UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES OF CLALLAM COUNTY, WASHINGTON: PHASE 1 REPORT

By B. W. Drost

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 83-4227

Prepared in cooperation with the

CLALLAM COUNTY BOARD OF COMMISSIONERS and
STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

Tacoma, Washington
1986

UNITED STATES DEPARTMENT OF THE INTERIOR
WILLIAM P. CLARK, Secretary

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Cover photograph by Clallam County Planning Department

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ILLUSTRATIONS

(Plates 1-5 in pocket)

TABLES

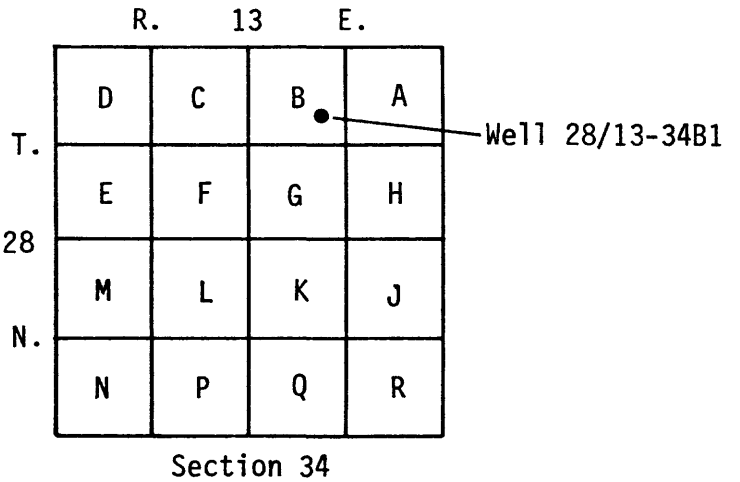
METRIC CONVERSION FACTORS

Multiply	By	To obtain
feet (ft)	0.3048	meters (m)
inches (in.)	2.540	centimeters (cm)
miles (mi)	1.609	kilometers (km)
square miles (mi^2)	2.59	square kilometers (km^2)
cubic feet per second (ft^3/s)	28.32	liters per second (L/s)
	0.02832	cubic meters per second (m^3/s)
gallons per minute (gal/min)	0.06309	liter per second (L/s)
degrees Fahrenheit (^oF)	0.5556, after subtracting 32	degrees Celsius (^oC)

National Geodetic Vertical Datum of 1929 (NGVD of 1929): A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "mean sea level." NGVD of 1929 is referred to as sea level in this report.

WELL- AND AREA-LOCATION NUMBERING SYSTEM

The well and area-location numbers used in this report give the location of wells and areas according to the official rectangular public-land survey. For example, in well number 28/13-34B1, the part preceding the hyphen indicates successively the township and range (T. 28 N., R. 13 W.) north and west of the Willamette base line and meridian, respectively. The number following the hyphen indicates the section (sec. 34), and the letter (B) indicates the 40-acre subdivision of the section as shown in the sketch below. Last is a sequence number used to distinguish wells in the same 40-acre tract. Thus, well 28/13-34B1 is in the NW of the NE of sec. 34, T.28 N., R.13 W. An "s" following the sequence number indicates that the site is a spring.



In computer-printout tables the same well is given the number 28N/13W-34B1. On plates, which show numbered section, only the 40-acre subdivision and sequence number are shown. Thus, well 28/13-34B1 is shown as B1.

WATER RESOURCES OF CLALLAM COUNTY, WASHINGTON: PHASE I REPORT

By B. W. Drost

ABSTRACT

This report concludes the first of two phases of investigation of the water resources of Clallam County. The study area includes all of the county, with emphasis on the more densely populated areas. The purpose of the first phase of study was to inventory the water resources of the county and identify any related problems.

Sufficient water is available to supply all present demands. Water supplies suitable for domestic use can be obtained in most of the populated parts of the county from wells drilled 100 feet or less into glacial and alluvial deposits. In populated areas underlain by bedrock, wells more than 100 feet deep are generally capable of supplying one home per well. The potential for obtaining domestic water supplies from wells in the unpopulated mountainous interior of the county is not known.

Surface water is abundant in the county and is the source of supply for most of the public water systems. The only streams that are sometimes dry or nearly so are in small drainage basins in bedrock in the mountainous interior and along parts of the southern coastline of the Strait of Juan de Fuca.

Annual water use (1978) is about 39 billion gallons. About 18 billion gallons is used for industrial purposes, 18 billion gallons for irrigation, and 3 billion gallons is used for domestic purposes. Most of the water is obtained from surface-water sources (38 billion gallons). The remaining 1 billion gallons is ground water and is obtained from about 4,000 wells.

Ground and surface waters are generally of excellent quality. The only serious ground-water-quality problem occurs in coastal areas where wells may yield water with large concentrations of chloride and dissolved-solids. Excessive concentrations of iron and (or) manganese were measured in about 24 percent of the wells tested. Minor taste, color, or odor problems were reported by about 34 percent of the well owners surveyed.

High values of turbidity, color, and coliform bacteria are widespread surface-water problems. However, standard filtering and chlorination treatment makes the water suitable for public supplies. The large concentrations of coliform bacteria apparently originate naturally in soils, and are generally associated with relatively low fecal-coliform concentrations. High ammonia concentration was observed at one site on the Bogachiel River near Forks, and is probably caused by sewage-disposal practices in the area.

Several monitoring activities would provide a continuing data base and alert system for managing the ground water resources. To detect saltwater encroachment in aquifers, chloride concentrations could be monitored in wells along several coastal areas. Water levels in wells tapping bedrock aquifers could be measured periodically to determine effects of increased aquifer development. Ammonia, nitrate, and fecal coliform bacteria concentrations could be monitored in ground and surface waters in the Forks area to observe any increases due to sewage disposal practices.

INTRODUCTION

Purpose and Scope

Some of the oldest developed areas in western Washington are in Clallam County. In recent years, the county has experienced rapid growth in population and changes in the patterns of land use. Much of the land, especially in the northeastern part of the county, was previously used for irrigated agriculture, but in recent years the trend has been toward subdivision for residential uses. The changes in land use have caused changes in the patterns of water use, placing new stresses on the ground- and surface-water systems.

To evaluate the changes in water use, which will be considered in formulating a plan for recommended land-use practices for the future, the Clallam County Planning Commission and the State of Washington Department of Ecology requested that the U.S. Geological Survey conduct a study of the County's water resources. A two-phase study was agreed upon, and work began in late 1978.

The objectives of the study are to: (1) inventory the existing surface- and ground-water supplies of the county, and assess their quantity and quality; (2) determine the effects of irrigation on ground-water recharge in a northeastern part of the county (Sequim area); and (3) identify present and potential sources of contamination of the county's water resources and to determine if these present or potential contaminants will affect the quality or availability of water.

The study was undertaken in two phases. Phase I goals were to: (1) inventory and tabulate the existing water-resources data; (2) evaluate current water-resources conditions; (3) identify areas where water-quality problems and (or) water shortages exist; and (4) establish a network of monitoring sites in problem areas. This report completes Phase I of the study and provides a framework for completion of the more interpretive Phase II goals.

Phase II goals are (1) evaluation of data collected in the problem areas; (2) determination of the effects of changing land-use patterns in the problem areas (particularly the change in use from irrigated agriculture to domestic); and (3) preparation of water budgets for the problem areas; the budget will be used to test with a simple computerized numerical model various management alternatives.

From the start of the project, the Sequim area was treated as a "problem area" because irrigation and development is heaviest in that area. Therefore, in the Sequim area a greater concentration of monitoring sites was established during Phase I of the study. The Phase II report will present a thorough tabulation discussion of all data collected in the Sequim area. Included in this report are all of the available basic data for the county, except for the Sequim area where only selected representative data are included.

Description of the Area

Clallam County is the northernmost part of the Olympic Peninsula in western Washington (fig. 1). The county is bounded on the west by the Pacific Ocean, on the north by the Strait of Juan de Fuca, and on the east and south by Jefferson County.

The total area of the county is about 1,750 mi^2. Most of the county has rugged mountains with elevations reaching nearly 7,000 ft. The mountains are composed mainly of sandstone, conglomerate, siltstone, slate, and phyllite, and some basalt and mudflow breccias (Tabor and Cady, 1978). The coast east of Port Angeles is relatively flat and is composed of glacial and alluvial deposits. A large area in the western part of the county, from Forks to the Pacific Ocean and from the Jefferson County line to areas north of Ozette Lake, is also made up predominantly of glacial and alluvial deposits, but it has a more rugged topography than the coastal area east of Port Angeles.

The primary study areas are the most densely populated portions of the county, and include the coastal strip 2 to 6 mi wide along the Strait of Juan de Fuca between the east county line and the Lyre River (pls. 1-3), the Soleduck-Calawah River basins from LaPush to Sappho (pl. 4), and a small coastal area including Sekiu and Clallam Bay (pl. 5). The total area is about 200 mi^2.

The county has a maritime climate characterized by cool, dry summers and mild, wet winters. About 75 percent of the annual precipitation falls during the period October-March. The Olympic Mountains cause a wide range in rainfall. Forks, on the western, windward side of the mountains, has an average annual precipitation of 116 in. At Sequim, on the northeast side of the mountains about 60 mi from Forks, the annual precipitation is 16 in. Average annual temperature in the county is about 50°F; the average temperature in July, the warmest month, is 63°F and the average temperature in December, the coldest month, is 36°F.

The population of the county was about 44,200 in 1978 (State of Washington, 1978). In recent years the county has experienced an increase in its population growth rate. From 1940 through 1970, the average annual increase in population was 1.8 percent. From 1970 through 1978, the annual rate increased to 3.4 percent.

The county is largely undeveloped (ENCON, 1974), and is 80 to 85 percent forest-covered. About 50 percent of the county is National Park and or National Forest land. Between 5 and 10 percent of the county is agricultural land, about 5 percent is residential, and between 1 and 5 percent is used for other purposes, including industrial, commercial, and recreational.

Acknowledgments

This study was made in cooperation with the Clallam County Board of Commissioners and the State of Washington Department of Ecology. Unpublished data were obtained from the State of Washington Department of Social and Health Services. Many individual residents of the county aided the investigation by supplying information and granting access to their wells for water-quality sampling.

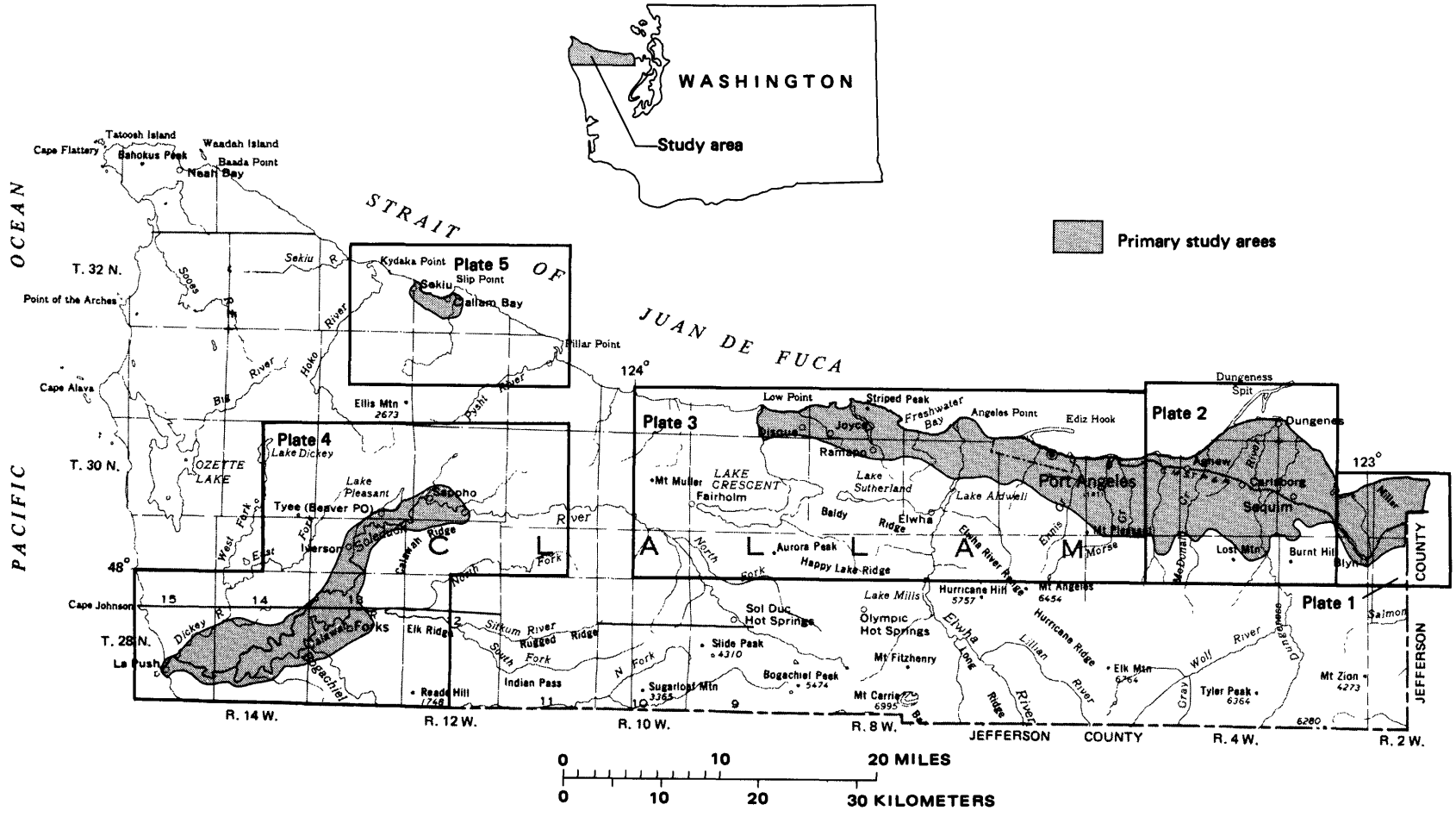


FIGURE 1.--Clallam County, primary study areas and locations of plates 1-5.

GROUND WATER

Ground-water data sources were: (1) U.S. Geological Survey well records, which include data on all wells and springs visited during previous USGS studies in the area; (2) Washington State Department of Ecology Water Well Reports; (3) field visits during the summer of 1979 to about 440 wells in the primary study areas; and (4) records of oil and gas exploration wells drilled during 1900-1978 (McFarland, 1979).

Records on about 2,100 wells and springs are available (table 6, p.24). Well and spring locations are shown on plates 1-5.

Most of the well data in table 6 are as reported by the drillers who completed the wells. Well ownerships are listed as reported by drillers or as determined from field visits. Local numbers were assigned by the U.S. Geological Survey. Wells that are listed as having unchecked locations were assigned local well numbers on the basis of locations reported by drillers. Approximately 40 percent of the recorded wells have been field-checked. Altitudes were determined from topographic maps by U.S. Geological Survey personnel. In most cases, they are probably accurate to $\pm$30 ft.

Wells reported as "dry" may actually yield some water. The term "dry" as used by some drillers refers to a well with insufficient yield to supply a household.

Specific-capacity values (the rate of discharge of water from a well divided by the drawdown of water level within the well) are determined mainly from short-term (less than 4 hours) bailer tests, where discharge rates and water-level measurements were not precisely determined.

A summary of selected ground-water data in the primary study areas is shown in table 1. An increase in drilling activity in recent years may be inferred from the available data. About 80 percent of the well records on file are for wells drilled in 1970 or after.

Sufficient water for most uses is obtained at relatively shallow depths in most parts of the primary study areas. Most wells are less than 100 ft deep, except on the Miller Peninsula where the median well depth is 148 ft. Approximately 250 well owners were asked about the supply capacities of their wells during field visits in 1979. About 9 percent of the wells were reported as dry or yielding insufficient supplies at least once during their period of use.

Water levels are generally less than 50 ft below land surface, but may exceed 300 ft in places. A few flowing wells are found primarily along the shorelines of the Port Angeles area, the Sequim-Dungeness Peninsula, and the Miller Peninsula.

Most wells completed in unconsolidated materials have 6-in. diameter open-ended casings. Those completed in bedrock are uncased. Screens have been installed in some wells in unconsolidated deposits, particularly in wells on the Miller Peninsula and in the Sequim area. Generally the screens are 5 ft in length.

Specific-capacity values vary widely. Generally, the alluvial materials of the Soleduck-Calawah area have the greatest values. The Port Angeles area has the lowest median value, primarily due to the low specific capacities observed in the large number of wells drilled into the bedrock along the southern margin of the area.

TABLE 1.--Summary of selected ground-water data in Clallam County

Primary study areas (see pls.1-5 for full descriptions)	Miller Peninsula	Sequim-Dungeness Peninsula	Port Angeles	Soleduck-Calawah	Clallam Bay Sekiu
Number of well records on file	84	983	219	57	5
Date well completed (percentage of wells)[1]					
First quarter of 1980	4	1	0	7	0
1975-79	58	71	59	64	80
1970-74	17	20	7	9	0
pre-1970	21	8	34	20	20
Oldest on file	1914	1918	1892	1928	1958
Water use (percentage of wells)					
Domestic	82	86	90	59	40
Public	7	4	2	14	0
Stock	1	3	1	0	0
Irrigation	0	4	2	0	0
Commercial-industrial	0	0	1	0	0
Aquiculture	0	0	1	0	0
Unused	10	3	3	27	60
Maximum depth drilled (ft)[2]	1,015	970	500	196	72
Well depth (ft)					
Maximum	492	842	500	196	51
Minimum	10	4	6	25	22
Median	140	78	87	81	33
Water level (ft)					
Maximum	312	275	222	106	8
Minimum	Flowing	Flowing	Flowing	8	7
Median	55	26	20	48	8
Number of flowing wells	2	18	7	0	0
Number of "dry" holes[3]	0	22	10	8	1
Well finish (percentage of wells)					
Open end or open hole	41	50	65	47	50
Screen or sand point	45	40	18	21	0
Perforations	14	10	15	32	50
Horizontal gallery	0	0	1	0	0
Walled	0	0	1	0	0
Specific capacity (gal/min)/ft					
Maximum	61	460	396	169	12
Minimum[4]	.0	.0	.0	.0	.0
Median	1.1	2.0	.5	4.8	2.0

[1] Mandatory filing of well records by drillers was not required by Washington State Department of Ecology prior to 1971. Therefore, the percentage of wells completed prior to 1970 is probably greater than indicated by the existing records.

[2] These figures do not include oil test wells.

[3] Wells reported as "dry" by drillers.

[4] 0.0, less than 0.05

SURFACE WATER

Surface-water data sources were: (1) U.S. Geological Survey computer files (WATSTORE) of continuous gaging station and crest-stage station records; (2) a compilation of miscellaneous streamflow measurements made during 1890-January 1961 (State of Washington Department of Conservation, 1964); (3) miscellaneous streamflow measurements made during January 1961-September 1978 (U.S. Geological Survey, 1961-79); (4) reservoir-content records for Lake Mills (near Port Angeles) during April 1927-September 1978 (U.S. Geological Survey, 1955, 1964, and 1961-79); and (5) lake data from two earlier reports (Wolcott, 1973 and Bortleson and others, 1976). Discharge data are contained in tables 7-9 (p.78). Surface-water sites are shown on plates 1-4.

A summary of selected surface-water discharge data is presented in table 2. The data in the table must be used with caution, particularly when comparing sites. Mean values have been calculated on the basis of the available data for each site. Because of the cyclic nature of weather patterns, the value is influenced greatly by the period and the length of record at any particular site and the type of data collected at that site. Generally, the longer the period of record, the more representative are the values obtained. When comparing sites, it is best to compare sites with similar periods of record.

The 7-day low-flow values in table 2 are as determined by Haushild and LaFrance (1978). A 7-day low-flow value at the 50-percent probability level means that during any year the minimum of the mean flow for 7-day periods has a 50-percent probability (chance of 1 in 2) of being less than or equal to that value. This is sometimes referred to as the 7-day 2-year low flow. The 5-percent probability (chance of 1 in 20) is sometimes referred to as the 7-day 20-year low flow.

The floodflow values in table 2 were determined by Cummans and others (1975) or were calculated from a regression equation presented in that report. A floodflow value at the 50-percent probability level means that during any year the maximum flow has 50-percent probability of exceeding that value. This is sometimes referred to as the 2-year floodflow. The 1-percent probability (chance of 1 in 100) is sometimes referred to as the 100-year floodflow. Three studies have been completed that show the flood inundation areas for most of Clallam County (Federal Insurance Administration, 1979 and 1980).

TABLE 2.--Summary of selected surface-water discharge data in Clallam County

Site number[1]	Station name[2]	USGS station number	Site type[3]	Drainage area (mi²)	Period of record	Discharge (ft³/s) Mean[4] July	Aug.	Sept.	Annual	Maximum recorded	Minimum recorded	7-day low flow[5] Annual probability of nonexceedance 50 pct	5 pct	Floodflow[6] Annual probability of exceedance 50 pct	1 pct
1	Pacific Ocean tributary No. 5	--	M	--	1965	--	--	--	--	0.13	0.13	--	--	--	--
--	Soleduck R (29/9-32C)	--	M	22.7	1977	--	--	--	--	43.0	43.0	--	--	3,400	6,100
2	Soleduck R	--	M	--	1924	--	--	--	--	47.0	47.0	--	--	--	--
3	N.F. Soleduck R	--	M	30.9	1924	--	--	--	--	20.9	20.9	--	--	3,500	6,400
4	Soleduck R	12041500	G,C,M	83.8	1917-28, 1933-79	320	150	140	621	23,500	51	79	58	9,230	26,000
5	Soleduck R tributary	12041600	C	.42	1956-75	--	--	--	--	52.1	--	--	--	23	93
6	Soleduck R	12042000	G,M	116	1917, 1922-28	--	--	--	--	23,500	28	--	--	12,000	22,000
7	Snider Cr	--	M	.64	1962-66	1.5	1.0	.9	--	2.32	.65	.6	.5	140	240
8	Bear Cr	--	M	17.9	1962-66	18	9.3	25	--	59.4	5.88	6.2	4.3	2,400	4,300
10	Cold Cr	--	M	2.62	1962-66	3.7	1.8	5.1	--	12.7	1.22	1.2	.9	460	820
11	Beaver Cr	--	M	9.81	1962-66	13	6.4	17	--	35.2	3.59	4.1	2.8	1,400	2,600
12	Rainey Cr	--	M	2.12	1962-66	--	--	--	--	.22	0	0	0	380	690
13	Soleduck R	--	M	--	1976	--	--	--	--	929	175	--	--	--	--
14A	Pavel Springs Cr	--	M	--	1963-64	--	--	--	--	6.08	2.68	--	--	--	--
14B	---do.---	--	M	--	1963-64	7.7	5.9	7.6	--	42.1	5.29	5.2	4.4	--	--
16	Lake Cr	--	M	11.4	1962-66	--	--	--	--	15.6	0	≤.05	≤.05	2,000	3,600
17	Soleduck R	--	m	--	1971-72	440	310	520	--	1,650	401	250	210	--	--
18	---do.---	--	M	208	1900	--	--	--	--	550	550	--	--	22,000	39,000
23	---do.---	12042500	G,M	219	1897-1907, 1962, 1975-79	--	--	--	--	20,800	155	--	--	22,000	41,000
--	Bogachiel R (28/11-31Q)	--	M	--	1976	--	--	--	--	713	101	--	--	--	--
31	May Cr	12042700	C,M	2.03	1949-68	--	--	--	--	759	64.5	--	--	495	--
--	S.F. Calawah R (28/12-10C)	--	M	23.4	1976	--	--	--	--	151	24	--	--	3,700	6,700
--	Sitkum R (28/12-10D)	--	M	30.8	1976	--	--	--	--	202	24	--	--	4,700	8,500
32	Bogachiel R	12042800	G	111	1975-79	--	--	--	--	18,600	83	--	--	9,300	17,300
34	Grader Cr	12042900	C	1.67	1950-60	--	--	--	--	520	--	--	--	311	--
--	Sitkum River trib. (28/12-1N)	12042920	C	.42	1971-75	--	--	--	--	97	--	--	--	120	220
38	N.F. Calawah R	--	M	47.2	1976	--	--	--	--	206	31	--	--	6,400	11,000
42	Calawah R	12043000	G,M	129	1897-1901, 1962, 1976-79	--	--	--	1,044	22,600	15	--	--	17,000	31,000
63	E.F. Dickey R	--	M	--	1976	--	--	--	--	44	18	--	--	--	--
--	E.F. Dickey R (29/14-21B)	--	M	--	1976	--	--	--	--	51	51	--	--	--	--
64	E.F. Dickey R	12043080	G,M	39.8	1962-68, 1973	28	15	37	281	8,800	5.6	9.9	7.2	5,500	9,900
--	W.F. Dickey R (30/14-16Q)	--	M	14.7	1962	--	--	--	--	14.6	14.6	--	--	2,500	4,500
--	W.F. Dickey R (30/14-21K)	--	M	--	1976	--	--	--	--	31	5.5	--	-	--	--
65	W.F. Dickey R	--	M	44.4	1962-66	36	16	54	--	92.3	9.15	8.5	5.3	5,200	9,400
68	Dickey R	12043100	G,C,M	86.3	1962-79	73	35	140	529	17,300	8.9	18	10	8,430	18,000
71	Colby Cr	--	M	6.20	1962-66	3.7	1.7	5.3	--	7.56	1.16	1.1	.7	600	1,100
--	Crooked Cr (30/15-14K)	--	M	10.41	1976	--	--	--	--	354	2.5	--	--	1,200	2,100
--	Big R (31/14-29C)	--	M	8.77	1962-66, 1973	9.8	5.0	13	--	22.7	3.13	3.4	2.4	1,100	2,000
--	Trout Cr (30/15-2E)	--	M	3.59	1962-66	2.5	1.1	3.7	--	6.51	.35	.6	.4	470	840
--	Big R (30/15-3J)	--	M	20.64	1976	--	--	--	--	24.6	10.8	--	--	2,100	3,800
--	Dunham Cr(30/15-2M)	--	M	1.77	1976	--	--	--	--	1.6D	.50	--	--	260	460
--	Big R (30/15-3R)	--	M	22.52	1976	--	--	--	--	382	5.78	--	--	2,300	4,100
--	Umbrella Cr (30/15-3D)	--	M	11.4	1962-66, 1976	8.6	4.4	12	--	386	2.64	2.9	2.0	1,300	2,300

TABLE 2.--Summary of selected surface-water discharge data in Clallam County--continued

Site number[1]	Station name[2]	USGS station number	Site type[3]	Drainage area (mi^2)	Period of record	Discharge (ft^3/s) Mean[4] July	Aug.	Sept.	Annual	Maximum recorded	Minimum recorded	7-day low flow[5] Annual probability of nonexceedance 50 pct	5 pct	Floodflow[6] Annual probability of exceedance 50 pct	1 pct
--	Ozette R (31/15-30R)	--	M	--	1962-66, 1973	100	50	140	--	261	25.1	32	22	--	--
--	Coal Cr (31/15-29N)	--	M	5.82	1962-66	2.3	1.0	3.3	--	7.24	.45	.6	.4	670	1,200
--	Ozette R (31/15-31A)	12043150	G	77.5	1977-79	--	--	--	--	1,500	20	--	--	6,600	12,000
--	Thirty Cent Cr (32/15-22K)	--	M	.57	1962-66	.6	.3	.9	--	1.51	.14	.2	.1	120	220
--	Miller Cr (32/15-22G)	--	M	1.11	1962-66	.9	.4	1.3	--	2.78	.11	.3	.2	220	390
--	Sooes R (32/15-21A)	12043163	G,M	32.0	1971, 1976-79	--	--	--	--	3,270	9.9	--	--	3,900	7,100
--	Grimes Cr (32/15-15M)	--	M	1.38	1962-66	1.1	.5	1.6	--	3.05	.12	.3	.2	260	470
--	Grimes Cr (32/15-8A)	--	M	--	1971	--	--	--	--	140	27.3	--	--	--	--
--	Waatch R (33/15-15K)	12043173	G	9.96	1976-79	--	--	--	--	1,180	.12	--	--	1,600	2,800
--	Waatch Cr (33/15-20NW¼)	--	M	.55	1962-66	--	--	--	--	3.40	.21	.4	.3	95	170
--	Village Cr (33/15-10P)	--	M	.65	1976-78	--	--	--	--	21.2	.21	--	--	120	220
--	Village Cr (33/15-10SW¼)	--	M	.68	1962-66	--	--	--	--	1.97	.06	.1	.1	130	230
--	Sail R (33/14-18K)	12043190	M	5.42	1962-66, 1971, 1976-79	3.7	1.2	6.2	--	762	.41	.6	.3	790	1,400
--	Snow Cr (33/14-17SW¼)	--	M	1.45	1962-66	.7	.2	1.2	--	3.01	≤.05	.1	≤.05	250	460
--	Bullman Cr (33/14-20A)	--	M	3.69	1962-66	1.7	.5	3.0	--	7.91	.20	.3	.1	570	1,000
--	Rasmussan Cr (33/14-27H)	-	M	2.32	1962-66	1.0	.3	1.7	--	4.75	.13	.1	.1	410	740
--	Jansen Cr (33/14-26R)	--	M	2.02	1962-66	1.2	.4	2.8	--	4.37	.24	.2	.1	370	660
--	Olsen Cr (32/14-1A)	--	M	1.14	1962-66	.7	.3	1.7	--	2.30	.12	.1	≤.05	200	350
--	N.F. Sekiu R (32/14-15NE¼)	--	M	11.1	1962-66	12	5.8	17	--	33.4	3.29	3.7	2.5	1,900	3,400
--	S.F. Sekiu R (32/14-15NE¼)	--	M	8.86	1962-66	9.0	4.6	12	--	21.3	2.48	3.0	2.1	1,500	2,800
88	Carpenter Cr	--	M	2.90	1962-66	--	--	--	--	2.79	0	--	--	440	790
89	Sekiu R	--	M	31.6	1962-66	29	13	42	--	84.9	7.17	8.1	5.2	3,900	7,000
--	Hoko R trib. (31/14-23A)	--	M	.88	1962-66	.3	.1	.4	--	.44	.08	.1	.1	250	450
--	Hoko R trib. No. 2 (31/14-24D)	--	M	.94	1962-66	.6	.3	.9	--	1.58	.17	.2	.1	270	480
--	Hoko R trib. (31/13-7G)	12043270	C	.67	1971-75	--	--	--	--	149	--	--	--	200	360
90	Hoko R	12043300	G,C	51.2	1962-78	62	31	85	408	14,100	12	20	14	6,270	14,000
91	Little Hoko R	--	M	11.5	1962-66, 1971-73	8.0	3.5	12	--	122	2.04	2.2	1.4	1,500	2,600
92	Falls Cr	--	M	1.43	1962	--	--	--	--	.16	.10	--	--	220	390
93	Clallam R	12043350	G,M	137	1962-66	9.8	4.5	14	--	127	2.2	3.0	2.0	12,000	22,000
94	Charley Cr	--	M	5.23	1962-66	1.8	.7	2.8	--	7.48	.40	.4	.2	600	1,100
95	Clallam R	--	M	--	1901	--	--	--	--	100	6	--	--	--	--
96	Pysht R	--	M	10.2	1962-66	8.8	4.1	12	--	33.5	2.71	2.6	1.8	1,300	2,300
97	Green Cr	--	M	1.96	1962-66	.9	.3	1.3	--	4.29	.17	.2	.1	250	460
98	--do.--	--	M	5.28	1962-66	1.6	.6	2.6	--	8.67	.25	.3	.2	650	1,200
99	Pysht R	--	M	--	1901	--	--	--	--	114	4	--	--	--	--
100	--do.--	--	M	--	1901	--	--	--	--	19	19	--	--	--	--
101	--do.--	--	M	37.6	1962-66, 1971-73	17	6.8	26	--	560	3.31	3.9	2.4	3,900	6,900
--	Jim Cr (31/11-13SW¼)	--	M	3.70	1962-66	.2	.1	.2	--	2.56	.04	≤.05	≤.05	360	650
--	Joe Cr (31/11-24B)	--	M	1.51	1962-66	--	--	--	--	1.48	.05	≤.05	≤.05	170	300
--	Deep Cr (31/10-20D)	--	M	17.3	1962-66	8.3	4.6	8.0	--	20.3	3.33	3.5	2.5	900	1,700
102	West Twin R	--	M	12.8	1962-66	7.6	4.5	7.3	--	17.5	3.00	3.5	2.5	510	950
103	East Twin R	12043430	G,C,M	14.0	1962-78	8.0	4.8	7.8	64.7	1,220	2.3	3.8	2.8	859	1,200
104	Murdock Cr	--	M	2.26	1962-66	.1	≤.05	.1	--	1.37	.01	≤.05	≤.05	96	180
105	Fairholm Cr	--	M	3.81	1962-66	.5	.3	.2	--	1.10	.20	.2	.1	330	612
106	Cross Cr	12043450	C	.92	1949-56	--	--	--	--	208	--	--	--	97	180
107	Lapoel Cr	--	M	1.15	1962-66	3.2	1.4	1.0	--	6.42	.63	.6	4	120	220
108	Aurora Cr	--	M	.61	1962-66	--	--	--	--	0	0	--	--	66	120
109	Smith Cr	--	M	1.38	1962-63, 1965-66	--	--	--	--	7.64	0	--	--	130	250
110	Lake Crescent trib.	12043470	C	.79	1955-58	--	--	--	--	175	--	--	--	82	150

TABLE 2.--Summary of selected surface-water discharge data in Clallam County--continued

Site number[1]	Station name[2]	USGS station number	Site type[3]	Drainage area (mi²)	Period of record	Discharge (ft³/s) Mean[4] July	Aug.	Sept.	Annual	Maximum recorded	Minimum recorded	7-day low flow[5] Annual probability of nonexceedance 50 pct	5 pct	Floodflow[6] Annual probability of exceedance 50 pct	1 pct
111	Falls Cr	--	M	--	1964	--	--	--	--	.45	.45	--	--	--	--
112	Barnes Cr	--	M	15.7	1962-66, 1973	30	13	9.9	--	76.6	5.80	5.8	3.7	1,100	2,100
114	Lyre R	12044000	G	49.5	1917-27	110	64	56	218	1,180	18	35	20	747	--
115	--do.--	--	M	48.6	1962-66	--	--	--	--	186	41.3	--	--	--	--
116	--do.--	--	M	48.5	1917,1958	--	--	--	--	67.8	39.4	--	--	--	--
117	Susie Cr	--	M	3.56	1962-66	.7	.5	.4	--	2.79	.22	.3	.2	130	250
118	Field Cr	--	M	3.90	1962-66	.3	.1	.3	--	1.84	.08	.1	.1	140	270
119	Whiskey Cr	--	M	1.63	1962-66	.5	.3	.2	--	1.18	.13	.1	.1	55	100
120	Salt Cr	--	M	4.09	1952, 1962-66, 1973	.7	.6	.5	--	1.68	.28	.4	.3	140	260
121	Salt Cr trib.	--	M	1.88	1962-66	.4	.2	.2	--	1.03	.09	.1	.1	72	130
122	Salt Cr	--	M	7.07	1961	.9	.6	.6	--	5.90	.46	.5	.3	220	420
123	Salt Cr trib.	--	M	2.00	1952,1961	--	--	--	--	.13	.09	--	--	76	140
124	Salt Cr trib. No. 2	--	M	1.49	1952,1961	--	--	--	--	.48	.15	--	--	59	110
125	Salt Cr	--	M	15.9	1952, 1961-62	2.0	1.5	1.2	--	2.99	.52	.9	.6	410	770
126	Colville Cr	--	M	3.67	1952	--	--	--	--	0	0	--	--	100	190
--	Idaho Cr (29/7-36NE¼)	--	M	--	1965	--	--	--	--	.01	.01	--	--	--	--
128	Elwha R	--	M	245	1919	--	--	--	--	53.2	53.2	--	--	--	--
129	--do.--	12045500	G,M	269	1897-1902, 1912, 1918-79	1,500	790	580	1,481	41,600	10	380	200	12,600	44,100
130	Little River	--	M	23.0	1899-1901, 1952,1961	43	23	17	--	457	10.8	8.1	3.4	650	1,200
133	Indian Cr	--	M	8.33	1962-66, 1973	14	11	11	--	19.6	9.05	8.9	7.9	310	580
134	--do.--	--	M	20	1899	--	--	--	--	45	45	--	--	630	1,200
135	Elwha R	--	M	312	1898	--	--	--	--	586	586	--	--	--	--
137	--do.--	--	M	315	1911-12	--	--	--	--	2,340	445	--	--	--	--
138	Port Angeles Industrial Canal	--	M	--	1951-54	--	--	--	--	190	103	--	--	--	--
139	Elwha R	12046500	G,M	318	1951-54, 1958,1961, 1963-70	--	--	--	--	12,600	62	--	--	15,000	--
141	Unnamed tributary	--	M	--	1976-77	--	--	--	--	2.27	.61	--	--	--	--
144	Dry Cr	--	M	2.69	1952	--	--	--	--	0	0	--	--	59	110
145	Tumwater Cr	--	M	5.54	1949	--	--	--	--	490	490	--	--	--	--
146	--do.---	--	M	5.59	1952,1961	1.6	1.4	1.2	--	4.15	.85	1.0	.8	74	140
147	East Valley Cr	--	M	.40	1961	--	--	--	--	15.6	15.6	--	--	15	28
148	--do.---	--	M	--	1961	--	--	--	--	61	61	--	--	--	--
149	--do.---	12046800	C	.69	1950-63	--	--	--	--	52	--	--	--	22	44
150	Valley Cr	--	M	4.20	1952,1961	--	--	--	--	.34	.23	--	--	61	110
151	Peabody Cr	--	M	2.55	1949,1952	--	--	--	--	279	9.93	--	--	30	56
152	Ennis Cr	--	M	--	1965	--	--	--	--	2.44	2.44	--	--	--	--
153	--do.--	--	M	7.92	1952,1961	8.0	4.8	3.8	--	18.0	2.39	2.9	2.3	100	190
154	White Cr	--	M	2.22	1952,1961	--	--	--	--	.11	.05	--	--	30	56
155	Ennis Cr	--	M	10.5	1950	--	--	--	--	1,980	1,980	--	--	120	220
156	Lees Cr	12047100	C,M	4.77	1949-70	--	--	--	--	338	.24	--	--	92	--
158	Morse Cr	12047300	G,C	46.6	1966-78	82	36	26	134	3,160	5.0	16	10	1,500	2,900
159	--do.--	--	M	--	1899-1901, 1961	--	--	--	--	242	19.5	--	--	--	--
160	--do.--	--	M	56.4	1952	--	--	--	--	104	6.34	--	--	1,700	3,200
161	Bagley Cr	--	M	5.32	1947,1949, 1952,1961	--	--	--	--	436	.61	--	--	--	--
162	Siebert Cr	12047500	G	15.5	1960-69	4.0	3.4	3.0	14.4	--	--	2.6	2.0	470	1,200
163	--do.--	12047500	G,M	16.1	1949, 1952-60	4.0	3.4	3.0	18.9	1,620	2.0	2.6	2.0	480	1,300
164	Agnew Irrigation Ditch	--	M	--	1922,1945	--	--	--	--	9.05	6.82	--	--	--	--
165	Siebert Cr	12047550	M	19.4	1978-79	--	--	--	--	32.4	1.96	--	--	490	1,300
166	McDonald Cr	--	M	13.0	1978-79	--	--	--	--	27.0	1.88	--	--	460	1,200
167	Agnew Irrigation Ditch	--	M	--	1978-79	--	--	--	--	5.25	0	--	--	--	--

TABLE 2.--Summary of selected surface-water discharge data in Clallam County--continued

Site number[1]	Station name[2]	USGS station number	Site type[3]	Drainage area (mi²)	Period of record	Discharge (ft³/s) Mean[4] July	Aug.	Sept.	Annual	Maximum recorded	Minimum recorded	7-day low flow[5] Annual probability of nonexceedance 50 pct	5 pct	Floodflow[6] Annual probability of exceedance 50 pct	1 pct
168	McDonald Cr	--	M	21.3	1952,1961	--	--	--	--	24.7	4.97	6.6	5.3	500	1,300
169	Diversion from McDonald Cr	--	M	--	1952	--	--	--	--	5.83	5.43	--	--	--	--
170	McDonald Cr	--	M	21.3	1947,1952	--	--	--	--	1.10	.62	--	--	500	1,300
171	--do.--	12047650	M	22.9	1978-79	--	--	--	--	27.6	1.79	--	--	500	1,300
172	Unnamed trib. to New Dungeness Harbor	--	M	.17	1978-79	--	--	--	--	3.73	.05	--	--	--	--
--	Gold Creek (28/3-15E¼)	12047700	C,M	2.28	1965-75	--	--	--	--	173	3.76	--	--	--	--
173	Dungeness R	12048000	G,M	156	1922-30, 1937-79	360	200	140	390	6,820	65	120	80	2,700	8,780
174	Canyon Cr	12048050	M	11.9	1952,1961, 1978-79	--	--	--	--	25.7	1.49	2.0	1.4	320	850
175	Dungeness R	--	G,M	170	1897-98, 1922-23	--	--	--	--	7,540	65	--	--	4,200	11,000
176	Bear Cr	--	M	1.09	1978	--	--	--	--	.08	.03	--	--	14	36
177	--do.--	--	M	1.09	1978	--	--	--	--	.62	.28	--	--	14	36
178	Unnamed trib. to Bear Cr	--	M	1.14	1978	--	--	--	--	trace	trace	--	--	15	37
179	Diversion from Agnew Irrigation Ditch to unnamed tributary to Bear Cr	--	M	--	1978	--	--	--	--	.54	.09	--	--	--	--
180	Bear Cr	--	M	3.75	1978	--	--	--	--	.66	.21	--	--	37	91
181	Dungeness R	12048600	M	178	1971-72, 1978-79	--	--	--	--	717	52.1	--	--	4,200	11,400
182	---do.---	12048700	M	180	1952, 1978-79	--	--	--	--	440	48.8	--	--	4,200	11,400
183	Hurd Cr	--	M	.88	1951-52	--	--	--	--	6.6	2.1	--	--	--	--
184	--do.--	12048750	M	.95	1978-79	--	--	--	--	8.45	5.18	--	--	--	--
185	Matriotti Cr	--	M	1.96	1978	--	--	--	--	0	0	--	--	24	60
186	---do.---	--	M	1.96	1978	--	--	--	--	.95	trace	--	--	24	60
187	---do.---	--	M	2.38	1961	--	--	--	--	.05	.05	--	--	27	66
188	---do.---	--	M	5.31	1947	--	--	--	--	7.69	7.69	--	--	40	110
189	---do.---	12048800	M	13.6	1952,1961 1978-79	--	--	--	--	22.7	7.11	--	--	87	140
190	Dungeness R	12049000	G,M	197	1898-1902	--	--	--	--	7,540	65	--	--	4,200	11,500
191	Meadowbrook Cr	12049020	M	.53	1947,1952, 1961, 1978-79	--	--	--	--	7.18	3.99	--	--	--	--
199	Cassalery Cr	--	M	3.19	1952,1961	--	--	--	--	16.5	7.62	--	--	--	--
200	---do.---	12049040	M	3.39	1978-79	--	--	--	--	6.18	3.71	--	--	--	--
201	Gierin Cr	--	M	3.13	1952,1961	--	--	--	--	13.4	8.30	--	--	--	--
202	Unnamed trib. to Gierin Cr	--	M	.19	1952	--	--	--	--	.76	.76	--	--	--	--
203	Gierin Cr	12049080	M	3.49	1978-79	--	--	--	--	6.14	2.45	--	--	9	20
204	Highland Irrigation Ditch	--	M	--	1922	--	--	--	--	6.8	6.8	--	--	--	--
205	Bell Cr	12049200	M	8.86	1942,1952, 1961, 1978-79	--	--	--	--	9.24	3.08	--	--	23	56
206	Johnson Cr	--	M	4.72	1952,1961	--	--	--	--	6.89	.24	--	--	20	51
207	Unnamed trib. to Johnson Cr	--	M	.72	1952	--	--	--	--	0	0	--	--	4	9
208	Sequim Bay trib.	--	M	.42	1952	--	--	--	--	1.12	1.12	--	--	--	--
209	Sequim Bay trib. No.2	--	M	1.33	1952	--	--	--	--	0	0	--	--	--	--
210	Sequim Bay trib.	--	M	--	1961	--	--	--	--	0	0	--	--	--	--
211	Dean Cr	12049400	C,M	2.96	1949-70	--	--	--	--	108	0	--	--	27	97
212	Sequim Bay trib. No.3	--	M	.85	1952	--	--	--	--	0	0	--	--	--	--
--	East Fork Jimmycomelately Cr (29/3-24SW¼)	--	M	3.47	1952	--	--	--	--	.71	.62	--	--	65	120
213	Jimmycomelately Cr	--	M	14.6	1961	2.2	1.7	1.6	--	12.5	1.08	1.3	1.0	240	450
--	Salmon Cr (29/2-320)	--	M	4.69	1952	--	--	--	--	.31	.30	--	--	84	160

[1]Numbered sites are shown on plates 1-5.
[2]Abbreviated names are used in this table. Full names can be found in tables 7-9.
[3]C, crest-stage gage; G, gaging station; M, miscellaneous measurement site.
[4]Mean monthly flows are from Haushild and LaFrance, 1978.
[5]Low flows are from Haushild and LaFrance, 1978.
[6]Flood flows are from Cummans and others, 1975, or as calculated from regression analyses presented in the same report.

WATER QUALITY

Water-quality-data sources were: (1) U.S. Geological Survey computer files (WATSTORE); (2) State of Washington Department of Social and Health Services water-quality files as of March 1980; (3) a compilation of ground-water-quality records through 1961 (Van Denburgh and Santos, 1965); (4) USGS well records as of November 1981; (5) USGS reports on seawater intrusion along the coastal areas (Walters, 1971, and Dion and Sumioka 1981); (6) USGS reports on Indian Reservations in the county (USGS, 1961, Walters and others 1979 and 1980, and Fretwell, written commun., 1980); (7) USGS reports on studies in Olympic National Park (Walters, 1967 and 1970; Dion, 1979; Bortleson and Dion, 1979); (8) reports prepared by consultants (ENCON, 1974 and CH_2M, 1967); and (9) oral information from well owners and users during field visits. Tables 12-15 (p.168) contain ground- and surface-water-quality data for the county.

Ground and surface water within the county are generally of good quality. The available data were compared to the standards established by the U.S. Environmental Protection Agency (1975 and 1977) for safe drinking water. Tables 3 and 4 show the results of the comparisons.

The maximum contaminant levels (MCL's) listed are of primary importance because they refer to concentrations of constituents which, if exceeded, may affect the health of consumers. The proposed secondary recommended limits do not refer to health hazards but to concentrations that may affect the esthetic quality of the water.

In ground water, only turbidity and mercury levels have been observed to exceed their respective MCL's. Water with high turbidity values is hazardous primarily because it may affect chlorination processes. Most wells in the study area do not require chlorination, therefore turbidity is rarely a serious problem. A high mercury value was observed in one of two samples collected from the same water system on the same day. The second sample had no detectable mercury. This high mercury value may represent a pollution source within the distribution system or, more likely, an error in analysis; it is not considered to be a true concentration in the ground water.

Chloride, dissolved solids, and pH, have exceeded their respective recommended limits in some ground-water samples. These samples generally come from wells in shoreline areas that penetrate the freshwater-saltwater zone of diffusion. Therefore, these high values generally do not indicate the presence of any pollutant, only naturally occurring salty water. Some of the pH values that exceeded the recommended limit were measured in waters obtained from several hot springs in the county and do not represent widespread conditions.

Excessive concentrations of iron and (or) manganese in ground water are a common problem. About 24 percent of the wells tested had concentrations of either or both constituents that exceeded the recommended limits. Excessive concentrations of either of these constituents often create a bad taste, stain plumbing fixtures and laundry, and clog pumps and pipes. The high levels of color and turbidity observed are generally associated with samples containing excessive concentrations of iron and (or) manganese.

During field visits in 1979, about 250 well owners were asked about the quality of water from their wells. Problems were reported in 34 percent of the wells: 17 percent had staining or color problems, 16 percent had water with unpleasant taste, and 11 percent had bad odors. Some wells were reported as having two, or all three of the problems mentioned.

In surface water, only turbidity and coliform bacteria have been observed to exceed their respective MCL's. In samples where fecal-coliform data are also available, the fecal coliform concentrations are generally a small fraction of the total coliform. This suggests that most of the coliform present are not associated with a fecal source, but probably originated naturally in soils.

The only constituents or properties in surface water that exceed the recommended limits are iron, manganese, pH, and color. However, none of these constituents is known to produce any serious problem in the county.

TABLE 3.--Summary of selected ground-water-quality data in Clallam County

Constituent[1]	Number of sites tested	Number of samples tested	Chemical standards: Maximum contaminant level[2] (EPA, 1975)	Chemical standards: Proposed secondary level[3] (EPA, 1977)	Number of sites exceeding chemical standard	Number of samples exceeding chemical standard	Maximum value observed
Iron	98	145	--	0.3 mg/L	24	29	17 mg/L
Manganese	62	103	--	0.05 mg/L	14	21	0.55 mg/L
Sulfate	72	104	--	250 mg/L	0	0	81 mg/L
Chloride	147	230	--	250 mg/L	10	16	3,300 mg/L
Fluoride[4]	70	106	2.0 mg/L	--	0	0	1.6 mg/L
Nitrate	85	125	10 mg/L	--	0	0	3.9 mg/L
Dissolved solids[5]	57	89	--	500 mg/L	16	23	1,570 mg/L
pH	75	116	--	<6.5 or >8.5	15	22	6.0 to 9.6
Color	68	107	--	15 platinum-cobalt units	5	5	90 units
Turbidity[6]	51	83	1 to 5 JTU	--	12	15	45 JTU
Arsenic	18	24	0.05 mg/L	--	0	0	0.01 mg/L
Barium	18	24	1 mg/L	--	0	0	<1 mg/L
Cadmium	18	24	0.010 mg/L	--	0	0	<0.005 mg/L
Chromium	22	28	0.05 mg/L	--	0	0	<0.05 mg/L
Copper	7	7	--	1 mg/L	0	0	<0.4 mg/L
Lead	24	27	0.05 mg/L	--	0[7]	0[7]	<0.1 mg/L
Mercury	18	22	0.002 mg/L	--	1[8]	1[8]	<0.005 mg/L
Selenium	21	24	0.01 mg/L	--	0	0	<0.01 mg/L
Silver	21	24	0.05 mg/L	--	0	0	<0.04 mg/L
Zinc	6	6	--	5 mg/L	0	0	<0.5 mg/L
Endrin[9]	3	3	0.0002 mg/L	--	0	0	<0.00005 mg/L
Lindane[9]	3	3	0.004 mg/L	--	0	0	<0.00005 mg/L
Methoxychlor[9]	3	3	0.1 mg/L	--	0	0	<0.05 mg/L
Toxaphene[9]	3	3	0.005 mg/L	--	0	0	<0.005 mg/L
2,4-D[9]	3	3	0.1 mg/L	--	0	0	<0.001 mg/L
2,4,5-TP silvex[9]	3	3	0.01 mg/L	--	0	0	<0.0001 mg/L

1 The method of reporting each constituent is according to standard U.S. Geological Survey practice and is shown in the headings of table 12. Endrin, lindane, metoxychlor, toxaphene, 2,4-D, and 2,4,5-TP silvex are not included in table 12. These constituents are reported as concentration in "whole sample."

2 National Interm Primary Drinking Water Regulations (U.S. Environmental Protection Agency, 1975). Primary regulations are those which deal with constituents that may affect the health of consumers.

3 National Proposed Secondary Water Regulations (U.S. Environmental Protection Agency, 1977). Secondary regulations are those which deal with the esthetic qualities of drinking water. These are guidelines only.

4 The maximum contaminant level (MCL) for fluoride is dependent upon the annual average of the maximum daily air temperatures for the location in which the water-supply system is situated; from 1.4 mg/L (26.3 to 32.5°C) to 2.4 mg/L (≤12.0°C). A figure of 2.0 mg/L was selected for use in this table.

5 Sixteen samples from 12 sites had specific conductances greater than 1,000 micromhos, but were not tested for dissolved solids. All of these samples probably had concentrations exceeding 500 mg/L.

6 Although the MCL for turbidity applies only to surface water, the relatively high turbidities in some ground water in the area warrant inclusion of turbidity in this summary. The MCL is 1 JTU, but a maximum of 5 JTU's may be allowed. A total of 13 samples had turbidities from 1 to 5 JTU's. Only those samples which exceeded 5 JTU's are included in this summary as exceeding the MCL.

7 Two samples were tested only to an accuracy of 0.1 mg/L. It is therefore uncertain if these samples exceeded the MCL or not.

8 One sample was tested only to an accuracy of 0.005 mg/L. It is therefore uncertain if this sample exceeded the MCL or not.

9 Wells 30/9-30D1 (6/22/78) and 29/9-32D1 and F1 (6/26/768) were the only wells sampled.

TABLE 4.--Summary of selected surface-water-quality data in Clallam County

Constituent[1]	Number of sites tested	Number of samples tested	Chemical standards: Maximum contaminant level[2] (EPA, 1975)	Chemical standards: Proposed secondary level[3] (EPA, 1977)	Number of sites exceeding chemical standard	Number of samples exceeding chemical standard	Maximum value observed[4]
Iron	11	104	--	0.3 mg/L	4	15	2.2 mg/L
Manganese	9	50	--	0.05 mg/L	2	3	0.21 mg/L
Sulfate	28	246	--	250 mg/L	0	0	56 mg/L
Chloride	28	269	--	250 mg/L	0	0	97 mg/L
Fluoride[5]	17	201	2.0 mg/L	--	0	0	0.6 mg/L
Nitrate	103	495	10 mg/L	--	0	0	2.2 mg/L
Dissolved solids	9	157	--	500 mg/L	0	0	170 mg/L
pH	26	353	--	<6.5 or >8.5	8	10	6.1 to 8.4
Color	79	304	--	15 platinum-cobalt units	31	86	280 units
Turbidity[6]	93	674	1 to 5 JTU	--	16	79	90 JTU
Coliform bacteria[7]	93	598	1 to 4 col/100 mL	--	91	524	5,400 col/100 mL
Arsenic	7	65	0.05 mg/L	--	0	0	0.01 mg/L
Barium	4	14	1 mg/L	--	0	0	<0.25 mg/L
Cadmium	4	26	0.010 mg/L	--	0	0	<0.003 mg/L
Chromium	14	77	0.05 mg/L	--	0	0	0.04 mg/L
Copper	12	78	--	1 mg/L	0	0	0.09 mg/L
Lead	10	27	0.05 mg/L	--	0	0	0.011 mg/L
Mercury	7	29	0.002 mg/L	--	0	0	<0.001 mg/L
Selenium	4	26	0.01 mg/L	--	0	0	<0.003 mg/L
Silver	4	14	0.05 mg/L	--	0	0	<0.01 mg/L
Zinc	12	68	--	5 mg/L	0	0	0.05 mg/L
Endrin	1	16	0.0002 mg/L	--	0	0	ND
Lindane	1	16	0.004 mg/L	--	0	0	ND
Methoxychlor	1	16	0.1 mg/L	--	0	0	ND
Toxaphene	1	16	0.005 mg/L	--	0	0	ND
2,4-D	1	11	0.1 mg/L	--	0	0	ND
2,4,5-TP silvex	1	11	0.01 mg/L	--	0	0	ND

[1]The method of reporting each constituent is according to standard U.S. Geological Survey practice and is shown in the headings of table __.

[2]National Interm Primary Drinking Water Regulations (U.S. Environmental Protection Agency, 1975). Primary regulations are those which deal with constituents that may affect the health of consumers.

[3]National Proposed Secondary Water Regulations (U.S. Environmental Protection Agency, 1977). Secondary regulations are those which deal with the esthetic qualities of drinking water. These are guidelines only.

[4]ND = none detected.

[5]The maximum contaminant level (MCL) for fluoride is dependent upon the annual average of the maximum daily air temperatures for the location in which the water-supply system is situated; from 1.4 mg/L (26.3 to 32.5°C) to 2.4 mg/L (≤12.0°C). A figure of 2.0 mg/L was selected for use in this table.

[6]The MCL for turbidity is 1 JTU, but a maximum of 5 JTU's may be allowed. A total of 71 samples had turbidities from 2 to 5 JTU's. Only those samples which exceeded 5 JTU's are included in this summary as exceeding the MCL.

[7]The MCL for coliform bacteria ranges from 1 to 4 col/100 mL depending on the number and type of tests performed. A total of 11 samples had coliform counts from 1 to 4 col/100 mL. Only those samples which exceeded 4 col/100 mL are included in this summary as exceeding the MCL.

WATER USE

Water-use data sources were: (1) U.S. Geological Survey records collected for an earlier report (Dion and Lum, 1977); and (2) data collected from managers of water systems during field visits in 1979.

Water use in the county is dominated by industrial users in the Port Angeles area and irrigators in the Sequim area. Total estimated use in 1978 was about 39 billion gallons per year. About 18 billion was used by industries, 18 billion was used for irrigation, and 3 billion was used for domestic purposes (drinking and cleaning water and watering of lawns and gardens). Other uses, including recreation, commercial, and stock use, are relatively insignificant. Most of the water used, 38 billion gallons, was obtained from surface-water sources (about one-half was from collector wells along major rivers). Table 5 shows the distribution of water use in the county in 1978.

The water-use data in table 5 show greater usage in the winter of 1978 than may be typical in most years. The monthly figures were strongly influenced by industrial water use in the Port Angeles Water System and may not be representative of long-term conditions. Total domestic use displays a more reasonable pattern of seasonal use, with average monthly use of 200 million gallons during the period October-March and 310 million gallons during the period April-September.

The available well records (about 2,100 wells) indicate that about 87 percent of the wells in the county are used as domestic supplies (serving less than five homes per well), about 6 percent are unused (this includes wells that have been destroyed) and about 4 percent are public-supply wells. The remaining 3 percent are used for irrigation, recreation, industry, stock supply, commerce, and aquiculture. Some of the domestic wells (5-10 percent) are also used for stock supply and irrigation. The total number of wells in the county is probably about 4,000.

TABLE 5.--Estimated annual water use in Clallam County

[All numbers are rounded to two significant figures]

Water system[1]	Source[2]	Type of use[3]	Population[4]	Estimated 1978 water use (millions of gallons)												
				Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Port Angeles Water System[5]	SW	H	17,000	140	120	140	170	190	190	230	190	150	130	110	110	1,900
	SW	N	--	1,400	1,500	1,800	830	430	900	1,600	1,700	2,000	1,800	1,700	2,000	18,000
Dungeness River Irrigation System[6]	SW	I	--	470	600	670	920	2,900	3,000	3,000	2,300	1,600	930	830	570	18,000
Forks Water System	GW	H	4,400	13	12	13	13	14	16	20	16	16	14	13	13	170
Sequim Water Department	SW	H	2,500	6	5	6	7	9	12	16	15	10	7	6	6	100
Makah Water System (Neah Bay)[7]	SW	H	1,100	4	3	4	4	6	8	10	9	6	7	4	4	69
Dry Creek Water Association, Inc.	GW	H	1,000	3	2	3	3	4	6	7	6	4	3	3	3	47
	GW	N	--	1	1	1	1	1	1	2	2	1	1	1	1	14
Local Utility District #1		H	930	3	2	3	3	4	5	7	6	4	3	3	3	46
Crescent Water Association	GW	H	1,200	2	3	2	4	3	3	3	3	3	3	2	2	33
Clallam Bay-Sekiu Water[8]	SW	H	590	2	2	2	2	3	4	5	4	3	2	2	2	33
Olympic Hot Springs[9] (National Park)	SW	H	100	1	1	1	1	1	2	8	9	6	1	1	1	33
LaPush Water System[10]	SW	H	530	1	1	1	2	2	3	4	3	2	2	1	1	23
	SW	N	--	1	1	1	1	1	1	1	1	1	1	1	1	12
Sunland Golf Course	GW	I	--	0	0	0	1	2	2	3	4	2	1	0	0	15
Makah Air Force Station[11]	SW	H	340	1	1	1	1	1	1	1	1	1	1	1	1	12
Allen Logging Company	GW	N	--	1	1	1	1	1	1	1	1	1	1	1	1	12
Miscellaneous systems (37)	GW	H	2,700	7	6	7	8	11	14	19	18	12	8	7	7	120
Private wells	GW	H	12,000	40	35	40	49	55	55	66	55	43	37	32	32	540
Total domestic use	--	H	44,000	220	190	220	270	300	310	400	340	260	220	180	180	3,100
Total industrial use	--	N	--	1,400	1,500	1,800	830	430	900	1,600	1,700	2,000	1,800	1,700	2,000	18,000
Total irrigation use	--	I	--	470	600	670	920	2,900	3,000	3,000	2,300	1,600	930	830	570	18,000
Total ground-water use	GW	--	--	70	62	70	83	95	100	130	110	86	71	62	62	1,000
Total surface-water use	SW	--	--	2,000	2,200	2,600	1,900	3,500	4,100	4,900	4,200	3,800	2,900	2,700	2,700	38,000
Total use	--	--	--	2,100	2,300	2,700	2,000	3,600	4,200	5,000	4,300	3,900	3,000	2,800	2,800	39,000

[1]Water-use figures for Port Angeles Water System through Allen Logging Company were obtained from data on file for a 1975 water-use report (Dion and Lum, 1977) and were modified to include estimated increases due to increased populations from 1975 to 1978. Figures for miscellaneous systems were estimated from data obtained from system managers or users during field visits in 1978. Figures for private wells (wells supplying less than 5 households each) were estimated assuming all unaccounted for people are on private wells (total population of 44,200, minus accounted for population of 32,390) and using an average of 125 gallons per day per person (Dion and Lum, 1977).

[2]Source: SW, surface water; GW, ground water. Collector wells were considered as surface-water sources.

[3]Type of use: H, domestic (including watering lawns and gardens); N, industrial; I, irrigation.

[4]Reported or estimated figures. Clallam Bay-Sekiu Water, Olympic Hot Springs, and LaPush Water Systems, all experienced dramatic population increases (as much as 10 times the permanent population) during summer months.

[5]Water is obtained from a collector well in the Elwha River.

[6]Represents nine major irrigation systems. Rate of use estimates from preliminary figures for period October 1978-September 1979.

[7]Water is diverted from the Waatch River.

[8]Water is obtained from eight well points along the Hoko River.

[9]Water is obtained from springs.

[10]Wate is diverted from Pacific Ocean tributary No. 5 (Map number: 1).

[11]Water is diverted from outflow from Hobuck Lake.

WATER-RESOURCE PROBLEM AREAS AND RECOMMENDATIONS FOR FUTURE STUDIES

The water resources of the county have undergone (as of 1980) relatively little development. For this reason, few problems can be identified in the county; however, potential problems have been observed that may warrant further study.

Adequate ground water for individual domestic use is available in almost all of the developed areas. In some locations, where thin unconsolidated deposits overlie bedrock (primarily shales), attempts to install individual domestic wells have been unsuccessful. In most of these cases, two or three wells were drilled before an adequate yield was obtained. The successful wells occur when saturated fractures in the bedrock are intercepted. Areas where unsuccessful wells are relatively common include: (1) the foothills southeast of Port Angeles and 3-4 mi. inland (pl. 2); (2) the shoreline of Lake Crescent (pl. 2); (3) the Soleduck River valley from Forks to areas east of Sappho; and (4) the southwest shoreline of Sequim Bay (pl. 1). Very few wells have been drilled in the mountainous interior of the study area, but the available data suggest that there may be large areas of inadequate ground-water to supply even single domestic needs. A network of observation wells in the areas of relatively common unsuccessful wells could reveal any potential water-shortage problems before the occurrence of serious shortages.

Although most of the water presently (1978) used is from surface-water sources, the use of surface water is restricted to a few locations in the study area. About six major systems (table 5) supply essentially all the surface water used. The huge amount of precipitation that falls on most of the study area results in substantial surface-water flows. Although there are no supply problems, there are many areas where streamflows (table 2) sometimes are very small or dry up completely and therefore are less suitable for use. Identified areas with extremely low flows include tributaries in (1) the upper Soleduck River basin (pl. 3); (2) the Crescent Lake area (pl. 2); (3) the southwest side of Sequim Bay (pl. 1); (4) the Strait of Juan de Fuca area from Neah Bay to Olsen Creek and from the Lyre River to Port Angeles (pl. 2); and (5) the Hoko River area (pl. 4). Most of the streams in the areas of extreme low flows have small drainage basins, high relief, and are underlain by low permeable bedrock. Most of the small basins in the mountainous interior have not been gaged and the majority of them probably have periods of very little or no flow.

A few problems of poor ground-water quality are known to exist in the county. The most serious problem is salty (chloride concentrations in excess of 250 mg/L) ground water in a few locations: (1) The Neah Bay area; (2) the shoreline from the southwest side of Sequim Bay to the northeast part of the Miller Peninsula (particularly the Diamond Point Area) (pl. 1); and (3) the lower end of the Hoko River valley (pl. 4). The salty ground water is encountered in wells that have been drilled into the freshwater-saltwater zone of diffusion. Saltwater intrusion produced by pumping has apparently not been a problem. Pumping of ground water from the freshwater-saltwater zone of diffusion may result in saltwater encroachment. This could lead to increased deterioration of water quality in existing wells and enlargment of the problem areas. Chloride concentrations should

be monitored in a network of wells along the coastline of the Miller Peninsula to observe any water-quality changes that otherwise might go undetected until a serious saltwater encroachment problem arose. A detailed ground-water study would be needed to assess the potential impact of increased stresses on the ground-water system of the Miller Peninsula.

Large concentrations of iron and (or) manganese are a widespread ground-water problem in the county. The problem is greatest near LaPush, Forks, and the lower end of the Hoko River valley, where associated problems of excessive color and turbidity are also found.

Very few problems of poor surface-water quality have been observed. Excessive color, turbidity, and coliform bacteria are the only widespread problems, and each of these can be treated by standard filter and chlorination processes used in most public-supply systems.

One area of possible surface-water contamination has been observed (Fretwell, written commun., 1980). Samples taken from the Bogachiel River near Forks (site 35) in 1976 and 1977 had ammonia concentrations several times greater than those from samples taken at upstream or downstream sites. Fretwell concluded that the higher concentrations were due to inflow from Mill Creek, which drains a major part of the town of Forks. Much of the sewage from the town is discharged into gravel shafts drilled 50-70 ft deep. Ground water contaminated by this effluent, discharges into Mill Creek and combines with surface runoff. The available data indicate that no serious problem presently exists. Nevertheless, increased effluent discharge could very likely cause increases of ammonia, nitrate, and fecal-coliform bacteria concentrations. Such water-quality changes could be detected early by systematically collecting and analyzing ground- and surface-water samples.

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TABLE 6.--Records of selected wells and springs in Clallam County.

Use of water: C, commercial; H, domestic; I, irrigation; N, industrial; P, public; Q, agriculture; R, recreation; S, stock; U, unused.

Depth of well: wells which have been destroyed are recorded at their last known depth.

Water level: Below land surface unless accompanied by a "+," which indicates above land surface. D, dry; F, flowing.

Finish: F, perforated and gravel packed; H, horizontal gallery; O, open end; P, perforated or slotted; S, screen; T, sand point; W, walled; X, open hole.

Specific capacity: 0.0, less than 0.05.

Data available (LG): G, driller's log on file with U.S. Geological Survey in Tacoma, Washington.

Data available (CK): C, location has been field checked; U, location not field checked.

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
28N/05W-01J01S	DEER PARK, RANGER STA	--	R	5400	--	--	--	--	--	--	--	--		U
28N/12W-06D01	OLYMPIC NAT PRK, CALAWAH	1956	U	400	--	96	80.00	--	--	--	--	--		C
28N/13W-03R01	KING, JERRY	07/31/1980	C	350	100	100	76.00	85	S	40	40.0	7.0	G	U
28N/13W-04F01	ARMOUR PROP, OIL TEST	01/11/1964	U	280	4403	4403	--	--	--	--	--	--		U
28N/13W-04Q02	FORKS, TOWN OF	--	P	320	161	113	72.30	109	S	400	66.0	--	G	C
28N/13W-04Q03	FORKS, TOWN OF	05/19/1961	P	320	114	109	82.20	105	S	510	77.0	--	G	C
28N/13W-04R01	FORKS, TOWN OF	12/03/1953	P	320	178	135	81.30	125	S	237	9.8	--	G	C
28N/13W-05C01	STANDARD OIL CA	03/21/1975	H	280	130	110	99.50	101	P	12	12.0	--	G	C
28N/13W-05H01	SUN OIL CO, OIL TEST	06/06/1938	U	300	6210	6210	--	--	--	--	--	--		U
28N/13W-08N01	JONES, JOHNNY	03/09/1970	H	250	95	95	76.00	--	O	22	11.0	--	G	U
28N/13W-09F01	MOHAWK-OLYMPIC	--	--	300	102	--	--	--	--	--	--	--	G	U
28N/13W-09J01	SUPERIOR OIL CO, OIL TEST	1932	U	320	2350	2350	--	--	--	--	--	--		U
28N/13W-09Q01	WASH OIL CO, OIL TEST	1912	U	310	2125	2125	--	--	--	--	--	--		U
28N/13W-09Q02	FORKS DRILNG CO, OIL TEST2	1924	U	310	2035	2035	--	--	--	--	--	--		U
28N/13W-09R01	FORKS DRILNG CO, OIL TEST1	06/06/1920	U	310	2250	2250	--	--	--	--	--	--		U
28N/13W-10A01	KING, JERRY	07/21/1980	H	425	180	130	59.00	65	P	6.0	0.1	16.0	G	U
28N/13W-10M01	SHAW, FRED J	1965	H	340	--	--	--	--	--	--	--	--		U
28N/13W-12E01	ANGLO PEN OIL, OIL TEST	1930	U	440	147	147	--	--	--	--	--	--		U
28N/13W-15F01	UNION OIL CALIF, OIL TEST	11/12/1948	U	380	2350	2350	--	--	--	--	--	--		U
28N/13W-16C01	EASTERN PETROL, OIL TEST	10/22/1973	U	310	3095	3095	--	--	--	--	--	--		U
28N/13W-16Q01	PRODUCERS OIL, OIL TEST	08/21/1955	U	290	1120	1120	--	--	--	--	--	--		U
28N/13W-34A01	B&H SHAKE INC 1	05/25/1977	U	200	250	250	D	--	--	0.00	0.0	--	G	C
28N/13W-34P01	STATE PARK, BOGACHIEL	08/08/1967	P	200	30	30	8.00	11	P	76	50.7	--	G	C
28N/13W-34P02	B&H SHAKE INC 2	06/22/1977	U	200	50	50	D	--	--	0.00	0.0	--	G	C
28N/13W-34C01	STATE PARK, BOGACHIEL	01/24/1980	U	185	65	20	D	--	O	0.00	0.0	--	G	U
28N/14W-04M01	BELFORD, MIKE	05/08/1980	H	180	65	65	27.00	--	O	9.0	3.0	2.5	G	U
28N/14W-05P01	DUNCAN, EDWIN D	04/14/1976	H,S	140	120	120	54.00	76	S	40	6.7	2.0	G	C
28N/14W-05P02	DUNCAN, ED	03/29/1969	H	140	82	82	30.00	78	S	40	2.0	--	G	U
28N/14W-05R01	RICHARD, RON	03/11/1980	H	150	72	68	53.00	--	O	9.0	3.0	4.0	G	U
28N/14W-07K01	KLAHN, NIKKI	12/10/1979	H	170	124	112	101.00	107	S	20	20.0	2.0	G	U
28N/14W-07N01	ZORNES, BOB	02/19/1980	H	170	112	112	80.00	--	O	20	20.0	4.0	G	U
28N/14W-08M01	KINSMAN, LORRIE+VIO	---	H	200	123	123	100.00	118	S	10	1.2	4.0	G	C
28N/14W-08M02	MAXFIELD, DAREL	07/05/1978	H	200	196	196	93.00	191	S	7.0	0.1	2.0	G	C
28N/14W-08P01	QUILLAYUTE VALY	1928	U	100	--	28	--	--	--	--	--	--		C
28N/14W-09G01	ROMED, FRANCIS	10/26/1978	H	180	131	131	75.00	--	O	15	1.5	4.0	G	C
28N/14W-09M01	VINCENT ET AL, OIL TEST	1932	U	215	2940	2940	--	--	--	--	--	--		U
28N/14W-14N01	EASTERN PETROL, OIL TEST	07/07/1973	U	140	1569	1569	--	--	--	--	--	--		U
28N/14W-17A01	SUSLICK, LARRY K	05/28/1981	H	100	51	49	27.00	--	O	40	40.0	3.5	G	U
28N/14W-17P01	PLANES, RON	10/16/1971	H	50	31	31	21.00	--	O	8.0	8.0	--	G	U
28N/14W-18R01	AERONAUTCS COMM, WA.STATE	--	P	160	--	--	--	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
29N/14W-18F01	NAVAL AIR CENTR	1943	U	173	170	144	106.00	124	P	197	16.0	17.0	G	C
29N/14W-19F01	APPLEBAUM, HILDA	08/15/1975	H	50	65	65	48.00	--	D	20	--	--	G	C
29N/14W-19F02	RAWLINGS, JOHN JR	09/17/1971	H	50	59	59	44.50	50	P	12	12.0	1.5	G	C
29N/14W-19G02	CONLOW, RICHARD	08/18/1975	H,S	60	71	71	53.67	--	O	20	--	--	G	C
29N/14W-19J01	PRIOR, THEODORE A	04/21/1976	H	55	70	68	53.50	--	O	27	27.0	2.0	G	C
29N/14W-19M01	APPLEBAUM, L	06/15/1967	H	50	69	67	45.00	--	D	18	9.0	--	G	U
29N/14W-19P01	LAUSCKE, WILLARD	08/19/1975	H	30	40	40	17.00	--	O	25	--	--	G	C
29N/14W-19Q01	HAWNEY, MARK	08/12/1977	H	35	37	34	21.00	--	O	56	56.0	2.0	G	C
29N/14W-20L01	ZORNES, BOB	11/16/1978	H	35	46	46	27.00	--	O	50	25.0	3.0	G	U
29N/14W-20M01	ELLIS, ANITA	08/13/1975	H	40	39	39	23.30	--	O	20	--	--	G	C
29N/14W-20P01	MCMENAMIN, & PHILLIPS	10/ /1967	H	40	48	48	18.00	41	X	50	50.0	--	G	U
29N/14W-22G01	SOL DUC OIL CO, OIL TEST	1924	U	70	2225	2225	--	--	--	--	--	--		U
29N/14W-29R01	CHAPMAN, DAN	07/10/1978	H	40	102	102	17.00	80	X	7.0	0.1	2.0	G	C
29N/14W-29C01	BECHTOLD, HAROLD	11/06/1979	H	60	34	32	15.00	--	O	15	15.0	2.0	G	U
29N/14W-30R01	FREICHEL, EMMETT	06/02/1981	H	30	32	32	18.00	--	O	40	10.0	2.0	G	U
29N/14W-30G01	ROBERTS 1, ROBERT E	04/ /1976	U	40	50	50	D	--	--	0.00	0.0	--	G	C
29N/14W-30G02	ROBERTS 2, ROBERT E	04/28/1976	H,S	50	100	90	16.00	34	P	60	--	--	G	C
28N/15W-13K01	ANDERSON, DON E	05/10/1976	H,C	160	115	107	82.00	--	O	20	20.0	1.0	G	C
29N/15W-13L01	BERDIENE	09/13/1977	P	160	115	115	90.00	--	O	15	1.4	3.0	G	C
28N/15W-22N01	QUILEUTE TRIBE	1976	P	20	--	70	--	--	--	--	--	--		C
29N/15W-22P01	OLYMPIC NAT PRK, TEST-3	01/17/1967	U	10	55	37	--	30	P	--	--	--	G	C
29N/15W-23K01	OLYMPIC NAT PRK, MORA RGST	12/16/1961	P	40	38	38	31.00	26	P	6.4	9.1	11.0	G	C
28N/15W-23N01	OLYMPIC NAT PRK, TEST-1	01/12/1967	U	10	48	39	8.00	32	P	--	--	--	G	C
28N/15W-23N02	OLYMPIC NAT PRK, TEST-2	01/13/1967	U	10	28	25	8.00	18	P	--	--	--	G	C
28N/15W-23N03	OLYMPIC NAT PRK	05/ /1968	U	20	91	91	16.02	45	P	440	169.2	--	G	C
29N/15W-24M01	JAKSHA, DENNIS	09/16/1974	H	40	50	50	36.00	--	O	15	--	--	G	C
29N/15W-24M02	ZORNES, BOB	04/25/1980	H	35	59	59	29.00	--	O	40	40.0	3.0	G	U
28N/15W-24Q01	ALLEN, DONALD M	04/19/1978	H	30	40	40	15.00	--	O	18	9.0	1.0	G	C
29N/15W-35F01	ST HELENS OIL, OIL TEST	1955	U	290	1005	1005	--	--	--	--	--	--		U
29N/02W-05R01	ALMADEN, WALTER	05/02/1977	S	310	267	267	17.00	17	P	15	15.0	1.0	G	C
29N/02W-05L01	ANDREW, CLAUDE	08/13/1977	H	400	89	89	35.00	--	O	1.5	1.5	1.5	G	C
29N/02W-05L02	MERRILL, JERRY B	07/09/1977	H	360	137	136	114.00	127	S	8.0	1.1	2.0	G	C
29N/02W-05L03	KUC, WILLIAM	02/27/1974	H	350	300	246	150.00	180	P	2.0	--	--	G	C
29N/02W-05M01	FOSTER, LOREN C	02/27/1974	H	300	300	246	152.50	--	--	2.0	--	--	G	C
29N/02W-06B01	DELAIRS, BOB	08/08/1977	H	140	47	47	32.70	43	S	10	1.0	--	G	C
29N/02W-06R02	MAUPIN, JOHNNY	--	H	150	74	72	58.00	--	O	12	--	--	G	U
29N/02W-06C01	MOTAN, JAC	12/05/1977	H	190	205	205	180.50	--	O	12	1.7	2.0	G	C
29N/02W-06C02	BEAULIEU, DICK	01/20/1977	H	180	232	231	--	--	O	10	1.1	1.0	G	C
29N/02W-06C03	DAVENPORT, LORENE	01/19/1980	H	180	80	80	27.00	75	S	24	2.4	1.0	G	U
29N/02W-06F01	KNUTSON, REUBEN L	04/14/1977	H,S	110	30	30	9.00	17	P	4.0	0.2	--	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
29N/02W-06L01	OLDFIELD, JOE	03/31/1977	H	110	101	101	48.00	96	S	10	--	2.0	G	C
29N/02W-06L02	SOFIE, TERRY	08/12/1979	H	90	200	175	45.00	120	P	10	0.1	2.0	G	U
29N/02W-06L03	ROEBUCK, ED E	04/07/1979	H	90	91	90	38.00	85	S	20	--	--	G	U
29N/02W-07C01	HALL, RALPH	05/29/1980	H	200	104	104	60.00	--	O	15	0.5	2.0	G	U
29N/02W-07D01	STROM, STANLEY	10/13/1975	H	180	257	257	172.00	252	S	4.0	--	--	G	C
29N/03W-01H01	HEWITT, MARGARET D	05/09/1978	H	30	50	46	25.00	41	S	2.0	0.2	4.0	G	U
29N/03W-01H02	DRAPER ET AL, O R	1946	H	45	--	42	--	--	--	--	--	--		C
29N/03W-01J01	AURAND, GERALD	11/15/1973	H	30	94	94	27.60	90	S	20	--	--	G	C
29N/03W-01J02	COOPER, BILL	02/03/1977	H	120	189	181	118.00	176	S	10	0.2	4.0	G	C
29N/03W-01J03	WHITCOMB, ROBERT	08/24/1979	H	120	90	90	47.00	85	S	15	--	1.5	G	U
29N/03W-01J04	MC MANUS, JOHN	08/29/1979	H	90	178	171	54.00	167	S	8.0	0.1	0.8	G	U
29N/03W-01J05	FERGUSON, JOSEPH H	07/25/1971	H,I	40	96	96	14.30	--	--	15	--	--	G	C
29N/03W-02C01	STATE PARK, SEQUIM BAY	02/ /1947	P	130	492	492	--	78	P	--	--	--	G	C
29N/03W-02D01	TYLER, H H	04/26/1974	H	200	200	200	50.00	73	P	1.5	0.0	2.0	G	U
29N/03W-02H01	OLDS, LON	09/22/1963	H	30	300	275	30.00	29	X	1.0	0.0	--	G	U
29N/03W-02H02	GUNSTONE, W C	11/30/1980	U	10	270	270	10.00	--	--	1.0	0.0	3.0	G	U
29N/03W-02J01	RIVELAND ET.AL., DALE	--	H	50	--	22	14.34	--	--	--	--	--		C
29N/03W-02K01	ERICKSON, RODNEY	1964	U	110	--	150	21.30	--	--	--	--	--		C
29N/03W-02K02	OLSON, RAY	02/06/1968	U	80	321	321	--	70	X	--	--	--	G	U
29N/03W-02N01	BAIN, JACK	10/20/1974	H	450	215	183	171.00	178	S	1.0	1.0	--	G	U
29N/03W-02Q01	OLSON, ROY	02/ /1968	U	120	--	300	29.12	--	--	--	--	--		C
29N/03W-03A01	MC CORMICK, T L	08/25/1981	H	300	285	285	122.00	40	X	0.10	--	--	G	U
29N/03W-03A02	MC CORMICK, T L	09/09/1981	H	250	240	240	34.00	108	X	0.15	--	--	G	U
29N/03W-03C01	PELLEGRINO, MICHEL	11/04/1980	H	530	58	58	18.00	52	S	20	0.8	1.0	G	U
29N/03W-03F01	FERNIE, BRUCE	07/06/1978	H,S	575	120	120	70.00	115	S	5.0	0.2	1.5	G	C
29N/03W-03F01	FERNIE, BRUCE	07/28/1978	H,S	575	115	115	60.00	105	S	10	0.3	1.5	G	C
29N/03W-03F02	KIPPERMAN, CHARLES	07/28/1981	H	570	362	362	157.50	160	P	1.5	--	5.0	G	U
29N/03W-03K01	JAMES, DICK	11/03/1980	H	440	130	116	84.00	111	S	3.0	0.1	6.0	G	U
29N/03W-03Q01	DUNN, NORMAN	--	U	590	185	185	D	--	--	0.00	0.0	--	G	C
29N/03W-03Q02	MARTS, BRIAN	10/19/1974	H	590	175	175	147.00	149	S	2.5	0.1	--	G	C
29N/03W-03Q03	DUTIL, MARLIN	09/17/1979	H	590	185	105	91.00	100	S	4.0	929.0	3.5	G	U
29N/03W-03Q04	CUMMINS, VERN	05/21/1967	H	590	163	163	129.00	157	S	10	0.7	--	G	U
29N/03W-03R01	HERMAN, ROBERT	11/07/1975	U	670	271	271	D	--	--	0.00	0.0	--	G	C
29N/03W-03P02	HERMAN, ROBERT	03/10/1976	H,S	640	116	116	94.00	106	S	6.0	2.0	2.0	G	C
29N/03W-03R03	MC CORMICK, T L	09/25/1981	U	640	185	146	114.00	141	S	7.0	3.5	3.0	G	U
29N/03W-04D01	BUYERS, OTTO H	1960	H	675	--	121	112.00	--	--	8.0	2.3	--	G	C
29N/03W-04L02	KRENEK, STANLEY	1979	U	840	180	180	D	20	X	0.00	0.0	--	G	U
29N/03W-05R01	KODIAK	09/09/1975	H	710	169	149	132.50	165	S	15	2.1	--	G	C
29N/03W-05R02	COPNER, ROBERT	06/28/1974	H	700	192	189	90.00	184	S	18	0.2	3.0	G	C
29N/03W-05R03	BERMAN, STANTON	05/05/1978	H	705	161	161	126.00	156	S	10	--	--	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
29N/03W-05R04	ANDERSON, LEONARD	1951	H	710	--	--	--	--	--	--	--	--		C
29N/03W-05R05	COOPER, M C	07/01/1970	H	700	186	186	94.00	176	S	20	8.0	--	G	U
29N/03W-05R06	KELLY, JOHN	07/28/1969	U	710	250	250	D	--	--	0.00	0.0	--	G	U
29N/03W-05R07	KELLY, JOHN	07/28/1969	H	710	183	183	110.00	181	S	18	0.9	--	G	U
29N/03W-05C01	COLE, DONALD	08/15/1977	H	720	78	78	58.00	--	O	6.0	1.2	2.0	G	C
29N/03W-05C02	KELLEY, LEROY	05/26/1978	H	740	76	76	--	--	O	10	0.6	2.0	G	C
29N/03W-05C03	BRAHLIT, HENRY	06/29/1979	U	720	140	140	D	--	--	0.00	0.0	--	G	U
29N/03W-05C04	BRAHLIT, HENRY	10/28/1980	H	720	100	93	6.00	13	P	0.33	0.0	1.0	G	U
29N/03W-05C05	BRAHLIT, HENRY	11/04/1980	H	720	85	85	63.00	65	P	0.33	0.0	0.2	G	U
29N/03W-05D01	LANE, DOUGLAS	09/15/1981	H	720	188	188	108.00	140	X	0.30	--	1.0	G	U
29N/03W-05F01	MILLER, BUD	12/10/1975	H	850	112	112	F	60	X	3.0	0.0	--	G	U
29N/03W-05F02	SHIRLEY, A D	10/02/1977	H	800	64	59	40.00	55	X	2.0	0.2	1.0	G	C
29N/03W-10R01	LEVINE, ALAN	02/16/1978	H	1060	120	120	81.00	18	X	0.08	--	12.0	G	U
29N/03W-12A01	BELLIS, DANIEL	1914	H	40	--	12	F	--	--	--	--	--		C
29N/03W-12A02	MCLEAN, JOHN S	10/31/1978	H	30	100	97	16.00	--	O	30	0.7	2.0	G	C
29N/03W-12D01	CASCADE POLE CO	1960	H	15	--	25	--	--	--	--	--	--		C
29N/03W-12D02	POPE & TALBOT, LOG DUMP	1960	H	15	50	37	2.00	28	P	11	0.4	--	G	U
29N/03W-12F01	BROWN, ROBERT B	--	--	20	31	31	14.00	26	P	14	0.8	--	G	U
29N/03W-12F02	JOPPE, PETER W	03/09/1965	H	20	28	28	13.09	--	O	3.0	0.3	1.2	G	C
29N/03W-12F03	GUILMET, MIKE	07/13/1979	H	10	33	33	2.00	30	S	25	1.3	--	G	U
29N/03W-12F04	GUILMET, ARTHUR	01/07/1980	H	10	32	32	0.00	--	O	40	2.5	1.0	G	U
29N/03W-12H01	KAILIN, ELOIS	10/10/1977	H	8	45	45	9.00+	40	S	20	1.4	--	G	C
29N/03W-12H02	JOHNSTON, DAVID A	10/26/1978	H	35	116	111	14.00	--	O	36	1.0	2.0	G	C
29N/03W-12L01	RAY	01/08/1975	H	12	25	25	7.00	--	O	15	--	--	G	C
29N/03W-12M01	GATES, WILLIAM R	07/22/1977	H	40	52	52	38.00	--	O	10	1.7	--	G	C
29N/03W-15F01	ELLIS, LESTER	10/31/1975	H	1400	100	100	3.00	21	X	5.0	--	--	G	C
29N/03W-20F01	HILLSTROM, GEORGE	05/15/1974	H	1550	164	164	142.00	145	P	8.0	0.6	2.0	G	U
29N/03W-20H01	OLYMPIC NAT FRT, LOUELLAGS	11/20/1963	H	1460	225	225	183.50	194	P	20	2.1	1.8	G	U
29N/03W-21L01	BRAULT, GERARD B	04/23/1979	H	1320	91	90	64.00	--	O	10	0.4	3.0	G	U
29N/03W-21M01	ELWICK, JOHN W	02/17/1978	H	1300	135	135	94.00	--	O	10	0.7	1.0	G	U
29N/03W-21P01	SCHMITH, ROBIN	09/11/1979	--	1300	140	140	50.00	90	X	4.0	0.0	1.5	G	U
29N/03W-21R01	ELWICK, JOHN	07/30/1967	U	1200	237	237	190.00	--	--	6.0	--	--	G	U
29N/03W-21R02	ELWICK, JOHN	08/28/1967	H	1200	165	165	F	102	X	25	0.3	--	G	U
29N/03W-31R01	OLYMPIC NAT FRT, EAST XING	09/13/1978	P	1020	51	50	38.50	45	S	35	35.0	3.0	G	U
29N/04W-01R01	DENTON, PAUL	03/12/1975	H	790	203	203	10.00	53	X	2.0	0.0	2.0	G	C
29N/04W-01M01	CHAMROD, GEORGE	02/06/1974	H	465	21	21	11.00	--	O	8.0	8.0	1.0	G	C
29N/04W-01M02	SCHUMAN, WINFRED	03/31/1978	H	460	30	30	7.00	20	X	6.5	0.3	1.0	G	U
29N/04W-01N01	CITY OF SEQUIM	06/ /1977	P	485	--	--	--	--	--	--	--	--		U
29N/04W-01N02	LITTLER	07/ /1968	H	480	26	26	7.00	--	O	10	1.0	--	G	U
29N/04W-02A01	WANNER, MATT	04/07/1978	H	420	39	39	10.00	28	P	30	--	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
29N/04W-02A02	NAGLER, HENRY S	06/26/1972	H	410	18	18	9.00	--	O	10	10.0	--	G	U
29N/04W-02R01	GREGOR, LOU	05/30/1966	H	440	106	106	35.00	43	P	4.2	0.8	--	G	U
29N/04W-02R02	REED, CHARLES	01/29/1973	H	440	107	107	28.00	39	P	54	--	--	G	U
29N/04W-02C01	SUGITA, DALE	06/15/1977	H	501	132	25	4.00	6	P	3.0	--	--	G	C
29N/04W-02C02	BOURQUIN, BOB	07/24/1975	H	540	92	92	30.00	32	P	2.0	0.0	0.5	G	U
29N/04W-02C03	BULLARD, STEVE	02/25/1980	H	480	188	188	129.00	172	S	17	0.8	2.0	G	U
29N/04W-02F02	LAYTON, D L	1971	H	680	300	300	100.00	51	X	1.0	0.0	2.0	G	U
29N/04W-02F03	LAYTON, D L	08/21/1978	H	600	300	300	16.00	39	X	1.5	--	--	G	U
29N/04W-02F04	WOLFF, LONNIE G	09/21/1979	H	600	220	220	40.00	79	P	4.5	0.0	1.5	G	U
29N/04W-02H01	KASSAWCHUK, JOE	06/20/1971	H	450	49	37	12.00	24	P	15	1.3	--	G	U
29N/04W-02J01	MARKLEY, TOM	02/13/1975	H	500	220	220	32.00	20	X	5.0	0.0	2.0	G	U
29N/04W-02R01	RALLS, RANDY	11/21/1973	H	600	180	180	10.00	14	X	0.50	0.0	1.0	G	U
29N/04W-03C01	BARRELL, GEORGE E	11/02/1978	H	890	140	140	11.50	60	P	1.5	--	--	G	U
29N/04W-03C02	BARRELL, GEORGE E	03/25/1968	P	890	322	322	--	30	X	--	--	--	G	U
29N/04W-03C03	BARRELL, GEORGE E	03/11/1968	P	890	--	446	--	42	X	--	--	--	G	U
29N/04W-06F01	SWEENEY, KENNETH W	01/15/1979	H	1020	140	98	40.00	93	S	4.0	0.2	4.0	G	U
29N/04W-06L01	DICKERMAN, C F	11/14/1980	H	1020	64	64	35.00	59	S	10	0.5	1.5	G	U
29N/04W-08R01	JELDNESS, MICHAEL	08/02/1977	H	1450	8	6	1.00	4	P	1.0	0.2	12.0	G	U
29N/04W-10F01	FALLON, PAT	09/24/1979	H	1800	115	115	89.00	20	X	20	2.0	1.0	G	U
29N/04W-10F02	ALVESTED, KEN	10/19/1979	H	1900	240	240	155.00	40	X	0.75	0.0	1.0	G	U
29N/04W-10H01	ANDERSON, WAYNE	02/06/1973	U	1230	97	97	D	--	--	--	--	--	G	U
29N/04W-15A01	PRITTIE, WILLIAM T	03/ /1968	U	1330	450	450	D	--	--	0.00	0.0	--	G	U
29N/04W-15A02	PRITTIE, WILLIAM T	1968	H	1400	--	14	2.00	--	--	--	--	--		U
29N/04W-15R01	QUADE, ROB	10/23/1980	H	1380	107	107	25.00	20	X	50	1.0	1.5	G	U
29N/04W-15F01	LAMOREAUX, SCOTT	05/07/1980	H	1430	90	90	13.00+	75	X	10	0.1	1.0	G	U
29N/04W-15F02	ADRIANSE, MICHAEL	08/11/1980	H	1425	50	47	21.00	37	S	12	1.2	2.0	G	U
29N/04W-15F01	WHITTAKER, MORTON K	05/15/1980	H	1390	200	200	47.00	137	X	5.0	0.1	1.0	G	U
29N/04W-15H01	PERRY, DAN	11/19/1981	H	1260	125	124	0.00	20	X	3.0	0.0	2.0	G	U
29N/04W-16D01	STARR, RANDELL	11/01/1976	H	1680	180	180	145.00	--	O	10	--	--	G	U
29N/05W-01R01	NESKE, GARY	03/04/1973	H	1025	196	196	60.00	--	O	40	0.9	--	G	U
29N/05W-01G01	BOWER, JAMES	09/04/1978	H	1100	80	80	22.00	75	S	45	--	--	G	U
29N/05W-01H01	SIRES, TED	11/17/1977	H	1075	265	265	175.00	212	P	10	0.3	4.0	G	U
29N/05W-01J01	WILLIAMS, JIM	06/04/1979	H	1060	160	160	86.00	--	O	3.0	--	--	G	U
29N/05W-01K01	WILBE, PALM	03/24/1977	H	1160	202	202	70.00	180	P	9.0	0.1	2.0	G	U
29N/05W-01K02	THORNTON, JACK	03/29/1977	H	1125	170	170	76.00	165	S	60	--	1.5	G	U
29N/05W-01K03	PHILLIPS, ROBERT	04/30/1976	H	1145	202	202	68.00	181	P	15	0.2	2.0	G	U
29N/05W-01K04	LAFRENIERE, RALPH	07/31/1978	H	1125	95	95	56.00	90	S	5.0	0.2	3.0	G	U
29N/05W-01K05	LAFRENIERE, RALPH	08/08/1978	H	1125	119	119	55.00	114	S	20	--	--	G	U
29N/05W-01K06	KNIGHTENGALE, JAMES	04/26/1979	H	1160	135	135	40.00	40	X	2.0	--	--	G	U
29N/05W-01M01	JENSON, RALPH O	12/17/1974	H	1120	89	81	13.00	62	S	5.0	0.1	2.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
29N/05W-01N01	LARSON, NICK	01/28/1977	H	1225	210	210	48.00	60	P	1.0	0.0	3.0	G	U
29N/05W-01P01	HERMANN, FRED	04/22/1974	H	1180	97	97	63.00	88	S	30	30.0	4.0	G	U
29N/05W-03C01	CLORAD, DAVID	09/25/1976	H	1100	75	75	31.00	--	O	7.0	--	1.5	G	C
29N/05W-04N01	KOHLMAN, N C	05/13/1978	H	1070	88	88	69.00	--	O	6.0	0.8	1.5	G	U
29N/05W-04N02	CAMERON, CECIL	06/30/1978	U	1050	300	300	93.00	--	--	7.0	--	--	G	C
29N/05W-09D01	KENDRICK, DANNY	07/27/1977	H,S,I	1575	205	205	100.00	97	X	0.33	--	--	G	C
29N/06W-02N01	OLYMPIC NAT PRK, HART O HLS	10/29/1979	U	1900	75	75	D	--	--	0.00	0.0	--	G	U
29N/07W-09D01	OLYMPIC NAT PRK, ELWHA CAMP	10/31/1974	P	320	80	22	6.00	11	S	25	6.4	1.5	G	U
29N/07W-09N01	OLYMPIC NAT PRK	10/23/1974	P	385	136	25	14.00	16	S	12	8.0	2.0	G	U
29N/07W-17P01S	--	--	--	725	--	--	--	--	--	--	--	--		U
29N/08W-27K01S	OLYMPIC HOT SPR	--	R	2000	--	--	--	--	--	--	--	--		C
29N/09W-29N01	OLYMPIC NAT PRK	01/17/1981	U	1720	41	41	D	24	X	0.00	0.0	--	G	U
29N/09W-29P01	OLYMPIC NAT PRK, SOL DUCRS	11/06/1979	U	1700	25	25	D	--	--	0.00	0.0	--	G	U
29N/09W-32C01S	SOL DUC HOT SPR	--	R	1610	--	--	--	--	--	--	--	--		C
29N/09W-32C02S	SOL DUC HOT SPR	--	R	--	--	--	--	--	--	60 F	--	--		C
29N/09W-32C03S	SOL DUC HOT SPR	--	R	--	--	--	--	--	--	27 F	--	--		C
29N/09W-32C04S	SOL DUC HOT SPR	--	R	--	--	--	--	--	--	20 F	--	--		C
29N/09W-32C05S	SOL DUC HOT SPR	--	R	--	--	--	--	--	--	15 F	--	--		C
29N/09W-32C06S	SOL DUC HOT SPR	--	R	1680	--	--	--	--	--	20 F	--	--		C
29N/09W-32D01	OLYMPIC NAT PRK, SOL DUC3	01/11/1980	R	1540	68	53	2.25+	--	O	12	0.3	1.0	G	U
29N/09W-32F01	OLYMPIC NAT PRK, SOL DUC2	11/27/1979	R	1625	64	57	3.00+	--	O	50	2.9	1.0	G	U
29N/09W-33M01	OLYMPIC NAT PRK	06/22/1981	R	1740	66	65	49.00	58	S	50	20.0	4.0	G	U
29N/09W-33M02	OLYMPIC NAT PRK	06/23/1981	R	1740	55	54	37.00	49	S	15	1.5	4.0	G	U
29N/12W-29A01	WALLACE & WEBB	11/14/1977	H	440	34	34	8.00	--	O	32	5.3	1.0	G	U
29N/13W-09F01	NODELL, JAMES	08/13/1976	H	330	98	98	62.40	94	S	18	1.5	3.0	G	C
29N/13W-09K01	FLETCHER, & FLETCHER	01/11/1980	H	310	145	145	81.00	--	--	5.0	0.1	8.0	G	U
29N/13W-09L01	LYNCH, BILL	08/26/1975	U	310	60	60	D	--	--	0.00	0.0	--	G	C
29N/13W-09L02	GRAYBILL, DON	06/24/1975	U	310	123	123	D	49	X	0.00	0.0	--	G	C
29N/13W-09L03	GRAYBILL, DON	06/24/1975	U	310	75	75	D	--	--	0.00	0.0	--	G	C
29N/13W-09L04	PADGETT, BOB	11/13/1979	U	310	71	--	D	--	--	0.00	0.0	--	G	U
29N/13W-09L05	PADGETT, BOB	12/18/1978	U	310	142	--	D	--	--	0.00	0.0	--	G	U
29N/13W-09L06	O'HARA, KEVIN	10/17/1979	H	310	52	52	32.00	--	D	5.0	0.3	--	G	U
29N/13W-09L07	LAKE CR RETREAT, C GREEN	05/16/1972	C	320	45	44	22.00	20	S	7.0	7.0	--	G	U
29N/13W-09P01	GOODING, WES	11/21/1979	H	320	63	58	48.00	--	O	2.0	0.2	5.5	G	U
29N/13W-09R01	KUYKENDALL, JACOB O	06/09/1981	H	380	62	58	17.00	39	P	0.50	0.0	9.5	G	U
29N/13W-16M02	ECKENBERG, HENRY	08/10/1977	H	290	96	96	10.00	20	X	12	0.2	3.0	G	C
29N/13W-16N01	ECKENBERG, HENRY	08/03/1977	U	310	115	115	D	--	--	0.00	0.0	--	G	C
29N/13W-21D01	CUNNINGHAM, GERALD D	11/07/1978	H	325	85	43	20.00	35	P	4.0	0.4	6.0	G	U
29N/13W-21D02	HALVERSON, RICHARD	02/04/1980	H	320	--	175	42.00	--	S	5.0	0.0	5.0	G	U
29N/13W-32G01	BRAITHWAITE, RICHARD	09/20/1977	U	300	138	138	D	--	--	0.00	0.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
29N/13W-33R01	BIIMEL, A R	03/13/1969	H	320	20	20	5.00	--	O	50	100.0	1.0	G	U
30N/02W-15K01	DIAMOND POINT, WATER CO	02/15/1969	P	10	140	106	4.50	33	P	15	1.1	--	G	U
30N/02W-15L01	DIAMOND POINT, WATER CO	--	P	75	--	90	85.00	--	O	--	--	--		C
30N/02W-15L02	LAGRANGE, C	06/17/1968	H	85	113	113	55.00	--	O	5.0	0.2	2.0	G	C
30N/02W-15L03	DIAMOND POINT, WATER CO	--	U	40	92	92	--	--	--	20	--	--		C
30N/02W-15N01	DIAMOND POINT, WATER CO	--	U	250	--	360	238.30	--	--	--	--	--		C
30N/02W-15P02	SULLIVAN, JOHN	06/ /1956	H	12	--	10	7.00	--	--	12	4.8	--	G	C
30N/02W-16G01	SUNSHINE ACRES	1964	P	240	--	321	--	--	--	--	--	--		C
30N/02W-16G02	SUNSHINE ACRES	01/09/1973	P	240	--	--	--	--	--	--	--	--		U
30N/02W-16K01	SUNSHINE ACRES	--	P	285	--	421	--	--	--	--	--	--		C
30N/02W-16P01	DIAMOND POINT, ESTATES	10/05/1979	U	275	475	475	--	--	--	--	--	--	G	U
30N/02W-17G01	WASH, STATE, DOE	07/01/1977	U	225	1015	280	241.00	245	P	--	--	--	G	C
30N/02W-20K01	NORTHWESTTECH	08/ /1970	N	405	425	420	371.50	376	P	10	6.7	4.0	G	C
30N/02W-21A01	SUNSHINE ACRES	--	U	325	--	400	--	--	--	--	--	--		C
30N/02W-21P01	DENT, HELEN	06/14/1974	H	370	365	365	297.00	--	S	12	0.9	8.0	G	C
30N/02W-21R02	SUNSHINE ACRES	08/23/1972	P	350	426	365	254.00	345	S	20	1.0	48.0	G	U
30N/02W-21Q01	DIAMOND POINT, WATER CO	06/02/1975	P	270	393	393	266.00	--	S	310	11.5	10.0	G	C
30N/02W-21Q02	DIAMOND POINT, WATER CO	04/15/1981	P	290	392	392	272.50	372	S	300	30.0	6.5	G	U
30N/02W-21Q03	DIAMOND POINT, WATER CO	1978	P	290	--	325	--	--	--	--	--	--		C
30N/02W-22M01	DIAMOND POINT, WATER CO	09/19/1974	U	245	--	262	246.00	--	--	30	7.5	12.0		C
30N/02W-28M01	DENT, HOWARD JR	07/16/1966	P	130	137	137	47.00	--	S	--	--	--	G	C
30N/02W-28M02	DENT, HOWARD JR	06/25/1966	P	130	92	92	28.00	--	S	10	--	--	G	U
30N/02W-28N01	HOWE, ELMER	04/22/1974	H	140	--	33	4.00	--	--	30	--	--		C
30N/02W-28N02	HOWE, MARK L	05/07/1981	H	125	135	135	--	--	O	5.0	0.1	--	G	U
30N/02W-28Q01	DEL RAY, JIMMY	02/07/1979	H	180	211	211	120.00	207	S	24	24.0	2.0	G	U
30N/02W-29P01	SCHDENROCK, ROY	04/27/1974	H	140	129	125	103.00	--	O	5.0	--	--	G	C
30N/02W-31C01	MAUL, GORDON	12/29/1980	H	340	336	336	321.00	--	O	6.0	2.0	--	G	U
30N/02W-31H01	HOOIS, VINCENT	02/20/1977	H	210	255	249	148.00	244	S	4.0	0.3	2.0	G	C
30N/02W-31H02	WELCH, CHARLES	05/15/1979	H	200	224	224	155.25	219	S	20	0.7	2.0	G	U
30N/02W-31H03	CRANDALL, JOHN S	08/27/1970	H,I	205	205	205	167.00	--	O	7.5	0.3	0.5	G	U
30N/02W-31J01	CAMDEN, BERT	08/24/1978	H	175	177	177	149.00	172	S	18	1.6	1.5	G	U
30N/02W-31N01	KANNENGIESER, GEORGE	07/09/1980	H	200	204	202	190.00	--	O	10	2.5	2.0	G	U
30N/02W-32A01	BLANKSMA, J A	10/12/1978	H	175	176	176	153.00	--	O	10	3.3	2.0	G	C
30N/02W-32C01	YOUNG, ROBERT	01/16/1976	H	195	172	172	145.50	167	S	10	1.0	--	G	C
30N/02W-32G01	WESTERMAN, JACK	--	H	195	--	197	--	--	--	14	2.0	8.0		C
30N/02W-32K01	OTT, BILL	01/10/1974	H	235	258	258	207.00	255	S	10	--	--	G	C
30N/02W-32L01	LECLAIR, ED	08/12/1974	U	200	28	28	13.00	21	S	15	5.3	8.0	G	C
30N/02W-32L02	LECLAIR, ED	08/21/1974	H	205	183	183	157.00	170	S	15	3.0	6.2	G	C
30N/02W-32L03	O'DELL, GAIL	07/08/1978	H	200	215	210	175.00	--	O	12	1.5	2.0	G	C
30N/02W-32L04	PODMORF, GEORGE	09/12/1967	H	205	187	185	162.00	172	P	10	3.3	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/02W-32M01	MARTIN, CHESTER	--	U	180	193	193	135.00	--	O	10	--	--	G	C
30N/02W-32P01	COUNTRY CHAPEL, GARDINER	03/20/1979	H	280	365	345	215.00	360	S	12	0.2	4.0	G	U
30N/02W-32Q01	BRAHAN, MAX	04/20/1976	H	325	147	147	130.00	--	O	10	1.4	--	G	C
30N/02W-32Q02	HEILMAN, TOM	06/13/1978	H	325	162	162	146.00	--	O	15	7.5	--	G	C
30N/02W-32Q03	THOMSEN, DARLENE	07/21/1978	H	310	272	271	260.00	--	O	10	3.3	2.0	G	C
30N/02W-33D01	TURNBERG, NEAL	08/03/1973	H	150	--	61	41.00	--	--	16	--	--		C
30N/02W-33M01	GEE, LEON	04/19/1974	H	325	163	163	143.00	--	--	10	--	--	G	C
30N/02W-33N01	JENTILE, CRAIG	03/13/1975	H	330	356	356	312.00	--	O	15	15.0	8.5	G	C
30N/02W-33N02	HOLDERRY, R E	08/14/1975	H	345	--	--	8.50	--	--	8.0	--	--		C
30N/03W-04M01	GRAYMARSH FARMS	04/21/1980	H	10	43	43	6.00	26	P	60	60.0	--	G	U
30N/03W-05A01	LOCHOW, PETE	06/20/1977	H	10	33	33	6.00	--	O	45	6.4	--	G	U
30N/03W-05R01	BIA	1918	H	5	--	265	F	--	--	64	--	--		C
30N/03W-05R02	ALTON, WILLIAM T	1960	H	5	--	10	5.14	--	O	--	--	--		C
30N/03W-05R03	SUTTON, BOB	07/29/1974	H	10	37	37	5.00	34	S	20	--	--	G	U
30N/03W-05R04	BLACK, PETE	01/14/1977	H	10	40	40	7.50	35	S	16	1.5	1.5	G	U
30N/03W-05R05	DENNIS, GAYE E	10/08/1979	H	10	154	154	35.00+	32	S	7.0	0.3	1.0	G	C
30N/03W-05R06	BIA-JAMESTOWN	1972	P	5	--	--	F	--	--	65	--	5.0		U
30N/03W-05C01	MCINNES	05/15/1974	H	10	50	50	3.50	47	S	30	--	--	G	U
30N/03W-05D01	DALTON,DAN, OIL TEST	11/08/1946	U	15	175	175	--	--	--	--	--	--		C
30N/03W-05D02	DALTON,DAN, OIL TEST	04/01/1947	U	20	600	600	--	--	--	--	--	--		C
30N/03W-05M01	YOUNG, ALEX	--	H	8	--	30	7.30	--	--	--	--	--		C
30N/03W-05M02	OPDYKE, ALEX	06/23/1977	H	12	31	31	5.00	--	O	40	--	3.0	G	C
30N/03W-05M03	ALTON, WILLIAM T	05/23/1980	H	8	37	37	5.00	32	S	15	0.7	--	G	U
30N/03W-05M01	SWANBERG	05/21/1974	H	75	75	75	55.00	72	S	20	--	--	G	C
30N/03W-05N01	SUNLAND ASSOC	11/13/1974	U	40	22	22	13.30	19	P	--	--	--	G	C
30N/03W-05N02	SUNLAND ASSOC	11/13/1974	U	50	20	20	15.30	17	P	--	--	--	G	C
30N/03W-05Q01	SUN LAND SHORES	07/13/1979	U	30	58	58	3.00	48	S	180	19.5	4.0	G	C
30N/03W-05Q02	SUN LAND SHORES	05/26/1980	U	30	58	58	4.00	48	S	162	156.0	4.2	G	C
30N/03W-05R01	REED	06/08/1965	I	21	--	40	6.00	20	P	600	67.0	8.0	G	C
30N/03W-05R02	PEDERSEN ET AL, SOREN	05/03/1970	P	23	238	238	--	--	O	40	--	--	G	C
30N/03W-06C01	DUNGENESS HGTS, WTR SYSTEM	--	U	30	--	7	3.44	--	--	--	--	--		C
30N/03W-06D01	GAMLEN, V A	02/24/1978	H	120	151	151	115.00	145	S	30	30.0	--	G	U
30N/03W-06D02	DUNGENESS HGTS, WTR SYSTEM	12/01/1971	P	80	136	136	50.00	90	S	400	52.6	4.0	G	U
30N/03W-06D03	DUNGENESS HGTS, WTR SYSTEM	12/16/1972	P	80	100	100	50.00	90	S	30	30.0	--	G	U
30N/03W-06F01	HENNING, DENNIS	07/30/1979	H	140	144	144	111.00	--	O	20	0.7	1.5	G	U
30N/03W-06F01	BELL, DR GEORGE J	02/27/1980	H	120	140	140	109.00	--	O	40	--	1.0	G	U
30N/03W-06F02	LACEY, HENRY	04/27/1972	H	80	73	73	46.00	--	O	20	20.0	--	G	U
30N/03W-06G01	TOWNSEND, GEORGE L	05/30/1967	P	80	122	122	60.00	--	O	100	33.0	4.0	G	U
30N/03W-06G02	MOSEBAR	04/29/1974	H	50	85	85	44.00	--	S	40	40.0	1.0	G	U
30N/03W-06G03	PETERSON	05/05/1975	H	125	141	141	114.00	--	O	20	10.0	1.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/03W-06G04	INGLIS, D	11/17/1976	H	78	79	79	50.00	--	S	30	30.0	3.0	G	U
30N/03W-06G05	SMITH, CHARLIE	05/25/1978	H	100	157	157	93.00	152	S	17	0.8	1.5	G	U
30N/03W-06G06	STARR, C H	05/15/1975	H	80	85	85	59.00	82	S	30	30.0	1.0	G	U
30N/03W-06G07	COBURN, WAYNE	02/13/1973	H	100	100	100	72.00	95	P	18	18.0	--	G	U
30N/03W-06H01	OLYMPIC STRAITS, WDLAND HGT	10/18/1974	P	40	94	94	22.00	66	S	168	52.0	4.5	G	U
30N/03W-06H02	DAILEY, JERRY	06/23/1979	H	25	144	144	F	--	O	36	4.5	2.0	G	U
30N/03W-06H03	WAJDA, FRANK	03/19/1979	H	25	45	45	1.00+	--	O	12	0.4	1.5	G	U
30N/03W-06H04	OLYMPIC STRAITS, WDLAND HGT	12/05/1974	P	40	92	92	21.30	87	S	225	8.2	5.0	G	C
30N/03W-06J01	OLYMPIC STRAITS	09/11/1974	U	30	105	105	--	--	--	--	--	--	G	U
30N/03W-06J02	OLYMPIC STRAITS	09/23/1974	U	80	329	329	--	--	--	--	--	--	G	U
30N/03W-06K01	PURVIS, ED	06/13/1978	H	80	96	96	70.00	--	O	25	--	--	G	U
30N/03W-06K02	CAMPBELL, ROBERT	07/09/1979	H	120	118	118	90.00	--	O	30	3.0	--	G	U
30N/03W-06K03	KIRNER, CONRAD	04/12/1980	H	90	126	100	66.00	90	S	20	3.3	5.0	G	U
30N/03W-06L01	BRADY, TOM	04/05/1979	H	110	73	73	57.00	--	O	15	3.0	1.5	G	U
30N/03W-06L02	MEAD, JOHN	04/09/1977	H	100	118	118	82.00	112	S	22	2.2	1.5	G	U
30N/03W-06M01	PARKINSON, C O	03/07/1978	H	118	105	105	83.00	--	O	30	30.0	3.0	G	C
30N/03W-06M02	MILLMAN, BOB	01/19/1978	H	125	139	139	109.00	133	S	20	20.0	3.0	G	U
30N/03W-06M03	MCCOLL, GORDON	02/09/1978	H	130	120	120	99.00	--	O	15	--	--	G	C
30N/03W-06M04	HENDRICKSON, JERRY	06/27/1977	H	125	109	109	78.00	102	S	20	--	2.0	G	C
30N/03W-06M05	BEST, PICK	04/03/1979	H	135	149	149	118.00	144	S	20	20.0	1.5	G	U
30N/03W-06M06	BOARDMAN, W C	03/25/1976	H	120	123	123	97.00	--	O	20	4.0	1.0	G	U
30N/03W-06M07	ARMSTRONG, JIM	10/21/1977	H	120	139	139	111.00	--	O	25	--	--	G	U
30N/03W-06M08	KIRNER, CONRAD	04/20/1972	H,I	150	144	144	121.00	--	O	20	20.0	--	G	U
30N/03W-06M09	OBRIEN, LEO	04/27/1972	H	125	137	137	108.00	--	O	20	20.0	--	G	U
30N/03W-06M10	SIMPSON, WILLIAM	04/19/1972	H	140	137	137	112.00	--	O	20	20.0	--	G	U
30N/03W-06M11	REID, HARRY	06/12/1981	H	130	188	185	90.00	180	S	35	--	1.5	G	U
30N/03W-06N01	KIRNER, CONRAD	1955	H	105	165	138	65.00	85	P	9.0	0.6	--	G	C
30N/03W-06N02	THOMAS, BILL T	12/09/1976	H	110	100	97	74.00	91	S	22	22.0	2.0	G	U
30N/03W-06P01	ANGINLI	1930	H	55	--	22	19.00	--	--	--	--	--	G	C
30N/03W-06P02	SHORTEN, ALBERT	07/06/1979	H	60	45	45	25.00	--	O	20	4.0	--	G	U
30N/03W-06R03	SHUTE, DALE	09/06/1979	H	50	61	61	26.00	--	O	50	10.0	--	G	U
30N/03W-06R04	PETERS, GLEN	10/13/1977	H	50	61	61	23.30	55	S	60	--	--	G	U
30N/03W-06R05	BRATORIA, MARK	05/27/1981	H	60	59	58	23.00	--	O	60	--	1.0	G	U
30N/03W-07A01	STILL, CHARLES	--	H	60	--	32	19.19	--	--	--	--	--		C
30N/03W-07A02	STANDARD OIL CA, SHOT 04-03	1955	U	55	20	--	--	--	--	--	--	--		C
30N/03W-07C01	STANDARD OIL CA, SHOT 04-05	1955	U	80	80	--	--	--	--	--	--	--		C
30N/03W-07D01	GASKELL, ROBERT	10/ /1958	H,S	102	--	130	75.00	--	O	20	2.0	--	G	C
30N/03W-07D02	STANDARD OIL CA, SHOT 04-07	1955	U	105	80	--	--	--	--	--	--	--		C
30N/03W-07F01	RUTLEDGE, DICK	01/27/1979	H	75	66	66	30.00	61	S	18	1.8	1.5	G	U
30N/03W-07L01	GRIFFITH, JOHN T	1960	H	100	--	46	26.69	--	--	200	100.0	2.0	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUOF OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/03W-07L02	TREVILLION, & FARLEY	08/03/1978	H	82	31	31	9.00	--	O	30	2.5	--	G	U
30N/03W-07M01	SHOLAR, NORMAN	08/18/1977	H	82	43	43	4.00	37	S	35	2.3	2.0	G	C
30N/03W-07N01	DEVINE	06/06/1977	H	103	90	41	8.00	22	P	50	10.0	--	G	C
30N/03W-07N02	STEVENS	09/10/1975	H	100	38	38	7.42	--	O	30	7.5	--	G	C
30N/03W-07N03	MARTIN, LARRY	05/08/1978	H	115	53	48	12.00	45	S	20	4.0	2.0	G	C
30N/03W-07N04	MATHIS, LEWIS	12/15/1976	H	100	24	24	5.00	--	O	50	50.0	--	G	U
30N/03W-07N05	ROBERTS, GARY+PAT	05/01/1978	H	100	66	66	7.50	--	O	60	60.0	1.0	G	U
30N/03W-07N06	BARNES, ROBERT G	11/24/1980	H	100	73	72	0.00	66	S	20	0.5	1.0	G	U
30N/03W-07P01	STRYKER, CECIL	03/15/1976	H	85	44	44	13.00	--	O	10	0.3	1.5	G	U
30N/03W-07P02	GRIFFITH, BETTY F	05/18/1978	H	115	52	52	41.00	--	O	9.0	9.0	1.0	G	C
30N/03W-07P03	BILLINGSLEY, PAUL	05/09/1978	H	107	90	74	19.00	--	O	20	0.3	2.0	G	C
30N/03W-07P04	CHINNER, JOHN	01/08/1975	H	100	43	43	6.00	38	S	20	20.0	1.0	G	U
30N/03W-07P05	BERGERON	04/01/1975	H	100	90	86	19.00	81	S	12	0.2	10.0	G	U
30N/03W-07P06	EPPICK, FRANK	03/20/1975	H	100	50	50	7.00	45	S	80	80.0	2.0	G	U
30N/03W-07P07	NIENKARK	01/31/1979	H	100	194	194	4.00	--	O	25	2.5	--	G	U
30N/03W-07P08	GROTJAN, LAWRENCE	01/17/1980	H	110	57	57	11.00	53	S	15	0.4	--	G	U
30N/03W-07P09	AMMONS, MAGOR G	02/05/1981	H	110	99	98	10.00	93	S	30	0.5	1.0	G	U
30N/03W-07Q01	HENDRICKSON, O M	03/27/1979	H	125	78	78	34.00	73	S	17	17.0	1.5	G	U
30N/03W-07Q02	ALLAN, BERRY	12/11/1979	H	120	45	45	14.00	40	S	35	3.5	--	G	U
30N/03W-07R01	SEQUIM VIEW CEM	--	I	118	--	35	16.92	--	--	--	--	--		C
30N/03W-08P01	SUNLAND ASSOC	01/27/1975	I	34	58	52	6.20	42	S	250	15.6	3.6	G	C
30N/03W-08C01	CASSALERY, MOE	--	H,S	35	--	30	13.00	--	--	--	--	--		C
30N/03W-08C02	STANDARD OIL CA, SHOT 04-01	1955	U	45	50	--	--	--	--	--	--	--		C
30N/03W-08C03	SUNLAND ASSOC	08/06/1979	P	35	124	124	11.80	109	S	705	46.2	1.1	G	U
30N/03W-08D01	DUNGENES OIL CO, OIL TEST	1951	U	40	2740	2740	--	--	--	--	--	--		C
30N/03W-08F01	SUNLAND ASSOC	08/13/1971	U	105	360	330	66.00	217	P	75	8.3	--	G	U
30N/03W-08J01	STANDARD OIL CA, SHOT 20-01	1955	U	115	90	--	--	--	--	--	--	--		C
30N/03W-08J02	STANDARD OIL CA, SHOT 20-02	1955	U	115	120	--	--	--	--	--	--	--		C
30N/03W-08J03	STONE, STACY	02/23/1976	I,H	121	342	342	79.42	303	P	170	1.0	8.0	G	C
30N/03W-08K01	STANDARD OIL CA, SHOT 20-03	1955	U	115	120	--	--	--	--	--	--	--		C
30N/03W-08K02	STANDARD OIL CA, SHOT 20-04	1955	U	115	100	--	--	--	--	--	--	--		C
30N/03W-08M01	SUNLAND ASSOC, SUNLAND ASSOC	04/15/1963	P	120	250	250	78.00	160	S	600	18.0	2.5	G	C
30N/03W-08M02	ANGIULI, NATHALIE	05/22/1978	H	115	118	118	71.00	113	S	30	--	--	G	U
30N/03W-08N01	LITTLE JOHN, ROBERT	04/30/1966	H	115	144	144	60.00	137	S	35	35.0	--	G	U
30N/03W-08P01	STONE, STACY	02/22/1977	H	115	147	147	65.00	120	P	70	70.0	8.0	G	U
30N/03W-08P02	FRICK, DORA L	06/22/1978	H	115	117	117	87.00	--	O	15	1.9	4.0	G	U
30N/03W-08R01	STARES	--	H,S	116	--	84	76.00	--	--	5.0	--	--		C
30N/03W-09K01	GRAYS MARSH FRM	--	H,S	100	--	40	39.00	--	--	--	--	--		C
30N/03W-09Q01	STANDARD OIL CA, SHOT 14-04	1955	U	105	70	--	--	--	--	--	--	--		C
30N/03W-10N01	GATES, JAMES	1952	H	50	--	310	7.00	--	S	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)		SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE	
														LG	CK
30N/03W-13P01	PANORAMA VISTA, PARTNERSHP	06/17/1977	U	100	67	67	21.60	57	S	20		0.5	8.2	G	C
30N/03W-13Q01	FISHER, CONSTANCE	03/14/1979	H	140	50	50	21.00	--	O	36		9.0	2.0	G	U
30N/03W-15D01	STANDARD OIL CA, SHOT 14-01	1955	U	95	70	--	--	--	--	--		--	--		C
30N/03W-15G01	SEQUIM VALLEY	04/13/1951	H	20	574	574	F	--	--	100	F	--	--	G	C
30N/03W-16A01	SNIDER	--	H	104	--	39	19.00	--	--	--		--	--		C
30N/03W-16A02	SMITH	--	U	104	--	28	26.04	--	--	--		--	--		C
30N/03W-16A03	LANCASTER, LESTER	05/05/1976	H	110	113	113	73.00	--	O	15		0.5	--	G	C
30N/03W-16C01	WOODMAN	06/01/1974	H	111	184	184	77.00	177	S	36		1.3	3.0	G	C
30N/03W-16C02	PETERSON	11/26/1974	H	113	90	90	25.00	51	S	20		0.6	2.0	G	U
30N/03W-16C03	MATTMAN, CHARLES	02/17/1978	H	132	50	50	--	45	S	6.0		--	--	G	U
30N/03W-16C04	WILLEY, HARALD R	09/03/1971	H	110	112	112	71.00	--	O	5.0		--	--	G	U
30N/03W-16C05	WOODS, SAM	11/14/1980	H	110	200	198	74.00	193	S	15		0.3	--	G	U
30N/03W-16D01	WILLEY, HAROLD	08/27/1971	H	120	152	152	75.00	--	O	15		0.4	2.0	G	U
30N/03W-16D01S	RAINS	--	--	120	--	--	--	--	--	--		--	--		U
30N/03W-16D02	LILLEY, GORDON	07/26/1979	H	120	90	89	73.00	--	O	20		2.0	1.5	G	U
30N/03W-16F01	WILLIS	--	H	140	--	60	45.00	--	S	--		--	--		U
30N/03W-16F01	MATTMAN, CHUCK	06/12/1977	H	130	55	52	35.00	47	S	25		12.5	2.0	G	U
30N/03W-16F02	FRYER, DAN	08/24/1978	H	130	62	62	43.00	59	S	25		3.6	1.0	G	U
30N/03W-16H01	SCHMUCK, FRED	03/25/1966	H	110	230	204	88.00	199	S	9.0		0.1	--	G	U
30N/03W-16K01	RUTLEDGE, DICK	04/30/1979	H	120	75	75	52.00	70	S	12		2.4	1.5	G	U
30N/03W-16L01	BELENSKI, BILL	11/08/1978	H	170	98	98	91.00	93	S	10		10.0	1.5	G	U
30N/03W-16M01	HERNDON, MARY	05/01/1979	H	180	30	29	6.50	24	S	40		5.7	1.0	G	U
30N/03W-16N01	BOLSTER, PERRY	11/17/1980	H	158	102	99	41.00	--	O	20		20.0	3.0	G	U
30N/03W-17A01	EGGERS	12/06/1974	H	125	157	157	75.00	--	O	25		--	--	G	C
30N/03W-17A01	BENT, BOB	01/03/1977	H	120	79	79	59.00	--	O	10		--	1.5	G	U
30N/03W-17A02	BAILEY, ED	04/06/1978	H,I	130	158	156	76.00	145	S	55		--	--	G	C
30N/03W-17A03	BURDICK, GENE	05/26/1973	H	130	153	153	90.00	--	O	20		20.0	--	G	U
30N/03W-17A04	BURDICK, GENE	1963	H	130	78	78	62.00	--	O	10		5.0	--	G	U
30N/03W-17A05	FRICK, CYE	01/14/1965	H	125	139	139	76.00	134	S	17		0.9	--	G	U
30N/03W-17D01	ILLSLEY, HARRY	04/11/1978	H	104	79	79	22.20	74	S	50		--	--	G	C
30N/03W-17D02	THAYNE, WALTER	06/06/1978	H	97	76	74	17.50	69	S	30		--	--	G	C
30N/03W-17D03	WHITESIDE, RAY	07/19/1978	H	100	78	78	16.50	73	S	25		0.8	3.0	G	U
30N/03W-17D04	MC GARR, C H	04/21/1979	H	105	80	79	23.00	74	S	25		1.3	2.0	G	U
30N/03W-17D05	TAYLOR, RAYMOND E	05/05/1979	H	105	80	80	24.00	75	S	20		0.5	2.0	G	U
30N/03W-17F01	KETTEL, LAWRENCE	--	H	105	35	35	12.00	--	O	40		20.0	--	G	U
30N/03W-17F01	STONE, STACEY	--	H,S	108	--	32	7.00	--	--	--		--	--		C
30N/03W-17G01	STANDARD OIL CA, OIL TEST	02/06/1956	U	85	7493	7493	--	--	--	--		--	--	G	C
30N/03W-17K01	BERMAN, STANTON	11/25/1977	H	135	41	41	14.00	--	O	40		40.0	--	G	U
30N/03W-17L01	EKSE	11/21/1974	H	120	54	54	29.00	--	O	45		2.0	--	G	U
30N/03W-17L02	ARTS BARBERSHOP	--	--	130	--	--	--	--	--	--		--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET).	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/03W-17M01	OLSON, M A	12/21/1976	H	120	37	37	10.00	--	O	25	1.9	--	G	C
30N/03W-17N01	GUSTAFSON	07/15/1974	H	140	68	68	14.70	64	S	40	2.7	--	G	U
30N/03W-17N02	WEATHERBY	10/28/1974	H	140	53	53	14.60	--	O	45	2.4	--	G	U
30N/03W-17N03	MAURER-2, STEVE	02/11/1977	H	142	49	49	24.00	--	O	40	8.0	--	G	U
30N/03W-18A01	ADVENTIST CH	09/04/1975	H	115	60	60	12.75	55	S	30	--	--	G	U
30N/03W-18A02	SANFORB, NEUMAN	09/02/1977	H	115	31	31	14.00	--	O	30	--	--	G	U
30N/03W-18A03	SEQUIM RAPT. CH	06/08/1978	H	115	96	96	22.00	91	S	45	--	--	G	C
30N/03W-18A04	ERICKSON, JACK	02/21/1969	H	115	37	37	14.00	--	O	30	5.0	--	G	U
30N/03W-18A05	FRIBERG, ARNOLD	04/06/1971	H	115	41	41	15.00	--	O	60	8.6	--	G	U
30N/03W-18A06	SANFORD, NEUMAN	03/05/1966	H	115	35	35	16.00	--	O	15	15.0	--	G	U
30N/03W-18B01	ALFRONE, JENE	08/31/1979	H	120	79	79	21.00	--	O	20	--	1.5	G	U
30N/03W-18B02	WRIGHT, GAYLORD	03/29/1979	H	120	89	88	39.00	--	O	50	--	1.0	G	U
30N/03W-18C01	NEUBAUER	02/06/1974	H	115	46	46	15.00	--	O	16	--	--	G	U
30N/03W-18C02	BURKS, SHIRD	12/13/1977	H	120	39	39	8.00	--	O	35	1.8	--	G	U
30N/03W-18C03	ABBOTT, BOB	12/22/1979	H	120	45	45	0.70+	--	O	25	0.9	--	G	U
30N/03W-18D01	CAYS	03/05/1975	H	130	68	68	11.00	65	S	20	0.5	--	G	U
30N/03W-18D02	GILKISON	09/19/1974	H	130	37	37	2.00	--	O	--	--	--	G	U
30N/03W-18D03	WEBORG, WILLIAM H	09/19/1974	H	130	45	45	9.00	40	S	16	0.6	--	G	U
30N/03W-18D04	ROACH, NOLAN	01/10/1976	H	125	59	59	3.58	54	S	30	2.3	0.5	G	U
30N/03W-18D05	ANDERSON, E	03/01/1978	H	120	72	72	12.00	59	S	60	10.0	2.2	G	U
30N/03W-18D06	VAN DOVER, CHARLES	09/28/1979	H	130	42	42	6.00	--	O	40	4.0	--	G	U
30N/03W-18D07	LEHMAN, HERBERT	01/18/1973	H	130	69	69	9.00	64	S	50	5.6	--	G	U
30N/03W-18E01	LOVEGREN	09/17/1974	H	140	44	44	4.00	40	S	40	--	--	G	U
30N/03W-18E02	SHARP	07/23/1974	H	140	55	55	2.50	51	S	45	3.0	--	G	U
30N/03W-18E03	HAMMOND	10/27/1975	H	150	40	40	6.00	37	S	25	1.8	--	G	U
30N/03W-18E04	TELFORD	12/20/1974	H	140	39	39	9.75	36	P	40	--	--	G	U
30N/03W-18F05	RIPD, JAY	04/23/1976	H	142	66	66	27.00	--	O	26	1.2	--	G	U
30N/03W-18F06	SHAY, JIM	05/10/1976	H	150	41	41	7.00	38	S	50	5.0	--	G	C
30N/03W-18F07	CHURCHILL, C C	05/16/1977	H	140	51	48	6.00	44	S	30	7.5	2.0	G	U
30N/03W-18E08	G&M CONTRACTORS	03/07/1974	H	145	89	89	6.00	86	S	17	--	--	G	U
30N/03W-18F09	SHAUGHNESSY, J T	04/17/1968	H	155	40	40	14.00	--	O	18	3.6	1.0	G	U
30N/03W-18F10	REGAL, FREDERICK E	04/01/1969	H	140	40	40	7.00	--	O	60	8.6	--	G	U
30N/03W-18F01	MUELLER, DAVID	02/08/1978	H	145	49	49	18.00	--	O	12	0.8	--	G	U
30N/03W-18F02	TRAVELLION, WALT	03/02/1977	H	145	38	39	15.60	33	S	20	2.9	1.5	G	U
30N/03W-18F03	MCNUTT, RALPH	06/08/1977	H	144	38	38	14.00	--	O	40	6.7	--	G	C
30N/03W-18F04	OLIPHANT, LEONARD D	12/09/1976	H	135	42	42	6.50	--	O	50	5.0	--	G	C
30N/03W-18F05	PARSON, DON	12/13/1976	H	145	40	40	12.00	--	O	25	2.5	--	G	U
30N/03W-18F06	KELSAY, MERRITT	06/10/1977	H	145	43	43	7.50	--	O	50	5.0	--	G	U
30N/03W-18F07	LACCINOLE, JIM	06/16/1977	H	145	44	44	10.50	--	O	20	1.0	--	G	U
30N/03W-18F08	ARNOLD, WILLIS R	12/12/1975	H	145	36	36	8.00	32	S	50	10.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/03W-18F09	HANSEN, DON	07/03/1979	H	145	36	36	16.00	--	O	15	15.0	1.5	G	U
30N/03W-18F10	STONE, GREGG	04/09/1976	H	148	56	56	20.50	48	S	50	12.5	2.0	G	U
30N/03W-18G01	HOLLECK, JOSEPH	11/04/1977	H	135	59	59	14.83	45	P	100	--	--	G	U
30N/03W-18G02	BRIDGE, CHARLES	12/17/1976	H	130	30	30	13.00	--	O	20	6.7	--		U
30N/03W-18H01	WOOD, ROBERT	05/24/1977	H	130	85	93	13.75	--	P	60	8.3	6.0	G	U
30N/03W-18H02	MARTIN, DON	05/08/1978	H	125	59	59	24.20	--	O	40	--	--	G	U
30N/03W-18J01	GASCHK, MEL	03/25/1976	H	140	41	41	--	36	S	--	--	--	G	U
30N/03W-18J02	SANDS-KRAFT	03/15/1978	H	140	91	80	43.00	--	O	40	2.0	2.0	G	U
30N/03W-18J03	FORD, LUCILLE	--	H	140	45	45	11.00	--	O	20	0.8	--	G	J
30N/03W-18J04	ANDERSON, PAUL	03/06/1979	H	140	40	40	22.00	--	O	32	10.7	--	G	U
30N/03W-18J05	CANTRELL, ROBERT B	07/26/1977	H	140	44	44	9.00	--	O	50	3.6	--	G	U
30N/03W-18J06	GRIASINGER, FLOYD L	02/26/1980	H	140	40	40	21.00	--	O	40	8.0	1.0	G	U
30N/03W-18M01	BOSTON	03/01/1975	H	158	44	44	22.00	--	O	12	1.2	--	G	U
30N/03W-18M02	FISHER	10/16/1973	H	158	49	49	10.00	--	O	40	2.7	1.0	G	U
30N/03W-18M03	STURDEVENT	10/23/1975	H	165	50	50	13.67	--	O	40	2.4	--	G	C
30N/03W-18M04	HEDAHL, VERN	02/02/1978	H	165	47	47	18.00	41	S	30	15.0	1.5	G	U
30N/03W-18M05	SHEPHARD, WILLIAM C	01/04/1978	H	165	47	47	20.00	--	O	24	12.0	1.0	G	U
30N/03W-18M06	TURNER, WINSTON	10/26/1977	H	165	55	55	18.50	--	O	30	--	--	G	U
30N/03W-18M07	PLUMLEY, GLENN V	06/29/1971	H,I	170	61	61	15.00	--	O	50	2.0	1.0	G	U
30N/03W-18M08	GOULD, MAURI	06/18/1981	H	165	56	56	20.00	--	O	40	5.0	--	G	U
30N/03W-18N01	HENDRICKSON, O M	--	H	180	72	72	37.00	67	S	30	7.5	1.0	G	U
30N/03W-18N02	STANDARD OIL CA, SHOT 08-01	1955	U	185	50	--	--	--	--	--	--	--		C
30N/03W-18Q01	SORENSEN, DON	05/12/1977	H	150	51	44	20.00	39	S	20	--	1.0	G	U
30N/03W-18Q02	HARRIS, LORRAINE C	03/14/1979	H	150	59	59	22.00	--	O	40	--	1.0	G	U
30N/03W-18Q03	BROWN, RICK	10/19/1978	H	150	46	46	15.00	--	O	40	3.3	--	G	U
30N/03W-18Q04	BROWN, KEITH	04/26/1979	H	150	49	49	25.00	--	O	40	6.7	--	G	U
30N/03W-18Q05	FREEBURN, BOB	04/03/1970	H	170	50	50	23.00	--	O	25	12.5	--	G	U
30N/03W-18R01	SEQUIM BIBLE CH	11/28/1969	H,I	140	51	51	7.00	--	O	40	5.0	1.0	G	U
30N/03W-18R02	GOLLEHON	09/22/1975	H	150	28	28	8.00	--	O	15	1.2	--	G	C
30N/03W-18R03	SEQUIM VIEW LND	04/14/1972	P	150	85	85	20.00	55	S	72	33.2	4.0	G	U
30N/03W-19C01	STANDARD OIL CA, SHOT 22-04	1955	U	180	70	--	--	--	--	--	--	--		C
30N/03W-19D01	CAMERON	10/11/1972	H	208	67	49	32.00	--	O	35	2.3	2.0	G	C
30N/03W-19M01	RED RANCH INN	--	C	235	--	150	--	--	--	--	--	--		C
30N/03W-19M02	MORMON CHURCH	02/25/1971	H	240	165	165	84.00	104	P	30	7.5	6.0	G	C
30N/03W-20A01	BLAKE, ED	1956	H,S	110	34	34	11.56	--	--	10	--	--	G	C
30N/03W-20B01	BUCHER	01/ /1949	S,I	140	--	23	0.00	--	--	--	--	--		C
30N/03W-20C01	CLAYTON	1949	H,S,I	145	--	50	9.00	--	--	300	29.0	4.0	G	C
30N/03W-20C02	PEDLAR	05/08/1971	H	135	36	36	9.50	--	O	60	20.0	2.0	G	C
30N/03W-20C03	FOSTER, J. C	08/14/1978	H	145	75	75	40.00	70	S	30	2.3	3.0	G	U
30N/03W-20C04	SANFORD, NEUMAN	05/15/1963	H	160	50	50	30.00	--	O	30	10.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/03W-20E01	MACEDO, STANLEY T	10/11/1977	I	172	71	71	26.00	66	S	60	--	2.0	G	C
30N/03W-20L01	CORDAY, M	02/22/1965	H	150	36	32	13.00	--	O	30	3.3	--	G	U
30N/03W-20M01	KRISTOFFERSON	--	U	175	--	100	--	--	--	--	--	--		C
30N/03W-20N01	NOWELL, FOREST	06/09/1976	H	215	156	156	80.00	--	S	20	4.0	1.5	G	C
30N/03W-20Q01	BELFIELD	05/20/1966	P	160	236	236	36.00	225	S	30	0.7	2.0	G	C
30N/03W-20Q02	NEWHARTH, EUGENE	--	H	220	131	131	91.00	121	S	15	0.7	4.0	G	U
30N/03W-20R01	VALASKE 1965	1965	H	180	201	158	82.00	145	S	30	1.4	47.0	G	U
30N/03W-20R02	STANDARD OIL CA, SHOT 06-01	1955	U	160	60	--	--	--	--	--	--	--		C
30N/03W-21A01	SMITH	10/10/1973	H	29	46	46	1.00	--	O	20	2.0	2.0	G	C
30N/03W-21R01	CITY OF SEQUIM, SEWAGE PLT	06/17/1969	--	45	201	201	0.00	196	S	72	24.0	4.0	G	U
30N/03W-21D01	HOLGERSON, HILL	10/03/1979	H	90	230	230	58.00	--	O	60	15.0	3.0	G	U
30N/03W-21H01	BAYWOOD VILLAGE	02/10/1970	P	140	298	298	95.00	--	D	19	0.5	1.5	G	C
30N/03W-21H02	DOWNIE	05/21/1974	H	145	265	265	113.00	--	O	9.0	0.2	--	G	C
30N/03W-21H03	EATON, RAY	09/10/1968	H	145	327	327	115.00	--	O	15	3.0	--	G	U
30N/03W-21H04	WILSON, GEORGE	12/02/1963	H	100	245	245	66.00	240	S	15	0.3	--	G	U
30N/03W-21K01	BOSTROM, DON	--	H	168	117	117	99.00	103	P	17	17.0	4.0	G	C
30N/03W-21K02	CABRAGE	11/21/1975	H	155	162	142	60.00	159	S	20	0.3	--	G	U
30N/03W-21K03	STEEL, DON	07/15/1976	H	147	280	280	107.50	--	O	6.0	0.1	3.0	G	C
30N/03W-21L01	SPRAGUE BROS	07/26/1969	H	125	232	232	90.00	227	S	18	0.5	--	G	U
30N/03W-21M01	BAKER	10/06/1975	H	120	--	117	13.00	65	S	6.0	0.1	--	G	C
30N/03W-22F01	MONTGOMERY, MRS P C	06/29/1967	H	125	265	265	112.00	260	S	18	0.8	--	G	U
30N/03W-22K01	BATELLE NW LABS 1900	1900	H	10	634	355	4.00+	--	--	20	0.5	--		C
30N/03W-22K02	BATELLE NW LABS	02/13/1981	N	10	416	416	0.00	399	S	190	5.0	24.0	G	U
30N/03W-22M01	ZAHN	04/25/1969	H,I	170	333	333	137.00	327	S	18	1.4	0.5	G	U
30N/03W-22M02	DILTZ, DARLENE	02/23/1979	H	170	235	232	134.00	227	S	10	0.1	4.0	G	U
30N/03W-22N03	MAUPIN, LEONARD W	06/01/1964	H	170	232	232	135.00	227	S	12	1.0	2.0	G	U
30N/03W-22N01	EBERLY 1959	1959	H	205	--	179	150.00	--	--	5.0	0.3	2.0	G	C
30N/03W-23A01	SIMONS, LANGDON	08/20/1979	H	85	113	112	80.00	107	S	92	61.3	6.0	G	U
30N/03W-23H01	SIMONS, LANGDON 1950	1950	H	40	--	107	30.00	--	S	--	--	--		C
30N/03W-23H02	SIMONS, LANGDON	11/15/1962	H	60	171	150	49.00	145	S	7.0	0.1	--	G	U
30N/03W-23H03	SIMONS, LANGDON	--	H	70	160	149	60.00	144	S	5.0	0.1	--	G	U
30N/03W-24N01	GALGANO	12/10/1974	H	30	25	25	7.00	22	S	11	1.1	--	G	C
30N/03W-25C02	HUDSON, GOLDEN	07/25/1979	H	83	99	99	79.50	94	S	20	20.0	1.0	G	U
30N/03W-25F01	STEEBY, CHESTER 1951	1951	H	100	--	186	33.00	--	O	--	--	--		C
30N/03W-25G01	LYNCH, DR P A	12/08/1973	H	120	191	191	114.00	187	S	8.0	0.7	10.0	G	C
30N/03W-25H01	HILLIKER, ART	07/21/1980	U	280	270	270	--	--	O	--	--	--	G	U
30N/03W-25P01	BEPPY, FRANK	07/23/1958	P	40	78	78	39.00	65	P	15	1.0	--	G	U
30N/03W-27R01	WHITFIELD	05/ /1955	H	50	66	66	35.00	--	O	9.0	0.8	--	G	C
30N/03W-27R02	SPATH, L M	--	H	40	--	64	25.30	--	--	--	--	--		C
30N/03W-27R03	EVANS, FRED G	--	H	25	--	8	2.99	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/03W-27R04	FULLERTON, LEE	--	H	50	65	65	40.00	62	S	3.0	3.0	1.5	G	C
30N/03W-27R05	HERBERT, ED	05/18/1978	H	60	68	68	39.00	--	O	8.0	0.4	--	G	U
30N/03W-27C01	MCCOPIE	--	H,S	140	--	35	--	--	--	--	--	--		C
30N/03W-27D01	AKERS	01/10/1975	H	220	300	300	40.00	90	P	--	--	--	G	U
30N/03W-27D02	CUPT, CARL J	04/09/1979	H	220	160	160	51.00	92	P	2.0	0.1	15.0	G	U
30N/03W-27G01	ROWDEN, J A	04/15/1974	H	35	40	40	16.00	--	O	20	3.3	1.0	G	U
30N/03W-27G02	HELLIESEN, HAROLD	12/26/1966	H	25	72	72	11.00	--	O	9.2	0.2	--	G	U
30N/03W-27K01	STANDARD, JAMES F	11/02/1978	U	90	180	180	D	--	--	0.00	0.0	--	G	U
30N/03W-27K02	STANDARD, JAMES	03/24/1979	H	80	43	43	30.00	--	O	12	12.0	1.5	G	U
30N/03W-27K03	STANDARD, JAMES F	11/04/1978	U	40	80	80	D	--	--	0.00	0.0	--	G	U
30N/03W-27M01	SEQUIM BAY LAND, JOHN WAYNE	12/19/1977	P	175	161	161	109.00	151	S	70	9.5	8.0	G	U
30N/03W-27M02	STANDARD OIL CA, SHOT 06-09	1955	U	220	120	--	--	--	--	--	--	--		C
30N/03W-27M03	STANDARD OIL CA, SHOT 06-10	1955	U	210	120	--	--	--	--	--	--	--		C
30N/03W-27M04	STANDARD OIL CA, SHOT 06-11	1955	U	200	120	--	--	--	--	--	--	--	G	C
30N/03W-27Q01	SCHENCK, PHIL	--	H	5	--	15	4.00	--	O	--	--	--		C
30N/03W-28C01	ZANGARA, MIKE	--	H	175	104	104	28.00	--	O	12	0.2	--	G	C
30N/03W-28C02	STANDARD OIL CA, SHOT 06-04	1955	U	200	195	--	--	--	--	--	--	--	G	C
30N/03W-28D01	STANDARD OIL CA, SHOT 06-03	1955	U	175	170	--	--	--	--	--	--	--	G	C
30N/03W-28D02	PIERCE, KENNETH H	01/02/1981	H	200	335	335	86.00	--	O	5.0	0.1	2.0	G	U
30N/03W-28G01	SEQUIM CONG. OF, JEHOVAHSW	10/17/1980	H	260	46	45	26.00	40	S	0.50	0.1	2.0	G	U
30N/03W-28H01	TRIPP	1948	U	220	--	400	189.30	--	--	--	--	--		C
30N/03W-28K01	MARTIN	11/18/1974	H	250	145	145	6.50	36	P	6.5	0.1	--	G	U
30N/03W-28M01	WALLA-1, DONALD	07/12/1977	U	540	200	200	D	--	X	0.00	0.0	--	G	U
30N/03W-28M02	WALLA-2, DONALD	09/02/1977	U	540	130	130	D	17	P	0.00	0.0	--	G	U
30N/03W-28Q01	FISHER, RUSKIN	07/10/1980	H	400	140	140	7.00	36	X	0.75	0.0	2.0	G	U
30N/03W-28Q02	FISHER, RUSKIN	08/02/1980	H	400	200	200	57.00	37	X	1.8	0.0	--	G	U
30N/03W-28R01	COOMBS, KENNY	02/16/1981	H	280	215	215	104.00	60	X	1.5	0.0	--	G	U
30N/03W-29A01	HERRETT	08/29/1970	H	220	113	113	90.00	109	S	10	0.4	1.0	G	C
30N/03W-29A02	ANDERSON, WAYNE	09/15/1969	H	200	90	90	67.00	85	S	10	0.7	--	G	U
30N/03W-29F01	JOHNSON, DR RUNAR	10/08/1980	H	340	244	243	199.00	238	S	14	3.5	3.0	G	U
30N/03W-29F02	SPARROW, KENNETH	10/15/1980	H	300	60	58	40.00	50	S	10	5.0	3.0	G	U
30N/03W-30A01	ROSAND, ARTHUR	02/ /1961	H	245	151	151	--	--	O	12	4.0	--	G	U
30N/03W-30D01	SOUTHERLUND	05/30/1974	H	300	172	172	47.00	169	S	20	0.3	--	G	C
30N/03W-30D02	LURENSON	03/ /1947	H,I	300	--	20	3.00	--	--	--	--	--		C
30N/03W-30D03	REVARD, CARL	04/02/1976	H	300	100	100	47.00	92	S	8.0	0.2	1.5	G	C
30N/03W-30D04	FLEGEL, FRITZ	10/05/1978	H	305	120	119	46.00	114	S	65	--	1.5	G	U
30N/03W-30D05	PETERSON, JON C	04/13/1979	P	290	185	185	125.00	180	S	50	2.8	3.2	G	C
30N/03W-30D06	RUPP, TED	01/17/1979	H	300	90	90	50.00	85	S	12	0.6	1.5	G	U
30N/03W-30D07	ODELL, EDDIE	12/03/1972	H	300	142	142	47.00	125	S	25	1.7	--	G	U
30N/03W-30G01	SEQUIM REALTY	--	U	380	370	370	D	--	--	0.00	0.0	--	G	U

TABLE 6.--continued.

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30N/03W-30H01	GERHARDT	02/04/1975	U	400	265	265	D	--	--	0.00	0.0	--	G	U
30N/03W-30H02	GERHARDT	02/20/1975	H	360	66	66	4.00+	--	O	1.0	0.0	--	G	C
30N/03W-30J01	HINKER, FRED	09/16/1976	H	470	27	27	2.25	17	S	5.0	0.4	4.0	G	U
30N/03W-30J02	LILE, AUDREY N	08/12/1977	H	420	110	110	34.00	105	S	12	--	--	G	U
30N/03W-30K01	BELCHER, RUTH	10/22/1979	H	390	199	199	9.00	35	X	4.0	0.0	2.5	G	U
30N/03W-30K02	POMEROY, HAROLD	05/01/1980	H	430	63	57	5.00	53	S	55	3.7	--	G	U
30N/03W-30L01	ELLISON, JOHN	11/25/1974	H	495	64	64	35.00	--	O	13	--	--	G	C
30N/03W-30L02	--	--	U	430	500	--	D	--	--	--	--	--		C
30N/03W-30M01	SMITH, RON	04/17/1981	H	410	79	79	22.00	71	P	40	0.9	2.5	G	U
30N/03W-30Q01	KING, ROY	10/16/1974	H	500	125	113	44.00	113	X	2.0	0.0	--	G	U
30N/03W-30Q02	BLIEMEISTER, BUD	06/22/1979	H	490	78	78	20.00	--	O	6.0	--	1.0	G	U
30N/03W-30Q03	DEMARCE, BRIAN	01/30/1973	H	500	89	89	45.00	84	S	9.0	0.5	--	G	U
30N/03W-30Q04	KING, ROY	05/19/1981	H	500	100	93	66.00	86	S	30	2.0	1.0	G	U
30N/03W-30P01	WILLIS, HAROLD	1948	H,I	510	65	65	50.00	50	S	38	460.0	3.0		U
30N/03W-30R02	LIDDLE, BILL	07/12/1974	H	490	93	93	19.00	90	S	30	1.2	--	G	U
30N/03W-30P03	SHOLDS, JEFF	06/11/1979	H	495	84	84	38.00	--	O	17	17.0	1.5	G	U
30N/03W-30Q04	OLSEN, C A	09/ /1959	H	510	78	78	49.00	73	S	15	1.2	1.5	G	U
30N/03W-31A01	BERGER	08/10/1961	H	500	48	48	3.00	--	O	25	1.4	2.0	G	U
30N/03W-31R01	JOHNSTON, RICHARD L	03/08/1978	H	515	185	28	--	--	O	2.0	--	--	G	U
30N/03W-31R02	PEARSON, FORREST	07/07/1975	H	530	160	67	22.00	62	S	4.0	0.1	2.0	G	U
30N/03W-31R03	HAGEN, PETER	09/21/1965	H	550	98	98	20.00	--	O	20	0.3	--	G	U
30N/03W-31C01	SEYMOUR, ROY E	10/28/1975	H	525	54	54	9.00	49	S	15	0.6	2.0	G	U
30N/03W-31C02	SILVERTHORN, WILLIAM	07/15/1975	H	525	41	41	4.00	--	O	20	2.9	--	G	U
30N/03W-31C03	BUSS, JAMES	08/16/1972	H	530	42	42	0.00	--	O	50	7.1	--	G	U
30N/03W-31C04	BUSS, HENRY	03/10/1972	H	530	76	76	33.00	--	O	6.0	0.2	--	G	U
30N/03W-31C05	DAVIS, V O	08/01/1972	H	530	105	26	--	13	P	3.0	--	--	G	U
30N/03W-31D01	PINSON, WILLIAM	06/12/1974	H	500	51	51	2.50	44	S	12	0.4	--	G	U
30N/03W-31D02	READER, CAROL	06/14/1974	H	520	41	41	5.00	--	O	40	2.7	--	G	C
30N/03W-31D03	TOMIETTI, BILL	01/30/1981	H	490	29	29	4.00	24	S	10	0.5	--	G	U
30N/03W-31E01	FULLER, GEORGE	01/30/1974	H	520	84	84	1.00	--	O	20	0.2	1.0	G	U
30N/03W-31E02	MCKINNEY, C L	09/ /1974	H	525	34	34	10.00	--	O	15	1.5	3.0	G	U
30N/03W-31E03	JOHNSON, HARRY A	01/18/1974	H	530	64	64	4.00+	--	O	60	1.4	--	G	U
30N/03W-31E04	MC CLEES, JAMES	10/25/1974	H	530	61	61	11.50	56	S	36	1.6	--	G	U
30N/03W-31E05	KNIGHT, AL	10/03/1974	H	530	137	137	29.00	134	S	12	0.1	--	G	U
30N/03W-31E06	WINANS, MARVIN	02/05/1973	H	530	80	80	17.00	75	S	13	0.3	--	G	U
30N/03W-31J01	DUBUQUE, PETER	--	H	580	--	12	8.63	--	--	--	--	--		C
30N/03W-31J02	DEBUQUE, PETER	--	H	580	--	--	26.65	--	--	--	--	--		C
30N/03W-31J03	DEWEY, DONALD G	02/18/1967	H,I,S	583	92	92	23.00	87	S	100	2.5	3.0	G	U
30N/03W-31J04	ARCHAMBAULT, DARWIN	12/19/1979	H	580	48	48	0.00	--	O	30	1.5	--	G	U
30N/03W-31K02	PERKEY, GLEN L	11/24/1976	H	580	40	40	3.00	37	S	8.0	0.4	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/03W-31K03	KING, HOWARD	06/27/1977	H	580	62	62	7.00	57	S	20	0.7	2.0	G	U
30N/03W-31K07	BOGGS, WILLIAM A	07/13/1977	H	610	82	82	13.00	78	S	30	0.7	--	G	U
30N/03W-31M01	KING, HOWARD	06/21/1977	U	560	73	73	D	--	--	0.00	0.0	--	G	U
30N/03W-31M02	HENNIGE, FRED	06/17/1977	H	560	67	67	7.00	62	S	30	0.8	2.0	G	U
30N/03W-31M03	PEARSON, FORREST	05/19/1971	H	560	150	150	13.00	78	P	15	0.3	--	G	U
30N/03W-31P01	EMERSON, KENNETH	05/02/1979	H	680	109	98	81.00	93	S	10	1.2	2.0	G	U
30N/03W-31Q01	SCOTT, VINCEL C	04/20/1976	H	660	126	126	10.75	35	P	9.0	0.5	2.0	G	U
30N/03W-31R01	FURGASON, BOB	10/14/1977	H	662	171	171	115.00	--	O	8.0	0.2	--	G	C
30N/03W-32D01	LAURESON	1935	H	520	--	90	--	--	--	--	--	--		C
30N/03W-32D02	MIKKELSEN, WALTER	12/12/1980	H	510	80	40	6.00	24	P	1.5	0.1	2.0	G	U
30N/03W-32D03	ROGERS, JAMES	01/12/1981	H	510	33	33	7.00	--	D	30	--	1.0	G	U
30N/03W-32D04	FAILOR, RICHARD O	11/17/1980	U	510	270	270	D	--	--	0.00	0.0	--	G	U
30N/03W-32D05	FAILOR, RICHARD O	12/05/1980	H	510	78	78	0.00	73	S	1.5	0.0	4.0	G	U
30N/03W-32F01	HALLER, ALBERT	04/01/1970	P	540	118	118	23.00*	107	S	80	1.7	4.0	G	U
30N/03W-32Q01	HUGHES, ROBERT R	11/11/1967	H,I	690	201	201	100.00	--	S	--	--	--	G	U
30N/03W-32R01	DEL HUR INC 2	11/ /1972	I	644	185	185	70.00	135	P	260	76.0	--	G	C
30N/03W-33L01	BOYLE-1, JOE	10/27/1977	U	680	140	140	D	--	--	0.00	0.0	--	G	U
30N/03W-33L02	BOYLE-2, JOE	10/27/1977	U	680	60	60	D	--	--	0.00	0.0	--	G	U
30N/03W-33N01	DEL HUR INC	03/23/1974	H	625	101	100	65.00	76	S	70	8.5	3.0	G	U
30N/03W-33P01	BLUME, ART 5	04/05/1977	H	620	150	150	114.33	145	S	18	--	1.5	G	U
30N/03W-34A01	SANTTI, VERA	02/27/1974	H	60	258	258	26.00	46	X	15	0.1	2.0	G	C
30N/03W-34A02	NEAL, RANDY	04/22/1977	H	80	86	86	49.50	60	P	30	3.0	--	G	U
30N/03W-34R01	BLANK, ALVIN	10/17/1979	H	100	340	300	31.00	40	X	0.50	0.0	1.0	G	U
30N/03W-34R02	BLANK, ALVIN	10/25/1979	H	160	320	320	70.00	60	P	0.75	0.0	1.0	G	U
30N/03W-34R03	BLANK, ALVIN	11/05/1979	H	115	268	268	24.00	246	P	10	0.1	1.5	G	U
30N/03W-34R04	BAKER, MELVIN J	02/11/1974	H	160	320	320	70.00	50	X	2.5	0.0	2.0	G	U
30N/03W-34F01	GOULD, ROBERT	04/11/1977	H	370	261	260	250.00	--	--	10	10.0	--	G	U
30N/03W-34F01	DEVINE, DAN E	05/07/1979	H	360	183	180	29.00	160	X	5.0	--	2.0	G	U
30N/03W-34J01	HOWARD, DR. ROBERT	07/30/1929	U	150	297	297	--	52	X	--	--	--	G	U
30N/03W-34K01	BODY, DENNIS E	03/14/1978	H	405	104	104	12.00	21	X	1.0	--	--	G	U
30N/03W-34K02	BONAR, LEONARD J D	02/20/1974	H	380	265	265	125.00	46	X	6.5	0.1	2.0	G	U
30N/03W-34K03	WALKER	03/12/1974	H	380	285	285	21.00	38	X	3.0	0.0	2.0	G	U
30N/03W-34K04	BAKER, MELVIN	04/17/1974	H	380	270	270	24.00	44	X	18	0.2	0.5	G	U
30N/03W-34K06	DORREL, FRED J	04/09/1980	H	405	160	160	28.00	120	P	60	--	1.0	G	U
30N/03W-34L01	PACE, FRANK	02/13/1976	H	350	310	310	88.00	180	P	0.80	0.8	--	G	U
30N/03W-34Q01	PEARSON, LLOYD	04/20/1978	U	335	340	340	D	--	--	0.00	0.0	--	G	U
30N/03W-35F01	MICHLIDGE, H	10/07/1974	H	60	370	370	22.95	38	X	4.0	--	--	G	C
30N/03W-35F02	JOHNSON, ROBERT	11/10/1978	H	60	380	380	45.00	59	X	1.0	--	--	G	U
30N/03W-35F03	BASIC, DON	01/25/1980	H	60	117	117	14.00	108	X	2.0	--	1.0	G	U
30N/03W-35F04	KASTNER, LEWIS	11/06/1975	H	90	186	170	80.00	155	S	9.0	0.2	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUOF OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/03W-35F05	BLANK, RALPH	09/10/1964	H	60	268	268	20.00	25	X	8.0	0.1	--	G	U
30N/03W-35M01	MULDER, R. H	03/ /1968	H	95	--	108	94.78	40	P	1.0	--	--		C
30N/03W-35M03	BELL, JIM	05/19/1975	H	90	460	460	47.00	55	P	1.0	0.2	2.0	G	U
30N/03W-35M04	BARKER	1963	H	50	370	370	40.00	34	X	1.7	--	--	G	U
30N/03W-35N01	STAUFFER, PAUL	05/02/1978	H	150	260	260	137.00	59	X	0.33	--	--	G	U
30N/03W-36F01	GUNSTONE, CHARLES	1950	H	40	--	--	50.98	--	--	--	--	--		C
30N/03W-36F02	MACAULEY, ROBERT	11/19/1975	H	85	93	87	63.50	82	S	15	5.0	3.0	G	C
30N/03W-36F03	GERAGHTY, DR.THOMAS	07/16/1979	H	87	110	110	93.00	--	O	15	--	1.5	G	U
30N/03W-36F04	GUNSTONE	10/06/1972	H	75	89	89	71.00	--	O	7.0	7.0	--	G	U
30N/03W-36F05	BURNETT, J J	--	H	95	--	110	76.50	--	--	--	--	--		C
30N/03W-36J01	WILLIAMS, LOUIS	10/26/1974	H	140	77	77	F	28	P	10	0.2	--	G	U
30N/03W-36M01	EDERER, JOHN	06/21/1978	H	80	123	123	80.00	118	S	18	2.2	4.0	G	C
30N/03W-36L01	ANDERSON, RICHARD C	03/16/1978	H	85	118	118	80.00	--	O	3.0	0.2	4.5	G	C
30N/03W-36L02	ENG, FE	10/28/1975	H	60	78	77	51.00	72	S	5.0	0.2	2.0	G	C
30N/04W-01C01	STANDARD OIL CA, SHOT 07-07	1955	U	80	60	--	--	--	--	--	--	--	G	C
30N/04W-01E01	OSBORN, GARY	02/12/1979	H	50	32	32	12.00	--	O	12	1.0	1.5	G	U
30N/04W-01F01	STANDARD OIL CA, SHOT 07-06	1955	U	60	100	--	--	--	--	--	--	--	G	C
30N/04W-01F02	STANDARD OIL CA, SHOT 07-05	1955	U	110	90	--	--	--	--	--	--	--	G	C
30N/04W-01J02	ZBARASCHUK	08/04/1975	H	120	140	140	105.00	135	S	20	20.0	2.0	G	U
30N/04W-01J03	GINGRICH, INEL	06/08/1977	H	120	141	141	110.00	137	S	20	--	1.5	G	U
30N/04W-01J04	FRITZ, S A	07/04/1974	H	150	153	153	118.00	--	O	20	1.7	--	G	U
30N/04W-01J05	BALKAN, MIKE	08/12/1976	H	155	151	151	113.67	146	S	20	--	1.5	G	U
30N/04W-01J06	WILLIS, JOHN	09/08/1976	H	155	68	68	38.00	63	S	15	5.0	2.0	G	U
30N/04W-01J07	WALKER, FRED	06/07/1979	H	155	87	87	71.00	--	O	12	12.0	1.5	G	U
30N/04W-01K01	LEWIS, CHARLES D	12/11/1953	H	140	143	142	99.00	--	O	40	4.0	--	G	C
30N/04W-01K02	FOREST RIDGE	10/04/1978	P	130	139	139	99.00	129	S	76	9.0	3.2	G	U
30N/04W-01K03	ALDRICH, KIRK	06/29/1977	H	125	93	93	71.00	--	--	25	2.5	--	G	C
30N/04W-01K04	HANKES, WILLARD	05/26/1978	H	135	130	130	116.00	124	S	12	--	--	G	U
30N/04W-01K05	ZIMMERMANN, GEORGE L	10/28/1969	H	130	137	137	104.00	132	S	25	25.0	2.0	G	U
30N/04W-01L01	STANDARD OIL CA, SHOT 07-04	1955	U	125	80	--	--	--	--	--	--	--	G	C
30N/04W-01L02	STANDARD OIL CA, SHOT 07-03	1955	U	115	100	--	--	--	--	--	--	--	G	C
30N/04W-01L03	MADRONA HEIGHTS, FIANDER	05/19/1973	P	75	70	70	24.15	65	S	100	100.0	2.0	G	C
30N/04W-01L04	FIANDER	10/27/1969	P	125	300	162	60.00	--	S	20	--	--	G	C
30N/04W-01M01	WASH. STATE, DPT.FISHRS	07/31/1975	Q	67	130	118	6.50	37	S	1147	34.7	4.0	G	C
30N/04W-01M02	WASH. STATE, DPT.FISHRS	09/05/1975	Q	73	133	130	14.40	--	O	--	--	--	G	C
30N/04W-01M03	MACDONALD, BOB	1969	H	72	93	93	10.20	17	P	30	12.0	--	G	C
30N/04W-01M04	WASH.STATE, DPT.FISHRS	1974	U	69	134	134	6.00	--	--	--	--	--	G	C
30N/04W-01N01	HURO	--	H	81	--	39	10.10	--	O	--	--	--		C
30N/04W-01N02	GAULT	--	H	74	--	18	11.15	--	--	--	--	--		C
30N/04W-01N03	DAVIS	--	H	82	--	23	9.57	--	O	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-01N04	BARRETT, BOB	--	H	125	104	104	65.00	--	O	30	1.5	--	G	C
30N/04W-01N05	WASH.STATE, DPT.FISHRS	03/20/1981	H	75	54	54	22.00	48	S	40	13.3	3.0	G	U
30N/04W-01P01	STRUMBAUGH, RICHARD	05/18/1978	H	125	110	110	58.00	--	O	20	6.7	3.0	G	U
30N/04W-01P02	CAPRONI	--	H	120	--	99	63.00	--	O	--	--	--		U
30N/04W-01Q01	ONEILL	01/29/1974	H	120	88	88	57.50	--	O	18	--	--	G	U
30N/04W-01Q02	MEYER 1	02/03/1978	H	121	89	89	69.00	--	O	15	2.5	--	G	U
30N/04W-01Q03	ANDERSON, TERRY	12/30/1976	H	130	92	92	63.00	--	O	12	--	2.0	G	U
30N/04W-01Q04	ELLIS, DON	03/06/1980	H	125	84	84	69.00	--	O	18	18.0	--	G	U
30N/04W-02D01	STANDARD OIL CA, SHOT 01-13	1955	U	70	40	--	--	--	--	--	--	--	G	C
30N/04W-02F01	STANDARD OIL CA, SHOT 01-14	1955	U	70	120	--	--	--	--	--	--	--	G	C
30N/04W-02F02	MILLET, LAMAR	11/15/1979	H	65	40	40	4.00	35	S	50	50.0	--	G	U
30N/04W-02M01	SCHMUCK, HANS	--	H,S	70	--	51	8.64	--	--	--	--	--		C
30N/04W-02M02	STANDARD OIL CA, SHOT 01-15	1955	U	70	70	--	--	--	--	--	--	--	G	C
30N/04W-02M03	STANDARD OIL CA, SHOT 01-16	1955	U	70	135	--	--	--	--	--	--	--	G	C
30N/04W-02M05	MAHAN	09/17/1975	H	70	239	239	15.00e	232	S	20	0.1	--	G	C
30N/04W-02N01	STANDARD OIL CA, SHOT 01-17	1955	U	75	120	--	--	--	--	--	--	--	G	C
30N/04W-02N02	MILLS, DONALD F	09/27/1978	H	80	180	180	F	175	S	30	1.0	3.0	G	C
30N/04W-02P01	MANTLE, REX J	--	H,S	82	10	10	5.16	--	--	50	12.5	--	G	C
30N/04W-02R01	WHEELER	04/22/1969	I	77	62	62	9.00	25	P	500	45.0	1.0	G	C
30N/04W-02P02	DUNGENESS, MINT FARM	05/15/1969	I	75	90	90	9.00	30	P	500	55.6	--	G	U
30N/04W-03A01	MCGARRY, JAMES	12/20/1970	H	100	80	80	43.00	75	P	30	60.0	--	G	U
30N/04W-03B01	FOGERLAND, G O	05/ /1968	H	110	98	98	75.00	--	O	18	18.0	--	G	U
30N/04W-03C01	LEMCKE	11/06/1975	H	100	69	69	46.00	--	O	40	13.0	--	G	U
30N/04W-03D01	MICHAEL, RUSSELL	03/29/1978	H	85	56	56	24.50	51	S	30	--	--	G	C
30N/04W-03D02	WILCH, HOWARD	12/20/1978	H	95	208	208	39.00	--	O	55	1.2	1.5	G	U
30N/04W-03D03	KUNZ, ROGER	01/28/1981	H	95	68	68	37.00	--	O	35	3.5	--	G	U
30N/04W-03D04	BROWN, ALBERT J	12/13/1969	H	95	77	77	45.00	--	--	18	18.0	--	G	U
30N/04W-03H01	SCHREINER, JAMES	--	H	72	--	40	3.20	--	--	--	--	--		C
30N/04W-03H02	COFFEL, TOM	10/13/1976	H	89	75	75	36.00	70	S	20	20.0	2.0	G	C
30N/04W-03H03	LOWICKI, ED	03/02/1978	H	86	61	61	25.00	58	S	25	6.2	1.5	G	C
30N/04W-03H04	COFFEL, TOM	08/03/1978	H	86	56	56	27.00	51	S	10	10.0	1.5	G	C
30N/04W-03H05	LAVENDER	03/12/1969	H,I,S	71	65	65	5.00	--	--	60	30.0	--	G	C
30N/04W-03H06	COFFEL, TOM	02/22/1979	H	75	63	63	24.00	58	S	12	0.5	2.0	G	U
30N/04W-03J01	HARTMAN, LAVERNE	05/20/1978	U	175	178	178	2.00	173	S	6.0	--	4.0	G	C
30N/04W-03J02	LANGDON, A W	11/29/1979	H	75	47	47	5.00	--	O	50	2.5	1.5	G	U
30N/04W-03J03	BAILLEY, WARREN	06/16/1969	H	75	40	40	6.00	--	O	30	4.3	--	G	U
30N/04W-03N01	NOMBALAIS, FRANK	06/29/1977	H	115	66	66	23.00	61	S	11	0.4	2.0	G	U
30N/04W-03P01	SCHMITTPOTH	09/05/1975	H	125	188	188	16.00	185	S	10	--	--	G	U
30N/04W-03Q01	MT VISTA COUNTRY CLUB, COUNTRY C	05/18/1973	P	108	265	249	5.00	234	S	40	2.0	--	G	C
30N/04W-03P01	BUCIGLIA, C	02/05/1971	H	85	44	44	4.00	--	O	30	3.8	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-03P02	NEAVILLE, CLINTON R	09/13/1968	H	85	45	45	2.00	--	O	15	1.5	--	G	U
30N/04W-04L01	WICKMAN, JAMES A	02/28/1969	H,I	120	79	76	48.50	72	S	25	12.5	1.0	G	U
30N/04W-04L02	STRANDSKOV, HERB	04/12/1974	H	121	72	56	38.00	54	S	10	--	--	G	C
30N/04W-04L03	BARRER, LLOYD F	02/10/1981	H	120	96	95	47.00	88	S	30	6.0	--	G	U
30N/04W-04M01	BROOKE	04/21/1975	H	120	105	105	52.00	100	S	35	35.0	2.0	G	U
30N/04W-04M02	EVANS	08/08/1974	H	120	108	108	42.00	101	S	40	1.5	5.0	G	U
30N/04W-04M03	MCHUGH	05/08/1974	H	120	114	114	83.60	--	D	25	--	--	G	U
30N/04W-04N01	OLSTEAD, HAROLD L	--	H	124	--	51	27.89	--	--	--	--	--		C
30N/04W-04N02	ANDERSON, PAUL	11/08/1978	H	125	57	57	33.00	52	S	35	11.7	--	G	U
30N/04W-04N03	GILKISON	04/08/1974	H	120	99	99	75.00	--	O	18	--	--	G	U
30N/04W-04N04	GAYMEN, MERLIN	01/13/1981	H	125	70	70	36.00	65	S	20	1.1	--	G	U
30N/04W-04P01	OLSON	--	S	123	--	49	32.92	--	--	--	--	--		C
30N/04W-04P01	MATRIOTTI	12/23/1974	P	120	86	86	41.00	76	S	250	13.6	4.2	G	U
30N/04W-05G01	NEWELL	04/18/1962	H	105	125	125	94.00	--	S	25	2.5	1.0	G	U
30N/04W-05G02	FRENCH, MILTON	11/04/1976	H	85	114	114	82.00	109	S	15	7.5	2.5	G	U
30N/04W-05J01	OLSON, EDGAR H	05/29/1973	H	118	117	117	73.66	--	S	30	5.0	--	G	C
30N/04W-05J02	HALL, PHILLIP	12/18/1976	H	110	111	111	53.00	106	S	30	--	1.5	G	C
30N/04W-05J03	SMITH, MIKE	05/11/1978	H	110	60	60	28.00	55	S	22	1.6	--	G	U
30N/04W-05J04	SPICKERMAN, CLARENCE	07/19/1976	H	110	118	118	44.00	112	S	20	0.7	3.0	G	U
30N/04W-05J05	ROBERTS, GUY	01/30/1976	H	125	108	108	70.50	103	S	30	6.0	--	G	U
30N/04W-05J06	SHRINER, LAMBERT	06/13/1979	H	110	88	88	65.00	--	O	20	5.0	--	G	U
30N/04W-05K01	NEWELL	07/01/1969	H	105	125	125	75.00	--	S	25	2.5	1.0	G	U
30N/04W-05K02	NEWELL	03/03/1975	H	100	120	120	95.50	115	S	15	6.0	1.5	G	U
30N/04W-05K03	CRAMER	01/18/1974	H	120	110	110	76.50	105	S	22	3.1	2.0	G	U
30N/04W-05L01	STUCKI, B. J	09/ /1964	H	116	--	126	116.00	--	D	5.0	--	--	G	C
30N/04W-05L02	POST, AUSTIN	1950	H	80	--	92	72.00	--	S	--	--	--		C
30N/04W-05L03	LEJEUNE, A J	04/20/1976	H	100	110	110	58.00	105	S	15	--	1.0	G	U
30N/04W-05M01	HUBER, LOUIS	--	H	120	--	108	97.22	--	--	--	--	--		C
30N/04W-05M02	DEULING, JIM	01/05/1981	H	120	70	70	45.00	65	S	40	40.0	--	G	U
30N/04W-05N01	LEWIS, O H W	--	H,S	128	--	95	81.00	--	--	--	--	--		C
30N/04W-05P01	MTN VIEW RNCHTS	04/14/1973	P	130	161	161	126.00	--	--	25	1.3	1.0	G	C
30N/04W-05Q01	HILLES, A	01/26/1978	H	130	117	117	83.00	112	S	16	0.7	--	G	U
30N/04W-05Q02	KOONZ, BOB	10/28/1977	H	130	110	110	--	106	S	20	0.3	--	G	U
30N/04W-05Q03	SIMPSON	01/05/1976	H	125	152	152	68.33	147	S	20	--	--	G	U
30N/04W-05Q04	HIPST, FLOYD	06/08/1979	H	125	175	158	70.00	152	S	18	0.3	1.5	G	U
30N/04W-05Q05	KENSEY, S G	11/06/1978	H	125	127	127	80.00	122	S	30	4.3	--	G	U
30N/04W-05Q06	RICHARDSON, ED	03/27/1975	H	125	114	114	86.00	111	S	18	1.4	--	G	U
30N/04W-06P01	BRYANT, FAYE	05/25/1977	H	125	142	142	115.00	--	O	15	1.3	--	G	U
30N/04W-06R02	BRYANT, FAYE	01/15/1979	H	125	151	151	115.00	--	O	25	1.7	--	G	U
30N/04W-07B01	FOWLER, MARVIN	03/21/1979	H	140	86	86	61.00	--	O	35	35.0	1.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-07C01	JEJEPPESEN, F B	09/18/1980	H	125	78	78	62.00	--	O	15	--	--	G	U
30N/04W-07F01	NIEMI, VAN	04/11/1980	H	150	80	76	68.00	--	O	5.0	3.3	1.5	G	U
30N/04W-07F01	NIEMI, ROY I	--	H	148	--	71	64.25	--	--	--	--	--		C
30N/04W-07F02	WRAY, GORDON	03/29/1978	H	155	108	108	64.00	103	S	34	8.5	1.5	G	U
30N/04W-07G01	MONTERRA INC	06/23/1971	P	150	221	221	103.00	109	P	250	3.6	24.0	G	C
30N/04W-07G02	MONTERRA 2	09/01/1976	P	150	221	221	131.00	89	P	104	2.5	6.0	G	C
30N/04W-07J01	SAUER	07/02/1974	H	162	164	163	90.00	160	S	30	1.3	2.0	G	U
30N/04W-07J02	NOVICH	09/18/1975	H	162	93	93	61.00	--	O	9.0	0.4	--	G	U
30N/04W-07K01	GRIMSLEY, D K	--	H	170	--	96	--	--	--	--	--	--		C
30N/04W-07K02	GOIN, TRESA	09/18/1972	H	170	117	113	59.00	108	S	20	2.5	2.5	G	U
30N/04W-07L01	MYERS	07/01/1974	H	156	92	92	60.60	--	O	30	--	--	G	C
30N/04W-07L02	MADIGAN, MICHAEL F	01/20/1968	H	165	102	102	56.00	--	O	18	6.0	--	G	U
30N/04W-07N01	STEPHENSON, LOUCILLE	10/27/1975	H	167	284	281	119.00	266	S	8.0	0.4	2.0	G	C
30N/04W-07P01	THORTON, JACK	12/14/1979	H	175	121	121	74.00	116	S	30	4.3	6.0	G	U
30N/04W-07P02	FISH, EDWARD R	12/07/1968	I	180	286	267	105.00	261	S	18	0.7	--	G	U
30N/04W-07Q01	NORRIS, HUGH W	03/07/1978	H	180	111	111	72.00	--	O	10	0.8	1.0	G	U
30N/04W-07Q02	PARKMAN, C H	05/06/1981	H	190	118	117	56.00	--	O	18	0.3	1.0	G	U
30N/04W-07R01	NILSSON, RODRIK	09/30/1972	H	190	123	123	70.00	--	O	30	4.3	--	G	U
30N/04W-08A01	WALLACKER	03/27/1974	H	135	108	108	55.00	103	S	25	8.3	1.5	G	U
30N/04W-08A02	WEYERHAEUSER, RESIDENCE	04/12/1973	--	132	136	136	54.70	--	O	20	2.0	--	G	C
30N/04W-08A03	KITTAICK, JIM	02/09/1981	H	135	110	109	76.00	104	S	13	0.7	3.0	G	U
30N/04W-08R01	CORWIN, MARGUERITE	06/16/1977	H	125	134	132	67.00	--	O	10	1.3	2.0	G	U
30N/04W-08R02	MCPHERSON, STEVEN C	01/28/1981	H	125	110	105	78.00	100	S	10	1.0	2.5	G	U
30N/04W-08F01	SMITH, JOEL C	11/30/1976	H	150	141	141	70.00	--	O	13	0.2	1.5	G	U
30N/04W-08F01	DURCO CONST., GEO.DURHAM	08/16/1978	H	146	91	91	65.00	86	S	12	12.0	1.5	G	U
30N/04W-08G01	BURDICK, W H	05/ /1960	H	140	104	98	65.00	--	O	10	1.7	--	G	C
30N/04W-08G02	CHRISTENSEN	06/27/1974	H	150	120	120	44.00	117	S	25	1.0	--	G	U
30N/04W-08J01	MAY, RUD	1960	H	158	56	56	38.00	51	S	17	1.3	--	G	C
30N/04W-08M01	STANDARD OIL CA, SHOT 18-04	1955	U	155	70	--	--	--	--	--	--	--	G	C
30N/04W-08M02	NETTLES	09/15/1975	H	165	89	84	35.00	81	S	35	1.2	--	G	U
30N/04W-08M03	EBHARDT, AARON	--	H	172	--	102	48.70	--	--	--	--	--		C
30N/04W-08M04	FINLEY, SAM	12/29/1978	H	170	84	84	22.00	79	S	18	0.4	1.5	G	C
30N/04W-08M05	EDSALL, RICHARD	04/06/1979	H	175	103	103	49.00	98	S	25	0.7	--	G	U
30N/04W-08M06	FARNAM	09/10/1974	H	165	100	100	38.00	--	O	14	0.6	--	G	U
30N/04W-08P01	WARBURTON, LEE C	05/30/1980	H	160	76	75	29.00	70	S	50	--	1.0	G	U
30N/04W-08R01	KEYS, FRANK	03/17/1979	H	165	69	69	21.00	64	S	30	2.5	1.5	G	U
30N/04W-09C01	CAMERON	1947	H,S	125	--	70	--	--	--	25	--	5.0		C
30N/04W-09C02	STANDARD OIL CA, SHOT 16-01	1955	U	130	100	--	--	--	--	--	--	--		C
30N/04W-09C03	CAMERON, HOWARD	--	I	125	--	60	--	--	--	--	--	--		C
30N/04W-09F01	WEYERHAEUSER CO, OFFICE	--	H	140	--	--	24.00	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-09E02	WEYERHAEUSER CO. IRRIGATION	1973	I	138	--	--	22.30	--	--	300	--	6.5		C
30N/04W-09F01	STANDARD OIL CA. SHOT 16-02	1955	U	130	105	--	--	--	--	--	--	--	G	C
30N/04W-09F02	STANDARD OIL CA. SHOT 16-03	1955	U	135	100	--	--	--	--	--	--	--	G	C
30N/04W-09F03	WEYERHAEUSER CO. IRRIGATION	1973	I	135	--	--	20.15	--	--	300	--	12.0		U
30N/04W-09K01	CAMERON. V W	--	H.S	140	--	22	9.63	--	--	--	--	--		C
30N/04W-09L01	STANDARD OIL CA. SHOT 16-04	1955	U	135	70	--	--	--	--	--	--	--		C
30N/04W-09L02	WEYERHAEUSER CO	02/27/1974	I	141	970	842	82.97	794	S	715	25.1	6.5	G	C
30N/04W-09N01	HUDKINS. FLOYD	11/10/1979	H	158	61	61	24.00	56	S	50	50.0	4.0	G	U
30N/04W-09N02	JOHNSON. LLOYD	11/28/1979	H	155	75	75	24.00	70	S	35	1.9	3.0	G	C
30N/04W-09P01	STANDARD OIL CA. SHOT 16-05	1955	U	145	50	--	--	--	--	--	--	--	G	C
30N/04W-09P02	STANDARD OIL CA. SHOT 16-06	1955	U	145	50	--	--	--	--	--	--	--	G	C
30N/04W-09R01	STANDARD OIL CA. SHOT 19-10	1955	U	130	50	--	--	--	--	--	--	--	G	C
30N/04W-10A01	CHARBONNEAU. M	02/21/1971	H	90	65	65	26.00	60	S	15	0.6	--	G	U
30N/04W-10A02	NELSON. EVERALD E	07/20/1969	H	95	45	45	3.00	--	O	17	1.1	--	G	U
30N/04W-10A03	XYDIAS. TED	04/09/1968	H	95	43	43	5.00	--	O	18	3.6	--	G	U
30N/04W-10B01	FROUDE. PAUL E	09/13/1972	--	115	78	77	17.00	66	S	70	2.2	--	G	U
30N/04W-10C01	MILES. DAVID	06/22/1976	H	110	67	60	6.50	56	S	25	0.8	--	G	C
30N/04W-10D01	SIEBENS. NORMAN	10/10/1967	I	120	67	67	7.00	62	S	50	3.3	--	G	U
30N/04W-10D02	WHEELER. C O	12/14/1967	I	125	54	54	4.00	49	S	9.0	0.5	--	G	U
30N/04W-10E01	DREILING. ALVIN	03/30/1977	H	115	50	50	17.50	47	S	35	2.3	--	G	U
30N/04W-10G01	BROWN. KEITH	04/04/1977	H	120	48	48	24.50	--	O	20	2.3	--	G	U
30N/04W-10H01	HEGGENES	07/17/1975	H	99	38	38	0.10+	--	O	35	2.1	--	G	C
30N/04W-10J01	ANDERSEN. WILLIAM T	06/14/1977	H	110	30	30	11.00	--	O	10	10.0	1.5	G	U
30N/04W-10J02	PETERSON. JERRY	08/25/1977	H	110	31	31	8.00	--	O	15	15.0	1.5	G	U
30N/04W-10K01	MCCUTCHAN	12/13/1965	H.I	120	31	31	7.00	--	O	18	2.3	1.0	G	U
30N/04W-10K02	GUNSTONE	06/18/1970	H	125	40	40	3.00	--	--	25	2.8	--	G	U
30N/04W-10K03	MCCUTCHAN. BLAINE R	01/15/1970	H	120	79	79	9.00	75	P	20	2.2	--	G	U
30N/04W-10L01	COOK	--	H	120	--	22	2.00	--	--	--	--	--		C
30N/04W-10L02	BARNES. ROBERT	02/19/1966	H	120	66	66	14.00	--	O	18	4.5	--	G	U
30N/04W-10L03	HALLER. HENRY	05/30/1966	H	125	47	47	11.00	--	O	34	6.8	--	G	U
30N/04W-10M01	SANFORD. JAMES R	01/19/1978	H	120	42	42	5.00	37	S	13	0.6	3.5	G	U
30N/04W-10M02	SCHNEIDER. ROBERT	05/08/1978	H	125	52	52	6.00	--	O	20	0.6	--	G	U
30N/04W-10M03	SWAPP. RICHARD	08/10/1978	H	120	45	45	5.00	--	O	20	1.8	1.5	G	U
30N/04W-10P01	HELLER	--	H.I	125	--	10	5.00	--	--	--	--	--		C
30N/04W-10Q01	STANDARD OIL CA. SHOT 19-05	1955	U	120	50	--	--	--	--	--	--	--	G	C
30N/04W-10Q02	SMITH. LLOYD	05/05/1976	H	135	82	82	11.00	76	S	65	5.4	2.0	G	C
30N/04W-10R01	STACEY	09/18/1972	H.I	121	61	61	6.00	56	S	15	15.0	--	G	U
30N/04W-10P02	STREGE	05/02/1974	H	121	67	67	11.00	60	S	40	1.7	1.0	G	U
30N/04W-10R03	WHITE	06/20/1974	H	121	33	33	10.00	--	O	25	8.3	0.5	G	U
30N/04W-10P04	BORN. GLENN E	09/ /1967	H	120	38	38	10.00	35	S	20	1.3	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-10R05	CORREIA, MARINO	03/28/1972	H	125	45	45	10.00	40	S	30	2.3	--	G	U
30N/04W-11A01	BALTZLY	04/28/1974	H	81	45	45	12.00	--	O	32	2.1	1.0	G	C
30N/04W-11A02	SIMONTON	12/01/1974	H	83	62	62	11.50	--	O	25	1.0	5.0	G	U
30N/04W-11D01	STANDARD OIL CA, SHOT 01-18	1955	U	95	140	--	--	--	--	--	--	--	G	C
30N/04W-11D02	STANDARD OIL CA, SHOT 01-19	1955	U	95	150	--	--	--	--	--	--	--	G	C
30N/04W-11E01	STANDARD OIL CA, SHOT 01-20	1955	U	100	160	--	--	--	--	--	--	--	G	C
30N/04W-11H01	RARDIN, JACK	07/10/1978	H	103	20	20	10.00	--	O	24	24.0	1.5	G	U
30N/04W-11H02	BURCKHARDT, S L	03/12/1980	H	105	27	27	5.00	--	O	20	2.0	1.5	G	U
30N/04W-11J01	GILPERTSON, GIL	04/01/1977	H	122	76	76	20.00	--	O	20	--	1.5	G	C
30N/04W-11J02	AXELSEN, MIKE	01/06/1981	H	120	71	71	17.75	--	O	30	--	--	G	U
30N/04W-11K01	SANDERS, HARRY M	05/31/1978	H	115	30	30	12.00	--	O	30	--	--	G	U
30N/04W-11L01	CAREY, J J	--	H	110	--	16	12.00	--	--	--	--	--		C
30N/04W-11L02	STANDARD OIL CA, SHOT 01-21	1955	U	110	50	--	--	--	--	--	--	--	G	C
30N/04W-11L03	LARSEN, LOU	06/07/1979	H	110	41	41	6.00	--	O	50	3.3	--	G	U
30N/04W-11L04	SHOLD	04/13/1978	H	110	36	36	10.00	--	O	35	3.5	--	G	C
30N/04W-11N01	STANDARD OIL CA, SHOT 01-23	1955	U	125	50	--	--	--	--	--	--	--	G	C
30N/04W-11P01	STANDARD OIL CA, SHOT 01-22	1955	U	115	50	--	--	--	--	--	--	--	G	C
30N/04W-11P02	SMITH, RON	06/03/1976	H	125	38	38	13.00	--	O	50	6.3	--	G	U
30N/04W-11P03	BEHRENFELD, DOUG	06/01/1977	H	125	53	53	14.50	--	O	30	1.3	--	G	U
30N/04W-11P04	SMITH, RON	12/09/1977	H	125	32	32	13.00	--	O	45	22.0	--	G	U
30N/04W-11P05	MORRISON, DAVE	02/23/1979	H	125	37	37	14.00	--	O	25	1.9	--	G	U
30N/04W-11P06	TORMALA	09/02/1975	H	130	55	55	16.00	--	O	12	--	--	G	U
30N/04W-11P07	MICHEL, MARVIN	06/17/1965	I	125	50	50	12.00	24	P	60	30.0	--	G	U
30N/04W-11P08	WOODS, LOWELL	03/24/1981	H	130	55	55	19.00	--	O	40	2.0	1.0	G	U
30N/04W-11Q01	NOGASH, HANK	10/06/1978	H	126	57	57	19.00	--	O	13	0.5	1.5	G	U
30N/04W-11Q02	MICHEL, MELVIN	04/06/1963	I	125	29	29	11.00	21	P	90	90.0	--	G	U
30N/04W-11R01	TRUDY, VICTOR R	07/07/1977	H	130	81	81	24.00	--	O	30	--	--	G	U
30N/04W-11R02	MARCHBANK, ALVIN	12/30/1977	H	125	66	66	24.00	--	O	19	1.0	2.0	G	U
30N/04W-11R03	STARRY, FRANK	06/22/1977	H	125	81	81	21.00	--	O	75	--	1.0	G	U
30N/04W-11R04	WHITMORE, LLOYD	06/23/1977	H	125	81	81	23.00	--	O	60	--	1.0	G	U
30N/04W-11R05	JEZIK, JOSEPH F	02/14/1978	H	125	89	89	19.00	84	S	20	0.6	3.0	G	U
30N/04W-11R06	SHREINER, C B	02/18/1977	H	130	22	22	8.00	--	O	40	8.0	1.5	G	C
30N/04W-11R07	FIRESIDE HOMES 1	01/16/1977	H	130	50	50	20.00	--	O	10	0.7	2.0	G	C
30N/04W-11R08	NELSON, KENNY	07/28/1979	H	130	26	26	12.00	--	O	25	25.0	1.5	G	U
30N/04W-11R09	KOTAS, MURRY	12/05/1978	H	125	81	81	22.00	--	O	80	--	--	G	U
30N/04W-11R10	GRANDBEUCHE, R C	08/12/1980	H	130	25	25	10.00	--	O	40	40.0	--	G	U
30N/04W-11P11	BECKER, J C	12/02/1980	H	130	25	25	11.00	--	O	30	15.0	--	G	U
30N/04W-11P12	JACOBS, ED	01/09/1981	H	125	74	74	--	--	O	60	--	1.0	G	U
30N/04W-11R13	S.B.ENTERPRISES	08/19/1981	H	130	30	27	12.00	--	O	25	3.1	1.0	G	U
30N/04W-11R14	S.B.ENTERPRISES	08/19/1981	H	130	30	27	8.00	--	O	25	3.1	1.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-11R15	S.B.ENTERPRISES	08/19/1981	H	130	29	28	8.00	--	O	25	3.1	1.0	G	U
30N/04W-12C01	STANDARD OIL CA, SHOT 07-02	1955	U	125	100	--	--	--	--	--	--	--	G	C
30N/04W-12C02	STANDARD OIL CA, SHOT 07-01	1955	U	125	100	--	--	--	--	--	--	--	G	C
30N/04W-12C03	TRIPLETT, DAVE	03/29/1978	H	110	43	43	11.00	--	O	25	1.1	--	G	U
30N/04W-12C04	SMITH, STEVE	03/01/1978	H	100	24	24	7.00	--	O	10	10.0	1.5	G	U
30N/04W-12C05	GAULT, TOM	02/26/1978	H	125	24	24	8.00	--	O	10	10.0	1.5	G	U
30N/04W-12C06	SPENCER	02/02/1974	H	90	38	38	4.50	35	P	30	--	--	G	U
30N/04W-12C07	SPENCER	01/24/1974	H	89	65	65	19.50	--	O	25	--	--	G	C
30N/04W-12D01	GAESTEL, STAN	11/02/1977	H	85	33	33	9.00	--	O	25	1.8	--	G	U
30N/04W-12F01	BOGGS, WILLIAM	05/13/1974	U	80	41	41	3.30	--	O	25	--	--	G	C
30N/04W-12F02	HOLBROOK, JACK	10/23/1979	H	100	57	57	13.00	--	O	40	1.7	--	G	U
30N/04W-12F01	TALLEY	11/11/1976	H	135	82	82	47.00	--	O	30	6.0	--	G	C
30N/04W-12F02	MATLOCK, J G	03/31/1978	H	120	48	48	9.00	45	S	40	2.2	--	G	U
30N/04W-12F03	TINSLEY, FRED H	03/ /1975	H	120	15	15	7.00	12	T	--	--	--		U
30N/04W-12F04	TALLEY, GLEN	04/15/1980	H	130	87	87	42.00	--	O	30	1.2	--	G	C
30N/04W-12K01	LIVENGOOD, GARY	11/09/1977	H	105	26	26	6.00	--	O	45	9.0	--	G	C
30N/04W-12M01	KRIZO, FRANK	03/ /1957	I	115	14	14	8.00	--	P	120	--	--	G	C
30N/04W-12N01	BALKAN CONST., MIKE	08/23/1977	H	125	74	69	11.00	--	O	30	--	--	G	U
30N/04W-12N02	HAMMOND, JIM	07/26/1979	H	130	79	79	23.00	--	O	20	0.5	--	G	U
30N/04W-12Q01	ROBINS, LESTER	07/02/1960	I	118	22	22	6.00	9	P	180	51.4	--	G	C
30N/04W-12Q02	WOOD, DAVE	01/16/1976	H	120	36	36	11.50	--	O	25	5.0	--	G	U
30N/04W-12Q03	DIETRICK, A N	10/31/1979	H	125	31	31	13.00	--	O	40	40.0	--	G	U
30N/04W-12Q04	BEEBE, EARL	10/26/1979	H	125	25	25	13.00	--	O	35	35.0	--	G	U
30N/04W-12Q05	MINI MART	04/21/1973	H	115	31	31	18.00	21	P	60	120.0	--	G	U
30N/04W-12Q06	MCHUGH, PAUL	05/06/1981	H	125	31	31	15.00	--	O	40	20.0	--	G	U
30N/04W-12R01	LIVENGOOD	03/09/1966	I	120	27	27	5.70	9	P	325	46.0	1.0	G	U
30N/04W-12R02	ROBINS	05/ /1960	I	119	25	25	13.00	20	P	180	--	--	G	C
30N/04W-13A01	PIKE	04/17/1975	H	130	43	43	18.00	--	O	12	0.8	--	G	U
30N/04W-13A02	DENTON	03/14/1974	H	130	84	84	18.00	--	O	30	--	--	G	U
30N/04W-13A03	AIKENS	11/21/1974	H	120	46	46	2.00	41	S	30	--	--	G	U
30N/04W-13A04	HARDGROVE	1925	H,I	120	--	20	--	--	--	--	--	--		C
30N/04W-13A05	MALENDA, FRED	07/06/1977	H	125	36	36	6.00	--	O	50	5.0	--	G	U
30N/04W-13A06	FINK, LOWELL	10/16/1977	H	125	39	39	9.00	--	O	16	0.9	--	G	U
30N/04W-13A07	GLOVER, MILTON F	10/29/1976	H	125	52	52	17.00	46	S	7.0	2.9	3.0	G	U
30N/04W-13A08	WEESE, C R	02/29/1980	H	125	57	57	17.00	54	S	50	10.0	--	G	U
30N/04W-13A09	DELAP, R A	11/14/1972	H	125	73	73	10.40	68	S	30	1.8	1.0	G	U
30N/04W-13A10	ECKELBARGER, ROBERT E	03/17/1972	H	120	68	68	13.00	63	S	40	5.7	--	G	U
30N/04W-13A11	WRIGHT, PETE	01/24/1973	H	120	65	65	10.00	60	S	55	6.9	--	G	U
30N/04W-13R01	ULRICH	12/03/1975	H	145	34	32	18.00	--	O	15	30.0	4.0	G	U
30N/04W-13R02	HOWARD, VICTOR	11/01/1979	H	130	30	30	14.00	--	O	40	40.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-13D01	FASOLA, ALFRED	--	H	132	--	24	8.00	--	--	--	--	--		C
30N/04W-13D02	SCHOEN, STU	12/13/1979	H	140	30	30	15.00	--	O	35	35.0	--	G	U
30N/04W-13E01	PARKER, DICK	12/18/1974	H	150	39	39	18.60	--	O	30	6.0	--	G	U
30N/04W-13E02	BERG, RUDOLPH V	--	H	149	48	48	8.00	43	S	40	4.0	--	G	U
30N/04W-13E03	LANTZ, KENNETH	06/26/1979	H	145	42	42	--	--	O	20	20.0	1.5	G	C
30N/04W-13F04	LUNDSTROM, IVAN	06/26/1979	H	150	30	30	18.00	--	O	20	20.0	1.5	G	U
30N/04W-13F05	WILLIAMSON, TOM	03/06/1979	H	155	42	42	26.00	--	O	10	1.0	1.5	G	U
30N/04W-13F06	BARRETT	07/16/1980	H	145	55	55	15.00	--	O	25	1.1	1.0	G	U
30N/04W-13G01	SALLEE	02/03/1970	H	150	68	68	23.00	--	O	6.0	0.6	1.0	G	U
30N/04W-13G02	YOUNG	03/11/1974	H	150	58	58	26.00	--	O	10	--	--	G	U
30N/04W-13G03	GOODWIN, ROBERT A	07/21/1977	H	150	50	50	--	--	O	13	1.3	1.5	G	U
30N/04W-13G04	CLARK, RONALD	01/02/1979	H	150	42	42	19.50	--	O	20	1.3	--	G	U
30N/04W-13G05	SHULL, E	06/13/1980	H	150	42	42	15.00	--	O	50	6.3	--	G	U
30N/04W-13G06	NEWHAUSER, W C	10/24/1980	H	150	54	54	16.00	50	S	15	0.5	--	G	U
30N/04W-13G07	ROUSH, A H	11/26/1980	H	150	43	43	18.00	--	O	40	8.0	--	G	U
30N/04W-13G08	HUTKOI, JOHN	12/08/1980	H	150	50	50	15.00	45	S	35	2.3	--	G	U
30N/04W-13G09	MITCHELL, RAY W	07/25/1970	H	155	90	90	10.00	86	P	30	0.9	--	G	U
30N/04W-13G10	REESE, D H	11/09/1970	H	150	88	88	19.00	83	P	50	1.4	1.0	G	U
30N/04W-13G11	ANDERSON, BUD	11/20/1972	H	150	62	62	25.00	--	O	30	2.5	--	G	U
30N/04W-13H01	ROBINSON	--	H,S	157	--	30	25.00	--	--	--	--	--		C
30N/04W-13H02	LEITH, ROBERT B	04/18/1977	H	140	58	58	15.00	53	S	14	0.6	--	G	U
30N/04W-13H03	RUTLEDGE ENTRPS	05/14/1980	H	150	42	42	20.00	--	O	20	2.0	1.5	G	U
30N/04W-13J01	KENDALL	1927	H,I	159	--	50	10.00	--	--	25	--	--		C
30N/04W-13J02	BLANTON	05/29/1975	H	165	62	62	25.00	--	O	18	0.7	--	G	U
30N/04W-13J03	WEHER	05/25/1974	H	161	49	49	9.00	--	O	50	25.0	--	G	U
30N/04W-13J04	SWANSON, DON JR	07/25/1974	H	155	45	45	6.50	41	S	19	--	--	G	C
30N/04W-13J05	BELLEVUE	10/29/1975	H	160	59	59	17.50	--	O	40	--	--	G	U
30N/04W-13J06	TERRENCE, FLOYD	06/06/1977	H	165	46	46	15.00	--	O	40	2.7	--	G	U
30N/04W-13J07	SUTHERLIN, DICK	01/18/1978	H	165	48	48	24.00	--	O	24	2.0	--	G	U
30N/04W-13J08	BERGERON, MARGOT	03/18/1977	H	170	50	50	18.00	--	O	30	3.0	2.0	G	U
30N/04W-13J09	CHEADLE, RUPREL	08/22/1979	H	165	48	48	22.00	--	O	18	1.1	--	G	U
30N/04W-13J10	O'BRIEN, BILL	11/10/1979	H	165	63	63	23.00	--	O	25	1.0	--	G	U
30N/04W-13J11	GESSLER, PAUL L	04/30/1960	H	160	47	47	20.00	--	O	18	6.0	1.0	G	U
30N/04W-13J12	IRWIN, JOSEPH J	01/31/1969	H	160	57	57	22.00	--	O	40	40.0	1.0	G	U
30N/04W-13J13	JOHNSON, CHARLES M	12/01/1971	H	155	69	69	22.00	64	S	40	20.0	--	G	U
30N/04W-13J14	MCDONALD, JOHN	10/24/1972	H	165	52	52	20.00	--	O	35	35.0	--	G	U
30N/04W-13J15	SWYGARD, KLINE R	05/19/1973	H	160	61	61	24.00	--	O	60	15.0	--	G	U
30N/04W-13J16	WOODWARD, W V	06/21/1973	H	155	44	44	8.00	--	O	60	3.3	--	G	U
30N/04W-13K01	TENNESON	12/29/1973	H	160	71	71	20.00	66	S	12	0.5	2.0	G	U
30N/04W-13K02	RUTLEDGE, ED	09/17/1980	H	155	40	40	15.00	--	O	20	2.0	1.5	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-13K03	SCHADEK	11/01/1975	H	160	61	61	26.75	--	O	30	2.1	--	G	U
30N/04W-13K04	MCHUGH, PAUL	08/08/1977	H	155	45	45	8.00	--	O	40	3.3	--	G	U
30N/04W-13K05	JUNDY, JENE	05/31/1977	H	155	61	61	28.17	--	O	50	--	--	G	U
30N/04W-13K06	L.B.D.	02/17/1977	H	155	40	40	14.00	37	S	20	2.0	--	G	U
30N/04W-13K07	L.B.D.	02/18/1977	H	155	43	43	14.00	40	S	20	2.0	--	G	U
30N/04W-13K08	THORSON, TOM	01/03/1977	H	160	70	67	30.00	61	S	35	35.0	1.5	G	U
30N/04W-13K09	LOUTHAN, ED	10/31/1974	H	165	43	43	5.00	--	O	45	3.5	--	G	U
30N/04W-13K10	BORDEN	01/24/1975	H	160	54	54	20.00	--	S	50	3.3	--	G	U
30N/04W-13K11	WALPER	11/04/1974	H	160	42	42	8.00	--	O	40	2.5	--	G	U
30N/04W-13K12	HANWAY, FRANK	11/03/1976	H	165	46	46	8.50	--	O	40	2.2	--	G	U
30N/04W-13K13	NEASE, DRAN	07/10/1979	H	160	43	43	18.50	--	O	25	2.1	--	G	U
30N/04W-13L01	WILLIAMSON	10/12/1968	H	170	34	34	21.00	31	S	15	1.0	1.0	G	U
30N/04W-13L02	ROTHWEILER	07/15/1975	H	160	37	37	15.00	--	O	12	0.9	2.0	G	U
30N/04W-13L03	SANDERS, RODNEY	10/24/1979	H	170	52	52	14.00	--	O	20	0.5	1.5	G	U
30N/04W-13N01	APPLEGATE, CHARLES M	07/19/1977	H	180	49	49	19.00	44	S	30	20.0	2.0	G	C
30N/04W-13N02	ZALEWSKI, VAL	10/28/1977	H	180	58	58	20.00	52	S	25	--	--	G	U
30N/04W-13N03	PYLES, JIM	04/12/1977	H	180	45	45	20.00	--	O	30	3.8	--	G	U
30N/04W-13N04	TESSMER, ALVIN H	03/24/1978	H	180	43	43	21.00	--	O	18	1.3	--	G	U
30N/04W-13N05	DUNLAP, LYNN	05/16/1979	H	180	43	43	18.50	--	O	10	0.6	--	G	U
30N/04W-13N06	DUNGENESS CONST	12/12/1978	H	180	39	39	19.50	--	O	40	8.0	--	G	U
30N/04W-13P01	CONLEY	10/30/1974	H	180	48	48	24.00	--	O	20	5.0	2.0	G	U
30N/04W-13Q01	KRNOULL	--	H,I	190	--	36	--	--	--	--	--	--		C
30N/04W-13Q02	BERG	01/11/1974	H	190	64	64	25.00	--	O	30	3.0	1.0	G	U
30N/04W-13Q03	JANSSEN	04/30/1975	H	190	61	61	38.00	56	S	10	--	--	G	U
30N/04W-13Q04	LINTON, W J	03/18/1980	H	190	71	71	36.00	--	O	25	1.4	--	G	U
30N/04W-13Q05	HALE, JOHN S	04/21/1981	H	170	44	44	20.00	--	O	40	2.0	2.5	G	U
30N/04W-13P01	WANEK	06/16/1975	H	180	53	53	22.00	--	O	35	3.5	--	G	U
30N/04W-13P02	STANGER, J D	09/18/1976	H	180	64	64	17.00	--	O	18	1.0	1.0	G	U
30N/04W-13P03	WILBER, L P	01/09/1978	H	180	78	78	29.00	--	O	30	2.5	2.0	G	U
30N/04W-13P04	DILGER, LAURENCE	06/02/1976	H	170	57	57	23.67	52	S	25	--	1.0	G	U
30N/04W-13P05	PALMER, T J	09/11/1978	H	180	55	55	11.00	--	O	40	2.1	--	G	U
30N/04W-13P06	KEYS, FRANK	01/23/1979	H	180	81	81	30.00	--	O	30	--	--	G	U
30N/04W-13P07	MAXTED, D H	06/04/1979	H	180	89	89	27.00	--	O	60	--	1.5	G	U
30N/04W-13P08	MAXTED, D H	06/01/1979	H	180	89	89	27.00	--	O	60	--	1.5	G	U
30N/04W-13P09	MAXTED, A H	01/24/1979	H	180	89	89	30.00	--	O	40	--	--	G	U
30N/04W-13P10	WAAGEN, NORMAN E	09/26/1979	H	180	80	79	19.00	--	O	40	--	1.0	G	U
30N/04W-14A01	STEVENS	05/29/1964	I	135	30	30	12.00	19	P	150	50.0	2.0	G	U
30N/04W-14C01	HEATH, OLIVE	--	H	140	--	21	12.01	--	--	--	--	--		C
30N/04W-14C02	TROXEL	08/29/1975	H	135	60	60	17.00	--	O	20	--	--	G	C
30N/04W-14C03	HARDY, SHEILA	09/13/1979	H	135	81	81	23.20	--	O	70	--	1.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-14C04	WHITE	05/12/1975	H	140	46	46	24.00	--	O	25	0.9	--	G	C
30N/04W-14D01	STANDARD OIL CA, SHOT 01-24	1955	U	135	50	50	--	--	--	--	--	--	G	C
30N/04W-14D02	STANDARD OIL CA, SHOT 01-25	1955	U	145	50	50	--	--	--	--	--	--	G	C
30N/04W-14E01	STANDARD OIL CA, SHOT 01-26	1955	U	150	46	46	--	--	--	--	--	--	G	C
30N/04W-14E02	STANDARD OIL CA, SHOT 01-27	1955	U	155	50	50	--	--	--	--	--	--	G	C
30N/04W-14F03	MARPEL	06/03/1974	U	155	65	65	25.00	--	O	25	1.3	1.0	G	C
30N/04W-14F01	ADAMS	06/01/1952	I	155	--	30	16.00	--	--	100	--	--		C
30N/04W-14F02	JENSEN, TOM	04/06/1977	H	146	82	82	22.33	64	P	6.0	--	2.0	G	C
30N/04W-14F03	CRANER	06/10/1975	H	150	57	57	19.00	54	S	25	1.1	--	G	C
30N/04W-14F04	ADAMS, ELMER	04/08/1966	H	155	116	91	24.00	66	S	30	1.0	2.0	G	C
30N/04W-14K01	STANDARD OIL CA, SHOT 01-30	1955	U	170	80	80	--	--	--	--	--	--	G	C
30N/04W-14K02	MORSE, ROBERT	09/17/1980	H	160	60	56	--	51	S	60	--	--	G	U
30N/04W-14M01	STANDARD OIL CA, SHOT 01-28	1955	U	170	50	50	--	--	--	--	--	--	G	C
30N/04W-14M02	WRIGHT, T	08/22/1977	H	170	38	38	11.00	--	O	40	--	--	G	U
30N/04W-14M03	HENDERSHOTT, JOSEPH A	--	H	170	--	--	--	--	--	--	--	--		C
30N/04W-14M04	MATSON, VIC	07/10/1976	H	175	54	44	17.00	39	S	15	3.8	2.0	G	C
30N/04W-14P01	NICKERSON	08/12/1975	H	183	40	38	14.00	35	S	15	2.5	4.0	G	C
30N/04W-14P02	EMERY	06/14/1973	H	190	52	52	14.00	--	O	20	--	--	G	C
30N/04W-14P03	THOMPSON, RAY	06/16/1976	H	185	98	98	17.50	--	O	40	1.3	--	G	C
30N/04W-14P04	HEATON, MICHAEL	05/30/1973	H	185	--	41	12.00	--	O	20	1.0	0.5		C
30N/04W-14P05	MATEI, U W	11/12/1980	H	190	46	43	20.50	--	O	25	--	1.0	G	U
30N/04W-14P06	KIRSCH, TED	07/25/1970	H	180	117	116	19.00	--	O	18	0.4	--	G	U
30N/04W-14P07	POTTS, GREG	02/20/1981	H	180	46	45	23.00	40	S	10	1.0	1.0	G	U
30N/04W-14Q01	STANDARD OIL CA, SHOT 01-31	1955	U	180	150	150	--	--	--	--	--	--	G	C
30N/04W-15A01	BRUCE, ELWOOD	--	U	154	--	--	19.78	--	--	--	--	--		C
30N/04W-15C01	SMITH	04/08/1975	H	135	54	44	12.00	42	S	120	14.0	2.0	G	U
30N/04W-15F01	SONNENFELD, DELBERT	03/06/1979	H	150	53	53	23.00	48	S	25	2.5	1.5	G	U
30N/04W-15G01	AVERY	1928	H	150	--	50	6.00	--	--	5.0	--	--		C
30N/04W-15G02	ENGEL	07/24/1975	H	150	56	56	11.50	--	O	50	3.3	--	G	C
30N/04W-15G03	LEADON, GEORGE	03/26/1977	H	150	55	55	24.00	--	O	25	1.6	--	G	C
30N/04W-15G04	CHILDERS, W REX	05/13/1977	H	155	51	51	24.00	--	O	10	1.7	1.0	G	U
30N/04W-15H01	AVERY	1938	H,I	158	--	50	6.00	--	--	25	25.0	4.0		C
30N/04W-15H02	AVERY	1938	H,I	150	--	50	6.00	--	P	25	--	--		C
30N/04W-15H03	AVERY	1938	H	150	--	50	6.00	--	P	25	--	--		C
30N/04W-15H04	ZAPP, VERN	05/13/1971	H	155	48	48	26.00	--	O	35	35.0	1.5	G	C
30N/04W-15H05	ZAPP, VERN	01/20/1969	H	160	--	50	25.00	--	O	37	37.0	2.0		C
30N/04W-15H06	BECKER	--	H	155	--	--	--	--	--	--	--	--		C
30N/04W-15J01	WELDING SHOP	--	--	160	--	--	--	--	--	--	--	--		C
30N/04W-15K01	SEAMONDS, LARRY	01/03/1979	H	170	55	55	18.00	50	S	20	2.0	1.5	G	C
30N/04W-15K02	MARTENSON, PETER	10/03/1973	H	160	68	68	17.00	63	S	20	10.0	2.0	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-15M01	GILLESPIE, F	--	U	155	--	15	5.20	--	--	--	--	--		C
30N/04W-15M02	GILLESPIE	--	H	155	--	43	12.57	--	--	--	--	--		C
30N/04W-15M03	CUMMINGS, HILLMAN	09/25/1978	H	155	39	39	4.00	--	O	40	--	--	G	U
30N/04W-15N01	BOYD	03/16/1974	H	175	34	28	4.00	26	S	12	--	--	G	C
30N/04W-15P01	FERGUSON, C L	01/21/1974	H	170	65	65	29.50	--	O	30	--	--	G	U
30N/04W-15P02	MARTIN, ANN	08/02/1977	H	180	36	36	14.00	--	O	8.0	0.8	1.5	G	U
30N/04W-15P03	CRARY, C W	07/03/1978	H	180	65	65	19.00	61	S	48	3.2	--	G	U
30N/04W-15Q01	JACKSON, GLEN	08/17/1976	H	185	58	58	22.00	--	O	35	1.9	--	G	C
30N/04W-15Q02	JACKSON, ARD	05/10/1963	H	185	59	59	30.00	--	O	16	48.0	--	G	U
30N/04W-15R01	MILL VILLAGE, CARLSBORG	--	U	185	--	56	24.00	--	--	25	1.3	2.0		C
30N/04W-16C01	STANDARD OIL CA, SHOT 16-07	1955	U	145	80	80	--	--	--	--	--	--	G	C
30N/04W-16C02	NEW HOPE CHURCH	03/07/1979	H	145	47	45	8.00	43	S	20	4.0	1.5	G	C
30N/04W-16E01	EVANS, DICK	05/24/1973	H	170	111	111	36.00	--	O	20	0.9	--	G	U
30N/04W-16F01	STANDARD OIL CA, SHOT 16-08	1955	U	140	50	50	--	--	--	--	--	--	G	C
30N/04W-16F02	STANDARD OIL CA, SHOT 16-09	1955	U	150	50	50	--	--	--	--	--	--	G	C
30N/04W-16G01	SAYERS	11/06/1974	H	168	90	90	28.00	85	S	15	0.6	2.0	G	C
30N/04W-16G02	KITCHENS INC	10/17/1974	H	145	40	40	9.00	--	O	3.0	--	--	G	C
30N/04W-16K01	OLSEN, CARL	08/09/1977	H	165	50	47	28.00	--	O	15	1.5	1.5	G	U
30N/04W-16L01	STANDARD OIL CA, SHOT 16-10	1955	--	190	50	--	--	--	--	--	--	--	G	C
30N/04W-16L02	SURBROCK, M E	04/27/1963	H	190	78	78	55.00	--	O	17	2.8	--	G	U
30N/04W-16L03	JACKSON, L A	11/17/1980	H	175	70	70	44.00	--	O	15	1.3	1.5	G	U
30N/04W-16P02	BULL, GERALD	07/04/1977	H	230	144	144	100.00	--	O	25	6.3	1.5	G	C
30N/04W-16P03	BULL, GERALD	08/29/1966	H	270	198	198	164.00	193	S	17	1.7	--	G	U
30N/04W-16P04	EATON, SUZANNE	04/19/1971	H	200	145	145	117.00	140	S	25	25.0	--	G	U
30N/04W-16Q01	KEITH	12/03/1973	H	185	67	67	34.00	64	S	25	--	--	G	U
30N/04W-16Q02	TEAGUE	11/15/1974	H	185	53	53	26.00	--	O	6.0	--	--	G	U
30N/04W-16Q03	NELSON, GARY	01/30/1976	H	190	82	82	46.50	79	S	12	0.5	--	G	U
30N/04W-16Q04	RUBENS	08/07/1975	H	180	125	87	36.00	84	S	8.0	0.2	--	G	U
30N/04W-16Q05	FRANTZ, JOHN	--	H,S	200	--	63	60.56	--	--	--	--	--		C
30N/04W-17R01	EDMONSON	04/24/1974	H	179	91	91	39.50	85	S	40	8.0	2.5	G	C
30N/04W-17B02	LEWIS, CARL	10/31/1978	H	180	105	105	60.00	101	S	30	1.5	--	G	U
30N/04W-17D01	SIMONSON, HENRY	1947	H,S	200	146	146	65.00	--	--	--	--	--	G	C
30N/04W-17D02	OPDAHL	10/15/1974	H	210	111	111	63.00	108	S	25	--	--	G	U
30N/04W-17D03	GOOS, ROY	07/10/1980	H	210	124	124	71.00	119	S	25	25.0	--	G	U
30N/04W-17F01	SOLMAR LAND	08/11/1974	H	220	137	129	72.00	116	S	204	38.0	6.0	G	U
30N/04W-17G01	MILLER, W S	--	H	200	--	97	65.40	--	--	--	--	--		C
30N/04W-17N01	PILCH, JOHN H	11/30/1976	H	330	81	73	49.00	68	S	3.0	0.2	16.0	G	U
30N/04W-17N02	GROOM, HARLD A	02/13/1973	H	370	93	93	12.00	75	X	4.5	0.1	--	G	U
30N/04W-17N03	HARGROVE, IVAN M	12/24/1964	H	370	107	107	19.00	88	X	13	0.7	--	G	U
30N/04W-17P01	PILCH, JOHN	01/26/1978	H	350	70	66	38.50	61	S	18	18.0	9.0	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-17R01	HIGGINS	07/22/1974	H	320	91	91	60.00	83	S	10	2.0	--	G	U
30N/04W-17R02	YOUNG	07/25/1978	H	320	211	211	180.00	--	O	10	1.0	1.5	G	C
30N/04W-18A01	KOVOCH, NICK	--	H,S	220	--	145	86.82	--	--	--	--	--		C
30N/04W-18A02	RIVETT, MONTE	09/15/1975	H	227	119	119	89.83	114	S	20	10.0	--	G	C
30N/04W-18A03	ANDERS, ED	04/17/1981	H	210	117	117	80.00	114	S	30	10.0	1.0	G	U
30N/04W-18R01	WAGGONER, ROBERT B	09/08/1977	H	200	112	112	68.50	107	S	15	--	--	G	C
30N/04W-18G01	WOLFGRAM, HERBERT	1968	H	227	--	126	86.00	--	--	--	--	--		C
30N/04W-18H01	ZEEB	05/09/1974	H	229	140	140	101.00	133	S	15	3.8	2.0	G	U
30N/04W-18H02	KENT, GEORGE	02/25/1977	H	230	128	128	97.00	123	S	15	--	2.0	G	C
30N/04W-18H03	UHLIG, VANCE	02/21/1976	H	235	140	140	110.00	135	S	15	--	--	G	C
30N/04W-18H04	SMITH, BURREL	12/15/1977	H	230	150	150	104.00	--	O	15	1.1	1.5	G	U
30N/04W-18H05	ELLIOTT, REX	03/13/1979	H	225	127	127	100.00	122	S	20	5.0	1.0	G	U
30N/04W-18J01	MUELLER, DAVID	--	H	252	--	12	2.70	--	--	--	--	--		C
30N/04W-18J02	COLLA, DR	12/02/1978	H	250	146	146	110.00	141	S	12	0.8	1.5	G	U
30N/04W-18M01	UNION OIL CALIF, OIL TEST	1948	U	325	82	82	--	--	--	--	--	--		C
30N/04W-18M02	UNION OIL CALIF, OIL TEST	1948	--	325	90	90	--	--	--	--	--	--		C
30N/04W-18Q01	GRAY MOTORS INC	04/30/1980	H	320	56	56	36.50	--	O	12	--	2.0	G	U
30N/04W-18R01	WEST	03/13/1974	--	300	61	60	17.00	44	S	20	3.3	1.0	G	U
30N/04W-18R02	CREASEY, ED	08/15/1978	H	350	117	116	87.00	111	S	7.0	0.2	3.0	G	U
30N/04W-18R03	MAXTED, D H	06/05/1979	H	300	89	89	27.50	--	O	60	--	1.5	G	U
30N/04W-18R04	SOMMERVILLE, LARRY	01/17/1980	H	320	79	79	64.00	--	O	10	2.0	1.5	G	U
30N/04W-18R05	UNION OIL CALIF, OIL TEST	1948	--	315	120	120	--	--	--	--	--	--		C
30N/04W-19F01	ADAMS	06/10/1975	H	157	--	57	12.00	--	S	25	80.0	10.0	G	U
30N/04W-19H01	MCINNES	1954	--	420	98	98	50.00	94	S	12	0.4	1.0	G	C
30N/04W-19J01	SAMPAIR, J A	--	H	420	--	10	5.77	--	--	--	--	--		C
30N/04W-20A01	KESLER, PAUL	07/02/1979	H	325	265	265	225.00	--	O	17	1.7	1.5	G	C
30N/04W-20R01	SNOHOMISH LUMBER	05/30/1977	H	330	85	85	43.00	80	S	20	1.7	--	G	C
30N/04W-20R02	BAKER, ODIE	02/14/1979	H	375	345	345	204.00	209	P	5.0	0.1	4.0	G	C
30N/04W-20R03	BAKER, ODIE	02/09/1979	U	375	130	130	D	--	--	0.00	0.0	--	G	C
30N/04W-20C01	FOX, H C	1947	H	375	108	108	76.00	--	--	--	--	--	G	C
30N/04W-20F01	PLEINES, NANCY	02/23/1977	H	380	80	38	12.00	16	P	20	4.0	2.5	G	C
30N/04W-20F01	TYLER, GARTH	03/21/1978	H	370	86	85	37.00	--	O	6.0	0.2	1.5	G	U
30N/04W-20J01	BARKER, HARRY	--	H	380	--	190	6.00	40	P	0.10	0.0	--	G	U
30N/04W-20J02	BARKER, HARRY	10/20/1979	H	380	220	220	4.00	180	P	2.5	0.0	1.5	G	U
30N/04W-20J03	CALLWELL, FRANK	05/19/1969	H	390	215	215	11.00	29	X	6.5	0.0	2.0	G	U
30N/04W-20L01	HAVILAND, DONALD	09/14/1981	H	410	125	118	5.00	35	P	4.0	0.0	30.0	G	U
30N/04W-20M01	BRANT	02/18/1975	H	400	50	50	3.50	--	O	25	0.8	--	G	U
30N/04W-20M02	BRANDT, MIKE	11/01/1977	H	420	161	161	40.00	--	X	1.5	--	1.5	G	U
30N/04W-20N01	WALLACE	04/04/1974	H	420	35	35	6.00	31	S	12	--	--	G	U
30N/04W-20N02	WAGNER, ROBERT	09/30/1976	--	430	50	50	D	--	--	0.00	0.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-20M03	BRANDT, MARJORIE	12/03/1979	H	425	165	165	20.00	65	X	0.50	0.0	--	G	U
30N/04W-20P01	MILLER, KEN	09/12/1978	H	455	70	70	25.00	--	O	6.0	6.0	1.5	G	U
30N/04W-20P02	RIOPELLE, W N	04/05/1972	H	460	68	68	4.00+	63	S	5.0	0.1	--	G	U
30N/04W-20Q01	FLYUM	07/02/1974	H	423	70	50	6.50	20	P	3.0	--	--	G	U
30N/04W-21A01	MICHAELS, CARL	05/29/1965	H	220	97	97	70.00	--	O	9.0	1.8	--	G	U
30N/04W-21R01	SPENCER, CHARLES	--	H	238	--	38	0.80+	--	--	--	--	--		C
30N/04W-21C01	LONG TRAIL END, RV PARK	11/08/1965	P	260	160	140	120.00	156	S	15	0.5	0.5	G	C
30N/04W-21C02	KITCHEN, GEORGIE	10/07/1977	H	230	110	110	70.00	--	--	7.0	0.2	--	G	U
30N/04W-21F01	JOSLINE, MILDRED	06/25/1964	H	250	120	120	70.00	--	O	18	9.0	--	G	U
30N/04W-21G01	SCHOEPPE	06/27/1975	H	240	42	41	16.00	36	S	15	3.8	2.0	G	U
30N/04W-21G02	LEBLANC, RICHARD	03/31/1978	H	258	46	45	18.00	40	S	12	0.6	1.5	G	C
30N/04W-21G03	RUTLEDGE, DICK	07/01/1978	H	261	54	54	21.00	50	S	18	1.0	1.5	G	C
30N/04W-21J01	PEDLAR, JIM	11/08/1976	H	330	100	100	42.00	--	O	10	0.2	--	G	U
30N/04W-21J02	FLEISHER, SKIP	04/05/1978	H	330	139	139	78.00	134	S	20	2.0	3.0	G	U
30N/04W-21K01	MESSICK	10/01/1974	H	365	267	267	192.00	258	S	18	0.6	2.0	G	C
30N/04W-21K02	REEKIE, ARTHUR	11/16/1978	H	300	44	44	13.00	40	S	10	10.0	1.5	G	U
30N/04W-21K03	PHELAN, GERALD J	09/29/1966	H	300	128	128	78.00	117	X	5.0	0.1	--	G	U
30N/04W-21L01	LUCE, SCHULER	01/05/1977	H	369	326	326	275.00	--	S	15	0.8	5.5	G	C
30N/04W-21L02	LEACH, ARTHUR	12/29/1975	H	350	384	327	247.00	322	S	5.0	0.1	6.0	G	U
30N/04W-21L03	POWERS, A A	10/31/1970	H	330	119	104	93.00	99	S	6.0	0.5	--	G	U
30N/04W-21M01	ERLANDSON, DONALD	08/11/1980	H	410	210	210	10.00	50	P	2.0	0.0	--	G	U
30N/04W-21N01	BALL, CLAUDE L	08/05/1967	H	450	74	74	7.00	69	S	9.0	0.3	--	G	U
30N/04W-21N02	BURLEY, ED	11/05/1981	H	460	120	120	100.00	--	O	10	0.7	2.0	G	U
30N/04W-21P01	LINDGREN, E	10/07/1965	H	430	68	53	14.00	--	O	3.3	0.1	2.0	G	U
30N/04W-21Q01	FISH, HERBERT L	06/11/1981	H	400	112	85	48.00	--	O	10	--	--	G	U
30N/04W-22A01	KAMPRUD, ROBERT	06/21/1977	H	200	95	91	28.00	81	P	30	0.6	2.0	G	C
30N/04W-22A02	EYERS MOBILE CT	06/21/1977	P	200	49	49	16.50	--	O	17	0.7	--	G	C
30N/04W-22A03	EYERS MOBILE CT	03/20/1980	P	202	98	98	30.00	88	S	90	6.0	4.0	G	U
30N/04W-22A04	BRUECKNER, PAUL	12/24/1967	H	195	70	70	35.00	64	P	30	15.0	--	G	U
30N/04W-22A05	WYATT, WILLIAM	08/10/1981	H	205	58	57	17.00	--	O	30	2.0	1.0	G	U
30N/04W-22C01	BLANCHARD, C E	02/15/1972	H	200	55	55	19.00	--	O	20	6.7	--	G	U
30N/04W-22D01	SWARD, CARL	07/22/1976	H	195	57	57	37.00	--	O	25	3.1	--	G	U
30N/04W-22D02	THOMPSON, F W	11/04/1977	H	195	38	38	24.00	--	O	12	1.5	--	G	U
30N/04W-22F01	DEVEAU'S MBL PK	08/24/1971	P	235	70	68	55.00	--	O	25	12.0	--	G	C
30N/04W-22F02	DEVEAU'S MBL PK	06/19/1970	P	235	117	117	49.58	111	S	25	0.5	--	G	C
30N/04W-22F03	BARBO, JOHN	01/28/1966	H	230	50	50	23.00	--	O	16	1.6	--	G	U
30N/04W-22H01	SMITH, ARVIE	1965	H	215	163	163	93.68	158	S	50	1.1	3.5	G	C
30N/04W-22H02	SMITH, ARVIE	02/24/1978	P	230	298	298	102.00	160	P	30	3.0	2.0	G	C
30N/04W-22H03	DAVIC, G R	06/12/1977	H	210	--	61	37.00	--	O	20	--	--		C
30N/04W-22J01	LOCHOW, F A	--	H	230	--	109	93.78	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-22J02	STOICAN DRLG CO	1959	H	243	150	112	94.00	--	O	30	1.0	--	G	C
30N/04W-22N01	PHILLIPS	12/20/1973	H	405	275	275	220.00	269	S	15	15.0	4.0	G	C
30N/04W-22N02	LOHP, BILL M	11/11/1976	U	370	416	409	242.00	--	O	2.8	0.0	4.0	G	C
30N/04W-22N03	SLATER, DON	02/28/1979	U	410	237	237	D	--	--	0.00	0.0	--	G	U
30N/04W-22N04	STUMBAUGH, LYLE	01/07/1972	H	360	220	213	186.00	195	S	8.0	4.0	--	G	U
30N/04W-22Q01	ROSCHE, WILLIAM	05/31/1976	H	310	108	107	76.50	--	O	30	--	2.0	G	U
30N/04W-22Q02	DAY, MARTIN	10/27/1980	H	280	48	46	2.50+	38	S	30	1.7	0.5	G	U
30N/04W-22R01	TOZZER	08/17/1974	H	258	270	270	150.00	155	P	2.0	--	--	G	U
30N/04W-22R02	WOLFF, R D	06/01/1977	H	300	60	60	20.00	55	S	30	3.0	--	G	C
30N/04W-22R03	LASSITER, JOSEPH C	06/14/1979	H	300	101	100	74.00	--	O	30	--	1.0	G	U
30N/04W-22R04	SMITH, BURREL	04/14/1979	H	275	99	99	60.00	--	O	1.7	1.7	1.5	G	U
30N/04W-22R05	SUKERT, WILLIAM	03/27/1964	H	300	122	122	78.00	120	P	8.0	1.1	--	G	U
30N/04W-23A01	RIDGWAY, WALLACE	11/ /1969	H	200	90	90	--	71	P	7.5	--	2.0	G	U
30N/04W-23R01	STANDARD OIL CA, SHOT 01-32	1955	--	210	40	--	--	--	--	--	--	--	G	C
30N/04W-23C01	HUTCHINSON, HUGH R	03/08/1962	--	200	66	66	27.00	33	P	50	--	--	G	U
30N/04W-23C02	MATHEWS, BILL	09/12/1980	H	200	168	168	91.00	--	O	15	0.3	1.5	G	U
30N/04W-23D01	READER, PAUL	05/03/1976	H	205	46	46	25.00	--	D	12	--	1.0	G	C
30N/04W-23E01	BURTON, CLARENCE N	04/15/1952	I	205	--	16	7.50	--	--	175	25.0	6.0	G	C
30N/04W-23E02	BURTON	01/07/1976	H	230	37	37	14.00	--	O	8.0	--	--	G	C
30N/04W-23E03	BACON, BILL	11/21/1977	H	240	202	202	123.00	--	O	20	--	--	G	C
30N/04W-23F04	PATTERSON, JOHN	11/17/1976	H	235	55	55	24.00	52	S	25	1.7	--	G	C
30N/04W-23F06	BURFITT	02/18/1974	H	225	220	145	96.00	138	S	6.0	0.3	2.0	G	C
30N/04W-23E07	BURTON, CLARENCE N	03/01/1968	--	225	--	205	104.00	--	O	30	30.0	2.0		C
30N/04W-23F01	RICHMOND, LEO L	08/19/1977	H	220	141	141	83.00	--	O	20	--	--	G	C
30N/04W-23F02	LYON, JOHN	05/17/1977	H	220	61	50	20.00	45	S	30	--	1.0	G	C
30N/04W-23F03	SCHRAMMECK, DALE	12/05/1978	H	220	36	36	15.00	--	O	30	--	--	G	C
30N/04W-23F04	BURTON, CLARENCE	11/13/1979	H	225	40	36	16.00	--	O	4.0	0.3	1.0	G	U
30N/04W-23F05	ADKINS, WILLIS	10/20/1979	H	225	139	139	80.00	--	O	30	0.8	1.0	G	U
30N/04W-23F06	BALLARD, JAMES	02/02/1977	H	230	97	97	50.00	92	S	17	--	1.5	G	C
30N/04W-23G01	STANDARD OIL CA, SHOT 01-34	1955	--	240	80	--	--	--	--	--	--	--	G	C
30N/04W-23J01	MCKEAGUE, D H	--	H	240	--	20	13.32	--	--	--	--	--		C
30N/04W-23J02	SORENSEN, ORLIN	02/25/1977	H	240	78	78	33.50	--	--	20	--	--	G	U
30N/04W-23J03	ROBSON, HARRY L	05/20/1973	I	230	33	33	14.00	15	P	70	104.0	--	G	U
30N/04W-23K01	STANDARD OIL CA, SHOT 01-35	1955	--	245	50	--	--	--	--	--	--	--	G	C
30N/04W-23K02	PARKER, SHANNON	03/03/1977	H	235	88	88	21.00	--	O	--	--	--	G	U
30N/04W-23L01	WALLIS, ALBERT T	1951	H	245	20	20	7.00	--	--	7.0	7.0	--	G	C
30N/04W-23L02	PEDLAR	10/26/1973	P	240	106	106	45.00	86	S	85	5.0	8.0	G	U
30N/04W-23L03	GILBUT	1940	H	245	--	17	10.54	--	--	--	--	--		C
30N/04W-23L04	COURGHRON, BILL	09/24/1979	H	270	70	70	40.00	--	O	15	0.3	1.5	G	U
30N/04W-23L05	GREEN ACRES, MOBILE PRK	06/17/1980	P	245	106	103	44.50	93	S	--	--	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-23M01	MILLS	02/03/1975	H	250	200	200	97.50	142	P	100	2.5	25.5	G	U
30N/04W-23M02	DUNLAP	10/01/1974	H	241	150	142	45.00	106	P	9.0	0.4	--	G	U
30N/04W-23M03	GILLETT, DONNA	02/06/1980	H	245	39	37	26.70	--	O	5.0	1.3	1.0	G	U
30N/04W-23M04	DUNLAP, LYNN	10/12/1967	H	240	32	32	--	--	O	10	10.0	--	G	U
30N/04W-23M06	ANDELINE, MILDRED K	09/ /1968	H	250	149	149	100.00	--	O	20	3.3	--	G	U
30N/04W-23M07	DUNLAP, LYNN	04/ /1969	H	240	62	62	43.00	--	O	15	7.5	--	G	U
30N/04W-23M08	DUNLAP, LYNN	03/25/1973	H	240	78	78	18.00	--	O	12	0.2	--	G	U
30N/04W-23N01	WEAVER ENTERPRS	09/29/1977	H	255	121	121	45.00	--	O	100	--	--	G	U
30N/04W-23N02	BLANK, MONTE	02/21/1973	H	260	66	66	25.00	--	O	19	1.5	--	G	U
30N/04W-23N03	HILL'S MOBILE, HOME PARK	12/28/1979	P	255	210	201	42.00	126	P	102	1.4	18.2	G	C
30N/04W-23N04	HILL'S MOBILE, HOME PARK	01/16/1980	P	255	102	99	29.00	70	P	100	3.2	6.0	G	C
30N/04W-23P01	STANDARD OIL CA, SHOT 01-36	1955	--	260	20	--	--	--	--	--	--	--	G	C
30N/04W-23P02	ALISUN CEDAR MM	--	H	250	59	59	37.00	--	O	20	2.0	2.0	G	U
30N/04W-23Q02	CAYS	12/03/1974	H	250	60	60	20.00	--	O	12	--	--	G	U
30N/04W-23Q03	HARDER	09/05/1974	H	250	25	25	9.00	--	O	12	3.3	--	G	U
30N/04W-23Q04	TAVAREZ, EDUARDO	04/02/1974	H	265	57	57	35.00	--	O	10	2.5	2.0	G	C
30N/04W-23Q05	GILSDORF, EDWIN J	01/12/1978	H	265	55	55	18.00	--	O	18	1.0	1.0	G	C
30N/04W-23R01	NOLTE, JOHN	04/12/1968	H	260	30	30	14.00	16	P	30	60.0	--	G	U
30N/04W-24A01	L.B.D.INC.	07/28/1976	H	205	52	52	22.50	--	O	35	2.7	--	G	U
30N/04W-24A02	JOHNSON, R I	02/06/1976	H	200	59	59	35.67	--	X	20	--	--	G	U
30N/04W-24A03	FORNALSKI, PETE	09/29/1977	H	205	60	60	28.00	--	O	--	--	--	G	U
30N/04W-24A04	MEYER	04/25/1974	H	210	82	82	37.00	--	O	12	0.5	--	G	C
30N/04W-24A05	FAITH LUTHERAN, CHURCH	08/25/1966	H	195	32	32	9.00	--	O	18	2.6	--	G	U
30N/04W-24A06	HENDRICKSON, DON	12/20/1966	H	205	53	53	22.00	--	O	33	6.6	--	G	U
30N/04W-24A07	RUTLEDGE ENTPRS	12/16/1980	H	215	50	50	32.00	--	O	22	2.2	1.5	G	U
30N/04W-24R01	SANFORD	--	H,S	200	--	45	30.00	--	--	--	--	--		C
30N/04W-24R02	MEYER, ADAM	10/01/1980	H	205	60	60	30.50	--	O	15	--	1.0	G	U
30N/04W-24R03	MYERS, BILL	09/15/1980	H	225	82	81	41.00	--	O	25	--	1.0	G	U
30N/04W-24R05	GRAGG, BONNIE	05/06/1977	H	205	95	95	31.00	92	S	30	0.9	--	G	U
30N/04W-24R06	YOUNG	01/14/1975	H	225	63	63	44.00	--	O	25	--	--	G	U
30N/04W-24R07	CRAMER	04/19/1974	H	225	82	82	57.00	--	O	18	9.0	--	G	U
30N/04W-24R08	SPALINGER	04/09/1975	H	225	66	66	46.00	--	O	20	3.3	--	G	U
30N/04W-24C01	DARROW, JOHN	06/14/1977	H	195	75	75	24.25	70	S	40	--	2.0	G	U
30N/04W-24C02	SPARKS, BOB	02/15/1977	H	195	40	40	17.00	--	O	40	5.0	--	G	U
30N/04W-24C03	ROBERTSON, JIM	08/16/1977	H	195	84	84	12.00	80	S	40	1.4	--	G	U
30N/04W-24C04	ANDRESON, SHELDON	08/27/1977	H	195	120	50	15.00	29	P	30	2.0	--	G	U
30N/04W-24C05	PHILBRICK, CLAY	02/28/1977	H	205	54	54	22.00	--	O	15	0.7	--	G	U
30N/04W-24D01	SPENCER, JAMES	02/05/1976	H	200	31	31	18.67	--	O	10	--	--	G	C
30N/04W-24D02	SPENCER, JAMES	02/17/1978	H	200	38	38	21.00	--	O	15	1.9	2.0	G	C
30N/04W-24F01	PRIEST, JIM	06/05/1980	H	220	145	145	79.00	140	S	18	0.4	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-24F01	CARTER, CHARLES	10/17/1980	H	210	80	80	46.00	--	O	30	--	--	G	U
30N/04W-24G01	CROSBY, LEWIS	06/29/1974	H	220	71	71	38.00	--	O	20	1.7	--	G	U
30N/04W-24G02	SIMMONS, ANNA C	12/05/1975	H	232	79	79	55.00	--	O	25	--	--	G	C
30N/04W-24G03	CRAMER	04/23/1974	H	235	83	83	36.00	--	O	25	12.0	--	G	U
30N/04W-24G04	CRAMER	02/26/1975	H	235	61	61	37.50	--	O	18	--	--	G	U
30N/04W-24G05	MONEHICK, ANTHONY	11/28/1975	H	235	63	63	40.50	--	O	20	2.5	--	G	U
30N/04W-24G06	CRAMER-2, BRUCE	01/11/1977	--	235	112	112	47.00	98	P	60	--	1.0	G	U
30N/04W-24G07	CRAMER, BRUCE	01/07/1977	H	235	104	104	47.00	--	--	55	--	1.0	G	U
30N/04W-24G08	MEYER, DON	04/25/1974	H	235	82	82	37.00	--	O	12	0.5	--	G	U
30N/04W-24G09	CALDWELL	05/20/1973	H	230	80	80	42.00	--	O	36	12.0	--	G	U
30N/04W-24H01	MENDES	09/03/1974	H	240	47	47	21.00	--	O	35	4.4	--	G	U
30N/04W-24H02	KITTRELLE, ANN	07/20/1979	H	235	79	79	12.00	74	S	60	--	1.0	G	U
30N/04W-24H03	CRAMER, BRUCE	05/29/1973	H	220	74	74	17.00	--	O	18	0.6	--	G	U
30N/04W-24J01	NOLAN, JIM	09/06/1978	--	265	145	145	64.00	--	O	40	2.0	--	G	U
30N/04W-24J02	STANDARD OIL CA, SHOT 08-05	1955	U	280	80	80	--	--	--	--	--	--	G	C
30N/04W-24K01	FAITH BAPTIST	03/21/1974	--	280	90	90	56.50	86	S	8.0	--	--	G	U
30N/04W-24K02	TAGUE, S P & HAZL	--	H	270	90	90	51.00	85	S	10	0.8	4.0	G	U
30N/04W-24K03	OSTRAND, JOHN	11/06/1980	H	285	80	79	44.00	--	O	30	--	1.0	G	U
30N/04W-24M01	MILLAR	09/10/1974	H	235	64	64	2.00	59	S	50	1.4	3.0	G	U
30N/04W-24M02	ADKINS, LEWIS	10/27/1977	H	230	100	100	7.00	95	S	15	0.3	2.0	G	U
30N/04W-24M03	GORDON, THOMAS W	03/28/1978	H	235	104	104	8.00	99	S	16	0.4	1.0	G	U
30N/04W-24M04	HILL, ALBERT	10/13/1981	H	235	68	68	6.00	63	S	24	0.8	1.0	G	U
30N/04W-24M05	PAPIETRO, TONY	10/13/1981	H	235	98	98	11.00	93	S	60	1.8	1.0	G	U
30N/04W-24N01	SHERK, MAURICE	03/25/1977	H	285	124	124	47.00	119	S	40	2.2	2.0	G	U
30N/04W-24P01	LELAND	05/02/1974	H	291	91	91	48.00	87	S	12	--	--	G	U
30N/04W-24P02	SCHMELZER	03/27/1975	H	300	100	100	46.00	95	S	30	--	--	G	U
30N/04W-24P03	BENSEN, C L	10/27/1976	H	290	102	102	47.00	97	S	23	1.0	2.0	G	U
30N/04W-24Q01	ZALEWSKE, HENRY	05/10/1978	H	295	124	124	52.00	114	S	60	--	--	G	U
30N/04W-24Q02	ANDERS, KAROL	05/01/1973	H	290	93	93	48.50	87	S	20	2.2	--	G	U
30N/04W-24Q03	HELLWIG, GARY W	03/14/1972	H	290	92	92	48.00	87	S	20	1.3	--	G	U
30N/04W-24R01	BERGER	05/22/1975	H	282	276	276	61.00	272	S	30	0.5	--	G	C
30N/04W-24R02	LENZ, MILTON	09/13/1979	H	285	28	28	18.00	--	O	20	2.2	2.0	G	U
30N/04W-25A01	EVERGREEN WATER	01/02/1974	P	305	130	130	55.00	120	S	70	2.7	--	G	C
30N/04W-25A02	EVERGREEN WATER	05/26/1973	P	305	102	102	48.00	91	S	100	2.9	9.0	G	C
30N/04W-25A03	MEYERS, LOREN	08/24/1979	H	300	41	41	21.00	--	O	10	0.7	1.5	G	C
30N/04W-25B01	BAGLEY	09/30/1975	H	305	79	79	36.00	--	O	25	1.4	--	G	U
30N/04W-25B02	THOMAS, RALPH R	04/21/1971	H	300	90	90	53.00	--	O	25	1.1	--	G	U
30N/04W-25C01	CITY OF SEQUIM	07/30/1975	U	319	265	220	39.00	190	S	302	4.1	10.0	G	C
30N/04W-25C02	RIVETT	02/14/1973	H	310	91	91	34.66	--	O	36	36.0	--	G	U
30N/04W-25C03	PURVIS, ED	03/30/1978	H	310	114	114	59.00	109	S	30	--	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-25C04	PURVIS, ED	04/03/1978	H	310	118	118	59.00	113	S	30	--	--	G	U
30N/04W-25C05	OSBORN, ROSS	12/11/1978	H	310	99	99	45.00	--	O	60	--	--	G	U
30N/04W-25C06	MCLAUGHLIN, JOHN	12/20/1978	H	310	88	88	42.00	--	O	35	3.5	--	G	U
30N/04W-25C07	BECKMAN, EDGAR	07/20/1979	H	310	78	78	40.00	--	O	20	0.9	--	G	U
30N/04W-25C08	FRANDSEN	--	H	310	--	78	--	--	--	--	--	--		C
30N/04W-25C09	MCKINNEY	--	H	310	--	42	--	--	--	--	--	--		C
30N/04W-25C10	HENDRICKSON, DON	08/07/1972	H	305	93	93	31.78	--	O	25	1.3	--	G	C
30N/04W-25D01	BROWN, RON	03/21/1978	H	295	86	86	39.00	--	O	20	--	--	G	U
30N/04W-25D02	VINCENT, JIM	11/25/1977	H	295	89	89	40.00	--	--	9.0	0.2	--	G	U
30N/04W-25D03	LIDELL, ERIC	10/14/1977	H	319	80	80	40.00	--	O	15	--	--	G	C
30N/04W-25D04	JENNIGAN, HENRY	11/14/1978	H	315	86	86	45.00	--	O	10	0.3	3.0	G	U
30N/04W-25D05	BRIGGS, LOUIS	12/18/1978	H	295	100	99	41.50	--	O	50	--	--	G	U
30N/04W-25D06	PETERS	--	H	310	--	42	32.33	--	--	--	--	--		C
30N/04W-25D07	BOYLE	--	H	305	--	100	--	--	--	--	--	--		C
30N/04W-25D08	DUNN	--	H	319	--	51	31.90	--	--	--	--	--		C
30N/04W-25D09	BIEGLER	--	H	317	--	87	35.66	--	--	--	--	--		C
30N/04W-25D10	GRAHAM, RONALD	09/26/1980	H	305	100	97	36.00	--	O	30	--	1.0	G	U
30N/04W-25D11	BURDICK, WILLIAM	07/26/1968	H	305	73	71	25.00	--	O	18	0.6	--	G	U
30N/04W-25D12	HAMILTON, ED	10/20/1980	H	280	84	80	40.00	--	O	10	0.5	1.5	G	U
30N/04W-25E01	JONES, R O	--	--	321	--	48	32.00	--	--	--	--	--		C
30N/04W-25F02	JOHNSON	08/20/1974	H	320	88	88	34.00	--	O	40	--	--	G	U
30N/04W-25F04	CORREIA, ERNEST	07/27/1976	H	320	70	70	35.00	--	O	10	--	--	G	U
30N/04W-25F05	ERICKSON	01/21/1975	H	320	66	66	41.50	--	O	15	1.5	--	G	U
30N/04W-25F06	GOERZ, STAN	03/16/1978	H	330	81	81	42.00	--	O	15	0.4	--	G	U
30N/04W-25F07	STAHLBAUM, ROLF	--	H	320	111	110	52.00	--	O	18	0.5	2.0	G	U
30N/04W-25F08	--	--	H	318	--	100	37.15	--	--	--	--	--		C
30N/04W-25F09	ROBINSON	--	H	318	--	100	--	--	--	--	--	--		C
30N/04W-25F10	LOWMAN, H C	07/19/1972	H	319	110	110	27.00	--	O	20	0.9	--	G	C
30N/04W-25F01	WALKER	12/18/1973	H	320	101	101	54.00	--	O	36	14.0	4.0	G	U
30N/04W-25F02	FRANK, CLEARANCE	10/03/1977	H	325	101	101	56.00	96	S	25	--	2.0	G	U
30N/04W-25F03	GORVOE, BILL	10/03/1977	H	320	85	85	45.00	--	O	14	14.0	1.5	G	U
30N/04W-25F04	SMITH, NEIL	12/13/1978	H	325	115	115	56.00	--	O	30	--	--	G	U
30N/04W-25F05	FULLER	--	H	318	--	120	39.05	--	--	--	--	--		C
30N/04W-25F06	FULLER	--	H	317	--	50	30.05	--	--	--	--	--		C
30N/04W-25F07	WHITE & JOHNSTN	08/16/1971	H	316	92	92	39.20	--	O	18	0.8	--	G	C
30N/04W-25F08	HATTEN, A H	12/06/1976	H	320	91	91	50.00	--	O	14	0.5	--	G	U
30N/04W-25G01	LIVINGSTON	--	H	320	--	72	30.00	--	--	--	--	--		C
30N/04W-25H01	BERG, LUCILLE	06/16/1977	H	320	120	120	54.00	115	S	50	--	2.0	G	U
30N/04W-25K01	PIERCE, JAMES F	09/21/1979	H	340	100	100	70.00	95	S	20	--	1.5	G	U
30N/04W-25K02	HENRIKSSON, GUSTAV H	11/06/1971	H	340	110	110	73.00	104	S	30	15.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-25L01	COBURN	01/27/1975	H	360	107	107	75.00	--	O	9.0	1.3	2.0	G	U
30N/04W-25L02	NELSON, RAY	06/08/1977	H	345	132	132	80.00	127	S	20	1.0	2.0	G	U
30N/04W-25L03	ROBINSON, FRANCES	11/16/1977	H	345	126	126	75.00	121	S	14	--	--	G	U
30N/04W-25L04	PURVIS, HAROLD	04/06/1978	H	345	109	109	71.00	103	S	30	--	--	G	U
30N/04W-25L05	CHURCH, ROBERT L	05/12/1978	H	350	110	110	81.00	--	O	13	--	--	G	U
30N/04W-25L06	PRICE, BOB	05/03/1974	H	363	101	101	78.00	--	O	15	--	--	G	U
30N/04W-25L07	WEATHERBEE, MERLIN	02/08/1977	H	363	95	95	85.00	--	O	10	5.0	--	G	U
30N/04W-25L09	PARKER, JAMES R	04/15/1970	H	345	118	118	79.00	--	O	20	2.9	--	G	U
30N/04W-25M01	EASTERLY	01/14/1974	H	345	118	118	69.00	113	S	36	3.6	1.5	G	C
30N/04W-25M02	TENNESON	05/13/1974	H	345	107	107	76.00	--	O	15	7.5	--	G	U
30N/04W-25M03	CORREIA	05/02/1974	H	345	115	115	72.00	106	S	18	7.2	2.0	G	U
30N/04W-25M04	SANFORD, PHILL	03/18/1976	H	350	105	105	69.00	--	O	12	0.5	1.0	G	U
30N/04W-25M05	DOBBS, FRANK	03/20/1978	H	350	109	109	71.00	104	S	25	--	--	G	U
30N/04W-25M06	PERVIC, WILBER	06/13/1979	H	350	100	99	66.50	--	O	30	--	1.0	G	U
30N/04W-25M07	ROWLAND, DAVID	11/05/1979	H	350	118	117	67.00	--	O	50	--	--	G	U
30N/04W-25M08	STUSSER, STEVE	05/07/19A1	H	350	180	177	72.00	172	S	20	0.6	2.0	G	U
30N/04W-25N01	VIELE	07/23/1975	H	370	98	98	75.50	--	O	20	--	--	G	U
30N/04W-25N02	KANE	08/23/1974	H	360	101	101	78.00	--	O	20	10.0	--	G	U
30N/04W-25N03	JOHNSON	09/22/1975	H	363	100	100	73.00	--	O	11	--	--	G	U
30N/04W-25N04	JORDAN, DOUG	10/29/1976	H	365	120	120	73.00	117	S	20	0.9	--	G	U
30N/04W-25N05	PETERS, ROY	04/08/1976	H	360	112	112	79.00	--	O	30	--	1.0	G	U
30N/04W-25N06	KANE, LEON	05/18/1978	H	365	109	109	81.00	--	O	30	--	--	G	U
30N/04W-25P01	MCNABB, ART	03/21/1977	H	360	130	125	84.00	115	S	22	1.8	2.0	G	U
30N/04W-25P02	SECOR, HARRY	05/05/1970	H	360	153	153	86.00	145	P	15	0.4	--	G	U
30N/04W-26A01	BERNABEA, BOB	10/30/1978	H	280	85	85	39.00	--	O	12	0.8	1.5	G	U
30N/04W-26A02	ROBB, WILLIAM H	03/16/1979	H	270	50	43	26.00	38	S	4.0	0.4	2.0	G	U
30N/04W-26B01	MCNAMARA, EDNA	12/10/1979	H	280	51	51	35.00	--	O	18	1.8	1.5	G	U
30N/04W-26B02	SHERWOOD, VERNICE L	09/05/1966	H	285	98	98	30.00	--	O	10	0.3	--	G	U
30N/04W-26B03	SHINE, GEORGE E	03/25/1971	H	275	147	147	47.00	--	O	--	--	--	G	U
30N/04W-26C01	ROBERTS	--	H	278	--	15	11.00	--	--	--	--	--		C
30N/04W-26C02	MEANS, PAUL	01/16/1978	H	275	76	76	25.00	--	O	35	1.4	--	G	U
30N/04W-26D01	WAYNE, GORDON	05/30/1979	H	300	85	84	65.00	79	S	12	3.0	0.5	G	U
30N/04W-26D02	RYGARD, EDGAR	02/15/1963	H	360	125	125	75.00	--	O	10	0.4	--	G	U
30N/04W-26F01	MORRIS	01/16/1974	H	360	91	91	62.00	--	O	6.0	0.4	3.0	G	U
30N/04W-26E02	DRAKE	10/10/1974	H	369	130	130	94.00	125	S	20	2.0	2.0	G	C
30N/04W-26F03	GUGEL	12/09/1975	H	369	130	130	104.00	125	S	15	15.0	2.0	G	C
30N/04W-26G01	YOUNG, BRUCE	06/16/1972	U	300	160	95	27.00	73	P	2.5	0.1	--	G	U
30N/04W-26G02	YOUNG, BRUCE	06/16/1972	H	300	40	40	13.00	35	S	4.0	0.1	--	G	U
30N/04W-26H01	BARNES	08/29/1974	H	290	61	61	8.00	--	O	30	6.0	--	G	U
30N/04W-26H02	PETTY, JACK	11/29/1977	H	287	60	60	13.00	--	O	12	0.5	1.5	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-26H03	BLACK, DENNIS	05/09/1979	H	290	24	24	8.00	--	O	15	15.0	1.5	G	U
30N/04W-26J01	DUNGENESS HOMES	03/05/1969	H	330	230	230	53.00	122	S	405	27.0	5.0	G	U
30N/04W-26J02	THREE CRAB'S	10/21/1980	H	360	100	100	62.00	--	O	30	--	--	G	U
30N/04W-26M01	HOFFMAN, GLENN	07/26/1978	H	390	111	111	87.00	106	S	20	5.0	2.5	G	U
30N/04W-26M02	OSWALD, DAVE	08/20/1979	H	400	145	145	115.00	--	O	6.0	0.4	1.5	G	U
30N/04W-26M03	SCHRODER, DILLARD	07/24/1979	H	420	102	102	54.00	97	S	6.0	--	1.5	G	U
30N/04W-26N01	WARD	08/11/1967	H	402	135	135	32.00	27	X	5.0	0.1	2.0	G	U
30N/04W-26P01	RUSSELL	01/11/1974	H	370	80	80	52.00	--	O	5.0	0.2	3.0	G	U
30N/04W-26P02	FREDRICKSON, PETE	10/19/1977	H	350	65	65	10.50	--	O	15	--	--	G	U
30N/04W-26P03	FELLINGHAM, WARREN	08/29/1977	H	335	121	121	5.50	44	P	1.5	--	--	G	C
30N/04W-26Q01	GEORGE	09/10/1970	H	320	61	61	24.00	--	O	20	5.0	2.0	G	U
30N/04W-26Q02	DRURY, C M	10/23/1980	H	320	78	78	36.00	73	S	20	1.3	1.0	G	U
30N/04W-26Q03	CRAVAN, LOUISE	10/30/1980	H	325	79	79	36.00	74	S	20	--	1.5	G	U
30N/04W-26R01	KING, CHESTER W	04/13/1946	I,H	340	--	57	12.00	51	P	37	1.0	4.0	G	C
30N/04W-27A01	BENTZ, K A	1959	H	320	74	74	65.20	--	--	10	5.0	--	G	C
30N/04W-27A02	JOHNSON, IVER	03/15/1977	H	345	131	131	90.00	--	O	20	10.0	2.0	G	U
30N/04W-27A03	BAYLESS, HOWARD	03/27/1978	H	325	201	201	100.00	--	O	12	--	--	G	U
30N/04W-27A04	HILLS, L A	09/18/1978	H	325	99	99	81.00	--	O	25	8.3	--	G	U
30N/04W-27A05	HILLS, LAVERNE	--	H	325	170	170	106.00	100	X	0.33	--	--	G	U
30N/04W-27A06	BENTZ	08/27/1971	H	320	95	95	80.00	87	S	7.0	1.0	--	G	U
30N/04W-27A07	DUNLAP, LYNN	09/01/1967	U	410	180	180	D	--	--	0.00	0.0	--	G	U
30N/04W-27R01	HANSEN	07/18/1975	H	400	61	60	27.00	57	S	15	1.9	2.0	G	U
30N/04W-27F02	MARTIN, WAYNE	01/31/1980	H	460	160	160	79.00	125	P	7.3	0.2	3.0	G	U
30N/04W-27F01	BARNES	11/26/1974	H	440	100	100	29.00	--	O	4.0	--	--	G	U
30N/04W-27F02	THOMPSON, HOWARD E	02/05/1980	H	450	114	114	54.30	89	P	8.0	0.4	1.0	G	U
30N/04W-27G01	CALLIS, JOHN L	07/20/1960	H	475	68	68	56.50	--	O	6.0	3.3	--	G	C
30N/04W-27G02	LEMCKE, BRIAN	04/25/1978	H	435	120	103	55.00	98	S	5.0	--	--	G	U
30N/04W-27G03	CALLIS, JOHN	10/05/1970	H	475	120	80	10.00	19	P	12	--	--	G	U
30N/04W-27H01	POWELL, ARCHIE,JR. D	03/04/1972	H	380	144	144	30.00	46	P	1.0	0.0	1.5	G	U
30N/04W-27K01	SNYDER, DAWSON	05/31/1976	H	470	147	147	74.00	--	O	6.0	0.1	--	G	U
30N/04W-27K02	WOOD, LAUREL V	01/12/1966	H	470	117	117	77.00	--	O	8.0	0.4	--	G	U
30N/04W-27L01	KEARNEY, ALBERT	02/13/1978	H	530	84	84	52.00	--	O	4.0	0.4	4.0	G	U
30N/04W-27L02	BACZIK, ACICE	11/14/1980	H	530	152	150	38.00	145	S	6.0	0.1	2.0	G	U
30N/04W-27M01	SCOTT, GADEN	10/08/1976	H	540	96	96	68.00	91	S	11	1.6	--	G	U
30N/04W-27M02	KAPPLEMAN, FRED	06/21/1978	H	550	84	84	55.00	--	O	4.0	--	3.0	G	C
30N/04W-27N01	FIELDER, ED	02/21/1980	H	580	101	100	44.00	--	O	7.0	0.1	1.5	G	U
30N/04W-27P01	PIERCE	06/27/1975	H	550	36	36	14.00	26	P	4.0	0.7	2.0	G	U
30N/04W-27P02	STARR, RANDALL	02/21/1967	H	530	205	205	--	--	--	--	--	--	G	U
30N/04W-27Q01	EFNOR, P C	06/19/1980	H	500	129	128	84.00	--	O	35	--	1.0	G	U
30N/04W-28H01	GOFORTH, JAMES	10/13/1978	H	470	74	69	34.00	64	S	10	1.1	3.5	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/04W-29R01	THOMPSON, D C	12/06/1979	H	510	143	143	71.00	138	S	15	0.3	--	G	U
30N/04W-29C01	RAINS, BOB	02/06/1978	H	510	148	148	65.00	143	S	25	0.8	--	G	U
30N/04W-29C02	FURTNER, D	11/06/1972	H	480	120	80	30.00	62	F	10	0.4	--	G	U
30N/04W-29P01	BROWN, EDWARD D	09/13/1976	H	490	106	99	1.00	94	S	20	0.4	3.5	G	U
30N/04W-29P02	SHORT, ROBERT	08/30/1976	H	480	115	115	5.50	--	S	20	0.3	--	G	C
30N/04W-30A01	OBRIAN, GEORGE	07/17/1971	H	470	130	90	25.00	50	F	3.5	0.1	--	G	U
30N/04W-30P01	FOX, BILL	09/29/1977	H	470	190	190	55.00	156	X	8.0	8.0	1.5	G	U
30N/04W-30F01	SOBLECK, DAVID	08/08/1979	H	570	202	110	60.00	68	P	0.75	0.0	1.5	G	U
30N/04W-30F01	OLYMPIC LOG HMS, TOM BRADY	08/02/1978	H	560	166	166	130.00	--	O	5.0	5.0	1.5	G	U
30N/04W-30G07	BLAIR, EARL	05/13/1977	H	535	162	162	107.00	--	O	10	0.2	2.0	G	U
30N/04W-30M01	POTTER, E G	12/26/1973	H	520	58	53	15.00	--	O	5.0	0.3	2.0	G	U
30N/04W-30K01	COLE, DUANE R	03/04/1975	H	600	108	90	59.00	85	S	9.0	0.6	3.0	G	U
30N/04W-30K02	RICHMOND-2, CLAYTON R	01/19/1976	U	600	155	155	D	--	--	0.00	0.0	--	G	U
30N/04W-30K03	RICHMOND-3, CLAYTON R	01/19/1976	H	600	115	20	12.00	12	P	2.0	0.2	--	G	U
30N/04W-30K04	RICHMOND-4, CLAYTON R	--	U	600	75	75	D	--	--	0.00	0.0	--	G	U
30N/04W-30D01	SUTHERMAND-1, ROBERT	05/20/1976	U	680	65	65	D	--	--	0.00	0.0	--	G	U
30N/04W-30D02	SUTHERMAND-2, ROBERT	05/20/1976	U	680	28	28	D	--	--	0.00	0.0	--	G	U
30N/04W-30D03	SUTHERMAND-3, ROBERT	05/20/1976	H	680	70	41	3.00	19	S	5.0	0.4	3.0	G	U
30N/04W-30R01	RAMSEY, BOB	03/21/1974	H	620	107	97	86.00	94	S	13	--	--	G	U
30N/04W-30P02	KUSAH, TED	09/04/1979	H	620	160	160	77.00	140	X	8.0	0.1	--	G	U
30N/04W-34R01	CUMMINS, WALT	02/15/1978	H	545	50	50	7.00	--	O	4.5	--	3.0	G	C
30N/04W-34C01	LYNCH, HUGH	05/28/1976	H	540	110	110	14.50	50	P	7.0	--	2.0	G	U
30N/04W-34N01	STETSON, DONALD L	11/23/1976	H	540	200	200	10.00	87	P	15	--	5.0	G	U
30N/04W-34K01	BOND, MORRIS	07/08/1966	H	580	188	188	111.00	--	O	2.0	0.0	--	G	U
30N/04W-34L01	STERES, CHRIS	12/10/1980	H	685	185	185	0.00	33	X	1.5	0.0	1.0	G	U
30N/04W-34L02	MCBRIDE, ROBERT L	12/22/1980	U	685	385	385	D	19	X	0.00	0.0	--	G	U
30N/04W-34L03	MCGARRY, ARTHUR T	01/23/1981	H	685	30	29	2.00	24	S	1.8	0.1	4.0	G	U
30N/04W-34L04	PERNIEL, GODFREY	01/08/1981	H	685	60	60	0.00	21	P	1.0	0.0	2.0	G	U
30N/04W-34L05	PERLOFT, MARVIN	12/29/1980	H	685	120	29	2.00	20	S	5.0	0.4	1.5	G	U
30N/04W-34L06	MCBRIDE, ROBERT	12/25/1980	H	685	345	345	3.00	24	P	0.10	0.0	24.0	G	U
30N/04W-34N01	ZASESKI, EMILY	11/19/1979	H	720	77	71	42.00	--	O	15	1.5	1.5	G	U
30N/04W-35A02	ANDERSON, WILLIAM E	06/12/1978	H	355	38	38	10.00	--	O	7.0	--	--	G	U
30N/04W-35R01	PETTIT, ELIZABETH A	08/10/1977	H	358	34	34	10.00	--	O	30	3.0	1.0	G	C
30N/04W-35R02	RIFE, DAL	02/16/1979	H	350	33	33	12.00	--	O	24	4.8	1.5	G	U
30N/04W-35R03	TARBUCK, R R	11/03/1980	H	370	74	74	50.30	--	O	20	--	1.0	G	U
30N/04W-35C01	COURTIER	03/16/1974	H	350	95	95	13.00	32	P	9.0	0.3	2.0	G	U
30N/04W-35C02	MCCALL, E J	05/26/1976	H	360	48	48	12.50	26	P	15	--	1.5	G	U
30N/04W-35C03	PAPIERSKI, ED	03/05/1979	H	360	62	58	5.00	33	P	18	0.4	--	G	U
30N/04W-35D01	SPARKS, DON	11/10/1977	H	460	54	54	27.00	--	O	11	0.7	1.5	G	U
30N/04W-35G01	FERNIE, BRUCE	06/01/1977	H	385	86	86	45.00	--	O	17	17.0	1.5	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)		SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/04W-35G02	RIFE, DAL	01/24/1978	H	395	93	93	82.00	--	O	7.0		--	2.0	G	U
30N/04W-35G03	DAVIS, BOB	06/26/1977	H	395	95	91	74.00	--	O	1.5		--	--	G	U
30N/04W-35G04	TOWNSAND, BILL	10/26/1979	H	385	77	77	58.00	--	O	12		0.8	2.0	G	U
30N/04W-35G05	DE PYSS, ROMAN	04/10/1977	H	395	92	91	70.50	--	O	20		--	1.5	G	U
30N/04W-35L01	ALLEN, LESTER	05/23/1977	H	430	93	93	85.00	--	O	15		15.0	1.0	G	U
30N/04W-35L02	BENHAM, JIM	11/02/1977	H	405	27	27	14.00	--	O	11		2.2	1.5	G	C
30N/04W-35L03	SMITH, RON	12/01/1978	H	430	47	47	25.00	--	O	13		0.9	--	G	U
30N/04W-35N01	WILSON, JAMES	10/23/1978	H	550	96	96	31.00	16	X	4.0		--	--	G	U
30N/04W-35P01	NORRIS, BOB	06/21/1976	H	510	135	135	110.00	--	X	17		2.6	2.0	G	C
30N/04W-35P02	WILKIE	10/25/1972	--	460	95	95	68.00	74	P	18		3.0	--	G	U
30N/04W-35P03	STIRATT, RALPH	09/22/1977	H	510	242	242	192.00	214	P	2.5		0.1	--	G	U
30N/04W-35P04	JACKSON, ROBERT L	05/25/1976	U	475	188	181	162.00	176	S	9.0		3.0	2.0	G	C
30N/04W-35P05	RIDGEFIELD	--	H	460	90	86	64.00	--	O	10		10.0	3.0	G	U
30N/04W-35P06	STIRRATT, RALPH	02/24/1978	H	470	254	229	190.00	211	S	1.5		0.1	16.0	G	U
30N/04W-35P07	CANTWELL, SAMUEL	12/18/1972	H	510	108	108	96.00	--	O	12		36.0	--	G	U
30N/04W-36R01	OQUIST, SELFRID	11/15/1978	U	390	42	40	24.00	35	S	12		1.2	1.5	G	C
30N/04W-36H01	JOHNSTONE, R H	08/17/1981	H	500	60	57	4.00+	--	O	20		1.4	1.0	G	U
30N/04W-36J01	COUTU, O L	06/07/1977	U	585	120	120	D	--	--	0.00		0.0	--	G	U
30N/04W-36K01	BROWNLEE, ROBERT	05/19/1971	H	600	80	80	69.00	--	--	7.0		--	--	G	U
30N/04W-36K02	COUTU, OLIVER	08/18/1981	H	580	81	81	35.00	54	P	1.5		0.0	1.5	G	U
30N/04W-36L01	WANNER, HAT	01/30/1980	--	430	240	220	90.00	211	P	1.5		0.0	2.0	G	U
30N/04W-36P01	WILLIAMS-2, ROBERT	08/11/1977	H	660	100	100	2.00+	45	P	4.0	F	4.0	--	G	U
30N/04W-36P02	WILLIAMS-3, ROBERT	08/16/1977	H	660	64	64	11.00	62	X	5.0		--	--	G	U
30N/04W-36P03	WILLIAMS-1, ROBERT	08/09/1977	U	660	180	180	D	--	--	0.00		0.0	--	G	U
30N/04W-36P04	COUTU, O L	06/29/1977	U	660	395	395	D	--	--	0.00		0.0	--	G	U
30N/04W-36P05	PROVONDRA, WILLIAM	01/16/1981	H	660	64	60	6.00	--	O	5.0		0.2	4.0	G	U
30N/05W-02P01	GERHKE	11/ /1966	H	140	--	142	--	--	--	10		--	--		C
30N/05W-02R02	SAMUELSON, NORMAN	04/13/1971	H	130	206	202	129.50	--	O	25		2.5	--	G	U
30N/05W-07L01	BATZMAN, HOWARD	05/12/1977	H	200	232	232	189.50	209	P	20		3.1	2.0	G	U
30N/05W-08N01	UNION OIL CALIF, OIL TEST 5	1948	U	60	32	32	--	--	--	--		--	--		U
30N/05W-09J01	UNION OIL CALIF, OIL TEST 3	1948	U	180	130	130	--	--	--	--		--	--		U
30N/05W-09N01	WIGGINS, MIKE	08/04/1980	H	250	261	261	220.00	--	O	10		0.5	--	G	U
30N/05W-10A01	KEHLE & HAWLEY	10/26/1962	U	225	235	234	213.33	224	S	140		67.0	19.0	G	C
30N/05W-10F01	CLALLAM PUD NO1	12/03/1965	P	200	214	205	177.00	195	S	330		82.5	24.0	G	C
30N/05W-10N01	BROOKS, ROBERT	05/11/1981	H	300	361	190	74.00	110	P	2.5		0.1	3.0	G	U
30N/05W-11J01	JOHNSON, STEVE	01/21/1980	H	185	34	34	12.00	--	O	25		3.1	1.0	G	U
30N/05W-11P01	UNION OIL CALIF, OIL TEST 6	1948	U	275	532	532	--	--	--	--		--	--		U
30N/05W-12A01	CORLETT, DONALD	1962	H	140	--	152	130.00	--	S	--		--	--		C
30N/05W-12C01	WEINZERL-DOUGLS	--	H	140	--	144	--	--	--	--		--	--		C
30N/05W-12F01	GALLOWAY, ELMER	--	H,S	170	--	110	79.75	--	--	--		--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/05W-12M01	JARVIS, E J	--	H	145	--	76	67.48	--	--	--	--	--		C
30N/05W-12J01	ERNY, R H	04/18/1979	H	170	108	108	90.00	--	O	17	17.0	1.5	G	U
30N/05W-12K01	BRUCKNER	08/28/1975	H	172	130	105	84.60	102	S	25	5.0	--	G	C
30N/05W-12K02	SNIDER, VERNON	05/30/1978	H	175	109	109	92.00	--	O	7.0	--	--	G	U
30N/05W-12L01	DICKINSON, G	--	H	190	--	102	97.19	--	--	--	--	--		C
30N/05W-12N01	ADOLPHSEN, P	--	H,S	115	--	4	0.81	--	--	--	--	--		C
30N/05W-12P01	STODARD, STANLEY D	09/10/1963	H	175	176	176	155.00	--	O	8.0	2.0	--	G	U
30N/05W-13F01	BAILEY, W D	--	H,S	246	--	20	1.55	--	--	--	--	--		C
30N/05W-13E02	UNION OIL CALIF, OIL TEST	1948	U	270	395	395	--	--	--	--	--	--		C
30N/05W-13H01	UNION OIL CALIF, OIL TEST	1948	U	190	110	110	--	--	--	--	--	--		C
30N/05W-13K01	CRAIN, RAY	--	H,S	308	--	5	2.00	--	--	--	--	--		C
30N/05W-13M01	UNION OIL CALIF, OIL TEST	1948	--	285	62	62	--	--	--	--	--	--		C
30N/05W-14A01	WELLER, CLAPENCE	07/13/1979	H	250	94	94	68.00	--	O	20	20.0	1.5	G	U
30N/05W-14E01	PRT ANGELES OIL, OIL TEST	10/14/1961	U	315	3009	3009	--	--	--	--	--	--		U
30N/05W-15C01	DUTRO, OR	03/04/1966	H	355	313	313	9.00	20	P	7.0	0.3	--	G	U
30N/05W-15K01	UNION OIL CALIF, OIL TEST 1	1948	U	350	302	302	--	--	--	--	--	--		U
30N/05W-15K02	PRT ANGELES OIL, OIL TEST	12/11/1961	U	340	6218	6218	--	--	--	--	--	--		U
30N/05W-15R01	UNION OIL CALIF, OIL TEST 8	1948	U	430	69	69	--	--	--	--	--	--		U
30N/05W-16R01	UNION OIL CALIF, OIL TST2A	1948	U	270	--	--	--	--	--	--	--	--		U
30N/05W-16C01	UNION OIL CALIF, OIL TEST 2	1948	U	260	--	--	--	--	--	--	--	--		U
30N/05W-16C02	UNION OIL CALIF, OIL TST2B	1948	U	275	342	342	--	--	--	--	--	--		U
30N/05W-16J01	ABBOTT CONSTRUC	01/26/1978	H	325	68	68	32.00	63	S	5.0	0.1	--	G	U
30N/05W-16J02	TEEFY, RAY	06/09/1977	H	330	68	65	28.00	57	P	7.0	0.6	2.0	G	U
30N/05W-16L01	UNION OIL CALIF, OIL TST 11	1948	U	315	62	62	--	--	--	--	--	--		U
30N/05W-16Q01	UNION OIL CALIF, OIL TEST 9	1948	U	350	180	180	--	--	--	--	--	--		U
30N/05W-18F01	PHILLIPS, D B	1935	H	325	--	40	13.00	--	--	64	21.0	4.0		C
30N/05W-18F02	PHILLIPS, D B	07/01/1970	U	325	40	40	18.00	21	P	54	27.0	0.5	G	C
30N/05W-18M01	GROVES, TED	04/25/1977	U	400	180	180	D	--	--	0.00	0.0	--	G	C
30N/05W-18M02	WOMACK, VINCENT	12/14/1978	H	400	120	90	33.00	37	P	10	1.0	1.5	G	U
30N/05W-19A01	BATES, RICHARD	05/06/1977	H	300	175	88	28.00	37	P	12	1.0	3.0	G	U
30N/05W-19R01	SHARPE, LARS E	01/03/1978	H	470	127	127	104.00	--	O	9.0	0.6	3.0	G	C
30N/05W-19L01	HERNANDEZ, BILL	08/31/1978	H	650	56	56	10.00	20	X	1.0	--	--	G	C
30N/05W-19M02	JARNAGIN, PAT	11/09/1977	H	620	18	18	2.00	14	X	25	5.0	1.5	G	C
30N/05W-19P01	MARKS, DENNIS	09/19/1977	H	650	138	138	116.00	--	O	6.0	1.2	1.5	G	C
30N/05W-19Q01	CARLSON, LLOYD	10/10/1975	H	650	126	126	110.00	--	O	12	2.4	--	G	C
30N/05W-19Q02	HULSE, VIC	03/16/1977	H,S	600	152	152	124.00	--	O	7.0	0.4	--	G	C
30N/05W-19Q03	BEARD, TOM	01/26/1976	H	600	135	135	113.50	--	O	15	1.5	1.0	G	C
30N/05W-20A01	ROGERS, BYRON	05/11/1979	H	440	95	95	60.00	90	S	10	0.5	1.5	G	U
30N/05W-20R01	HILL, HOWARD	02/10/1970	S	450	119	111	58.00	106	S	7.5	0.2	2.0	G	C
30N/05W-21R01	SCHMOCKER, JOHN E	06/10/1963	I,H	460	90	90	8.00	--	O	17	0.3	2.0	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CH
30N/05W-21F01	UNION OIL CALIF, OIL TS 10A	1948	U	490	290	290	--	--	--	--	--	--		U
30N/05W-21G01	UNION OIL CALIF, OIL TEST 10	1948	U	540	200	200	--	--	--	--	--	--		U
30N/05W-22G01	DONINER, JEFF	09/11/1979	H	570	80	80	45.00	75	S	8.0	--	1.5	G	U
30N/05W-22H01	STERN, ROBERT	11/11/1980	H	510	58	57	19.40	--	O	35	--	1.0	G	U
30N/05W-23C01	SIMPKINS, A O	1929	H,S	450	--	12	6.00	--	--	--	--	--		C
30N/05W-23J01	DPT PUBLIC WRKS	08/28/1974	H	500	104	104	70.00	99	S	--	--	--	G	U
30N/05W-23M01	TAIT, TOM	06/19/1979	H	565	42	38	14.00	--	O	12	0.5	2.0	G	U
30N/05W-24D01	FARLEY, CLIFF	11/23/1975	H	470	131	130	43.00	125	S	12	0.5	2.0	G	U
30N/05W-25A01	LESTER, WILLIAM	06/17/1974	H	580	193	193	62.00	164	P	6.0	0.1	--	G	U
30N/05W-25C01	ATHAY, CHARLES	08/27/1978	U	570	120	120	D	29	X	0.00	0.0	--	G	U
30N/05W-25C02	ATHAY, CHARLES	09/18/1978	H	570	101	61	24.00	47	P	6.0	0.1	2.0	G	U
30N/05W-25C03	GRATTON, ROBERT	09/22/1978	H	595	154	154	52.00	149	S	5.0	0.1	1.5	G	U
30N/05W-25C04	THOMAS, GARRETT	06/30/1979	H	570	85	85	23.00	40	P	6.0	0.1	--	G	U
30N/05W-25C05	GUALT, JEFF	08/02/1979	H	570	110	110	30.00	83	P	1.0	--	--	G	U
30N/05W-25D01	IRONS, RAY	06/ /1976	H	595	90	90	27.50	44	P	17	0.3	2.0	G	U
30N/05W-25G01	HERRICK, GARY	12/15/1979	H	595	200	195	18.00	16	P	4.5	0.0	3.0	G	U
30N/05W-25M01	NEUENSCHWANDER, FRED	1907	I,H,S	735	6	6	0.00	--	O	8.0	1.3	--	G	U
30N/05W-26H01	RADICH, EARL	04/03/1974	H	620	59	59	37.00	54	S	10	1.7	3.0	G	U
30N/05W-26H02	RADICH, EARL	04/13/1967	H	620	58	58	44.00	--	O	10	5.0	--	G	U
30N/05W-26K01	PETERS, KEITH	08/17/1978	U	715	261	261	D	--	--	0.00	0.0	--	G	U
30N/05W-26K02	PETERS, KEITH	08/24/1978	U	715	207	207	D	--	--	0.00	0.0	--	G	U
30N/05W-26P01	CHILDERS, BILL	05/18/1979	H	850	135	35	13.50	30	S	2.5	0.4	2.0	G	U
30N/05W-26P01	BOWERS, KATHY	02/03/1979	H	870	252	252	210.00	--	O	8.0	0.4	1.5	G	U
30N/05W-27C01	DEKAY, J T	1927	U	700	114	114	--	--	--	--	--	--		U
30N/05W-27G01	HOPPER 2, SCOTT	11/ /1977	H	760	16	16	--	--	--	--	--	--	G	C
30N/05W-27G02	UNION OIL CALIF, OIL TST 14	1948	U	750	420	420	--	--	--	--	--	--		U
30N/05W-27H01	CRAKER, TOM	05/04/1978	H	750	87	87	68.00	84	S	6.0	1.2	1.5	G	C
30N/05W-27P01	UNION OIL CALIF, OIL TST 15	1948	U	850	350	350	--	--	--	--	--	--		U
30N/05W-29L02	PEARSON, BOB	08/25/1976	H	700	270	270	D	--	--	0.00	0.0	--	G	C
30N/05W-29L03	EATON, NORTHROP	09/13/1976	H	740	120	120	88.00	118	X	20	--	1.0	G	C
30N/05W-29M01	ILK, STEVE	03/23/1977	H	810	80	80	31.50	18	X	25	0.7	--	G	C
30N/05W-29M03	ERWICK, DALE	06/15/1978	H	750	47	47	0.00	20	X	6.0	--	1.5	G	C
30N/05W-29M04	WALDRON, DON	06/29/1978	H	740	134	134	32.00	34	X	2.8	--	2.0	G	C
30N/05W-29M05	WILLIAMSON, BILL	09/22/1976	H	780	40	40	7.60	10	X	15	--	--	G	C
30N/05W-29N01	CROUSE	10/18/1975	H	840	90	90	19.00	20	X	12	0.2	--	G	C
30N/05W-29P01	WRIGHT, AL	04/09/1976	H	780	100	100	15.00	10	X	8.0	0.1	--	G	C
30N/05W-30P01	DROZ, ROGER	09/22/1977	H	600	180	180	D	--	--	0.00	0.0	--	G	C
30N/05W-30C01	RIDER, E	04/25/1977	H	670	180	180	66.33	120	P	2.0	0.0	2.0	G	C
30N/05W-30C02	SCOVIL, EO	04/05/1978	H	660	112	112	87.00	--	O	6.0	1.5	1.5	G	C
30N/05W-30C03	SHORES, DICK	05/02/1977	U	670	180	180	D	--	--	0.00	0.0	--	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/05W-30C04	SHORES, DICK	04/23/1977	U	670	240	240	D	--	--	0.00	0.0	--	G	C
30N/05W-30C05	LEEM, AL	09/05/1979	--	700	60	60	2.00	12	X	50	3.3	1.5	G	U
30N/05W-30D03	LEE, EB	04/18/1977	H	700	94	94	F	34	P	7.0	--	2.0	G	C
30N/05W-30F01	BAILEY, JOHN W	05/10/1977	H	800	135	135	25.00	95	P	30	--	1.5	G	C
30N/05W-30F02	MEINER, G S	04/15/1977	H	800	200	200	F	20	X	5.0	--	2.0	G	C
30N/05W-30F03	LEE, A	05/10/1977	H	750	152	152	14.70	112	P	30	--	1.5	G	C
30N/05W-30F04	MULLINS, MELVIN	08/09/1978	H,S	820	37	37	5.00	35	X	30	--	--	G	C
30N/05W-30H01	WHITTY, KEN	07/24/1974	H	750	170	170	34.00	130	P	6.0	0.1	2.0	G	C
30N/05W-30H02	LIPPINCOTT, GREG	11/18/1979	H	725	37	37	1.00	18	X	15	0.8	1.5	G	U
30N/05W-30J01	TEEL, HOWARD	11/16/1972	I,H	800	80	80	3.00	11	X	15	0.3	--	G	C
30N/05W-30K01	BECK, ED	08/14/1979	H	825	76	76	2.00	10	X	50	1.7	1.5	G	U
30N/05W-30K02	FRYER, WELL	12/22/1976	H	800	160	160	0.00	39	X	8.0	0.1	--	G	C
30N/05W-30K03	MURRY, EARL	04/12/1968	H	850	155	155	12.00	13	X	15	0.1	--	G	U
30N/05W-30L01	PEARMAN, BLAINE	10/26/1976	H	890	102	102	3.50+	22	X	20	--	1.0	G	C
30N/05W-30L02	KRICK, RICHARD	03/22/1978	H	960	200	200	52.00	8	X	1.5	0.0	--	G	C
30N/05W-30L03	EUBANK, JOHN	07/12/1978	H	950	87	87	46.00	12	X	16	0.5	--	G	C
30N/05W-30L04	PEARMAN, BLAINE	11/20/1970	H	890	103	103	4.00	9	X	30	0.5	--	G	U
30N/05W-30Q01	THIE, LOUIE	07/31/1979	H	1000	105	105	60.00	20	X	30	30.0	1.5	G	U
30N/05W-30R01	BAURLITS, WES	02/10/1975	H,S	850	98	98	38.00	23	X	35	1.4	--	G	C
30N/05W-30R02	HAGGER, STEVE	09/30/1976	H	890	100	100	20.00	10	X	2.0	--	--	G	C
30N/05W-30R03	HANSON, RAY&BETTY	05/11/1978	H,S	1000	96	96	60.00	8	X	15	1.0	3.0	G	C
30N/05W-31A01	HALDEMAN, J R	05/02/1968	H,S	1060	357	357	93.00	15	X	30	0.2	3.0	G	C
30N/05W-31B01	FAIRCHILD	1963	H	1090	92	92	F	7	X	17	0.2	--	G	U
30N/05W-31C01	MCLEAN, BOB	09/07/1974	H	1200	102	102	48.00	30	X	25	1.2	1.0	G	C
30N/05W-31C02	ELLEFSON, GARY L	09/02/1974	H	1125	140	140	78.00	56	X	10	0.5	1.0	G	C
30N/05W-31G01	STAFFORD, WARREN	08/30/1974	H	1175	174	174	--	20	X	6.0	--	--	G	C
30N/05W-31G02	STEVENS, HAROLD	08/12/1977	H	1160	110	110	13.00	80	X	6.5	0.1	2.0	G	C
30N/05W-31G03	STAFFORD&DUNKEL	09/15/1977	H	1175	91	91	16.00	--	--	5.0	--	1.5	G	C
30N/05W-32D01	KITSELMAN, EDWARD	07/14/1977	H	870	102	102	53.00	27	X	25	--	1.0	G	C
30N/05W-32K01	WATKINS, ROBERT	10/17/1979	H	530	112	112	70.00	12	X	10	--	1.5	G	U
30N/05W-32M01	COULTER, BRUCE	09/05/1974	H	1000	160	160	18.00	120	P	15	--	--	G	C
30N/05W-32R01	MALONEY, MARTIN J	11/27/1966	H,S	940	301	301	180.00	--	O	15	1.2	3.0	G	C
30N/05W-34D01	COLLIE, GARY	07/29/1977	H	975	36	36	12.00	32	S	12	0.8	--	G	C
30N/05W-35R01	SCHAEFFER, A V	10/14/1965	H	970	227	227	--	49	X	1.4	--	8.0	G	U
30N/05W-36F01	DAILEY	09/23/1975	H	810	54	54	14.50	49	S	9.0	--	--	G	U
30N/05W-36F02	GRIFFITH, CHRIS	03/14/1977	H	840	94	87	16.00	82	S	5.0	0.1	4.0	G	U
30N/06W-07R01	BALLARD, W K	--	H,S	285	--	22	0.46	--	--	--	--	--		C
30N/06W-07C01	GILLESPIE, EARL	--	H	290	--	22	2.37	--	--	--	--	--		C
30N/06W-07C02	THOMAS, ARTHUR	--	H	290	--	16	1.00	--	--	--	--	--		C
30N/06W-07H01	WHEELER, T A	07/ /1953	H	330	--	45	7.46	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/06W-07H02	DOUGHERTY, HERB	1934	H	340	--	48	37.60	--	--	--	--	--		C
30N/06W-07K01	FERGUSON, ALLAN A	07/31/1962	H,I	385	221	217	149.00	148	P	35	35.0	--	G	U
30N/06W-07N01	RYGAARD, EDGAR	07/06/1978	C	450	320	320	189.00	315	S	10	10.0	4.0	G	C
30N/06W-07Q01	NYHUS, OLE	1933	H	460	--	25	15.90	--	--	--	--	--		C
30N/06W-08P01	BARROW, H C	05/12/1967	H	375	93	93	69.00	--	O	15	3.8	--	G	U
30N/06W-08P02	HEBERT, ED	09/05/1980	H	425	166	166	49.00	151	P	15	15.0	2.0	G	U
30N/06W-08Q01	BROOKS&LARSEN	05/12/1967	H	430	93	93	69.00	--	O	15	3.8	1.5	G	U
30N/06W-08Q02	FREEMAN, FREDA	08/26/1979	H	430	100	81	61.00	65	S	15	1.5	1.0	G	U
30N/06W-08Q03	LIGON, WARREN	08/11/1975	H	450	140	120	25.00	40	P	3.5	0.2	2.0	G	U
30N/06W-09J01	CHERRY HILL, BAPTIST CH	04/05/1979	H	255	155	155	121.00	--	O	4.0	--	3.0	G	U
30N/06W-09P01	MCCABE, JULIAN C	06/15/1954	H	320	72	72	65.00	--	O	--	--	--		C
30N/06W-11A01	RAYONIER INC	06/ /1941	U	10	--	500	F	--	P	--	--	--		C
30N/06W-12H01	BALSER, FRED	01/27/1977	H,S	150	196	196	180.00	--	O	13	13.0	--	G	C
30N/06W-12M01	RAYMENT	1941	U	200	--	58	--	--	--	--	--	--	G	C
30N/06W-14D01	PRIEST, GLEN R	09/06/1979	U	350	182	182	70.00	--	--	1.0	0.0	1.0	G	U
30N/06W-15M01	PORT ANGELES	--	U	450	378	378	D	--	--	--	--	--	G	U
30N/06W-16C01	THOMPSEN, JAMES	11/25/1972	H	380	62	62	29.00	33	F	5.0	0.8	--	G	U
30N/06W-16D01	THOMPSON, JAMES	07/23/1974	H,S	400	82	82	38.00	76	S	--	--	--	G	C
30N/06W-16M01	TRIVICH, NICOLAS	07/17/1968	I,H	470	135	135	41.00	130	S	600	33.0	4.0	G	C
30N/06W-16M02	PETERS, CARLON	06/23/1964	U	475	175	175	D	--	--	0.00	0.0	--	G	U
30N/06W-17A01	MOWBRAY, ROBERT	03/22/1977	H	400	265	99	16.00	57	F	3.0	--	1.0	G	C
30N/06W-17C01	DAVIS, RALPH	06/19/1978	H	515	143	142	70.00	137	S	12	0.8	1.0	G	U
30N/06W-17F01	CHAUSSEC, WILFRED R	10/10/1971	H	490	91	91	53.00	76	P	18	1.6	--	G	U
30N/06W-17G01	WILCOX, WILFRED J	--	H	440	--	50	--	--	--	--	--	--		U
30N/06W-17G02	MILLER, CARL	02/09/1976	H,S	460	122	122	102.00	--	O	16	4.0	--	G	C
30N/06W-18A01	OLYMPIC WOOD PD	12/16/1977	H	550	200	200	98.00	173	X	30	30.0	2.5	G	C
30N/06W-20F01	DECERDA, IGNACIO	08/14/1979	H	680	110	110	0.50	105	X	2.0	0.1	3.0	G	U
30N/06W-20M01	KECKEL, HARLAN	08/23/1979	H	715	96	96	50.00	30	X	5.0	0.1	2.0	G	U
30N/06W-20N01	WILLIAMS, DOM	10/01/1969	H	725	135	110	--	52	P	--	--	--	G	U
30N/06W-22C01	HAPPY MOTORS	09/19/1977	H	665	260	260	12.00	37	X	3.0	0.0	2.0	G	C
30N/06W-22D01	HOPKINS, LEE	07/14/1978	H	620	200	147	10.00	40	P	1.5	--	6.0	G	U
30N/06W-22D02	SIBITZKY, M C	10/15/1963	H	620	136	136	15.00	23	X	5.0	0.0	2.0	G	U
30N/06W-22F01	PRICE, KEN	01/09/1978	H	700	240	240	36.00	90	P	1.0	--	--	G	C
30N/06W-22F02	PRICE, KEN	04/30/1979	H	690	200	125	42.70	58	P	1.0	0.1	2.0	G	U
30N/06W-22F01	HAPPY MOTORS	09/21/1977	U	675	250	250	D	37	X	0.00	0.0	--	G	C
30N/06W-22F02	ANDERSON, IGMAR O	05/27/1974	H	750	250	250	62.00	46	X	7.0	--	1.0	G	C
30N/06W-22M01	DAMATO, DR	10/16/1972	H	910	109	109	F	104	S	5.0	0.1	--	G	U
30N/06W-23A01	CROTHERS, EDWARD L	--	H	560	--	12	2.00	--	--	--	--	--		U
30N/06W-23R01	EIGENBERG, ED	08/03/1977	H	605	28	26	13.00	21	S	7.0	1.4	1.5	G	U
30N/06W-23G01	CORNELL, JIM	04/03/1978	H	650	37	37	23.00	--	O	5.0	0.4	1.5	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/06W-23L01	JESSINGER, LEONARD	09/07/1978	H	725	125	125	12.00	13	X	3.0	--	--	G	C
30N/06W-23L02	MCDONA, GEORGE E	08/10/1978	H	775	38	38	4.00	18	X	5.0	--	1.5	G	C
30N/06W-23N01	CORNEBY, PAUL	04/15/1976	H	870	130	130	24.75	24	X	13	0.1	1.5	G	C
30N/06W-23P01	TAYLOR, BROOKE	03/17/1979	H	890	111	111	50.00	40	X	9.0	--	1.5	G	U
30N/06W-23Q01	HARPER, JOHN	03/14/1979	H	840	88	88	38.00	19	X	6.0	--	1.5	G	U
30N/06W-24F01	WEILER, JERRY	03/01/1979	H	635	165	165	12.00	20	X	2.5	--	1.5	G	U
30N/06W-24H01	LINDENAU, R D	03/ /1973	H	575	46	40	32.00	--	O	10	10.0	0.1	G	C
30N/06W-24H02	LAWSON	05/20/1973	H	575	40	40	D	--	--	0.00	0.0	--	G	U
30N/06W-24J01	JARNAGIN, PAT	06/07/1977	H	620	120	120	40.00	18	X	1.5	0.0	0.5	G	C
30N/06W-24K01	MURRAY, ROBERT E	09/12/1964	H	650	127	127	16.00	25	X	3.0	0.0	2.0	G	C
30N/06W-24K02	KED TER CONSTRU	03/13/1975	H	675	132	132	22.00	20	X	6.0	0.1	--	G	C
30N/06W-24K03	JURISON, STEVE	02/25/1975	H	675	130	130	13.00	20	X	10	0.1	--	G	C
30N/06W-24K04	KUSSLER	04/11/1976	H	665	250	250	50.00	90	P	1.0	0.0	1.5	G	C
30N/06W-24K05	VAN SICKLE, M N	07/17/1978	H	660	71	71	11.00	20	X	10	0.2	--	G	C
30N/06W-24L01	LONG, BILL	11/09/1977	H	645	70	70	30.00	46	X	17	4.3	1.5	G	U
30N/06W-24M01	PRIEST LOG CO	11/27/1979	U	680	240	240	D	--	--	0.00	0.0	--	G	U
30N/06W-24P01	COOPER, TED	09/27/1974	H,S	690	102	102	16.00	98	S	8.0	--	--	G	C
30N/06W-24P02	MCDOUGALD, GERALD	07/05/1977	H	685	30	30	7.00	18	X	20	2.0	1.5	G	U
30N/06W-24P03	CHRYSLER, GRIFF	09/01/1977	H	705	105	105	44.00	60	X	15	--	--	G	C
30N/06W-24Q01	DEGNER, PAUL	06/11/1968	H	715	115	115	58.00	29	X	8.0	0.1	--	G	U
30N/06W-24R01	ANDERSON, RICHARD	07/21/1975	H	625	49	49	33.60	--	O	17	3.4	--	G	C
30N/06W-24R03	RUUD, ART	10/26/1977	H	642	52	52	26.00	47	S	15	2.8	1.5	G	C
30N/06W-25R01	GARES, DON	01/30/1977	H	725	45	45	12.00	10	X	5.0	--	2.0	G	C
30N/06W-25R02	WOODSIDE, PAUL	06/21/1977	H	700	95	95	14.00	18	X	11	1.8	1.5	G	C
30N/06W-25R03	WOODSIDE, PAUL	07/03/1966	H	700	44	36	28.00	31	S	4.0	1.3	--	G	U
30N/06W-25C01	MALANEY, CURTIS	02/06/1975	H	790	34	34	7.50	18	X	25	2.1	--	G	C
30N/06W-25C02	VELIE, GARY	09/13/1977	H	850	30	30	6.00	--	--	12	1.2	1.5	G	C
30N/06W-25E02	ROSE, NORMAN	06/22/1974	H	935	150	150	8.00	--	X	2.5	--	--	G	C
30N/06W-25E04	RINGUS, WESLEY R	08/09/1976	H	935	100	100	--	20	X	20	--	--	G	U
30N/06W-25E05	NORTHERN, ROBERT	08/08/1979	H	945	230	230	37.00	23	X	2.5	0.0	1.0	G	U
30N/06W-25F01	ROONEY, TOM	09/12/1977	H	835	40	40	12.00	10	X	5.0	5.0	--	G	U
30N/06W-25F02	HREN, STEVE	06/19/1978	H	875	140	140	2.00+	23	X	10 F	--	--	G	C
30N/06W-25G01	VALLAT, EUGENE H	10/19/1964	H	875	61	61	12.00+	40	P	12 F	--	--	G	C
30N/06W-25G02	FERGUSON, BOB	08/12/1976	H	835	70	70	F	20	X	10	0.2	--	G	U
30N/06W-25G03	POGANY, JOHN	08/05/1976	H	950	90	90	41.00	20	X	7.0	0.2	--	G	C
30N/06W-25G04	BAUMWELL, COL. KARL	07/06/1978	H	920	47	47	26.00	15	X	8.0	0.5	--	G	C
30N/06W-25H01	ZALUSKEY	10/15/1974	H	825	122	122	10.00	22	X	5.0	--	--	G	C
30N/06W-25H02	ZALUSKEY, CHARLES R	08/20/1980	H	825	180	180	28.00	20	X	3.0	0.0	1.0	G	U
30N/06W-25H03	ZALUSKEY, CHARLES R	08/20/1980	H	825	80	80	28.00	19	X	11	0.2	--	G	U
30N/06W-25J01	BENNETT, STEVE	02/16/1977	H	950	140	140	0.00	30	P	10	--	2.0	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)		SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/06W-25L01	ULOANG, VERNON	07/01/1964	H	1025	36	36	A.00	5	X	9.0		0.9	--	G	U
30N/06W-25P01	GEORGI, WILLIAM	05/24/1976	H	1240	100	100	0.00	57	S	6.0		0.1	1.0	G	U
30N/06W-26N01	ELMER, RICHARD	05/01/1980	H	1030	105	105	27.00	36	X	53		--	1.0	G	U
30N/06W-26N02	FELTON	10/14/1974	H	1160	162	162	24.00	22	X	20		0.3	1.0	G	C
30N/06W-26N03	MILLER 3, HAROLD E	03/06/1977	H	1150	365	365	20.50	20	X	2.0		0.0	1.0	G	C
30N/06W-26F01	SNYDER, JAMES	07/22/1978	H	1170	145	145	14.00	31	P	9.0		--	--	G	C
30N/06W-26F02	MILLER, HAROLD	07/18/1974	H	1170	230	230	35.00	24	X	3.0		0.1	--	G	C
30N/06W-26N02	KALAPACA, JOHN	09/21/1978	H	1275	150	150	7.00+	22	X	2.5	F	0.4	--	G	C
30N/06W-26P01	BIGELOW, ROBERT J	04/17/1974	H	1250	110	110	40.00	92	X	9.0		1.3	2.0	G	U
30N/06W-27A01	ANDERSON, RAY	03/04/1977	H	1350	325	325	89.00	19	X	2.0		0.0	2.0	G	C
30N/06W-27A02	BELLINGER, DICK	05/05/1977	H	1125	120	120	50.00	60	P	10		--	2.0	G	C
30N/06W-27A03	JACOBSEN, TOM	02/22/1980	H	1125	145	145	15.00	36	X	5.0		0.0	1.0	G	U
30N/06W-27D01	BRUCH, JAMES	02/11/1971	H	1140	130	130	0.00	33	X	36		0.8	0.5	G	U
30N/06W-35M01	MILLER, H E	12/07/1964	H	1675	80	80	19.00	18	X	4.0		0.1	--	G	U
30N/07W-01N01	NORMAN	1933	H	280	--	156	151.09	--	--	--		--	--		C
30N/07W-01R01	CRITCHFIELD, ELMER	--	H	250	--	15	1.48	--	--	--		--	--		C
30N/07W-02R01	SMITH, RALPH J	1923	H	200	--	185	171.00	--	--	--		--	--		C
30N/07W-02R02	PORT ANGELES	1929	U	205	--	118	D	--	--	0.00		0.0	--		C
30N/07W-02H01	POLLOW, G S	--	H	210	--	20	0.73	--	--	--		--	--		C
30N/07W-02L01	WALKER, W	--	H,S	275	--	200	--	--	--	--		--	--		C
30N/07W-03H01	TOBIN, PHIL	1948	H	50	--	20	10.00	--	T	--		--	--	G	C
30N/07W-03J01	HOLBERG, JOHN	11/19/1975	H	40	26	26	12.00	--	O	15		15.0	1.0	G	U
30N/07W-03P01	DEPT FISHERIES	10/16/1974	H	60	72	72	16.00	67	S	40		16.0	3.0	G	C
30N/07W-03P02	PORT ANGELES, RANNEY CLL	10/21/1977	P	67	63	63	12.92	--	H	7685		396.1	96.0	G	C
30N/07W-04G01	MIKE, RICHARD	06/16/1969	U	260	200	70	--	--	O	--		--	--	G	U
30N/07W-04G02	MIKE, RICHARD	10/30/1973	H	260	17	17	9.00	--	O	--		--	--	G	U
30N/07W-05F01	WINDISH, FRED	12/14/1971	H	235	40	40	3.00	15	F	4.0		0.1	--	G	U
30N/07W-06F01	JOSLIN, E	10/16/1972	H	250	81	81	17.00	17	X	9.0		0.3	--	G	U
30N/07W-07J01	WHEATLEY, DONALD	10/08/1978	H	1025	70	70	23.00	20	P	4.0		--	--	G	C
30N/07W-07J02	ALWINE, DENNIS	10/07/1978	H	1415	120	120	53.00	50	P	8.0		--	--	G	C
30N/07W-07Q01	TODD, BERT	07/21/1978	H	1025	140	140	30.00	40	X	4.5		--	--	G	U
30N/07W-08L01	EIKEY, ERNIE	--	I	600	170	170	162.00+	30	X	2.0	F	0.0	--	G	U
30N/07W-08N01	DEARINGER, RON	11/04/1981	H	775	84	84	3.00	14	X	3.0		0.0	1.0	G	U
30N/07W-08N02	DEARINGER, RON	10/29/1981	U	775	145	145	24.00	19	X	--		--	--	G	U
30N/07W-09A01	TRABAND, JOSEPH	--	H	345	177	177	155.00	--	O	15		15.0	4.5	G	C
30N/07W-09A02	TRABAND	1970	U	365	290	290	--	150	X	--		--	--		C
30N/07W-09A03	TRABAND, JOSEPH	12/07/1979	U	345	280	280	D	156	X	0.00		0.0	--	G	U
30N/07W-09A01	MORGAN, BRIGHAM	09/09/1977	H,S,I	360	67	67	46.00	--	O	10		1.0	1.5	G	C
30N/07W-09C01	LONG, CHARLES	--	U	360	--	35	4.24	--	--	--		--	--	G	C
30N/07W-09F01	DORAN, EARL	08/06/1979	H	390	65	65	30.00	20	X	10		1.0	1.5	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/07W-09H01	TRABAND, J F	--	H	390	--	18	4.23	--	--	--	--	--		C
30N/07W-09K01	JILES, R J	08/23/1978	H	455	39	39	26.00	--	D	5.0	1.3	1.5	G	C
30N/07W-09P01	JONES, CHRIS	12/21/1978	H	530	81	81	36.00	62	P	15	--	--	G	U
30N/07W-09Q01	ALGER, J D	10/27/1980	H	575	170	170	70.00	20	X	15	0.2	1.5	G	U
30N/07W-10R01	DRY CREEK WATER	06/ /1965	P	78	20	20	--	10	P	200	100.0	4.0	G	U
30N/07W-10D01	BURFORD, ROBERT	11/21/1975	H	310	200	200	120.00	100	P	15	15.0	2.0	G	U
30N/07W-10M01	GAGNON, SCOTT&CHAS	07/10/1978	H	410	225	225	195.00	216	X	7.0	--	--	G	U
30N/07W-10R01	SAMPSON, ROBERT	--	--	340	--	8	0.56	--	--	--	--	--		C
30N/07W-11A01	THORSEN, T G	--	U	325	--	272	221.59	--	--	--	--	--		C
30N/07W-11A02	EVANGER, HELGA	1950	U	325	--	212	--	--	--	--	--	--		C
30N/07W-11J01	GAGNON, WARREN	--	--	375	--	23	1.24	--	--	--	--	--		C
30N/07W-11J02	GAGNON, TOM	10/10/1979	H	375	70	70	32.00	--	D	10	0.7	1.5	G	U
30N/07W-11P01	CAMERON, DOUGLAS	1938	H,S	425	--	14	2.19	--	--	--	--	--		C
30N/07W-11Q01	LAIRD, GEORGE M	--	H,S	425	--	20	3.74	--	--	--	--	--	G	C
30N/07W-11P01	LAIRD, GEORGE M	--	P	400	--	6	1.00	--	--	--	--	--		C
30N/07W-12C01	CRITCHFIELD, ROBERT	1937	H	315	--	20	1.00	--	--	--	--	--		C
30N/07W-12G01	BECKENDORF, IVAN C	--	H,S	325	--	24	3.25	--	--	--	--	--		C
30N/07W-12G02	BALCH, CHARLOTTE	1948	U	325	--	52	51.33	--	--	--	--	--		C
30N/07W-12H01	SUND, FRANKLIN	1938	H	325	--	13	1.24	--	--	--	--	--	G	C
30N/07W-12J01	TOLLIVER, RICHARD	--	H	390	--	36	33.28	--	--	--	--	--		C
30N/07W-12L01	THOMPSON, LEONARD E	--	H,S	375	--	19	4.26	--	--	--	--	--		C
30N/07W-12Q01	THOMPSON	1946	H	395	--	8	5.00	--	--	--	--	--		C
30N/07W-12Q02	HEDEGARD, M S	--	H,S	425	--	7	1.96	--	--	--	--	--		C
30N/07W-13G01	SCHOUTEN, ARNOLD	05/21/1981	H	550	278	278	44.00	100	P	7.0	0.1	2.0	G	U
30N/07W-14C01	DANIELSON, GEORGE	--	H,S	425	--	29	10.48	--	--	--	--	--		C
30N/07W-14C02	WAGNER, JOHN	11/17/1978	I	490	100	100	24.00	32	P	5.0	0.1	1.0	G	U
30N/07W-14Q01	GALLAND, RICHARD	11/04/1978	H	430	81	81	41.00	--	O	6.0	6.0	1.5	G	C
30N/07W-14F01	WHITE, H L	07/20/1976	H	445	170	168	102.00	158	S	15	--	2.0	G	C
30N/07W-14F01	WINTER	09/09/1965	H	530	120	120	115.00	--	O	4.0	--	--	G	C
30N/07W-15A01	FOSTER, JIM	07/26/1976	H	390	100	60	43.00	55	S	2.5	0.5	2.0	G	C
30N/07W-15Q01	GREEN, RAY	01/09/1978	H	710	150	150	29.00	38	P	2.0	0.0	--	G	C
30N/07W-16D01	OXSEN, ROLAND	--	H,S	650	125	125	24.00	--	X	0.60	--	--	G	C
30N/07W-19F01	QUAINTANCE, VALLI	09/28/1978	H	875	186	186	176.00	--	O	10	10.0	4.0	G	C
30N/07W-18E02	CHASE, GEORGE C	08/23/1978	H	880	60	60	37.50	40	S	0.62	0.0	--	G	C
30N/07W-18E03	CHASE, GEORGE C	08/25/1978	H	880	160	160	37.00	40	S	--	--	--	G	C
30N/07W-18F01	DIECKOW, R	01/12/1976	H	920	56	56	17.00	23	P	15	15.0	1.5	G	C
30N/07W-18M01	HAAS, LARRY	04/07/1980	H	970	275	275	182.00	165	P	2.0	--	--	G	U
30N/07W-23D01	MAGIERA, BILL	09/19/1980	H	1350	184	184	33.00	--	O	22	0.4	1.5	G	U
30N/07W-27J01	LAWSON, DONALD F	01/30/1971	H	550	9	9	3.00	--	--	65	11.0	1.0	G	C
30N/07W-27J02	ACHZIGER, CLARENCE L	03/10/1978	H	580	172	172	137.00	--	O	5.0	--	--	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
30N/07W-28J01	PETERS, KEITH D	04/28/1980	H	280	180	180	53.00	60	P	20	2.5	1.0	G	U
30N/07W-28R01	SPARKMAN, DAVE	07/05/1979	H	400	120	120	6.00	100	X	5.0	0.1	1.5	G	U
30N/07W-28P02	HAGCEAK, CAL	12/05/1977	H	270	115	115	33.00	--	O	12	0.2	1.5	G	C
30N/07W-28R03	WATSON, CLIFF	10/21/1980	H	235	80	80	4.60	20	P	30	--	2.0	G	U
30N/07W-29F01	SOFIE, STAN	03/18/1975	H	375	49	49	27.00	--	O	20	4.0	--	G	C
30N/07W-29J01	MC COPPEN, BRUCE	04/11/1979	H	415	90	90	50.00	--	O	25	--	--	G	U
30N/07W-30C01	WASH STATE PTRL	02/19/1975	U	400	250	250	D	--	--	0.00	0.0	--	G	U
30N/07W-32A01	HURLONG, VIOLET	03/18/1970	H	465	235	235	86.00	149	S	32	1.9	--	G	U
30N/07W-32G01	HANSEN, GARY	02/25/1978	H	--	75	75	53.00	70	S	10	10.0	2.0	G	U
30N/08W-02A01	OURRWACHTER, DALE A	--	H,I	360	37	37	--	--	P	15	--	--		U
30N/08W-10F01	GRUVER, MIKE	07/12/1979	H	865	140	140	18.00	20	X	5.0	0.0	--	G	U
30N/08W-10F01	MACHENHEIMER, FRED	07/10/1979	H	765	145	145	41.00	76	X	3.5	--	--	G	U
30N/08W-12K01	HESTER, FOREST E	10/11/1977	H	1180	153	153	--	--	O	15	--	1.5	G	U
30N/08W-13A01	MOSES, ROGER	08/06/1979	H	920	165	165	125.00	108	X	5.0	0.1	1.5	G	U
30N/08W-13A02	SANDERS, JOHN	12/26/1978	H	950	192	192	126.00	96	X	6.0	0.6	1.5	G	U
30N/08W-13B01	SOFIE, HAROLD	07/31/1969	H	825	188	188	166.00	183	S	20	10.0	--	G	U
30N/08W-13C01	ATKENSON, JIM	07/06/1972	H	810	129	129	38.00	--	O	20	4.0	--	G	U
30N/08W-13G01	RABER, FREEMAN S	--	H	815	200	200	108.00	--	--	20	0.6	--	G	U
30N/08W-13H01	CASADY, PAT	01/07/1976	H	815	193	193	152.00	--	O	14	0.5	--	G	U
30N/08W-13H02	PENNINGTON, JOSEPH	06/01/1972	H	840	135	65	22.00	25	F	14	2.3	--	G	U
30N/08W-13J01	PENNINGTON, KEN	02/11/1977	H	850	130	130	115.00	117	P	15	10.0	2.0	G	U
30N/08W-13K01	ROSE, ANDY	02/24/1975	H	800	151	151	93.00	146	S	20	4.0	2.0	G	U
30N/08W-13K02	JUNG, PAUL	07/16/1975	H	790	85	85	31.50	80	S	36	4.0	2.0	G	U
30N/08W-13M01	HALLBURG, WAYNE	03/25/1978	--	1250	96	96	89.00	86	X	9.0	9.0	1.5	G	U
30N/08W-13Q01	MYHRES, RALPH	05/23/1979	H	830	60	59	26.80	54	S	30	--	1.0	G	U
30N/08W-17N01	MC KEE, DAVID	10/10/1978	H	820	250	250	202.00	50	P	10	--	--	G	U
30N/08W-20H01	FISHER'S COVE, GIRL SCOUT	07/10/1964	R	540	65	65	20.00	--	O	17	17.0	--	G	U
30N/08W-21R01	ELVERUM, DARREL	07/11/1978	H	550	34	34	12.00	--	O	20	10.0	4.0	G	U
30N/08W-24N01	LEBUIS, WALTER	07/10/1979	H	460	94	94	91.00	72	X	10	10.0	1.5	G	U
30N/08W-24P01	RAIF, MARION	06/04/1981	H	420	80	78	62.00	73	S	32	4.0	4.0	G	U
30N/09W-10P01	CRESCENT WTR AS	02/09/1976	H	524	20	20	5.00	--	--	--	--	--		U
30N/09W-11J01S	COUNTY RD DEPT	--	U	900	--	--	--	--	--	0.50 F	--	--		C
30N/09W-13A01	OLYMPIC NAT PRK, EAST BEACH	10/10/1979	P	1700	25	25	8.20	20	X	89	305.1	1.0	G	U
30N/09W-14D01	OLYMPIC NAT PRK, LOG CABIN1	07/17/1981	U	650	200	--	D	--	--	0.00	0.0	--	G	U
30N/09W-14F01	OLYMPIC NAT PRK, LOG CABIN2	07/21/1981	U	625	208	--	--	--	--	5.0	--	--	G	U
30N/09W-15R01	OLYMPIC NAT PRK, LOG CABIN	10/31/1979	U	600	200	200	D	--	--	0.00	0.0	--	G	U
30N/09W-15R01	OLYMPIC NAT PRK, LOG CABIN	11/01/1979	U	700	125	125	D	--	--	0.00	0.0	--	G	U
30N/09W-26P01	OLYMPIC NAT PRK, BARNES PT	01/04/1967	U	585	63	45	7.80	38	P	60	11.1	3.0	G	C
30N/09W-30D01	OLYMPIC NAT PRK, FAIPHOLM	10/22/1979	P	650	69	69	45.70	--	O	75	75.0	2.5	G	U
30N/09W-30F01	OLYMPIC NAT PRK, FAIRHOLM	01/10/1967	U	590	63	44	11.80	37	P	38	4.0	3.5	G	C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CH
31N/04W-34H01	LEACH, L W	--	H	130	--	126	--	--	--	--	--	--		C
31N/04W-34H02	COVERDALE, HAL M	12/28/1977	H	100	122	122	85.00	117	S	10	0.8	3.0	G	C
31N/04W-34H03	FOREST, MARJORIE	01/11/1967	H	125	146	146	102.00	--	O	18	1.0	--	G	U
31N/04W-34H04	KLOFT, GORDON M	02/08/1971	H	125	150	150	111.00	--	O	20	2.0	2.0	G	U
31N/04W-34H05	LEACH, L	1962	H	130	118	118	98.00	--	O	16	8.0	--	G	U
31N/04W-34H06	MCEVERS, FRED L	1963	H	125	140	140	110.00	--	O	12	3.0	--	G	U
31N/04W-34H07	SCHWETZ, TOM	12/02/1980	H	100	119	119	95.00	--	O	9.0	0.6	1.5	G	U
31N/04W-34K01	WOOD, DAVE	05/27/1970	H	110	143	143	101.00	--	O	20	1.1	--	G	U
31N/04W-34M01	CROMWELL	02/05/1972	H	95	94	94	58.00	--	S	25	2.5	--	G	C
31N/04W-34M02	MOSS, SIDNEY	08/01/1979	H	120	120	120	90.00	115	S	24	24.0	2.0	G	U
31N/04W-34M03	BODE, PAUL	03/09/1979	H	100	93	93	60.00	88	S	30	30.0	2.0	G	U
31N/04W-34M04	SEARING, SUE	03/14/1979	H	125	128	128	98.00	121	S	20	2.0	--	G	U
31N/04W-34M05	PETRIE, JOHN	10/02/1979	H	125	125	125	98.50	--	O	18	3.6	3.5	G	U
31N/04W-34M06	KUEHN, ROBERT K	04/09/1981	H	125	141	141	96.00	136	S	12	0.6	2.0	G	U
31N/04W-34P01	KINNAMAN, JIM	--	H,S	90	--	90	--	--	--	--	--	--		C
31N/04W-34Q01	STANDARD OIL CA, SHOT 05-03	1955	--	110	110	--	--	--	--	--	--	--	G	C
31N/04W-34Q02	DAVSON, DONALD	06/27/1977	H	119	107	107	85.00	101	S	10	1.0	1.5	G	C
31N/04W-34R01	POWERS, WILLIAM L	07/17/1968	H	120	150	150	98.00	--	O	18	9.0	--	G	U
31N/04W-35A01	CLARK	--	H	85	--	90	--	--	--	--	--	--		C
31N/04W-35Q01	FINNEGAN, H	09/20/1962	H	75	94	94	68.15	--	--	20	2.0	1.0	G	C
31N/04W-35F01	PEDERSON	--	P	90	153	153	55.00	--	--	50	7.1	--	G	U
31N/04W-35F02	PEDERSON	--	P	90	110	110	88.00	--	S	20	20.0	--	G	U
31N/04W-35H01	CLARK, ELLIOTT	08/31/1979	U	100	618	616	41.30	553	S	650	9.4	7.5	G	C
31N/04W-35J01	BEEBE, CHAS.	--	H,S	28	--	65	--	--	--	--	--	--		C
31N/04W-35L01	HARIG, RICHARD	--	H	128	--	122	--	--	--	--	--	--		C
31N/04W-35L02	CRAMER, BRUCE	11/14/1974	H	120	104	104	90.00	97	P	12	12.0	--	G	U
31N/04W-35L03	CHESNES	01/28/1974	H	120	120	120	86.00	--	O	14	6.8	2.0	G	U
31N/04W-35L04	ROBINSON	02/08/1972	H	120	114	114	83.00	94	P	26	13.0	1.5	G	U
31N/04W-35L05	ROBINSON, ROGER R	02/01/1974	H	120	112	112	84.00	--	O	20	20.0	1.5	G	U
31N/04W-35M01	FRESCHLING	01/16/1974	H	140	132	132	107.25	--	O	10	--	--	G	U
31N/04W-35M02	SMITH, JERRY J	06/26/1979	H	140	160	160	127.00	--	O	25	--	1.0	G	U
31N/04W-35M03	MANZIE, ALBERT	06/06/1990	H	145	143	141	120.00	--	O	9.0	1.5	1.0	G	U
31N/04W-35N01	LIDELL, ERIC	05/31/1978	H	140	130	130	103.00	--	O	8.0	0.5	1.5	G	U
31N/04W-35P01	LOTZGESELL, JOHN A	1917	H,I	45	--	31	7.00	--	--	--	--	--		C
31N/04W-36A01	CLALLAM COUNTY, BRIDGE TST	02/04/1963	U	15	71	71	--	--	--	--	--	--	G	U
31N/04W-36R01	MAGILL	11/27/1972	Z,H	30	55	55	26.00	48	P	25	25.0	2.0	G	C
31N/04W-36R02	CAYS	03/28/1974	H	30	58	57	29.00	52	P	40	8.0	2.0	G	U
31N/04W-36R03	RAFF	03/18/1974	H	30	64	64	25.00	--	O	40	4.4	2.5	G	U
31N/04W-36R04	COOMBS, KENNETH E	03/31/1976	H	25	42	42	23.00	38	S	20	2.9	--	G	U
31N/04W-36R05	EGGERTSEN	11/06/1974	H	25	46	46	23.00	43	S	40	13.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
30N/09W-31C01	OLYMPIC NAT PRK, LA POEL	11/03/1979	U	2300	125	125	D	--	--	0.00	0.0	--	G	U
30N/09W-35R01	OLYMPIC NAT PRK, BARNES PT	01/20/1978	P	600	--	--	--	--	--	--	--	--		U
30N/10W-25G01S	OLYMPIC NAT PRK, FAIRHOLM	--	C	750	--	--	--	--	--	--	--	--		C
30N/10W-29R01	BAKER, RICHARD L	12/30/1980	H	1000	234	234	206.00	--	--	20	20.0	8.0	G	U
30N/11W-28G01	OLYMPIC NAT FST, SNIDER WRK	10/09/1978	H	740	100	99	6.25	94	S	30	2.9	10.0	G	U
30N/11W-28H01	OLYMPIC NAT FST, KLAHOWYA	04/11/1958	P	750	43	42	25.00	29	P	22	170.0	1.0	G	U
30N/11W-28H02	OLYMPIC NAT FST, SNIDER WRK	12/17/1963	H	769	150	150	F	135	P	5.0	0.0	15.5	G	U
30N/12W-25D01	WHITE, CALVIN H	05/03/1976	H	630	20	20	8.00	--	--	--	--	--		C
30N/12W-26D01	DUBEN, JAMES	07/13/1977	U	680	88	88	D	--	--	0.00	0.0	--	G	C
30N/12W-26D02	DUBEN, JAMES	07/13/1977	H	680	--	12	--	--	--	--	--	--		C
30N/12W-27E01	SACKETT, VERLIN	05/20/1976	U	720	310	310	D	--	--	0.00	0.0	--	G	C
30N/12W-27E02	LEE, LOUIE	01/15/1981	H	835	101	101	82.00	87	P	2.5	0.1	12.0	G	U
30N/12W-27M01	DAVIS, RENE M	11/25/1974	H	700	200	200	140.00	--	O	60	--	2.0	G	C
30N/12W-27N01	DEPT FISHERIES	08/04/1977	H	550	26	26	8.00	--	O	30	3.0	2.0	G	C
30N/12W-27N02	DEPT NAT RESRCS	04/20/1970	H	550	111	111	--	58	P	11	65.0	1.0	G	U
30N/12W-27N03	HASTACHETTI, JACK	1970	H	550	89	--	50.00	--	--	20	--	--	G	U
30N/12W-28D01	STARK, MALCOLM JR	05/09/1978	H	520	34	34	20.50	23	P	8.0	0.6	2.5	G	U
30N/12W-28H01	BATES, ART	09/26/1974	H	695	160	33	20.00	--	S	10	2.0	--	G	C
30N/12W-28L01	LOG, MUNN	1950	U	530	50	50	D	41	X	0.00	0.0	--	G	U
30N/12W-28R01	WASHINGTON DNR	04/20/1970	H	565	111	111	38.00	58	P	11	66.0	1.0	G	C
30N/12W-30L01	DECKER, GORDON	07/27/1977	H	440	78	78	43.00	73	S	45	45.0	2.5	G	C
30N/12W-30M01	DECKER, GORDON	07/20/1977	U	445	118	118	D	--	--	0.00	0.0	--	G	C
30N/12W-35N01	MILLER, LELAND	11/17/1970	H	640	85	85	67.00	--	O	18	1.5	--	G	U
30N/13W-34H01	PENINSULA TEL C	11/06/1980	U	480	178	178	98.00	--	O	--	--	--	G	U
30N/13W-34K01	KONOPASKI, EDWARD M	06/26/1965	U	400	121	115	97.00	106	P	40	40.0	2.0	G	C
30N/13W-34K02	OLD CHIEF, MOBILE PRK	10/07/1971	P,I	400	121	121	93.00	100	P	30	30.0	2.0	G	C
30N/13W-34K03	BERGESTRESSE, ALFRED	07/ /1961	H	400	108	108	--	94	X	10	10.0	--	G	U
30N/13W-34K04	KENNEDY, HAROLD	10/01/1967	H	400	110	110	90.00	91	P	20	20.0	--	G	U
30N/13W-34K05	ORR, JACK	10/ /1971	H	400	125	125	D	--	--	0.00	0.0	--	G	U
30N/13W-34K06	ITT RAYONIER	10/28/1971	H	400	128	128	107.00	--	O	25	25.0	--	G	U
30N/13W-34K07	SWALLING, SANDER	09/11/1967	H	400	125	125	84.00	85	P	25	25.0	--	G	U
30N/13W-34M01	POOLE, VERL C	10/07/1971	H	500	121	121	93.00	100	P	30	30.0	2.0	G	U
30N/13W-34P01	PRAIRIE CEDAR	05/21/1976	H	395	120	110	81.50	86	P	50	50.0	3.5	G	C
30N/13W-34P02	MCCOY, FLOYD	07/01/1965	H	390	114	114	87.00	95	P	25	25.0	--	G	U
30N/13W-35D01	NORDMAN	01/11/1963	H	395	194	194	--	83	P	3.0	0.3	--	G	C
30N/13W-35F01	BENTLEY, CLARENCE L	08/27/1951	P	390	112	112	102.00	--	O	13	3.2	6.0	G	U
30N/13W-36A01	MUNSON, GREG S	09/22/1978	H	490	110	110	95.00	--	O	60	--	1.5	G	C
30N/13W-36A02	COWAN, NORMAN	10/02/1980	H	490	112	112	91.00	93	P	1.5	0.1	30.0	G	U
30N/13W-36D01	HURN, DEAN	10/07/1980	H	390	43	43	D	--	--	0.00	0.0	--	G	U
30N/13W-36L01	COWAN, NORMAN	10/01/1967	H	500	100	100	28.00	28	P	17	11.3	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CH
31N/03W-19G01	U.S.COAST GUARD	09/ /1930	H	10	667	667	F	--	--	50	--	--	G	C
31N/03W-30M01	MARSHALL, ERNEST	--	--	8	--	48	4.60	--	--	27	--	--		C
31N/03W-30M02	MARSHALL, ERNEST	11/13/1970	C	8	148	148	F	143	S	40	1.3	2.0	G	U
31N/03W-30N01	GREEN	03/13/1975	H	10	39	39	4.00	--	O	20	--	--	G	U
31N/03W-30Q01	PETTITT, HARVEY	--	U	10	3600	250	F	--	--	--	--	--		C
31N/03W-30Q02	DALTON,DAN, OIL TEST	1948	--	10	3619	3619	--	--	--	--	--	--	G	C
31N/03W-30Q03	DALTON,DAN, OIL TEST	09/09/1950	--	10	3490	3490	--	--	--	--	--	--	G	C
31N/03W-30Q04	FISHER, MAURICE H	07/24/1975	H	4	183	183	15.00+	--	O	30	--	--	G	U
31N/03W-31R01	DUNGENESS BEACH	08/22/1974	P	10	52	52	0.67	47	S	--	--	--	G	C
31N/03W-31R02	MANTLE, REX J	--	H	10	--	--	--	--	--	--	--	--		U
31N/03W-31D01	SLICK, BILL L	04/23/1976	H	12	57	57	7.00	55	P	30	--	1.0	G	C
31N/03W-31F01	SCHAEFER, KENNETH B	05/18/1978	H	18	41	41	4.00	36	S	120	34.0	1.0	G	U
31N/03W-31F02	POTTER, CHARLES O	01/08/1981	H	15	42	41	1.50	38	S	60	8.6	1.0	G	U
31N/03W-31H01	FITZGERALD	03/ /1962	P	10	44	44	F	40	S	50	2.5	2.0	G	C
31N/03W-31L01	CUNNINGHAM, TED H	12/07/1977	H	15	95	88	2.50	--	O	75	75.0	1.0	G	U
31N/04W-24F01	STANDARD OIL CA, OIL TEST	08/16/1965	U	10	5105	5105	--	--	--	--	--	--	G	C
31N/04W-25M01	DUNGENESS CAMP	1965	P	5	--	300	F	--	--	--	--	--		C
31N/04W-25M02	DICK, JAMES	03/21/1971	H	85	104	104	84.00	100	P	30	30.0	--	G	U
31N/04W-25M04	HANNON, DON	10/28/1977	U	75	104	104	70.00	--	O	34	3.4	1.5	G	C
31N/04W-25N01	MYERS, WILLIAM L	09/ /1959	H	75	98	98	--	--	O	15	15.0	--		U
31N/04W-25N02	MYERS, WILLIAM L	05/15/1961	H	75	93	93	75.00	91	P	16	--	--	G	U
31N/04W-25N03	METCALF, NORMAN	01/13/1972	H	85	103	103	82.00	100	P	20	20.0	2.0	G	U
31N/04W-25N05	WEBSTER, JAMES E	06/24/1975	H	80	103	103	76.00	--	O	30	4.3	--	G	C
31N/04W-25N06	SHANNON, COL. H R	02/17/1978	H	80	99	99	74.00	--	O	18	1.2	--	G	U
31N/04W-25P01	FRANZEN	--	H	60	--	74	--	--	--	--	--	--		C
31N/04W-25P02	STANDARD OIL CA, SHOT 15-03	1955	--	10	40	--	--	--	--	--	--	--		C
31N/04W-25P03	WHELAN, GEORGE M	08/02/1971	H	52	63	63	46.00	58	P	15	15.0	2.0	G	C
31N/04W-25P05	SPRAGUE, VERN	08/31/1978	H	45	62	62	43.00	58	S	25	25.0	--	G	U
31N/04W-25P06	GRINNELL, FRED	05/13/1976	H	40	62	62	37.50	59	S	35	7.0	1.0	G	U
31N/04W-25P07	WILLIAMS	03/25/1974	H	40	61	60	38.00	55	S	73	12.0	3.0	G	U
31N/04W-25P09	LEDBETTER	09/10/1973	H	35	65	65	30.00	--	O	30	5.0	3.0	G	U
31N/04W-25P10	GORYNSKI, RAY	06/30/1978	H	10	48	48	6.50	43	S	40	5.7	4.0	G	U
31N/04W-25P11	LEHMAN, RANDY	07/03/1979	H	50	71	70	43.00	65	S	35	--	1.0	G	U
31N/04W-25P12	GROTHE, DEL	01/11/1979	H	55	67	64	37.50	59	S	20	20.0	5.0	G	U
31N/04W-25P13	BRANDT, GEORGE	09/22/1978	H	60	80	80	57.00	--	O	30	10.0	--	G	U
31N/04W-25P14	GORDON	01/25/1974	H	70	95	95	66.00	--	O	20	2.5	2.0	G	U
31N/04W-25P15	COOMBS, KENNETH E	05/18/1977	H	55	75	75	53.00	71	P	30	30.0	--	G	U
31N/04W-25P16	DECHENNE, W F	05/12/1977	H	55	75	75	54.00	71	P	30	30.0	--	G	U
31N/04W-25P17	CAMUSO, TONY	11/02/1977	H	60	75	75	58.00	--	O	8.0	8.0	1.0	G	U
31N/04W-25P18	LEAVITT, GORDON	02/04/1981	H	70	82	82	67.00	--	O	30	15.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
31N/04W-25P19	CRZECH, ANDREW	1970	H	60	67	67	58.00	--	O	24	24.0	--	G	U
31N/04W-25Q01	STANDARD OIL CA, SHOT 15-01	1955	--	10	40	--	--	--	--	--	--	--	G	C
31N/04W-25Q02	STANDARD OIL CA, SHOT 15-02	1955	--	10	40	--	--	--	--	--	--	--	G	C
31N/04W-25Q03	EBERLE, FRANK	07/04/1979	I	10	45	40	6.40	33	S	198	22.0	2.8	G	U
31N/04W-25Q04	COVER, LEO	04/04/1978	H	10	44	44	3.50	--	O	30	1.0	--	G	U
31N/04W-25Q05	DE PALMA	06/28/1974	H	35	57	57	29.00	52	S	50	50.0	--	G	U
31N/04W-25Q06	SULLIVAN, JOE	08/03/1978	H	35	58	58	28.00	53	S	20	20.0	2.0	G	U
31N/04W-25R01	BLAKE, JESSE	09/10/1975	H	10	40	40	4.50	36	S	50	10.0	--	G	C
31N/04W-25R02	CHENEY	01/03/1974	H	10	52	52	6.00	--	O	20	1.4	2.0	G	U
31N/04W-26G01	SAN JUAN FARM	--	H	5	--	98	F	--	--	--	--	--		C
31N/04W-26J01	ANDERSON, PHILLIP R	08/24/1969	H	50	127	126	34.00	--	O	9.0	0.1	1.5	G	U
31N/04W-26J02	ARNOLD, LEE	1962	H	50	140	140	21.80	--	O	20	0.7	2.0	G	U
31N/04W-26K01	BORHAVEN, JACK H	03/13/1978	H	50	163	162	25.00	--	O	10	0.3	1.5	G	C
31N/04W-26K02	THIEPSCH, J B	11/25/1974	H	50	165	165	24.00	162	S	18	0.6	--	G	C
31N/04W-26M01	VAN BIBBLER, N O	--	C	43	--	49	42.67	--	--	--	--	--		C
31N/04W-26M02	JUDD, TED	05/27/1971	H	45	59	59	42.00	--	O	20	5.0	--	G	U
31N/04W-26Q01	BIGFLOW	--	H	58	--	97	--	--	--	--	--	--		C
31N/04W-26Q02	WIMMER, VICI	08/20/1974	H	70	90	90	68.00	--	O	20	4.0	--	G	C
31N/04W-26Q03	MERPITTE, JOHN	02/13/1978	H	60	68	68	48.00	63	S	25	25.0	--	G	U
31N/04W-26Q04	GILCHRIST, FRED	02/02/1978	H	60	90	88	43.00	83	S	40	6.7	2.5	G	U
31N/04W-26Q05	VERDICK	03/30/1974	H	60	66	66	50.00	61	S	15	15.0	--	G	U
31N/04W-26Q07	MELLON, RUSS	01/05/1979	H	65	90	90	61.00	--	O	30	--	--	G	U
31N/04W-26Q08	BROWNFIELD, WAYNE S	08/15/1967	H	75	89	89	73.00	--	O	17	8.3	2.0	G	U
31N/04W-27N01	OAWES, ROY A	1952	H	90	--	118	83.00	--	--	--	--	--		C
31N/04W-27N02	HURD, GEALD B	1962	H	90	119	119	85.00	109	P	17	1.7	--	G	U
31N/04W-27P01	BERGSLAND, CHARLES	04/05/1977	H	96	130	130	95.40	125	S	35	8.8	2.0	G	C
31N/04W-27P02	GORDON & HORTON	02/28/1964	H	90	128	128	89.00	--	O	17	1.9	--	G	U
31N/04W-27Q01	OLSON, C L	--	H	60	--	84	49.46	--	--	--	--	--		C
31N/04W-27R01	BODE, F D	10/ /1967	H	35	--	53	32.96	--	O	40	--	--	G	C
31N/04W-27R02	BRIDENBAUGH	04/23/1974	H	60	84	84	55.00	--	O	14	0.9	1.0	G	U
31N/04W-27R03	MORRISON, PETE	02/28/1980	H	45	72	71	36.50	--	O	20	1.5	1.0	G	U
31N/04W-34A01	RYAN, FRANK	09/30/1975	H	80	98	98	53.20	--	O	20	--	--	G	U
31N/04W-34A02	RYAN, MIKE	03/07/1980	H	80	85	84	55.00	--	O	20	--	1.0	G	U
31N/04W-34A03	HEWITT, WILLIAM	08/15/1980	H	80	98	98	64.00	--	O	20	1.3	1.0	G	U
31N/04W-34A04	BLESSINGER, DOUG	11/17/1971	H	95	103	103	82.00	--	O	15	5.0	--	G	U
31N/04W-34A05	ROARK, CLYDE	07/28/1981	H	80	100	100	73.00	--	O	20	1.3	1.0	G	U
31N/04W-34F01	SWANTON, BOB	03/09/1977	H	125	108	108	89.00	--	O	15	2.1	--	G	U
31N/04W-34F02	CLARK, ROBERT	04/11/1981	H	120	120	120	102.00	--	O	15	3.8	5.0	G	U
31N/04W-34F01	HICKS, RANDELL M	08/29/1978	H	122	141	138	111.00	133	S	10	0.4	6.5	G	U
31N/04W-34F02	WILLE, G B	06/06/1972	H	110	153	153	100.00	--	O	20	6.7	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	CK
31N/04W-36R06	THARINGER, STEVE	02/03/1981	H	20	97	96	13.00	--	O	60	--	1.0	G	U
31N/04W-36R07	CLALLAM COUNTY, BRIDGE TST	07/07/1963	U	15	77	77	--	--	--	--	--	--	G	U
31N/04W-36C02	ENSIGN	07/01/1974	H	40	70	70	38.00	--	O	20	1.3	--	G	U
31N/04W-36C03	BAKER, GEORGE E	09/18/1971	H	40	69	69	37.00	66	P	40	40.0	--	G	U
31N/04W-36F01	MCCARTER, NEAL	08/03/1978	H	85	130	122	82.00	117	S	20	8.0	1.0	G	U
31N/04W-36F03	NELSON, ROBERT	06/16/1964	H	85	131	131	84.00	--	O	35	--	1.5	G	U
31N/04W-36K01	BAKER, JAMES	11/05/1975	H	30	90	90	17.00	85	P	20	20.0	2.0	G	U
31N/04W-36L01	MAPES	--	H,S	25	--	25	--	--	--	--	--	--		C
31N/04W-36M01	SEAMANDS, MEL	--	H	30	--	14	3.60	0	X	--	--	--		C
31N/04W-36M02	S&K MEATS	--	U	30	--	22	2.70	--	--	--	--	--		C
31N/04W-36P01	STANDARD OIL CA, SHOT 07-09	1955	--	30	50	--	--	--	--	--	--	--	G	C
31N/04W-36P02	STANDARD OIL CA, SHOT 07-08	1955	--	40	50	--	--	--	--	--	--	--	G	C
31N/07W-26N01	PHILLIPS, BEN	--	H	15	--	8	--	--	--	--	--	--		C
31N/07W-26N02	HUNT, MILTON	09/13/1974	H	20	43	43	7.00	--	O	60	60.0	3.0	G	U
31N/07W-26P01	PHILLIPS, BEN	1941	U	25	--	55	3.37	--	--	--	--	--		C
31N/07W-27J01	HOPIE, MARTIN	--	H	15	--	14	8.00	--	--	--	--	--		C
31N/07W-27J03	HEPFER, LAVERNE	05/ /1969	H	7	--	41	5.64	13	P	40	--	--	G	C
31N/07W-27K01	CHARLES, VERA	03/03/1969	H	8	37	37	5.42	--	O	10	--	--	G	C
31N/07W-27P01	CHARLES, VIOLA	03/26/1969	H	11	33	31	6.43	--	O	20	--	--	G	C
31N/07W-27P02	CHARLES, RALPH	03/31/1969	H	11	34	32	--	--	O	10	--	--	G	U
31N/07W-27Q02	CHARLES, FOSTER	04/02/1969	H	9	34	32	6.81	--	O	8.0	--	--	G	C
31N/07W-27P01	SAMPSON, CHARLES	03/18/1969	H	11	41	41	8.64	15	P	40	--	--	G	C
31N/07W-27P02	BENNETT, LARRY	04/09/1969	H	12	34	32	--	--	O	8.0	--	--	G	U
31N/07W-27P03	CHARLES, PHILLIP	03/24/1969	H	13	41	41	9.65	17	P	30	--	--	G	C
31N/07W-27P05	CHARLES, ELMER	03/25/1969	H	15	33	31	10.55	--	O	20	--	--	G	C
31N/07W-27P06	FOSTER, GENEVA	04/09/1969	H	15	35	33	10.28	--	O	12	--	--	G	C
31N/07W-31F01	RICHARDSON	07/10/1972	H	250	60	60	15.00	--	--	6.0	1.5	--	G	U
31N/07W-31F02	MCBATH, SAM	03/31/1973	H	250	37	37	4.30	21	P	18	2.1	--	G	U
31N/07W-31F03	PORTEN, ED	04/10/1973	H	250	39	39	3.00	24	P	20	1.4	--	G	U
31N/07W-31M01	MORGAN, GLEN A	09/15/1972	H	305	29	29	4.00	20	P	18	6.0	--	G	U
31N/07W-32N01	JAMES, LARRY L	07/29/1977	H	260	48	48	20.00	19	X	15	1.5	1.5	G	C
31N/07W-33A01	HOOPER, ARCHIE	--	H	15	--	13	11.00	--	O	--	--	--		C
31N/07W-33A02	SKOTHEIM, S	07/16/1975	H	10	30	21	10.00	--	O	6.0	0.9	--	G	C
31N/07W-33F01	BOICE, ROBERT	1963	H	15	--	15	11.00	--	O	--	--	--	G	C
31N/07W-33G01	HAGNESON, BEN	06/14/1974	H	10	17	17	9.00	14	T	28	--	1.5	G	U
31N/07W-34A01	BOLSTROM, GEORGE	04/07/1969	H	15	44	42	--	--	O	8.0	--	--	G	U
31N/07W-34A02	KLALLAM TRIBE, HATCHERY	07/13/1976	Q	20	79	79	12.00	51	P	252	219.0	--	G	C
31N/07W-34A03	SAMPSON, EDWARD	04/15/1969	H	17	34	32	9.48	--	O	8.0	--	--	G	C
31N/07W-34A04	KLALLAM TRIBE, DAY CARE	04/13/1977	H	14	57	56	8.54	51	S	100	80.0	2.2	G	C
31N/07W-34R01	CHARLES, JOHNSON	--	H	15	--	9	7.07	--	--	--	--	--		C

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
31N/07W-34R02	ELWHA CAMPGRND	06/18/1969	R	7	32	32	1.59	--	O	32	--	--	G	C
31N/07W-34R03	CHARLES, OLIVER	04/03/1969	H	10	33	31	6.14	--	O	8.0	--	--	G	C
31N/07W-34R04	KLALLAM TRIBE, HATCHERY-2	12/27/1977	Q	15	84	82	6.20	57	S	2000	71.2	24.0	G	U
31N/07W-34D01	SHOTWELL, JOHN D	04/13/1977	H	15	30	30	9.28	--	O	30	--	1.5	G	C
31N/07W-34D02	RAYMOND, JOHN	06/14/1974	H	10	17	17	9.00	14	T	60	--	1.5	G	C
31N/07W-34F01	STROMSKI, FRED	02/22/1978	H	140	160	160	117.00	--	O	10	0.3	2.0	G	U
31N/07W-34F01	MILETICH, JOHN	09/26/1977	H	135	122	119	53.00	62	P	4.5	0.1	8.0	G	U
31N/07W-34G01	CHARLES, ERNEST	04/17/1969	H	20	36	34	8.42	--	O	10	--	--	G	C
31N/07W-34G02	RAMBO, CHRIS	05/01/1978	H	20	80	80	12.60	28	P	200	67.0	4.0	G	U
31N/07W-34H01	CRAIG, W	--	H,S	25	--	12	10.44	--	--	--	--	--		C
31N/07W-34N01	WINTERS, ROBERT	04/01/1977	H	220	207	205	119.00	200	S	3.5	0.0	3.5	G	U
31N/07W-34N02	KEYS, JOHNNY	09/16/1976	H	200	190	190	114.00	162	P	5.0	0.1	--	G	U
31N/07W-34P01	HALBERG, EVAR	--	S,H	30	--	20	8.00	--	--	--	--	--		C
31N/07W-34P02	HALBERG, EVAR	05/29/1964	H,S	30	41	41	11.00	--	O	150	50.0	--	G	U
31N/07W-35C01	AT AND T	04/04/1965	N,H	123	124	124	112.00	119	S	31	27.0	4.0	G	U
31N/07W-35C02	AT AND T	03/29/1965	N	125	--	134	11.00	129	S	15	7.5	1.0	G	U
31N/07W-35D01	WADDELL, WILLIAM	1952	H,S	20	--	15	12.00	--	--	--	--	--		C
31N/07W-35D02	CHARLES, GILBERT	06/18/1969	H	19	36	34	12.05	--	O	9.0	--	--	G	C
31N/07W-35F01	JOHNSON, VIRGIL	03/13/1969	H	20	33	33	10.24	16	P	10	--	--	G	C
31N/07W-35F02	KLALLAM TRIBE, HOUSING 2	04/29/1976	P	27	50	50	16.89	45	S	55	165.0	8.0	G	C
31N/07W-35F03	KLALLAM TRIBE, HOUSING 1	04/28/1976	P	27	52	48	16.89	43	S	53	37.0	8.0	G	C
31N/07W-35G01	CHRISTENSEN, R S	09/28/1966	H	125	166	166	122.00	161	S	17	1.4	--	G	U
31N/07W-35K01	PETERSON, A S	1947	H	150	--	260	145.00	--	--	--	--	--	G	C
31N/07W-35N01	CHARLES, JAMES	03/11/1969	H	34	53	53	13.83	21	P	32	--	--	G	C
31N/07W-35Q01	PORT ANGELES	1929	U	175	135	135	D	--	--	--	--	--		C
31N/08W-28R01	PRICE, WAYNE	03/29/1979	H	65	97	94	34.00	89	S	2.5	0.1	2.5	G	U
31N/08W-35R01	TURNER, JACK	09/24/1981	H	175	140	140	4.00	118	P	2.5	0.0	2.0	G	U
31N/08W-36A01	WIEDERSBERG, VICTOR	06/05/1975	U	60	60	60	D	--	--	0.00	0.0	--	G	U
31N/08W-36A02	WIEDERSBERG, VICTOR	06/05/1975	H	60	92	92	43.00	33	X	0.08	--	--	G	U
31N/08W-36R01	VANDERHOOF, LAUREN R	01/13/1976	H	190	69	69	33.00	--	O	40	6.7	--	G	U
31N/09W-28A01	FREELUND, ART	01/17/1976	U	25	40	40	D	--	--	0.00	0.0	--	G	U
31N/09W-31G01S	TWIN MAINT SITE	--	H	500	--	--	--	--	--	--	--	--		U
31N/09W-35M01	HARPER, IRWIN&MARY	1892	H	400	--	12	9.00	--	W	--	--	--		U
31N/11W-04D01	MERRILL-PING	1960	U	168	8520	8520	--	--	--	--	--	--		U
31N/11W-04D02	COBB-PUSSEL JR, OIL TEST	02/08/1960	U	220	8519	8519	--	--	--	--	--	--		U
31N/11W-09H01	PYSHT TREE FARM	1952	U	12	85	30	--	--	--	--	--	--	G	C
31N/11W-10F01	FERNANDEZ, I	--	U	15	--	11	5.11	--	--	--	--	--		C
31N/11W-10Q01	TEXACO INC, OIL TEST	01/04/1966	U	220	8462	8462	--	--	--	--	--	--		U
31N/15W-29N01	OLYMPIC NAT PRK, OZETTE	06/10/1980	I	40	35	30	9.00	15	S	--	--	--	G	U
32N/12W-20M01	STERNBECK, CARL	--	U	80	40	40	D	--	--	0.00	0.0	--	G	U

TABLE 6.--continued.

LOCAL NUMBER	OWNER	DATE COMPLETED	USE OF WATER	ALTITUDE OF LAND SURFACE (FEET)	DEPTH DRILLED (FEET)	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	DEPTH TO FIRST OPENING (FEET)	FINISH	DISCHARGE (GALLONS PER MINUTE)	SPECIFIC CAPACITY (GPM/FT)	PUMPING PERIOD (HOURS)	OTHER DATA AVAILABLE LG	OTHER DATA AVAILABLE CK
32N/12W-21M01	CLALLAM CO. PUD 1	11/ /1958	--	25	72	--	--	--	--	200	5.6	0.5	G	U
32N/12W-28C01	MECHELENA, AUGUSTIN	01/05/1979	H	60	100	36	10.00	--	O	40	20.0	1.0	G	U
32N/12W-28C02	FUNK, WALTER	08/23/1960	H	60	36	36	11.00	--	P	--	--	--	G	U
32N/12W-28N01	HANSEN, DAN	09/10/1977	H	85	25	22	7.00	12	X	10	2.0	1.5	G	C
32N/12W-28N02	CLALLAM CO. PUD 1	01/12/1977	U	55	51	51	--	--	--	17	1.4	2.5	G	U
32N/12W-33D01	MURRAY, BART	08/14/1978	H	80	26	26	8.00	20	P	12	12.0	1.5	G	C
32N/12W-33D02	MURRAY	08/22/1960	H	80	52	52	3.00	--	--	10	2.0	--	G	U
32N/13W-08L01	CROWN ZELLERBACH	05/23/1962	--	30	28	28	19.00	--	O	10	1.4	1.5	G	U
32N/13W-09J01	CROWN ZELLERBAC	05/31/1962	--	17	97	45	12.00	40	S	25	25.0	1.0	G	U
32N/13W-09J02	CROWN ZELLERBAC	03/25/1960	--	17	75	75	15.00	70	S	10	2.2	--	G	U
32N/13W-22G01	CLALLAM BAY, SEKIU WTR	--	P	40	--	20	--	--	--	300	--	--		U
32N/14W-01A01	BELL, EDWARD	1964	H	4	--	32	2.45	--	--	--	--	--		C
32N/14W-01A02	BELL, EDWARD	05/03/1976	H	10	75	75	F	30	X	4.0	0.1	1.5	G	U
32N/15W-05D01	MAKAH TRIBE, IDES	10/16/1978	H	20	38	32	14.00	20	S	7.0	2.9	3.0	G	U
32N/15W-05F01	MAKAH TRIBE, BARKER	09/01/1977	H	20	30	20	5.00	15	S	10	1.1	2.0	G	C
32N/15W-05F02	MAKAH TRIBE, PARKER-2	10/06/1978	U	20	33	33	D	--	--	0.00	0.0	--	G	U
32N/15W-05F03	MAKAH TRIBE, PARKER-1	10/04/1978	U	20	38	38	D	--	--	0.00	0.0	--	G	U
32N/15W-05F01	TRETTEVIK, LEWIS	04/27/1976	H	15	32	23	5.00	18	S	6.0	0.7	1.5	G	C
32N/15W-05H01	TYLER, BILL	08/15/1976	H	40	85	85	30.00	67	P	4.8	0.4	6.0	G	C
32N/15W-05L01	RAY, GENE	08/14/1976	H	15	66	51	F	46	S	4.5	0.1	1.2	G	C
32N/15W-05L02	RAY, GENE	10/27/1977	H	15	56	56	F	46	F	50	--	2.0	G	C
32N/15W-05M01	MAKAH TRIBE	--	U	15	85	85	D	--	--	0.00	0.0	--	G	C
32N/15W-09F01	CHEEKA, BEN	09/27/1977	U	40	100	100	D	--	--	0.00	0.0	--	G	C
33N/13W-31N01	ZITTEL, A	10/05/1977	H	15	48	48	12.00	36	X	4.0	0.1	2.0	3	U
33N/15W-10Q01	BAY FISH CO	--	N	20	38	38	10.00	32	S	25	2.1	1.0	G	U
33N/15W-11N01	FISHERMAN CO-OP	--	--	20	--	38	3.00	33	S	40	--	24.0	G	C
33N/15W-12L01	MAKAH TRIBAL CN	02/09/1962	P	15	25	25	2.70	14	P	10	1.7	--	G	C
33N/15W-12L02	MAKAH TRIBE	--	P	15	--	100	18.60	--	F	--	--	--		C
33N/15W-14C01	MAKAH TRIBE	02/ /1953	U	40	52	52	5.00	--	--	5.0	--	--		C
33N/15W-15A01	NEAH BAY, TOWN OF	07/27/1961	U	25	100	45	8.00	35	S	50	2.6	2.0	G	C
33N/15W-15A02	NEAH BAY, TOWN OF	08/15/1961	U	25	65	65	7.50	40	S	92	4.2	12.0	G	C
33N/15W-15B01	NEAH BAY, TOWN OF	--	--	25	--	211	--	--	--	--	--	--		U
33N/15W-15G01	MAKAH SEWAGE, LAGOON PZ1	08/24/1976	U	28	16	16	5.00	--	T	--	--	--	G	C
33N/15W-15G02	MAKAH SEWAGE, LAGOON PZ2	08/25/1976	U	22	12	11	0.29	--	T	--	--	--	G	C
33N/15W-15G03	MAKAH SEWAGE, LAGOON PZ3	08/24/1976	U	22	8	8	2.34	--	T	--	--	--		C
33N/15W-15G04	MAKAH SEWAGE, LAGOON PZ4	08/24/1976	U	24	9	9	2.13	--	T	--	--	--		C
33N/15W-16N01	U.S.GEOL.SURVEY, TEST HOLE	09/24/1976	U	15	112	102	3.50	--	O	--	--	--	G	C
33N/15W-16R01	ARMY CORPS ENGS	1957	--	10	--	--	F	--	--	--	--	--		C
33N/15W-21N01	U.S.GEOL.SURVEY, TEST HOLE	09/21/1976	U	15	35	35	9.00	--	--	--	--	--	G	U
33N/15W-33N01	WILKIE, BRUCE	05/02/1964	H	20	31	31	20.00	24	P	50	16.7	--	G	C
33N/16W-02C01	TATOOSH ISLAND, LIGHTHOUSE	--	--	80	601	601	--	168	X	25	--	--	G	U

TABLE 7.--Records of gaging stations in Clallam County

12041500 SOLEDUCK RIVER NEAR FAIRHOLM, WA (Site 4)

LOCATION--Lat 48°02'40", long 123°57'28", in lot 4 SE¼SW¼ sec. 35, T.20 N., R.10 W., Clallam County, Olympic National Park, on right bank 0.1 mi downstream from south Fo 8.6 mi southwest of Fairholm, and at mile 54.9.

DRAINAGE AREA--83.8 mi^2.

PERIOD OF RECORD--October 1917 to September 1921, October 1933 to September 1971, October 1976 to current year.

GAGE--Water-stage recorder. Altitude of gage is 1,060 ft (from topographic map). Oct 1917 to Sept 1921, water-stage recorder and Oct 4 to Nov 4, 1933, nonrecording gage, at same site at datum 1.2 ft (0.37 m) higher.

AVERAGE DISCHARGE--45 years (water years 1918-21, 1934-71, 1977-79), 621 ft^3/s, 100.53 in/yr, 449,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 23,500 ft^3/s Nov 26, 1949, gage height, 16.42 ft from high-water mark in well, from rating curve extended above 13,000 ft^3/s on basis of slope-area measurement of peak flow; minimum, 51 ft^3/s Sept 11, 12, 1944; minimum gage height, 0.70 ft Aug 9, 10,. 1978.

REMARKS--Records excellent. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1917 TO SEPTEMBER 1918
MEAN VALUES

1918	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4422	7551	86177	44330	30672	26933	19076	14180	12228	5128	3869	2157
MEAN	143	252	2780	1430	1095	869	636	457	408	165	125	71.9
MAX	250	605	11500	4730	4410	3730	1630	842	1070	231	207	84
MIN	92	101	295	586	352	210	438	279	231	111	91	60

WTR YR 1918 TOTAL 256723 MEAN 703 MAX 11500 MIN 60

1919	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15484	25143	54483	42742	24923	17473	26793	23281	19899	17348	7572	3681
MEAN	499	838	1758	1379	890	564	893	751	663	560	244	123
MAX	6100	3850	8910	5050	4040	1080	1440	1470	1040	742	334	210
MIN	58	379	508	353	445	365	539	498	553	361	147	90

WTR YR 1919 TOTAL 278822 MEAN 764 MAX 8910 MIN 58

1920	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2787	24653	28787	31074	13017	14305	9361	11257	15371	6712	3487	18509
MEAN	89.9	822	929	1002	449	461	312	363	512	217	112	617
MAX	153	6960	4130	4040	921	2400	428	854	848	390	310	2010
MIN	75	141	150	293	190	175	252	259	326	125	84	84

WTR YR 1920 TOTAL 179320 MEAN 490 MAX 6960 MIN 75

1921	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	35108	21875	30033	35404	36214	20310	14850	22891	26750	14866	7569	15854
MEAN	1133	729	969	1142	1293	655	495	738	892	480	244	528
MAX	4830	1860	3220	4530	7840	1260	772	1070	1260	742	334	3630
MIN	436	230	468	527	472	392	309	436	645	350	159	142

WTR YR 1921 TOTAL 281724 MEAN 772 MAX 7840 MIN 142

1934	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22696	21060	77342	54155	18243	27352	15587	17658	7608	5288	3363	3223
MEAN	732	702	2495	1747	652	882	520	570	254	171	108	107
MAX	2430	3200	10700	4700	1190	3170	1050	1700	381	714	203	342
MIN	208	296	336	915	308	276	338	315	168	112	78	75

WTR YR 1934 TOTAL 273575 MEAN 750 MAX 10700 MIN 75

1935	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14344	44659	31589	79952	31604	19742	12414	15982	16831	10801	4493	6325
MEAN	463	1489	1019	2579	1129	637	414	516	561	348	145	211
MAX	2520	10500	3930	11900	2780	2460	605	726	878	515	212	1310
MIN	72	625	501	375	600	338	256	412	372	218	104	71

WTR YR 1935 TOTAL 288736 MEAN 791 MAX 11900 MIN 71

1936	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7030	9543	17567	33181	11088	22234	17087	24661	21514	10619	3902	3879
MEAN	227	318	567	1070	382	717	570	796	717	343	126	129
MAX	676	1000	1060	3160	1460	1780	1000	1300	1760	686	182	566
MIN	95	129	214	402	200	286	228	586	402	182	93	84

WTR YR 1936 TOTAL 182305 MEAN 498 MAX 3160 MIN 84

1937	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2715	2481	32846	6595	9707	18203	24570	25606	26958	11207	4696	2852
MEAN	87.6	82.7	1060	213	347	587	819	826	899	362	151	95.1
MAX	206	150	4890	366	1310	1200	3570	1840	1420	630	206	296
MIN	70	60	69	120	120	286	399	421	615	195	113	72

WTR YR 1937 TOTAL 168436 MEAN 461 MAX 4890 MIN 60

TABLE 7.--Records of gaging stations in Clallam County--continued

12041500 SOLEDUCK RIVER NEAR FAIRHOLM, WA (Site 4) -- continued

1938	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12032	40238	44828	26911	10419	19034	19716	17476	13326	6402	3011	2289
MEAN	388	1341	1446	868	372	614	657	564	444	207	97.1	76.3
MAX	3890	4000	8230	2910	710	935	2170	770	600	308	122	100
MIN	87	384	469	425	225	348	345	410	341	124	81	66

WTR YR 1938 TOTAL 215682 MEAN 591 MAX 8230 MIN 66

1939	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10281	19955	34528	41185	14486	15224	16574	18096	14081	9814	4135	2650
MEAN	332	665	1114	1329	517	491	552	584	469	317	133	88.3
MAX	1600	2410	3950	7380	1780	1340	980	2320	600	482	194	184
MIN	62	318	342	565	250	212	396	389	356	204	98	70

WTR YR 1939 TOTAL 201009 MEAN 551 MAX 7380 MIN 62

1940	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5991	21697	61399	29103	29712	30898	13170	19206	6283	3332	2357	2017
MEAN	193	723	1981	939	1025	997	439	620	209	107	76.0	67.2
MAX	827	2010	6700	2830	2560	2680	668	2960	310	129	121	97
MIN	69	166	638	354	456	489	310	286	134	85	64	58

WTR YR 1940 TOTAL 225165 MEAN 615 MAX 6700 MIN 58

1941	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14882	14105	35164	28012	20967	12575	8712	20156	8845	4230	2708	6084
MEAN	480	470	1134	904	749	406	290	650	295	136	87.4	203
MAX	2660	1260	3380	4480	2200	840	477	3260	385	197	171	434
MIN	57	209	432	392	316	263	223	239	200	95	70	119

WTR YR 1941 TOTAL 176440 MEAN 483 MAX 4480 MIN 57

1942	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19513	24063	44614	12603	12296	10252	11968	12002	15116	8244	3439	2156
MEAN	629	802	1439	407	439	331	399	387	504	266	111	71.9
MAX	1930	3390	5920	732	890	605	585	542	993	542	150	85
MIN	192	217	449	312	208	210	312	306	329	157	85	61

WTR YR 1942 TOTAL 176266 MEAN 483 MAX 5920 MIN 61

1943	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4590	25267	27673	15904	21850	16202	29410	14736	13783	9926	3886	2551
MEAN	148	842	893	513	780	523	980	475	459	320	125	85.0
MAX	1940	3160	1880	1060	1340	2650	3640	812	585	492	167	131
MIN	66	248	417	293	397	186	547	329	367	172	95	68

WTR YR 1943 TOTAL 185778 MEAN 509 MAX 3640 MIN 66

1944	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8139	9412	20268	31301	11954	10859	10777	10985	8093	3792	2256	3734
MEAN	263	314	654	1010	412	350	359	354	270	122	72.8	124
MAX	1450	1130	3930	4430	1500	999	459	463	410	179	85	491
MIN	65	157	198	264	196	167	280	292	188	85	58	52

WTR YR 1944 TOTAL 131570 MEAN 359 MAX 4430 MIN 52

1945	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7294	26033	17363	34587	29159	21026	13715	28420	12982	6688	3061	3222
MEAN	235	868	560	1116	1041	678	457	917	433	216	98.7	107
MAX	856	4190	2280	4790	7420	2680	800	2070	645	356	130	360
MIN	97	270	221	289	306	264	306	627	280	134	74	70

WTR YR 1945 TOTAL 203550 MEAN 558 MAX 7420 MIN 70

1946	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11737	31153	35822	30409	19682	23049	22202	26933	22131	15173	6656	3637
MEAN	379	1038	1156	981	703	744	740	869	738	489	215	121
MAX	4110	5050	3920	2120	3470	2120	2420	1160	1460	675	354	226
MIN	60	274	354	488	316	369	333	642	560	336	146	90

WTR YR 1946 TOTAL 248584 MEAN 681 MAX 5050 MIN 60

1947	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5910	17426	40424	26216	40447	13339	15163	14944	12667	8151	3392	2670
MEAN	191	581	1304	846	1445	430	505	482	422	263	109	89.0
MAX	811	2560	3920	3800	5940	565	1090	979	915	444	161	216
MIN	72	148	350	266	457	319	336	358	305	169	81	65

WTR YR 1947 TOTAL 200749 MEAN 550 MAX 5940 MIN 65

TABLE 7.--Records of gaging stations in Clallam County--continued

12041500 SOLEDUCK RIVER NEAR FAIRHOLM, WA (Site 4) -- continued

1948	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	24707	20080	35309	26404	22206	14412	15405	30601	25723	11296	6510	8866
MEAN	797	669	1139	852	766	465	514	987	857	364	210	296
MAX	3400	1390	4110	3430	3150	1390	1090	1700	1370	495	327	688
MIN	68	358	307	369	275	266	284	392	591	250	160	144

WTR YR 1948 TOTAL 241519 MEAN 660 MAX 4110 MIN 68

1949	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	13656	31534	22322	9929	20878	22616	21617	32611	19319	12435	7515	7027
MEAN	441	1051	720	320	746	730	721	1052	644	401	242	234
MAX	1370	2920	2680	710	4310	1700	1370	1600	988	495	344	1090
MIN	238	253	366	197	166	415	392	638	392	307	157	104

WTR YR 1949 TOTAL 221459 MEAN 607 MAX 4310 MIN 104

1950	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12629	44081	49775	22082	31045	26982	24644	23424	34975	20412	9241	4352
MEAN	407	1469	1606	712	1109	870	821	756	1166	658	298	145
MAX	1630	10500	6830	3100	4500	2920	2600	1280	1650	1000	750	224
MIN	134	229	501	315	370	441	404	469	780	397	178	117

WTR YR 1950 TOTAL 303642 MEAN 832 MAX 10500 MIN 117

1951	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23036	32544	49632	36184	46715	14125	18080	17931	13787	7256	3460	3476
MEAN	743	1085	1601	1167	1668	456	603	578	460	234	112	116
MAX	2900	3810	3670	5550	8300	810	930	930	572	394	141	600
MIN	114	343	625	559	397	282	429	400	397	144	87	67

WTR YR 1951 TOTAL 266226 MEAN 729 MAX 8300 MIN 67

1952	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	20235	24226	20128	13564	23765	10325	17148	22059	16827	11111	5213	3086
MEAN	653	808	649	438	819	333	572	712	561	358	168	103
MAX	2470	2950	2620	3510	2310	477	1460	1170	1090	510	356	164
MIN	195	301	284	157	325	238	366	461	404	214	123	76

WTR YR 1952 TOTAL 187687 MEAN 513 MAX 3510 MIN 76

1953	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2567	6063	23811	80053	28438	14824	13700	21280	16180	14576	6794	6390
MEAN	82.8	202	768	2582	1016	478	457	686	539	470	219	213
MAX	281	579	4360	6380	2990	830	918	1060	712	695	342	1870
MIN	63	84	155	675	380	296	284	481	493	276	147	87

WTR YR 1953 TOTAL 234676 MEAN 643 MAX 6380 MIN 63

1954	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	17910	35309	48816	32773	48321	17827	17865	20523	19771	18812	10348	6530
MEAN	578	1177	1575	1057	1726	575	596	662	659	607	334	218
MAX	3080	2400	3960	4770	3910	2210	1250	1090	930	918	469	300
MIN	248	660	665	352	477	227	277	309	536	427	237	142

WTR YR 1954 TOTAL 294805 MEAN 808 MAX 4770 MIN 142

1955	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16254	52748	31651	17708	19345	9460	20651	19319	29372	19346	8901	4058
MEAN	524	1758	1021	571	691	305	688	623	979	624	287	135
MAX	1360	6280	2000	1290	3060	1770	2190	1360	1890	979	625	182
MIN	123	260	630	340	273	176	285	288	635	446	176	103

WTR YR 1955 TOTAL 248813 MEAN 682 MAX 6280 MIN 103

1956	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19882	48668	29666	23841	7470	17520	24102	32112	32711	19766	6944	7417
MEAN	641	1622	957	769	258	565	803	1036	1090	638	224	247
MAX	3620	13400	1940	2370	390	1760	1650	1860	2550	1020	326	939
MIN	98	492	506	322	201	227	390	580	660	313	152	119

WTR YR 1956 TOTAL 270099 MEAN 738 MAX 13400 MIN 98

1957	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	30248	22579	44713	10652	26490	24045	17888	18562	11005	6893	4664	3332
MEAN	976	753	1442	344	946	776	596	599	367	222	150	111
MAX	4240	1600	8930	685	6840	2000	1130	997	552	429	222	162
MIN	180	375	353	180	176	458	405	417	234	156	115	95

WTR YR 1957 TOTAL 221071 MEAN 606 MAX 8930 MIN 95

TABLE 7.--Records of gaging stations in Clallam County--continued

12041500 SOLEDUCK RIVER NEAR FAIRHOLM, WA (Site 4) -- continued

1958	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7186	11644	32204	42616	31695	14430	17375	15791	10667	4575	2492	3669
MEAN	232	388	1039	1375	1132	465	579	509	356	148	80.4	122
MAX	1380	1440	3370	3400	2810	790	1720	695	504	224	105	365
MIN	89	181	401	635	610	300	257	345	257	103	62	60

WTR YR 1958 TOTAL 194344 MEAN 532 MAX 3400 MIN 60

1959	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14318	37386	39283	38981	13144	19851	29009	23959	17174	9425	3802	10226
MEAN	462	1246	1267	1257	469	640	967	773	572	304	123	341
MAX	1360	4740	4540	3740	1140	1460	6150	1960	915	462	166	1250
MIN	76	441	630	615	304	393	329	525	391	169	96	92

WTR YR 1959 TOTAL 256558 MEAN 703 MAX 6150 MIN 76

1960	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	17644	29066	31890	23771	28918	18100	24590	24880	18959	9317	5063	3766
MEAN	569	969	1029	767	997	584	820	803	632	301	163	126
MAX	1720	4490	4280	6570	2690	1290	1510	1230	1030	452	428	222
MIN	182	216	416	202	322	279	600	600	460	185	114	90

WTR YR 1960 TOTAL 235964 MEAN 645 MAX 6570 MIN 90

1961	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	13973	26479	27739	60561	49309	28630	16255	19024	15007	7157	3547	3468
MEAN	451	883	895	1954	1761	924	542	614	500	231	114	116
MAX	1690	2620	4450	11400	6420	2190	1160	1160	760	340	338	517
MIN	83	302	386	359	790	570	372	483	289	144	84	75

WTR YR 1961 TOTAL 271149 MEAN 743 MAX 11400 MIN 75

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12356	21122	34926	28048	11680	9044	18308	15867	14425	8644	4715	3932
MEAN	399	704	1127	905	417	292	610	512	481	279	152	131
MAX	1130	2800	2750	4490	760	440	1330	1030	884	392	208	565
MIN	82	305	360	335	230	220	354	354	360	200	100	85

WTR YR 1962 TOTAL 183067 MEAN 502 MAX 4490 MIN 82

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15626	39812	43740	21880	35897	13998	14807	15883	8833	7353	4102	3057
MEAN	504	1327	1411	706	1282	452	494	512	294	237	132	102
MAX	2620	7550	4330	3280	5310	802	897	1200	416	762	181	192
MIN	169	185	488	209	227	273	300	350	202	163	103	79

WTR YR 1963 TOTAL 224988 MEAN 616 MAX 7550 MIN 79

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23599	42145	33331	39224	18563	18306	17066	19010	30273	20145	10178	8008
MEAN	761	1405	1075	1265	640	591	569	613	1009	650	328	267
MAX	4270	4930	5080	3460	1540	1230	1080	1470	1560	1050	512	2040
MIN	77	706	410	605	378	344	382	335	600	444	245	158

WTR YR 1964 TOTAL 279848 MEAN 765 MAX 5080 MIN 77

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11636	21709	22105	27137	33403	14583	16949	18427	12683	6931	4000	2469
MEAN	375	724	713	875	1193	470	565	594	423	224	129	82.3
MAX	1350	6090	3350	3280	3940	769	2270	1550	568	335	273	114
MIN	195	207	307	228	545	270	232	419	275	139	95	69

WTR YR 1965 TOTAL 192032 MEAN 526 MAX 6090 MIN 69

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10935	26088	31527	36955	14046	19601	22976	21524	18137	13002	6027	3577
MEAN	353	870	1017	1192	502	632	766	694	605	419	194	119
MAX	2310	1980	3040	5500	1180	1830	1500	1540	966	563	277	246
MIN	64	419	378	328	313	277	173	405	405	289	137	93

WTR YR 1966 TOTAL 224395 MEAN 615 MAX 5500 MIN 64

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12811	23931	68473	46631	24074	22806	9511	20719	22861	10594	4448	3336
MEAN	413	798	2209	1504	860	736	317	668	762	342	143	111
MAX	2380	2680	7780	4300	2730	4030	396	1320	1120	547	206	250
MIN	85	217	669	655	387	307	275	305	486	216	97	70

TABLE 7.--Records of gaging stations in Clallam County--continued

12041500 SOLEDUCK RIVER NEAR FAIRHOLM, WA (Site 4) -- continued

WTR YR 1967 TOTAL 270195 MEAN 740 MAX 7780 MIN 70

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	44748	22289	43177	58156	41666	24546	12763	16131	15338	9193	4908	10142
MEAN	1443	743	1393	1876	1437	792	425	520	511	297	158	338
MAX	5220	2380	4540	7770	3560	1490	700	924	1310	442	261	1600
MIN	441	372	375	434	498	490	318	398	378	175	121	105

WTR YR 1968 TOTAL 303057 MEAN 828 MAX 7770 MIN 105

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22191	27724	38040	22942	11027	20704	23575	31029	23773	8614	4297	9863
MEAN	716	924	1227	740	394	668	786	1001	792	278	139	329
MAX	1870	2340	4480	4130	1520	2610	1720	1590	1310	418	187	1550
MIN	180	458	510	210	205	233	542	422	429	165	110	88

WTR YR 1969 TOTAL 243779 MEAN 668 MAX 4480 MIN 88

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10702	16156	26368	28490	20270	15888	24148	12640	12095	5865	2904	5934
MEAN	345	539	851	919	724	513	805	408	403	189	93.7	198
MAX	779	1370	3080	2500	1500	1070	4730	500	650	302	124	611
MIN	179	164	297	300	390	282	262	320	250	131	74	72

WTR YR 1970 TOTAL 181460 MEAN 497 MAX 4730 MIN 72

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8330	24261	32468	39693	30221	26130	17657	30770	23344	20855	9772	5810
MEAN	269	809	1047	1280	1079	843	589	993	778	673	315	194
MAX	1170	3310	4480	4840	3150	3760	920	1450	1210	913	596	410
MIN	89	199	339	323	528	331	364	666	597	524	190	130

WTR YR 1971 TOTAL 269311 MEAN 738 MAX 4840 MIN 89

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---											
MEAN	---											
MAX	---											
MIN	---											

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL		59067	58236	37858	19386	15230	16035	28662	20844	17034	9455	5171
MEAN		1969	1879	1221	668	491	535	925	695	549	305	172
MAX		5800	9040	3940	1250	1110	870	1580	1070	870	432	279
MIN		750	522	655	415	276	404	600	498	366	218	127

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5120	8126	16159	12995	16479	16671	18450	16366	14360	5777	4008	5079
MEAN	165	271	521	419	589	538	615	528	479	186	129	169
MAX	665	780	3380	2190	1320	1590	1040	977	780	279	346	426
MIN	84	133	155	228	201	279	315	398	267	122	79	97

WTR YR 1977 TOTAL 139590 MEAN 382 MAX 3380 MIN 79

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10760	45839	48679	21793	15382	14919	10656	12751	11219	5399	3903	10984
MEAN	347	1528	1570	703	549	481	355	411	374	174	126	366
MAX	1810	5750	5040	2260	1100	1730	482	1170	510	270	362	786
MIN	92	498	418	369	297	232	279	227	264	105	82	189

WTR YR 1978 TOTAL 212284 MEAN 582 MAX 5750 MIN 82

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5050	12465	14767	7721	27336	25393	13684	17211	11344	7424	3237	6425
MEAN	163	416	476	249	976	819	456	555	378	239	104	214
MAX	261	1430	1180	655	3860	3000	1170	950	611	489	133	1060
MIN	116	135	250	160	169	302	278	373	278	135	84	87

WTR YR 1979 TOTAL 152057 MEAN 417 MAX 3860 MIN 84

TABLE 7.--Records of gaging stations in Clallam County--continued

12042000 SOLEDUCK RIVER NEAR BEAVER, WA (Site 6)

LOCATION--Lat 48°04'00", long 124°07'00", in E½ sec. 28, T.30 N, R.11 W., on right bank 1,250 ft upstream from Snider ranger station, 4 miles downstream from Camp Creek, 9 miles downstream from South Fork, and 11 miles east of Beaver.

PERIOD OF RECORD--Oct 1921 to Sept 1922, Dec 1922 to Oct 1925, May 1926 to Sept 1926, Apr 1927 to Sept 1928

DRAINAGE AREA--116 sq mi.

GAGE--Staff gage. Altitude of gage is 730 ft (from topographic map). Nov 13 to Dec 16, 1921, staff gage 250 ft upstream at same datum.

EXTREMES--1922-28. Maximum discharge, 23,500 ft^3/s Dec 12, 1921 (gage height, 14.7 ft from graph based on gage readings); minimum observed, 28 ft^3/s Sept 14, 1926 (gage height, 1.10 ft).

REMARKS--No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1921 TO SEPTEMBER 1922
MEAN VALUES

1922	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	41540	41420	66180	10230	10133	6513	11272	33540	26280	9065	3717	4145
MEAN	1340	1381	2135	330	362	210	376	1082	876	292	120	138
MAX	1340	5870	18200	330	840	253	570	2180	1860	545	162	425
MIN	1340	340	780	330	198	186	238	520	520	153	83	72

WTR YR 1922 TOTAL 264035 MEAN 723 MAX 18200 MIN 72

1923	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL			48170	66298	15314	13763	16613	18653	15700	9883	3520	2549
MEAN			1554	2139	547	444	554	602	523	319	114	85.0
MAX			9840	7230	1960	840	780	960	840	545	157	238
MIN			200	360	238	285	448	402	380	162	75	54

1924	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6090	15399	57412	40688	61330	13032	9562	10535	6319	3322	1863	8996
MEAN	196	513	1852	1313	2115	420	319	340	211	107	60.1	300
MAX	1100	3470	12800	15300	11600	1100	695	470	300	151	114	2620
MIN	60	117	425	400	780	205	220	235	146	72	43	34

WTR YR 1924 TOTAL 234548 MEAN 641 MAX 15300 MIN 34

1925	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	33577	41222	42999	39718	60100	17978	16323	20731	14873	8249	3363	1678
MEAN	1083	1374	1387	1281	2146	580	544	669	496	266	108	55.9
MAX	2620	4480	4170	4170	6440	1580	1110	1410	583	395	140	77
MIN	333	633	439	462	608	333	294	485	417	144	77	44

WTR YR 1925 TOTAL 300811 MEAN 824 MAX 6440 MIN 44

1926	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1382							12957	6115	2585	1574	1933
MEAN	44.6							418	204	83.4	50.8	64.4
MAX	50							633	353	117	67	353
MIN	38							313	121	59	40	28

1927	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL							15705	26350	22345	10995	4230	9378
MEAN							524	850	745	355	136	313
MAX							1250	1410	1330	485	353	1330
MIN							333	509	509	209	94	130

1928	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22786	41265	21629	52536	13173	30357	22691	23042	12339	5840	2465	1816
MEAN	735	1376	698	1695	454	979	756	743	411	188	79.5	60.5
MAX	2850	3600	2100	5500	740	3880	1960	1250	633	276	113	200
MIN	276	417	353	445	260	228	489	583	293	115	55	45

WTR YR 1928 TOTAL 249939 MEAN 683 MAX 5500 MIN 45

TABLE 7.--Records of gaging stations in Clallam County--continued

12042500 SOLEDUCK RIVER NEAR QUILLAYUTE, WA (Site 23)

LOCATION--Lat 47°57'05", long 124°27'58", in NW¼ NE¼ sec. 11, T.28 N., R.14 W., Clallam County, on left bank 15 ft upstream from county bridge, 3.9 mi west of Forks and at mile 13.9.

DRAINAGE AREA--219 mi^2.

PERIOD OF RECORD--Nov 1897 to Mar 1900, Jan 1901 to Dec 1901, Oct to current year.

GAGE--Water-stage recorder. Altitude of gage is 150 ft (from topographic map). Prior to Dec 31, 1901, nonrecording gage at different datum.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 20,800 ft^3/s, Nov 1, 1977, gage height, 15.77 ft from rating curve extended above 6,700 ft^3/s; minimum discharge observed, 155 ft^3/s Oct 16, 17, 1901.

REMARKS--Water-discharge records excellent except those above 10,000 ft^3/s, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1897 TO SEPTEMBER 1898
MEAN VALUES

1898	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL		61580	117850	53390	79380	38483	35720	32394	30220	20952	11332	12534
MEAN		2053	3802	1722	2835	1241	1191	1045	1007	676	366	418
MAX		9770	12300	2590	5400	2120	1940	1280	1840	975	475	1310
MIN		1170	1460	1220	1100	865	865	865	783	475	289	200

1899	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	36357	54120	64030	84310	51680	36281	35751	32250	28165	22327	14457	8504
MEAN	1173	1804	2065	2720	1846	1170	1192	1040	939	720	466	283
MAX	5140	3160	4980	7480	5560	2160	4060	1720	1110	950	612	335
MIN	525	1070	1070	1390	990	682	682	870	735	612	335	240

WTR YR 1899 TOTAL 468232 MEAN 1283 MAX 7480 MIN 240

1900	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	18833	85727	89740	80590	39190	83670						
MEAN	608	2858	2895	2600	1400	2699						
MAX	1690	8960	7460	5560	2860	12600						
MIN	272	665	1270	1180	1090	1050						

1901	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL			---	95840	58001	65650	64430	56156	37875	20812	11593	7072
MEAN			---	3092	2071	2118	2148	1811	1263	671	374	236
MAX			---	11400	8130	8670	4080	4750	2190	833	506	276
MIN			---	1180	730	1060	1260	986	861	530	276	201

1902	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11427	128630	111270									
MEAN	369	4288	3589									
MAX	3540	12700	8800									
MIN	155	1440	1180									

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22084	104350	116020	53076	39276	32144	26854	26528	18030	9977	8392	25127
MEAN	712	3478	3743	1712	1403	1037	895	856	601	322	271	838
MAX	3480	9070	10500	5360	2670	2770	1110	2220	781	448	597	1850
MIN	252	1370	1160	956	761	619	714	529	448	239	212	410

WTR YR 1978 TOTAL 481858 MEAN 1320 MAX 10500 MIN 212

PROVISIONAL DATA

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14249	29270	41436	21371	78266	61684	30892	27954	16344	12282	6660	12035
MEAN	460	976	1337	689	2795	1990	1030	902	545	396	215	401
MAX	760	2700	2130	1590	7360	7080	2280	1660	801	691	253	1500
MIN	340	400	805	510	508	720	681	598	426	260	180	180

WTR YR 1979 TOTAL 352443 MEAN 966 MAX 7360 MIN 180

TABLE 7.--Records of gaging stations in Clallam County--continued

12042800 SOLEDUCK RIVER NEAR FORKS, WA (Site 32)

LOCATION--Lat 47°53'40", long 124°21'19", in NE¼ NE¼ sec. 34, T.28 N., R.13 W., Clallam County on right bank 50 ft downstream from U.S. Highway 101, 0.6 mi downstream from Bear Creek, 4.2 mi southeast of Forks and at mile 15.3.

DRAINAGE AREA--111 mi^2.

PERIOD OF RECORD--April 1975 to current year.

GAGE--Water stage recorder. Altitude of gage is 170 ft (from topographic map).

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 23,800 ft^3/s Dec 2, 1975, gage height, 15.81 ft from rating curve extended above 6,000 ft^3/s on basis of step-backwater analysis; minimum, 83 ft^3/s Aug 10, 1978, 7.61 ft.

REMARKS--Records good except those above 8,000 ft^3/s and those for periods Oct 1-19, Dec 10 to Jan 17, Mar 25 to Apr 4, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

1975	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL							13826	24431	11366	6716	15031	8798
MEAN							461	788	379	217	485	293
MAX							778	2950	618	302	3730	874
MIN							355	410	274	153	136	171

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	80125	87810	102968	69659	47956	41627	25394	27706	18349	13066	8535	6973
MEAN	2585	2927	3322	2247	1654	1343	846	894	612	421	275	232
MAX	15000	8000	17500	8410	4950	4400	1170	1480	1070	867	500	440
MIN	171	800	534	702	412	412	622	503	370	242	199	150

WTR YR 1976 TOTAL 530168 MEAN 1449 MAX 17500 MIN 150

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10011	19743	37094	29182	40952	43870	24925	21796	14022	5425	5248	11961
MEAN	323	658	1197	941	1463	1415	831	703	467	175	169	399
MAX	1750	2990	7060	6200	4750	5020	1710	1490	1130	300	638	1500
MIN	113	237	246	295	391	419	518	405	195	116	92	147

WTR YR 1977 TOTAL 264229 MEAN 724 MAX 7060 MIN 92

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23095	86851	84223	36020	27255	21692	18408	20703	9904	4274	7602	27783
MEAN	745	2895	2717	1162	973	700	614	668	330	138	245	926
MAX	4940	11000	9500	4480	2700	3390	1260	3150	615	188	1270	2570
MIN	154	589	440	419	340	269	383	259	195	98	85	399

WTR YR 1978 TOTAL 367810 MEAN 1008 MAX 11000 MIN 85

PROVISIONAL DATA
MEAN VALUES

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10593	21923	36307	15693	71363	42020	22029	17136	7228	8662	3795	14446
MEAN	342	731	1171	506	2549	1355	734	553	241	279	122	482
MAX	616	2390	2880	2060	8020	6520	3180	1720	454	760	158	3130
MIN	235	301	481	301	285	340	334	280	170	143	106	106

WTR YR 1979 TOTAL 271195 MEAN 743 MAX 8020 MIN 106

TABLE 7.--Records of gaging stations in Clallam County--continued

12043000 CALAWAH RIVER NEAR FORKS, WA (Site 42)

LOCATION--Lat 47°57'37", long 124°23'30", in NW¼ SW¼ sec. 4, T.28 N., R.13 W., Clallam County on left bank 30 ft downstream from U.S. Highway 101 bridge, 0.8 mi northwest of Forks, and at mile 6.6.

DRAINAGE AREA--129 mi^2.

PERIOD OF RECORD--Nov 1897 to Dec 1901, Jan 1976 to current year.

GAGE--Water-stage recorder. Datum of gage is 201.58 ft, National Geodetic Vertical Datum of 1929. Nov 1897 to Dec 1901, nonrecording gage at same site but at different datum; Oct to Dec 1975, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE--6 years (water years 1899-1901, 1977-79) 1,044 ft^3/s, 109.91 in/yr, 756,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum dicharge, 22,600 ft^3/s, Dec 2, 1975, gage height, 16.99 ft, from rating curve extended above 6,000 ft^3/s on basis of step-backwater analysis; maximum gage height, 17.2 ft, from graph based on gage readings, Nov 18, 1897; minimum, 15 ft^3/s Sept 28, 1899.

REMARKS--Water-discharge records excellent. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1897 TO SEPTEMBER 1898
MEAN VALUES

1898	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL		59197	110989	38028	76318	23683	24719	13920	15719	10014	6225	9876
MEAN		1973	3580	1227	2726	764	824	449	524	323	201	329
MAX		12800	12200	3400	7400	1630	3050	621	1440	892	706	1250
MIN		560	873	689	797	474	301	270	270	155	105	40

1899	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	25011	43919	67588	85732	61258	38355	36976	25498	14504	6000	3588	1959
MEAN	807	1464	2180	2766	2188	1237	1233	823	483	194	116	65.3
MAX	3810	3810	8430	8600	6260	3540	6260	1150	689	286	180	193
MIN	348	604	604	740	621	554	426	689	301	80	70	15

WTR YR 1899 TOTAL 410388 MEAN 1124 MAX 8600 MIN 15

1900	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	17879	101285	84482	91260	48706	74406	22277	22353	33847	14275	5236	3995
MEAN	577	3376	2725	2944	1740	2400	743	721	1128	460	169	133
MAX	2070	10800	12400	8000	4950	12600	2480	2070	6600	687	507	347
MIN	80	474	835	850	777	665	237	225	330	190	110	70

WTR YR 1900 TOTAL 520001 MEAN 1425 MAX 12600 MIN 70

1901	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	56250	69209	96480	48864	32225	42529	31308	29945	14334	5591	2681	2485
MEAN	1815	2307	3112	1576	1151	1372	1044	966	478	180	86.5	82.8
MAX	7800	11600	8100	10200	5210	5210	2440	5020	909	300	158	170
MIN	105	777	1160	314	300	566	566	548	314	147	71	71

WTR YR 1901 TOTAL 431901 MEAN 1183 MAX 11600 MIN 71

TABLE 7.--Records of gaging stations in Clallam County--continued

12043000 CALAWAH RIVER NEAR FORKS, WA (Site 42) -- continued

1902	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7096	73506	64691									
MEAN	229	2450	2087									
MAX	2700	8710	6540									
MIN	71	762	566									

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL				69686	52845	50214	27260	19318	12280	7560	5323	5052
MEAN				2248	1822	1620	909	623	409	244	172	168
MAX				8760	5180	5000	1500	1170	906	448	336	267
MIN				750	468	590	655	312	228	144	114	122

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8242	17267	33550	24525	37907	50041	23406	17587	11339	4950	4265	9624
MEAN	266	576	1082	791	1354	1614	780	567	378	160	138	321
MAX	1350	2340	5930	5630	5520	5680	1460	1220	898	285	368	1200
MIN	103	202	250	320	356	600	440	348	170	114	92	128

WTR YR 1977 TOTAL 242703 MEAN 665 MAX 5930 MIN 92

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	21495	80867	81001	36951	29372	23773	18888	19492	8725	3859	5546	24349
MEAN	693	2696	2613	1192	1049	767	630	629	291	124	179	812
MAX	4410	9460	10100	4730	2940	3570	1230	3060	448	167	814	2280
MIN	138	715	520	505	384	306	416	257	170	97	91	332

WTR YR 1978 TOTAL 354318 MEAN 971 MAX 10100 MIN 91

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	9469	20171	36127	14765	78755	42517	25429	13753	4946	6930	3051	13545
MEAN	305	672	1165	476	2813	1372	848	444	165	224	98.4	452
MAX	452	2280	2690	1460	11600	6250	3720	1250	278	695	111	3100
MIN	205	287	486	290	302	355	350	214	114	114	90	95

WTR YR 1979 TOTAL 269458 MEAN 738 MAX 11600 MIN 90

TABLE 7.--Records of gaging stations in Clallam County--continued

12043080 EAST FORK DICKEY RIVER NEAR LAPUSH, WA (Site 64)

LOCATION--Lat 47°59'10", long 124°32'45", in SE¼ SE¼ sec. 30, T.29 N., R.14 W., on left bank at crossing of logging road a quarter of a mile upstream from confluence with West Fork and 6½ miles northest of LaPush.

DRAINAGE AREA--39.8 mi^2.

RECORDS AVAILABLE--Aug to Oct 1962, Apr 1963 to Sept 1968.

GAGE--Water-stage recorder. altitude of gage is 70 ft (from topographic map).

AVERAGE DISCHARGE--5 years (1964-68), 281 ft^3/s (203,400 acre-ft/yr).

EXTREMES--1962-68. Maximum disharge 8,800 ft^3/s Jan 18, 1968 (gage height, 16.32 ft^3/s), from rating curve extended above 3,700 ft^3/s on basis of slope-area measurements at gage heights 10.19 and 16.32 ft; minimum, 5.6 ft^3/s Aug 11-20, 1967 (gage height, 1.18 ft).

REMARKS--Records excellent. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL											1205	1169
MEAN											38.9	39.0
MAX											87	224
MIN											10	15

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL							7320	3882	720	1973	581	487
MEAN							244	125	24.0	63.6	18.7	16.2
MAX							551	467	41	647	31	37
MIN							80	28	18	17	13	10

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10885	21252	15538	20294	8533	12994	5536	2547	2153	2878	1550	3333
MEAN	351	708	501	655	294	419	185	82.2	71.8	92.8	50.0	111
MAX	1860	3000	3760	1370	665	1800	636	140	135	420	106	1030
MIN	16	280	93	295	99	103	85	44	38	30	25	21

WTR YR 1964 TOTAL 107493 MEAN 294 MAX 3760 MIN 16

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6167	11338	10675	20821	18816	3664	3932	4910	818	500	666	583
MEAN	199	378	344	672	672	118	131	158	27.3	16.1	21.5	19.4
MAX	1260	2710	1390	1940	2680	535	615	544	46	21	59	48
MIN	58	66	140	233	188	42	45	51	19	13	12	15

WTR YR 1965 TOTAL 82890 MEAN 227 MAX 2710 MIN 12

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6245	12477	16112	19784	7436	12544	3099	1817	1216	1043	557	996
MEAN	201	416	520	638	266	405	103	58.6	40.5	33.6	18.0	33.2
MAX	838	1080	1490	2800	880	1280	238	182	130	70	73	207
MIN	18	198	120	130	120	104	49	31	26	19	10	10

WTR YR 1966 TOTAL 83326 MEAN 228 MAX 2800 MIN 10

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8821	13439	28231	25389	16919	12787	4722	2205	749	289.1	190.6	805.9
MEAN	285	448	911	819	604	412	157	71.1	25.0	9.33	6.15	26.9
MAX	1070	2010	2200	1780	2220	1900	391	154	60	18	7.1	176
MIN	24	100	262	356	138	133	92	30	13	6.5	5.6	8.7

WTR YR 1967 TOTAL 114547.6 MEAN 314 MAX 2220 MIN 5.6

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	18942	9295	21416	26635	15697	12602	7230	2883	2186	993	1118	5701
MEAN	611	310	691	859	541	407	241	93.0	72.9	32.0	36.1	190
MAX	1770	1270	3460	7180	1940	1660	1020	292	269	78	93	2030
MIN	146	115	92	113	72	138	111	41	35	16	12	22

WTR YR 1968 TOTAL 124698 MEAN 341 MAX 7180 MIN 12

TABLE 7.--Records of gaging stations in Clallam County--continued

12043100 DICKEY RIVER NEAR LA PUSH, WA (Site 68)

LOCATION--Lat 47°57'53", long 124°32'53", in NE¼ NE¼ sec. 6, T.28 N., R.14 W., Clallam County on left bank 1.0 mi upstream from Colby Creek, 5.5 mi northeast of La Push and at mile 6.0.

DRAINAGE AREA--86.3 mi^2.

PERIOD OF RECORD--Sept 1962 to Sept 1973, Aug 1976 to current year.

GAGE--Water-stage recorder. Altitude of gage is 50 ft (from topographic map).

AVERAGE DISCHARGE--14 years (water years 1963-73, 1977-79), 529 ft^3/s, 83.18 in/yr, 382,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 17,300 ft^3/s Jan 19, 1968, gage height, 22.15 ft from high-water mark in well, from rating curve extended above 4,900 ft^3/s on basis of slope-area measurement of peak flow; minimum, 8.9 ft^3/s Aug. 29, 30, 31, 1967, gage height, 0.79 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL												2410
MEAN												80.3
MAX												454
MIN												22

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14594	36041	34097	19411	21133	13742	14818	7949	1336	4014	1330	823
MEAN	471	1201	1100	626	755	443	494	256	44.5	129	42.9	27.4
MAX	2320	6160	5480	5370	2550	1460	1040	947	74	1140	80	48
MIN	143	132	290	85	108	143	175	53	30	35	25	20

WTR YR 1963 TOTAL 169288 MEAN 464 MAX 6160 MIN 20

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23478	42865	32535	43394	18015	28243	11564	5078	4745	6752	3367	7195
MEAN	757	1428	1050	1400	621	911	385	164	158	218	109	240
MAX	3640	5560	6390	2920	1450	3760	1250	280	322	905	232	2180
MIN	22	596	208	650	208	217	178	99	88	68	51	39

WTR YR 1964 TOTAL 227211 MEAN 621 MAX 6390 MIN 22

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12800	22048	22922	41936	41312	8125	8689	10633	1494	673	1261	1038
MEAN	413	735	739	1353	1475	262	290	343	49.8	21.7	40.0	34.6
MAX	2730	5020	2930	3890	4840	1210	1260	1230	100	29	127	93
MIN	108	128	294	486	395	82	98	110	27	16	14	21

WTR YR 1965 TOTAL 172911 MEAN 474 MAX 5020 MIN 14

TABLE 7.--Records of gaging stations in Clallam County--continued

12043100 DICKEY RIVER NEAR LA PUSH, WA (Site 68) -- continued

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	13754	27680	36422	44239	16679	28031	6503	3907	2672	2224	1118	2266
MEAN	444	923	1175	1427	596	904	217	126	89.1	71.7	36.1	75.5
MAX	1750	2300	3200	6210	1980	2750	520	394	279	150	170	447
MIN	38	450	277	312	290	240	100	58	57	35	19	23

WTR YR 1966 TOTAL 185495 MEAN 508 MAX 6210 MIN 19

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19140	29507	63272	55910	37398	29014	10951	4799	1575	608	370.0	1535
MEAN	617	984	2041	1804	1336	936	365	155	52.5	19.6	11.9	51.2
MAX	2230	4470	4760	3630	4740	4220	796	328	140	31	16	303
MIN	51	222	581	810	304	304	220	68	27	15	9.6	16

WTR YR 1967 TOTAL 254079.0 MEAN 696 MAX 4760 MIN 9.6

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	42793	21268	46321	56517	33254	27749	15635	6524	4934	2489	2695	13328
MEAN	1380	709	1494	1823	1147	895	521	210	164	80.3	86.9	444
MAX	3910	2650	6480	13500	3980	3310	1970	584	548	213	230	4040
MIN	340	258	203	281	178	312	243	101	79	33	20	50

WTR YR 1968 TOTAL 273507 MEAN 747 MAX 13500 MIN 20

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	30311	27855	41959	28973	25254	18438	20634	6168	3186	1539	999	11509
MEAN	978	929	1354	935	902	595	688	199	106	49.6	32.2	384
MAX	3380	2490	4500	5000	4500	2300	2220	1440	308	133	113	2580
MIN	146	370	430	150	200	190	229	47	47	22	17	19

WTR YR 1969 TOTAL 216825 MEAN 594 MAX 5000 MIN 17

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12916	15531	25528	27621	16778	13489	26820	5383	1275	860	570	6046
MEAN	417	518	823	891	599	435	894	174	42.5	27.7	18.4	202
MAX	1090	1920	2930	3120	1800	1400	4510	409	74	87	43	1090
MIN	133	203	172	182	173	121	167	81	24	14	12	12

WTR YR 1970 TOTAL 152817 MEAN 419 MAX 4510 MIN 12

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14187	21053	38235	51847	27694	33853	12928	5321	4314	2365	1039	4178
MEAN	458	702	1233	1672	989	1092	431	172	144	76.3	33.5	139
MAX	2360	2010	4140	8130	2390	3070	1270	668	588	140	131	328
MIN	58	133	307	298	475	307	133	67	67	29	17	47

WTR YR 1971 TOTAL 217014 MEAN 595 MAX 8130 MIN 17

TABLE 7.--Records of gaging stations in Clallam County--continued

12043100 DICKEY RIVER NEAR LA PUSH, WA (Site 68) -- continued

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG	SEP
TOTAL	19467	32331	33354	3520R	35544	36840	22012	3647	966	10347	886	4088
MEAN	628	1078	1076	1136	1226	1188	734	118	32.2	334	28.6	136
MAX	2770	4880	3440	5210	4240	3540	2570	271	44	4450	51	1530
MIN	98	314	349	289	206	253	228	40	26	17	16	15

WTR YR 1972 TOTAL 234690 MEAN 641 MAX 5210 MIN 15

1973	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULI	AUG	SEP
TOTAL	1673	16437	55915	37805	11328	17393	5437	8721	7515	1853	708	1156
MEAN	54.0	548	1804	1220	405	561	181	281	251	59.8	22.8	38.5
MAX	151	1710	10000	4000	1100	1440	378	2130	764	120	33	148
MIN	32	150	140	310	170	198	88	84	109	26	17	13

WTR YR 1973 TOTAL 165941 MEAN 455 MAX 10000 MIN 13

1974	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---											
MEAN	---											
MAX	---											
MIN	---											

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL											3033	3768
MEAN											97.8	126
MAX											126	140
MIN											75	103

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3000	6797	12712	15394	15370	23769	12342	7569	6409	3096	1525	2925
MEAN	96.8	227	410	497	549	767	411	244	214	99.9	49.2	97.5
MAX	156	297	640	671	723	1010	599	289	289	129	71	172
MIN	74	164	223	382	410	621	271	201	132	72	34	51

WTR YR 1977 TOTAL 110908 MEAN 304 MAX 1010 MIN 34

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4823	10046	19419	15726	20738	24863	7278	8300	4686	1661	1299	5145
MEAN	156	335	626	507	741	802	243	268	156	53.6	41.9	172
MAX	969	1340	3480	2830	2140	2720	438	856	462	174	168	800
MIN	45	103	127	138	234	270	116	107	48	33	17	35

WTR YR 1977 TOTAL 123984 MEAN 340 MAX 3480 MIN 17

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11800	42101	37243	17651	13353	11818	10442	7124	3975	1101	4289	17356
MEAN	381	1403	1201	569	477	381	348	230	133	35.5	138	579
MAX	1850	4900	4970	2230	1300	1640	673	1030	602	52	581	1840
MIN	77	307	184	209	160	120	180	94	54	22	18	231

WTR YR 1978 TOTAL 178253 MEAN 488 MAX 4970 MIN 18

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5409	11342	20127	8009	38456	18866	9937	5107	1362	1969	495	8256
MEAN	174	378	649	258	1373	609	331	165	45.4	63.5	16.0	275
MAX	410	1470	1300	764	4230	3150	1430	557	142	177	21	1350
MIN	96	155	240	140	142	122	114	53	22	21	13	15

WTR YR 1979 TOTAL 129335 MEAN 354 MAX 4230 MIN 13

TABLE 7.--Records of gaging stations in Clallam County--continued

12043150 OZETTE RIVER AT OZETTE, WA

LOCATION--Lat 48°09'13", long 124°40'04", in NE¼ NE¼ sec. 31, T.31 N., R.15 W., Clallam County, on right bank, 50 ft west of Ozette Ranger station, 75 ft upstream from foot bridge, 250 ft downstream from Ozette Lake and 3 mi southeast of Cap Alava.

DRAINAGE AREA--77.5 mi^2.

PERIOD OF RECORD--Oct 1977 to current year.

GAGE--Water-stage recorder. Altitude of gage is 30 ft from topographic map.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 1,500 ft^3/s (42.5 m^3/s) Dec. 3, 1977, gage height, 38.50 ft; minimum, 32 ft^3/s Aug 22, 1977, gage height, 31.40 ft.

REMARKS--Records good. Flow affected by natural regulation from Ozette Lake. No diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5933	25661	35631	20273	15028	11673	11974	8756	6142	2808	2709	11295
MEAN	191	855	1149	654	537	377	399	282	205	90.6	87.4	377
MAX	462	1120	1490	816	673	482	449	337	265	140	172	471
MIN	121	539	709	480	395	301	333	232	146	56	44	180

WTR YR 1978 TOTAL 157883 MEAN 433 MAX 1490 MIN 44

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7324	9367	14472	8738	19732	27517	11029	6495	2670	1822	913	3631
MEAN	236	312	467	282	705	888	368	210	89.0	58.8	29.5	121
MAX	344	390	550	393	1250	1390	445	285	126	71	42	175
MIN	188	183	360	236	215	405	264	131	58	43	22	22

WTR YR 1979 TOTAL 113710 MEAN 312 MAX 1390 MIN 22

TABLE 7.--Records of gaging stations in Clallam County--continued

12043163 SOOES RIVER BELOW MILLER CREEK NEAR OZETTE, WA

LOCATION--Lat 48°15'58", long 124°37'30", in NE¼ NE¼ sec. 21, T.32 N., R.15 W., Clallam County, on right bank at downstream side of Crown Zellerback logging road, 0.6 mi downstream from Miller Creek and 8 mi north of Ozette.

DRAINAGE AREA--32.0 mi^2.

PERIOD OF RECORD--Mar 1976 to current year.

GAGE--Water-stage recorder. Altitude of gage is 70 ft (from topographic map).

EXTREMES FOR PERIOD OF RECORD--Maximum discharge 3,270 ft^3/s Nov 25, 1977, gage height, 13.39 ft; minimum 9.9 ft^3/s Aug 8, 9, 1978, gage height, 5.54 ft.

REMARKS--Water-discharge records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL						---	4337	2378	2886	1517	1684	1977
MEAN						---	145	76.7	96.2	48.9	54.3	65.9
MAX						---	330	278	373	241	297	327
MIN						---	68	31	37	24	18	26

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2697	4787	8165	6222	9396	9077	3117	2947	2099	1338	922	2692
MEAN	87.0	160	263	201	336	293	104	95.1	70.0	43.2	29.7	89.7
MAX	466	870	1260	1430	1200	950	272	250	217	169	175	434
MIN	23	46	51	55	75	100	55	52	30	24	13	24

WTR YR 1977 TOTAL 53459 MEAN 146 MAX 1430 MIN 13

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4130	18447	16808	7730	5828	4994	4309	3437	1630	562	2792	5899
MEAN	133	615	542	249	208	161	144	111	54.3	18.1	90.1	197
MAX	732	1590	2070	936	582	696	320	543	247	26	477	832
MIN	37	195	85	85	68	49	64	40	26	12	10	72

WTR YR 1978 TOTAL 76566 MEAN 210 MAX 2070 MIN 10

PROVISIONAL DATA

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1838	5210	8133	2929	12823	7972	4361	1966	820	930	357	2219
MEAN	59.3	174	262	94.5	458	257	145	63.4	27.3	30.0	11.5	74.0
MAX	172	724	610	370	1360	1210	666	204	70	84	14	335
MIN	35	45	80	50	47	72	53	33	18	14	10	11

WTR YR 1979 TOTAL 49558 MEAN 136 MAX 1360 MIN 10

TABLE 7.--Records of gaging stations in Clallam County--continued

12043173 WAATCH RIVER BELOW EDUCKET CREEK AT NEAH BAY, WA

LOCATION--Lat 48°21'25", long 124°37'36", in NW¼ SE¼ sec. 15, T.35 N., R.15 W., Clallam County, Makah Indian Reservation, on left bank at Neah Bay pumping plant, 80 ft downstream from Educket Creek, and 0.7 mi south of Neah Bay.

DRAINAGE AREA--9.96 mi^2.

PERIOD OF RECORD--May 1976 to current year.

GAGE--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 1,180 ft^3/s Nov 25, 1977, gage height, 8.76 ft; minimum, 0.12 ft^3/s Aug 9, 1978, gage height, 0.62 ft.

REMARKS--Water-discharge records good except those below 2.0 ft^3/s, which are poor. Makah Water Utility diverts approximately 21 acre-ft annually at the gage, for municipal use. No regulation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL								638.7	778.3	279.8	412.6	553.3
MEAN								20.6	25.9	9.03	13.3	18.4
MAX								104	123	59	69	127
MIN								5.4	8.8	3.2	2.1	5.2

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	906.5	1266	2095	1973	1926	2639	624	651.0	420.6	425.1	202.73	880.5
MEAN	29.2	42.2	67.6	63.6	68.8	85.1	20.8	21.0	14.0	13.7	6.54	29.4
MAX	152	224	320	450	290	340	50	69	48	64	65	177
MIN	4.9	14	14	12	18	20	10	8.8	5.7	4.5	.44	6.6

WTR YR 1977 TOTAL 14009.43 MEAN 38.4 MAX 450 MIN .44

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1539.8	4890	4158	2410	1873	1527	1305	843.5	294.0	73.5	845.30	1762
MEAN	49.7	163	134	77.7	66.9	49.3	43.5	27.2	9.80	2.37	27.3	58.7
MAX	328	447	574	345	219	248	119	141	57	5.2	160	246
MIN	8.7	23	14	18	17	11	13	7.0	3.4	1.1	.60	15

WTR YR 1978 TOTAL 21521.10 MEAN 59.0 MAX 574 MIN .60

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	539.8	1606	2571	820	4378	2064.9	1378.7	480.5	142.5	366.6	47.58	641.3
MEAN	17.4	53.5	82.9	26.5	156	66.6	46.0	15.5	4.75	11.8	1.53	21.4
MAX	43	283	257	129	423	402	246	45	9.9	50	2.9	90
MIN	8.7	11	18	12	11	9.9	9.1	5.5	2.0	2.7	.76	1.2

WTR YR 1979 TOTAL 15036.88 MEAN 41.2 MAX 423 MIN .76

TABLE 7.--Records of gaging stations in Clallam County--continued

12043190 SAIL RIVER NEAR NEAH BAY, WA

LOCATION--Lat 48°21'27", long 124°33'37", in NW SE sec. 18, T.33 N., R.14 W., Clallam County, Makah Indian Reservation, on right bank 100 ft upstream from State Highway 112, 0.2 mi upstream from mouth, and 3.0 mi east of Neah Bay.

DRAINAGE AREA--5.42 mi^2.

PERIOD OF RECORD--June 1976 to current year.

GAGE--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

EXTRMES FOR PERIOD OF RECORD--Maximum discharge, 762 ft^3/s Nov 25, 1977, gage height, 6.08 ft; minimum, 0.41 ft^3/s Aug 8, 9, 1978, gage height, 2.94 ft.

REMARKS--Water discharge records good. No regulation. Minor diversion above station for domestic use.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL									380.4	150.3	140.4	210.8
MEAN									12.7	4.85	4.53	7.03
MAX									40	21	15	37
MIN									4.6	2.0	1.4	2.6

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	506.6	801.7	1369.4	1160.0	1713	2138	690.4	568.2	417.7	143.3	148.4	622.7
MEAN	16.3	26.7	44.2	37.4	61.2	69.0	23.0	18.3	13.9	4.62	4.79	20.8
MAX	96	133	196	292	205	254	41	44	44	15	42	90
MIN	2.4	6.2	5.4	5.1	13	18	9.4	8.4	3.1	2.3	1.3	3.3

WTR YR 1977 TOTAL 10279.4 MEAN 28.2 MAX 292 MIN 1.3

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1035.6	3290	2689.5	1710	1215	1017.6	902	638.2	265.6	59.95	415.76	1312
MEAN	33.4	110	86.8	55.2	43.4	32.8	30.1	20.6	8.85	1.93	13.4	43.7
MAX	205	316	369	232	119	129	63	90	29	3.4	74	161
MIN	3.5	17	9.5	16	12	7.4	11	4.9	3.6	.85	.49	11

WTR YR 1978 TOTAL 14551.21 MEAN 39.9 MAX 369 MIN .49

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	372.8	929.3	1646	429.8	2838.8	1236.9	643.2	250.0	86.6	156.9	33.06	350.6
MEAN	12.0	31.0	53.1	13.9	101	39.9	21.4	8.06	2.89	5.06	1.07	11.7
MAX	29	162	129	53	322	253	147	22	9.2	18	1.6	52
MIN	5.3	5.3	11	4.9	7.6	4.3	4.0	2.6	1.7	1.6	.78	1.4

WTR YR 1979 TOTAL 8973.96 MEAN 24.6 MAX 322 MIN .78

TABLE 7.--Records of gaging stations in Clallam County--continued

12043300 HOKO RIVER NEAR SEKIU, WA (Site 90)

LOCATION--Lat 48°14'30", long 124°22'57", in NE¼ SW¼ sec. 28, T.32 N., R.13 W., Clallam County, on right bank 2.2 mi upstream from Little Hoko River and 4.0 mi southwest of Sekiu.

DRAINAGE AREA--51.2 mi^2.

PERIOD OF RECORD--July 1962 to Sep 1974.

GAGE--Water-stage recorder. Altitude of gage is 50 ft (from topographic map).

AVERAGE DISCHARGE--12 years (water years 1963-74) 408 ft^3/s, 108.22 in/yr, 295, 600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 14,100 ft^3/s Dec 25, 1972, gage height, 14.17 ft, from rating curve extended above 2,100 ft^3/s on basis of slope-area measurement at gage height, 12.49 ft; minimum, 12 ft^3/s Aug 30, 1967; minimum gage height, 0.97 ft Sept. 15, 16, 1973.

REMARKS--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL											2101	2078
MEAN											67.8	69.3
MAX											148	249
MIN											25	31

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10408	26769	22578	13239	14817	9372	9615	6323	1352	2832	1214	858
MEAN	336	892	728	427	529	302	321	204	45.1	91.4	39.2	28.6
MAX	1770	6340	3000	3370	1580	736	645	665	69	600	63	56
MIN	91	105	218	74	80	127	141	56	34	31	30	22

WTR YR 1963 TOTAL 119377 MEAN 327 MAX 6340 MIN 22

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14547	27594	22229	29909	12532	19661	8690	4464	3851	4947	2672	4523
MEAN	469	920	717	965	432	634	290	144	128	160	86.2	151
MAX	2590	3840	3840	2020	1000	2340	808	274	203	552	135	1260
MIN	22	453	200	480	176	195	165	93	77	65	53	47

WTR YR 1964 TOTAL 155619 MEAN 425 MAX 3840 MIN 22

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8397	14121	16093	30035	27003	5482	5944	7321	1457	772	909	858
MEAN	271	471	519	969	964	177	198	236	48.6	24.9	29.3	28.6
MAX	1540	3790	2000	2980	2600	555	853	612	82	36	93	81
MIN	93	101	243	361	328	67	71	89	31	17	16	19

WTR YR 1965 TOTAL 118392 MEAN 324 MAX 3790 MIN 16

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7994	17746	21433	32675	11182	19306	5482	2924	2224	2031	1078	1630
MEAN	258	592	691	1054	399	623	183	94.3	74.1	65.5	34.8	54.3
MAX	1090	1470	1890	5360	1160	1760	340	208	180	115	94	205
MIN	19	329	212	240	200	205	94	58	52	36	24	25

WTR YR 1966 TOTAL 125705 MEAN 344 MAX 5360 MIN 19

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11311	18003	42669	38980	26552	20295	6887	3766	1543	683	454	994
MEAN	365	600	1376	1257	948	655	230	121	51.4	22.0	14.6	33.1
MAX	1460	2630	3150	2420	3910	3290	322	228	105	30	18	164
MIN	41	148	420	601	224	230	151	61	30	17	13	16

WTR YR 1967 TOTAL 172137 MEAN 472 MAX 3910 MIN 13

TABLE 7.--Records of gaging stations in Clallam County--continued

12043300 HOKO RIVER NEAR SEIKU, WA (Site 90) -- continued

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	28127	15101	30392	37433	22955	17245	9744	4016	2807	1880	1696	9664
MEAN	907	503	980	1208	792	556	325	130	93.6	60.6	54.7	322
MAX	2880	2160	3840	8490	2440	2080	1120	299	232	137	127	2910
MIN	246	190	169	208	137	213	159	63	51	33	23	40

WTR YR 1968 TOTAL 181060 MEAN 495 MAX 8490 MIN 23

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	18414	17518	27603	18883	18246	14150	13537	4083	2361	1299	887	6506
MEAN	594	584	890	609	652	456	451	132	78.7	41.9	28.6	217
MAX	2000	1340	3000	3660	3080	1620	1420	515	179	83	74	1500
MIN	102	240	263	109	143	179	167	55	47	25	21	20

WTR YR 1969 TOTAL 143487 MEAN 393 MAX 3660 MIN 20

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8592	9686	17456	18954	11983	9285	18740	4227	1402	1020	774	4484
MEAN	277	323	563	611	428	300	625	136	46.7	32.9	25.0	149
MAX	624	1130	1740	1710	1060	800	2820	230	79	99	47	750
MIN	109	153	129	145	145	108	131	71	32	19	17	17

WTR YR 1970 TOTAL 106603 MEAN 292 MAX 2820 MIN 17

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8714	14754	27844	35840	20809	23107	8613	3737	3011	2004	1021	2353
MEAN	281	492	898	1156	743	745	287	121	100	64.6	32.9	78.4
MAX	1350	1250	3610	4870	1560	2300	680	310	250	115	83	187
MIN	58	113	252	225	436	223	110	64	70	34	22	42

WTR YR 1971 TOTAL 151807 MEAN 416 MAX 4870 MIN 22

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11755	24023	24118	29932	27529	27816	15455	3298	1059	5824	921	2118
MEAN	379	801	778	966	949	897	515	106	35.3	188	29.7	70.6
MAX	1670	3610	2620	4330	3330	4290	1720	224	46	2280	45	611
MIN	62	255	245	227	156	205	174	47	28	19	18	15

WTR YR 1972 TOTAL 173848 MEAN 475 MAX 4330 MIN 15

1973	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1245	12490	41394	30634	9134	12355	4366	5804	5212	1780	806	857
MEAN	40.2	416	1335	988	326	399	146	187	174	57.4	26.0	28.6
MAX	79	1370	6890	3060	805	840	318	1180	495	108	38	101
MIN	30	127	118	241	143	158	77	73	88	31	20	15

WTR YR 1973 TOTAL 126077 MEAN 345 MAX 6890 MIN 15

1974	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14378	31561	34447	36498	29751	29904	13804	11875	5263	4146	1142	886
MEAN	464	1052	1111	1177	1063	965	460	383	175	134	36.8	29.5
MAX	1410	3910	3170	3370	6010	3990	1060	1620	660	598	59	116
MIN	25	479	371	121	283	253	183	153	61	59	22	17

WTR YR 1974 TOTAL 213655 MEAN 585 MAX 6010 MIN 17

TABLE 7.--Records of gaging stations in Clallam County--continued

12043350 CLALLAM RIVER NEAR CLALLAM BAY, WA. (Site 93)

LOCATION--Lat 48°13'30", long 124°15'15", in NE¼ SW¼ sec. 33, T.32 N., R.12 W., on left bank 1 mile upstream from Charley Crek and 2 miles south of Clallam Bay.

DRAINAGE AREA--137 mi^2.

RECORDS AVAILABLE--Aug to Oct 1962

GAGE--Water-stage recorder. Altitude of gage is 50 ft (from topographic map).

EXTREMES--Maximum daily discharge during period, 127 ft^3/s Oct 9; minimum discharge, 2.2 ft^3/s July 29 to Aug 2 (gage height, 0.92 ft).

REMARKS--Records excellent. Some diversion for domestic use. No regulation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL											320.2	433.7
MEAN											10.3	14.5
MAX											23	70
MIN											2.2	3.2

12043430 EAST TWIN RIVER NEAR PYSHT, WA. (Site 103)

LOCATION--Lat 48°09'49", long 123°56'33", in NW¼ SW¼ sec. 24, T.31 N., R.10 W., Clallam County, on right bank on downstream side of bridge of State Highway 12, 1,300 ft upstream from mouth, and 8.4 miles southeast of Pysht.

DRAINAGE AREA.--14.0 mi^2.

PERIOD OF RECORD.--Aug 1962 to Sept 1972.

AVERAGE DISCHARGE.--10 years (water years 1963-72), 64.7 ft^3/s, 62.76 in/yr, 46,880 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 1,220 ft^3/s Nov 18, 1962 (gage height, 6.62 ft, site then in use), from rating curve extended above 200 ft^3/s on basis of slope-area measurement of peak flow; minimum, 2.3 ft^3/s Aug 14-17, 1967; minimum gage height, 0.68 ft Aug 25, 26, 27, 1967.

REMARKS--Records good except those for period of no gage-height record, which are fair. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1961 TO SEPTEMBER 1962
MEAN VALUES

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL												180.9
MEAN												6.03
MAX												23
MIN												3.7
1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1115.8	4516	3570	2850	2968	1876	1711	1413	289.9	291.0	173.3	149.0
MEAN	36.0	151	115	91.9	106	60.5	57.0	45.6	9.66	9.39	5.59	4.97
MAX	220	558	322	405	313	110	125	145	15	31	7.2	8.7
MIN	8.0	12	34	17	17	31	26	14	6.6	5.7	4.6	4.2
WTR YR 1963 TOTAL	20923.0	MEAN 57.3	MAX 558	MIN 4.2								
1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2039.6	5480	2953	5758	2151	3063	1678	982	763	360.8	273.6	317.9
MEAN	65.8	183	95.3	186	74.2	98.8	55.9	31.7	25.4	11.6	8.83	10.6
MAX	288	327	198	346	300	384	88	56	40	20	13	72
MIN	4.2	92	48	100	27	52	34	26	13	9.0	7.4	7.2
WTR YR 1964 TOTAL	25819.9	MEAN 70.5	MAX 384	MIN 4.2								
1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	747	1718	2108	4641	4015	1307	1302	1318	378.0	165.0	143.0	128.3
MEAN	24.1	57.3	68.0	150	143	42.2	43.4	42.5	12.6	5.32	4.61	4.28
MAX	59	460	260	478	524	96	222	96	22	7.0	7.7	6.3
MIN	13	14	30	38	61	22	16	24	7.0	4.2	4.0	3.8
WTR YR 1965 TOTAL	17970.3	MEAN 49.2	MAX 524	MIN 3.8								
1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	388.2	2424	3389	5821	2153	3833	1897	793	389	271.5	145.4	156.2
MEAN	12.5	80.8	109	188	76.9	124	63.2	25.6	13.0	8.76	4.69	5.21
MAX	46	232	335	707	206	335	143	42	16	17	7.3	12
MIN	4.0	38	49	47	40	39	30	16	10	5.3	3.5	3.8
WTR YR 1966 TOTAL	21660.3	MEAN 59.3	MAX 707	MIN 3.5								

TABLE 7.--Records of gaging stations in Clallam County--continued

12043430 EAST TWIN RIVER NEAR PYSHT, WA. (Site 103) -- continued

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	952.0	2671	7630	6781	3490	3594	1226	1124	356.0	146.6	100.7	162.3
MEAN	30.7	89.0	246	219	125	116	40.9	36.3	11.9	4.73	3.25	5.41
MAX	144	344	727	703	292	592	79	52	23	6.6	3.9	24
MIN	3.8	19	89	111	44	44	33	20	6.6	3.9	2.3	3.0

WTR YR 1967 TOTAL 28233.6 MEAN 77.4 MAX 727 MIN 2.3

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3153	1930	5024	5183	3563	3239	1538	719	487.0	221.5	192.8	441.9
MEAN	102	64.3	162	167	123	104	51.3	23.2	16.2	7.15	6.22	14.7
MAX	523	238	386	587	339	410	121	41	59	9.5	11	79
MIN	29	28	50	45	38	46	32	14	9.2	4.6	3.8	4.4

WTR YR 1968 TOTAL 25692.2 MEAN 70.2 MAX 587 MIN 3.8

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1821.0	3016	5382	3307	2661	3616	2763	1164	410.2	199.4	128.6	294.8
MEAN	58.7	101	174	107	95.0	117	92.1	37.5	13.7	6.43	4.15	9.83
MAX	170	232	467	569	385	482	250	55	25	8.8	5.2	50
MIN	7.9	42	74	27	27	48	49	25	9.2	4.4	3.3	3.1

WTR YR 1969 TOTAL 24763.0 MEAN 67.8 MAX 569 MIN 3.1

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	427.5	1155.2	3267	3108	2488	1317	2487	774	282.0	151.4	104.4	266.8
MEAN	13.8	38.5	105	100	88.9	42.5	82.9	25.0	9.40	4.88	3.37	8.89
MAX	39	131	331	272	205	89	379	39	13	7.0	4.0	34
MIN	7.8	7.8	22	30	35	24	21	14	6.5	3.5	3.0	3.0

WTR YR 1970 TOTAL 15828.3 MEAN 43.4 MAX 379 MIN 3.0

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	548.0	1962	4754	6320	3139	4882	1769	1138	550	329.1	170.3	179.9
MEAN	17.7	65.4	153	204	112	157	59.0	36.7	18.3	10.6	5.49	6.00
MAX	95	340	658	742	378	628	104	50	25	19	7.3	11
MIN	4.5	12	35	36	61	44	35	26	14	5.6	4.4	4.4

WTR YR 1971 TOTAL 25741.3 MEAN 70.5 MAX 742 MIN 4.4

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	546.0	4078	3827	5813	5989	4916	2454	775	352.0	377.3	162.3	348.5
MEAN	17.6	136	123	188	207	159	81.8	25.0	11.7	12.2	5.24	11.6
MAX	56	463	363	763	578	759	228	42	15	61	6.0	67
MIN	5.6	46	48	49	52	55	45	15	8.8	5.7	4.6	4.4

WTR YR 1972 TOTAL 29638.1 MEAN 81.0 MAX 763 MIN 4.4

TABLE 7.--Records of gaging stations in Clallam County--continued

12044000 LYRE RIVER AT PIEDMONT, WA. (Site 114)

LOCATION--Lat 48°05'35", long 123°47'30", in NE¼ sec. 14, T.30 N., R.9 W., on north shore of Crescent Lake, on dock at Log Cabin Hotel at Piedmont, and half a mile upstream from lake outlet.

DRAINAGE AREA--49.5 mi^2.

PERIOD OF RECORD--Oct 1917 to Sept 1927.

GAGE--Staff gage. Altitude of gage is 580 ft (from topographic map). Oct 15, 1917, to Oct 16, 1922, and Oct 1, 1923, to Dec 16, 1925, water-stage recorder three-quarters of a mile downstream at different datums.

AVERAGE DISCHARGE--10 years (water years 1917-27), 218 ft^3/s, 59.64 in/yr, 157,500 acre-ft/yr.

EXTREMES--9117-27: Maximum discharge observed, 1,180 ft^3/s Jan. 10, 11, 1923; minimum discharge, 18 ft^3/s Sept 19, 1924.

REMARKS--No diversion or regulation above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1917 TO SEPTEMBER 1918
MEAN VALUES

1918	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2035	2142	12028	19896	12803	10838	9478	6717	4293	2520	1897	1263
MEAN	65.6	71.4	388	642	457	350	316	217	143	81.3	61.2	42.1
MAX	72	82	960	1020	687	535	414	255	169	102	77	56
MIN	51	50	86	348	335	258	250	169	104	60	49	32

WTR YR 1918 TOTAL 85910 MEAN 235 MAX 1020 MIN 32

1919	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4152	7535	15511	13466	14502	11391	9396	8575	6865	5314	2791	1606
MEAN	134	251	500	434	518	367	313	277	229	171	90.0	53.5
MAX	201	313	692	654	598	426	349	320	258	207	124	62
MIN	57	189	239	278	426	299	285	252	207	126	64	39

WTR YR 1919 TOTAL 101104 MEAN 277 MAX 692 MIN 39

1920	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1159	3070	5063	7996	7569	5956	4720	3906	4063	1988	1668	2879
MEAN	37.4	102	163	258	261	192	157	126	135	64.1	53.8	96.0
MAX	51	172	292	320	320	220	186	143	155	121	68	126
MIN	28	36	83	207	189	166	130	110	76	21	37	57

WTR YR 1920 TOTAL 50037 MEAN 137 MAX 320 MIN 21

1921	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7200	6130	9638	15041	14265	11689	6838	7030	7863	5614	2921	2301
MEAN	232	204	311	485	509	377	228	227	262	181	94.2	76.7
MAX	258	292	364	580	696	511	268	254	282	248	125	117
MIN	128	172	278	379	364	268	209	197	242	127	76	49

WTR YR 1921 TOTAL 96530 MEAN 264 MAX 696 MIN 49

TABLE 7.--Records of gaging stations in Clallam County--continued

12044000 LYRE RIVER AT PIEDMONT, WA. (Site 114) -- continued

1922	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6235	12248	20926	10177	6670	6133	5082	7118	8174	4255	4313	2493
MEAN	201	408	675	328	238	198	169	230	272	137	139	83.1
MAX	511	593	974	463	289	223	187	289	317	217	211	110
MIN	102	289	479	248	199	175	153	158	217	33	56	51

WTR YR 1922 TOTAL 93824 MEAN 257 MAX 974 MIN 33

1923	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2198	2648	7118	26340	9588	8423	6236	6493	5527	3917	2000	1527
MEAN	70.9	88.3	230	850	342	272	208	209	184	126	64.5	50.9
MAX	113	105	874	1180	426	320	227	227	212	162	79	60
MIN	44	74	70	464	257	198	198	198	157	79	57	39

WTR YR 1923 TOTAL 82015 MEAN 225 MAX 1180 MIN 39

1924	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1979	2309	10230	7538	18393	8872	4903	3946	2762	1727	1092	1613
MEAN	63.8	77.0	330	243	634	286	163	127	92.1	55.7	35.2	53.8
MAX	84	131	485	455	860	455	184	142	106	70	41	146
MIN	49	58	110	198	470	178	142	106	72	44	28	20

WTR YR 1924 TOTAL 65364 MEAN 179 MAX 860 MIN 20

1925	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5498	13077	10014	11297	17031	9799	6252	6279	5011	2776	1475	1078
MEAN	177	436	323	364	608	316	208	203	167	89.5	47.6	35.9
MAX	430	530	419	520	804	429	242	226	210	124	60	42
MIN	114	336	258	258	439	226	182	188	130	61	41	30

WTR YR 1925 TOTAL 89587 MEAN 245 MAX 804 MIN 30

1926	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	888	1692	6277	9013	8976	6687	4626	4374	2595	1718	1192	994
MEAN	28.6	56.4	202	291	321	216	154	141	86.5	55.4	38.5	33.1
MAX	36	73	293	359	376	309	176	171	118	72	44	40
MIN	26	32	89	203	232	176	127	118	72	40	36	26

WTR YR 1926 TOTAL 49032 MEAN 134 MAX 376 MIN 26

1927	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3510	4837	8285	12563	9867	10041	7155	8316	7545	4895	2261	1821
MEAN	113	161	267	405	352	324	239	268	252	158	72.9	60.7
MAX	171	208	363	560	420	400	280	295	264	220	96	70
MIN	39	148	208	295	264	280	183	235	235	96	59	59

WTR YR 1927 TOTAL 81096 MEAN 222 MAX 560 MIN 39

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129)

LOCATION--Lat 48°03'18", long 123°34'55", in NE¼ NW¼ sec. 33, T.30 N., R.7 W., Clallam County, Olympic National Forest, on right bank 300 ft upstream from site of McDonald Bridge (now removed), 0.7 mi upstream from Little River, 8 mi southwest of Port Angeles, and at mile 8.6.

DRAINAGE AREA--269 mi^2

PERIOD OF RECORD--Oct 1897 to Dec 1901, Nov-Dec 1912, Oct 1918 to current year.

GAGE--Water-stage recorder. Datum of gage is 200.00 ft (National Geodetic Vertical Datum of 1929. Oct 1, 1897, to Dec 31, 1901, nonrecording gage at Mcdonal Bridge at different datum. Dec 9, 1918, to May 1, 1936, water-stage recorder under McDonald bridge at datum 7.4 ft higher.

AVERAGE DISCHARGE--65 years (water years 1890-1901, 1919-1979) 1,481 ft^3/s, 74.75 in/yr, 1,072,000 acre-ft/yr adjusted for storage since April 1927.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 41,600 ft^3/s Nov 18, 1897, gage height, 14.5 ft, from graph based on gage readings, site and datum then in use, from rating curve extended above 3,300 ft^3/s on basis of two determination of flow over dam at discharge 26,700 ft^3/s and 30,100 ft^3/s, referred to 1897 datum; minimum daily, 10 ft^3/s Oct 3, 1938.

REMARKS--Water-discharge records excellent. Water is diverted through Glines Canyon powerhouse and returned to river above gage. Flow partly regulated by Lake Mills 4.9 mi upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1897 TO SEPTEMBER 1898
MEAN VALUES

1898	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19694	71930	91800	49327	60447	38732	36846	62240	66990	54420	37224	20844
MEAN	635	2398	2961	1591	2159	1249	1228	2008	2233	1755	1201	695
MAX	1690	24400	11800	3580	3260	1860	2150	2600	3280	2380	1600	2110
MIN	300	562	1150	855	967	687	687	1240	1640	1290	631	470

WTR YR 1898 TOTAL 610494 MEAN 1673 MAX 24400 MIN 300

1899	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	27578	31973	37784	45545	38395	21191	22894	38754	63740	63190	30987	17085
MEAN	890	1066	1219	1469	1371	684	763	1250	2125	2038	1000	570
MAX	2920	1680	3310	3320	3320	1210	1920	2020	2820	2470	1630	805
MIN	330	687	520	660	770	510	520	575	1630	1630	575	510

WTR YR 1899 TOTAL 439116 MEAN 1203 MAX 3320 MIN 330

1900	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23029	140012	90140	78070	25767	98065	52314	59480	83710	38902	29181	20148
MEAN	743	4667	2908	2518	920	3163	1744	1919	2790	1255	941	672
MAX	1680	17700	12400	6950	1570	22400	6950	2950	8740	1890	1310	1140
MIN	475	595	1000	1030	690	710	930	1100	1260	810	650	562

WTR YR 1900 TOTAL 738818 MEAN 2024 MAX 22400 MIN 475

1901	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	41137	49482	136750	56370	46446	44870	28703	67680	64780	50890	36349	21338
MEAN	1327	1649	4411	1818	1659	1447	957	2183	2159	1642	1173	711
MAX	5320	4910	17300	10300	8960	5600	1300	6720	4710	2100	1420	929
MIN	495	930	1570	985	645	685	625	1070	1230	1340	873	605

WTR YR 1901 TOTAL 644795 MEAN 1767 MAX 17300 MIN 495

1902	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	20570	96227	64850									
MEAN	664	3208	2092									
MAX	1900	20200	6040									
MIN	468	795	1070									

1912	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL		---	44611									
MEAN		---	1439									
MAX		---	3200									
MIN		---	288									

1919	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	40300	48000	76504	64329	51500	30681	52390	65170	69380	71370	40338	19708
MEAN	1300	1600	2468	2075	1839	990	1746	2102	2313	2302	1301	657
MAX	1300	1600	6660	6070	5430	1480	2880	3550	2820	2820	1600	871
MIN	1300	1600	800	548	1040	784	1050	1470	1990	1800	935	440

WTR YR 1919 TOTAL 629670 MEAN 1725 MAX 6660 MIN 440

TABLE 7.--Records of gaging stations in Clallam County--continued

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129) -- continued

1925	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	64128	78200	62580	45520	65900	31079	47075	80470	65250	47910	23267	13629
MEAN	2069	2607	2019	1468	2354	1003	1569	2596	2175	1545	751	454
MAX	5520	6810	4480	3120	6070	1670	3350	4220	2980	2100	1040	579
MIN	696	1420	1080	763	1090	731	715	1410	1670	1020	510	350

WTR YR 1925 TOTAL 625008 MEAN 1712 MAX 6810 MIN 350

1926	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	9714	12261	57563	44740	46926	32821	35098	35286	27653	18446	13749	9910
MEAN	313	409	1857	1443	1676	1059	1170	1138	922	595	444	330
MAX	517	715	4700	4160	3200	1500	1660	1660	1300	826	632	552
MIN	265	254	715	917	926	850	834	890	746	430	360	258

WTR YR 1926 TOTAL 344167 MEAN 943 MAX 4700 MIN 254

1927	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	36059	40286	59402	56177	40978	35425	21809	51330	89140	58880	28878	24844
MEAN	1163	1343	1916	1812	1464	1143	727	1656	2971	1899	932	828
MAX	4620	3350	5890	4990	2840	1720	1320	2420	4990	2700	1490	2040
MIN	355	559	926	989	762	890	203	750	1670	1340	648	566

WTR YR 1927 TOTAL 543208 MEAN 1488 MAX 5890 MIN 203

1928	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	40288	63460	40227	85112	33163	46522	40898	72160	49990	32454	19207	13026
MEAN	1300	2115	1298	2746	1144	1501	1363	2328	1666	1047	620	434
MAX	3930	4650	3250	7100	1720	3940	1890	3350	2060	1470	751	660
MIN	548	1040	373	762	484	426	938	1380	1250	673	522	38

WTR YR 1928 TOTAL 536507 MEAN 1466 MAX 7100 MIN 38

1929	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	25717	32402	31028	25199	13325	15833	26999	55580	64150	43072	23336	12727
MEAN	830	1080	1001	813	476	511	900	1793	2138	1389	753	424
MAX	4010	3320	2270	1340	600	1260	1340	3040	2860	2180	1000	566
MIN	36	478	272	600	322	204	653	1070	1550	918	560	33

WTR YR 1929 TOTAL 369368 MEAN 1012 MAX 4010 MIN 33

1920	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11818	34148	44611	52488	35777	26786	20670	29807	46114	37957	22306	39916
MEAN	381	1138	1439	1693	1234	864	689	962	1537	1224	720	1331
MAX	558	2400	3200	5660	2340	2540	922	1910	2230	1880	939	2920
MIN	321	319	288	621	672	632	623	751	809	777	591	548

WTR YR 1920 TOTAL 402398 MEAN 1099 MAX 5660 MIN 288

1921	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	85980	56355	57680	67060	65070	46072	33553	62280	110070	70960	40259	33334
MEAN	2774	1879	1861	2163	2324	1486	1118	2009	3669	2289	1299	1111
MAX	6550	4000	3590	4300	7580	2550	1500	3290	5480	3290	1790	3450
MIN	1450	843	1080	1300	1020	992	829	952	2690	1760	829	646

WTR YR 1921 TOTAL 728673 MEAN 1996 MAX 7580 MIN 646

1922	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	84049	78060	109910	28501	21429	17322	20723	62074	89800	43314	22493	17834
MEAN	2711	2602	3545	919	765	559	691	2002	2993	1397	726	594
MAX	10500	6680	13300	1340	1080	708	968	4180	4770	2280	984	864
MIN	802	1040	1210	744	702	458	499	952	2100	952	600	486

WTR YR 1922 TOTAL 595509 MEAN 1632 MAX 13300 MIN 458

1923	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	21551	17879	51790	87304	30910	27407	36420	64060	68340	50010	23303	15148
MEAN	695	596	1671	2816	1104	884	1214	2066	2278	1613	752	505
MAX	3280	1010	7330	6200	2340	1500	1660	3140	3520	2760	898	933
MIN	401	478	374	900	652	690	1000	1040	1660	970	622	390

WTR YR 1923 TOTAL 494122 MEAN 1354 MAX 7330 MIN 374

1924	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15326	20179	71634	51469	110950	30739	22530	54902	40714	26045	17411	22176
MEAN	494	673	2311	1660	3826	992	751	1771	1357	840	562	739
MAX	1120	2460	6710	12000	10200	1960	1300	2810	2270	1370	668	3680
MIN	344	376	680	786	1640	654	568	752	986	627	380	310

WTR YR 1924 TOTAL 484075 MEAN 1323 MAX 12000 MIN 310

TABLE 7.--Records of gaging stations in Clallam County--continued

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129) -- continued

1930	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15036	9831	19893	18880	61504	36882	61350	38295	44660	30861	17047	12687
MEAN	485	328	642	609	2197	1190	2045	1235	1489	996	550	423
MAX	644	488	2690	1000	4980	2490	3680	1720	2480	1660	804	622
MIN	286	155	31	341	582	643	1380	771	1050	378	30	29

WTR YR 1930 TOTAL 366926 MEAN 1005 MAX 4980 MIN 29

1931	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19770	21498	24176	59367	43599	48170	43889	59690	58460	35937	15738	15960
MEAN	638	717	780	1915	1557	1554	1463	1925	1949	1159	508	532
MAX	1380	1220	1670	7080	4200	3380	3470	2790	3920	1970	1100	896
MIN	194	441	46	218	368	770	544	1420	1300	396	92	87

WTR YR 1931 TOTAL 446254 MEAN 1223 MAX 7080 MIN 46

1932	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	18847	47515	45619	41721	54912	61260	52950	63360	85080	52978	25672	14838
MEAN	608	1584	1472	1346	1894	1976	1765	2044	2836	1709	828	495
MAX	1690	5530	4950	3810	12100	3580	2220	2780	4970	2700	1600	1090
MIN	116	92	68	330	90	1390	1440	1230	1560	668	116	11

WTR YR 1932 TOTAL 564752 MEAN 1543 MAX 12100 MIN 11

1933	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	21872	73990	59923	52754	21551	33997	31485	53373	89960	87460	47280	31443
MEAN	706	2466	1933	1702	770	1097	1050	1722	2999	2821	1525	1048
MAX	2170	5820	5640	4840	1770	1580	1680	2780	4330	3620	1990	2860
MIN	27	870	768	318	126	510	54	683	2090	1960	90	111

WTR YR 1933 TOTAL 605088 MEAN 1658 MAX 5820 MIN 27

1934	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	44156	52130	146099	106790	53850	69242	61960	58850	40857	28427	19675	15104
MEAN	1424	1738	4713	3445	1923	2234	2065	1898	1362	917	635	503
MAX	3730	7360	16000	5800	3870	5030	2960	3860	1940	1860	904	880
MIN	377	664	522	2200	922	653	1590	1330	802	245	203	75

WTR YR 1934 TOTAL 697140 MEAN 1910 MAX 16000 MIN 75

1935	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	31152	93150	46104	108898	78190	51790	30835	49910	67480	48840	26740	24870
MEAN	1005	3105	1487	3513	2793	1671	1028	1610	2249	1575	863	829
MAX	4130	16000	4160	14200	5290	3300	1470	2410	3310	2390	1280	2220
MIN	216	1020	436	804	1660	1010	226	1140	1640	1080	431	180

WTR YR 1935 TOTAL 657959 MEAN 1803 MAX 16000 MIN 180

1936	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	18710	16948	28560	49339	18412	39363	43046	83150	74080	39651	21302	18509
MEAN	604	565	921	1592	635	1270	1435	2682	2469	1279	687	617
MAX	1020	650	2100	3620	1800	1810	2960	4100	4240	2030	1020	1050
MIN	364	300	36	570	167	612	411	1960	1550	748	296	61

WTR YR 1936 TOTAL 451070 MEAN 1232 MAX 4240 MIN 36

1937	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	12394	6577	35366	19771	15075	32367	39173	64392	94650	54462	23953	16088
MEAN	400	219	1141	638	538	1044	1306	2077	3155	1757	773	536
MAX	667	390	5480	846	674	1490	3520	3250	3860	2660	1090	955
MIN	44	40	154	346	244	501	600	782	2460	962	434	101

WTR YR 1937 TOTAL 414268 MEAN 1135 MAX 5480 MIN 40

1938	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	24865	74434	89960	55787	24395	38588	46373	68780	76000	43184	22606	13062
MEAN	802	2481	2902	1800	871	1245	1546	2219	2533	1393	729	435
MAX	4740	6650	11700	4080	1260	1580	4090	3540	3490	1990	1130	1100
MIN	242	900	1120	571	176	460	211	1100	1960	83	42	14

WTR YR 1938 TOTAL 578034 MEAN 1584 MAX 11700 MIN 14

1939	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	19366	28341	50794	74130	30848	29254	41870	58290	43790	39130	21551	14184
MEAN	625	945	1639	2391	1102	944	1396	1880	1460	1262	695	473
MAX	2170	1440	4270	11600	1510	2110	1730	4150	1670	1520	1100	762
MIN	10	331	86	1260	916	133	1080	1300	1190	1050	338	54

WTR YR 1939 TOTAL 451548 MEAN 1237 MAX 11600 MIN 10

TABLE 7.--Records of gaging stations in Clallam County--continued

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129) -- continued

1940	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15825	30883	112200	70120	58840	64920	41130	61020	38553	20923	16713	10840
MEAN	510	1029	3619	2262	2029	2094	1371	1968	1285	675	539	361
MAX	759	1540	8900	6750	3460	3610	1670	4090	1600	1000	704	580
MIN	194	272	1880	960	1230	1260	1200	1420	917	82	177	22

WTR YR 1940 TOTAL 541967 MEAN 1481 MAX 8900 MIN 22

1941	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	41135	32918	62267	54828	46246	32763	29413	47138	38537	24075	14969	17416
MEAN	1327	1097	2009	1769	1652	1057	980	1521	1285	777	483	581
MAX	4910	1660	3910	5660	4230	1560	1220	3330	1690	1130	612	1220
MIN	228	658	919	860	986	809	746	968	978	76	378	156

WTR YR 1941 TOTAL 441705 MEAN 1210 MAX 5660 MIN 76

1942	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	32860	41406	87790	30190	27460	20333	24950	33819	47350	32838	16280	11284
MEAN	1060	1380	2832	974	981	656	832	1091	1578	1059	525	376
MAX	2760	4160	11100	1150	1420	798	1080	1960	2340	1560	699	776
MIN	445	443	1150	602	559	422	532	499	1320	783	163	12

WTR YR 1942 TOTAL 406560 MEAN 1114 MAX 11100 MIN 12

1943	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	9946	32289	44409	33070	35705	30676	66290	47435	54820	47498	21583	14701
MEAN	321	1076	1433	1067	1275	990	2210	1530	1827	1532	696	490
MAX	644	3560	2160	1750	1870	3210	4930	2740	2600	2290	980	755
MIN	115	355	828	480	670	254	1300	873	1350	972	320	34

WTR YR 1943 TOTAL 438422 MEAN 1201 MAX 4930 MIN 34

1944	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16553	18996	37026	48016	25610	21869	22305	35847	41095	21584	13444	12184
MEAN	534	633	1194	1549	883	705	744	1156	1370	696	434	406
MAX	1880	1100	6340	5320	1480	1110	1030	1670	1700	1280	724	566
MIN	192	413	470	386	427	443	396	712	902	95	250	44

WTR YR 1944 TOTAL 314529 MEAN 859 MAX 6340 MIN 44

1945	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14789	43555	39417	58775	52575	35606	27121	70200	55220	34146	19836	15710
MEAN	477	1452	1272	1896	1878	1149	904	2265	1841	1101	640	524
MAX	1140	3930	4210	5780	8020	3070	1100	3310	2940	1520	816	823
MIN	263	600	282	569	772	602	640	1390	1170	443	334	224

WTR YR 1945 TOTAL 466950 MEAN 1279 MAX 8020 MIN 224

1946	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	20426	42861	56580	52060	30238	35291	44120	91440	80070	65120	33117	17114
MEAN	659	1429	1825	1679	1080	1138	1471	2950	2669	2101	1068	570
MAX	2780	3070	4490	2930	2620	1980	2480	3790	3880	2820	1650	926
MIN	340	592	614	1040	471	734	680	1540	1810	1570	750	217

WTR YR 1946 TOTAL 568437 MEAN 1557 MAX 4490 MIN 217

1947	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16828	23546	69863	41868	85890	35467	35934	57530	47454	33016	16863	10338
MEAN	543	785	2254	1351	3068	1144	1198	1856	1582	1065	544	345
MAX	1070	2780	5480	4480	11200	1590	2010	2520	2980	1530	818	563
MIN	168	242	904	658	1210	866	689	1160	934	625	298	98

WTR YR 1947 TOTAL 474589 MEAN 1300 MAX 11200 MIN 98

1948	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	47327	43549	63555	54510	35633	27876	27104	79259	105350	49168	30010	23045
MEAN	1527	1452	2050	1758	1229	899	903	2557	3512	1586	968	768
MAX	6960	2770	5680	4430	2860	1650	1580	5990	5830	2490	1430	1120
MIN	361	643	592	1110	674	538	494	999	2400	752	517	168

WTR YR 1948 TOTAL 586386 MEAN 1602 MAX 6960 MIN 168

1949	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	31063	44216	40234	21445	34587	45780	46906	98070	76870	53140	32628	22820
MEAN	1002	1474	1298	692	1235	1477	1564	3164	2562	1714	1053	761
MAX	2040	4030	3360	1030	4770	2460	2580	4920	3790	2460	1630	1350
MIN	609	666	410	440	270	1130	710	1670	1510	1210	654	171

WTR YR 1949 TOTAL 547759 MEAN 1501 MAX 4920 MIN 171

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129)

1950	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22867	79811	80353	48324	50948	57410	44222	62627	122890	90420	43560	19802
MEAN	738	2660	2592	1559	1820	1852	1474	2020	4096	2917	1405	660
MAX	1170	14200	7100	4360	6800	4700	2980	3380	5500	4300	2000	1150
MIN	468	526	785	796	815	1020	766	767	2920	1810	1030	382

WTR YR 1950 TOTAL 723234 MEAN 1981 MAX 14200 MIN 382

1951	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	42757	68283	112140	61270	86970	33298	48517	68460	69140	46005	22319	14651
MEAN	1379	2276	3617	1976	3106	1074	1617	2208	2305	1484	720	488
MAX	4740	7710	7750	4410	11800	1340	2300	3460	3160	2360	1060	1210
MIN	356	963	1780	1320	1270	820	997	1300	1770	859	317	266

WTR YR 1951 TOTAL 673810 MEAN 1846 MAX 11800 MIN 266

1952	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	38612	38210	38602	22121	38266	23656	38437	69380	63310	52740	27712	16807
MEAN	1246	1274	1245	714	1320	763	1281	2238	2110	1701	894	560
MAX	3710	3040	3860	2480	2510	1080	3040	3530	3600	2340	1230	856
MIN	550	710	401	459	784	560	705	1220	1560	1240	490	266

WTR YR 1952 TOTAL 467853 MEAN 1278 MAX 3860 MIN 266

1953	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11984	12511	30627	125010	62030	29448	29723	68200	62400	68280	35111	23196
MEAN	387	417	988	4033	2215	950	991	2200	2080	2203	1133	773
MAX	500	683	2740	9150	5730	1260	2250	3710	2590	3330	1490	3640
MIN	286	248	290	1230	986	771	611	1230	1710	1440	757	454

WTR YR 1953 TOTAL 558520 MEAN 1530 MAX 9150 MIN 248

1954	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	36183	75070	94080	65302	89900	47040	38762	68800	72540	83730	47860	29413
MEAN	1167	2502	3035	2107	3211	1517	1292	2219	2418	2701	1544	980
MAX	4210	4540	6310	6080	6640	3470	1660	4000	3340	4040	2240	1380
MIN	702	1220	1630	992	1120	801	801	1000	1910	1820	1080	545

WTR YR 1954 TOTAL 748680 MEAN 2051 MAX 6640 MIN 545

1955	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	40508	106801	63910	34833	35264	20285	36553	45025	93780	65420	35417	20880
MEAN	1307	3560	2062	1124	1259	654	1218	1452	3126	2110	1142	696
MAX	2680	10700	3220	2100	4760	842	2420	3260	5660	3010	1820	970
MIN	580	871	1510	842	722	538	715	715	1780	1610	799	500

WTR YR 1955 TOTAL 598676 MEAN 1640 MAX 10700 MIN 500

1956	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	38859	97190	60130	47778	21625	31149	51940	103310	112610	86870	39940	25918
MEAN	1254	3240	1940	1541	746	1005	1731	3333	3754	2802	1288	864
MAX	6360	19100	3700	2600	1070	2140	3510	5650	6540	4000	1600	1800
MIN	401	1230	1370	968	680	548	1170	1960	2650	1640	982	360

WTR YR 1956 TOTAL 717319 MEAN 1960 MAX 19100 MIN 360

1957	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	56845	47234	80357	29102	55558	51481	40020	72200	52540	33389	20288	15244
MEAN	1834	1574	2592	939	1984	1661	1334	2329	1751	1077	654	508
MAX	7860	2920	10800	1460	10000	3380	1700	3450	2710	1560	938	815
MIN	656	974	800	565	505	491	1020	1760	1110	807	441	301

WTR YR 1957 TOTAL 554258 MEAN 1519 MAX 10800 MIN 301

1958	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16308	23067	44260	79350	71380	39194	33741	74794	64790	32867	17766	15191
MEAN	526	769	1428	2560	2549	1264	1125	2413	2160	1060	573	506
MAX	1530	1170	4180	6780	6660	2400	1880	4250	3050	1530	753	880
MIN	280	491	637	1280	1250	910	788	964	1140	683	495	310

WTR YR 1958 TOTAL 512708 MEAN 1405 MAX 6780 MIN 280

1959	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	27922	66275	91100	81790	30613	32866	58280	72040	71150	48535	21798	24188
MEAN	901	2209	2939	2638	1093	1060	1943	2324	2372	1566	703	806
MAX	2640	7050	8810	5150	1600	1370	10100	4950	3570	1960	1070	1660
MIN	306	711	1270	1660	614	783	1090	1680	1660	925	483	426

WTR YR 1959 TOTAL 626557 MEAN 1717 MAX 10100 MIN 306

TABLE 7.--Records of gaging stations in Clallam County--continued

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129)

1960	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	29854	64073	65460	47439	64582	37495	52370	60420	73070	46079	23543	13956
MEAN	963	2136	2112	1530	2227	1210	1746	1949	2436	1486	759	465
MAX	2230	10400	9410	11300	5900	2070	2630	3230	4090	2120	1180	683
MIN	454	513	1010	581	917	781	1230	1420	1620	949	477	304

WTR YR 1960 TOTAL 578341 MEAN 1580 MAX 11300 MIN 304

1961	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	26023	49751	55808	114160	92570	58180	41720	60588	84980	49114	24897	15918
MEAN	839	1658	1800	3683	3306	1877	1391	1954	2833	1584	803	531
MAX	2100	4270	5610	18600	8920	3630	2160	2790	4090	2260	1040	1230
MIN	304	742	789	1070	1940	1260	1020	928	1850	992	523	346

WTR YR 1961 TOTAL 673709 MEAN 1846 MAX 18600 MIN 304

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22428	35008	49549	61656	31813	20421	36623	41010	57360	41551	24675	15719
MEAN	723	1167	1598	1989	1136	659	1221	1323	1912	1340	796	524
MAX	1300	4300	2940	7080	1710	912	1540	1620	2340	1890	1190	1280
MIN	346	588	692	882	686	568	692	1020	1540	661	510	255

WTR YR 1962 TOTAL 437813 MEAN 1199 MAX 080 MIN 255

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	37997	75835	89750	50172	82790	32385	32269	45336	45650	31480	19319	14523
MEAN	1226	2528	2895	1618	2957	1045	1076	1462	1522	1015	623	484
MAX	4680	9720	9700	4610	10300	1780	1260	2780	1860	1560	780	804
MIN	646	761	1480	652	779	658	789	900	1010	548	495	370

WTR YR 1963 TOTAL 557506 MEAN 1527 MAX 10300 MIN 370

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	39303	71130	62510	70580	37143	31206	31383	44288	92100	69500	34189	20217
MEAN	1268	2371	2016	2277	1281	1007	1046	1429	3070	2242	1103	674
MAX	5110	6410	5200	6100	2460	1240	1260	3640	4400	3280	1500	2630
MIN	345	1400	1020	1470	863	779	700	767	1840	1490	730	394

WTR YR 1964 TOTAL 603549 MEAN 1649 MAX 6410 MIN 345

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22157	30389	39214	43175	57560	33950	38200	53420	59520	36211	21165	12157
MEAN	715	1013	1265	1393	2056	1095	1273	1723	1984	1168	683	405
MAX	1700	7120	4630	4700	5570	1370	3420	2450	2610	1710	1010	561
MIN	401	242	359	570	1290	795	660	1130	1300	758	450	282

WTR YR 1965 TOTAL 447118 MEAN 1225 MAX 7120 MIN 242

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	23637	46633	51320	53830	27556	34611	53160	70080	69710	55850	31110	16874
MEAN	762	1554	1655	1736	984	1116	1772	2261	2324	1802	1004	562
MAX	3460	2970	3800	5400	1490	2910	2460	4190	3680	2280	1550	853
MIN	306	783	360	760	700	664	1130	1280	1540	1420	578	315

WTR YR 1966 TOTAL 534371 MEAN 1464 MAX 5400 MIN 306

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	25540	40794	129390	75820	44925	41687	24578	60252	103180	60530	30926	17919
MEAN	824	1360	4174	2446	1604	1345	819	1944	3439	1953	998	597
MAX	3370	4400	14000	5500	3140	5320	1190	3870	4440	3190	1320	980
MIN	196	556	1660	1590	905	814	556	592	2220	1270	527	428

WTR YR 1967 TOTAL 655541 MEAN 1796 MAX 14000 MIN 196

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	86800	58116	75280	117380	82450	59920	32477	47780	63190	46608	25434	24230
MEAN	2800	1937	2428	3786	2843	1933	1083	1541	2106	1503	820	808
MAX	9170	4190	7000	11200	5580	3720	1450	2470	4000	2190	1090	2050
MIN	1170	916	1030	1300	1360	1170	821	1130	1560	958	408	271

WTR YR 1968 TOTAL 719665 MEAN 1966 MAX 11200 MIN 271

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	34999	52712	64280	48625	28209	35092	47320	95604	104910	43114	23838	27886
MEAN	1129	1757	2074	1569	1007	1132	1577	3084	3497	1391	769	930
MAX	3360	3520	4560	5190	1570	2990	2500	5140	5440	1970	1020	2830
MIN	438	952	1160	644	682	623	1160	974	1590	874	572	259

WTR YR 1969 TOTAL 606589 MEAN 1662 MAX 5440 MIN 259

TABLE 7.--Records of gaging stations in Clallam County--continued

12045500 ELWHA RIVER AT MCDONALD BRIDGE, NEAR PORT ANGELES, WA (Site 129)

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	26917	33181	46808	51125	44230	36084	40256	41941	63430	35922	18373	16959
MEAN	868	1106	1510	1649	1580	1164	1342	1353	2114	1159	593	565
MAX	1550	1940	3770	4590	2680	2070	4830	2580	3600	1610	760	989
MIN	534	544	578	503	1100	736	483	661	1200	752	384	301

WTR YR 1970 TOTAL 455226 MEAN 1247 MAX 4830 MIN 301

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14900	37147	46578	62083	64230	47244	41931	87350	84550	89150	50910	23460
MEAN	481	1238	1503	2003	2294	1524	1398	2818	2818	2876	1642	782
MAX	1220	4610	4190	5490	4800	4330	2150	3880	4050	4250	3320	1260
MIN	270	370	610	622	1280	928	731	1760	2070	1820	1030	502

WTR YR 1971 TOTAL 649533 MEAN 1780 MAX 5490 MIN 270

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	20365	48329	35987	42518	54921	102510	52600	80620	90660	76580	37271	23628
MEAN	657	1611	1161	1372	1894	3307	1753	2601	3022	2470	1202	788
MAX	899	4240	2700	5570	6250	6420	4570	5330	4120	4540	1720	2350
MIN	466	906	808	616	857	1460	1150	1290	2320	1540	801	532

WTR YR 1972 TOTAL 665989 MEAN 1820 MAX 6420 MIN 466

1973	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16677	27898	73408	63990	26817	31883	20836	51768	52700	36616	20481	13869
MEAN	538	930	2368	2064	958	1028	695	1670	1757	1181	661	462
MAX	759	1780	10300	6030	2090	1890	943	4640	2250	1470	991	888
MIN	396	421	385	1060	682	700	459	873	1410	842	448	345

WTR YR 1973 TOTAL 436943 MEAN 1197 MAX 10300 MIN 345

1974	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	22162	44702	84230	115222	43690	65792	46100	60930	112560	85540	49370	24805
MEAN	715	1490	2717	3717	1560	2122	1537	1965	3752	2759	1593	827
MAX	2090	5310	8040	18100	2990	6250	2190	3890	5400	3890	2600	1230
MIN	330	537	1390	836	1000	772	1200	1270	2220	2100	1210	523

WTR YR 1974 TOTAL 755103 MEAN 2069 MAX 18100 MIN 330

1975	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14498	32501	59950	55460	31831	36814	23451	53502	79220	62560	34447	21214
MEAN	468	1083	1934	1789	1137	1188	782	1726	2641	2018	1111	707
MAX	640	3620	8240	4340	2110	3010	968	3340	4030	3440	2960	1150
MIN	403	352	1030	1010	906	703	640	689	1560	1230	860	479

WTR YR 1975 TOTAL 505448 MEAN 1385 MAX 8240 MIN 352

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	68481	107190	124420	81950	42940	30126	33358	72000	68030	73080	39768	21618
MEAN	2209	3573	4014	2644	1481	972	1112	2323	2268	2357	1283	721
MAX	9670	10600	14200	6750	2050	1260	1900	3880	3550	3690	1640	1010
MIN	451	1910	1330	1600	1200	728	860	1700	1570	1700	920	602

WTR YR 1976 TOTAL 762961 MEAN 2085 MAX 14200 MIN 451

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	15614	17210	21107	24205	24998	28793	35496	40330	47660	24154	21074	17867
MEAN	504	574	681	781	893	929	1183	1301	1589	779	680	596
MAX	698	884	2980	3870	1700	2130	2180	2250	2880	1150	1250	1090
MIN	365	385	393	438	450	608	614	914	1150	650	545	420

WTR YR 1977 TOTAL 318508 MEAN 873 MAX 3870 MIN 365

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	21915	82390	98922	49458	37152	37826	31998	42518	61220	41390	23022	31036
MEAN	707	2746	3191	1595	1327	1220	1067	1372	2041	1335	743	1035
MAX	2420	7260	8160	3080	2480	3300	1560	1960	3150	1860	1380	2530
MIN	342	1180	992	968	848	776	710	928	1340	890	525	644

WTR YR 1978 TOTAL 558847 MEAN 1531 MAX 8160 MIN 342

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	16250	26330	23669	13156	34491	56402	26294	57120	48080	33992	16794	20458
MEAN	524	878	764	424	1232	1819	876	1843	1603	1097	542	682
MAX	770	2900	1260	515	4040	5340	1370	2610	2320	1700	770	1860
MIN	410	385	465	346	365	944	662	1290	1140	710	450	435

WTR YR 1979 TOTAL 373036 MEAN 1022 MAX 5340 MIN 346

TABLE 7.--Records of gaging stations in Clallam County--continued

12046500 ELWHA RIVER BELOW DIVERSION, NEAR PORT ANGELES, WA (Site 139)

LOCATION--Lat 48°06'55", long 123°33'10", in NE¼ sec. 10, T.30 N., R.7 W., on right bank at upstream side of railroad bridge 2 1/2 miles upstream from mouh and 3 1/2 miles west of Port Angeles.

DRAINAGE AREA--318 mi^2.

PERIOD OF RECORD--July 1951 to Sept 1954.

GAGE--Water-stage recorder. Altitude of gage is 60 ft (from topographic map).

EXTREMES--1951-54: Maximum discharge recorded, 12,600 ft^3/s Jan 9, 1953 (gage height, 5.88 ft); minimum recorded, 62 ft^3/s Nov 28, 1952 (gage height, 0.29 ft).

REMARKS--Flow affected by Lake Mills and Lake Aldwell. Flow diverted through Gline Canyon powerhouse and returned to river above gage. Port Angeles industrial canal diverts water above gage.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1950 TO SEPTEMBER 1951
MEAN VALUES

1951	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL										---	19901	12947
MEAN										---	642	432
MAX										---	955	1020
MIN										---	445	335

1952	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	34841	39881	---	---	---		---	---	---		---	---
MEAN	1124	1329	---	---	---		---	---	---		---	---
MAX	3460	3200	---	---	---		---	---	---		---	---
MIN	487	630	---	---	---		---	---	---		---	---

1953	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8941	9458	28473	140440	67640	30126	29486	67140	61190	65880	31217	20126
MEAN	288	315	918	4530	2416	972	983	2166	2040	2125	1007	671
MAX	437	599	2800	10100	6840	1260	2250	4040	2700	3390	1360	3700
MIN	203	120	150	1290	1030	804	545	1240	1580	1360	610	357

WTR YR 1953 TOTAL 560117 MEAN 1535 MAX 10100 MIN 120

1954	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	33521	74540	96650	73100	103290	50950	39640	69040	72860	84800	46480	25483
MEAN	1081	2485	3118	2358	3689	1644	1321	2227	2429	2735	1499	849
MAX	4200	4660	6740	7190	7720	3570	1790	4110	3410	4230	2250	1290
MIN	632	1230	1450	1020	1150	840	864	939	1920	1860	965	243

WTR YR 1954 TOTAL 770354 MEAN 2111 MAX 7720 MIN 243

12047300 MORSE CREEK NEAR PORT ANGELES, WA (Site 158)

LOCATION--Lat 48°02'16", long 123°20'57", in SW¼ NE¼ sec. 5, T.29 N., R.5 W., Clallam County, on right bank at steel foot bridge, 1,000 ft downstream from Port Angeles diversion dam, 6.4 mi upstream from mouth and 6.8 mi southeast of ferry terminal in Port Angeles.

DRAINAGE AREA--46.6 mi^2.

PERIOD OF RECORD--Jul 1966 to Sept 1976.

GAGE--Water-stage recorder. Altitude of gage is 630 ft (from topographic map).

AVERAGE DISCHARGE--10 years (water years 1967-76), 134 ft^3/s, 97,080 acre-ft/yr, adjusted for diversion.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 3,160 ft^3/s Dec 4, 1975, gage height, 7.19 ft from rating curve extended above 1,300 ft^3/s; minimum, 5.0 ft^3/s Oct 8, 13, 1966; minimum gage height, 1.18 ft Oct 17, 1971.

REMARKS--Records good. Some regulation by city of Port Angeles diversion dam 1,000 ft upstream.
Monthly and annual mean diversion, in ft^3/s, for water year 1976 furnished by the city of Port Angeles are as follows:

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	YEAR
6.1	5.7	5.3	5.8	6.5	6.5	7.7	7.8	10.3	12.1	10.3	8.9	7.8

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966
MEAN VALUES

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL										---	1548	935
MEAN										---	49.9	31.2
MAX										---	75	47
MIN										---	33	23

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1664	2949	9687	7409	3772	3839	2427	6234	8171	3487	1480	839
MEAN	53.7	98.3	312	239	135	124	80.9	201	272	112	47.7	28.0
MAX	162	338	1240	960	232	559	98	385	331	172	69	48
MIN	16	38	102	126	81	65	67	84	185	71	28	19

WTR YR 1967 TOTAL 51958 MEAN 142 MAX 1240 MIN 16

TABLE 7.--Records of gaging stations in Clallam County--continued

12047300 MORSE CREEK NEAR PORT ANGELES, WA (Site 158) --continued

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4308	3342	6630	10379	7791	4943	2355	3569	3965	2225	1277	1115
MEAN	139	111	214	335	269	159	78.5	115	132	71.8	41.2	37.2
MAX	394	202	650	1010	602	301	110	216	238	110	58	64
MIN	61	73	73	111	140	110	60	79	95	40	28	28

WTR YR 1968 TOTAL 51899 MEAN 142 MAX 1010 MIN 28

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1624	3516	6247	4248	2631	4011	4148	7840	6754	2558	1282	1191
MEAN	52.4	117	202	137	94.0	129	138	253	225	82.5	41.4	39.7
MAX	166	326	502	462	300	403	250	403	351	128	51	83
MIN	27	50	91	66	56	62	111	100	122	49	32	23

WTR YR 1969 TOTAL 46050 MEAN 126 MAX 502 MIN 23

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1132	2764	4000	4319	3657	2855	3233	3892	4531	1949	1004	840
MEAN	36.5	92.1	129	139	131	92.1	108	126	151	62.9	32.4	28.0
MAX	56	300	468	405	273	196	508	206	295	88	45	42
MIN	27	28	36	62	87	61	56	72	90	45	24	16

WTR YR 1970 TOTAL 34176 MEAN 93.6 MAX 508 MIN 16

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	630.8	1855	3836	5943	5580	4668	3567	6232	5877	4928	2292	1227
MEAN	20.3	61.8	124	192	199	151	119	201	196	159	73.9	40.9
MAX	70	284	511	500	460	460	186	310	284	205	139	66
MIN	7.9	23	42	64	115	85	80	125	149	138	48	31

WTR YR 1971 TOTAL 46635.8 MEAN 128 MAX 511 MIN 7.9

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1126	4081	3254	4921	5954	10432	4080	6481	6884	3820	1640	1252
MEAN	36.3	136	105	159	205	337	136	209	229	123	52.9	41.7
MAX	98	405	362	921	650	1160	331	406	331	169	71	131
MIN	23	54	59	56	72	132	90	95	182	71	35	31

WTR YR 1972 TOTAL 53925 MEAN 147 MAX 1160 MIN 23

1973	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	879	1202	7861	5756	2040	1947	1487	3354	2870	1510	831	603
MEAN	28.4	40.1	254	186	72.9	62.8	49.6	108	95.7	48.7	26.8	20.1
MAX	38	108	1680	638	189	121	60	189	130	71	35	26
MIN	23	26	23	75	51	45	41	52	74	33	22	16

WTR YR 1973 TOTAL 30340 MEAN 83.1 MAX 1680 MIN 16

1974	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	1038	3494	7427	11292	3351	4760	2942	4110	7508	4426	2200	1077
MEAN	33.5	116	240	364	120	154	98.1	133	250	143	71.0	35.9
MAX	92	701	818	1940	265	514	131	221	390	230	120	49
MIN	18	27	114	72	80	65	83	91	139	110	44	25

WTR YR 1974 TOTAL 53625 MEAN 147 MAX 1940 MIN 18

1975	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	787	2122	3210	3354	2768	2506	1531	4223	5372	3063	1818	1242
MEAN	25.4	70.7	104	108	98.9	80.8	51.0	136	179	98.8	58.6	41.4
MAX	34	300	555	300	330	167	60	236	297	159	109	79
MIN	22	21	47	60	55	49	43	61	104	54	34	28

WTR YR 1975 TOTAL 31996 MEAN 87.7 MAX 555 MIN 21

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4817	9384	11456	6987	4519	3079	3173	6414	5098	4188	2153	1126
MEAN	155	313	370	225	156	99.3	106	207	170	135	69.5	37.5
MAX	690	1300	1640	606	262	147	186	360	267	201	89	47
MIN	26	145	118	121	112	82	76	140	117	88	48	30

WTR YR 1976 TOTAL 62394 MEAN 170 MAX 1640 MIN 26

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	---											
MEAN	---											
MAX	---											
MIN	---											

TABLE 7.--Records of gaging stations in Clallam County--continued

12047500 SIEBERT CREEK NEAR PORT ANGELES, WA (Site 162 and 163)

LOCATION--Lat 48°04'58", long 123°16'52", in SW¼ NE¼ sec. 23, T.30 N., R.5 W. on right bank 300 ft downstream from Emery Creek, 3.2 miles upstream from mouth, and 7.4 miles southeast of courthouse in Port Angeles.

DRAINAGE AREA--15.5 mi^2 (Site 1); 16.1 mi^2 (Site 2).

PERIOD OF RECORD--Jun 1952 to Sept 1969 (discontinued).

GAGE--Water-stage recorder. Altitude of gage is 280 ft (from topographic map). Prior to Apr 22, 1960, at site 2, within 0.7 mile downstream at different datum.

AVERAGE DISCHARGE--17 years, 17.1 ft^3/s (14.98 in/yr, 12,390 acre-ft/yr).

EXTREMES--Maximum discharge, 1,620 ft^3/s Nov 3, 1955 (gage height, 9.50 ft, site and datum then in use), from rating curve extended abvoe 260 ft^3/s on basis of computations of peak flow trough culvert at gage heights, 4.25 and 9.12 ft; minimum, 2.0 ft^3/s Sept 3-5, 1952, Aug 19-26, 1958, Aug 25, 26, 1959, Feb. 25, 1962, probably Dec. 16, 1964, Aug. 1, 2, 1965.

REMARKS--Records excellent except those for January and February which are good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1951 TO SEPTEMBER 1952
MEAN VALUES

1952	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL									160.7	109.3	79.6	67.7
MEAN									5.36	3.53	2.57	2.26
MAX									7.0	5.2	3.0	2.6
MIN									4.5	2.8	2.2	2.0

1953	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	69.1	75.6	208.4	2142.7	823	381.9	266.3	221.9	465.4	198.4	108.5	116.9
MEAN	2.23	2.52	6.72	69.1	29.4	12.3	8.88	7.16	15.5	6.40	3.50	3.90
MAX	2.5	3.7	18	285	102	19	12	11	33	16	6.3	23
MIN	2.1	2.1	2.6	8.7	11	9.9	7.0	5.7	7.0	3.6	2.6	2.4

WTR YR 1953 TOTAL 5078.1 MEAN 13.9 MAX 285 MIN 2.1

1954	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	170.0	350.3	971	4363	5172	621.0	266.1	245.7	226.8	211.3	149.3	266.8
MEAN	5.48	11.7	31.3	141	185	20.0	8.87	7.93	7.56	6.82	4.82	8.89
MAX	18	18	133	660	595	48	16	9.4	8.8	16	17	30
MIN	3.6	6.3	11	23	48	8.0	6.5	6.5	6.2	4.4	3.8	4.4

WTR YR 1954 TOTAL 13013.3 MEAN 35.7 MAX 660 MIN 3.6

1955	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	343.2	1089.6	1046	542.2	1048.4	578	942	468	447.0	541.3	151.9	111.4
MEAN	11.1	36.3	33.7	17.5	37.4	18.6	31.4	15.1	14.9	17.5	4.90	3.71
MAX	25	114	137	34	267	32	67	22	54	54	8.0	3.8
MIN	4.8	6.2	14	8.8	9.4	10	13	11	8.5	7.5	3.8	3.6

WTR YR 1955 TOTAL 7309.0 MEAN 20.0 MAX 267 MIN 3.6

1956	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	222.2	3630.9	2434	1697	741	1472	823	348.9	380.2	165.7	118.0	114.4
MEAN	7.17	121	78.5	54.7	25.6	47.5	27.4	11.3	12.7	5.35	3.81	3.81
MAX	25	1050	250	247	80	249	39	16	32	7.4	7.4	9.0
MIN	3.6	5.7	20	15	12	15	16	7.3	7.0	3.9	3.1	2.9

WTR YR 1956 TOTAL 12147.3 MEAN 33.2 MAX 1050 MIN 2.9

1957	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	523.6	415.2	1427.0	295.4	1581.8	1242	629	364.5	181.7	142.4	144.3	100.7
MEAN	16.9	13.8	46.0	9.53	56.5	40.1	21.0	11.8	6.06	4.59	4.65	3.36
MAX	101	37	409	12	604	72	33	20	8.5	6.2	12	4.4
MIN	3.9	9.4	9.0	5.6	8.0	18	13	9.0	4.8	3.8	3.6	2.9

WTR YR 1957 TOTAL 7047.6 MEAN 19.3 MAX 604 MIN 2.9

1958	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	107.1	135.2	610.8	726	725	433.5	426.1	197.3	198.2	99.8	77.7	87.8
MEAN	3.45	4.51	19.7	23.4	25.9	14.0	14.2	6.36	6.61	3.22	2.51	2.93
MAX	5.9	12	101	57	50	26	28	15	17	4.3	3.4	4.0
MIN	3.0	3.4	4.4	11	13	9.9	8.7	4.3	4.0	2.6	2.0	2.4

WTR YR 1958 TOTAL 3824.5 MEAN 10.5 MAX 101 MIN 2.0

1959	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	169.8	622.6	905	1252	422	457	503.9	550	226.5	119.7	80.8	91.5
MEAN	5.48	20.8	29.2	40.4	15.1	14.7	16.8	17.7	7.55	3.86	2.61	3.05
MAX	20	76	66	95	19	25	48	30	13	5.6	3.1	5.0
MIN	2.8	4.0	18	22	12	11	7.1	11	5.0	2.6	2.2	2.2

WTR YR 1959 TOTAL 5400.8 MEAN 14.8 MAX 95 MIN 2.2

TABLE 7.--Records of gaging stations in Clallam County--continued

12047500 SIEBERT CREEK NEAR PORT ANGELES, WA (Site 162 and 163)

1960	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	131.6	379.3	916.1	1325.7	1574	881	435.1	459	194.8	104.4	100.6	81.4
MEAN	4.25	12.6	29.6	42.8	54.3	28.4	14.5	14.8	6.49	3.37	3.25	2.71
MAX	12	64	253	450	135	55	25	20	10	4.6	6.5	3.2
MIN	2.4	3.7	5.3	6.4	19	17	9.1	10	4.6	2.8	2.6	2.4

WTR YR 1960 TOTAL 6583.0 MEAN 18.0 MAX 450 MIN 2.4

1961	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	100.2	315.2	325.9	1599.0	1308	964	339.0	673.8	184.4	124.9	87.8	74.7
MEAN	3.23	10.5	10.5	51.6	46.7	31.1	11.3	21.7	6.15	4.03	2.83	2.49
MAX	5.0	34	39	506	110	77	15	75	10	9.4	4.2	4.0
MIN	2.4	3.6	5.5	5.0	25	15	9.0	9.1	4.3	3.1	2.3	2.1

WTR YR 1961 TOTAL 6096.9 MEAN 16.7 MAX 506 MIN 2.1

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	104.7	147.4	352.3	403.0	173.1	310.8	211.8	357.3	217.5	106.0	95.1	77.6
MEAN	3.38	4.91	11.4	13.0	6.18	10.0	7.06	11.5	7.25	3.42	3.07	2.59
MAX	6.0	20	40	57	7.8	19	12	26	17	6.0	6.3	4.4
MIN	2.4	3.0	4.0	4.4	3.2	4.5	4.4	6.3	3.8	2.5	2.4	2.2

WTR YR 1962 TOTAL 2556.6 MEAN 7.00 MAX 57 MIN 2.2

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	249.7	1087.0	875	508.5	841.0	283.2	359	318.5	169.1	237.3	199.6	138.4
MEAN	8.05	36.2	28.2	16.4	30.0	9.14	12.0	10.3	5.64	7.65	6.44	4.61
MAX	72	220	63	55	118	13	16	24	9.0	15	20	7.6
MIN	2.4	3.7	15	4.9	8.4	7.6	10	5.6	4.0	4.9	3.6	3.8

WTR YR 1963 TOTAL 5266.3 MEAN 14.4 MAX 220 MIN 2.4

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	566.5	901	759	1223	565.3	626	351.1	199.6	371.0	152.4	112.9	100.7
MEAN	18.3	30.0	24.5	39.5	19.5	20.2	11.7	6.44	12.4	4.92	3.64	3.36
MAX	113	80	41	84	69	49	32	9.0	26	6.9	5.8	14
MIN	3.7	15	15	22	8.6	12	6.9	5.8	6.5	3.5	3.0	2.8

WTR YR 1964 TOTAL 5928.5 MEAN 16.2 MAX 113 MIN 2.8

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	114.2	246.2	284.0	1109.8	1082	347.1	506.8	241.7	132.9	89.6	88.4	83.4
MEAN	3.68	8.21	9.16	35.8	38.6	11.2	16.9	7.80	4.43	2.89	2.85	2.78
MAX	7.3	49	33	188	132	22	84	11	6.1	4.0	6.1	4.2
MIN	3.0	4.2	3.0	6.1	19	6.0	6.4	6.1	3.5	2.1	2.1	2.4

WTR YR 1965 TOTAL 4326.1 MEAN 11.9 MAX 188 MIN 2.1

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	91.2	160.3	335.1	1419.7	405.4	862.2	337.6	224.4	158.1	175.4	86.5	102.6
MEAN	2.94	5.34	10.8	45.8	14.5	27.8	11.3	7.24	5.27	5.66	2.79	3.42
MAX	4.5	16	36	216	20	75	23	13	7.0	13	3.0	5.8
MIN	2.5	3.0	4.2	7.9	9.4	8.9	6.2	5.8	4.2	3.2	2.5	2.5

WTR YR 1966 TOTAL 4358.5 MEAN 11.9 MAX 216 MIN 2.5

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	171.9	287.9	1237	2080	584	543.1	585	414.3	200.2	111.1	81.4	78.0
MEAN	5.55	9.60	39.9	67.1	20.9	17.5	19.5	13.4	6.67	3.58	2.63	2.60
MAX	22	37	218	454	49	70	58	32	9.5	4.6	2.9	3.6
MIN	3.0	3.7	13	22	10	7.6	10	7.6	4.6	2.9	2.5	2.4

WTR YR 1967 TOTAL 6373.9 MEAN 17.5 MAX 454 MIN 2.4

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	296.9	206.7	594.0	1560.1	1308	786	254.7	169.7	163.5	90.3	125.1	106.2
MEAN	9.58	6.89	19.2	50.3	45.1	25.4	8.49	5.47	5.45	2.91	4.04	3.54
MAX	43	15	62	232	198	62	15	8.1	11	3.4	8.1	6.0
MIN	3.3	4.8	4.6	8.7	14	14	5.6	4.2	3.6	2.4	2.4	2.8

WTR YR 1968 TOTAL 5661.2 MEAN 15.5 MAX 232 MIN 2.4

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	118.4	359.6	1150	722.0	627.5	941	672	348.4	225.3	135.1	84.8	94.3
MEAN	3.82	12.0	37.1	23.3	22.4	30.4	22.4	11.2	7.51	4.36	2.74	3.14
MAX	8.8	43	121	95	76	92	50	17	25	7.4	3.2	8.1
MIN	2.8	3.9	12	6.0	6.5	14	14	8.1	4.6	3.0	2.4	2.2

WTR YR 1969 TOTAL 5478.4 MEAN 15.0 MAX 121 MIN 2.2

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173)

LOCATION--Lat 48°00'52", long 123°07'53", in NW¼ NE¼ sec. 13, T.29 N., R.4 W., Clallam County, Hydrologic Unit 17110020, on right bank 1.0 mi upstream from Canyon Creek, 4.8 mi southwest of Sequim, and at mile 11.8.

DRAINAGE AREA--156 mi^2.

PERIOD OF RECORD--June 1923 to Sept 1930, June 1937 to current year.

GAGE--Water-stage recorder. Datum of gage is 569.3 ft National Geodetic Vertical Datum of 1929 (river profile survey). June 8, 1923, to Sept 30, 1930, nonrecording gage just above fish-hatchery diversion 0.5 mi downstream at different datum. June 19 to Aug 12, 1937, nonrecording gage at present site and datum.

AVERAGE DISCHARGE--48 years (water years 1924-30, 1938-78), 390 ft^3/s, 33.95 in/yr, 282,600 acre-ft/yr.

EXTREMES--Maximum discharge, 6,820 ft^3/s Nov 27, 1949, gage height, 8.58 ft from floodmarks, from rating extended above 2,000 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 68 ft^3/s Dec 9, 10, 1972, during period of ice effect.

REMARKS.--Records good. No regulation or diversion above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1922 TO SEPTEMBER 1923
MEAN VALUES

1923	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL									21984	17156	10586	6286
MEAN									733	553	341	210
MAX									1130	880	670	570
MIN									521	333	247	152

1924	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5509	5076	12139	11418	30213	7231	6298	15202	11710	9036	5461	5017
MEAN	178	169	392	368	1042	233	210	490	390	291	176	167
MAX	344	452	2080	4820	5140	387	298	790	556	438	205	413
MIN	141	125	158	158	326	165	148	248	312	216	119	90

WTR YR 1924 TOTAL 124310 MEAN 340 MAX 5140 MIN 90

1925	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11756	19067	14570	10665	13251	7830	15578	24793	18776	15099	8253	5165
MEAN	379	636	470	344	473	253	519	800	626	487	266	172
MAX	1200	2400	1380	675	1470	336	1080	1500	1120	650	357	222
MIN	154	295	295	222	257	211	258	425	425	357	164	140

WTR YR 1925 TOTAL 164803 MEAN 452 MAX 2400 MIN 140

1926	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3888	4444	9084	6944	6804	6114	8365	9522	8658	5541	4140	3138
MEAN	125	148	293	224	243	197	279	307	289	179	134	105
MAX	147	192	740	408	425	258	425	478	425	245	201	132
MIN	118	112	182	173	156	156	201	212	222	132	112	82

WTR YR 1926 TOTAL 76642 MEAN 210 MAX 740 MIN 82

1927	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8134	9036	15953	13928	11270	9475	9921	16035	29355	19342	10358	6676
MEAN	262	301	515	449	403	306	331	517	979	624	334	223
MAX	1080	1040	2150	1710	740	408	650	1000	1710	710	512	442
MIN	99	140	270	258	258	270	234	357	550	495	201	147

WTR YR 1927 TOTAL 159483 MEAN 437 MAX 2150 MIN 99

1928	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7525	9985	8189	18894	7758	8797	9433	17395	13149	9055	4420	2814
MEAN	243	333	264	609	268	284	314	561	438	292	143	93.8
MAX	595	620	650	1400	326	650	442	920	530	374	192	164
MIN	156	182	125	147	212	192	245	312	326	201	99	77

WTR YR 1928 TOTAL 117414 MEAN 321 MAX 1400 MIN 77

1929	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5744	6180	5759	4134	2965	4149	6037	16266	19975	13854	7063	3878
MEAN	185	206	186	133	106	134	201	525	666	447	228	129
MAX	595	390	478	192	112	164	326	845	1000	650	326	164
MIN	82	164	132	112	99	105	118	297	478	312	173	93

WTR YR 1929 TOTAL 96004 MEAN 263 MAX 1000 MIN 82

1930	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	2998	2597	5795	3259	8313	6547	11231	11202	14567	8810	5230	4014
MEAN	96.7	86.6	187	105	297	211	374	361	486	284	169	134
MAX	132	132	740	147	920	374	495	460	880	390	201	164
MIN	82	77	77	85	125	125	297	312	390	201	132	110

WTR YR 1930 TOTAL 84563 MEAN 232 MAX 920 MIN 77

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173) -- continued

1937	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL									26402	17199	7080	4148
MEAN									880	555	228	138
MAX									1200	860	310	174
MIN									692	300	153	107

1938	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4836	11758	17839	12188	6093	8101	13145	22095	26357	16639	7086	4548
MEAN	156	392	575	393	218	261	438	713	879	537	229	152
MAX	898	1020	3240	714	408	418	1070	1230	1220	690	321	183
MIN	104	140	217	240	172	194	188	402	655	321	162	123

WTR YR 1938 TOTAL 150685 MEAN 413 MAX 3240 MIN 104

1939	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5266	4792	7924	14235	5657	7108	9863	13895	13616	11636	5896	3754
MEAN	170	160	256	459	202	229	329	448	454	375	190	125
MAX	525	280	607	2560	442	486	414	903	550	464	259	156
MIN	112	125	137	211	149	125	259	320	370	288	141	109

WTR YR 1939 TOTAL 103642 MEAN 284 MAX 2560 MIN 109

1940	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3731	5055	22929	18166	11522	12411	10330	20643	16063	9537	5813	4674
MEAN	120	169	740	586	397	400	344	666	535	308	188	156
MAX	196	419	2320	1840	557	570	446	1050	710	422	220	250
MIN	98	102	347	259	280	322	276	499	394	232	159	129

WTR YR 1940 TOTAL 140874 MEAN 385 MAX 2320 MIN 98

1941	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10786	7816	13462	12172	10041	7425	8288	12904	15244	10667	5391	4561
MEAN	348	261	434	393	359	240	276	416	508	344	174	152
MAX	1210	557	795	1420	710	361	370	640	755	462	242	218
MIN	117	187	266	226	206	190	212	232	398	218	141	117

WTR YR 1941 TOTAL 118757 MEAN 325 MAX 1420 MIN 117

1942	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6473	10912	22166	7779	6070	5038	8115	14777	19135	14154	6216	3608
MEAN	209	364	715	251	217	163	271	477	638	457	201	120
MAX	526	1300	2860	356	338	195	446	932	869	860	259	142
MIN	121	134	290	208	158	135	201	240	517	270	142	100

WTR YR 1942 TOTAL 124443 MEAN 341 MAX 2860 MIN 100

1943	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3299	6738	8702	7297	7152	6000	13815	13916	17587	15338	7163	4124
MEAN	106	225	281	235	255	194	461	449	586	495	231	137
MAX	315	531	459	423	390	604	770	920	930	770	327	188
MIN	87	108	152	155	175	129	327	285	414	356	174	112

WTR YR 1943 TOTAL 111131 MEAN 304 MAX 930 MIN 87

1944	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4631	4123	6418	6050	3936	5006	5562	10622	12367	6818	4005	3250
MEAN	149	137	207	195	136	161	185	343	412	220	129	108
MAX	405	200	884	508	263	386	259	582	623	292	154	188
MIN	106	115	115	111	108	97	141	222	304	158	106	92

WTR YR 1944 TOTAL 72788 MEAN 199 MAX 884 MIN 92

1945	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3408	7115	6801	8553	11680	7162	7196	18866	17368	12685	6197	4497
MEAN	110	237	219	276	417	231	240	609	579	409	200	150
MAX	389	489	637	604	1600	620	402	1020	804	544	251	333
MIN	80	126	112	110	180	155	159	437	426	251	146	115

WTR YR 1945 TOTAL 111528 MEAN 306 MAX 1600 MIN 80

1946	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3934	6435	9613	8758	5419	6231	9539	21200	20894	19554	10039	4953
MEAN	127	215	310	283	194	201	318	684	696	631	324	165
MAX	412	479	697	485	427	319	658	970	1020	848	508	237
MIN	84	119	156	198	138	151	156	357	550	479	240	119

WTR YR 1946 TOTAL 126569 MEAN 347 MAX 1020 MIN 84

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173) -- continued

1947	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4133	5200	10426	8336	18244	9472	10415	19293	16544	10728	5759	3908
MEAN	133	173	336	269	652	306	347	622	551	346	186	130
MAX	295	510	893	966	2050	408	508	923	896	483	256	179
MIN	97	93	185	141	258	226	230	418	360	237	138	110

WTR YR 1947 TOTAL 122458 MEAN 336 MAX 2050 MIN 93

1948	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	10833	7959	12820	10323	8236	6642	7959	23926	35892	18114	9557	6468
MEAN	349	265	414	333	284	214	265	772	1196	584	308	216
MAX	1630	567	1270	567	828	508	514	2200	1830	812	471	632
MIN	118	179	162	237	176	148	162	222	860	424	208	134

WTR YR 1948 TOTAL 158729 MEAN 434 MAX 2200 MIN 118

1949	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7257	9149	10318	4369	10677	9862	11550	23931	20901	14772	9125	6740
MEAN	234	305	333	141	381	318	385	772	697	477	294	225
MAX	558	1040	1450	191	1910	473	571	1210	1050	659	448	280
MIN	150	140	170	114	96	213	209	338	402	348	237	134

WTR YR 1949 TOTAL 138651 MEAN 380 MAX 1910 MIN 96

1950	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4488	17900	16412	9690	10620	12650	9615	18531	33078	25212	12764	6030
MEAN	145	597	529	313	379	408	321	598	1103	813	412	201
MAX	375	3800	1550	659	1720	1040	470	957	1500	1130	696	295
MIN	108	111	246	185	194	239	228	254	813	549	270	148

WTR YR 1950 TOTAL 176990 MEAN 485 MAX 3800 MIN 108

1951	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	9169	16515	26090	15350	21112	9108	13232	19878	21520	15550	7542	4736
MEAN	296	551	842	495	754	294	441	641	717	502	243	158
MAX	895	2340	1830	788	3020	364	623	1000	993	749	349	286
MIN	132	224	388	349	359	262	278	354	506	330	178	118

WTR YR 1951 TOTAL 179802 MEAN 493 MAX 3020 MIN 118

1952	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	7517	6854	7263	4126	7263	5657	11309	18972	18048	16333	8386	4457
MEAN	242	228	234	133	250	182	377	612	602	527	271	149
MAX	510	495	670	420	490	320	1260	888	1060	735	372	178
MIN	173	144	139	105	146	126	181	364	434	380	184	128

WTR YR 1952 TOTAL 116185 MEAN 317 MAX 1260 MIN 105

1953	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3301	3075	5394	22806	12287	6464	9148	20914	20659	23495	12176	6986
MEAN	106	103	174	736	439	209	305	675	689	758	393	233
MAX	126	173	502	2090	1360	270	906	1180	882	1320	524	821
MIN	90	84	88	181	224	173	166	425	553	460	267	153

WTR YR 1953 TOTAL 146705 MEAN 402 MAX 2090 MIN 84

1954	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8989	17425	17697	15295	22833	11907	9337	19788	22415	26041	16165	10932
MEAN	290	581	571	493	815	384	311	638	747	840	521	364
MAX	648	1450	1440	1930	1790	818	440	1050	1080	1420	750	524
MIN	186	304	340	250	312	240	230	270	535	589	383	240

WTR YR 1954 TOTAL 198824 MEAN 545 MAX 1930 MIN 186

1955	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	13294	25992	14521	8021	7593	5136	7945	14398	27389	20212	10873	6452
MEAN	429	866	468	259	271	166	265	464	913	652	351	215
MAX	906	2440	679	397	1010	224	553	1130	1560	866	559	274
MIN	208	270	383	203	176	146	178	181	491	486	256	153

WTR YR 1955 TOTAL 161826 MEAN 443 MAX 2440 MIN 146

1956	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	8019	23176	14256	10871	5245	6614	15259	27695	34526	25955	12444	7043
MEAN	259	773	460	351	181	213	509	893	1151	837	401	235
MAX	934	5060	911	599	248	524	1100	1530	1760	1140	550	368
MIN	148	300	259	205	158	139	183	452	806	479	278	180

WTR YR 1956 TOTAL 191103 MEAN 522 MAX 5060 MIN 139

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173) -- continued

1957	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	14003	10325	16248	6229	12615	12007	9374	25686	19253	11567	7293	5394
MEAN	452	344	524	201	451	387	312	829	642	373	235	180
MAX	1400	600	2310	290	2560	678	866	1610	1020	500	285	277
MIN	161	198	195	145	130	239	236	642	420	277	174	146

WTR YR 1957 TOTAL 149994 MEAN 411 MAX 2560 MIN 130

1958	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5391	5219	7615	13513	16319	9001	7610	26953	26828	13401	6902	4794
MEAN	174	174	246	436	583	290	254	869	894	432	223	160
MAX	342	280	856	1210	2030	565	374	1540	1240	577	300	196
MIN	118	141	136	215	239	208	190	334	488	308	174	128

WTR YR 1958 TOTAL 143546 MEAN 393 MAX 2030 MIN 118

1959	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6498	11781	17390	17569	6577	6349	12110	20497	21821	15849	7617	5936
MEAN	210	393	561	567	235	205	404	661	727	511	246	198
MAX	551	1070	1610	1450	360	340	2100	1070	1030	642	370	365
MIN	110	183	330	350	183	160	238	440	554	319	175	151

WTR YR 1959 TOTAL 149994 MEAN 411 MAX 2100 MIN 110

1960	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5834	11615	15178	12013	15448	8757	10910	17531	23575	14134	7132	4099
MEAN	188	387	490	388	533	282	364	566	786	456	230	137
MAX	331	1820	2200	3300	1320	510	577	956	1270	690	305	173
MIN	143	113	208	150	235	181	278	415	490	310	170	106

WTR YR 1960 TOTAL 146226 MEAN 400 MAX 3300 MIN 106

1961	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4486	7458	9713	21790	17131	14046	10629	19911	32447	20574	10075	5255
MEAN	145	249	313	703	612	453	354	642	1082	664	325	175
MAX	278	614	1020	3830	1170	1030	564	940	1730	956	455	351
MIN	102	128	164	178	413	333	284	413	630	403	212	129

WTR YR 1961 TOTAL 173515 MEAN 475 MAX 3830 MIN 102

1962	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4567	5681	6461	12638	6117	4128	7816	10964	18800	12997	7530	4528
MEAN	147	189	208	408	218	133	261	354	627	419	243	151
MAX	225	581	360	1190	346	153	370	702	747	534	355	268
MIN	119	125	129	182	133	121	144	203	450	315	162	121

WTR YR 1962 TOTAL 102227 MEAN 280 MAX 1190 MIN 119

1963	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11658	16821	20580	11033	20534	7719	7287	14630	17798	13822	8513	5716
MEAN	376	561	664	356	733	249	243	472	593	446	275	191
MAX	1420	1840	2140	888	2180	378	365	929	776	589	344	267
MIN	167	212	383	184	190	196	181	225	410	322	214	153

WTR YR 1963 TOTAL 156111 MEAN 428 MAX 2180 MIN 153

1964	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	11063	16964	15230	16340	8049	6546	7734	12766	27215	18725	8776	5131
MEAN	357	565	491	527	278	211	258	412	907	604	283	171
MAX	1620	1440	1340	1620	430	322	348	920	1250	882	380	456
MIN	140	318	294	326	208	178	225	218	534	375	193	135

WTR YR 1964 TOTAL 154539 MEAN 422 MAX 1620 MIN 135

1965	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4743	6201	7326	11573	12462	6834	9961	14249	18330	12030	7056	3859
MEAN	153	207	236	373	445	220	332	460	611	388	228	129
MAX	289	1300	922	1210	1140	264	834	765	946	552	286	156
MIN	115	117	135	129	271	166	166	278	403	275	159	104

WTR YR 1965 TOTAL 114624 MEAN 314 MAX 1300 MIN 104

1966	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4961	8909	8760	8982	4823	7400	12135	20660	20243	18606	9914	5670
MEAN	160	297	283	290	172	239	405	666	675	600	320	189
MAX	439	564	632	768	264	652	612	1130	1000	758	468	242
MIN	103	135	166	159	142	135	307	312	436	458	200	161

WTR YR 1966 TOTAL 131063 MEAN 359 MAX 1130 MIN 103

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173) -- continued

1967	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6516	8849	27251	15030	8409	10679	6671	20396	35435	22621	11382	6502
MEAN	210	295	879	485	300	344	222	658	1181	730	367	217
MAX	525	772	2630	1270	490	1400	296	1200	1540	1120	500	305
MIN	119	142	332	292	196	183	186	253	807	505	249	158

WTR YR 1967 TOTAL 179741 MEAN 492 MAX 2630 MIN 119

1968	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	17388	11680	15225	33337	19576	13554	6806	13542	19158	14376	7974	5883
MEAN	561	389	491	1075	675	437	227	437	639	464	257	196
MAX	1360	674	1960	3160	1610	1070	316	1240	1210	721	334	307
MIN	280	223	180	323	352	288	176	252	431	330	201	139

WTR YR 1968 TOTAL 178499 MEAN 488 MAX 3160 MIN 139

1969	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	6730	9257	13845	10283	6876	7896	11369	27647	31002	13976	7321	6988
MEAN	217	309	447	332	246	255	379	892	1033	451	236	233
MAX	575	598	1060	1100	868	610	622	1640	1500	682	315	520
MIN	131	180	221	175	145	145	280	343	532	311	167	140

WTR YR 1969 TOTAL 153190 MEAN 420 MAX 1640 MIN 131

1970	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5799	6963	10111	10985	8607	6916	7165	13801	23986	13152	6196	4422
MEAN	187	232	326	354	307	223	239	445	800	424	200	147
MAX	291	515	1060	1100	530	356	622	873	1410	719	259	197
MIN	137	132	134	162	227	170	165	191	470	239	154	119

WTR YR 1970 TOTAL 118103 MEAN 324 MAX 1410 MIN 119

1971	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3685	5793	7885	12848	14193	9306	8930	20659	23485	24565	14378	6608
MEAN	119	193	254	414	507	300	298	666	783	792	464	220
MAX	176	717	788	1340	1060	638	450	988	1340	1140	964	380
MIN	93	104	135	144	282	212	220	414	555	550	282	156

WTR YR 1971 TOTAL 152335 MEAN 417 MAX 1340 MIN 93

1972	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4683	8576	6808	8829	12439	25396	12353	23386	28217	22177	11706	6571
MEAN	151	286	220	285	429	819	412	754	941	715	378	219
MAX	233	748	629	1220	1560	2090	840	1610	1260	1000	530	500
MIN	126	141	148	139	170	386	286	346	758	520	260	170

WTR YR 1972 TOTAL 171141 MEAN 468 MAX 2090 MIN 126

1973	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4214	5590	15550	13297	5582	5649	5614	14783	16667	12112	6813	4721
MEAN	136	186	502	429	199	182	187	477	556	391	220	157
MAX	183	550	2590	1090	415	299	241	988	805	519	331	210
MIN	105	120	68	220	153	155	145	202	358	279	153	130

WTR YR 1973 TOTAL 110592 MEAN 303 MAX 2590 MIN 68

1974	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5375	10409	16655	23946	8298	13141	9018	16051	30943	25895	14414	7030
MEAN	173	347	537	772	296	424	301	518	1031	835	465	234
MAX	462	1280	1630	3400	554	1400	410	944	1540	1140	754	360
MIN	98	154	271	190	207	174	262	325	604	674	338	155

WTR YR 1974 TOTAL 181175 MEAN 496 MAX 3400 MIN 90

1975	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4481	5760	10901	9930	5863	6330	5135	14502	21571	18380	9777	5934
MEAN	145	192	352	320	209	204	171	468	719	593	315	198
MAX	206	485	1700	800	365	389	209	841	1090	1080	517	314
MIN	119	117	146	160	150	139	132	209	393	321	250	146

WTR YR 1975 TOTAL 118564 MEAN 325 MAX 1700 MIN 117

1976	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	13692	21801	28433	16598	9831	7252	8910	19439	17658	18382	10449	6000
MEAN	442	727	917	535	339	234	297	627	589	593	337	200
MAX	1860	2750	3900	1220	465	268	505	981	939	865	427	259
MIN	139	339	310	339	265	211	217	450	354	427	253	177

WTR YR 1976 TOTAL 178445 MEAN 488 MAX 3900 MIN 139

TABLE 7.--Records of gaging stations in Clallam County--continued

12048000 DUNGENESS RIVER NEAR SEQUIM, WA. (Site 173) -- continued

1977	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	3997	3580	3618	4120	3389	4167	7985	9038	13625	7134	6264	5037
MEAN	129	119	117	133	121	134	266	292	454	230	202	168
MAX	170	185	405	597	196	308	527	445	849	318	321	281
MIN	100	92	84	76	93	97	98	222	308	193	167	128

WTR YR 1977 TOTAL 71954 MEAN 197 MAX 849 MIN 76

1978	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	5009	13679	17069	9746	7950	8373	8116	12519	21165	16033	8557	10297
MEAN	162	456	551	314	284	270	271	404	706	517	276	343
MAX	365	1250	1350	561	573	505	354	694	1120	694	441	981
MIN	98	230	239	219	217	177	228	284	490	335	201	222

WTR YR 1978 TOTAL 138513 MEAN 379 MAX 1350 MIN 98

1979	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TOTAL	4628	5823	4411	2302	5074	10743	6711	15578	13691	9327	4988	4984
MEAN	149	194	142	74.3	181	347	224	503	456	301	161	166
MAX	203	708	247	97	585	990	365	825	708	505	211	346
MIN	113	113	84	65	65	177	172	304	325	201	130	106

WTR YR 1979 TOTAL 88260 MEAN 242 MAX 990 MIN 65

TABLE 8.—Records of crest-stage partial-record stations in Clallam County.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein.

Table 8.--continued

Quillayute River Basin

12041500 Soleduck River near Fairholm (site number 4)
Location.--(see gaging station record)
Drainage area.--83.8 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	Mar 5, 1972	9.93	9,760
1973	Dec 25, 1972	11.17	11,900
1974	Jan 16, 1974	11.42	12,400
1975	Dec 21, 1974	10.45	10,600
1976	Dec 3, 1975	12.76	15,000

12041600 Soleduck River Tributary near Fairholm (site number 5)
Location.--Lat 48°02'45", long 123°57'35", in SE¼SW¼ sec. 35, T.30 N., R.10 W., at National Park road, 2.6 miles southwest of Fairholm.
Drainage area.--0.42 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1956	Nov 3, 1955	11.21	47.8
1957	Dec 9, 1956	11.53	52.1
1958	Dec 25, 1957	9.16	17.3
1959	Apr 29, 1959	9.35	20
1960	Dec 14, 1959	9.15	17
1961	Jan 15, 1961	11.32	50
1962	Jan 3, 1962	8.85	12
1963	Nov 19, 1962	9.85	28
1964	Oct 21, 1963	8.90	13
1965	Nov 30, 1964	9.07	16
1966	Jan 12, 1966	9.83	28
1967	Dec 13, 1966	9.82	28
1968	Jan 19, 1968	10.50	38
1969	Jan 4, 1969	9.21	18
1970	Apr 9, 1970	9.08	16
1971	Dec 6, 1970	9.59	24
1972	Mar 5, 1972	10.43	37
1973	Dec 26, 1972	11.24	48
1974	Dec 15, 1973	10.42	37
1975	Dec 21, 1974	9.76	27

Table 8.--continued

12042700 May Creek near Forks (site number 31)
Location.--Lat 47°52'55", long 124°21'00", in SW¼ sec. 35, T.28N., R.13W., at U.S. Highway 101, 5.0 miles south of Forks.
Drainage area.--2.03 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Dec 28, 1949	23.75	475
1951	Feb 10, 1951	22.87	439
1952	Jan 30, 1952	19.62	278
1953	Jan 2, 1953	22.60	427
1954	Feb 17-21, 1954	22.62	428
1955	Nov 18, 1954	27.96	624
1956	Nov 3, 1955	26.02	554
1957	Dec 9, 1956	27.82	617
1958	Dec 25, 1957	21.15	303
1959	Apr 29, 1959	25.05	522
1960	Dec 14, 1959	26.77	582
1961	Feb 21, 1961	30.21	694
1962	Jan 3, 1962	19.25	238
1963	Nov 19, 1962	32.82	759
1964	Dec 23, 1963	24.42	499
1965	Jan 4, 1965	23.86	478
1966	Jan 12, 1966	23.59	465
1967	Jan 19, 1967	21.92	395
1968	Jan 19, 1968	30.72	711

Table 8.--continued

12042900 Grader Creek near Forks (site number 34)
Location.--Lat 47°55'40", long 124°24'25", in SW¼ sec. 17, T.28N., R.13W., at U.S. Highway 101, 2.0 miles southwest of Forks.
Drainage area.--1.67 mi^2. Area of lakes and ponds, 0. mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Nov 26, 1949	20.94	235
1951	Feb 10, 1951	20.49	265
1952	Nov 30, 1951	19.94	210
1953	Jan 31, 1953	21.04	335
1954	Feb 19, 1954	20.58	288
1955	Nov 18, 1954	21.98	407
1956	Nov 3, 1955	22.48	503
1957	Dec 9, 1956	22.98	520
1958	Dec 25, 1957	20.50	199
1959	Apr 29, 1959	21.42	334
1960	Dec 14, 1959	21.70	415
1961	Feb 21, 1961	22.05	455
1962	Jan 3, 1962	18.92	163
1963	Nov 19, 1962	22.32	485
1964	Nov 26, 1963	20.73	312
1965	Jan 4, 1965	20.89	328
1966	Jan 12, 1966	20.30	264
1967	Jan 19, 1967	20.14	250
1968	Jan 19, 1968	22.68	521
1969	Jan 4, 1969	20.40	244
1970	Apr 9, 1970	20.69	274
1971	Jan 26, 1971	20.42	246
1972	Jan 20, 1972	20.98	303
1973	Jan 26, 1972	23.68	597
1974	Dec 15, 1973	20.78	283
1975	Dec 21, 1974	21.04	336
1976	Dec 26, 1975	22.46	502
1977	Mar 7, 1977	19.28	147
1978	Nov 1, 1977	21.11	355

Table 8.--continued

12042920 Sitkum River tributary near Forks.
Location.--Lat 47°57'19", long 124°12'11", on line between SW¼ sec. 1 and SE¼ sec. 2, T.28 N., R.12 W., at Forest Service road 8 miles east of Forks.
Drainage area.--0.42 mi^2

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1971	Dec 6, 1970	9.18	52
1972	Mar 5, 1972	9.86	69
1973	Dec 26, 1972	10.76	97
1974	Dec 15, 1973	9.39	57
1975	Dec 21, 1974	9.24	53

12043100 Dickey River near La Push (map number 71).
Location.--(see gaging station record).
Drainage area.--86.3 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	Feb 2, 1974	13.29	7,810
1975	Dec 21, 1974	10.31	5,170
1976	Dec 2, 1975	13.97	8,490

Table 8.--continued

Hoko River Basin

12043270 Hoko River tributary near Sekiu.
Location.--Lat 47°12'14", long 124°25'08", in SW¼NE¼ sec.7, T.31 N., R.13 W., at county road 250 feet above mouth and 7 miles southwest of Sekiu.
Drainage area.--0.67 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1971	Jan 24, 1971	5.62	60
1972	Dec 8, 1971	6.64	100
1973	Dec 25, 1972	7.66	149
1974	Feb 3, 1974	5.97	73
1975	Dec 21, 1974	6.84	109

12043300 Hoko River near Seiku (site number 90)
Location.--(see gaging station record)
Drainage area.--51.2 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1975	Dec 21, 1974	9.83	6,960
1976	Dec 1, 1975	11.62	9,690
1977	Mar 8, 1977	7.20	3,620
1978	Nov 25, 1977	9.11	5,950

Table 8.--continued

East Twin River Basin

12043430 East Twin River near Pysht (site number 103)
Location.--(see gaging station record)
Drainage area.--14.0 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	Dec 26, 1972	5.40	1,140
1974	Jan 16, 1974	5.32	1,110
1975	Feb 12, 1975	4.59	877
1976	Dec 2, 1975	5.48	1,170
1977	Mar 8, 1977	4.71	913
1978	Dec 2, 1977	5.39	1,140

Lyre River Basin

12043450 Cross Creek near Fairholm (site number 106)
Location.--Lat 48°03'20", long 123°52'35", in NE¼ sec. 31, T.30 N., R.9 W., at U.S. Highway 101, 2.1 miles east of Fairholm.
Drainage area.--0.92 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Nov 26, 1949	16.74	112
1951	Feb 9, 1951	15.60	59.7
1952	Nov 27, 1951	14.37	15.8
1953	Jan 9, 1953	15.00	36.0
1954	Jan 5, 1954	15.50	55.0
1955	Nov 18, 1954	14.75	27.1
1956	Nov 3, 1955	18.37	208

Table 8.--continued

12043470 Lake Crescent tributary near Piedmont (site number 110).
Location.--Lat 48°03'00", long 123°48'05", in NW ¼ sec. 35, T.30 N., R.9 W., at U.S. Highway 101, 3 miles south of Piedmont.
Drainage area.--0.79 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1956	Nov 3, 1955	10.97	94.5
1957	Dec 9, 1956	12.52	175
1958	Dec 25, 1957	9.69	45

Valley Creek Basin

12046800 East Valley Creek at Port Angeles (site number 149).
Location.--Lat 48°06'10", long 123°26'20", in SW ¼ sec. 15, T.30 N., R.6 W., at county road, 1 mile south of Port Angeles city limits. (Prior to Oct 1961 gage was 0.2 mile downstream).
Drainage area.--0.69 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Feb 24, 1950	28.52	31.7
1951	Feb 10, 1951	26.21	15.0
1952	Dec 18, 1951	25.48	7.0
1953	Jan 8, 1953	26.28	15.7
1954	Jan 5, 1954	30.04	38.0
1955	Feb 7, 1955	27.70	27.5
1956	Nov 3, 1955	26.96	23.1
1957	Dec 9, 1956	28.26	30.4
1958	Dec 25, 1957	25.95	11.6
1959	Jan 24, 1959	26.41	17
1960	Jan 29, 1960	30.26	38.0
1961	Jan 15, 1961	*33.12	52
1962			<6
1963	Nov 25, 1962	--	20

*Gage-height is the result of culvert being plugged. Discharge may have been increased by failure of a dam located 0.8 mile upstream.

Table 8.--continued

Lees Creek Basin

12047100 Lees Creek at Port Angeles (site number 156).
Location.--Lat 48°06'20", long 123°22'55", in SW¼ sec. 12, T.30 N., R.6 W., at U.S. Highway 101, 1 mile east of Port Angeles city limits
Drainage area.--4.77 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Feb 16, 1949	16.62	316
1950	Feb 25, 1950	11.70	98.8
1951	Feb 9, 1951	11.67	99.0
1952	Dec 5, 1951	10.82	70.0
1953	Jan 31, 1953	11.42	90.8
1954	Jan 5, 1954	14.24	205
1955	Feb 7, 1955	13.10	157
1956	Nov 3, 1955	12.03	114
1957	Dec 9, 1956	12.78	141
1958	Jan 16, 1958	10.37	57.5
1959	Jan 24, 1959	10.65	66
1960	Jan 29, 1960	18.56	321
1961	Jan 15, 1961	19.52	338
1962	Jan 3, 1962	9.85	43
1963	Nov 25, 1962	11.11	81
1964	Jan 16, 1964	10.29	56
1965	Jan 30, 1965	10.78	70
1966	Jan 13, 1966	--	<20
1967	Jan 19, 1967	18.02	137
1968	Feb 3, 1968	16.40	77
1969	Jan 4, 1969	15.53	50
1970	Dec 13, 1969	15.16	38

Table 8.--continued

Morse Creek Basin

12047300 Morse Creek near Port Angeles (site number 158)
Location.--(see gaging station record).
Drainage area.--46.6 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1977	Mar 8, 1977	3.96	441
1978	Nov 1, 1977	4.99	914

Dungeness River Basin

12047700 Gold Creek near Blyn.
Location.--Lat 47°55'15", long 123°02'30", near center of east 1/2 sec. 15, T.28 N., R.3 W., at logging road, 7 1/2 miles southwest of Blyn.
Drainage area.--2.28 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Jan 30, 1965	5.32	40
1966	Nov 19, 1965	4.97	24
1967	Dec 13, 1966	6.40	92
1968	Jan 14, 1968	7.64	173
1969	Dec 3, 1968	6.03	73
1970	Dec 13, 1969	6.16	75
1971	Jan 31, 1971	5.16	31
1972	Mar 5, 1972	5.95	65
1973	Dec 19, 1972	5.88	61
1974	Jan 16, 1974	6.77	114
1975	Dec 21, 1974	6.09	72

Table 8.--continued

Dean Creek Basin

12049400 Dean Creek at Blyn (site number 211)
Location.--Lat 48°01'30", long 123°00'35", in NW¼sec. 12, T.29 N., R.3 W., at old highway, 50 feet east of U.S. Highway 101 and at the west edge of Blyn.
Drainage area.--2.96 mi^2.

Annual peaks

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Feb 22, 1949	8.68	47.3
1950	Feb 25, 1950	8.18	33.2
1951	Dec 24, 1950	8.26	35.1
1952	Dec 5, 1951	8.16	32.3
1953	Jan 8, 1953	7.70	21.4
1954	Feb 13, 1954	8.60	45.0
1955	Feb 8, 1955	8.31	34.0
1956	Mar 3, 1956	8.67	49.1
1957	Feb 24, 1957	10.32	108
1958	Dec 25, 1957	7.35	16.2
1959	Nov 24, 1958	7.34	16
1960	Jan 29, 1960	8.53	44
1961	Mar 15 or May 4, 1961	7.55	20
1962	Apr 27, 1962	6.87	8
1963	Nov 25, 1962	8.56	46
1964	Mar 21, 1964	7.61	17
1965	Jan 30, 1965	8.28	30
1966	Dec 27, 1965	7.78	12
1967	Jan 19, 1967	8.99	49
1968	Jan 14, 1968	8.04	21
1969	Feb 11, 1969	7.98	21
1970	Jan 23, 1970	7.75	11

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Pacific Ocean Tributaries			
1	Pacific Ocean tributary no. 5	...do...	SW¼ sec. 27, T.28 N., R.15 W., just above settling basin, 0.9 mile southeast of La Push	--	9-16-65	.13
			Quillayute River Basin			
--	Soleduck River	Quillayute River	Lat 47°58'10", long 123°51'41", in NE¼NW¼ sec. 32, T.29 N., R.9 W., Clallam County, 30 ft downstream from Sol Duc Hot Springs drain.	22.7	8-10-77	43.0
2	...do...	...do...	NW¼NE¼ sec. 12, T.29 N., R.10 W., 1.3 miles above North Fork.	--	9-18-24	47.0
3	North Fork Soleduck River	Soleduck River	NE¼NE¼ sec. 2, T.29 N., R.10 W., at crossing of Sol Duc Hot Springs road near mouth.	30.9	9-18-24	20.9
4	Soleduck River	Quillayute River	Lat 48°02'40", long 123°57'28", in lot 4, SE¼SW¼ sec. 35, T.30 N., R.10 W., Clallam County, Olympic National Park, 0.1 mi downstream from South Fork, 2.6 mi southwest of Fairholm, and at mile 54.9.	83.9	8-29-17	164
					8-30-17	163
					11-13-21	518
					8-10-22	159
					9-14-22	87
					10-5-23	80
					2-2-24	1,790
					7-19-24	114
					9-14-24	48.2
					11-7-24	898
					4-14-25	536
					5-23-25	540
					7-13-25	399
					8-27-25	120
					5-29-26	401
					9-13-26	52.0
					4-28-27	909
					7-21-27	321
					8-25-27	118
					7-21-28	157
					8-29-73	86.4
					11-18-75	1,050
					12-19-75	548
					3-13-76	869
					4-9-76	661
					6-15-76	1,350
					8-10-76	311
6	...Do	...Do	SE¼NE¼sec 28., T.30 N., R. 11 W., at gaging station "at Snider ranger station, near Beaver," (operated Oct. 1921 to Sept. 1928, fragmentary).	116	8-29-17	159
					8-30-17	134
					8-9-22	127
					9-14-22	78
					10-5-22	65
					10-6-22	102

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements Date	Measurements Discharge (cubic feet per second)
			Quillayute River Basin			
7	Snider Creek	Soleduck River	NW¼SE¼ sec. 28, T.30 N., R.11 W., at road crossing 400 ft above mouth, one-tenth mile west of Snider Ranger Station, and 7 1/2 miles east of Sappho.	0.64	7-17-62	1.37
					8-29-62	.84
					5-22-63	2.32
					7-24-63	1.99
					9-30-63	.68
					7-28-64	1.78
					9-8-65	.65
					8-17-66	.83
8	Bear Creek	..Do	SW¼SW¼ sec. 27, T.30 N., R.12 W., at U.S. Highway 101 crossing, 500 ft above mouth, and 2 miles east of Sappho.	17.9	7-17-62	13.8
					8-29-62	11.6
					5-22-63	31.5
					7-24-63	59.4
					10-2-63	7.43
					8-11-64	25.5
					9-8-65	5.88
					8-17-66	9.27
10	Cold Creek	Beaver Creek	SW¼ sec. 9, T.30 N., R.12 W., at Burnt Mountain Road crossing and 3 miles northeast of Sappho.	2.62	7-19-62	1.66
					8-29-62	3.48
					5-22-63	4.42
					7-24-63	12.7
					10-1-63	1.28
					8-11-64	5.22
					9-8-65	1.22
					8-17-66	1.96
11	Beaver Creek	Soleduck River	NE¼ sec. 20, T.30 N., R.12 W., at Burnt Montain Road crossing and 1 1/2 miles northeast of Sappho.	9.81	7-19-62	7.96
					8-29-62	11.3
					5-22-63	19.0
					7-24-63	35.2
					10-1-63	5.03
					8-11-64	18.4
					9-8-65	3.59
					8-17-66	7.02
12	Rainey Creek	Beaver Creek	SW¼SE¼ sec. 20, T.30 N., R.12 W., at Burnt Mountain Road crossing, 1 mile northeast of Sappho.	2.12	7-19-62	.02
					8-29-62	.005
					5-22-63	.22
					7-24-63	.03
					10-1-63	.001
					8-11-64	.14
					9-8-65	0
					8-17-66	.004
13	Soleduck River	Quillayute River	Lat 48°04'07", long 124°17'39", in in NE¼SW¼ sec. 30, T.30 N., R.12 W., Clallam County, at U.S. Highway 101 bridge, 0.25 mi downstream from Beaver Creek, 0.8 mi west of Sappho, and at mile 32.0.	--	6-21-76	929
					7-19-76	574
					8-18-76	346
					10-7-76	175

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
14A	Pavel Springs Creek	Soleduck River	SW¼ sec. 31, T.30N., R.12 W., 800 ft above mouth and 1 3/4 mi southwest of Sappho.	--	9-25-63	2.68
					6-3-64	6.08
					8-12-64	4.68
14B	...Do	...Do	SW¼ sec. 31, T.30 N., R.12 W., 30 ft above mouth and 1 3/4 mi southwest of Sappho.	--	9-25-63	5.29
					10-24-63	7.92
					10-29-63	16.3
					12-4-63	41.0
					1-7-64	40.7
					1-10-64	42.1
					2-13-64	37.1
					3-18-64	40.9
					4-22-64	19.0
					6-3-64	14.2
					7-9-64	12.4
					8-12-64	11.6
					9-16-64	9.07
16	Lake Creek	..Do	SW¼SE¼ sec. 4, T.29 N., R.13. W., at U.S. Highway 101 crossing and 2 miles southwest of Lake Pleasant.	11.4	7-19-62	.13
					8-29-62	.08
					5-22-63	15.6
					7-24-63	10.5
					9-10-63	0
					8-11-64	11.7
					9-8-65	0
					8-17-66	0
17	Soleduck River	Quillayute River	Lat 48°01'15", long 124°22'56", SW¼NE¼ sec. 16, T.29 N., R.13 W., Clallam County, at Maxfield Road bridge over the Soleduck River, 0.3 mile east of Olympic Highway U.S. 101, 3.0 miles southwest of Lake Pleasant and 4.8 miles north of Forks.	--	12-16-71	1,530
					2-9-72	1,610
					4-12-72	1,650
					6-13-72	863
					8-8-72	401
18	Soleduck River	Quillayute River	SE¼SE¼ sec. 29, T.29 N., R.13 W., at crossing of U.S. Highway 101.	208	7-25-00	550
23	...Do	..Do	NW¼NE¼ sec. 11, T.28 N., R.14 W., at gaging station "near Quillayute," (operated Nov. 1897 to Dec. 1901).	219	9-7-97	858
					8-9-62	327
					8-15-62	251
					8-29-62	244
					11-19-75	2,640
					12-18-75	1,510
					1-7-76	2,200
					2-12-76	4,590
					4-8-76	1,360
					6-17-76	1,260
					8-11-76	439
					10-15-76	231
					12-14-76	826
					2-9-77	598
					4-13-77	220
					6-24-77	529
					8-11-77	225

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
--	Bogachiel River	...Do	Lat 47°52'56", long 124°10'00", in SW¼SE¼ sec. 31., R.28 N., R11 W., Clallam County, Olympic National Park, at Bogachiel shelter, 11.2 miles southeast of Forks, at mile 26.1.	--	5-7-76 6-22-76 7-20-76 8-17-76 10-5-76	713 391 312 204 101
31	May Creek	Bogachiel River	South line SW¼SW¼ sec. 35, T.28 N., R.13 W., at U.S. Highway 101, (crest-stage gage "near Forks").	2.03	1-7-54	64.5
--	South Fork Calawah River	Calawah River	Lat 47°57'09", long 124°14'17", in NE¼NW¼ sec. 10, T.28 N., R.12 W., Clallam County, Olympic National Park, 1,000 ft upstream from Sitkum River, 6.7 mi east of Forks, at mile 15.9	23.4	5-6-76 6-23-76 7-21-76 8-18-76 10-6-76	151 61 39 32 24
--	Sitkum River	South Fork Calawah River	Lat 47°57'12", long 124°14'30", in NW¼NW¼ sec. 10, T.28 N., R.12 W., Clallam County, 200 ft above mouth and 6.6 mi east of Forks.	30.8	5-6-76 6-23-76 7-21-76 8-18-76 10-6-76	202 78 43 40 24
38	North Fork Calawah River	Calawah River	Lat 47°58'16", long 124°19'53", in SE¼SE¼ sec. 35, T.29 N., R.13 W., Clallam County, 200 ft above mouth, 2.8 mi northeast of Forks	47.2	5-6-76 6-23-76 7-21-76 8-18-76 10-6-76	206 105 71 47 31
42	Calawah River	Bogachiel River	NW¼SW¼ sec. 4, T.28 N., R.13 W., at U.S. Highway 101 crossing and 1/2 mile north of Forks.	129	9-6-97 8-29-62	467 144
63	East Fork Dickey River	Quillayute River	Lat 48°00'22", long 124°28'35", in SW¼NW¼ sec. 23, T.29 N., R.14 W., Clallam County, at bridge crossing 0.3 mi downstream from Thunder Creek 5.9 mi northwest of Forks, and at mi 5.8	--	6-23-76 7-21-76 8-18-76 10-6-76	44 23 20 18
--	...Do	...Do	Lat 48°00'31", long 124°30'36" in NW¼NE¼ sec. 21, T.28 N., R.14 W., Clallam County, 7.2 mi northwest of Forks, and at mile 3.6.	--	5-3-76	51
64	East Fork Dickey River	Dickey River	Lat 47°59'09", long 124°32'44", in SE¼SE¼ sec. 30, T.29 N., R.14 W., Clallam County, 6.7 mi northeast of La Push and at mile 0.2.	39.8	10-1-68 8-29-73	60.7 9.77
--	West Fork Dickey River	...Do	SW¼SE¼ sec. 16, T.30 N., R.14 W., at old logging road crossing, 1/4 mi downstream from Lake Dickey and 11 mi northwest of Forks.	14.7	8-28-62	14.6

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
--	...Do	...Do	Lat 48°05'17", long 124°30'08", in NW¼SE¼ sec. 21, T.30 N., R.14 W., Clallam County, 0.8 mi downstream from Lake Dickey, 11 mi northwest of Forks, and at mile 19.6.	--	5-6-76 6-23-76 7-21-76 8-18-76 10-6-76	19 31 6.9 5.5 5.8
65	West Fork Dickey River	Dickey River	SE¼SE¼ sec. 30, T.29 N., R.14 W., near mouth 8 mi west of Forks.	44.4	7-19-62 8-28-62 5-24-63 7-26-63 10-2-63 8-11-64 9-9-65 8-17-66	17.3 31.8 39.5 92.3 9.15 62.3 9.73 12.5
68	Dickey River	Quillayute River	Lat 47°57'53", long 124°32'53", in NE¼NE¼ sec. 6, T.28 N., R.14 W., Clallam County, 1.0 mi upstream from Colby Creek, 5.5 mi northeast of La Push and at mile 6.0.	86.3	11-19-75 12-18-75 4-8-76 8-10-76	683 345 256 32
71	Colby Creek	Dickey River	NW¼ sec. 8, T.28 N., R.14 W., at logging road crossing 1 mi above mouth, and 7 mi west of Forks.	6.20	7-19-62 8-28-62 5-24-63 7-26-63 10-2-63 8-11-64 9-9-65 8-18-66	2.97 2.68 7.56 7.11 1.16 5.07 1.25 1.24
			Ozette River Basin			
--	Crooked Creek	Ozette Lake	Lat 48°06'07", long 124°35'19", in NW¼SE¼ sec. 14, T.30 N., R.15 W., Clallam County, at wooden bridge on undeveloped logging road, 1.2 mi southeast of Swan Bay, 5.2 mi southeast of Ozette Resort.	10.41	1-14-76 2-18-76 3-30-76 4-28-76 5-26-75 6-23-76 7-19-76 8-25-76 9-30-76	354 155 55.2 12.2 44.2 7.6 5.8 12.1 2.5
--	Big River	...Do	Lat 48°09'58", long 124°31'44", in NE¼NW¼ sec. 29, T.31 N., R.14 W., Clallam County, at road crossing, 6.6 mi east of Dzette.	8.77	7-20-62 8-30-62 5-23-63 7-25-63 10-1-63 8-12-64 9-9-65 8-17-66 8-28-73	5.06 10.7 9.41 22.7 3.13 13.7 3.50 6.22 3.18

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
--	Trout Creek	Big River	SW¼NW¼ sec. 2, T.30 N., R.15 W., at Ozette Road crossing and 3 miles southeast of Ozette.	3.59	7-20-62	1.02
					8-30-62	1.99
					5-23-63	2.32
					7-25-63	6.51
					10-1-63	.35
					8-12-64	5.10
					9-9-65	.72
					8-17-66	2.19
--	Big River	Ozette Lake	Lat 48°07'53", long 124°36'10", in NE¼SE¼ sec. 3, T.30 N., R.15 W., Clallam County, 3.2 mi southeast of of Ozette Resort, 0.2 mi upstream from Dunham Creek.	20.64	7-19-76	11.8
					8-25-76	24.6
					9-29-76	10.8
--	Dunham Creek	Big River	Lat 48°07'43", long 124°35'48", in NW¼SW¼ sec. 2, T.30 N., R.15 W., Clallam County, 3.8 mi southeast of Ozette Resort, 0.3 mi upstream from mouth.	1.77	7-19-76	.63
					8-25-76	1.60
					9-29-76	.50
--	Big River	Ozette Lake	Lat 48°07'36", long 124°36'16", in SE¼SE¼ sec. 3, T.30 N., R.15 W., Clallam County, at old logging bridge on road to Swan Bay, 3.3 mi southeast of Ozette Resort.	22.52	1-14-76	5.78
					2-18-76	382
					3-29-76	174
					4-28-76	45.6
					5-26-76	140
					6-23-76	36.1
--	Umbrella Creek	Ozette Lake	Lat 48°08'07", long 124°37'18", in NW¼NW¼ sec. 3, T.30 N., R.15 W., Clallam County, at concrete bridge on Ozette Road, 2.5 mi southeast of Ozette.	11.4	7-20-62	5.13
					8-30-62	7.64
					5-23-63	8.16
					7-25-63	20.6
					10-1-63	2.64
					8-12-64	13.4
					9-9-65	2.80
					8-17-66	5.73
					1-14-76	219
					2-17-76	386
					3-30-76	73.2
					4-26-76	24.1
					5-24-76	7.5
					6-21-76	13.6
					7-19-76	6.93
					8-25-76	15.2
					9-27-76	6.31
--	Ozette River	Pacific Ocean	Lat 48°09'14", long 124°40'08" in SE¼SE¼ sec. 30, T.31 N., R.15 W., Clallam County, Olympic National Park, at Ozette and at outlet of lake.	--	7-20-62	78.5
					8-30-62	81.3
					5-23-63	261
					7-25-63	145
					10-1-63	25.1
					7-29-64	216
					9-9-65	34.8
					8-17-66	44.7
					8-28-73	40.3

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
--	Coal Creek	Ozette River	SW¼SW¼ sec. 29, T.31 N., R.15 W., at private road crossing at Ozette, 1/4 mi above mouth.	5.82	7-20-62	4.22
					8-30-62	1.85
					5-23-63	1.57
					7-25-63	7.24
					10-1-63	.45
					8-12-64	4.25
					9-9-65	.59
					8-17-66	1.94
			Sooes River Basin			
--	Thirty Cent Creek	Sooes River	NW¼SE¼ sec. 22, T.32 N., R.15 W., at private road crossing 7 1/2 mi south of Neah Bay.	0.57	7-20-62	.44
					8-31-62	.52
					5-23-63	.85
					7-25-63	1.51
					10-2-63	.21
					8-12-64	.84
					9-9-65	.14
					8-18-66	.14
--	Miller Creek	...Do	SW¼NE¼ sec. 22, T.32 N., R.15 W., at at private road crossing, 7 mi south of Neah Bay.	1.11	7-20-62	.63
					8-31-62	.87
					5-23-63	.81
					7-25-63	2.78
					10-2-63	.11
					8-12-64	1.03
					9-9-65	.33
					8-18-66	1.18
--	Sooes River	Mukkaw Bay	Lat 48°15'57", long 124°37'30", in NE¼NE¼ sec. 21., T.32 N., R.15 W., Clallam County, at bridge on private road (Spur 1900), 0.3 mi upstream from Grimes Creek, 7.1 mi south of Neah Bay.	32.0	8-4-71	27.0
--	Grimes Creek	Sooes River	NW¼SW¼ sec. 15, T.32 N., R.15 W., at private road crossing 6 1/2 mi south of Neah Bay.	1.38	7-20-62	.73
					8-31-62	1.07
					5-23-63	.80
					7-25-63	3.05
					10-2-63	.12
					8-12-64	1.82
					9-9-65	.30
					8-18-66	1.24
--	...Do	...Do	Lat 48°17'32", long 124°38'56", in NE¼NE¼ sec. 8, T.32 N., R.15 W., Clallam County, at bridge on private road (Spur 7), 5.5 miles south of Neah Bay.	--	8-4-71	27.3
					9-3-71	140
					9-15-71	59.4

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Waatch River Basin			
--	Waatch River	Mukkaw Bay (Pacific Ocean)	Lat 48°21'24", long 124°37'42", in NE¼SW¼ sec. 15, T.33 N., R.15 W., Clallam County, 0.8 mi southwest of of Neah Bay.	10.7	6-25-76	11.9
					9-9-76	18.2
					10-13-76	13.5
					12-15-76	105
					2-9-77	21.3
					4-17-77	12.0
					6-16-77	7.88
					8-4-77	1.57
					10-14-77	9.98
					12-16-77	123
					3-3-78	12.3
			Waatch Creek Basin			
--	Waatch Creek	Mukkaw Bay (Pacific Ocean)	NW¼ sec. 20, T.33 N., R.15 W., at at road crossing 1/4 mi above mouth and 3 mi southwest of Neah Bay.	0.55	7-20-62	.58
					8-30-62	.94
					5-22-63	.66
					7-24-63	3.40
					9-30-63	.21
					8-11-64	1.44
					9-8-65	.28
					8-16-66	2.99
			Village Creek Basin			
--	Village Creek	Neah Bay	Lat 48°22'10", long 124°37'40", in NE¼SW¼ sec. 10, T.33 N., R.15 W., Clallam County, at road crossing 0.3 mi above mouth, and 0.3 mi west of Neah Bay.	0.65	4-14-76	1.72
					5-4-76	.42
					6-18-76	2.79
					8-9-76	.21
					10-13-76	1.17
					12-15-76	8.96
					2-9-77	1.38
					4-7-77	.68
					6-29-77	.51
					8-4-77	.21
					10-14-77	.79
					12-15-77	21.2
					3-3-78	.75
--	...Do	...Do	SW¼ sec. 10, T.33 N., R.15 W, at road crossing at mouth at Neah Bay.	0.68	7-20-62	.31
					8-30-62	.72
					5-22-63	.46
					7-24-63	1.97
					9-30-63	.13
					8-11-64	.74
					9-8-65	.06
					8-16-66	1.55

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Sail River Basin			
--	Sail River	Strait of Juan de Fuca	Lat 48°21'24", long 124°33'39", in NW¼SE¼ sec. 18, T.33 N., R.14 W., Clallam County, 0.1 mile upstream from State Highway 112 crossing, 3.0 mi east of Neah Bay.	5.42	7-21-62	1.78
					8-30-62	3.48
					5-23-63	3.95
					7-25-63	14.B
					10-1-63	.73
					8-11-64	5.22
					9-8-65	.41
					8-17-66	1.94
					7-29-71	1.61
					9-3-71	6.23
			Snow Creek Basin			
--	Snow Creek	Strait of Juan de Fuca	SW¼ sec. 17., T.33 N., R.14 W., at at Highway 9A crossing 3 1/2 mi east of Neah Bay.	1.45	7-21-62	.24
					8-30-62	.83
					5-23-63	.78
					7-25-63	3.01
					10-1-63	.14
					8-11-64	1.10
					9-8-65	.05
					8-17-66	.23
			Bullman Creek Basin			
--	Bullman Creek	...Do	NE¼NE¼ sec. 20, T.33 N., R.14 W., at Highway 9A crossing 4 mi east of Neah Bay.	3.69	7-21-62	.70
					8-30-62	1.65
					5-23-63	2.38
					7-25-63	7.91
					10-1-63	.28
					3-11-64	2.57
					9-8-65	.20
					8-17-66	.68
			Rasmussan Creek Basin			
--	Rasmussan Creek	...Do	SE¼NE¼ sec. 27, T.33 N., R.14 W., at Highway 9A crossing 6 1/2 mi southeast of Neah Bay.	2.32	7-21-62	.55
					8-30-62	.81
					5-23-63	1.35
					7-25-63	4.75
					10-1-63	.17
					8-11-64	1.63
					9-8-65	.13
					8-17-66	.31
			Jansen Creek Basin			
--	Jansen Creek	...Do	SE¼SE¼ sec. 26, T.33 N., R.14 W., at at Highway 9A crossing, 8 mi southeast of Neah Bay.	2.02	7-21-62	.60
					8-30-62	1.06
					5-23-63	1.28
					7-25-63	4.37
					10-1-63	.24
					7-28-64	2.82
					9-8-65	.25
					8-17-66	.32

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Olsen Creek Basin			
--	Olsen Creek	...Do	NE¼NE¼ sec. 1, T.32 N., R.14 W., at State Highway 112, 7 mi northwest of Sekiu.	1.14	7-21-62	.41
					8-30-62	.83
					5-23-63	.96
					7-25-63	2.30
					10-1-63	.12
					7-28-64	1.68
					9-8-65	.15
					8-17-66	.20
			Sekiu River Basin			
--	North Fork Sekiu River	Sekiu River	NE¼ sec. 15, T.32 N., R.14 W., at confluence with South Fork, 8 1/2 mi west of Sekiu.	11.1	7-20-62	7.39
					8-31-62	11.5
					5-23-63	13.4
					7-25-63	33.4
					10-2-63	3.29
					8-12-64	13.8
					9-9-65	3.31
					8-18-66	6.76
--	South Fork Sekiu River	...Do	NE¼ sec. 15.,, T.32 N., R.14 W., at confluence with North Fork, 8 1/2 mi west of Sekiu.	8.86	7-20-62	5.95
					8-31-62	8.66
					5-23-63	11.1
					7-25-63	21.3
					10-2-63	2.48
					8-12-64	10.1
					9-9-65	3.32
					8-18-66	4.41
88	Carpenters Creek	Sekiu River	SW¼SW¼ sec. 8., T.32 N., R.13 W., at private road crossing 500 ft above mouth and 5 mi west of Sekiu.	2.90	7-20-62	.31
					8-31-62	.66
					5-23-63	2.06
					7-25-63	2.79
					10-2-63	0
					8-12-64	1.45
					9-9-65	0
					8-18-66	0
89	Sekiu River	Strait of Juan de Fuca	Center sec. 8, T.32 N., R.13 W., 0.6 mi above mouth and 5 mi west of Sekiu.	31.6	7-20-62	17.3
					8-31-62	26.5
					5-23-63	34.6
					7-25-63	84.9
					10-2-63	7.54
					8-12-64	33.5
					9-9-65	7.17
					8-18-66	14.5

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Hoko River Basin			
--	Hoko River tributary	Hoko River	NE¼NE¼ sec. 23, T.31 N., R.14 W., at Ozette Road crossing 3/4 mi southwest of Hoko Camp.	0.88	7-20-62	.29
					8-30-62	.28
					5-23-63	.40
					7-25-63	.41
					10-1-63	.10
					8-11-64	.44
					9-8-65	.08
					8-17-66	.17
--	Hoko River tributary No. 2	...Do	NW¼NW¼ sec. 24, T.31 N., R.14 W., at Ozette Road crossing 1/2 mi southwest of Hoko Camp.	.94	7-20-62	.46
					8-30-62	.63
					5-23-63	1.58
					7-25-63	.77
					10-1-63	.17
					8-11-64	1.23
					9-8-65	.22
					8-17-66	.27
91	Little Hoko River	...Do	Lat 48°15'34", long 124°21'01", in SE¼NE¼ sec. 22, T.32 N., R.13 W., Clallam County, on the upstream side of the Lake Ozette Road bridge over the Little Hoko River, 2.3 mi southwest of Sekiu.	11.5	7-20-62	4.25
					8-30-62	6.28
					5-23-63	10.2
					7-25-63	21.3
					10-1-63	3.79
					8-11-64	10.9
					9-8-65	2.24
					8-16-66	3.36
					12-15-71	122
					2-9-72	108
					4-12-72	119
					6-13-72	4.07
					8-8-72	3.64
					8-28-73	2.04
			Falls Creek Basin			
92	Falls Creek	Clallam Bay	SE¼NW¼ sec. 19, T.32 N., R.12 W., at Highway 9A crossing at Sekiu.	1.43	7-19-62	.16
					8-30-62	.10
			Clallam River Basin			
93	Clallam River	...Do	NE¼SW¼ sec. 33, T.32 N., R.12 W., at U.S. Highway 112, 1 mi above Charley Creek, and 2 mi south of of Clallam Bay.	137	5-22-63	14.2
					7-24-62	40.4
					10-1-63	3.55
					7-28-64	17.3
					9-8-65	2.71
					8-16-66	6.09

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
94	Charley Creek	Clallam River	SW¼SW¼ sec. 28, T.32 N., R.12 W., at U.S. Highway 112, 1 mi south of Clallam County.	5.23	7-19-62	1.19
					8-30-62	1.15
					5-22-63	4.13
					7-24-63	7.48
					10-1-63	.94
					7-28-64	5.30
					9-8-65	.40
					8-16-66	.72
95	Clallam River	Clallam Bay	Near East Clallam	--	3-29-01	100
					6-21-01	12
					8-20-01	6
			Pysht River Basin			
96	Pysht River	Strait of Juan de Fuca	SE¼NW¼ sec. 23, T.31 N., R.12 W., at Burnt Mountain Road crossing, 4 1/2 mi southwest of Pysht.	10.2	8-29-62	7.21
					5-22-63	13.1
					7-24-63	33.5
					10-1-63	2.75
					7-28-64	14.6
					9-9-65	2.71
					8-16-66	5.13
97	Green Creek	Pysht River	SW¼NW¼ sec. 14, T.31 N., R.12 W., at State Highway 112, 1 mi above mouth and 4 1/2 mi southwest of Pysht.	1.96	8-29-62	.58
					5-22-63	1.90
					7-24-63	4.29
					10-1-63	.26
					7-28-64	1.68
					9-8-65	.17
					8-16-66	.33
98	...Do	...Do	SW¼SE¼ sec. 14, T.31 N., R.12 W., at State Highway 112 at mouth, 4 mi southwest of Pysht.	5.28	7-19-62	1.17
					8-29-62	.92
					5-22-63	4.89
					7-24-63	8.67
					10-1-63	.58
					7-28-64	3.27
					9-8-65	.25
					8-16-66	.56
99	Pysht River	Strait of Juan de Fuca	Sec. 13, T.31 N., R.12 W., at the Forks	--	5-29-01	114
					6-21-01	29
					9-20-01	4
100	South Fork Pysht River	Pysht River	Sec. 13, T.31 N., R.12 W., at the Forks	--	6-21-01	19

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
101	Pysht River	Strait of Juan de Fuca	Lat 48°11'23", long 124°09'23", NE¼NE¼ sec. 18, T.31 N., R.11 W., Clallam County, on the downstream side of State Highway 112 bridge, 1.7 mi southwest of Pysht.	37.6	7-19-62	9.74
					8-29-62	9.65
					5-22-63	38.0
					7-24-63	61.6
					9-30-63	4.20
					7-28-64	29.5
					9-8-65	3.31
					8-16-66	7.45
					12-15-71	366
					2-8-72	560
					4-11-72	285
					6-12-72	14.4
					8-7-72	8.14
					8-28-73	4.29
			Jim Creek Basin			
--	Jim Creek	Strait of Juan de Fuca	SW¼ sec. 13, T.31 N., R.11 W., at State Highway 112, 3 mi southeast of Pysht.	3.70	7-19-62	.16
					8-29-62	.09
					5-22-63	2.56
					7-24-63	.53
					9-30-63	.07
					7-28-64	.39
					9-7-65	.06
					8-16-66	.04
			Joe Creek Basin			
--	Joe Creek	...Do	NW¼NE¼ sec. 24, T.31 N., R.11 W., at State Highway 112, 1/2 mi above mouth, and 3 1/2 mi southeast of Pysht.	1.51	7-19-62	.17
					8-29-62	.08
					5-22-63	1.48
					7-24-63	.38
					9-30-63	.06
					7-28-64	.29
					9-7-65	.42
					8-16-66	.05
			Deep Creek Basin			
--	Deep Creek	...Do	NW¼NW¼ sec. 20, T.31 N., R.10 W., at State Highway 112, 1/4 mi above mouth and 4 mi west of Twin.	17.3	7-19-62	6.32
					8-29-62	4.36
					5-22-63	19.5
					7-24-63	20.3
					9-9-63	3.81
					7-28-64	11.9
					9-7-65	3.33
					8-16-66	4.65

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
101	Pysht River	Strait of Juan de Fuca	Lat 48°11'23", long 124°09'23", NE¼NE¼ sec. 18, T.31 N., R.11 W., Clallam County, on the downstream side of State Highway 112 bridge, 1.7 mi southwest of Pysht.	37.6	7-19-62	9.74
					8-29-62	9.65
					5-22-63	38.0
					7-24-63	61.6
					9-30-63	4.20
					7-28-64	29.5
					9-8-65	3.31
					8-16-66	7.45
					12-15-71	366
					2-8-72	560
					4-11-72	285
					6-12-72	14.4
					8-7-72	8.14
			Jim Creek Basin			
--	Jim Creek	Strait of Juan de Fuca	SW¼ sec. 13, T.31 N., R.11 W., at State Highway 112, 3 mi southeast of Pysht.	3.70	7-19-62	.16
					8-29-62	.09
					5-22-63	2.56
					7-24-63	.53
					9-30-63	.07
					7-28-64	.39
					9-7-65	.06
					8-16-66	.04
			Joe Creek Basin			
--	Joe Creek	...Do	NW¼NE¼ sec. 24, T.31 N., R.11 W., at State Highway 112, 1/2 mi above mouth, and 3 1/2 mi southeast of Pysht.	1.51	7-19-62	.17
					8-29-62	.08
					5-22-63	1.48
					7-24-63	.38
					9-30-63	.06
					7-28-64	.29
					9-7-65	.42
					8-16-66	.05
			Deep Creek Basin			
--	Deep Creek	...Do	NW¼NW¼ sec. 20, T.31 N., R.10 W., at State Highway 112, 1/4 mi above mouth and 4 mi west of Twin.	17.3	7-19-62	6.32
					8-29-62	4.36
					5-22-63	19.5
					7-24-63	20.3
					9-9-63	3.81
					7-28-64	11.9
					9-7-65	3.33
					8-16-66	4.65

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			West Twin River Basin			
102	West Twin River	...Do	NW¼SE¼ sec. 23, T.31 N., R.10 W., at State Highway 112 at Twin.	12.8	7-19-62	5.83
					8-29-62	5.53
					5-22-63	17.5
					7-24-63	16.1
					9-9-63	3.81
					7-28-64	9.86
					9-7-65	3.00
					8-16-66	5.07
			East Twin River Basin			
103	East Twin River	...Do	Lat 48°09'49", long 123°56'33", in NW¼SW¼ sec. 24, T.31 N., R.10 W., Clallam County, on right bank on downstream side of bridge on State Highway 112, 1,300 ft upstream from mouth, and 8.4 mi southeast of Pysht.	14.0	8-28-73	3.86
					6-15-77	11.3
			Murdock Creek Basin			
104	Murdock Creek	...Do	SW¼ sec. 29, T.31 N., R.9 W., at private road crossing, 1/2 mi above mouth, 4 mi east of Twin.	2.26	7-19-62	.08
					8-30-62	.06
					5-21-63	1.37
					7-23-63	.42
					9-9-63	.02
					7-27-64	.07
					9-7-65	.01
					8-16-66	.03
			Lyre River Basin			
105	Fairholm Creek	Lake Crescent	NE¼ sec. 30, T.30 N., R.9 W., 50 ft above mouth at Fairholm.	3.81	7-17-62	.37
					8-29-62	.23
					5-22-63	1.10
					7-23-63	.37
					9-9-63	.23
					7-28-64	.41
					9-8-65	.20
					8-17-66	.27
107	Lapoel Creek	Lake Crescent	SW¼NW¼ sec. 32, T.30 N., R.9 W., at U.S. Highway 101 crossing 2 1/2 mi east of Fairholm.	1.15	7-17-62	2.92
					8-29-62	.76
					5-22-63	6.42
					7-23-63	2.61
					9-9-63	.72
					7-28-64	5.90
					9-8-65	.63
					8-17-66	1.11
108	Aurora Creek	...Do	SW¼NE¼ sec. 33, T.30 N., R.9 W., at at U.S. Highway 101 crossing 4 mi east of Fairholm.	.61	7-17-62	0
					5-21-63	0
					7-23-63	0
					9-9-63	0
					7-28-64	0
					9-8-65	0
					8-17-66	0

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
109	Smith Creek	...Do	SW¼NW¼ sec. 34, T.30 N., R.9 W., at U.S. Highway 101 crossing 5 mi southeast of Fairholm.	1.38	7-16-62	0
					5-21-63	7.64
					7-23-63	0
					9-9-63	0
					9-8-65	0
					8-17-66	0
111	Falls Creek	Barnes Creek	SE¼NE¼ sec. 35, T.30 N., R.9 W., 20 ft above mouth 6 mi southeast of Fairholm.	--	9-16-64	.45
112	Barnes Creek	Lake Crescent	Lat 48°03'23", long 123°47'47", in NW¼NE¼ sec. 35, T.30 N., R.9 W., Clallam County, Olympic National Park, at U.S. Highway 101 crossing, 2.6 mi south of Piedmont, and at mile 0.2.	15.7	7-16-62	23.3
					8-27-62	8.96
					5-21-63	76.6
					7-23-63	27.5
					9-9-63	7.91
					7-28-64	38.6
					9-7-65	7.21
					8-17-66	13.3
					8-27-73	5.80
115	Lyre River	Strait of Juan de Fuca	SW¼NW¼ sec. 14, T.30 N., R.9 W., at road crossing over outlet of Lake Crescent, 3/4 mi west of Piedmont.	48.6	7-16-62	96.6
					8-27-62	65.5
					5-21-63	186
					7-23-63	112
					9-9-63	48.9
					7-28-64	156
					9-7-65	41.3
					8-16-66	67.5
116	...Do	...Do	South line of NE¼ sec. 15, T.30 N., R.9 W., at railroad bridge below Lake Crescent at gaging station "at Piedmont," (operated Oct. 1917 to Sept. 1927).	48.5	8-31-17	67.8
					9-26-58	39.4
117	Susie Creek	Lyre River	NW¼SE¼ sec. 28, T.31 N., R.9 W., at State Highway 112, 1/4 mi above mouth, and 3 mi west of Disque.	3.56	7-19-62	.54
					8-30-62	.30
					5-21-63	2.79
					7-23-63	2.70
					9-9-63	.33
					7-27-64	.81
					7-7-65	.22
					8-16-66	.40
			Field Creek Basin			
118	Field Creek	Strait of Juan de Fuca	Center of SE ¼ sec. 26, T.31 N., R.9 W., at State Highway 112, 1 mi northwest of Disque.	3.90	7-19-62	.56
					8-30-62	.13
					5-21-63	1.84
					7-23-63	1.04
					9-9-63	.12
					7-27-64	.26
					9-7-65	.08
					8-16-66	.14

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Whiskey Creek Basin			
119	Whiskey Creek	...Do	NE¼NE¼ sec. 36, T.31 N., R.9 W., at State Highway 112, 1/4 mi east of Disque.	1.63	7-19-62	.47
					8-29-62	.18
					5-21-63	1.18
					7-23-63	.56
					9-9-63	.19
					7-27-64	.32
					9-7-65	.13
					8-16-66	.19
			Salt Creek Basin			
120	Salt Creek	...Do	Lat 48°07'08", long 123°39'43", in NW¼SE¼ sec. 2, T.30 N., R.8 W., Clallam County, at State Highway 112, and 3.5 mi southeast of Joyce.	4.09	8-18-52	.40
					9-15-52	.34
					7-16-62	.80
					8-29-62	.55
					5-21-63	1.68
					7-23-63	.97
					9-9-63	.43
					7-27-64	.64
					9-7-65	.43
					8-15-66	.50
					8-27-73	.28
121	Salt Creek tributary	Salt Creek	NE¼SW¼ sec. 2, T.30 N., R.8 W., at at State Highway 112, 1/2 mi east of Ramapo.	1.88	7-16-62	.26
					8-29-62	.16
					5-21-63	1.03
					7-23-63	.63
					9-9-63	.11
					7-27-64	.23
					9-7-65	.09
					8-15-66	.14
122	Salt Creek	Crescent Bay	NW¼NW¼ sec. 2, T.30 N., R.8 W., 1/4 mi above West Fork and 8 mi west of Port Angeles.	7.07	4-25-61	5.90
					6-15-61	1.72
					7-10-61	.96
					7-25-61	.70
					8-9-61	.49
					9-9-61	.46
123	Salt Creek tributary	Salt Creek	SW¼NE¼ sec. 3, T.30 N., R.8 W., at Piedmont Road crossing at Ramapo.	2.00	9-15-52	.09
					8-9-61	.13
124	Salt Creek tributary no. 2	...Do	NW¼NW¼ sec. 3, T.30 N., R.8 W., at Piedmont Road crossing, 1/2 mi east of Ramapo.	1.49	6-18-52	.48
					7-10-52	.30
					7-29-52	.40
					8-13-52	.26
					8-18-52	.20
					9-15-52	.15
					10-7-52	.17
					8-9-61	.24

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
125	Salt Creek	Strait of Juan de Fuca	SW¼NW¼ sec. 27, T.31 N., R.8 W., 1 mi above mouth and 2 mi north of Ramapo.	15.9	6-18-52	2.99
					7-10-52	1.10
					7-29-52	1.65
					8-13-52	.52
					8-18-52	.88
					9-15-52	.73
					10-7-52	.60
					8-9-61	1.02
					7-16-62	2.84
					8-30-62	1.03
					5-21-63	7.74
					7-23-63	3.86
					9-9-63	1.15
					7-27-64	1.77
					9-7-65	.93
					8-15-66	1.12
			Coville Creek Basin			
126	Coville Creek	Freshwater Bay	SW¼SE¼ sec. 5, T.30 N., R.7 W., at State Highway 9A (Piedmont Road).	3.67	8-18-52	0
					9-15-52	0
			Elwha River Basin			
--	Idaho Creek	Elwha River	NE¼ sec. 36, T.29 N., R.7 W., 200 ft east of road and 2 mi southeast of Hurricane Hill lookout.	--	9-16-65	.01
128	Elwha River	Strait of Juan	SE¼ sec. 17, T.29 N., R.7 W., at powerplant.	245	9-7-19	53.2
129	...Do	...Do	NE¼NW¼ sec. 33 T.30 N., R.7 W., at gaging station "at McDonald bridge, near Port Angeles," (operated Oct. 1897 to Dec. 1902, Oct. 1918 to 1960).	269	7-31-18	832
					8-12-18	650
					8-27-18	526
					9-16-18	477
					9-23-18	346
					9-24-18	328
					9-30-18	475
130	Little River	Elwha River	SE¼NE¼ sec. 28, T.30 N., R.7 W., Olympic Hot Springs Road crossing, 1,000 ft above mouth and 7 mi southwest of Port Angeles.	23.0	6-16-99	84
					3-15-00	174
					5-31-00	68
					6-27-00	54
					7-20-00	28
					8-22-00	20
					10-30-00	52
					2-28-01	147
					4-29-01	55
					9-26-01	13
					10-29-01	20
					11-27-01	457
					8-19-52	13.6
					9-17-52	10.8
					8-9-61	14.8

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
133	Indian Creek	Lake Aldwell	Lat 48°04'27", long 123°40'44", in NE¼SE¼ sec. 22, T.30 N., R.8 W., Clallam County, at U.S. Highway 101 crossing, 0.3 mi (0.5 km) below Lake Sutherland outlet, and 1.3 mi (2.1 km) southeast of Maple Grove.	8.33	7-16-62	11.5
					8-27-62	9.98
					5-21-63	18.2
					7-23-63	13.6
					9-9-63	9.05
					7-28-64	19.6
					9-7-65	10.3
					8-16-66	10.4
					8-27-73	13.7
134	Indian Creek	...Do	SE¼NW¼ sec. 28, T.30 N., R.7 W., near mouth.	20	6-16-99	45
135	Elwha River	Strait of Juan de Fuca	N½ sec. 28, T.30 N., R.7 W., below Indian Creek.	312	10-25-98	586
137	...Do	...Do	SW¼NE¼ sec. 15, T.30 N., R.7 W., below Olympic powerplant at gaging station "near Port Angeles," (operated May to Sept. 1911).	315	4-10-11	1,210
					10-24-11	445
					1-20-12	1,680
					6-10-12	2,340
138	Port Angeles Industrial Canal	Elwha River (diverts from right bank)	NE¼ sec. 10, T.30 N., R.7 W., at road bridge and staff gage just below railroad bridge.	--	8-28-51	125
					10-18-51	116
					11-29-51	175
					12-5-51	161
					1-17-52	117
					2-28-52	133
					4-10-52	138
					5-15-52	158
					6-17-52	167
					8-7-52	142
					9-16-52	115
					10-30-52	130
					12-4-52	122
					1-14-53	189
					3-12-53	122
					4-16-53	111
					5-20-53	145
					7-15-53	151
					8-25-53	116
					9-24-53	103
					10-28-53	108
					12-5-53	152
					1-8-54	159
					2-19-54	190
					3-23-54	120
					5-14-54	141
					6-23-54	138
					7-26-54	145

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
139	Elwha River	Strait of Juan de Fuca	Lat 48°06'52", long 123°33'08", in NW¼NE¼ sec. 10, T.30 N., R.7 W., Clallam County, Olympic National Forest, 1.8 mi downstream from powerplant, 3.1 mi upstream from mouth, 5.7 mi west of Port Angeles ferry terminal.	318	12-5-51	1,780
					1-17-52	505
					2-28-52	983
					4-10-52	913
					4-10-52	1,150
					5-15-52	1,970
					6-17-52	2,080
					8-6-52	1,020
					9-16-52	384
					10-7-54	954
					3-18-58	861
					4-23-58	861
					6-3-58	2,720
					7-21-58	951
					8-27-58	597
					10-2-58	288
					12-14-61	965
					3-6-63	1,310
					6-4-64	3,440
					10-28-64	409
					8-5-65	676
					1-20-66	1,350
					7-6-66	1,920
					1-24-67	2,020
					9-7-67	412
					2-13-68	2,630
					9-6-68	618
					4-16-69	1,730
					12-4-69	816
					6-16-70	1,890
141	Unnamed tributary	Elwha West Sough	Lat 48°08'40", long 123°33'17", on south line of SW¼SE¼ sec. 27, T.31 N., R.7 W., Clallam County, at road crossing, 2.1 mi northwest of Port Angeles city limits.	--	3-18-76	.94
					4-28-76	.74
					6-1-76	1.15
					7-7-76	1.61
					9-2-76	.61
					11-2-76	.43
					1-6-77	1.42
					2-2-77	2.27
					3-23-77	1.29
			Dry Creek Basin			
144	Dry Creek	...Do	SW¼NE¼ sec. 12, T.30 N., R.7 W., at State Highway 9A.	2.69	9-18-52	0
					9-15-52	0
			Tumwater Creek Basin			
145	Tumwater Creek	Port Angeles Harbor	SE¼SE¼ sec. 4, T.30 N., R.6 W, at at small wooden bridge, 1,000 ft above mouth, in Port Angeles.	5.54	2-16-49	490

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
146	...Do	...Do	SE¼NE¼ sec. 4, T.30 N., R.6 W., at at culvert, 500 ft above mouth, in Port Angeles.	5.59	6-18-52	2.15
					7-10-52	1.39
					7-29-52	1.21
					8-13-52	.93
					8-19-52	1.04
					9-17-52	.94
					10-7-52	.85
					4-25-61	4.15
					6-15-61	2.42
					7-10-61	1.48
					7-25-61	1.16
					8-9-61	1.07
					9-9-61	1.18
			Valley Creek Basin			
147	East Valley Creek	Valley Creek	SW¼NW¼ sec. 22, T.30 N., R.6 W., above earth dam, 1.7 mi south of of Port Angeles city limits.	.40	1-15-61	15.6
148	...Do	...Do	SW¼NW¼ sec. 22, T.30 N., R.6 W., 300 ft below earth dam, 1.7 mi south of Port Angeles city limits.	--	1-15-61	61
150	Valley Creek	Port Angeles Harbor	SW¼ sec. 3, T.30 N., R.6 W., 200 ft above culvert and 500 ft above mouth, in Port Angeles.	4.20	8-19-52	.31
					9-17-52	.23
					8-9-61	.34
			Peabody Creek Basin			
151	Peabody Creek	Port Angeles Harbor	NW¼NE¼ sec. 10, T.30 N., R.6 W., at culvert 2 blocks east of Lincoln Street, 1/4 mi above mouth, in Port Angeles.	2.55	2-16-49	279
					8-20-52	9.93
			Ennis Creek Basin			
152	Ennis Creek	...Do	NE¼sec. 3, T.29 N., R.6 W., at Heart O The Hills road crossing at Heart O The Hills campground 4 1/2 mi south of Port Angeles.	--	9-15-65	2.44
153	Ennis Creek	...Do	NE¼SW¼ sec. 12, T.30 N., R.6 W., at road crossing, 1 mi above mouth and 1 mi east of Port Angeles.	7.92	11-6-52	2.39
					5-25-61	18.0
					6-15-61	15.1
					7-10-61	8.95
					7-25-61	6.07
					8-9-61	4.98
					9-9-61	3.60
154	White Creek	Ennis Creek	NE¼SE¼ sec. 11, T.30 N., R.6 W., at U.S. Highway 101 crossing, at east city limits of Port Angeles.	2.22	8-19-52	.08
					9-17-52	.11
					9-9-61	.05

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
155	Ennis Creek	Port Angeles Harbor	NE¼NE¼ sec. 11, T.30 N., R.6 W., at railroad bridge at Rayonier Company plant at Port Angeles.	10.5	2-25-50	1,980
			Lees Creek Basin			
156	Lees Creek	Strait of Juan de Fuca	SE¼SE¼ sec. 12, T.30 N., R.6 W., U.S. Highway 101 crossing, 2 mi east of Port Angeles.	4.77	8-9-61	.24
			Morse Creek Basin			
159	Morse Creek	Strait of Juan de Fuca	SW¼SW¼ sec. 8, T.30 N., R.5 W., near U.S. Highway 101 crossing, 4 mi east of Port Angeles.	--	6-3-99	242
					7-6-99	189
					9-15-99	62
					9-10-00	51
					3-8-01	173
					5-1-01	169
					8-1-01	122
					8-29-01	78
					9-28-01	50
					8-25-25	39.9
					5-25-61	201
					6-15-61	168
					7-10-61	90.1
					7-25-61	82.5
					8-9-61	39.7
					9-9-61	19.5
160	...Do	...Do	NE¼SW¼ sec. 8, T.30 N., R.5 W., 1/4 mi below U.S. Highway 101.	56.4	7-10-52	104
					7-29-52	47.2
					8-13-52	30.0
					8-19-52	24.6
					9-17-52	10.5
					10-8-52	6.34
			Bagley Creek Basin			
161	Bagley Creek	...Do	NE¼NW¼ sec. 16, T.30 N., R.5 W., U.S. Highway 101 crossing, 5 mi east of Port Angeles.	5.32	9-10-47	.63
					2-16-49	436
					8-19-52	.63
					9-17-52	.96
					8-9-61	.61
			Siebert Creek Basin			
162	Siebert Creek	...Do	NW¼SE¼ sec. 14, T.30 N., R.5 W., at gaging station "near Port Angeles.	16.1	2-16-49	1,340
164	Agnew Irrigation Ditch diversion from Dungeness River	Siebert Creek	NW¼NW¼ sec. 12, T.29 N., R.4 W., 4 mi southwest of Sequim.	--	9-15-22	6.82
					9-13-45	9.05

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
165	Siebert Creek	Strait of Juan de Fuca	SE¼SW¼ sec. 2, T.30 N., R.5 W., 0.1 mi upstream of mouth, 9.0 mi northwest of Sequim.	19.4	9-11-78	5.67
					10-12-78	2.87
					11-13-78	3.18
					12-15-78	10.7
					1-15-79	4.41
					2-15-79	32.4
					3-16-79	19.8
					4-16-79	19.9
					5-14-79	6.14
					6-19-79	3.83
					7-16-79	2.24
					8-17-79	1.96
					9-18-79	2.39
			McDonald Creek Basin			
166	McDonald Creek	...Do	NE¼SW¼ sec. 30, T.30 N., R.4 W., 100 ft upstream of diversion from Agnew Irrigation Ditch to stream, 6.7 mi west of Sequim.	13.0	9-12-78	3.88
					10-12-78	1.88
					11-13-78	3.46
					12-14-78	10.1
					1-16-79	3.58
					2-16-79	16.4
					3-15-79	19.6
					4-17-79	27.0
					5-15-79	9.61
					6-19-79	3.43
167	Agnew Irrigation Ditch diversion to McDonald Creek	McDonald Creek	SE¼NW¼ sec. 30, T.30 N., R.4 W., 6.6 mi west of Sequim.	--	9-12-78	1.82
					10-12-78	3.62
					11-13-78	2.10
					12-14-78	3.11
					1-16-79	0
					2-16-79	1.81
					3-15-79	1.01
					4-17-79	0
					5-15-79	0
					6-19-79	5.25
168	McDonald Creek	Strait of Juan de Fuca	SE¼SE¼ sec. 18, T.30 N., R.4 W., above diversion flume above U.S. Highway 101.	21.3	7-11-52	6.88
					7-29-52	5.93
					9-11-52	6.26
					9-17-52	6.04
					10-8-52	4.97
					5-25-61	24.7
					6-15-61	12.9
					7-10-61	10.3
					7-25-61	8.80
					8-8-61	9.10
					9-9-61	7.48

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
169	Diversion from McDonald Creek	--	SE¼SE¼ sec. 18, T.30 N., R.4 W., at U.S. Highway 101.	--	9-11-52 9-17-52	5.83 5.43
170	McDonald Creek	Strait of Juan de Fuca	SE¼SE¼ sec. 18, T.30 N., R.4 W., below diversion flume at U.S. Highway 101.	21.3	9-10-47 7-29-52	1.10 .62
171	McDonald Creek	...Do	SW¼NE¼ sec. 5, T.30 N., R.4 W., 0.1 mi upstream of mouth, 6.3 mi northwest of Sequim.	22.9	9-11-78 10-12-78 11-13-78 12-14-78 1-15-79 2-16-79 3-15-79 4-17-79 5-15-79 6-19-79 7-16-79 9-17-79 9-17-79	10.9 7.70 5.88 15.1 4.28 22.5 21.1 27.6 8.24 2.90 3.89 1.79 3.86
			New Dungeness Harbor Tributaries			
172	Unnamed tributary to New Dungeness Harbor	New Dungeness Harbor	NW¼NW¼ sec. 34, T.31 N., R.4 W., 0.2 mi upstream of mouth, 5.8 mi northwest of Sequim.	.17	9-11-78 10-12-78 11-13-78 12-14-78 1-15-79 2-15-79 3-16-79 4-16-79 5-14-79 6-18-79	2.84 .31 1.05 .97 .05 .79 .09 2.43 3.73 .31
			Dungeness River Basin			
--	Gold Creek	Dungeness River	Lat 47°55'15", long 123°02'30", near center of E 1/2 sec. 15, T.28 N., R.3 W., Clallam County at logging road, 7.5 mi southwest of Blyn.	2.28	4-19-66 2-24-67 5-19-75	5.52 3.76 5.62
173	Dungeness River	New Dungeness Bay	Center of sec. 12, T.29 N., R.4 W., at gaging station "near Sequim."	156	9-12-22 10-18-30	177 197

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
174	Canyon Creek near Sequim	Dungeness River	SE¼NW¼ sec. 12, T.29 N., R.4 W., 0.1 mi upstream of mouth, 4.2 mi southwest of Sequim.	11.9	6-19-52	4.85
					7-11-52	3.77
					8-7-52	2.58
					8-20-52	1.87
					9-16-52	1.72
					10-9-52	1.49
					5-25-61	12.5
					6-15-61	6.28
					7-10-61	4.22
					7-25-61	2.61
					8-8-61	2.08
					9-9-61	1.76
					9-12-78	3.45
					10-13-78	1.77
					11-13-78	1.93
					12-14-78	11.7
					1-16-79	1.65
					2-15-79	22.5
					3-15-79	22.0
					4-17-79	25.7
					5-15-79	9.22
					6-18-79	4.31
					7-16-79	2.75
					8-17-79	1.74
					9-17-79	1.78
175	Dungeness River	New Dungeness Bay	NE¼NE¼ sec. 2, T.29 N., R.4 W., at gaging station "below Canyon Creek".	170	7-28-98	336
					8-10-22	262
					11-8-22	125
					2-6-23	169
176	Bear Creek	Dungeness River	NW¼SW¼ sec. 35, T.30 N., R.4 W., above Agnew Irrigation Ditch diversion (leakage) to creek.	1.09	9-12-78	.08
					10-13-78	.03
177	...Do	...Do	NW¼SW¼ sec. 35, T.30 N., R.4 W., below Agnew Irrigation Ditch diversion (leakage) to creek.	1.09	9-12-78	.28
					10-13-78	.62
178	Unnamed tributary to Bear Creek	Bear Creek	SW¼NW¼ sec. 35, T.30 N., R.4 W., above Agnew Irrigation Ditch diversion to creek.	1.14	9-12-78	Trace
					10-13-78	Trace
179	Diversion from Agnew Irrigation Ditch to unnamed tributary to Bear Creek.	unnamed tributary to Bear Creek	SW¼NW¼ sec. 35, T.30 N., R.4 W., at point of diversion.	--	9-12-78	.54
					10-13-78	.09

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
180	Bear Creek	Dungeness River	NW¼SE¼ sec. 26, T.30 N., R.4 W., 0.1 mi upstream of mouth, 2.7 mi southwest of Sequim.	3.75	9-12-78	.66
					10-13-78	.21
					11-13-78	Trace
					12-14-78	.70
					1-16-79	.39
					2-15-79	1.32
					3-15-79	1.52
					4-17-79	.72
					5-15-79	.02
					6-18-79	.34
181	Dungeness River	New Dungeness Bay	SE¼SE¼ sec. 23, T.30 N., R.4 W., at U.S. Highway 101.	178	12-14-71	227
					2-8-72	161
					4-10-72	421
					6-12-72	717
					8-7-72	306
					9-12-78	461
					10-12-78	104
					11-13-78	126
					12-13-78	129
					1-16-79	73.2
					2-15-79	203
					3-15-79	345
					4-16-79	209
					5-15-79	342
					6-18-79	186
					7-16-79	150
					8-14-79	52.1
					9-11-79	140
182	...Do	...Do	SE¼SE¼ sec. 2, T.30 N, R.4 W, at Woodcock Bridge.	180	8-5-52	202
					8-21-52	64.3
					9-12-78	440
					10-13-78	98.3
					11-13-78	120
					12-13-78	120
					1-16-79	64.2
					2-15-79	203
					3-15-79	377
					4-16-79	216
					5-15-79	333
					6-18-79	193
					7-16-79	164
					8-14-79	48.8
					9-11-79	141

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
183	Hurd Creek	Dungeness River	SW¼SW¼ sec. 1, T.30 N., R.4 W., at Woodcock Road (measurements by Washington State Department of Fisheries.	.88	5-7-51	2.6
					5-10-51	2.6
					5-14-51	2.1
					5-18-51	2.6
					5-23-51	3.1
					5-28-51	2.1
					5-31-51	2.1
					6-4-51	3.4
					6-8-51	3.6
					6-12-51	4.5
					6-29-51	4.5
					7-3-51	4.2
					7-7-51	4.2
					7-10-51	4.8
					7-29-51	4.8
					8-3-51	5.0
					8-7-51	5.4
					8-12-51	5.4
					8-16-51	5.0
					8-22-51	4.8
					9-2-51	4.8
					9-6-51	5.4
					9-10-51	6.3
					9-30-51	6.3
					10-5-51	6.6
					10-11-5	6.6
					10-16-51	6.3
					10-21-51	6.3
					1-4-52	3.6
					3-11-52	3.6
					3-19-52	3.1
					4-18-52	3.1
					4-26-52	2.6
					4-30-52	2.1
					5-5-52	2.1
184	...Do	...Do	NW¼SW¼ sec. 1, T.30 N., R.4 W., 0.1 mi upstream of mouth, 3.5 mi northwest of Sequim.	.95	9-12-78	7.90
					10-13-78	5.71
					11-13-78	6.00
					12-14-78	5.18
					1-16-79	5.26
					2-15-79	6.14
					3-15-79	6.74
					4-17-79	5.49
					5-15-79	6.20
					6-18-79	6.45
					7-16-79	8.45
					8-17-79	7.16
					9-17-79	6.69

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
185	Matriotti Creek	...Do	SE¼NE¼ sec. 28, T.30 N., R.4 W., above Agnew Irrigation Ditch diversion (leakage) to creek.	1.96	9-12-78 10-13-78	0 0
186	...Do	...Do	SE¼NE¼ se. 28, T.30 N., R.4 W., below Agnew Irrigation Ditch diversion (leakage) to creek.	1.96	9-12-78 10-13-78	.95 Trace
187	...Do	...Do	NW¼NW¼ sec. 27, T.30 N, R.4 W., at Keeting Road.	2.38	8-8-61	.05
188	...Do	...Do	SE¼SW¼ sec. 10, T.30 N., R.4 W., at Old Olympic Highway.	5.31	9-9-47	7.69
189	...Do	...Do	NE¼SE¼ sec. 35, T.31 N., R.4 W., at Ward Road.	13.6	6-19-52 7-11-52 8-4-52 8-21-52 9-17-52 10-8-52 5-25-61 6-25-61 10-12-78 11-13-78 12-13-78 1-16-79 2-15-79 3-15-79 4-16-79 5-15-79 6-18-79 7-16-79 8-14-79 9-11-79	20.0 19.6 17.9 14.4 15.0 11.9 7.11 15.9 11.3 11.2 15.0 11.5 16.1 12.8 12.5 17.0 19.4 20.4 10.9 15.4
190	Dungeness River	New Dungeness Bay	NW¼NE¼ sec. 36, T.31 N., R.4 W., at gaging station "at Dungeness."	197	7-29-98 9-17-98	327 183
191	Meadowbrook Creek	Dungeness River	On east line NE¼NE¼ sec. 36, T.31 N., R.4 W., at road crossing in Dungeness.	.53	9-10-47 8-20-52 8-8-61 9-12-78 10-12-78 11-14-78 12-15-78 1-15-79 2-16-79 3-16-79 4-16-79 5-14-79 6-19-79 7-17-79 8-16-79 9-18-79	7.18 4.23 5.42 4.31 4.58 5.74 4.70 4.95 5.31 5.16 3.99 5.56 4.41 4.16 4.19 4.28

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
			Strait of Juan de Fuca			
199	Cassalery Creek	Strait of Juan de Fuca	NW¼SW¼ sec. 5, T.30 N., R.3 W., at State Highway 9F.	3.19	8-21-52	16.5
					8-8-61	7.62
200	...Do	Strait of Juan de Fuca	NW¼NW¼ sec. 5, T.30 N., R.3 W., at Jamestown Road.	3.39	9-11-78	5.18
					10-13-78	4.89
					11-14-78	5.04
					12-15-78	5.04
					1-15-79	4.80
					2-16-79	4.87
					3-16-79	5.28
					4-16-79	4.82
					5-14-79	3.71
					6-19-79	3.93
					7-17-79	5.40
					8-16-79	5.14
					9-18-79	6.18
201	Gierin Creek	...Do	On south line SW¼SW¼ sec. 9, T.30 N., R.3 W., at Holland Road	3.13	8-21-52	13.4
					8-8-61	8.30
202	Unnamed tributary to Gierin Creek	Gierin Creek	On south line SW¼SW¼ sec. 9, T.30 N., R.3 W., at Holland Road.	.19	8-21-52	.76
203	Gierin Creek	Strait of Juan de Fuca	SW¼SW¼ sec. 9, T.30 N., R.3 W., 0.2 mi downstream of Holland Road.	3.49	9-11-78	6.14
					10-13-78	4.63
					11-14-78	3.97
					12-15-78	3.82
					1-15-79	2.94
					2-16-79	3.01
					3-16-79	2.54
					4-16-79	2.45
					5-14-79	4.70
					6-19-79	2.95
					7-17-79	4.62
					8-16-79	3.05
					9-18-79	3.88
			Sequim Bay Tributaries			
204	Highland Irrigation Ditch	Bell Creek	NW¼NW¼ sec. 1, T.29 N., R.4 W., at logging road crossing.	--	9-15-22	6.8
205	Bell Creek	Sequim Bay	NW¼NW¼ sec. 22, T.30 N., R.3 W., 2.1 mi east of Sequim.	8.86	9-24-42	4.88
					8-21-52	3.78
					8-8-61	4.53
					9-11-78	4.84
					10-13-78	4.12
					11-14-78	4.70
					12-15-78	5.58
					1-15-79	4.10
					2-16-79	7.67
					3-16-79	8.53

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
205 (cont.)	Bell Creek	Sequim Bay	NW¼NW¼ sec. 22, T.30 N., R.3 W., 2.1 mi east of Sequim.	8.86	4-16-79	9.24
					5-14-79	8.88
					6-19-79	7.10
					7-17-79	8.59
					8-16-79	3.08
					9-18-79	5.51
206	Johnson Creek	...Do	NW¼SW¼ sec. 27, T.30 N., R.3 W., 200 ft below U.S. Highway 101.	4.72	7-11-52	5.77
					8-7-52	1.86
					8-20-52	.24
					9-10-52	1.08
					10-9-52	1.82
					5-26-61	4.90
					6-16-61	6.89
					7-9-61	4.06
					7-25-61	.28
					8-8-61	.92
					9-9-61	1.44
207	Unnamed tributary to Johnson Creek	Johnson Creek	NE¼SE¼ sec. 28, T.30 N., R.3 W., at U.S. Highway 101.	.72	9-10-52	0
208	Sequim Bay tributary	Sequim Bay	SW¼SE¼ sec. 27, T.30 N., R.3 W., at road crossing at mouth.	.42	8-21-52	1.12
209	Sequim Bay tributary No. 2	...Do	NE¼SW¼ sec. 35, T.30 N., R.3 W., at U.S. Highway 101.	1.33	8-20-52	0
210	Sequim Bay tributary	...Do	NW¼ sec. 2, T.29 N., R.3 W., at U.S. Highway 101 crossing, at Sequim Bay State Park.	--	8-9-61	0
			Dean Creek Basin			
211	Dean Creek	...Do	SW¼NW¼ sec. 12, T.29 N., R.3 W., at old highway, 50 ft east of U.S. Highway 101, at Blyn.	2.96	6-16-52	.17
					8-20-52	0
					9-10-52	0
					8-10-61	.08
			Sequim Bay Tributaries			
212	Sequim Bay tributary no. 3	...Do	NE¼SW¼ sec. 12, T.29 N., R.3 W., at U.S. Highway 101 at Blyn.	.85	9-10-52	0
			Jimmycomelately Creek Basin			
--	East Fork Jimmycomelately Creek	Jimmycomelately Creek	SW¼ sec. 24, T.29 N., R.3 W., at road crossing 1/2 mi above mouth.	3.47	8-20-52	.71
					9-10-52	.62

TABLE 9.--Records of miscellaneous stream-flow measurement sites in Clallam County--continued

Site number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cubic feet per second)
213	Jimmycomelately Creek	Sequim Bay	SE¼NE¼ sec. 13, T.29 N., R.3 W., 1 mi above mouth and 1 mi south of Blyn.	14.6	5-24-61	12.5
					6-16-61	3.44
					6-16-61	3.15
					6-16-61	3.01
					6-16-61	3.18
					7-9-61	3.54
					7-9-61	3.30
					7-26-61	1.84
					8-10-61	1.24
					9-10-61	1.08
			Salmon Creek Basin			
--	Salmon Creek	Discovery Bay	NW¼NW¼ sec. 32, T.29 N., R.2 W., at crossing of Snow Creek Road, 4 1/2 mi southwest of Maynard.	4.69	8-20-52	.31
					9-10-52	.30

TABLE 10.--Month-end reservoir contents of Lake Mills, 1927-78

ELWHA RIVER BASIN

12045000. Lake Mills at Glines Canyon, near Port Angeles, Wash. (Map number: 127)

LOCATION.--Lat 48°00'08", long 123 35'55", in SW¼SE¼ sec.17, T.29 N., R.7 W., Clallam County, Olympic National Park, at Glines Canyon Dam on Elwha River 2 miles upstream from Griff Creek, 4.1 miles south of Elwha, and 11 miles southwest of Port Angeles.

DRAINAGE AREA.--245 sq mi.

PERIOD OF RECORD.--April 1927 to current year.

GAGE.--Nonrecording gage. Datum of gage is 19.67 ft below mean sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 39,940 acre-ft Dec. 22, 1936, gage height, 613.0 ft; minimum observed since reservoir first filled in May 1927, 24,290 acre-ft Nov. 14, 1929, gage height, 574.4 ft.

REMARKS.--Reservoir is formed by concrete dam, completed in 1927; storage began Apr. 1, 1927. Total capacity, 37,790 acre-ft at gage height 608 ft (top of gates). Dead storage below gage height 579 ft, 26,000 acre-ft. Figures given herein represent total contents. Water is used for power by Crown Zellerbach Corp.

COOPERATION.--Gage-height record furnished by Crown Zellerbach Corp.

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1927	--	--	--	--	--	--	20,060	35,260	35,520	36,610	36,770	36,560
1928	37,780	37,490	36,230	38,390	36,740	38,520	38,440	38,520	38,390	35,820	31,630	31,110
1929	34,900	37,120	37,580	32,360	29,070	37,450	36,610	38,050	38,090	38,350	35,650	34,290
1930	27,800	25,700	38,220	34,570	38,690	38,740	32,440	38,050	38,130	36,280	34,900	36,610
1931	38,440	38,690	37,830	38,310	38,610	38,560	38,690	38,780	38,650	36,320	38,260	37,240
1932	38,330	38,740	37,600	38,180	38,590	38,780	37,200	38,760	38,610	34,820	35,130	35,460
1933	36,030	38,130	38,740	38,560	38,560	35,520	38,560	38,390	38,560	38,650	37,290	38,650
1934	38,760	36,550	38,350	38,160	38,480	38,650	38,610	38,650	36,680	36,970	37,220	35,020
1935	38,780	35,210	38,840	36,190	38,740	34,530	32,990	38,740	38,670	38,370	36,970	35,840
1936	35,520	36,570	38,970	36,420	37,940	35,710	38,890	38,890	38,820	37,880	37,390	31,710
1937	29,490	32,910	38,050	31,850	37,540	35,960	36,550	38,760	38,500	36,970	38,200	35,400
1938	37,920	38,370	35,460	38,710	38,540	35,380	37,850	38,650	38,560	37,920	33,140	33,300
1939	38,610	37,120	38,310	38,560	35,940	37,880	38,560	38,910	38,910	38,820	37,030	34,660
1940	34,700	37,960	38,560	38,860	38,910	38,820	38,560	38,820	37,290	38,130	35,350	37,450
1941	37,200	37,580	38,650	38,860	38,780	38,440	37,080	38,390	36,450	37,030	38,130	36,400
1942	35,270	38,820	38,690	37,710	32,520	30,750	30,950	37,830	36,870	35,980	35,400	30,470
1943	33,550	38,740	38,820	37,660	38,440	38,740	38,310	38,820	38,950	38,130	37,710	34,450
1944	36,870	36,870	37,290	38,560	36,780	36,490	36,780	38,820	35,610	35,900	34,700	36,070
1945	38,820	38,740	38,130	38,310	37,750	37,790	38,910	38,740	37,120	38,260	35,940	35,310
1946	37,710	38,440	38,390	38,480	38,520	37,960	38,650	38,740	38,860	38,820	36,700	35,940
1947	34,330	38,780	38,310	38,860	38,820	38,390	38,820	38,560	38,820	38,310	37,790	37,540
1948	38,690	37,290	38,520	37,830	38,820	37,370	37,030	38,480	38,560	38,910	37,370	37,960
1949	37,540	38,560	37,710	35,440	38,860	37,290	38,260	38,310	38,740	38,910	36,910	35,350
1950	36,360	38,740	38,690	37,920	38,650	36,320	36,110	38,740	38,390	38,740	36,530	37,240
1951	38,520	38,520	38,560	38,860	38,310	37,830	38,000	38,260	38,690	38,440	37,160	38,650
1952	38,220	38,740	38,180	38,990	38,350	37,750	39,080	38,350	38,480	38,860	38,310	35,110
1953	32,930	33,140	38,310	38,650	38,130	36,740	38,440	38,560	38,610	38,740	38,350	38,390
1954	38,860	38,350	38,310	37,330	38,520	36,780	35,940	38,180	38,520	39,080	38,480	36,990
1955	37,450	39,170	38,130	37,830	37,240	36,150	34,200	38,350	38,130	38,860	37,750	36,190

TABLE 10.--Month-end reservoir contents of Lake Mills, 1927-78--Continued

ELWHA RIVER BASIN--Continued

Water year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1956	38,610	37,540	36,320	36,360	36,700	37,160	38,910	38,910	38,390	38,820	37,540	38,690
1957	38,440	36,450	38,860	37,580	36,280	35,860	37,200	38,220	38,690	37,710	37,920	37,540
1958	38,650	37,540	38,480	38,310	39,040	36,280	35,190	37,830	38,690	37,880	37,660	35,650
1959	37,500	38,820	38,690	38,520	37,620	37,370	38,220	38,690	37,960	38,000	37,790	37,160
1960	37,880	39,040	38,820	38,440	38,310	38,740	37,830	37,920	38,000	38,520	37,120	37,330
1961	37,920	37,750	38,050	38,350	38,480	38,480	37,200	38,820	37,790	38,130	38,180	36,610
1962	36,780	38,350	38,860	37,290	35,560	34,660	37,790	37,330	38,090	38,740	37,580	38,310
1963	36,780	38,350	38,390	37,330	38,740	38,350	36,110	38,520	37,330	37,660	37,540	37,290
1964	38,520	38,860	38,820	38,520	37,160	36,820	34,370	38,820	38,690	38,860	38,260	38,690
1965	37,330	37,790	37,500	38,480	38,740	36,320	38,950	38,520	36,280	37,450	37,290	36,530
1966	37,710	37,660	37,290	37,160	36,950	38,780	36,910	38,780	38,520	38,390	37,620	37,500
1967	38,050	37,960	38,740	38,560	38,610	38,990	38,520	38,000	37,660	38,740	38,390	38,390
1968	36,740	38,050	38,480	38,560	38,390	38,910	34,000	38,520	37,790	38,690	37,240	37,290
1969	38,690	38,260	38,910	38,090	34,660	38,440	38,000	38,390	38,130	38,220	37,200	38,050
1970	36,870	37,160	37,540	38,520	38,130	37,410	37,030	38,650	38,260	37,200	37,410	36,950
1971	38,560	38,260	38,740	37,960	38,740	38,910	37,790	37,200	38,820	38,820	38,910	37,660
1972	37,790	37,620	37,540	38,610	38,520	38,820	37,620	37,750	37,620	39,080	37,330	37,410
1973	32,970	33,960	38,780	38,310	38,950	33,790	36,570	38,260	38,780	38,610	38,480	38,090
1974	37,450	38,860	38,910	38,740	38,260	37,790	36,780	37,620	38,780	38,610	38,820	37,830
1975	34,660	37,880	37,580	38,690	38,820	37,580	34,610	37,540	38,820	38,520	38,740	37,920
1976	36,782	38,736	38,177	38,478	37,118	35,438	31,710	38,478	38,822	38,865	38,693	38,607
1977	38,134	36,362	38,650	38,564	37,664	36,866	38,349	38,564	38,177	38,650	38,263	36,824
1978	37,328	37,833	38,478	36,866	36,908	38,005	37,833	37,202	38,736	38,220	38,822	37,328

TABLE 11.--Summary of selected data on lakes in Clallam County

Location	Name	Physical data					Cultural data				
		Surface elevation (ft)	Area (acres)	Depth		Volume (acre-ft)	Use of lake	Land use in basin (percent)			
				Maximum (ft)	Mean (ft)			Residential	Agricultural	Forest or unproductive	Lake surface
28/4-28L	Unnamed lake	5,725	2	--	--	--	R	--	--	--	--
28/5-4A	Maiden Lake	5,550	1	--	--	--	R	--	--	--	--
-18,19,20	Unnamed lakes (10 scattered small lakes)	5,000+	--	--	--	--	R	--	--	--	--
-21	Unnamed lake #1	5,300	--	--	--	--	R	--	--	--	--
-21	Unnamed lake #2	5,800	--	--	--	--	R	--	--	--	--
-29NE[	Etta Lake	4,700	13	14	--	--	R	--	--	--	--
-29S]	Moose Lake (Grand Lake)	5,100	9	25	--	--	R	--	--	--	--
-32D	Gladys Lake	5,500	1	sh	--	--	R	--	--	--	--
28/6-2L	Unnamed lake	4,500	--	--	--	--	R	--	--	--	--
28/7-8E	Unnamed lake	4,750	1	--	--	--	R	--	--	--	--
-30B	---do.---	5,100	1	--	--	--	R	--	--	--	--
-32A	---do.---	4,650	3	--	--	--	R	--	--	--	--
-32M	---do.---	5,100	13	--	--	--	R	--	--	--	--
28/8-9P	Oyster Lake	5,175	1	--	--	--	R	--	--	--	--
-18-19	Seven Lakes	--	--	--	--	--	--	--	--	--	--
-18SW[	Soleduck Lake	3,700	31	100+	--	--	R	--	--	--	--
-18SW[	Unnamed lake #1	4,000	5	--	--	--	R	--	--	--	--
	Unnamed lake #2	4,000	1	--	--	--	R	--	--	--	--
-19E]	Morgenroth Lake	4,125	10	--	--	--	R	--	--	--	--
-19N]	Long Lake	3,850	15	60	--	--	R	--	--	--	--
-19NE[	Unnamed lake	4,350	2	--	--	--	R	--	--	--	--
-19NW[	Clear Lake	4,225	6	sh	--	--	R	--	--	--	--
-19SE[	Lake No. 8 (Eight Lake)	4,175	7	--	--	--	R	--	--	--	--

TABLE 11.--Summary of selected data on lakes in Clallam County--continued

Location	Name	Physical data					Cultural data					
		Surface elevation (ft)	Area (acres)	Depth		Volume (acre-ft)	Use of lake	Land use in basin (percent)				
				Maximum (ft)	Mean (ft)			Residential	Agricultural	Forest or unproductive	Lake surface	
-19SW[	Lunch Lake	4,475	7	65	--	--	R	--	--	--	--	
-19SW[	Round Lake	4,250	3	10	--	--	R	--	--	--	--	
-19SW[	"Y" Lake	4,600	5	sh	--	--	R	--	--	--	--	
-19J	Unnamed lake	4,650	4	--	--	--	R	--	--	--	--	
-20Q	Heart Lake	4,750	1	--	--	--	R	--	--	--	--	
-21B	Haigs Lake	4,675	5	--	--	--	R	--	--	--	--	
-30SW[	Hoh Lake	4,500	19	44	--	--	R	--	--	--	--	
28/9-9H	Mink Lake	3,080	11	--	--	--	R	--	--	--	--	
-9J/R	Intermittent lake	3,140	13	sh	--	--	R	--	--	--	--	
-11F	Hidden Lake	2,825	5	--	--	--	R	--	--	--	--	
-14J/R	Deer Lake #1	3,525	8	10	--	--	R	--	--	--	--	
	Deer Lake #2	3,525	1	sh	--	--	R	--	--	--	--	
-14L	Bogachiel Lake	3,525	1	--	--	--	R	--	--	--	--	
-16B	Unnamed lake	3,575	2	--	--	--	R	--	--	--	--	
-17G	Blackwood Lake	3,000	16	--	--	--	R	--	--	--	--	
-19D	Unnamed lake	3,100	4	--	--	--	R	--	--	--	--	
28/10-13K	Ring Lake	2,875	2	--	--	--	R	--	--	--	--	
28/13-35SE[	Undi Lake	220	15	12	--	--	R	--	--	--	--	
28/13-18E plus 28/14-13H	Unnamed lake	110	5	10	--	--	P	--	--	--	--	
29/3-4E	Byers Pond	680	--	5	--	--	R,H	--	--	--	--	-30C
Unnamed lake		1,200	5	sh	--	--	R	--	--	--	--	
29/4-15E	---do.---	1,400	1	--	--	--	R	--	--	--	--	
-28Q	---do.---	2,700	1	--	--	--	R	--	--	--	--	

TABLE 11.--Summary of selected data on lakes in Clallam County--continued

Location	Name	Physical data					Cultural data				
		Surface elevation (ft)	Area (acres)	Depth		Volume (acre-ft)	Use of lake	Land use in basin (percent)			
				Maximum (ft)	Mean (ft)			Residential	Agricultural	Forest or unproductive	Lake surface
29/6-3A	Dawn Lake (reservoir)	1,800	8	12	--	--	R,H	--	--	--	--
-15G/K	Angeles Lake (Angels Lake)	4,196	20	--	--	--	R	--	--	--	--
-34SW[	P.J. Lake	4,700	2	--	--	--	R	--	--	--	--
29/7-17Q	Mills Lake (reservoir) (Glines Canyon Reservoir)	600	450	200	--	--	E,R	--	--	--	--
29/8-15G	Happy Lake	4,875	2	--	--	--	R	--	--	--	--
-30J	Boulder Lake	4,340	8	--	--	--	R	--	--	--	--
-31A	Three Horse Lake (upper)	4,375	4	--	--	--	R	--	--	-	--
-32C	Three Horse Lake	4,140	4	--	--	--	R	--	--	--	--
-32P	Blue Lake	4,750	2	--	--	--	R	--	--	--	--
-32R	Mud Lake	4,600	--	--	--	--	R	--	--	--	--
29/9-31N	Unnamed lake	3,300	4	--	--	--	R	--	--	--	--
-34B	---do.---	3,850	1	--	--	--	R	--	--	--	--
-35F	---do.---	3,625	1	--	--	--	R	--	--	--	--
-35J	---do.---	3,875	1	--	--	--	R	--	--	--	--
-36P/Q	---do.---	4,175	4	--	--	--	R	--	--	--	--
-36R	---do.---	4,050	8	--	--	--	R	--	--	--	--
29/13-9J	Lily Pond #1	300	2	sh	--	--	R	--	--	--	--
	Lily Pond #2	300	4	sh	--	--	R	--	--	--	--
29/14-20A/B	Wentworth Lake	80	42	21	12	510	R	0	0	89	11
30/2-15G/K	Unnamed lake	25	9	--	--	--	R	--	--	--	--
-16NW[	---do.---	0	4	--	--	--	R	--	--	--	--
-29D/E	Cat Lake (Mud Lake, Carp Lake, Catfish Lake, Campbell Lake)	329	6	sh	--	--	R	--	--	--	--
-32G	Flanders Pond	200	2	10	--	--	R,H	--	--	--	--

TABLE 11.--Summary of selected data on lakes in Clallam County--continued

Location	Name	Physical data					Cultural data				
		Surface elevation (ft)	Area (acres)	Depth		Volume (acre-ft)	Use of lake	Land use in basin (percent)			
				Maximum (ft)	Mean (ft)			Residential	Agricultural	Forest or unproductive	Lake surface
30/3-6C/D	Unnamed lake	40	2	--	--	--	R	--	--	--	--
-6N	Gaskell Slough	100	8	sh	--	--	R	--	--	--	--
-20H	Blakes Pond	120	1	9	--	--	R	--	--	--	--
-23B	Unnamed lake	10	1	sh	--	--	R	--	--	--	--
-27Q	---do.---	10	3	sh	--	--	R	--	--	--	--
-31B	---do.---	520	2	--	--	--	R	--	--	--	--
-32J/R	Smith Lake (Smith Pond)	625	5	8	--	--	R,H	--	--	--	--
30/4-1N	Epperson Pond	70	1	4	--	--	R	--	--	--	--
-4J	Intermittent lake	110	1	sh	--	--	R	--	--	--	--
-15R	Unnamed lake	180	2	--	--	--	R	--	--	--	--
-36B	---do.---	400	2	--	--	--	R	--	--	--	--
30/5-7H	Unnamed lakes (2 small ponds)	200	1	--	--	--	R	--	--	--	--
-8N	Unnamed lake	50	7	10	--	--	R	--	--	--	--
-15B/C	---do.---	340	--	9	--	--	I	--	--	--	--
-17J	Winters Pond	350	4	8	--	--	R,H	--	--	--	--
-20B	Unnamed lake	460	1	--	--	--	R	--	--	--	--
-21N	---do.---	550	7	sh	--	--	R	--	--	--	--
-22L	---do.---	580	1	--	--	--	R	--	--	--	--
-36D	---do.---	775	2	--	--	--	R	--	--	--	--
-36E	Wellcome Reservoir	840	2	15	--	--	H,R	--	--	--	--
30/6-5M	Intermittent lake	275	1	sh	--	--	R	--	--	--	--
-5R	---do.---	275	3	sh	--	--	R	--	--	--	--
-15B/G	Port Angeles Reservoir	400	2	--	--	--	P	--	--	--	--
30/7-11A	Unnamed lake	325	2	--	--	--	R	--	--	--	--
-15G	Aldwell Lake (reservoir) (Backwater Lake, Lower Elwha Reservoir)	188	270	94	28	7,600	E,R	1	1	98	1

TABLE 11.--Summary of selected data on lakes in Clallam County--continued

Location	Name	Physical data					Cultural data				
		Surface elevation (ft)	Area (acres)	Depth		Volume (acre-ft)	Use of lake	Land use in basin (percent)			
				Maximum (ft)	Mean (ft)			Residential	Agricultural	Forest or unproductive	Lake surface
30/8-22Q	Sutherland Lake	525	370	86	57	21,000	R	2	1	91	7
30/9-14E	Crescent Lake	580	5,100	624	--	--	R	--	--	--	--
-31L	Eagle Lakes										
	(northernmost)	2,625	1	--	--	--	R	--	--	--	--
	(middle)	2,825	1	--	--	--	R	--	--	--	--
	(southernmost)	3,075	2	--	--	--	R	--	--	--	--
30/12-9J/K	Beaver Lake	550	44	35	19	840	R	0	0	99	1
30/13-35E	Pleasant Lake (Tyee Lake)	320	500	50	32	16,000	R	1	0	90	9
-35E/M	Unnamed lake	400	2	--	--	--	R	--	--	--	--
30/14-16L	Dickey Lake	193	500	45	25	13,000	R	0	0	95	5
-28N	Big Joes Lake (Joes Lake)	152	15	--	--	--	R	--	--	--	--
-35Q/R	Thunder Lake	280	12	sh	--	--	R	--	--	--	--
30/15-8L	Unnamed lake	30	10	--	--	--	R	--	--	--	--
-27Q	---do.---	100	3	--	--	--	R	--	--	--	--
31/3-30P	---do.---	10	17	sh	--	--	R	--	--	--	--
31/4-27N	---do.---	10	1	--	--	--	R	--	--	--	--
-33J	---do.---	80	4	--	--	--	R	--	--	--	--
-34K	Unnamed ponds # 1	85	1	--	--	--	R	--	--	--	--
	# 2	85	1	--	--	--	R	--	--	--	--
31/6-32Q/R	The Lagoon	0	19	--	--	--	R	--	--	--	--
31/7-27J/K	Beach Lake	10	7	6	--	--	R	--	--	--	--
31/8-25P/Q	Smith Lake	140	3	sh	--	--	R	--	--	--	--
31/11-34G	Pysht Mill Pond	550	1	12	--	--	R	--	--	--	--
31/13-15J/K	Lizard Lake	750	2	--	--	--	R	--	--	--	--
31/15-12W	Elk Lake	380	100	33	14	1,400	R	0	0	86	14
-18E/M	Seafield Lake	80	31	18	9	290	R	0	0	88	12
-31A	Ozette Lake	29	7,300	320	130	960,000	R	0	1	83	16
32/15-31D/E	Willoughby Lake	200	6	--	--	--	R	--	--	--	--
33/15-28B	Hobuck Lake	150	7	--	--	--	R	--	--	--	--

[1] If lake extends over more than 1/16 of a section, location is generally given for the outlet of the lake.

[2] Data from Wolcott (1973) except for lakes which include data on mean depth, volume, and land use, in which cases data are from Bortleson and others (1976). In all cases, "use of lake" data are from Wolcott (1973).

[3] E, power generation; H, domestic; I, irrigation; P, public supply; R, recreation.

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County

*, indicates value which exceeds maximum contaminant level or recommended level (table 3); T, total concentration

Site number	Data sampled	Dissolved silica (SiO_2) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO_3) (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Dissolved sulfate (SO_4) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
28/5W-1J1s	8- -76	--	0.04	0.02	--	--	4	--	--	-	4	1	0.1
	7- 5-78	--	.05	.010	--	--	--	--	--	--	--	--	.2
28/12W-6D1	9-10-64	9.1	.15	.05	6.5	2.5	3.3	0.3	41	34	3.2	2.8	.1
	12-22-64	--	--	--	8.0	1.8	--	--	35	29	--	--	--
28/13W-4Q2	3-30-71	20	.03	.02	17	3.7	4.6	.2	68	56	3.0	3.1	.1
	2-29-72	--	--	--	15	4.3	--	--	--	--	--	3.4	--
	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-4Q2,3,	7- 9-64	16	.01	.0	16	2.9	4.2	.5	59	--	3.4	4.0	1.3
& R1	11-27-68	14	.17	.011	16	6.6	5.8	.8	85	70	7.8	1.5	.1
	9-21-70	10	*.31	.000	11	4.9	3.0	.3	61	50	3.7	3.2	.3
	7- 6-72	4.6	.16	.009	18	9.2	4.4	.3	54	44	11	7.0	.1
	11- 7-75	--	.00	.00	--	--	--	--	--	--	--	--	.1
-4Q3	5-15-79	--	--	--	--	--	--	--	--	-	--	--	--
-4R1	5- 2-61	15	.07	--	22	3.3	4.3	.2	76	62	11	3.0	.2
	5-15-79	--	--	--	--	--	--	--	--	--	-	--	--
-5C1	5-14-79	--	--	--	--	--	--	--	--	--	-	--	--
28/14W-5P1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-8M1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-8M2	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-9G1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-18B1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-18F1	pre 4-3-45	7.2	--	--	1.4	2.3	--	--	--	--	--	7.1	--
-19F1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-19F2	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-19G2	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-19J1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-19P1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-20M1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-29B1	5-15-79	--	--	--	--	--	-	--	-	--	--	--	--
-30G2	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
28/15W-13K1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-13L1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
-22N1	8-14-74	21	*17	*.53	14	7.3	28	--	51	42	37	78	.1
	7-12-78	--	--	--	--	--	--	--	--	--	--	62	--
-22P1	1-18-67	--	--	--	--	--	--	--	--	--	--	66	--
	9-15-67	46	*2.2	* .05	14	10	48	2.5	94	77	2.4	78	.1
	7-10-69	--	*3.1	*.40	--	--	--	--	--	--	--	--	--
	8-11-72	9.8	.00	*.43	16	11	9.8	.5	93	76	6.7	18	.2
	8-24-72	16	*.58	*.54	19	30	12	.6	190	150	14	12	.1
-23K1	8-29-78	--	.05	.01	--	--	--	--	--	--	--	--	.1
	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-23N1	9-19-67	28	*1.3	* .05	15	6.6	8.3	.8	79	65	.4	12	.1
-23N2	1-17-67	--	--	* .05	--	--	--	--	--	--	--	12	--
	9-19-67	20	.08	--	8.2	3.5	7.5	.8	38	31	.4	13	.1
-23N3	5-21-68	--	--	--	--	--	--	--	--	--	--	11	--
-24N1	5-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-24Q1	5-25-79	--	--	--	--	--	--	--	--	--	--	--	--
29/2W-5B1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	-
-5L1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5L2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-5L3	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-6B1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-6C1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-6C2	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-6F1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-6L1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-7D1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phosphorus (P) (mg/L)	Dissolved solids (residue at 180 C)	Hardness (Ca,Mg) (mg/L)	Noncarbonate hardness (mg/L)	Specific conductance (micromhos)	pH (units)	Water temperature (C)	Color (platinum-cobalt units)	Turbidity (JTU)	Carbon dioxide (CO_2) (mg/L)	Remarks
0.8	--	--	--	56	--	126	--	--	0	0	--	--
.4	--	--	--	48	--	120	--	--	5	0	--	--
.16	0.00	--	45	26	0	81	7.4	--	0	--	2.6	Dissolved orthophosphorus (P) = 0.00 mg/L
--	--	--	--	28	0	73	6.9	--	--	--	7.0	--
.40T	--	--	80	58	2	128	7.7	8.4	0	--	2.2	Dissolved aluminum = 0.00 mg/L.
--	--	--	--	55	--	129	--	9.2	--	--	--	--
--	--	--	--	--	--	135	--	16.4	--	--	--	--
.18	--	--	80	52	4	122	7.1	--	0	--	--	--
.59	.00	.25	98T	56	--	120	7.3	10	1	2	8.5	Sample chlorinated.
.33	.03	.25	69T	48	--	74	7.2	10	9	1	7.0	--
.09	.04	.22	82T	84	40	134	7.2	--	5	1	7.0	--
.5	--	--	--	64	--	150	--	--	--	--	--	--
--	--	--	--	--	--	140	--	11.4	--	--	--	--
.09	.00	--	97	68	6	155	8.1	9.5	0	--	1.0	Dissolved orthophosphorus (P) = 0.01 mg/L. Dissolved aluminum 0.01 mg/L.
--	--	--	--	--	--	135	--	19.6	--	--	--	--
--	--	--	--	--	--	220	--	7	--	--	--	--
--	--	--	--	--	--	120	--	11.6	--	--	--	--
--	--	--	--	--	--	75	--	20	--	--	--	--
--	--	--	--	--	--	120	--	18.4	--	--	--	--
--	--	--	--	--	--	210	--	5.6	--	--	--	--
--	--	--	--	--	--	220	--	6.4	--	--	--	--
--	--	--	60T	57	--	--	6.5	--	--	--	8.3	Dissolved aluminum = 1.55 mg/L.
--	--	--	--	--	--	110	--	13	--	--	--	--
--	--	--	--	--	--	100	--	15	--	--	--	--
--	--	--	--	--	--	100	--	12	--	--	--	--
--	--	--	--	--	--	100	--	14	--	--	--	--
--	--	--	--	--	--	110	--	13	--	--	--	--
--	--	--	--	--	--	110	--	13	--	--	--	--
--	--	--	--	--	--	250	--	16	--	--	--	--
--	--	--	--	--	--	95	--	19	--	--	--	--
--	--	--	--	--	--	90	--	12	--	--	--	--
--	--	--	--	--	--	90	--	11	--	--	--	--
.8	.01	.15	229	66	24	320	7.1	--	*50	4	--	--
--	--	--	--	--	--	376	--	--	--	--	--	--
--	--	--	--	--	--	372	--	--	--	--	--	--
.02	--	--	260	76	0	420	*6.3	9.5	10	--	75	Cyanide, 0.01 mg/L. Phenol, 0.001 mg/L. ABS, 0.01 mg/L.
--	--	--	--	--	--	--	--	10	--	--	--	--
.01	.02	.23	118	84	8	136	6.6	10	5	*15	55	--
.08	.06	.39	198	120	--	180	6.8	10	*70	*45	60	Sulfide = 0.00 mg/L.
2.0	--	--	--	20	--	160	--	--	5	0	--	--
--	--	--	--	--	--	120	--	12.6	--	--	--	--
.00	--	--	118	65	0	167	6.5	9.0	5	--	40	Cyanide, 0.01 mg/L. Phenol, 0.001 mg/L. ABS, 0.01 mg/L.
--	--	--	--	--	--	126	--	--	--	--	--	---Do.----------
.20	--	--	83	35	4	113	*6.2	8.0	5	--	38	--
--	--	--	--	--	--	182	--	9.5	--	--	--	Iron taste. Some H_2S. Becomes yellow and turbid after standing several days.
--	--	--	--	--	--	100	--	14.8	--	--	--	--
--	--	--	--	--	--	100	--	10.2	--	--	--	--
--	--	--	--	--	--	300	--	16	--	--	--	--
--	--	--	--	--	--	315	--	11	--	--	--	--
--	--	--	--	--	--	355	--	16	--	--	--	--
--	--	--	--	--	--	270	--	12	--	--	--	--
--	--	--	--	--	--	242	--	21	--	--	--	--
--	--	--	--	--	--	260	--	12	--	--	--	--
--	--	--	--	--	--	234	--	21	--	--	--	--
--	--	--	--	--	--	207	--	20.4	--	--	--	--
--	--	--	--	--	--	270	--	20	--	--	--	--
--	--	--	--	--	--	315	--	21	--	--	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO) (mg/L)	Alkalinity as CaCO (mg/L)	Dissolved sulfate (SO) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
29/3W-1J1	7- 6-78	--	--	--	--	--	--	--	--	--	--	7.3	--
-1J2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-2C1	12-16-59	17	*1.7T	--	7.5	0.9	300	0.8	230	--	19	*320	1.1
-2K1	7-22-68	--	--	--	--	--	--	--	--	--	--	150	--
-2Q1	7-21-68	--	--	--	--	--	--	--	--	--	--	--	--
-3E1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-3F1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-3Q2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-3R2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-5B1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5B3	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5B4	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5C1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5C2	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-5F2	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-12A1	10- 1-68	--	--	--	--	--	--	--	--	--	--	3.6	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	6.0	--
-12A2	4-27-79	--	--	--	--	--	--	--	--	--	--	--	--
-12D1	7-23-68	--	--	--	--	--	--	--	--	--	--	9.6	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	11	--
-12F2	7-23-68	--	--	--	--	--	--	--	--	--	--	6.6	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	6.5	--
-12H1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-12H2	4-27-79	--	--	--	--	--	--	--	--	--	--	--	--
-12M1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-15E1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-31R1	10-11-78	--	.05	0.010	--	--	--	--	--	--	--	--	.1
29/4W-1M1	--	--	--	--	--	--	--	--	--	--	--	--	--
-2C1	--	--	--	--	--	--	--	--	--	--	--	--	--
29/5W-9Q1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
29/7W-9D1	6-26-78	--	.11	.010	--	--	--	--	--	--	--	--	.2
-9N1	6-26-78	--	*1.2	.010	--	--	--	--	--	--	--	--	.1
-17P1s	6- -66	--	--	*.06	--	--	--	--	--	--	--	--	--
29/8W-27K1s	8-19-69	31	*1.7	.01	6.4	1.0	30	2.0	--	--	6	8.5	1.0
	8-19-69	29	*2.4	.01	4.8	1.5	38	2.3	--	--	10	6.0	1.0
	8-19-69	40	*1.0	.00	4.0	1.5	31	.2	--	--	26	6.5	1.0
29/9W-32C1s	11-30-54	58	--	--	1.2	.0	80	2.6	--	--	34	17	1.6
	10- 4-67	58	.02	--	--	--	--	--	--	--	--	4.0	--
-32C2s	10- 4-67	52	.02	--	--	--	--	--	--	--	--	3.5	--
-32C3s	10- 4-67	57	.01	--	--	--	--	--	--	--	--	4.2	--
-32C4s	10- 4-67	47	.07	--	--	--	--	--	--	--	--	19	--
	10-22-67	38	.10	--	1.3	.2	--	--	--	--	--	11	--
	1-27-68	49	.01	--	1.2	.0	75	1.0	--	--	29	24	1.5
-32C5s	10- 4-67	43	.02	--	--	--	--	--	--	--	--	1.5	--
-32C1-5s	10- 4-67	48	.20	--	--	--	--	--	--	--	--	16	--
	3-14-78	--	.05	.010	--	--	--	--	--	--	--	--	1.3
-32C6s	10- 4-67	--	.02	--	--	--	--	--	--	--	-	4.0	--
-32D1+F1	6-26-78	--	.05	.010	--	--	--	--	--	--	--	--	--
29/13W-9E1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
-16M2	5-14-79	--	--	--	--	--	--	--	--	--	--	--	--
30/2W-15L1	2- 4-68	--	.04	.006	--	--	--	--	--	--	--	170	--
	10- 1-68	--	--	--	--	--	--	--	--	--	--	140	--
	8- 9-74	12	.00	.010	54	52	73	--	310	260	34	170	.4
-15L3	4-26-73	--	--	--	--	--	230	--	--	--	--	*880	--
	1-16-75	18	.11	.010	43	37	170	--	100	80	75	*330	.1
	2- 4-75	--	--	--	--	--	230	--	--	--	--	*650	--
	2- 4-75	--	--	--	--	--	200	--	--	--	--	*620	--
-16G1	10- 1-68	--	--	--	--	--	--	--	--	--	--	*310	--
	6- 8-71	2.5	.04	.003	120	70	66	2.7	180	140	52	*390	.1
	11-21-71	7.0	.08	.000	120	74	20	7.4	170	140	31	*330	.1
	2- 9-72	--	--	--	--	--	--	--	--	--	--	32	--
	4-25-72	1.0	*.52	.006	52	27	23	5.0	270	220	32	26	.1
	1- 9-73	13	.26	.015	30	10	38	8.2	--	--	18	42	.1
	3- 6-75	13	.13	.02	49	26	19	--	240	200	29	30	.3

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-ature (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO) (mg/L)	Remarks
--	--	--	--	--	--	390	--	--	--	--	--	--
--	--	--	--	--	--	400	--	14	--	--	--	--
0.05	--	0.22	*778	82	0	1,420	*6.0	11	10	--	--	Slight turbidity; probably due to iron.
--	--	--	*	--	--	1,300	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	Reportedly salty.
--	--	--	--	--	--	550	--	13	--	--	--	--
--	--	--	--	--	--	550	--	13	--	--	--	--
--	--	--	--	--	--	380	--	10	--	--	--	--
--	--	--	--	--	--	360	--	12	--	--	--	--
--	--	--	--	--	--	355	--	14.4	--	--	--	--
--	--	--	--	--	--	325	--	11.4	--	--	--	--
--	--	--	--	--	--	380	--	10	--	--	--	--
--	--	--	--	--	--	370	--	10	--	--	--	--
--	--	--	--	--	--	278	--	13	--	--	--	--
--	--	--	--	--	--	380	--	10	--	--	--	--
--	--	--	--	--	--	106	--	--	--	--	--	--
--	--	--	--	--	--	193	--	--	--	--	--	--
--	--	--	--	--	--	294	--	24	--	--	--	Bad taste and odor.
--	--	--	--	--	--	339	--	--	--	--	--	--
--	--	--	--	--	--	331	--	--	--	--	--	--
--	--	--	--	--	--	307	--	--	--	--	--	--
--	--	--	--	--	--	284	--	--	--	--	--	--
--	--	--	--	--	--	445	--	14	--	--	--	--
--	--	--	--	--	--	285	--	22	--	--	--	--
--	--	--	--	--	--	310	--	18	--	--	--	--
--	--	--	--	--	--	320	--	24	--	--	--	
1.3	--	--	--	120	--	300	--	--	5	0	--	--
--	--	--	--	--	--	--	--	--	--	--	--	Some "iron" problem.
--	--	--	--	--	--	--	--	--	--	--	--	Some "rust" problem.
--	--	--	--	--	--	268	--	17	--	--	--	--
.5	--	--	--	50	--	100	--	--	5	0	--	--
.2	--	--	--	68	--	135	--	--	5	0	--	--
--	--	--	--	130	--	250	--	--	--	--	--	--
.12	0.00	0.58	172	20	--	284	*9.4	46.7	4	1	0	Sample from drinking tap.
.10	.01	.12	177	18	--	296	*9.6	46.2	2	0	0	Sample from reservoir.
.20	.06	.19	155	16	--	296	*9.2	43.3	2	3	0	Sample from filter plant.
.23	--	--	262	3	0	355	*9.2	55.5	0	--	.1	--
--	--	--	--	0	--	357	*9.5	48.0	5	--	--	--
--	--	--	--	2	--	355	*9.5	44.5	5	--	--	--
--	--	--	--	2	--	354	*9.5	50.0	5	--	--	--
--	--	--	--	8	--	330	*9.3	42.0	5	--	--	--
.00	--	--	--	4	0	234	*9.1	--	--	--	.1	--
.00	--	--	252	3	0	342	*9.4	45	5	--	.1	--
--	--	--	--	5	--	25	*6.4	11.7	5	--	--	--
--	--	--	--	5	--	330	*9.4	42.0	--	--	--	Slight H_2S odor.
.8	--	--	--	20	--	348	--	--	0	0	--	--
--	--	--	--	--	--	357	--	48	--	--	--	--
.8	--	--	--	65	--	130	--	--	0	0	--	--
--	--	--	--	--	--	189	--	12.2	--	--	--	--
--	--	--	--	--	--	119	--	13.1	--	--	--	--
--	--	--	--	--	--	--	7.8	--	--	--	--	Large amount of blue-green algae (Anacystics).
--	--	--	*	--	--	1,300	--	--	--	--	--	--
.7	.00	.05	*553	350	95	740	7.2	--	6	0	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
3.5	.03	.38	*726	260	--	--	7.4	--	5	0	--	--
--	--	--	*1,440	--	--	--	--	--	--	--	--	Sampled at 13:45.
--	--	--	*1,570	--	--	--	--	--	--	--	--	Sampled at 13:00.
--	--	--	*	--	--	1,340	--	--	--	--	--	--
2.8	.00	.04	*793	590	440	1,400	7.7	10	15	0	7.1	--
2.6	.05	.37	*675	600	450	1,400	7.8	10	4	1	5.8	--
--	--	--	--	--	--	--	--	10	--	--	--	Well was 421 ft deep; changed to 321 ft.
.03	.02	.62	301	240	16	480	7.6	--	5	3	14	--
1.7	.00	.9	286	120	--	370	8.4	--	5	0	1.2	--
1.3	.00	.35	289	230	--	482	8.1	--	7	0	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO_2) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO_3) (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Dissolved sulfate (SO_4) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
30/2W-16G2	1- 9-73	21	*0.32	0.000	20	23	39	8.2	160	130	22	38	0.2
	11-14-74	16	.10	.010	50	32	17	--	270	220	27	29	.2
	3- 6-75	13	.22	.010	74	16	18	--	230	190	24	28	.3
-17G1	10-19+20-77	--	--	--	--	--	--	--	--	--	--	--	--
	10-19+20-77	--	--	--	--	--	--	--	--	--	--	--	--
-21Q1	6- 6-75	4.5	.19	.01	24	15	5.6	--	150	120	5.3	8.0	.3
	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
	5- 6-79	--	.20	.010	--	--	--	--	--	--	--	--	--
-31N1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-32C1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-32K1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-32L2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-32L3	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
-32Q2	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-33N1	4-25-79	--	--	--	--	--	--	--	--	--	--	--	--
30/3W-5B1	7-26-50	--	--	--	--	--	--	--	--	--	--	7	--
	7-24-68	--	--	--	--	--	--	--	--	--	--	2.2	--
	5-24-72	27	.12	.02	26	11	13	2.8	149	122	20	2.2	.1
	11-21-72	16	.09	.02	22	16	12	2.8	124	102	9.0	3.2	.1
	11-30-72	13	.28	*.16	11	13	19	3.0	122	100	11	4.2	.2
	7- 7-78	--	--	--	--	--	--	--	--	--	--	2.7	--
-5B2	7-24-68	--	--	--	--	--	--	--	--	--	--	5.0	--
	7- 7-78	--	--	--	--	--	--	--	--	--	--	6.5	--
-5B6	11-30-72	7.9	.06	.01	25	18	13	2.8	142	116	16	14	.1
	12- 5-72	22	.14	.01	26	12	13	3.1	137	112	13	4.5	.1
-5N1	7-24-68	--	--	--	--	--	--	--	--	--	--	4.3	--
	7- 7-78	--	--	--	--	--	--	--	--	--	--	4.0	--
-6C1	- -60	--	--	--	--	--	--	--	129	106	50	23	--
-6D1	- -73	--	*.34	--	--	--	--	--	--	--	--	--	--
-6G1	- -73	--	*.5	--	--	--	--	--	--	--	--	--	--
-6H4	8-25-75	19	.02	.00	44	13	8.2	--	165	135	24	6.8	.2
-6J3	12- 5-74	15	.00	.01	45	21	11	--	211	173	24	10	.1
-7M1	--	--	--	--	--	--	--	--	--	--	--	--	--
-7R1	- -60	--	--	--	--	--	--	--	149	122	50	4	--
	- -73	--	--	--	--	--	--	--	--	--	--	--	--
-8M1	12-27-68	15	.16	.02	46	8.7	2.6	2.3	198	162	6.8	3.0	.0
-10H1	7-24-68	--	--	--	--	--	--	--	--	--	--	5.4	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	6.3	--
-15G1	11-20-59	25	.01	--	36	13	16	2.5	207	170	5.3	5.5	.1
	5-24-60	--	--	--	--	--	--	--	204	167	--	--	--
	8- 2-68	--	--	--	--	--	--	--	--	--	--	3.8	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	4.8	--
-16B2	--	--	--	--	--	--	--	--	--	--	--	--	--
-16B3	7- 7-78	--	--	--	--	--	--	--	--	--	--	5.3	--
-17F1	- -60	--	--	--	--	--	--	--	137	112	50	2	--
-18E1	- -73	--	.0	--	--	--	--	--	--	--	--	--	--
-18R1	11-28-69	--	*1	--	--	--	--	--	--	--	--	--	--
	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
-19E1	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
-19N1	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
-20B1	7-27-50	--	--	--	--	--	--	--	--	--	--	7	--
-20L1	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
-20M1	7-28-50	--	--	--	--	--	--	--	--	--	--	9	--
-20N1	6- 9-76	--	*1	--	--	--	--	--	--	--	--	--	--
-22K1	7-24-68	--	--	--	--	--	--	--	--	--	--	6.0	--
	7- 6-68	--	--	--	--	--	--	--	--	--	--	3.7	--
-23N1	7-23-68	--	--	--	--	--	--	--	--	--	--	8.0	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	7.5	--
-24N1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-25F1	7-23-68	--	--	--	--	--	--	--	--	--	--	10	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	16	--
-25G1	4-26-79	--	--	--	--	--	--	--	--	--	--	--	--
-27B2	7-24-68	--	--	--	--	--	--	--	--	--	--	3.2	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	3.7	--
-27Q1	7-23-68	--	--	--	--	--	--	--	--	--	--	14	--
-28N1	7-28-50	--	--	--	--	--	--	--	--	--	--	39	--
-30D2	7-28-50	--	--	--	--	--	--	--	--	--	--	10	--
-32D1	7-28-50	--	--	--	--	--	--	--	--	--	--	32	--
-34A1	7- 6-78	--	--	--	--	--	--	--	--	--	--	*260	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-eture (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO_2) (mg/L)	Remarks
0.03	0.00	.35	250	140	14	348	7.2	--	2	0	19	--
1.4	.07	.57	308	260	32	534	7.6	--	4	0	--	--
1.1	.00	.11	288	250	--	480	8.0	--	5	1	--	--
--	--	--	*	--	--	37,600	7.7	--	--	--	--	Minimum values of 16 samples.
--	--	--	*	--	--	44,000	8.7	--	--	--	--	Maximum values of 16 samples.
.3	.01	.33	136	120	--	240	8.0	9	4	0	--	--
--	--	--	--	--	--	278	--	22	--	--	--	--
1.0	--	--	--	110	--	240	--	--	5	1	--	--
--	--	--	--	--	--	390	--	18	--	--	--	--
--	--	--	*	--	--	2,270	--	24	--	--	--	--
--	--	--	--	--	--	290	--	15	--	--	--	--
--	--	--	--	--	--	96	--	14	--	--	--	--
--	--	--	--	--	--	206	--	14	--	--	--	--
--	--	--	--	--	--	340	--	18	--	--	--	--
--	--	--	--	--	--	392	--	17	--	--	--	--
--	--	--	--	112	--	--	--	--	--	--	--	--
--	--	--	--	--	--	250	--	11	--	--	--	--
.23	.02	.23	175	110	--	240	7.9	--	5	0	4.0	--
.01	.00	.16	142	118	16	240	7.4	--	0	0	11.0	--
.01	.08	.98	137	80	--	220	7.3	--	5	4	10.5	--
--	--	--	--	--	--	241	--	--	--	--	--	--
--	--	--	--	--	--	366	--	--	--	--	--	--
--	--	--	--	--	--	366	--	--	--	--	--	--
.01	.01	.05	166	138	22	220	7.4	--	4	1	13	Sulfide = 0.0 mg/L.
.01	.02	.43	206	116	4	230	8.4	--	0	1	1.2	--
--	--	--	--	--	--	352	--	--	--	--	--	--
--	--	--	--	--	--	311	--	--	--	--	--	--
--	--	--	--	169	--	--	--	--	--	--	--	--
.26	--	--	--	104	--	--	7.4	--	--	--	--	--
--	--	--	--	146	--	--	7.0	--	--	--	--	--
.8	.01	.02	197	164	--	341	7.0	--	3	0	--	--
.9	--	.02	231	200	--	377	7.8	9.0	5	0	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Iron" problem; requires filter.
--	--	--	--	133	--	--	--	--	--	--	--	--
*	--	--	--	--	--	--	7.2	--	--	--	--	--
.55	.00	.22	171	150	--	288	7.1	--	7	2	40	--
--	--	--	--	--	--	401	--	--	--	--	--	--
--	--	--	--	--	--	391	--	--	--	--	--	--
.02	--	.07	206	142	--	332	7.8	--	0	--	--	--
--	--	--	--	144	--	329	8.0	--	--	--	--	--
--	--	--	--	--	--	328	--	--	--	--	--	--
--	--	--	--	--	--	325	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Polluted"; unable to use.
--	--	--	--	--	--	676	--	--	--	--	--	--
--	--	--	--	118	--	--	--	--	--	--	--	--
.12	--	--	--	120	--	--	7.6	--	--	--	--	--
--	--	--	--	68	--	--	8	--	--	--	--	--
.2	--	--	--	112	--	--	7.2	--	--	--	--	--
.2	--	--	--	140	--	--	6.9	--	--	--	--	--
.2	--	--	--	140	--	--	7.4	--	-	--	--	--
--	--	--	--	146	--	--	--	--	--	--	--	--
.2	--	--	--	112	--	--	7.0	--	--	--	--	--
--	--	--	--	142	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	358	--	--	--	--	--	--
--	--	--	--	--	--	375	--	--	--	--	--	--
--	--	--	--	--	--	499	--	--	--	--	--	--
--	--	--	--	--	--	480	--	--	--	--	--	--
--	--	--	--	--	--	954	--	18	--	--	--	--
--	--	--	*	--	--	1,050	--	--	--	--	--	--
--	--	--	*	--	--	1,010	--	--	--	--	--	--
--	--	--	*	--	--	1,220	--	15	--	--	--	--
--	--	--	--	--	--	409	--	--	--	--	--	--
--	--	--	--	--	--	370	--	--	--	--	--	--
--	--	--	--	--	--	367	--	--	--	--	--	--
--	--	--	--		18	--	--	--	--	--	--	--
--	--	--	--	--	86	--	--	--	--	--	--	--
--	--	--	--	2.60	--	--	--	--	--	--	--	--
--	--	--	*	--	--	1,120	--	--	--	--	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO_2) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO_3) (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Dissolved sulfate (SO_4) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
30/3W-34B1	10-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-34B3	11- 5-79	--	--	--	--	--	--	--	--	--	--	180	--
-34L1	2-13-76	--	*2	--	--	--	--	--	--	--	--	--	--
-35E1	10- 7-74	--	--	--	--	--	--	--	--	--	--	*380	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	*400	--
-35M1	7-23-68	--	--	--	--	--	--	--	--	--	--	20	--
-36F1	7-23-68	--	--	--	--	--	--	--	--	--	--	56	--
	7- 6-78	--	--	--	--	--	--	--	--	--	--	36	--
-36F2	4-26-79	--	--	--	--	--	--	--	--		--	--	--
-36K1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-36L1	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
-36L2	4-24-79	--	--	--	--	--	--	--	--	--	--	--	--
30/4W-1L3	5-30-73	3.5	0.12	0.01	18	16	3.2	0.4	105	86	11	1.5	0.1
-1L4	4- 3-74	12	.08	.00	25	4.0	2.8	.2	110	90	5.1	2.2	.5
-3Q1	5-17-73	12	.01	.02	41	18	12	2.0	188	154	75	5.0	.1
-5J1	7-10-78	--	--	--	--	--	--	--	--	--	--	12	--
-5L1	7-26-68	--	--	--	--	--	--	--	--	--	--	18	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	17	--
-5L2	7-26-68	--	--	--	--	--	--	--	--	--	--	13	--
-5L3	4-20-76	--	*3	--	--	--	--	--	--	--	--	--	--
-5M1	8- 2-68	--	--	--	--	--	--	--	--	--	--	7.9	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	13	--
-5P1	1-24-74	9.0	.03	*.51	64	2.3	16	3.4	300	246	.0	18	.2
	3-13-74	--	--	*.55	--	--	--	--	--	--	--	--	--
-7B1	3-27-79	--	.11	.00	--	--	--	--	--	--	--	--	--
-7K1	- -60	--	--	--	--	--	--	--	112	92	50	6	--
-8G1	- -60	--	--	--	--	--	--	--	212	174	50	8	--
-9L2	2-28-74	--	.26	*.22	--	--	--	--	--	--	--	--	--
	3-18-74	--	.05	*.08	--	--	--	--	--	--	--	--	--
-12R2	11-14-62	12	.07	--	29	6.5	4.4	.6	118	97	8.4	1.5	.1
-13Q1	7-28-50	--	--	--	--	--	--	--	--	--	--	7	--
-15M1	--	--	--	--	--	--	--	--	--	--	--	--	--
-17G1	- -60	--	--	--	--	--	--	--	115	94	50	3	--
-18A1	- -60	--	--	--	--	--	--	--	127	104	50	6	--
-20C1	- -60	--	--	--	--	--	--	--	183	150	50	8	--
-21G2	--	--	--	--	--	--	--	--	--	--	--	--	--
-21G3	--	--	--	--	--	--	--	--	--	--	--	--	--
-21G4	12-29-75	--	*1	--	--	--	--	--	--	--	--	--	--
-22H1	5-23-68	18	.16	.02	32	8.2	2.0	2.0	149	122	7.5	10	.2
	7-21-71	6.0	.00	.00	42	18	13	1.5	237	194	7.0	7.5	.1
	6-13-75	14	.18	.04	46	8.7	6.0	--	176	144	16	7.0	.5
-23J1	- -60	--	--	--	--	--	--	--	93	76	50	2	--
-23Q5	--	--	--	--	--	--	--	--	--	--	--	--	--
-24R1	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
-25A1	5-27-73	11	.18	.01	46	12	11	1.1	--	--	10	171	.1
-25A2	6- 3-73	4.0	.10	.00	34	20	8.9	1.4	146	120	17	3.0	.1
-25F1	- -73	--	*2	--	--	--	--	--	--	--	--	--	--
-26J1	11-11-75	--	.01	--	--	--	--	--	--	--	--	--	--
-26R1	- -73	--	.2	--	--	--	--	--	--	--	--	--	--
30/5W-2R1	7-30-68	--	--	--	--	--	--	--	--	--	--	7.7	--
-10A1	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-10F1	12-31-65	21	.15	.001	38	15	6.0	2.2	170	--	11	14	.2
	12-21-71	23	*.52	.000	84	37	37	1.4	240	200	27	140	.1
	3- 6-78	--	.05	.010	--	--	12	--	--	--	--	11	.1
	3- 5-79	--	.05	.010	--	--	20	--	--	--	--	*290	.2
-12A1	7-30-68	--	--	--	--	--	--	--	--	--	--	21	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	6.8	--
-12C1	7-30-68	--	--	--	--	--	--	--	--	--	--	7.0	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	7.6	--
-12L1	- -60	--	--	--	--	--	--	--	110	90	50	5	--
-13E1	- -60	--	--	--	--	--	--	--	71	58	50	5	--
-13K1	- -60	--	--	--	--	--	--	--	159	130	50	6	--
-18F1	5-18-79	--	--	--	--	--	--	--	--	--	--	--	--
-19Q2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-19Q3	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-20B1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-21B1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-23C1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-ature (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO) (mg/L)	Remarks
--	--	--	--	--	--	--	--	--	--	--	--	Salty water at 320-340 ft.
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	34	--	--	*9	--	.	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	*	--	--	1,580	--	--	--	--	--	--
--	--	--	--	--	--	607	--	--	--	--	--	--
--	--	--	--	--	--	601	--	--	--	--	--	--
--	--	--	--	--	--	520	--	--	--	--	--	--
--	--	--	--	--	--	655	--	14	--	--	--	--
--	--	--	--	--	--	280	--	24	--	--	--	--
--	--	--	--	--	--	260	--	26	--	--	--	--
--	--	--	*	--	--	2,900	--	16	--	--	--	--
0.09	0.01	0.07	106	110	24	130	7.2	--	7	0	--	--
1.7	.00	.1	109	80	--	160	7.6	--	5	0	--	--
.16	.04	.01	319	176	22	312	*8.6	--	0	1	1.1	--
--	--	--	--	--	--	359	--	10.1	--	--	--	--
--	--	--	--	--	--	484	--	--	--	--	--	--
--	--	--	--	--	--	482	--	--	--	--	--	--
--	--	--	--	--	--	430	--	--	--	--	--	--
--	--	--	--	154	--	--	7.5	--	--	--	--	--
--	--	--	--	--	--	325	--	--	--	--	--	--
--	--	--	--	--	--	429	--	10.2	--	--	--	--
1.5	.01	1.2	263	169	--	390	8.2	--	7	0	3.5	--
2.0	.01	1.4	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	200	--	--	10	*10	--	--
--	--	--	--	93	--	--	--	--	--	--	--	--
--	--	--	--	166	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
.28	--	.02	122	100	3	205	6.9	9.5	--	--	--	--
--	--	--	--	122	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Rust and iron" problems.
--	--	--	--	45	--	--	--	--	--	--	--	--
--	--	--	--	111	--	--	--	--	--	--	--	--
--	--	--	--	144	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Rust" problem.
--	--	--	--	--	--	--	--	--	--	--	--	---DO.----
--	--	--	--	120	--	--	7.5	--	--	--	--	--
.32	.01	.05	154	122	--	240	7.2	--	4	2	19.0	--
2.3	.01	.19	110	182	--	292	7.4	10	1	1	21.0	--
.5	.01	.08	186	152	--	316	7.1	--	5	0	--	--
--	--	--	--	85	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Rust" problem.
1	--	--	--	140	--	--	7.5	--	--	--	--	--
1.1	.03	.02	263	164	--	820	--	--	5	1	--	--
.27	.01	.18	161	168	48	216	7.3	10	5	3	15	--
1	--	--	--	120	--	--	7.2	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	94	--	--	7.9	--	--	--	--	--
--	--	--	--	--	--	321	--	--	--	--	--	--
--	--	--	--	--	--	350	--	12	--	--	--	--
.61	.00	.31	150	160	20	255	8.3	--	4	*9	1.6	--
2.3	.06	.26	468T	360	160	860	7.9	--	5	0	6.7	--
2.4	--	--	--	160	--	339	--	--	0	0	--	--
3.0	--	--	*	490	--	1,200	--	--	5	0	--	--
--	--	--	--	--	--	321	--	11	--	--	--	--
--	--	--	--	--	--	283	--	9.5	--	--	--	--
--	--	--	--	--	--	315	--	--	--	--	--	--
--	--	--	--	--	--	310	--	10.3	--	--	--	--
--	--	--	--	89	--	--	--	--	--	--	--	--
--	--	--	--	75	--	--	--	--	--	--	--	--
--	--	--	--	129	--	--	--	--	--	--	--	--
--	--	--	--	--	---	290	--	13	--	--	--	--
--	--	--	--	--	--	220	--	10	--	--	--	--
--	--	--	--	--	--	220	--	14	--	--	--	--
--	--	--	--	--	--	355	--	16	--	--	--	--
--	--	--	--	--	--	100	--	15	--	--	--	--
--	--	--	--	--	--	205	--	16	--	--	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO) (mg/L)	Alkalinity as CaCO (mg/L)	Dissolved sulfate (SO) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
30/5W-27G1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-27N1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-29L2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-29M4	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-29M5	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-29N1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-29P1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-30C2	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30D3	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30F1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30F2	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30F4	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30L1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30L2	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30L3	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30R1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-30R2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-30R3	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-31A1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-31C1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-31C2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-31G2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-32D1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-32R1	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-34Q1	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
30/6W-7B1	2- 2-54	--	8.1	--	--	--	--	--	--	--	--	6	--
-7C1	2- 4-54	--	--	--	--	--	--	--	--	43	--	8	--
-7N1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-9P1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-12N1	7-11-78	--	--	--	--	--	--	--	--	--	--	22	--
	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-16D1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-16M1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-17G2	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-18A1	5-17-79	--	--	--	--	--	--	--	--	--	--	.	--
-22C1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-22E1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-22F2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-23G1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-23L2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-23N1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24H1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24K1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24K2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24K4	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24K5	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-24P1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-24P3	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-24R1	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-24R3	5-18-79	--	--	--	--	--	--	--	--	--	--	--	--
-25B1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25B2	6-11-79	--	--	--	--	--	--	--	--	--	--	--	--
-25C1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25C2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25E2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25F1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25F2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25G1	5- 2-66	18	.18	8.046	30	12	5.1	0.6	350	--	9.0	1.0	0.1
	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25G4	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25H1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-25J1	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-26D2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-26E1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-26E2	6-12-79	--	--	--	--	--	--	--	--	--	--	--	--
-26N2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-27A1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-27A2	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-27D1	4- -72	--	--	--	--	--	6.5	--	--	--	--	--	--
	3-18-74	6.5	.1	.010	19	19	42	1.8	140	110	30	15	.4

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-ature (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO) (mg/L)	Remarks
--	--	--	--	--	--	230	--	20	--	--	--	--
--	--	--	--	--	--	200	--	16	--	--	--	--
--	--	--	--	--	--	250	--	25	--	--	--	--
--	--	--	--	--	--	330	--	10	--	--	--	--
--	--	--	--	--	--	375	--	14	--	--	--	--
--	--	--	--	--	--	127	--	10	--	--	--	--
--	--	--	--	--	--	455	--	11	--	--	--	--
--	--	--	--	--	--	250	--	13	--	--	--	--
--	--	--	--	--	--	490	--	13	--	--	--	--
--	--	--	--	--	--	285	--	14	--	--	--	--
--	--	--	--	--	--	310	--	13	--	--	--	--
--	--	--	--	--	--	250	--	17	--	--	--	--
--	--	--	--	--	--	290	--	17	--	--	--	--
--	--	--	--	--	--	300	--	11	--	--	--	--
--	--	--	--	--	--	280	--	12	--	--	--	--
--	--	--	--	--	--	310	--	13	--	--	--	--
--	--	--	--	--	--	300	--	13	--	--	--	--
--	--	--	--	--	--	265	--	12	--	--	--	--
--	--	--	--	--	--	250	--	19	--	--	--	--
--	--	--	--	--	--	268	--	15	--	--	--	--
--	--	--	--	--	--	230	--	11	--	--	--	--
--	--	--	--	--	--	270	--	21	--	--	--	--
--	--	--	--	--	--	320	--	15	--	--	--	--
--	--	--	--	--	--	310	--	13	--	--	--	--
--	--	--	--	--	--	200	--	11	--	--	--	--
--	--	--	--	54	--	-	--	--	--	--	--	--
--	--	--	--	46	--	--	--	--	--	--	--	--
--	--	--	--	--	--	230	--	18	--	--	--	--
--	--	--	--	--	--	250	--	13	--	--	--	--
--	--	--	--	--	--	310	--	--	--	--	--	--
--	--	--	--	--	--	310	--	12	--	--	--	--
--	--	--	--	--	--	130	--	14	--	--	--	--
--	--	--	--	--	--	240	--	12	--	--	--	--
--	--	--	--	--	--	150	-	11	--	--	--	--
--	--	--	--	--	--	190	--	14	--	--	--	--
--	--	--	*	--	--	1,000	--	12	--	--	--	--
--	--	--	--	--	--	14[illegible]	--	19	--	--	--	--
--	--	--	--	--	--	900	--	18	--	--	--	--
--	--	--	--	--	--	190	--	13	--	--	--	--
--	--	--	--	--	--	185	--	12.4	--	--	--	--
--	--	--	--	--	--	355	--	28	--	--	--	--
--	--	--	--	--	--	235	--	13	--	--	--	--
--	--	--	--	--	--	390	--	12	--	--	--	--
--	--	--	--	--	--	400	--	12	--	--	--	--
--	--	--	--	--	--	500	--	16	--	--	--	--
--	--	--	--	--	--	260	--	17	--	--	--	--
--	--	--	--	--	--	230	--	12	--	--	--	--
--	--	--	--	--	--	230	--	12.5	--	--	--	--
--	--	--	--	--	--	252	--	11.5	--	--	--	--
--	--	--	--	--	--	171	--	9.9	--	--	--	--
--	--	--	--	--	--	160	--	11	--	--	--	--
--	--	--	--	--	--	232	--	11.5	--	--	--	--
--	--	--	--	--	--	280	--	13.7	--	--	--	--
--	--	--	--	--	--	250	--	10.0	--	--	--	--
--	--	--	--	--	--	298	--	9.6	--	--	--	--
--	--	--	--	--	--	270	--	10	--	--	--	--
--	--	--	--	--	--	270	--	9.6	--	--	--	--
0.79	0.00	0.23	174	120	--	256	7.9	--	8	*30	8.3	--
--	--	--	--	--	--	280	--	11	--	--	--	--
--	--	--	--	--	--	310	--	12.2	--	--	--	--
--	--	--	--	--	--	280	--	10.0	--	--	--	--
--	--	--	--	--	--	280	--	12	--	--	--	--
--	--	--	--	--	--	320	--	10.4	--	--	--	--
--	--	--	--	--	--	310	--	8.6	--	--	--	--
--	--	--	--	--	--	380	--	10.0	--	--	--	--
--	--	--	--	--	--	215	--	9.8	--	--	--	--
--	--	--	--	--	--	440	--	f0.0	--	--	--	--
--	--	--	--	--	--	440	--	9.6	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
.66	.01	.34	202T	130	15	240	8.3	--	2	0	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO) (mg/L)	Alkalinity as CaCO (mg/L)	Dissolved sulfate (SO) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
30/7W-1H1	2- 2-54	--	0.1	--	--	--	--	--	--	--	--	10	--
-1Q1	2- 2-54	--	--	--	--	--	--	--	--	130	--	16	--
-2H1	2- 2-54	--	.1	--	--	--	--	--	--	--	--	6	--
-3R1	6-13-79	--	--	--	--	--	--	--	--	--	--	--	--
-3R2	pre 12-6-78	--	.07	0.010	--	--	--	--	--	--	--	--	0.1
-7J2	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-9A1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-9K1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-11J1	2- 2-54	--	--	--	--	--	--	--	--	120	--	30	--
-12G1	2- 2-54	--	--	--	--	--	--	--	--	31	--	10	--
-12H1	2- 2-54	--	--	--	--	--	--	--	--	79	--	6	--
-14C1	2- 3-54	--	--	--	--	--	--	--	--	31	--	14	--
-14D1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-14E1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
5-17-79 --		--	--	--	--	--	--	--	--	--	--	--	-14F1
-15A1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-15Q1	5-17-79	--	--	--	--	--	--	--	--	--	--	--	--
-16D1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-18E1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-18F1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-27J1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-27J2	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-28R2	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
-29F1	6-14-79	--	--	--	--	--	--	--	--	--	--	--	--
30/9W-26R1	9-20-67	11	.00	--	19	4.0	2.7	0.4	78	64	5.8	1.0	.0
-30F1	1-10-67	--	.07	--	--	--	--	--	--	--	--	2.8	--
	9-20-67	14	.01	--	22	4.0	5.2	.5	92	75	5.6	3.0	.1
-35B1	1-20-78	--	.10	.010	--	--	--	--	--	--	--	--	.2
30/10W-25G1s	6-12-78	--	.05	.010	--	--	--	--	--	--	--	--	.1
30/11W-28G1	10- 5-78	--	.23	.010	--	--	--	--	--	--	--	--	.2
-28H1	7- 8-64	8.7	.22	.05	10	2.1	2.7	.4	40	33	4.0	2.5	.1
	10- 3-77	--	.25	.010	--	--	--	--	--	--	--	--	.1
-28H2	7-24-64	16	.05	.05	5.0	.5	22	.2	55	52	5.2	4.0	.1
30/12W-25D1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
-26D1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-27M1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-27N1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-28H1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
-30L1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
30/13W-34K2	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
-34P1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-35D1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-36A1	5-15-79	--	--	--	--	--	--	--	--	--	--	--	--
31/3W-18G1	2-21-66	11	.13	*.07	24	10	12	5.2	117	96	9.0	4.5	.1
	3-11-66	--	--	--	--	--	--	--	--	--	--	--	--
	7-26-68	--	--	--	--	--	--	--	--	--	--	3.6	--
-30M1	7-25-68	--	--	--	--	--	--	--	--	--	--	4.3	--
	7- 7-78	--	--	--	--	--	--	--	--	--	--	5.0	--
-30Q1	7-25-68	--	--	--	--	--	--	--	--	--	--	2.5	--
-30Q4	7-24-75	--	--	--	--	--	--	--	--	--	--	--	--
-31B1	1-16-75	16	.12	*.10	33	3.4	8.4	--	111	91	11	1.2	.1
	7- 7-78	--	--	--	--	--	--	--	--	--	--	2.7	--
-31B2	- -72	--	--	--	--	--	--	--	--	--	--	5.0	--
-31H1	11-28-67	--	*.31	--	--	--	--	--	178	--	7.0	3.3	--
	7-25-68	--	--	--	--	--	--	--	--	--	--	3.6	--
	1-31-74	19	.00	.03	36	9.4	8.4	1.3	146	120	.0	6.4	.2
31/4W-25M1	7-25-68	--	--	--	--	--	--	--	--	--	--	5.1	--
	7- 7-78	--	--	--	--	--	--	--	--	--	--	5.0	--
-25P3	7- 7-78	--	--	--	--	--	--	--	--	--	--	4.8	--
-26G1	7-25-68	--	--	--	--	--	--	--	--	--	--	7.3	--
	7-10-78	--	--	--	--	--	--	--	--	--	--	7.3	--
-26J2	- -78	--	--	--	--	--	--	--	--	--	--	--	--
-26M1	- -60	--	--	--	--	--	--	--	193	158	50	12	--
-26Q2	7-10-78	--	--	--	--	--	--	--	--	--	--	10	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-ature (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO) (mg/L)	Remarks
--	--	--	--	62	--	--	--	--	--	--	--	--
--	--	--	--	100	--	--	--	--	--	--	--	--
--	--	--	--	26	--	--	--	--	--	--	--	--
--	--	--	--	--	--	250	--	11.6	--	--	--	--
0.4	--	--	--	40	--	110	--	--	5	0	--	--
--	--	--	--	--	--	178	--	9.4	--	--	--	--
--	--	--	--	--	--	207	--	10.2	--	--	--	--
--	--	--	--	--	--	139	--	8.2	--	--	--	--
--	--	--	--	94	--	--	--	--	--	--	--	--
--	--	--	--	62	--	--	--	--	--	--	--	--
--	--	--	--	46	--	--	--	--	--	--	--	--
--	--	--	--	34	--	--	--	--	--	--	--	--
--	--	--	--	--	--	190	--	9	--	--	--	--
--	--	--	--	--	--	190	--	9	--	--	--	--
--	--	--	--	--	--	301	--	12.5	--	--	--	--
--	--	--	--	--	--	200	--	10.5	--	--	--	--
--	--	--	--	--	--	260	--	12.2	--	--	--	--
--	--	--	--	--	--	310	--	13.0	--	--	--	--
--	--	--	--	--	--	300	--	14	--	--	--	--
--	--	--	--	--	--	150	--	8.5	--	--	--	--
--	--	--	--	--	--	210	--	10	--	--	--	--
--	--	--	--	--	--	190	--	10.5	--	--	--	--
--	--	--	--	--	--	210	--	13	--	--	--	--
--	--	--	--	--	--	170	--	9.8	--	--	--	--
.07	--	--	84	64	0	136	7.2	7.0	5	--	7.9	--
.30	--	--	--	61	--	159	--	10.6	--	--	--	--
.05	--	--	86	72	0	163	7.5	7.0	5	--	4.7	--
1.0	--	--	--	260	--	549	--	--	10	2	--	--
.4	--	--	--	80	--	190	--	--	0	0	--	--
.2	--	--	--	50	--	190	--	--	5	0	--	--
.02	.00	--	50	34	0	78	7.0	--	0	--	6.4	--
.1	--	--	--	44	--	108	--	--	0	0	--	--
.00	.00	--	83	14	0	123	*8.7	--	0	--	.2	--
--	--	--	--	--	--	66	--	12.5	--	--	--	--
--	--	--	--	--	--	79	--	12.2	--	--	--	--
--	--	--	--	--	--	219	--	10.8	--	--	--	--
--	--	--	--	--	--	108	--	12.1	--	--	--	--
--	--	--	--	--	--	80	--	10.4	--	--	--	--
--	--	--	--	--	--	110	--	11.1	--	--	--	--
--	--	--	--	--	--	67	--	12.0	--	--	--	--
--	--	--	--	--	--	72	--	10.0	--	--	--	--
--	--	--	--	--	--	314	--	11.0	--	--	--	--
--	--	--	--	--	--	158	--	9.2	--	--	--	--
1.0	.01	.16	133	102	6	271	8.1	--	3	*22	1.7	--
--	--	--	--	--	--	--	--	--	--	--	--	Sulfids = 0.05 mg/L.
--	--	--	--	--	--	293	--	--	--	--	--	--
--	--	--	--	--	--	298	--	--	--	--	--	--
--	--	--	--	--	--	296	--	--	--	--	--	--
--	--	--	--	--	--	225	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	Salty water at 4-43 ft and 55-120 ft.
.8	.03	.19	129	96	--	258	7.5	--	5	0	--	--
--	--	--	--	--	--	250	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
1.4	--	--	--	136	--	248	7.1	--	8	--	--	--
--	--	--	--	--	--	277	--	--	--	--	--	--
.65	.01	.32	153	127	--	240	8.2	--	8	0	2.1	--
--	--	--	--	--	--	294	--	11.5	--	--	--	--
--	--	--	--	--	--	287	--	--	--	--	--	--
--	--	--	--	--	--	233	--	--	--	--	--	--
--	--	--	--	--	--	291	--	--	--	--	--	--
--	--	--	--	--	--	283	--	11.5	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	"Salt-water" problem. Solved by deepening.
--	--	--	--	160	--	--	--	--	--	--	--	--
--	--	--	--	--	--	369	--	10.2	--	--	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallam County--continued

Site number	Date sampled	Dissolved silica (SiO) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO) (mg/L)	Alkalinity as CaCO (mg/L)	Dissolved sulfate (SO) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
31/4W-27N1	7-25-68	--	--	--	--	--	--	--	--	--	--	11	--
	7-10-78	--	--	--	--	--	--	--	--	--	--	12	--
-27R1	7-25-68	--	--	--	--	--	--	--	--	--	--	13	--
	3-30-71	24	0.06	0.02	31	24	2.1	18	208	102	15	13	0.1
	2-29-72	--	--	--	30	23	--	--	--	--	--	14	--
	7-10-78	--	--	--	--	--	--	--	--	--	--	10	--
-35D1	7-10-78	--	--	--	--	--	--	--	--	--	--	5.8	--
-35L4	2- 8-72	--	.05	--	--	--	--	--	--	--	--	--	--
-35P1	7-27-50	--	--	--	--	--	--	--	--	--	--	14	--
31/7W-26N1	8- 2-68	--	--	--	--	--	--	--	--	--	--	3.8	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	1.7	--
-27J1	7-31-68	--	--	--	--	--	--	--	--	--	--	.7	--
-27J2	7-31-68	--	--	--	--	--	--	--	--	--	--	1.8	--
-27J3	5-11-77	11	.02	.00	16	2.6	2.8	.3	55	45	10	1.3	.1
-32N1	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-33A1	7-31-68	--	--	--	--	--	--	--	--	--	--	12	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	13	--
-33A2	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-33F1	7-31-68	--	--	--	--	--	--	--	--	--	--	27	--
	7-11-78	--	--	--	--	--	--	--	--	--	--	38	--
-34A2	7-13-76	8.3	--	--	14	1.7	2.0	.2	49	40	7.8	1.5	.1
	2- 2-77	--	--	--	--	--	--	--	--	--	--	--	--
	2- 2-77	--	--	--	--	--	--	--	--	--	--	--	--
-34B3	5-11-77	6.9	.16	.01	14	1.7	2.1	.1	42	34	13	1.3	.1
-34D1	7-11-78	--	--	--	--	--	--	--	--	--	--	.9	--
-34D2	6-15-79	--	--	--	--	--	--	--	--	--	--	--	--
-35E1	3-15-69	10	.16	.021	17	3.4	3.1	.8	66	54	5.0	3.0	.0
	5-11-77	13	.02	.01	17	2.7	4.1	.3	57	47	11	3.0	.1
-35E2	6- 1-76	--	.1	.05	--	--	--	--	--	--	6	3	.1
-35E3	6- 1-76	--	.1	.05	--	--	--	--	--	--	6	3	.1
-35K1	2- 3-54	--	.1	--	--	--	--	--	--	--	--	6	--
-35N1	3-15-69	18	.16	.011	14	4.9	1.8	.2	66	54	7.3	.0	.0
	5-11-77	8.9	.02	.00	15	2.0	2.8	.2	46	38	8.6	1.8	.1
31/9W-31G1a	9- 7-71	6.2	*.58	.01	21	4.9	5.0	.2	81	66	7.9	3.5	.1
	4-10-73	7.6	.01	.00	11	18	4.6	.0	130	100	8.6	3.0	.1
	11-16-77	--	*1.4	*.09	--	--	--	--	--	--	--	--	.1
31/11W-9N1	8- 1-68	--	--	--	--	--	--	--	--	--	--	--	--
-10E1	8- 1-68	--	--	--	--	--	--	--	--	--	--	11	--
32/12W-21N1	11- -58	--	* 6.0	--	--	--	--	--	--	--	--	*640	--
-28N2	1-12-77	--	*14	--	--	--	--	--	--	--	--	--	--
-33D1	5-16-79	--	--	--	--	--	--	--	--	--	--	--	--
32/13W-22G1	8-12-58	2.5	--	--	64	42	--	--	--	72	10	*360	--
	1-14-65	11	.2	*.12	8.8	1.5	3.1	.5	35	29	4.4	4.2	.4
	1-14-65	12	.06	.003	10	1.3	2.8	.6	35	29	3.0	4.0	.3
	3-28-67	62	.19	.028	5.6	3.4	13	.6	34	28	7.5	3.5	.2
	3-28-67	7.8	.25	.017	12	2.9	14	.4	51	42	4.0	3.3	.6
	12-27-68	12	.26	.023	9.6	4.9	2.7	.4	49	40	3.4	4.0	.0
	5-30-78	--	.22	.022				--	--	--	--	--	.1
32/14W-1A1	10- 2-68	--	--	--	--	--	--	--	--	--	--	2.7	--
	7-12-78	--	--	--	--	--	--	--	--	--	--	5.0	--
32/15W-5N1	11-30-77	--	.05	.01	--	--	49	--	--	--	--	27	.3
-5L2	11-30-77	--	.12	.02	--	--	56	--	--	--	--	16	.5
33/15W-10R1	5-16-52	--	.09	--	--	--	--	--	270	--	15	26	.4
	2-27-53	--	.11	--	--	--	--	--	--	--	--	--	--
-11N1	5-16-52	--	.10	--	--	--	--	--	120	--	13	4	.4
-12L1	10- 2-68	--	--	--	--	--	--	--	--	--	--	28	--
-14C1	2-27-53	6.7	--	--	49	6.7	14	1.0	210	--	20	7	--
-15A1	3-20-62	17	*.76	.05	65	3.9	4.2	1.4	210	170	13	11	.2
	1-14-65	--	.01	.02	--	--	--	--	--	--	.8	--	.1
	10- 2-68	--	--	--	--	--	--	--	--	--	--	17	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-atura (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO) (mg/L)	Remarks
--	--	--	--	--	--	340	--	--	--	--	--	--
--	--	--	--	--	--	368	--	9.8	--	--	--	--
--	--	--	--	--	--	377	--	--	--	--	--	--
1.0	--	--	218	180	--	393	7.9	10.1	0	--	--	--
--	--	--	--	170	--	396	--	9.5	--	--	--	--
--	--	--	--	--	--	356	--	10.8	--	--	--	--
--	--	--	--	--	--	261	--	10.5	--	--	--	--
--	--	--	--	171	--	--	--	--	--	--	--	--
--	--	--	--	204	--	--	--	--	--	--	--	--
--	--	--	--	--	--	147	--	--	--	--	--	--
--	--	--	--	--	--	109	--	9.2	--	--	--	--
--	--	--	--	--	--	107	--	--	--	--	--	--
--	--	--	--	--	--	130	--	--	--	--	--	--
.07T	--	--	68	51	6	104	6.6	9.0	1	--	22	--
--	--	--	--	--	--	410	--	9	--	--	--	--
--	--	--	--	--	--	210	--	--	--	--	--	--
--	--	--	--	--	--	195	--	10.0	--	--	--	--
--	--	--	--	--	--	220	--	12	--	--	--	--
--	--	--	--	--	--	370	--	11.5	--	--	--	--
--	--	--	--	--	--	351	--	10.7	--	--	--	--
.04T	--	--	59	42	2	112	7.2	6.8	3	--	4.9	--
--	--	--	--	--	--	92	7.0	8.5	--	--	--	Dissolved oxygen = 10.4 mg/L. Collected inside incubating box.
--	--	--	--	--	--	92	7.0	8.5	--	--	--	Dissolved oxygen = 9.6 mg/L. Collected outside incubating box.
.09T	--	--	58	42	8	89	6.8	8.5	1	--	11	--
--	--	--	--	--	--	89	--	--	--	--	--	--
--	--	--	--	--	--	220	--	11.0	--	--	--	--
1.1	.00	.0	80T	54	2	61	7.1	--	4	3	11	--
.33T	--	--	79	54	7	114	*6.3	8.5	1	--	46	--
1.2	--	--	88	60	--	--	6.7	--	--	--	--	--
1.7	--	--	85	60	--	--	6.8	--	--	--	--	--
--	--	--	--	74	--	--	--	--	--	--	--	--
.14	.02	.0	79	56	--	92	7.3	--	4	3	6.7	--
.07T	--	--	64	46	8	94	6.5	8.5	1	--	23	--
.25	.18	.0	89T	72	6	146	6.8	--	15	*15	29	--
.31	.01	.0	116T	100	1	100	6.8	--	6	1	40	--
.8	--	--	--	--	72	--	140	--	--	*20	3	--
--	--	--	--	--	--	--	--	--	--	--	--	Salty. Lots of iron reported.
--	--	--	--	--	--	--	198	--	--	--	--	--
--	--	--	--	--	--	--	--	---	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	189	--	11.4	--	--	--	--
.13	.00	.00	*865	300	--	--	7.0	--	--	--	--	May have included water from
.25	.00	.09	254	28	7	152	6.8	10	1	*10	11	--
.35	.01	.08	202	30	9	92	*6.4	10	4	2	23	--
.12	.00	.29	68	36	8	76	*6.2	--	*35	*6	47	--
.10	.00	.38	67	42	--	100	*6.4	--	7	0	40	--
.20	.00	.0	62T	32	--	44	6.5	7.3	1	2	30	--
.8	--	--	--	--	24	--	80	--	--	0	0	--
--	--	--	--	--	--	--	147	--	--	--	--	--
--	--	--	--	--	--	--	173	--	--	--	--	--
1.1T	--	--	--	--	40	--	--	--	--	--	--	--
.9T	--	--	--	--	26	--	--	--	--	--	--	--
2.2T	--	--	--	--	240	24	516	--	--	--	--	--
--	--	--	--	--	--	--	466	--	10	--	--	--
.51	--	--	--	--	100	6	217	--	--	--	--	--
--	--	--	--	--	470	--	--	--	--	--	--	--
3.9T	--	--	--	--	180	4	377	--	8.5	--	--	--
.23	.04	.30	236	190	14	376	7.3	--	2	*10	19	--
--	--	.17	202	210	--	--	7.7	--	7	4	--	--
--	--	--	--	--	--	199	--	--	--	--	--	--

TABLE 12.--Chemical and physical quality of water from selected wells and springs in Clallem County--continued

Site number	Data sampled	Dissolved silica (SiO_2) (mg/L)	Dissolved iron (Fe) (ug/L)	Dissolved manganese (Mn) (ug/L)	Dissolved calcium (Ca) (mg/L)	Dissolved magnesium (Mg) (mg/L)	Dissolved sodium (Na) (mg/L)	Dissolved potassium (K) (mg/L)	Bicarbonate (HCO_3) (mg/L)	Alkalinity as $CaCO_3$ (mg/L)	Dissolved sulfate (SO_4) (mg/L)	Dissolved chloride (Cl) (mg/L)	Dissolved fluoride (F) (mg/L)
33/15W-15A1,2	12-21-66	11	0.13	0.01	71	4.4	2.8	2.6	280	230	28	10	0.2
	5-18-68	55	.16	*.10	65	50	4.5	1.6	190	160	39	12	.3
	12-12-68	7	*2.9	*.10	58	14	20	7.8	190	160	81	17	.1
-15A2	3-20-62	18	.07	*.13	67	5.9	5.7	1.3	210	180	26	10	.0
	1-14-65	--	.00	*.07	--	--	--	--	--	--	.0	--	.1
	10- 2-68	--	--	--	--	--	--	--	--	--	--	6.5	--
-15B1	4- 7-67	--	--	--	--	--	--	--	--	--	--	*3,300	--
-15G1	11- 3-77	--	--	--	--	--	--	--	--	--	--	--	--
-15G2	11- 3-77	--	--	--	--	--	--	--	--	--	--	--	--
-15G3	11- 3-77	--	--	--	--	--	--	--	--	--	--	--	--
-15G4	11- 3-77	--	--	--	--	--	--	--	--	--	--	--	--
-16R1	9-23-76	--	--	--	--	--	--	--	--	--	--	*550	--

Total nitrate (N) (mg/L)	Total nitrite (N) (mg/L)	Total phos-phorus (P) (mg/L)	Dis-solved solids (residue at 180 C)	Hard-ness (Ca,Mg) (mg/L)	Non-carbon-ate hardness (mg/L)	Specific conduc-tance (micro-mhos)	pH (units)	Water temper-ature (C)	Color (platinum-cobalt units)	Turbid-ity (JTU)	Carbon dioxide (CO_2) (mg/L)	Remarks
0.16	0.00	0.38	253	200	--	362	7.9	--	10	1	5.2	Suspect iron bacteria on well screen.
.46	.00	.42	252	370	210	370	7.8	--	4	*20	5.6	--
.63	.00	.19	298T	200	46	466	7.6	10	*90	*8	9.4	--
.22	.10	.46	254	200	26	404	7.8	--	3	0	5.4	--
--	--	.26	254	200	--	--	8.1	--	7	*6	--	--
--	--	--	--	--	--	560	--	--	--	--	--	--
--	--	--	*	--	--	11,500	--	--	--	--	--	--
.01T	--	--	--	--	--	--	--	10.0	--	3	--	Ammonia = 0.79 mg/L. Total nitrogen = 1.3 mg/L.
.01T	--	--	--	--	--	--	--	10.0	--	2	--	Ammonia = 0.02 mg/L. Total nitrogen = 0.11 mg/L.
.01T	--	--	--	--	--	--	--	10.0	--	*20	--	Ammonia = 0.25 mg/L. Total nitrogen = 0.63 mg/L.
.01T	--	--	--	--	--	--	--	10.0	--	*15	--	Ammonia = 0.27 mg/L. Total nitrogen = 0.51 mg/L.
--	--	--	--	--	--	--	--	--	--	--	--	--

(p. 185 follows)

TABLE 13.--Trace constituents in water from selected wells and springs in Clallam County

Site number	Date sampled	Dissolved constituents (ug/L) Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cr)	Chromium (Cr)	Copper (Cu)	Lead (Pb)	Mercury (Hg)	Selenium (Se)	Silvar (Ag)	Strontium (Sr)	Zinc (Zn)	Remarks
28/5W-1J1s	8- -76	5	100	--	1	5	--	5	1	2	0.5	--	--	--
	7- 5-78	10	250	--	2	10	--	10	5	3	10	--	--	--
28/12W-6D1	9-10-64	--	--	--	--	5	20	--	--	--	--	--	--	Hexavalent chromium 5 ug/L.
28/13W-4Q1-3	11- 7-75	10	120	--	5	5	--	5	.5	4	5	--	--	--
-4Q2	3-30-71	--	--	--	--	30	50	100	--	--	--	50	10	Aluminum 5 ug/L. Lithium 20 ug/L.
-4R1	5- 2-61	--	--	--	--	30	50	100	--	--	--	50	10	Aluminum 10 ug/L. Lithium 20 ug/L.
28/15W-22P1	9-15-67	10	1,000	--	5	50	400	40	--	10	40	--	500	--
-23K1	8-29-78	10	250	--	2	10	--	10	1	3	10	--	--	--
-23N1	9-19-67	10	1,000	--	5	50	400	40	--	10	40	--	500	--
-23N2	1-17-67	10	1,000	--	5	50	400	40	--	10	40	--	500	--
29/3W-31R1	10-11-78	10	250	--	2	10	--	10	1	3	10	--	--	--
29/7W-9D1	6-26-78	10	250	--	2	10	--	19	1	3	10	--	--	--
-9N1	6-26-78	10	250	--	2	10	--	35	1	3	10	--	--	--
29/8W-27K1s	8-19-69	--	--	800	--	--	--	--	--	--	--	--	--	Drinking tap.
	8-19-69	--	--	500	--	--	--	--	--	--	--	--	--	Resarvoir.
	8-19-69	--	--	500	--	--	--	--	--	--	--	--	--	Filtar plant.
29/9W-32C1-5s	3-14-78	5	300	--	2	10	--	10	.6	4	10	--	--	--
-32D1	6-26-78	10	250	--	2	10	--	11	2.3	3	10	--	--	--
& F1	6-26-78	10	250	--	2	10	--	10	1	3	10	--	--	--
30/2W-21Q1	5- 6-79	10	250	--	2	10	--	10	1	5	10	--	--	--
30/4W-7B1	3-27-79	5	50	--	2	2	--	10	2	5	2	--	--	--
-12R2	11-14-62	--	--	10	--	--	--	--	--	--	--	--	--	--
30/5W-10F1	3- 6-78	10	250	--	2	12	--	10	1	3	10	--	--	--
	3- 5-79	10	250	--	2	10	--	10	1	5	10	--	--	--
	3-20-79	--	--	--	--	--	--	--	1	--	--	--	--	--
30/7W-3R2 pre	12- 6-78	10	250	--	2	10	--	10	1	3	10	--	--	--
30/9W-35B1	1-20-78	10	100	--	5	10	--	10	1	5	10	--	--	--
30/10W-25G1s	6-12-78	10	250	--	2	10	--	25	1.3	3	10	--	--	--
30/11W-28G1	10- 5-78	10	250	--	2	10	--	10	1	3	10	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County

Quilleyute River (river mile 1.5) (Site 60)

Date sample collected	8/2/76	9/10/76		9/8/77									10/5/77
Time sample collected	1600	0755	1345	0710	0850	1030	1145	1325	1435	1605	1725	1855	1655
Sampling depth (ft)	--	.8	1.6	--	--	--	--	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.01	--	--	--	--	--	--	--	--	--	--	--	.04
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	--	--	--	--	--	--	.00
Total ammonia (N) (mg/L)	.02	.03	.02	--	--	--	--	--	--	--	--	--	.03
Total phosphorus (P) (mg/L)	.00	--	--	--	--	--	--	--	--	--	--	--	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	--	--	--	--	--	--	--	--	--	--	--	.00
Specific conductance (micromhos)	82	--	--	85	79	80	85	79	81	85	81	82	78
Temperature (°C)	15.2	12.4	15.5	--	--	--	--	--	--	--	--	--	10.8
Color (platinum-cobalt units)	0	--	--	--	--	--	--	--	--	--	--	--	0
Turbidity (JTU)	0	--	--	--	--	--	--	--	--	--	--	--	0
Dissolved oxygen (mg/L)	10.7	9.5	11.3	--	10.2	--	--	--	11.2	--	--	--	12.8
Biochemical oxygen demand (5 day) (mg/L)	--	1.0	--	--	--	--	--	--	--	--	--	--	--
Immediate coliform (col/100 mL)	20	65	42	78	2900	420	8	2	54	2	8	40	930
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	--	15	11	--	--	--	--	--	--	--	--	--	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	--	--	--	--	--	--	5
Streptococci (col/100 mL)	--	10	1	--	--	--	--	--	--	--	--	--	--

Quillayute Estuary, at Dickey River Mile 0.1 (river mile 1.3) (Site 62)

Date sample collected	9/10/76		
Time sample collected	0810	1030	1400
Sampling depth (ft)	.5	1.6	1.6
Total ammonia (N) (mg/L)	.03	.03	.02
Temperature (°C)	11.8	12.7	15.0
Dissolved oxygen (mg/L)	8.9	9.3	10.6
Biochemical oxygen demand (5 day) (mg/L)	1.4	--	--
Immediate coliform (col/100 mL)	42	88	800
Fecal coliform (0.45 um, membrane filter) col/100 mL)	48	--	22
Streptococci (col/100 mL)	24	--	2

Quillayute Estuary (river mile 1.4) (Site 61)

	1976								
Date sample collected	8/11	8/12	8/19/77						
Time sample collected	1930	0905	0840	1030	1250	1300	1440	1720	2015
Sampling depth (ft)	1.6	1.6	4.9	8.2	8.2	8.2	8.2	8.2	8.2
Total nitrate (N) (mg/L)	--	--	.02	.02	.02	.02	.02	.02	.02
Total nitrite (N) (mg/L)	--	--	.00	.00	.00	.00	.00	.00	.00
Total ammonie (N) (mg/L)	--	--	.01	.02	.01	.01	.00	.02	.09
Temperature (°C)	17.0	15.2	14.0	--	--	--	14.0	14.0	14.0
Turbidity (JTU)	--	--	0	0	0	0	0	0	1
Dissolved oxygen (mg/L)	--	9.6	10.4	9.6	10.1	10.2	8.8	10.5	10.0
Biochemical oxygen demand (5 day) (mg/L)	--	--	.7	--	--	.9	1.3	--	1.0
Immediate coliform (col/100 mL)	--	76	--	720	290	140	120	150	480
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	--	--	--	--	--	58	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallem County--Continued

Pacific Ocean Tributary No. 5 (Site 1)

Date sample collected	5/20/65	4/27/67	4/27/67[a]	8/4/70
Dissolved silica (SiO_2) (mg/L)	31	2.5	9.5	21
Dissolved iron (Fe) (ug/L)	30	220	490	270
Dissolve manganese (Mn) (ug/L)	16	39	4	3
Dissolved calcium (Ca) (mg/L)	4.8	4.0	3.2	4.0
Dissolved magnesium (Mg) (mg/L)	2.9	2.6	1.4	5.3
Dissolved sodium (Na) (mg/L)	10	15	4.1	18
Dissolved potassium (K) (mg/L)	1.3	1.1	.8	.7
Bicarbonate (HCO_3) (mg/L)	39	17	10	22
Alkalinity ($CaCO_3$) (mg/L)	32	14	8	18
Dissolved sulfate (SO_4) (mg/L)	8.5	2.7	2.5	1.9
Dissolved chloride (Cl) (mg/L)	28	22	15	27
Dissolved fluoride (F) (mg/L)	.3	.2	.6	.0
Dissolved nitrate (N) (mg/L)	.40	.31	.22	.21
Dissolved nitrite (N) (mg/L)	.00	.00	.01	.02
Dissolved phosphorus (P) (mg/L)	.11	.13	.16	.04
Dissolved solids, residue at 180°C (mg/L)	122	70	50	--
Suspended solids, at 105°C (mg/L)	1	2	3	--
Hardness ($CaCO_3$) (mg/L)	12	10	8	10
Noncarbonate hardness (mg/L)	--	8	10	14
Specific conductance (micromhos)	123	114	71	149
pH (units)	7.1	7.5	7.2	7.1
Color (platinum-cobalt units)	7	25	50	25
Turbidity (JTU)	3	2	1	2
Dissolved carbon dioxide (mg/L)	6.2	1.2	1.5	3.8

[a]Sample from outflow of LaPush water system reservoir, which receives water from the stream.

12041500 Soleduck River near Fairholm, Wash. (Site 4)

		1960					1961								
Date sample collected	7/18	8/2	9/7	10/5	11/6	12/6	1/5	2/2	3/2	4/4	5/1	6/1	7/17	8/1	9/5
Discharge (ft^3/s)	286	171	154	83	501	447	2170	2700	1250	855	802	652	222	140	140
Dissolved silica (SiO_2) (mg/L)	5.0	5.1	5.2	5.6	5.4	5.9	5.0	4.7	5.7	5.0	4.9	5.1	5.4	5.1	5.1
Dissolved calcium (Ca) (mg/L)	11	14	13	15	10	12	8.0	7.5	8.0	9.0	9.5	10.0	12	14	13
Dissolved magnesium (Mg) (mg/L)	1.7	1.0	1.5	1.4	1.5	.9	.7	.1	1.0	1.2	1.0	1.2	1.2	1.4	1.5
Dissolved sodium (Na) (mg/L)	1.8	2.2	2.7	2.7	1.9	1.9	1.6	1.4	1.9	2.2	1.8	1.6	2.0	2.3	2.6
Dissolved potassium (K) (mg/L)	.2	.6	.3	.5	.0	.0	.0	.1	.0	.7	.2	.3	.2	.2	.5
Bicarbonate (HCO_3) (mg/L)	39	42	42	47	34	37	26	23	28	31	32	34	39	43	42
Dissolved sulfate (SO_4) (mg/L)	6.4	8.0	7.6	9.8	5.8	5.8	3.8	2.8	4.0	5.2	5.6	6.2	6.8	8.4	8.4
Dissolved chloride (Cl) (mg/L)	1.0	1.2	1.2	1.5	1.5	1.5	1.2	1.2	1.2	1.0	1.2	1.0	1.0	1.0	1.2
Diasolved fluroide (F) (mg/L)	.0	.1	.1	.2	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Total nitrate (N) (mg/L)	.00	.00	.02	.00	.02	.02	.07	.05	.02	.02	.00	.00	.02	.00	.02
Dissolved phosphorus (P) (mg/L)	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dissolved solids, residue at 180°C (mg/L)	51	55	52	58	47	51	37	31	38	44	40	42	51	58	54
Hardness ($CaCO_3$) (mg/L)	34	39	38	43	31	34	23	19	24	28	28	30	35	41	39
Noncarbonate hardness (mg/L)	2	4	4	4	3	3	2	0	1	2	2	2	3	6	4
Specific conductance (micromhos)	80	89	91	102	73	77	56	47	59	64	66	70	82	91	90
pH (units)	7.8	7.8	7.7	7.9	7.7	7.5	7.5	7.3	7.4	7.3	7.4	7.6	7.6	7.6	7.6

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12042000 Soleduck River near Beaver, Wash. (Site 6)

Date sample collected	1960 7/18	8/2	9/7	10/5	11/4	12/6	1961 1/5	2/2	3/2	4/4	5/1	6/1	7/17	8/1	9/5
Discharge (ft^3/s)	286	171	154	83	501	447	2170	2700	1250	855	802	652	222	140	140
Dissolved silica (SiO_2) (mg/L)	5.0	5.1	5.2	5.6	5.4	5.9	5.0	4.7	5.7	5.0	4.9	5.1	5.4	5.1	5.1
Total iron (Fe) (ug/L)	10	10	40	20	30	30	140	450	60	10	40	20	10	20	0
Dissolved calcium (Ca) (mg/L)	11	14	13	15	10	12	8.0	7.5	8.0	9.0	8.5	10	12	14	13
Dissolved magnesium (Mg) (mg/L)	1.7	1.0	1.5	1.4	1.5	.9	.7	.1	1.0	1.2	1.0	1.2	1.2	1.4	1.5
Dissolved sodium (Na) (mg/L)	1.8	2.2	2.7	2.7	1.9	1.9	1.6	.14	1.9	2.2	1.8	1.6	2.0	2.3	2.6
Dissolved potassium (K) (mg/L)	.2	.6	.3	.5	.0	.0	.0	.1	.0	.7	.2	.3	.2	.2	.5
Bicarbonate (HCO_3) (mg/L)	39	42	42	47	34	37	26	23	28	31	32	34	39	43	42
Alkalinity ($CaCO_3$) (mg/L)	32	34	34	39	28	30	21	19	23	25	26	28	32	35	34
Dissolved sulfate (SO_4) (mg/L)	6.4	8.0	7.6	9.8	5.8	5.8	3.8	2.8	4.0	5.2	5.6	6.2	6.8	8.4	8.4
Dissolved chloride (Cl) (mg/L)	1.0	1.2	1.2	1.5	1.5	1.5	1.2	1.2	1.2	1.0	1.2	1.0	1.0	1.0	1.2
Dissolved fluoride (F) (mg/L)	.0	.1	.1	.2	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Total nitrate (N) (mg/L)	.00	.00	.02	.00	.02	.02	.07	.05	.02	.02	.00	.00	.02	.00	.02
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dissolved solids, residue at 180°C (mg/L)	51	55	52	58	47	51	37	31	39	44	40	42	51	58	54
Hardness ($CaCO_3$) (mg/L)	34	39	38	43	321	34	23	19	24	28	28	30	35	41	39
Noncarbonate hardness (mg/L)	2	5	4	4	3	4	2	0	1	3	2	2	3	6	5
Specific conductance (micromhos)	80	90	91	102	73	77	56	47	59	64	66	70	82	91	90
pH (units)	7.8	7.8	7.7	7.9	7.7	7.5	7.5	7.3	7.4	7.3	7.4	7.6	7.6	7.6	7.6
Temperature (°C)	16.5	--	10.5	12.0	6.1	3.4	4.8	5.1	3.7	6.0	8.0	11.0	18.8	18.6	15.0
Color (platinum-cobalt units)	0	5	5	5	5	5	10	10	5	5	5	5	0	0	5
Turbidity (JTU)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved oxygen (mg/L)	9.4	9.8	10.8	10.6	12.3	13.2	--	11.7	12.9	--	11.4	10.9	9.2	9.7	10.2
Dissolved carbon dioxide (CO_2) (mg/L)	1.0	1.1	1.3	.9	1.1	1.9	1.3	1.8	1.8	2.5	2.0	1.4	1.6	1.7	1.7
Complete coliform (MPN)	0	36	0	0	0	0	0	0	0	0	0	0	36	0	91
Dissolved arsenic (As) (ug/L)	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
Dissolved boron (B) (ug/L)	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
Dissolved chromium (Cr) (ug/L)	--	--	10	--	--	--	40	--	--	--	--	--	--	--	--
Dissolved hexavalent chromium (Cr) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved copper (Cu) (ug/L)	--	--	0	--	--	--	90	--	--	--	--	--	--	--	--
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12042000 Soleduck River near Beaver, Wash. (Site 6)--Continued

	1962				1963		1964			1966		1967		1968			
11/1/61	2/14	5/14	8/14	12/13	6/17	12/23	6/15	12/14	6/2/65	2/7	8/2	5/18	10/18	4/18	11/13	9/9/69	6/9/70
630	420	928	140	1000	382	5080	456	--	--	--	--	--	--	--	--	--	--
5.4	5.8	5.9	5.8	5.3	4.2	3.5	4.3	5.4	5.4	5.3	4.7	8.0	7.3	7.7	6.6	9.5	4.5
0	10	30	0	40	0	630	40	30	20	--	--	--	--	--	--	--	--
10	11	11	15	10	11	5.0	9.0	11	10	9.2	12	8.8	8.8	7.9	7.9	12	10
.9	1.2	1.6	.8	1.0	1.3	.8	1.0	1.2	1.4	1.2	1.5	1.3	1.4	1.5	1.6	2.1	1.2
1.9	2.3	2.2	2.4	2.2	1.6	1.8	1.7	2.3	2.0	2.0	2.0	2.0	2.8	3.0	2.8	3.6	1.9
.3	.3	.4	.3	.2	.2	.3	.3	.3	.4	.2	.3	.3	.2	.1	.3	.4	.3
32	36	38	44	32	36	18	30	36	35	32	39	33	33	33	32	46	35
26	30	31	36	26	30	15	25	30	29	26	32	27	27	27	26	38	29
5.2	6.0	6.8	8.2	6.4	5.4	3.2	4.8	6.4	6.2	5.2	6.4	4.4	5.0	3.8	4.0	5.2	5.8
1.0	1.5	1.0	1.2	1.8	.8	1.0	1.2	1.2	1.0	1.5	1.5	1.5	1.5	1.5	1.4	1.8	.7
.1	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
.00	.00	.02	.00	.02	.00	.07	.05	.05	.07	.02	.02	.02	.11	.05	.14	.07	.02
.00	.01	.00	.00	.00	.00	.00	.01	--	--	--	--	--	--	--	--	--	--
46	51	53	56	45	46	27	39	47	43	41	44	41	43	42	44	58	41
29	32	34	41	29	33	16	27	32	30	28	36	28	28	26	26	39	30
3	3	3	5	3	4	0	2	3	2	2	4	0	1	0	0	1	2
69	77	82	94	69	75	38	60	76	72	70	82	68	69	67	62	95	73
7.1	7.4	7.6	7.5	7.0	7.5	7.0	7.5	7.5	7.5	7.4	7.0	7.7	7.5	7.5	7.1	7.2	7.2
6.1	6.0	6.7	15.0	6.1	16.7	6.7	8.9	2.8	12.4	5.0	12.4	7.2	11.0	8.0	--	--	8.5
5	5	5	5	5	0	15	5	5	0	5	0	5	5	5	5	0	0
0	0	0	0	0	0	35	0	0	0	--	--	--	--	--	--	--	--
12.1	12.0	11.7	10.2	13.7	10.7	12.0	11.6	11.7	11.3	11.8	10.8	--	--	--	--	--	--
4.1	2.3	1.5	2.2	5.1	1.8	2.9	1.5	1.8	1.8	2.0	6.2	1.1	1.7	1.7	4.1	4.6	3.5
36	23	360	36	73	23	23	23	30	23	30	36	--	--	--	--	--	--
0	--	0	--	0	0	0	0	0	0	0	0	0	0	--	--	--	--
0	--	0	--	0	0	0	10	20	10	30	10	40	0	--	20	--	--
0	--	0	--	0	0	1-	0	0	0	0	0	0	0	--	0	0	--
0	--	0	--	0	0	10	0	0	0	0	0	0	0	--	0	0	--
40	--	0	--	0	10	90	0	10	20	10	20	0	0	--	0	0	--
50	--	50	--	50	50	50	50	50	50	50	0	20	0	--	0	0	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

Beaver Lake, near Sappho, Wash. (Site 9)

Data sample collected	8/12/74	
Sample site number	1	
Depth sample collected (ft)	3	30
Total nitrate (N) (mg/L)	.00	.03
Total nitrite (N) (mg/L)	.00	.00
Total ammonia (N) (mg/L)	.04	.37
Total organic nitrogen (N) (mg/L)	.29	.15
Total phosphorus (P) (mg/L)	.01	.02
Total orthophosphate phosphorus (P) (mg/L)	.00	.02
Specific conductance (micromhos)	76	80
Water temperature (°C)	17.3	9.0
Color (platinum-cobalt units)	20	45
Secchi-disc visibility (ft)	9	
Dissolved oxygen (mg/L)	9.3	0.1
Lake shoreline covered by emersed plants (pct)	76-100	
Lake surface covered by emersed plants (pct)	1-10	
Number of fecal coliform samples	3	
Fecal coliform, minimum (col/100mL)	1	
Fecal coliform, maximum	2	
Fecal coliform, mean (col/100mL)	1	

Pleasant Lake, near Sappho, Wash. (Site 15)

Data sample collected	8/12/74	
Sample site number	1	
Depth sample collected (ft)	3	43
Total nitrate (N) (mg/L)	.00	.03
Total nitrite (N) (mg/L)	.00	.00
Total ammonia (N) (mg/L)	.02	.16
Total organic nitrogen (N) (mg/L)	.16	.06
Total phosphorus (P) (mg/L)	.01	.03
Total orthophosphate phosphorus (P) (mg/L)	.00	.03
Specific conductance (micromhos)	40	50
Water temperature (°C)	20.7	10.9
Color (platinum-cobalt units)	0	30
Secchi-disc visibility (ft)	13	
Dissolved oxygen (mg/L)	9.2	1.0
Lake shoreline covered by emersed plants (pct)	Little or none	
Lake surface covered by emersed plants (pct)	None or 1	
Number of fecal coliform samples	3	
Fecal coliform, minimum (col/100mL)	1	
Fecal coliform, maximum	1	
Fecal coliform, mean (col/100mL)	1	

12042300 Soleduck River near Forks, Wash. (Site 17)

	1971		1972					1973						1974				
Date sample collected	10/27	12/14	2/8	4/11	6/13	8/8	11/29	1/16	3/13	5/30	7/17	9/25	11/13	1/23	3/19	5/15	7/23	9/17
Discharge (ft^3/s)	--	2150	1720	1500	863	401	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	9.0	7.5	7.9	8.4	10	11	9.7	5.1	8.8	10	12	12	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	.8	1.4	1.3	1.3	1.4	1.7	1.6	.9	1.5	1.5	1.7	1.8	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	1.8	3.0	2.9	3.2	2.3	2.4	3.2	2.3	3.0	2.4	3.0	3.6	--	--	--	--	--	--
Dissolved potassium (K) (mg/L)	.4	.3	.3	.4	.2	.2	.5	.6	1.9	.3	.4	.3	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	33	30	30	32	26	42	26	24	30	38	47	48	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	27	25	25	26	30	34	30	20	25	31	39	39	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	--	--	--	--	--	--	5.9	3.1	1.2	5.6	5.9	5.2	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	1.3	2.7	2.4	2.2	2.6	1.5	2.4	2.2	2.7	1.7	2.1	2.3	--	--	--	--	--	--
Total nitrate (N) (mg/L)	--	.26	.06	.01	.04	.02	.22	.17	.15	.06	.05	.08	--	--	--	--	--	--
Total nitrite (N) (mg/L)	--	.00	.00	.01	.00	.00	.00	.01	.00	.00	.01	.00	--	--	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	.26	.06	.02	.04	.02	.22	.18	.15	.06	.06	.08	.23	.15	.20	.04	.03	.06
Total ammonia (N) (mg/L)	---	.01	.04	.16	.03	.02	.09	.18	.11	.03	.02	.01	.07	.05	.07	.11	.07	.05
Total organic nitrogen (N) (mg/L)	--	.03	.09	.06	.11	.06	--	--	--	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	--	.01	.01	.05	.01	.00	.01	.11	.00	.00	.00	.00	.02	.02	.02	.01	.01	.01
Dissolved orthophosphate phosphorus (P) (mg/L)	--	.00	.01	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Hardness ($CaCO_3$) (mg/L)	26	24	25	26	31	34	31	16	28	31	37	37	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	0	0	0	0	1	0	1	0	4	0	0	0	0	--	--	--	--	--
Specific conductance (micromhos)	66	67	64	67	86	98	67	48	94	78	99	100	61	66	67	77	76	94
pH (units)	7.2	7.1	7.5	7.5	7.4	7.8	7.6	7.1	7.0	7.6	7.8	7.8	7.4	7.4	7.4	7.5	7.7	7.5
Temperature (°C)	4.4	5.3	5.3	5.4	9.6	16.8	4.7	5.5	6.6	10.6	15.7	12.0	6.0	6.0	5.8	7.0	11.6	12.7
Color (platinum-cobalt units)	--	40	26	9	6	5	0	55	19	23	5	18	29	17	10	16	11	14
Turbidity (JTU)	--	2	4	2	1	1	3	45	3	1	1	1	8	15	7	5	2	2
Dissolved oxygen (mg/L)	12.6	12.5	12.9	12.6	11.7	9.8	12.9	12.4	12.9	11.1	9.7	11.1	12.1	12.8	13.0	13.0	11.4	11.1
Dissolved carbon dioxide (CO_2) (mg/L)	3.3	3.8	1.5	1.6	2.3	1.1	1.4	3.1	4.8	1.5	1.2	1.2	--	--	--	--	--	--
Total immediate coliform (col/100 mL)	130	350	100	75	225	120	80	160	100	75	100	540	440	270	120	260	650	660

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043003 Calawah River at mouth near Forks, Wash. (site 47)

Data sample collected	8/24/76	10/6/77
Discharge (ft^3)	170	185
Dissolved silica (SiO_2) (mg/L)	8.0	--
Dissolved calcium (Ca) (mg/L)	7.9	--
Dissolved magnesium (Mg) (mg/L)	1.8	--
Dissolved sodium (Na) (mg/L)	3.1	--
Dissolved potassium (K) (mg/L)	.3	--
Bicarbonate (HCO_3) (mg/L)	34	--
Alkalinity ($CaCO_3$) (mg/L)	28	--
Dissolved sulfate (SO_4) (mg/L)	5.7	--
Dissolved chloride (Cl) (mg/L)	2.3	--
Dissolved fluoride (F) (mg/L)	.1	--
Total nitrate (N) (mg/L)	.03	.09
Total nitrite (N) (mg/L)	.00	.00
Total ammonia (N) (mg/L)	.02	.04
Total phosphorus (P) (mg/L)	.00	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Hardness ($CaCO_3$) (mg/L)	27	--
Noncarbonate hardness (mg/L)	0	--
Specific conductance (micromhos)	73	68
Temperature (°C)	14.0	8.6
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	--	12.1
Total immediate coliform (col/100 mL)	3	290
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	11

Bogachiel River at mouth, at Soleduck (river mile 6.5) (Site 56)

Data sample collected	8/12/76	8/25/76	10/5/77
Dissolved silica (SiO_2) (mg/L)	--	6.5	--
Dissolved calcium (Ca) (mg/L)	--	9.8	--
Dissolved magnesium (Mg) (mg/L)	--	1.5	--
Dissolved sodium (Na) (mg/L)	--	3.1	--
Dissolved potassium (K) (mg/L)	--	.3	--
Bicarbonate (HCO_3) (mg/L)	--	32	--
Alkalinity ($CaCO_3$) (mg/L)	--	26	--
Dissolved sulfate (SO_4) (mg/L)	--	6.2	--
Dissolved chloride (Cl) (mg/L)	--	3.1	--
Dissolved fluoride (F) (mg/L)	--	.1	--
Total nitrate (N) (mg/L)	--	.00	.03
Total nitrite (N) (mg/L)	--	.00	.00
Total ammonia (N) (mg/L)	--	.03	.02
Total phosphorus (P) (mg/L)	--	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	--	.00	.00
Dissolved solids, sum of constituents (mg/L)	--	.00	.00
Hardness (Ca, Mg) (mg/L)	--	31	--
Noncarbonate hardness (mg/L)	--	4	--
Specific conductance (micromhos)	--	79	80
Temperature (°C)	9.8	15.1	9.4
Color (platinum-cobalt units)	--	0	5
Turbidity (JTU)	--	0	1
Dissolved oxygen (mg/L)	---	10.2	12.3
Biochemical oxygen demand (5 day) (mg/L)	1.8	--	--
Immediate coliform (col/100 mL)	116	44	64
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	14

Dickey River at Mora Bridge, at mouth (river mile 0.2) (Site 78)

Data sample collected	8/24/76	9/8/77									10/4/77
Time sample collected	1220	0700	0832	0833	1015	1135	1315	1420	1545	1715	1900	1250
Sampling depth (ft)	--	--	1.0	8.0	--	--	--	--	--	--	--	--
Dissolved silica (SiO_2) (mg/L)	6.3	--	--	--	--	--	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	7.2	--	--	--	--	--	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	5.5	--	--	--	--	--	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	44	--	--	--	--	--	--	--	--	--	--	--
Dissoled potassium (K) (mg/L)	2.1	--	--	--	--	--	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	24	--	--	--	--	--	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	20	--	--	--	--	--	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	14	--	--	--	--	--	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	79	--	--	--	--	--	--	--	--	--	--	--
Dissolved fluoride (F) (mg/L)	.1	--	--	--	--	--	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.03	--	--	--	--	--	--	--	--	--	--	.08
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	--	--	--	--	--	.01
Total ammonia (N) (mg/L)	.06	--	--	--	--	--	--	--	--	--	--	.05
Total phosphorus (P) (mg/L)	.02	--	--	--	--	--	--	--	--	--	--	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	--	--	--	--	--	--	--	--	--	--	.01
Dissolved solids (sum of constituents) (mg/L)	170	--	--	--	--	--	--	--	--	--	--	--
Hardness (Ca, Mg) (mg/L)	41	--	--	--	--	--	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	21	--	--	--	--	--	--	--	--	--	--	--
Specific conductance (micromhos)	236	107	72	73	105	154	69	73	120	72	74	71
Temperature (°C)	14.6	--	--	--	--	--	--	--	--	--	--	7.9
Color (platinum-cobalt units)	35	--	--	--	--	--	--	--	--	--	--	30
Turbidity (JTU)	1	--	--	--	--	--	--	--	--	--	--	1
Dissolved oxygen (mg/L)	9.9	--	9.3	9.3	--	--	--	9.7	--	--	--	10.8
Immediate coliform (col/100 mL)	70	60	670	210	380	17	25	70	25	31	54	790
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	--	--	--	--	--	18

TABLE 14.--Chemical and physical quality of water from selected surfeca-water sites in Clallam County--Continued

Dickey Lake, near Forks, Wash.

Date sample collected	8/12/74	
Sample site number	1	
Depth sample collected	3	33
Total nitrate (N) (mg/L)	.00	.06
Total nitrate (N) (mg/L)	.00	.00
Total ammonia (N) (mg/L)	.05	.10
Total organic nitrogen (N) (mg/L)	.32	.19
Total phosphorus (P) (mg/L)	.02	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	.01
Specific conductance (micromhos)	32	33
Water temperature (°C)	20.2	10.8
Color (platinum-cobalt units)	45	65
Secchi-disc visibility (ft)	9	
Dissolved oxygen (mg/L)	8.7	3.0
Lake shoreline covered by emersed plants (pct)	76-100	
Lake surface covered by emersed plants (pct)	1-10	
Number of fecal coliform saples	3	
Fecal coliform minimum (col/100 mL)	1	
Facal coliform, maximum (col/100 mL)	2	
Facal coliform, mean (col/100 mL)	1	

Wentworth Lake, near Forks, Wash.

Data sample collected	8/12/74	
Sample site number	1	
Depth sample collected (ft)	3	16
Total nitrate (N) (mg/L)	.00	.00
Total nitrite (N) (m/L)	.00	.00
Total ammonia (N) (mg/L)	.04	.06
Total orgenic nitrogen (N) (mg/L)	.31	.23
Total phosphorus (P) (mg/L)	.01	.01
Total orthophosphate phosphorus (P) (mg/L)	.00	.01
Specific conductance (micromhos)	30	35
Water temperature (°C)	21.2	10.6
Color (platinum-cobalt units)	40	45
Secchi-disc visibility (ft)	8	
Dissolved oxygen (mg/L)	8.7	0.6
Lake shoraline covered by emersed plants (pct)	76-100	
Lake surface covered by emersed plants (pct)	11-25	
Number of fecal coliform samples	3	
Fecal coliform, minimum (col/100 mL)	1	
Fecal coliform, maximum (col/100 mL)	5	
Fecal coliform, meen (col/100 mL)	2	

Elk Lake, near Ozette, Wash.

Date sample collected	8/12/74	
Sample site number	1	
Depth sample collected (ft)	3	26
Total nitrate (N) (mg/L)	.00	.00
Total nitrite (N) (m/L)	.00	.00
Total ammonia (N) (mg/L)	.07	.27
Total organic nitrogen (N) (mg/L)	.31	.29
Total phosphorus (P) (mg/L)	.01	.04
Total orthophosphate phosphorus (P) (mg/L)	.01	.03
Specific conductance (micromhos)	27	35
Water temperature (°C)	19.3	8.7
Color (platinum-cobalt units)	25	65
Secchi-disc visibility (ft)	9	
Dissolved oxygen (mg/L)	7.6	0.1
Lake shoreline covered by emersed plants (pct)	76-100	
Lake surface covered by emersed plants (pct)	1-10	
Number of fecal coliform samples	3	
Fecal coliform, minimum (col/100 mL)	1	
Fecal coliform, maximum (col/100 mL)	2	
Fecal coliform, meen (col/100 mL)	1	

Ozette Lake, near Ozette, Wash.

Sample site number	1		2	
Depth sample collected (ft)	3	89	3	164
Total nitrate (N) (mg/L)	.01	.01	.01	.10
Total nitrite (N) (mg/L)	.00	.00	.00	.00
Total ammonia (N) (mg/L)	.08	.06	.06	.04
Total orgenic nitrogen (N) (mg/L)	.26	.32	.10	.03
Total phosphorus (P) (mg/L)	.00	.00	.01	.01
Total orthosphosphate phosphorus (P) (mg/L)	.00	.00	.00	.00
Specific conductance (micromhos)	39	41	40	40
Water temperature (°C)	19.6	7.4	19.6	7.3
Color (platinum-cobalt units)	15	20	35	40
Secchi-disc visibility (ft)	10		13	
Dissolved oxygen (mg/L)	9.0	7.4	8.9	10.2
Lake shoraline covered by emersed plants (pct)	76-100			
Lake surface covered by emersed plants (pct)	1-10			
Number of fecal coliform samples	8			
Fecal coliform, minimum (col/100 mL)	1			
Fecal coliform, maximum (col/100 mL)	2			
Fecal coliform, mean (col/100 mL)	1			

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallem County--Continued

12043150 Ozatte River at Ozetta, Wash.

Date sample collected	4/27	5/27	1976 6/21	7/21	11/11	2/8	3/9	1977 5/17	7/12	9/20
Discharge (ft^3/s)	--	--	--	--	173	420	1010	230	101	110
Total nitrate (N) (mg/L)	.05	--	--	--	--	--	--	--	--	--
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	.05	--	--	--	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	.12	--	--	--	--	--	--	--	--	--
Total Kjeldahl nitrogen (N) (mg/L)	.17	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.01	--	--	--	--	--	--	--	--	--
Total orthosphosphate phosphorus (P) (mg/L)	.00	--	--	--	--	--	--	--	--	--
Specific conductance (micromhos)	37	37	36	--	--	39	43	42	40	42
pH (units)	--	7.0	6.3	--	--	--	--	--	--	--
Temperature ($^{\circ}C$)	10.0	13.0	14.0	17.8	12.5	8.2	6.9	13.3	18.3	16.0
Turbidity (JTU)	0	0	1	--	0	0	1	0	0	0
Dissolved oxygen (mg/L)	11.0	9.8	--	9.3	9.4	11.7	11.6	10.0	9.2	9.2
Total immediate coliform (col/100 mL)	--	7	4	12	90	--	14	24	73	160
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	4	1	9	94	--	3	1	1	17

Seafield Lake near Ozatte, Wash.

Date sample collected		8/13/74	
Sample site number		1	
Depth sample collected	3		11
Total nitrate (N) (mg/L)	.00		.00
Total nitrate (N) (mg/L)	.01		.02
Total ammonia (N) (mg/L)	.25		.31
Total organic nitrogen (N) (mg/L)	.47		.42
Total phosphorus (P) (mg/L)	.02		.04
Total orthophosphate phosphorus (P) (mg/L)	.02		.04
Specific conductance (micromhos)	39		41
Water temperature ($^{\circ}C$)	19.2		11.3
Color (platinum-cobalt units)	240		280
Secchi-disc visibility (ft)		2	
Dissolved oxygen (mg/L)	6.9		0.1
Lake shoraline covered by emersed plants (pct)		76-100	
Lake surface covered by emersed plants (pct)		none or	1
Number of fecal coliform seples		3	
Fecal coliform minimum (col/100 mL)		1	
Fecal coliform, maximum (col/100 mL)		1	
Fecal coliform, meen (col/100 mL)		1	

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043156 Sooes River above Pilchuck Creek, Ozette Lake, near Ozette, Wash.

	1976				1977	
Date sample collected	4/21	6/2	8/25	11/17	1/18	3/23
Dissolved calcium (Ca) (mg/L)	4.7	--	6.6	--	--	--
Dissolved magnesium (Mg) (mg/L)	1.6	--	2.0	--	--	--
Dissolved sodium (Na) (mg/L)	4.0	--	4.7	--	--	--
Dissolved potassium (K) (mg/L)	.2	--	.4	--	--	--
Bicarbonate (HCO_3) (mg/L)	19	--	28	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	61	--	23	--	--	--
Dissolved sulfate (SO_4) (mg/L)	2.7	--	56	--	--	--
dissolved chloride (Cl) (mg/L)	4.6	--	4.9	--	--	--
Total nitrate (N) (mg/L)	.02	--	.01	--	--	--
Total nitrite (N) (mg/L)	.00	--	.00	--	--	--
Total ammonia (N) (mg/L)	.07	--	.03	--	--	--
Total Kjeldahl nitrogen (N) (mg/L)	.14	--	.10	--	--	--
Total phosphorus (P) (mg/L)	.01	--	.01	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	--	.01	--	--	--
Hardnass ($CaCO_3$) (mg/L)	18	--	25	--	--	--
Noncarbonte hardness (mg/L)	3	--	2	--	--	--
Specific conductance (micromhos)	46	52	68	40	38	53
pH (units)	6.7	7.1	7.6	6.9	7.2	6.9
Temperatue (°C)	6.5	8.5	14.6	10.2	7.8	6.2
Turbidity (JTU)	2	1	--	90	55	10
Dissolved oxygen (mg/L)	11.8	11.5	10.2	10.6	11.3	10.9
Total immediata coliform (col/100 mL)	30	--	800	2700	910	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	8	--	140	1	1	--
Oissolved chromium (Cr) (ug/L)	--	--	0	--	--	--
Dissolved copper (Cu) (ug/L)	--	--	1	--	--	--
Total mercury (Hg) (ug/L)	--	--	.0	--	--	--
Dissolved zinc (Zn) (ug/L)	--	--	0	--	--	--

12043159 Pilchuck Creek near Ozette, Wash.

	1976				1977		
Date sample collected	4/20	6/2	8/25	11/17	1/18	3/23	11/3
Dissolved calcium (Ca) (mg/L)	4.7	--	5.5	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	1.5	--	1.8	--	--	--	--
Dissolved sodium (Na) (mg/L)	3.9	--	4.9	--	--	--	--
Dissolved potaasium (K) (mg/L)	.6	--	.6	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	13	--	23	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	11	--	19	--	--	--	--
Dissolved aulfate (SO_4) (mg/L)	4.6	--	5.7	--	--	--	--
Dissolved chloride (Cl) (mg/L)	5.4	--	5.7	--	--	--	--
Total nitrate (N) (mg/L)	.00	--	.01	--	--	--	--
Total nitrite (N) (mg/L)	.01	--	.00	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	.01	--	.01	--	--	--	.24
Total ammonia (N) (mg/L)	.12	--	.06	--	--	--	.06
Total Kjaldahl nitrogen (N) (mg/L)	.22	--	.21	--	--	--	.27
Total phosphorus (P) (mg/L)	.02	--	.04	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	--	.01	--	--	--	--
Hardneas ($CaCO_3$) (mg/L)	18	--	21	--	--	--	--
Noncarbonate hardness (mg/L)	7	--	2	--	--	--	--
Specific conductance (micromhos)	40	48	65	46	38	68	55
pH (units)	6.5	6.7	7.2	6.5	6.9	6.8	6.5
Temperature (°C)	8.5	9.0	14.5	10.2	7.8	6.4	7.0
Turbidity	4	2	--	35	10	10	2
Dissolved oxgyen (mg/L)	11.5	10.4	9.0	95.	10.8	10.5	10.5
Total immediate coliform (col/100 mL)	35	--	870	3700	1500	--	230
Fecal coliform (0.7 um, membrane filtar) (col/100 mL)	12	--	36	130	6	--	44
Dissolved chromium (Cr) (ug/L)	--	--	0	--	--	--	--
Dissolved copper (Cu) (ug/L)	--	--	1	--	--	--	--
Dissolved lead (Pb) (ug/L)	--	--	2	--	--	--	--
Total mercury (Hg) (ug/L)	--	--	.0	--	--	--	--
Dissolved zinc (Zn) (ug/L)	--	--	0	--	--	--	

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043163 Sooes River below Miller Creek near Ozette, Wash.

Date sample collected	6/30/71	1976 4/20	6/2	8/25	11/17	1977 1/18	3/23
Discharge (ft^3/s)	--	230	144	49	870	1430	230
Dissolved calcium (Ca) (mg/L)	6.2	4.0	--	6.7	--	--	--
Dissolved magnesium (Mg) (mg/)	1.7	1.3	--	2.0	--	--	--
Dissolved sodium (Na) (mg/L)	--	3.8	--	4.9	--	--	--
Dissolved potassium (K) (mg/L)	--	.5	--	.5	--	--	--
Bicarbonate (HCO_3) (mg/L)	33	15	--	29	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	--	12	--	24	--	--	--
Dissolved sulfate (SO_4) (mg/L)	4.0	3.1	--	5.8	--	--	--
Dissolved chlorde (Cl) (mg/L)	--	5.1	--	5.3	--	--	--
Total nitrate (N) (mg/L)	.04	.01	--	.01	--	--	--
Total nitrite (N) (mg/L)	--	.01	--	.00	--	--	--
Total ammonia (N) (mg/L)	--	.12	--	.04	--	--	--
Total Kjeldahl nitrogen (N) (mg/L)	--	.26	--	.19	--	--	--
Total phosphorus (P) (mg/L)	--	.03	--	.01	--	--	--
Dissolved orthophosphate -phosphorus (P) (mg/L)	--	.01	--	.00	--	--	--
Hardness ($CaCO_3$) (mg/L)	22	15	--	25	--	--	--
Noncarbonate hardness (mg/L)	0	3	--	1	--	--	--
specific conductance (micromhos)	72	41	53	75	45	39	55
pH (units)	7.2	6.5	7.2	7.3	7.1	6.9	7.1
Temperature (^oC)	--	7.0	9.2	15.3	10.6	8.0	6.8
Turbidity (JTU)	--	7	2	--	22	45	15
Dissolved oxygen (mg/L)	--	12.0	11.2	9.7	10.3	10.1	11.1
Total immediate coliform (col/100 mL)	--	43	--	670	5400	1400	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	7	--	92	200	9	--
Dissolved chromium (Cr) (ug/L)	--	--	--	0	--	--	--
Dissolved copper (Cu) (ug/L)	6	--	--	1	--	--	--
Dissolved lead (Pb) (ug/L)	--	--	--	6	--	--	--
Total mercury (Hg) (ug/L)	--	--	--	0	--	--	--
Dissolved zinc (Zn) (ug/L)	20	--	--	0	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043173 Waatch River below Educkat Creek at Neah Bay, Wash.

	1971	1972		1976				1977		
Date sample collected	4/29[a]	1/19	4/7	4/20	6/2	8/25	11/16	1/18	3/22	11/2
Discharge (ft^3/s)	--	--	--	--	37	13	156	450	70	165
Dissolved silica (SiO_2) (mg/L)	6.0	3.5	2.8	--	--	--	--	--	--	--
Dissolved iron (Fe) (ug/L)	120	120	180	--	--	--	--	--	--	--
Dissolved manganese (Mn) (ug/L)	6	9	3	--	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	4.4	4.0	--	5.7	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	6.3	5.3	5.3	1.1	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	11	8.0	6.2	3.8	--	5.1	--	--	--	--
Dissolved potassium (K) (mg/L)	.7	.5	.4	.4	--	.4	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	26	51	24	12	--	20	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	21	42	20	10	--	16	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	16	13	7.8	4.3	--	6.3	--	--	--	--
Dissolved chloride (Cl) (mg/L)	9.5	7.2	5.5	6.6	--	5.9	--	--	--	--
Dissolved fluoride (F) (mg/L)	.1	.1	.1	--	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.11	.05	.02	.15	--	.15	--	--	--	--
Total nitrite (N) (mg/L)	.01	.01	.01	.01	--	.00	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	--	--	.16	--	.15	--	--	--	.69
Total ammonia (N) (mg/L)	--	--	--	.07	--	.03	--	--	--	.07
Total Kjeldahl nitrogen (N) (mg/L)	--	--	--	.17	--	.11	--	--	--	.20
Total phosphorus (P) (mg/L)	.03	.04	.02	.02	--	.01	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	--	--	--	.00	--	.01	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	18	10	--	19	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	23	--	2	9	--	--	--	--	--	--
Specific conductance (micromhos)	75	80	52	37	47	60	51	44	38	50
pH (unts)	7.4	7.0	6.5	6.6	6.9	7.1	7.0	7.3	6.9	6.3
Temperature (°C)	--	--	--	5.5	7.2	11.1	9.9	7.8	7.0	8.0
Color (platinum-cobalt units)	18	12	35	--	--	--	--	--	--	--
Turbidity (JTU)	1	2	2	4	1	--	2	8	1	1
Dissolved oxygen (mg/L)	--	--	--	11.9	11.8	10.0	10.7	11.5	10.3	11.3
Dissolved carbon dioxide (CO_2) (mg/L)	3.8	11	17	--	--	--	--	--	--	--
Total immediate coliform (col/100 mL)	--	--	--	4	280	560	1000	400	--	100
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	1	24	25	31	18	--	6

[a] Average of two samples.

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043176 Waatch River at Neah Bay, Wash.

	1976				1977		
Date sample collected	4/20	6/2	8/25[a]	11/17	1/18	3/22	11/2
Dissolved calcium (Ca) (mg/L)	3.2	--	7.4	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	1.8	--	7.3	--	--	--	--
Dissolved sodium (Na) (mg/L)	4.4	--	56	--	--	--	--
Dissolved potassium (K) (mg/L)	.4	--	2.6	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	11	--	23	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	9	--	19	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	4.2	--	18	--	--	--	--
Dissolved chloride (Cl) (mg/L)	6.5	--	97	--	--	--	--
Total nitrate (N) (mg/L)	.14	--	.15	--	--	--	--
Total nitrite (N) (mg/L)	.01	--	.00	--	--	--	--
Total nitrite plust nitrate (N) (mg/L)	.15	--	.15	--	--	--	.54
Total ammonia (N) (mg/L)	.08	--	.05	--	--	--	.12
Total Kjeldahl nitrogen (N) (mg/L)	.22	--	.16	--	--	--	.26
Total phosphorus (P) (mg/L)	.02	--	.02	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	--	.02	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	15	--	49	--	--	--	--
Noncerbonate hardness (mg/L)	6	--	30	--	--	--	--
Specific conductance (micromhos)	41	81	--	61	51	72	65
pH (units)	6.2	7.1	7.3	6.6	6.7	6.8	6.1
Temperature (°C)	5.5	8.8	12.0	9.4	8.2	7.0	8.3
Turbidity	3	1	--	4	3	1	2
Dissolved oxygen (mg/L)	11.6	11.8	8.0	10.6	11.2	10.9	10.5
Total immediate coliform (col/100 mL)	50	1400	660	900	580	--	160
Facal coliform (0.7 um,membrane filter) (col/100 mL)	5	62	64	72	19	--	3

12043186 Village Creek at Neah Bay, Wash.

	1976				1977		
Date sample collected	4/21	6/2	8/25	11/17	1/17	3/22	11/2
Dissolved calcium (Ca) (mg/L)	4.6	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	1.5	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	4.2	--	5.1	--	--	--	--
Diasolved potassium (K) (mg/L)	.3	--	.4	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	11	--	15	--	--	--	--
Alkalilty ($CaCO_3$) (mg/L)	9	--	12	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	3.8	--	6.7	--	--	--	--
Dissolved chloride (Cl) (mg/L)	6.6	--	6.5	--	--	--	--
Total nitrate (N) (m/g/L)	.02	--	.03	--	--	--	--
Total nitrite (N) (mg/L)	.00	--	.00	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	.02	--	.03	--	--	--	.22
Total ammonia (N) (mg/L)	.05	--	.03	--	--	--	.03
Total Kjeldahl nitrogen (N) (mg/L)	.18	--	.17	--	--	--	.10
Total phosphorus (P) (mg/L)	.01	--	.01	--	--	--	--
Dissolved orthophosphete phosphorus (P) (mg/L)	.00	--	.01	--	--	--	--
Nardnesa ($CaCO_3$) (mg/L)	18	--	--	--	--	--	--
Noncarbonata hardness (mg/L)	9	--	--	--	--	--	--
Specific conductance (micromhos)	40	51	65	46	43	50	53
pH (units)	6.7	6.8	7.3	6.4	7.7	6.7	6.9
Temperature (°C)	6.5	7.5	10.8	10.0	8.0	7.0	8.2
Turbidity (JTU)	1	1	--	5	7	1	1
Diasolved oxygen (mg/L)	--	11.4	9.1	11.4	11.5	11.4	11.1
Total immediate coliform (col/100 mg/L)	40	370	340	180	82	--	92
Fecal coliform (0.7 um, membrane filtar) (col/100 mL)	2	4	16	11	1	--	6

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallem County--Continued

12043190 Sail River near Neah Bay, Wash.

Date sample collected	6/30/71	1976 4/19	6/2	8/25	11/17	1977 1/17	3/22	11/2
Discharge (ft^3/s)	--	--	17	5.2	70	186	39	153
Dissolved calcium (Ca) (mg/L)	4.9	5.1	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	1.5	.9	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	--	4.2	--	6.1	--	--	--	--
Dissolved potassium (K) (mg/L)	--	.4	--	.4	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	24	15	--	21	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	20	12	--	17	--	--	--	--
Dissolved sulfate (SO_4) 9mg/L)	7.0	4.0	--	8.7	--	--	--	--
Dissolved chloride (Cl) (mg/L)	--	4.0	--	4.5	--	--	--	--
Total nitrate (N) (mg/L)	.26	.07	--	.26	--	--	--	--
Total nitrite (N) (mg/L)	--	.01	--	.00	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	.08	--	.26	--	--	--	.63
Total ammonia (N) (mg/L)	--	.06	--	.03	--	--	--	.05
Total Kjeldahl nitrogen (N) (mg/L)	--	.12	--	.20	--	--	--	.20
Total phosphorus (P) (mg/L)	--	.02	--	.01	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	--	.00	--	.01	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	18	16	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	0	4	--	--	--	--	--	--
Specific conductance (micromhos)	74	42	45	72	56	48	47	50
pH (units)	8.4	6.6	6.6	7.6	6.8	7.7	7.0	7.5
Temperature (^oC)	--	7.4	8.9	10.8	12.2	8.0	7.2	8.0
Turbidity (JTU)	--	6	5	--	2	6	1	1
Dissolved oxygen (mg/L)	--	12.0	11.6	--	10.8	11.9	11.5	10.3
Total immediate coliform (col/100 mL)	00	8	220	800	00	150	--	120
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	1	79	8	00	1	00	3
Dissolved copper (Cu) (ug/L)	11	--	--	--	--	--	--	--
Dissolved zinc (Zn) (ug/L)	40	--	--	--	--	--	--	--

Clallam River, near East Clellem, Wash. (Site 95)

Date sample collected	6/28/77
Dissolved iron (Fe) (ug/L)	50
Dissolved manganese (Mn) (ug/L)	31
Dissolved fluoride (F) (mg/L)	.0
Dissolved nitrate (N) (mg/L)	.5
Hardness ($CaCO_3$) (mg/L)	32
Specific conductance (micromhos)	80
Color (platinum-cobalt units)	14
Turbidity (JTU)	1
Dissolved arsenic (As) (ug/L)	10
Dissolved barium (Ba) (ug/L)	250
Dissolved cadmium (Cd) (ug/L)	2
Dissolved chromium (Cr) (ug/L)	10
Dissolved lead (Pb) (ug/L)	10
Dissolved mercury (Hg) (ug/L)	1
Dissolved selenium (se) (ug/L)	3
Dissolved silver (Ag) (ug/L)	10

12043365 Pysht River near Sappho, Wash. (Site 96)

Date sample collected	2/12/68	6/25/65
Dissolved silica (SiO^2) (mg/L)	9.3	8.8
Dissolved calcium (Ca) (mg/L)	7.0	8.8
Dissolved magnesium (Mg) (mg/L)	1.8	2.0
Dissolved sodium (Na) (mg/L)	4.3	5.2
Dissolved potassium (K) (mg/L)	.3	.5
Bicarbonate (HCO_3) (mg/L)	28	29
Alkalinity ($CaCO_3$) (mg/L)	23	32
Dissolved sulfate (SO_4) (mg/L)	6.4	7.8
Diasolved chloride (Cl) (mg/L)	4.5	.7
Dissolved fluoride (F) (mg/L)	.1	.1
Total nitrate (N) (mg/L)	.50	.10
Dissolved solids, residue at 180°C (mg/L)	52	57
Hardness ($CaCO_3$) (mg/L)	25	30
Noncarbonata hardness (mg/L)	2	0
Specific conductane (micromhos)	73	90
pH (units)	7.7	7.2
Temperature (^oC)	--	14.5
Color (platinum-cobalt units)	5	5
Turbidity (JTU)	0	--
Dissolved lithium (Li) (ug/L)	0	0
Dissolved stroutium (Sr) (ug/L)	20	0

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12043400 Pysht River near Pysht, Wash. (Site 6)

Date sample collected	1971	1972					1973					
	12/14	2/8	4/11	6/13	8/8	11/29	1/16	3/13	5/30	7/17	9/25	11/13
Discharge (ft^3/s)	620	575	315	16	7.8	--	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	4.5	4.6	4.8	9.1	8.7	7.9	4.1	5.6	7.9	9	11	--
Dissolved magnesium (Mg) (mg/L)	1.1	1.0	1.2	1.9	1.8	1.6	.9	1.2	1.4	2.0	2.1	--
Dissolved sodium (Na) (mg/L)	3.9	3.9	4.3	5.5	5.4	5.4	3.6	4.1	4.9	5.7	6.7	--
Dissolved potessium (K) (mg/L)	.1	.8	.6	.6	.5	.7	2.4	2.0	.4	.5	.5	--
Bicarbonate (HCO_3) (mg/L)	17	16	20	38	36	25	18	16	29	44	42	--
Alkalinity ($CaCO_3$) (mg/L)	14	13	165	31	30	21	15	13	24	36	34	--
Dissolved sulfete (SO_4) (mg/L)	--	--	--	--	--	10	6.1	13	9.4	10	14	--
Dissolved chloride (Cl) (mg/L)	3.6	2.6	2.9	3.7	3.2	3.5	3.5	3.4	3.5	4.1	4.5	--
Total nitrete (N) (mg/L)	--	--	--	--	--	1.1	.76	.38	.23	.08	.15	--
Dissolved nitrete (N) (mg/L)	.80	.11	.42	.07	.05	--	--	--	--	--	--	--
Total nitrite (N) (mg/L)	--	--	--	--	--	.00	.02	.00	.00	--	--	--
Dissolved nitrite (N) (mg/L)	.00	.00	.01	.01	.00	--	--	--	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	--	--	--	--	1.1	.78	.38	.23	--	--	1.3
Totel ammonie (N) (mg/L)	.03	.11	.04	.03	.02	.07	.27	.10	.05	.05	.02	.18
Totel ammonia plus organic nitrogen (N) (mg/L)	.14	.25	.05	.19	.14	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.04	.03	.04	.00	.02	.01	.15	.00	.00	.02	.00	.06
Dissolved orthophosphete phosphorus (P) (mg/L)	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
Hardness ($CaCO_3$) (mg/L)	16	16	17	31	29	26	14	19	26	33	36	--
Noncerbonate hardness (mg/L)	2	2	1	0	0	6	0	6	2	0	2	--
Specific conductance (micromhos)	59	57	18	104	106	67	62	86	83	110	120	71
pH (units)	7.2	7.7	7.3	7.2	7.1	7.3	7.2	6.8	7.6	7.4	7.4	6.9
Temperature (^oC)	5.2	4.7	51	13.0	18.6	4.4	5.0	6.8	10.4	15.2	11.4	6.6
Color (platinum-cobalt units)	55	35	18	18	15	2	70	30	25	23	47	55
Turbidity (JTU)	8	15	3	1	2	2	70	3	1	2	1	30
Dissolved oxygen (mg/L)	12.1	12.8	12.4	9.8	7.0	12.6	11.5	12.3	10.5	8.8	9.9	11.6
Dissolved carbon dioxide (CO_2)	--	--	1.6	3.8	4.6	2.0	1.8	4.1	1.2	2.8	2.7	--
Total immediate coliform (col/100 mL)	500	150	200	900	500	350	400	100	325	550	1500	660

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

Date sample collected	1974 1/23	3/19	5/15	7/23	9/17
Discharge (ft^3/s)	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	--	--	--	--	--
Dissolved potassium (K) (mg/L)	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	--	--	--	--	--
Total nitrate (N) (mg/L)	--	--	--	--	--
Dissolved nitrate (N) (mg/L)	--	--	--	--	--
Total nitrite (N) (mg/L)	--	--	--	--	--
Dissolved nitrite (N) (mg/L)	--	--	--	--	--
Total nitrite plus nitrate (N) (mg/	.46	.47	.26	.10	.11
Total ammonia (N) (mg/L)	.06	.07	.15	.13	.13
Total ammonia plus organic nitrogen (N) (mg/L)	--	--	--	--	--
Total phosphorus (P) (mg/L)	.03	.03	.02	.02	.02
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	.00	.01	.00	.01
Hardness ($CaCO_3$) (mg/L)	--	--	--	--	--
Noncarbonate hardness (mg/L)	--	--	--	--	--
Specific conductance (micromhos)	60	43	99	90	110
pH (units)	7.2	7.2	7.3	7.5	7.2
Temperature ($^{\circ}C$)	6.5	5.8	6.7	13.5	12.3
Color (platinum-cobalt units)	25	17	29	32	34
Turbidity (JTU)	10	7	6	4	2
Dissolved oxygen (mg/L)	12.3	12.3	12.5	10.3	9.6
Dissolved carbon dioxide (CO_2)	--	--	--	--	--
Total immediate coliform (col/100 m	390	280	450	1600	2100

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

Lyre River at railroad bridge below Lake Crescent, et Piedmont, Wash.

Date sample collected	9/30/7
Dissolved silica (SiO_2) (mg/L)	6.3
Dissolved iron (Fe) (ug/L)	160
Dissolved manganese (Mn) (ug/L)	6
Dissolved calcium (CaO (mg/L)	21
Dissolved magnesium (Mg) (mg/L)	5.8
Dissolved sodium (Na) (mg/L)	4.0
Dissolved potessium (K) (mg/L)	.4
Bicarbonate (HCO_3) (mg/L)	66
Alkalinity ($CaCO_3$) (mg/L)	54
Dissolved sulfete (SO_4) (mg/L)	13
Dissolved chloride (Cl) (mg/L)	3.D
Dissolved fluoride (F) (mg/L)	.1
Total nitrete (N) (mg/L)	.01
Total nitrite (N) (mg/L)	.01
Totel phosphorus (P) (mg/L)	.05
Hardness ($CeCO_3$) (mg/L)	52
Noncarbonate hardness (mg/L)	22
Specific conductence (micromhos)	112
pH (units)	7.D
Color (pletinum-cobalt units)	5
Turbidity (JTU)	0
Dissolved carbon dioxide (CO_2) (mg/L)	15

Crescent Leke (site 113)

Dete sample collected	7/27/71[a]	7/27/71[b]	7/27/71[c]
Dissolved chloride (Cl) (mg/L)	8.5	2.2	.2
Total nitrete (N) (mg/L)	.62	.26	.15
total nitrite (N) (mg/L)	.05	.D1	.00
Totel phosphorus (P) (mg/.00	.29	.14	.00
pH (units)	8.1	7.8	7.2

[a] Meximum value of 18 samples.

[b] Median value of 18 samples.

[c] Minimum value of 18 samples.

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash (Site 129)

	1959			1960								
Date sample collected	10/19	11/20	12/16	1/21	2/18	3/17	4/11	5/9	6/9	7/18	9/7	10/5
Discharge (ft^3/s)	616	6500	4910	627	1940	1060	1900	1770	2330	1510	--	348
Dissolved silica (SiO_2) (mg/L)	5.9	5.4	6.0	7.4	7.7	7.8	6.7	6.9	5.6	4.0	--	5.9
Total iron (Fe) (ug/L)	50	200	620	170	280	170	80	70	90	40	--	--
Dissolved iron (Fe) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	0
Dissolved calcium (Ca) (mg/L)	15	13	10	16	13	16	14	14	11	12	--	16
Dissolved magnesium (Mg) (mg/L)	.5	1.0	.9	1.6	1.5	1.2	.9	1.2	1.0	.8	--	1.2
Dissolved sodium (Na) (mg/L)	1.9	1.5	1.4	2.1	1.7	2.2	1.7	1.9	1.6	1.6	--	2.2
Dissolved potassium (K) (mg/L)	.6	.4	.4	.4	.1	.2	.2	.1	.1	.2	--	.0
Bicarbonate (HCO_3) (mg/L)	42	42	33	60	45	51	43	44	35	36	--	49
Alkalinity ($CaCO_3$) (mg/L)	34	34	27	41	37	42	35	36	29	30	--	40
Dissolved sulfate (SO_4) (mg/L)	8.0	4.9	6.4	9.0	6.8	8.7	7.0	1.0	5.8	6.4	--	89.8
Dissolved chloride (Cl) (mg/L)	.8	.0	.0	1.0	.6	1.0	.2	1.0	.5	.2	--	1.0
Dissolved fluoride (F) (mg/L)	.0	.3	.1	.1	.1	.1	.1	.1	.1	.0	--	.0
Dissolved nitrate (N) (mg/L)	.00	.02	.06	.00	.07	.02	.00	.00	.00	.00	--	.00
Total phosphorus (P) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	.02	.04	.00	.00	.01	.00	.00	.00	.00	--	.00
Dissolved solids, residue at $180^\circ C$ (mg/L)	55	55	46	66	54	65	52	54	42	47	--	67
Hardness ($CaCO_3$) (mg/L)	40	36	30	46	39	45	38	40	32	33	--	45
Noncarbonate hardness (mg/L)	5	2	2	6	2	3	4	4	3	4	--	5
Specific conductance (micromhos)	90	80	71	106	90	103	89	91	70	76	--	100
pH (units)	7.4	6.4	7.3	7..7	8.0	7.8	7.6	7.8	7.8	7.6	--	7.6
Temperature ($^\circ C$)	11.3	5.9	5.4	3.2	5.8	5.0	7.0	10.5	10.5	13.9	--	13.3
Color (platinum-cobalt units)	5	5	10	6	10	5	5	5	5	5	--	5
Dissolved oxygen (mg/L)	10.9	12.2	12.6	13.1	12.4	--	12.1	10.6	10.4	10.4	--	10.6
Complete coliform (MPN)	30	0	0	0	0	0	0	0	0	30	--	0
Dissolved arsenic (As) (ug/L)	--	0	--	--	--	--	0	--	--	--	0	--
Dissolved boron (B) (ug/L)	--	--	--	--	--	--	10	--	--	--	--	--
Dissolved chromium (Cr) (ug/L)	--	0	--	--	--	--	0	--	--	--	40	--
Dissolved copper (Cu) (ug/L)	--	0	--	--	--	--	--	--	--	--	0	--
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash (Site 129)--Continued

1961			1962					1963		1964		1965	1966	
1/5	4/4	7/17	11/1	2/14	5/14	8/14	12/13	6/17	12/23	6/15	12/14	6/2	2/7	7/1
2510	1940	1660	952	1190	1440	761	2970	1560	1230	3170	1240	2110	--	--
6.9	7.0	4.8	5.9	6.6	6.8	5.6	6.6	5.5	6.0	4.3	5.7	5.7	--	--
60	80	30	60	708	80	50	360	20	580	550	130	40	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	16	11	15	14	14	13	14	12	14	10	12	12	--	--
1.2	.9	.7	.6	1.1	1.3	.8	.5	1.0	.8	1.0	1.5	1.1	--	--
1.9	1.9	1.5	2.0	1.9	2.1	1.8	2.1	1.4	2.3	1.5	2.0	1.9	--	--
.0	.1	.0	.3	.3	.2	.4	.0	.2	.3	.1	.2	.4	--	--
44	44	34	44	43	44	39	40	37	41	32	41	38	--	36
36	36	28	36	35	36	32	33	30	34	26	34	31	--	30
7.4	8.6	6.6	8.6	8.2	8.2	8.0	8.2	7.2	7.4	5.8	7.2	7.2	--	--
.5	.8	.8	1.0	.8	.5	.5	1.0	.5	.8	.5	.5	1.0	--	--
.1	.1	.1	.1	.1	.1	.1	.1	.0	.1	.1	.0	.1	--	--
.02	.02	.02	.05	.07	.00	.02	.02	.00	.05	.02	.05	.07	--	--
--	--	--	--	--	--	--	--	--	--	--	.00	.00	--	--
.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	--	--	--	--
57	62	44	58	58	58	50	57	48	54	43	52	49	--	--
40	41	30	40	40	40	36	37	34	38	--	36	34	--	--
4	5	2	4	4	4	4	4	4	5	3	2	4	--	--
93	92	69	93	90	94	82	83	76	88	63	82	79	--	--
7.6	7.6	7.7	7.5	7.7	7.3	7.7	7.5	7.5	7.4	7.2	7.7	7.6	--	--
4.8	7.5	15.5	7.8	5.6	6.7	15.5	5.5	14.5	6.5	10.1	4.4	12.0	5.3	--
5	5	5	5	5	5	5	5	0	5	0	5	0	--	--
--	12.6	10.0	19.0	12.5	11.2	10.0	14.1	10.8	12.5	11.5	12.6	11.9	12.2	--
0	0	0	0	0	0	0	430	0	30	0	30	0	36	--
0	--	--	0	--	0	--	0	0	0	--	0	0	0	0
0	--	--	0	--	30	--	10	0	0	10	0	0	0	30
10	--	--	20	--	0	--	0	0	10	0	0	0	10	--
0	--	--	10	--	0	--	0	0	40	0	20	10	10	--
--	--	--	0	--	0	--	0	0	0	0	0	0	0	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

Date sample collected	1966 8/1	1967 5/17	1967 10/17	1968 4/17	1968 11/12	1974 9/3	1974 6/12	1974 10/25	1974 11/21	1974 12/18	1/21	2/19
Discharge (ft^3/s)	--	2680	1440	1040	1010	786	1460	444	2710	2010	1620	1070
Dissolved silica (SiO_2) (mg/L)	5.7	6.3	4.5	6.7	5.5	5.6	5.0	5.8	5.4	5.7	6.2	6.4
Total iron (Fe) (ug/L)	--	--	--	--	--	--	--	50	--	--	840	--
Dissolved iron (Fe) (ug/L)	--	--	--	--	--	--	--	30	--	--	10	--
Total manganese (Mn) (ug/L)	--	--	--	--	--	--	--	20	--	--	10	--
Suspended manganese (Mn) (ug/L)	--	--	--	--	--	--	--	0	--	--	10	--
Dissolved manganese (Mn) (ug/L)	--	--	--	--	--	--	--	20	--	--	0	--
Dissolved calcium (Ca) (mg/L)	12	15	12	15	11	14	11	15	17	14	14	15
Dissolved magnesium (Mg) (mg/L)	1.1	1.5	1.0	1.7	2.2	1.1	.9	.5	1.1	1.1	1.6	1.5
Dissolved sodium (Na) (mg/L)	.19	2.1	1.6	2.5	1.8	2.1	1.4	2.2	2.6	2.2	2.4	2.0
Dissolved potassium (K) (mg/L)	.4	.4	.1	.7	.2	.2	.2	.1	.5	.1	.4	.3
Bicarbonate (HCO_3) (mg/L)	--	47	37	52	40	42	34	46	48	38	40	46
Alkalinity ($CaCO_3$) (mg/L)	--	39	30	43	33	34	28	38	39	31	33	38
Diasolved sulfate (SO_4) (mg/L)	7.2	8.2	5.8	7.0	7.2	7.4	6.2	8.5	7.6	6.9	6.2	10
Dissolved chloride (Cl) (mg/L)	1.0	.5	.6	.7	.5	1.2	.3	1.0	.3	.2	.8	1.5
Dissolved fluoride (F) (mg/L)	.1	.1	.1	.1	.1	.1	.1	.0	.0.	.0	.0	.1
Total nitrate (N) (mg/L)	.07	--	--	--	--	--	--	--	--	--	--	--
Dissolved nitrate (N) (mg/L)	.05	.02	.00	.00	.00	.05	.07	--	--	--	--	--
Total nitrite (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	--	--	--	--	--	--	.02	.03	.05	.02	.03
Total ammonia (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Total ammonia plus organic nitrogen (N) (mg/L)	--	--	--	--	--	--	--	.05	.20	.11	.12	.10
Total nitrogen (N) (mg/L)	--	--	--	--	--	--	--	.07	.23	.15	.14	.13
Total phosphorus (P) (mg/L)	--	--	--	--	--	--	--	.02	.04	.02	.08	.02
Dissolved orthophosphate phosphorus (P) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved solids, residue at 180^oC (mg/L)	49	60	47	62	51	56	41	57	54	55	55	55
Hardness ($CaCO_3$) (mg/L)	--	44	34	45	37	40	31	40	47	40	42	44
Noncarbonate hardness (mg/L)	--	5	4	2	4	5	3	2	8	8	9	6
Specific conductance (micromhos)	--	96	72	100	83	90	71	76	99	89	95	100
pH (units)	--	8.1	7.7	7.7	7.5	7.3	7.2	7.2	7.2	7.4	6.9	7.4
Chlorophyll B periphyton, uncorr. (mg/m^2)	--	--	--	--	--	--	--	--	--	--	.200	--
Complata coliform (MPN)	0	--	--	--	--	--	--	--	--	--	--	--
Total immeiata coliform (col/100 mL)	--	--	--	--	--	--	--	26	38	42	2	14
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	--	0	10	2	1	5
Fecal streptococci (M-Fagar) (col/100 mL)	--	--	--	--	--	--	--	1	10	2	2	1
Total organic carbon (C) (mg/L)	--	--	--	--	--	--	--	1.0	--	--	1.9	--
Total aldrin (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--
Temperatura (^oC)	--	9.4	9.4	8.0	--	12.0	10.5	9.2	6.4	5.6	4.1	3.8
Color (platinum-cobalt units)	--	0	5	5	0	0	0	--	--	--	--	--
Turbidity (JTU)	--	--	--	--	--	--	--	1	20	2	10	4
Dissolved oxgyen (mg/L)	11.4	--	--	--	--	--	--	--	--	--	--	--
Dissolved carbon dioxide (CO_2) (mg/L)	--	--	--	--	--	--	--	4.6	4.8	2.4	9.1	2.9
Total phytoplankton (cells/mL)	--	--	--	--	--	--	--	580	100	17	34	66
Periphyton biomass, ash weight (g/m^2)	--	--	--	--	--	--	--	--	--	--	1.50	--
Periphyton biomass, total dry weight (g/m^2)	--	--	--	--	--	--	--	--	--	--	3.10	--
Chlorophyll A periphyton, uncorr. (mg/m^2)	--	--	--	--	--	--	--	--	--	--	.600	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1975										1976			
3/11	4/14	5/20	6/17	7/14	8/12	9/16	10/16	11/21	12/22	1/21	2/19	3/22	4/21
1270	877	1800	2450	2170	912	730	1240	2130	1340	2100	1530	1100	1010
6.0	6.3	5.3	4.6	4.2	4.5	5.3	4.7	5.9	5.9	5.4	6.1	6.6	6.3
--	120	--	--	320	00	00	90	--	--	1100	--	--	60
--	10	--	--	20	--	--	30	--	--	60	--	--	30
--	210	--	--	10	--	--	20	--	--	20	--	--	20
--	210	--	--	10	--	--	10	--	--	20	--	--	10
--	0	--	--	0	--	--	10	--	--	0	--	--	10
15	17	13	11	11	12	12	13	12	14	12	15	16	15
1.7	1.7	.9	.6	1.1	.8	.3	1.0	1.2	1.3	1.8	1.8	3.0	2.1
2.2	2.6	2.1	1.7	1.8	2.2	3.0	2.1	1.8	2.1	2.0	2.1	3.0	2.7
.3	.8	.3	.1	.1	.1	.1	.2	.2	.5	.4	.3	.3	.2
46	52	40	31	29	36	32	39	38	41	40	47	56	52
38	43	33	25	24	30	26	32	31	34	33	39	46	43
9.6	8.9	7.1	5.6	5.7	6.3	7.5	7.6	5.2	7.2	6.2	8.0	10	11
1.6	1.1	.5	1.3	.8	1.7	1.4	1.9	1.4	1.4	1.3	1.1	1.3	.8
.1	.1	.1	.1	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1
--	--	--	.02	.00	.00	.00	.02	.02	.00	.04	.02.	.01	.00
--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00
.02	.01	.01	.02	.00	.00	.00	.02	.03	.01	.04.	.02	.01	.00
--	--	--	.04	.05	.03	.03	.04	.13	.10	.10	.04	.02	.04
--	--	--	.04	.03	.11	.12	.08	.00	.03	.02	.02	.06	.06
.10	.07	.09	.08	.08	.14	.15	.12	.13	.13	.12	.06	.08	.10
.12	.08	.10	.10	.08	.14	.15	.14	.16	.14	.16	.8	..09	.10
.01	.00	.01	.03	.01	.01	.01	.01	.05	.03.	03	.01	.01	.01
--	--	--	.03	.00	.00	.00	.00	.00	.00	.02	.01	.01	.00
66	62	44	40	35	48	54	52	56	68	46	54	65	66
44	49	36	30	32	33	31	37	35	40	37	45	52	46
7	7	3	5	8	4	5	5	4	7	4	5	5	3
112	100	77	60	60	87	84	82	76	82	79	97	100	87
6.8	7.3	7.5	6.9	7.0	7.0	7.8	7.7	7.2	7.2	7.1	7.0	7.1	7.0
--	.100	6.8	6.6	10.6	14.4	10.6	9.4	4.0	4.4	4.0	4.4	4.6	5.7
--	--	--	--	--	--	--	--	--	--	--	--	--	--
1	4	2	4	3	7	1	2	25	10	10	3	2	1
3	1	--	--	--	--	--	--	--	--	--	--	--	--
2	1	2.0	6.2	4.6	5.8	.8	1.2	3.8	4.1	5.1	7.4	7.1	8.3
--	.4	190	120	12	38	100	11	0	10	2	140	120	160
--	--	--	--	.200	--	--	.000	--	--	--	--	--	--
3.5	5.5	--	--	.300	--	--	.000	--	--	--	--	--	--
--	--	--	--	.000	--	--	.000	--	--	--	--	--	--
1	1	--	--	.000	--	--	.000	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	4.2	11	18	2	5	10	95	27	11	4	7	2	14
170	260	2	1	1	1	1	1	1	1	3	1	2	3
--	1.00	1	1	3	3	1	1	2	1	1	1	1	1
--	2.10	--	--	2.7	--	--	--	--	--	.8	--	--	1.4
--	.700	ND	--	--	--	ND	--	--	ND	--	--	ND	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

	1976								1977			
Date sample collected	5/19	6/30	7/22	8/25	9/27	10/26	12/1	12/27	1/26	3/1	3/28	4/22
Discharge (ft^3/s)	2080	2590	1730	1000	698	572	435	1260	650	1030	704	872
Dissolved silica (SiO_2)	4.9	4.3	4.3	4.4	4.6	5.1	4.5	5.7	5.4	5.0	6.3	6.3
Total iron (Fe) (ug/L)	--	--	170	--	--	60	--	--	240	--	--	80
Dissolved iron (Fe) (ug/L)	--	--	10	--	--	30	--	--	10	--	--	10
Total manganese (Mn) (ug/L)	--	--	10	--	--	10	--	--	0	--	--	10
Suspended manganese (Mn) (ug/L)	--	--	10	--	--	10	--	--	0	--	--	0
Dissolved manganese (Mn) (ug/L)	--	--	0	--	--	0	--	--	0	--	--	10
Dissolved calcium (Ca) (mg/L)	12	10	11	13	14	15	14	15	14	13	15	16
Dissolved magnesium (Mg) (mg/L)	.9	.9	.7	1.0	1.1	1.2	1.3	1.8	1.2	1.1	1.7	1.3
Dissolved sodium (Na) (mg/L)	1.4	1.3	1.3	1.8	1.8	2.1	1.9	2.1	1.8	2.2	2.6	2.5
Dissoved potassium (K) (mg/L)	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2
Bicarbonate (HCO_3) (mg/L)	35	33	31	37	41	43	45	45	40	41	44	45
Alkalinity ($CaCO_3$) (mg/L)	29	27	25	30	34	35	37	37	33	34	36	37
Dissolved sulfate (SO_4) (mg/L)	6.9	7.0	6.0	7.5	8.3	7.9	8.7	8.4	8.2	8.4	9.7	7.5
Dissolved chloride (Cl) (mg/L)	.9	1.0	.8	1.1	2.2	.8	.8	1.1	2.1	.8	1.3	1.5
Dissolved fluoride (F) (mg/L)	.1	.1	.2	.1	.2	.0	.1	.1	.1	.0	.1	.0
Total nitrate (N) (mg/L)	.02	.00	.00	.00	.00	.00	.01	.04	.03	.03	.00	.00
Total nitrite (N) (mg/L)	.00	.00	.00	.00	.00	.00	.01	.04	.03	.03	.00	.00
Total nitrite plus nitrate (N) (mg/L)	.02	.00	.00	.00	.00	.00	.01	.04	.04	.03	.01	.00
Total ammonia (N) (mg/L)	.04	.02	.02	.02	.01	.02	.01	.02	.04	.02	.04	.03
Total organic nitrogen (N) (mg/L)	.05	.02	.00	.00	.01	.07	.07	.11	.05	.08	.10	.04
Suspended ammonia plus organic nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved ammonia plus organic nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Total nitrogen (N) (mg/L)	.11	.04	.02	.02	.02	.09	.10	.17	.13	.13	.15	.07
Total phosphorus (P) (mg/L)	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
Oissolved phosphorus (P) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01
Dissolved solids, residue at 180°C (mg/L)	50	45	30	45	56	63	51	68	59	50	50	57
Suspended solids, at 105°C (mg/L)	--	--	--	0	5	13	5	0	0	0	4	10
Suspended solids, at 110°C (mg/L)	--	--	0	--	5	--	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	34	29	30	37	40	42	40	45	40	37	44	45
Noncarbonate hardness (mg/L)	5	2	5	6	6	7	3	9	7	3	8	8
Specific conductance (micromhos)	69	62	63	62	65	88	88	86	70	82	90	100
pH (units)	7.1	7.3	7.1	7.2	7.2	6.6	7.1	7.0	7.0	7.0	7.1	7.0
Temperature (°C)	7.2	8.9	9.4	10.8	11.6	9.1	4.9	4.6	2.6	4.4	5.4	8.5
Turbidity (JTU)	2	1	1	1	2	1	1	2	2	2	3	2
Dissolved oxygen (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved carbon dioxide (CO_2) (mg/L)	4.4	2.6	3.9	3.7	4.1	17	5.7	7.2	6.4	5.5	5.6	7.2
Total phytoplankton (cells/mL)	75	140	60	70	300	210	8	90	58	--	--	--
Periphyton biomass, ash weight (g/m^2)	--	--	--	.077	.462	.538	--	--	--	--	--	--
Periphyton biomass, total dry weight (g/m^2)	--	--	--	.154	.615	.692	--	--	--	--	--	--
Chlorophyll A periphyton, uncorr. (mg/m^2)	--	--	--	.000	--	--	--	--	--	--	--	--
Chlorophyll A periphyton, chromographic fluorom. (mg/m^2)	--	--	--	--	--	--	--	--	--	--	--	--
Chlorophyll B periphyton, uncorr. (mg/m^2)	--	--	--	.00	--	--	--	--	--	--	--	--
Chlorophyll B periphyton, chromographic fluorom. (mg/m^2)	--	--	--	--	--	--	--	--	--	--	--	--
Total immediste coliform (col/100 mL)	5	10	4	16	1	28	20	59	33	32	46	16
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	1	1	1	1	1	1	--	--	--	--	--	--

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1977								1978					
5/26	6/30	7/25	8/31	9/21	10/25	11/14	12/19	1/30	2/21	3/15	4/18	5/30	6/19
1140	1170	668	566	1100	2000	5080	2060	1240	920	848	836	1340	1870
5.3	4.4	4.9	5.2	5.1	6.3	5.5	6.4	6.6	6.9	5.8	6.4	4.6	5.4
--	--	260	--	--	880	--	--	240	--	--	360	--	--
--	--	20	--	--	30	--	--	10	--	--	60	--	--
--	--	4	--	-	30	--	--	20	--	--	20	--	--
--	--	4	--	--	20	--	--	10	--	--	10	--	--
--	--	0	--	--	10	--	--	10	--	--	10	--	--
14	11	13	19	14	17	14	12	15	16	9.5	15	15	11
1.0	.8	1.0	1.1	1.1	.6	1.1	1.5	1.3	1.4	1.6	1.5	1.2	.8
2.1	2.1	1.8	2.4	1.9	2.1	1.7	1.6	1.6	1.6	3.2	1.9	1.8	1.5
.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.5	.1	.1	.2
40	32	37	38	39	42	34	39	46	44	33	47	39	34
33	26	30	31	32	34	28	32	38	36	27	39	32	28
7.5	6.2	6.1	8.4	5.9	7.8	7.5	9.3	11	8.4	4.6	8.5	7.9	8.1
.9	.8	.9	.8	.1.1	1.1	1.2	1.1	1.0	1.1	.9	1.0	.9	.7
.0	.0	.0	.1	.1	.1	.0	.1	.1	.1	.1	.0	.1	.1
.01	.00	.00	.01	.01	--	--	--	--	--	--	--	--	--
.01	.00	.00	.00	.00	--	--	--	--	--	--	--	--	--
.01	.00	.00	.01	.01	.00	.05	.03	.32	.01	.13	.05	.02	.01
.02	.03	.03	.05	.02	.00	.02	.02	.01	.00	.00	.01	.00	.01
.16	.04	.05	.04	.04	--	--	--	.30	.06	.05	.22	--	.23
--	--	--	--	--	--	--	--	.26	.04	.04	.23	--	.16
--	--	--	--	--	.05	--	.00	.05	.02	.01	.00	.10	.08
.19	.07	.08	.10	.07	--	--	--	.63	.07	.18	.28	--	.25
.01	.01	.00	.01	.01	.03	.08	.03	.01	.01	.01	.01	.00	.01
--	--	--	--	--	.00	.00	.03	.01	.01	.00	.00	.00	.01
.00	.00	.00	.00	.01	--	--	--	--	--	--	--	--	--
46	45	435	52	49	56	48	45	49	52	42	60	51	38
1	1	22	0	8	18	80	--	13	9	6	1	5	41
--	--	--	--	--	--	--	--	--	--	--	--	--	--
39	31	37	52	40	45	40	36	43	46	30	44	42	31
6	5	6	21	8	10	12	4	5	10	3	5	10	3
82	65	81	77	81	88	70	79	82	88	85	84	80	61
7.4	7.0	7.0	7.2	7.2	7.6	7.4	6.8	7.9	7.3	7.4	7.7	--	8.0
8.0	11.7	14.3	13.6	12.4	9.1	6.2	4.2	4.7	5.4	5.4	6.5	9.7	10.6
1	1	1	1	1	10	70	25	6	2	1	1	1	1
--	--	--	--	--	9.6	10.9	12.9	12.9	13.4	12.8	12.4	11.5	11.2
2.5	5.1	5.9	3.8	3.9	1.7	2.2	9.9	.9	3.6	2.1	1.5	--	--
160	420	64	21	140	--	0	--	--	--	--	--	660	--
--	2.75	2.99	--	--	.472	--	--	.945	--	--	9.68	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	.070	.034	--	--	.000	--	--	.460	--	--	4.55	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	2.39	2.60	--	--	.236	--	--	.709	--	--	7.24	--	--
--	.015	.019	--	--	.000	--	--	.000	--	--	2.16	--	--
1	110	11	60	290	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

	1966	1967		1968		1974					1975			
Date sample collected	8/1	5/17	10/17	4/17	11/12	9/3	6/12	10/25	11/21	12/18	1/21	2/19	3/11	4/14
Total atrazine (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total chloridane (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total DDD (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total DDE (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total DDT (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total diazinon (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total dieldrin (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total endrin (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total ethion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total heptochlor (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total ehptachlor epoxide (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total lindane (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total malathion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total methoxychlor (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total methyl parathion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total methyl trithion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total parathion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total trithion (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total toxaphene (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total 2, 4-D (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total 2, 4, 5-T (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total silvex (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total arsenic (As) (ug/L)	--	--	--	--	--	--	--	0	--	--	0	--	--	0
Dissolved aresenic (As) (ug/L)	--	0	0	--	--	--	--	0	--	--	0	--	--	0
Dissolved boron (B) (ug/L)	--	40	10	--	20	--	--	--	--	--	--	--	--	--
Total cadmium (Cd) (ug/L)	--	--	--	--	--	--	--	10	--	--	10	--	--	20
Dissolved cadmium (Cd) (ug/L)	--	--	--	--	--	--	--	0	--	--	1	--	--	0
Total chromium (Cr) (ug/L)	--	--	0	--	0	0	--	0	--	--	0	--	--	0
Dissolved chromium (Cr) (ug/L)	10	0	--	--	--	--	--	0	--	--	0	--	--	0
Total cobalt (Co) (ug/L)	--	--	--	--	--	--	--	50	--	--	50	--	--	50
Dissolved cobalt (Co) (ug/L)	--	--	--	--	--	--	--	0	--	--	0	--	--	0
Total copper (Cu) (ug/L)	--	--	--	--	--	--	--	10	--	--	30	--	--	10
Dissolved copper (Cu) (ug/L)	20	0	0	--	0	0	--	5	--	--	7	--	--	1
Total lead (Pb) (ug/L)	--	--	--	--	--	--	--	100	--	--	100	--	--	100
Dissolved lead (Pb) (ug/L)	--	--	--	--	--	--	--	5	--	--	0	--	--	3
Total mercury (Hg) (ug/L)	--	--	--	--	--	--	--	.0	--	--	.0	--	--	.1
Dissolved mercury (Hg) (ug/L)	--	--	--	--	--	--	--	.0	00	00	.0	--	--	.1
Total selenium (Se) (ug/L)	--	--	--	--	--	--	--	0	--	--	1	--	--	0
Dissolved selenium (Se) (ug/L)	--	--	--	--	--	--	--	0	--	--	0	--	--	0
Total zinc (Zn) (ug/L)	--	--	--	--	--	--	--	120	--	--	30	--	--	50
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	--	50	--	--	6	--	--	10

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1975								1976			
5/20	6/17	7/14	8/12	9/16	10/16	11/21	12/22	1/21	2/19	3/22	4/21
--	--	--	--	--	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
ND	--	--	--	ND	--	--	ND	--	--	ND	--
--	--	--	--	--	--	--	ND	--	--	ND	--
--	--	--	--	--	--	--	ND	--	--	ND	--
--	--	--	--	--	--	--	ND	--	--	ND	--
--	--	0	--	--	1	--	--	0	--	--	1
--	--	0	--	--	1	--	--	0	--	--	1
--	--	--	--	--	--	--	--	--	--	--	--
--	--	10	--	--	0	--	--	10	--	--	10
--	--	0	--	--	0	--	--	0	--	--	1
--	--	0	--	--	50	--	--	0	--	--	0
--	--	0	--	--	0	--	--	0	--	--	0
--	--	50	--	--	60	--	--	50	--	--	50
--	--	1	--	--	3	--	--	0	--	--	1
--	--	10	--	--	0	--	--	20	--	--	10
--	--	6	--	--	2	--	--	2	--	--	2
--	--	100	--	--	100	--	--	100	--	--	100
--	--	5	--	--	3	--	--	3	--	--	10
--	--	.0	--	--	.0	--	--	.1	--	--	.1
--	--	.0	--	--	.0	--	--	.0	--	--	.1
--	--	0	--	--	0	--	--	0	--	--	0
--	--	0	--	--	0	--	--	0	--	--	0
--	--	30	--	--	20	--	--	20	--	--	0
--	--	30	--	--	10	--	--	10	--	--	0

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

	1976								1977				
Date sample collected	5/19	6/30	7/22	8/25	9/27	10/26	12/1	12/27	1/26	3/1	3/28	4/22	5/26
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	1	2	1	60	1	1	1
Fecal streptococci (M-F agar) (col/100 mL)	1	1	3	15	4	8	1	8	3	1	1	1	3
Fecal streptococci (KF agar) (col/100 mL)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total organic carbon (C) (mg/L)	--	--	1.5	--	--	.5	--	--	.8	--	--	1.3	--
Dissolved organic carbon (C) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total aldrin (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total atrazine (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total chlordane (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total DDD (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total DDE (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total DDT (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total diazinon (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total dieldrin (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total endrin (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total ethion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total heptachlor (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total heptachlor expoxide (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total lindane (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total malathion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total methoxychlor (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total methyl parathion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total methyl trithion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total parathion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total PCB (ug/L)	--	--	--	--	--	--	--	--		--	--	--	--
Total coulson cond. simazine (ug/L)	--	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total toxaphene (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total trithion (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total 2,4-D (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total 2,4,5-T (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total silvex (ug/L)	ND	--	--	ND	--	--	--	--	--	ND	--	--	ND
Total arsenic (As) (ug/L)	--	--	1	--	--	0	--	--	0	--	--	0	--
Dissolved arsenic (As) (ug/L)	--	--	1	--	--	0	--	--	0	--	--	0	--
Total barium (Ba) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved barium (Ba) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total cadmium (Cd) (ug/L)	--	--	10	--	--	10	--	--	10	--	--	10	--
Dissolved cadmium (Cd) (ug/L)	--	--	2	--	--	0	--	--	0	--	--	1	--
Total chromium (Cr) (ug/L)	--	--	0	--	--	0	--	--	0	--	--	0	--
Dissolved chromium (Cr) (ug/L)	--	--	10	--	--	0	--	--	0	--	--	0	--
Total cobalt (Co) (ug/L)	--	--	50	--	--	50	--	--	50	--	--	50	--
Dissolved cobalt (Co) (ug/L)	--	--	0	--	--	0	--	--	0	--	--	0	--
Total copper (Cu) (ug/L)	--	--	10	--	--	10	--	--	10	--	--	10	--
Dissolved copper (Cu) (ug/L0	--	--	2	--	--	1	--	--	3	--	--	5	--
Total lead (Pb) (ug/L)	--	--	100	--	--	100	--	--	100	--	--	100	--
Dissolved leed (Pb) (ug/L)	--	--	1	--	--	1	--	--	0	--	--	3	--
Total mercury (Hg) (ug/L)	--	--	.0	--	--	--	--	--	.0	--	--	.0	--
Dissolved mercury (Hg) (ug/L)	--	--	.0	--	--	.0	--	--	.0	--	--	.0	--
Total selenium (Se) (ug/L)	--	--	0	--	--	0	--	--	0	--	--	0	--
Dissolved selenium (Se) (ug/L)	--	--	0	--	--	0	--	--	0	--	--	0	--
Total silver (Ag) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved silver (ag) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--
Total zinc (Zn) (ug/L)	--	--	10	--	--	10	--	--	30	--	--	20	--
Dissolved zinc (Zn) (ug/L)	--	--	0	--	--	10	--	--	20	--	--	20	--

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1977						1978						
6/30	7/25	8/31	9/21	10/25	11/14	12/19	1/30	2/21	3/14	4/18	5/30	6/19
1	1	2	6	3	1	1	1	180	1	1	1	6
1	10	--	12	19	30	2	1	1	1	2	--	--
--	--	--	--	--	--	--	--	--	--	--	2	3
--	1.5	--	--	--	1.9	.6	--	.6	1.1	--	1.1	7.9
--	--	--	--	1.4	--	--	3.6	--	--	5.0	--	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	--	ND	--	--	ND	--	--	ND	--	--	ND	--
--	0	--	--	1	--	--	1	--	--	4	--	--
--	0	--	--	0	--	--	0	--	--	3	--	--
--	--	--	--	0	--	--	0	--	--	0	--	--
--	--	--	--	0	--	--	0	--	--	0	--	--
--	10	--	--	10	--	--	2	--	--	2	--	--
--	1	--	--	2	--	--	1	--	--	1	--	--
--	0	--	--	4	--	--	10	--	--	10	--	--
--	0	--	--	0	--	--	0	--	--	0	--	--
--	50	--	--	50	--	--	1	--	--	2	--	--
--	0	--	--	0	--	--	0	--	--	2	--	--
--	10	--	--	10	--	--	19	--	--	5	--	--
--	3	--	--	3	--	--	2	--	--	1	--	--
--	100	--	--	100	--	--	22	--	--	8	--	--
--	9	--	--	5	--	--	11	--	--	7	--	--
--	.0	--	--	.0	--	--	13	--	--	.0	--	--
--	.0	--	--	.0	--	--	.3	--	--	.0	--	--
--	0	--	--	0	--	--	0	--	--	0	--	--
--	0	--	--	0	--	--	0	--	--	0	--	--
--	--	--	--	10	--	--	2	--	--	0	--	--
--	--	--	--	0	--	--	0	--	--	0	--	--
--	10	--	--	40	--	--	100	--	--	10	--	--
--	4	--	--	10	--	--	10	--	--	10	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

Data sample collected	1978 7/26	8/29	9/13	10/25	11/28	12/15	1979 1/18	2/13	3/21	4/18	5/15
Discharge (ft^3/s)	968	686	992	--	--	--	--	--	--	--	--
Dissolved silica (SiO_2) (mg/L)	5.0	4.9	5.2	5.2	5.4	6.0	5.3	5.7	6.5	6.6	5.0
Total iron (Fe) (ug/L)	160	--	--	520	--	--	300	--	--	140	--
Suspended iron (Fe) (ug/L)	110	--	--	430	--	--	150	--	--	130	--
Dissolved iron (Fe) (ug/L0	50	--	--	90	--	--	150	--	--	10	--
Total manganese (Mn) (ug/L)	10	--	--	30	--	--	60	--	--	20	--
Suspended manganese (Mn) (ug/L)	10	--	--	20	--	--	0	--	--	10	--
Dissolved manganese (Mn) (ug/L)	0	--	--	10	--	--	60	--	--	9	--
Dissolved calcium (Ca) (mg/L)	12	13	13	9.0	14	15	16	15	14	15	14
Dissolved magnesium (Mg) (mg/L)	1.0	1.0	1.2	1.0	1.1	1.3	1.5	1.4	4.9	1.4	1.2
Dissolved sodium (Na) (mg/L)	2.0	1.8	2.9	2.8	1.9	2.1	2.4	2.3	2.1	2.2	2.2
Dissolved potassium (K) (mg/L)	.1	.1	.2	.3	.2	.3	.2	.1	.2	.1	.0
Bicarbonate (HCO_3) (mg/L)	35	38	37	26	43	43	44	38	41	40	31
Alkalinity ($CaCO_3$) (mg/L)	29	31	30	21	35	35	36	31	34	33	25
Dissolved sulfate (SO_4) (mg/L)	7.9	11	11	7.0	11	9.3	10	9.5	15	12	7.0
Dissolved chloride (Cl) (mg/L)	.7	.9	1.0	2.7	1.1	1.0	1.2	1.6	1.2	.9	1.5
Dissolved fluoride (F) (mg/L)	.0	.0	.1	.0	.0	.0	.1	.1	.1	.1	.1
Total nitrite plus nitrate (N) (mg/L)	.00	.01	.02	.02	.03	.04	.10	.05	.02	.02	.01
Dissolved nitrite plus nitrate (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	.00	.01	.00	.01	.01	.00	.00	.02	.00	.01	.00
Dissolved ammonia (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	.15	.20	.24	.18	.09	.05	.04	.01	.02	.12	.06
Dissolved organic nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--
Total ammonia plus organic nitrogen (N) (mg/L)	.15	.21	.24	.19	.13	.05	.06	.05	.04	.13	.06
Suspended ammonia plus organic nitrogen (N) (mg/L)	.05	.10	.03	.04	.00	.02	.00	.00	.00	.07	.04
Dissolved ammonia plus organic nitrogen (N) (mg/L)	.11	.11	.21.	15	.13	.03	.06	.05	.04	.05	.02
Total nitrogen (N) (mg/L)	.15	.22	.26	.21	.13	.09	.14	.08	.04	.15	.07
Dissolved nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.00	.02	.01	.01	.02	.01	.01	.04.	01	.01	.04
Dissolved phosphorus (P) (mg/L)	.00	.01	.00	.00	.01	.00	.01	.02	.01	.00	.00.
Dissolved solids, residue at 180°C (mg/L)	42	51	52	45	54	52	67	60	52	54	58
Suspended solids, residue at 180°C (mg/L)	12	11	6	--	--	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	34	37	37	27	40	43	46	43	55	43	40
Noncarbonate hardness (mg/L)	5	6	7	6	5	8	10	12	21	10	15
Specific conductance (micromhos)	79	80	78	73	91	102	101	92	80	99	90
pH (units)	7.6	7.4	7.2	7.6	7.7	7.7	7.7	7.8	7.4	7.9	7.5
Temperature (°C)	14.3	15.3	10.9	6.6	4.6	3.3	1.2	3.0	6.0	6.0	9.5
Turbidity (JTU)	1	1	4	2	7	2	2	3	5	1	2
Dissolved oxygen (mg/L0	10.6	10.2	10.8	11.3	13.1	13.2	13.4	13.2	12.4	12.7	11.3
Total phytoplankton (cells/mL)	160	5	14	--	54	---	--	--	25	--	1800
Periphyton biomass, ash weight (g/m^2)	2.13	--	--	.472	--	--	4.49	--	--	--	--
Periphyton biomass, total dry weight (g/m^2)	3.23	--	--	.630	--	-	4.80	--	--	--	--
Chlorophyll A periphyton, chromographic fluorom. (mg/m^2)	.510	--	--	1.00	--	--	1.63	--	--	--	--
Chlorophyll B periphyton, chromographic fluorom. (mg/m^2)	.420	--	--	.310	--	--	.900	--	--	--	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	2	2	7	1	5	1	1	1	1	1	1
Fecal streptococci (KF agar) (col/100 mL)	5	2	11	1	2	1	1	2	1	1	1
Total organic carbon (C) (mg/L)	--	.8	1.0	--	.9	.7	--	.8	1.6	--	1.8

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1979							1980
6/21	7/17	8/15	9/12	10/17	11/14	12/12	1/16
--	--	--	--	--	--	--	--
3.8	4.7	5.6	5.2	5.4	5.6	5.7	6.7
--	170	--	--	80	--	--	2200
--	160	--	--	50	--	--	2100
--	10	--	100	30	--	--	60
--	20	--	--	20	--	--	20
--	20	--	--	0	--	--	20
--	1	--	5	20	--	--	4
13	11	14	13	15	13	12	13
.8	.9	1.1	1.1	1.3	1.2	1.0	1.1
1.8	1.4	2.3	2.0	3.2	1.9	2.0	1.9
.2	.3	.1	.1	.1	.2	.2	.0
28	27	32	32	38	39	35	39
23	22	26	26	31	32	29	32
7.6	13	11	11	14	12	9.4	6.7
.8	.9	.9	3.1	1.0	.9	1.0	1.6
.0	.1	.1	.1	.1	.1	.1	.1
.02	.01	.05	.02	.03	.08	.08	.04
--	--	--	.04	.02	.05	.05	.03
.02	.02	.00	.01	.00	.01	.03	.00
--	--	--	--	.00	--	.02	.00
.04	.06	.11	.22	1.2	.38	.37	.80
--	--	--	--	1.2	--	.30	.76
.06	.17	.18	.23	1.2	.38	.40	.80
.06	.00	.00	.01	.00	.16	.08	.04
.00	.17	.18	.22	1.2	.23	.32	.76
.08	.09	.16	.25	1.2	.47	.48	.84
--	--	--	.26	1.2	.28	.37	.79
.00	.01	.02	.03	.01	.01	.09	.03
.00	.00	.00	.01	.01	.01	.00	.02
48	42	50	90	59	72	57	56
--	--	--	--	--	--	--	--
36	31	40	37	43	37	34	37
13	9	14	11	12	5	5	5
72	78	86	82	102	90	77	84
8.0	7.2	7.5	7.1	5.9	7.3	7.3	8.1
9.5	12.9	14.0	1.17	10.2	4.8	4.6	4.0
1	1	2	5	1	5	75	33
11.1	11.0	10.1	10.6	11.1	12.3	12.2	--
610	--	--	--	--	--	--	--
1.26	2.60	--	--	100	--	--	--
1.42	2.68	--	--	.620	--	--	--
.810	.640	--	--	.450	--	--	--
.310	.090	5	5	2	1	11	--
1	1	32	28	2	5	3	--
2	44	1.0	--	--	5.5	2.2	--
.4	--						

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash (Site 129) (continued)

	1978										
Date sample collected	7/26	8/29	9/13	10/25	11/28	12/15	1/18	2/13	3/21	4/18	5/15
Dissolved organic carbon (C) (mg/L)	1.1	--	--	3.6	--	--	.8	--	--	1.3	--
Total aldrin (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total atrazine (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total chlordane (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total DDD (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total DDE (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total DDT (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total diazinon (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total dieldrin (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total endrin (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total ethion (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total heptachlor (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total heptachlor epoxide (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total lindane (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total malation aldrin (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total mathoxychlor (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total mathyl parathion (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total mathyl trithion (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total parathion (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total PCB (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total coulson cond. simazine (ug/L)	--	ND	--	--	--	--	--	--	--	--	--
Total toxaphene (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total trithion (ug/L)	--	ND	--	--	ND	--	--	--	ND	--	ND
Total 2, 4-D (ug/L)	--	ND	--	--	--	--	--	--	--	--	--
Total 2,4,5-T (ug/L)	--	ND	--	--	--	--	--	--	--	--	--
Total silvex (ug/L)	--	ND	--	--	--	--	--	--	--	--	--
Total arsenic (As) (ug/L)	--	--	--	0	--	--	1	--	--	0	--
Dissolved arsenic (As) (ug/L)	1	--	--	0	--	--	0	--	--	0	--
Total barium (Ba) (ug/L)	300	--	--	0	--	--	10	--	--	4	--
Dissolved bariuom (Ba) (ug/LO	100	--	--	0	--	--	0	--	--	0	--
Total cadmium (Cd) (ug/L)	2	--	--	2	--	--	2	--	--	2	--
Dissolved cadmium (Cd) (ug/L)	1	--	--	1	--	--	1	--	--	1	--
Total chromium (Cr) (ug/L)	10	--	--	0	--	--	0	--	--	0	--
Dissolved chromium (Cr) (ug/L)	D	--	--	0	--	--	0	--	--	0	--
Total cobalt (Co) (ug/L)	2	--	--	0	--	--	3	--	--	3	--
Dissolved cobalt (Co) (ug/L)	1	--	--	0	--	--	2	--	--	0	--
Total copper (Cu) (ug/L)	9	--	--	7	--	--	11	--	--	8	--
Dissolved copper (Cu) (ug/L)	4	--	--	4	--	--	1	--	--	0	--
Total lead (Pb) (ug/L)	17	--	--	10	--	--	5	--	--	66	--
Dissolved leed (Pb) (ug/L)	6	--	--	0	--	--	3	--	--	0	--
Total marcury (Hg) (ug/L)	.0	--	--	.0	--	--	.0	--	--	.0	--
Dissolved mercury (Hg) (ug/L)	.0	--	--	.0	--	--	.0	--	--	.0	--
Total nickel (Ni) (ug/L)	--	--	--	--	--	--	--	--	--	--	--
Dissolved nickel (Ni) (ug/L)	--	--	--	--	--	--	--	--	--	--	--
Total selenium (Se) (ug/L)	--	--	--	0	--	--	0	--	--	0	--
Dissolved selenium (Se) (ug/L)	0	--	--	0	--	--	0	--	--	0	--
Total silver (Ag) (ug/L)	1	--	--	0	--	--	0	--	--	3	--
Dissolved silver (Ag) (ug/L)	0	--	--	D	--	--	0	--	--	0	--
Totel zinc (Zn) (ug/L)	20	--	--	2D	--	--	30	--	--	10	--
Dissolved zinc (Zn)	20	--	--	10	--	--	6	--	--	3	--

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129) (continued)

1979							1980
6/21	7/17	8/15	9/12	10/17	11/14	12/12	1/16
--	.4	--	--	2.0	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	1	--	--	1	--	--	2
--	0	--	2	1	--	--	1
--	2	--	--	200	--	--	10
--	0	--	20	6	--	--	0
--	3	--	--	1	--	--	2
--	1	--	1	0	--	--	0
--	10	--	--	0	--	--	0
--	0	--	10	0	--	--	0
--	3	--	--	3	--	--	3
--	0	--	3	0	--	--	2
--	21	--	--	16	--	--	10
--	0	--	2	0	--	--	1
--	5	--	--	5	--	--	12
--	0	--	0	0	--	--	0
--	.0	--	--	.0	--	--	.1
--	.0	--	.0	.0	--	--	.0
--	--	--	--	8	--	--	4
--	--	--	--	0	--	--	0
--	0	--	--	0	--	--	0
--	0	--	0	0	--	--	0
--	0	--	--	0	--	0	0
--	0	--	0	0	--	--	0
--	30	--	--	20	--	--	20
--	6	--	9	0	--	--	6

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12045560 Elwha River below Little River near Port Angeles, Wash. (Site 131)

Date sample collected	1971 10/27	1971 12/14	1973 2/8	1973 4/11	1973 6/13	1973 8/8	1973 11/28	1973 1/15	1973 3/12	1973 5/30	1973 7/17	1973 9/25	1973 11/13	1974 1/23	1974 3/19	1974 5/15	1974 7/23	1974 9/17
Discharge (ft^3/s)	906	1230	992	1780	3830	1650	668	6900	1080	1660	1350	520	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	13	14	14	12	9.2	11	15	12	15	10	12	14	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	.9	1.5	1.8	1.4	.6	.8	1.4	1.4	1.3	.9	.9	.9	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	1.8	2.2	2.6	2.0	.5	1.4	2.3	2.0	2.2	1.4	1.6	2.1	--	--	--	--	--	--
Dissolved potassium (K) (mg/L)	.2	.0	1.1	.5	.1	.1	.3	.3	.1	.2	.2	.2	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	45	47	51	46	32	34	54	40	48	34	41	44	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	37	39	42	38	26	28	44	33	39	28	34	36	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	--	--	--	--	--	--	8.6	6.6	8.6	6.9	7.3	8.2	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	1.3	1.0	1.3	.9	.8	.6	1.2	1.4	1.0	1.3	.8	1.2	--	--	--	--	--	--
Total nitrate (N) (mg/L)	--	--	--	--	--	--	.03	.07	.01	.03	.11	.05	--	--	--	--	--	--
Dissolved nitrate (N) (mg/L)	.02	.07	.05	.04	2.2	.01	--	--	--	--	--	--	--	--	--	--	--	--
Total nitrite (N) (mg/L)	--	--	--	--	--	--	.00	.00	.00	.00	--	--	--	--	--	--	--	--
Dissolved nitrite (N) (mg/L)	.00	.00	.01	.01	.01	.00	--	--	--	--	--	--	--	--	--	--	--	--
Total nitrite plus nitrate (N) (mg/L)	--	--	--	--	--	--	.03	.07	.01	.03	--	--	.04	.06	.06	.01	.01	.02
Total ammonia (N) (mg/L)	.01	.02	.11	.05	.04	.02	.05	.08	.05	.05	.02	.01	.05	.20	.17	.18	.12	.07
Total organic nitrogen (N) (mg/L)	--	.00	.05	.01	.12	.08	--	--	--	--	--	--	--	--	--	--	--	--
Total ammonia plus organic nitrogen (N) (mg/L)	--	.02	.16	.06	.16	.10	--	--	--	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.00	.06	.01	.01	.02	.01	.01	.07	.00	.00	.00	.00	.01	.06	.05	.01	.01	.01
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00
Hardness ($CaCO_3$) (mg/L)	36	41	42	36	25	31	43	36	43	29	34	39	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	0	3	1	0	0	3	0	3	3	1	0	3	--	--	--	--	--	--
Specific conductance (micromhos)	68	96	105	80	67	80	90	88	112	78	78	95	84	85	83	96	72	88
pH (units)	7.6	7.6	7.6	7.8	7.4	7.5	7.8	7.5	7.6	7.7	7.7	7.7	7.6	7.4	7.6	7.5	7.8	7.4
Temperature (°C)	7.1	3.7	3.2	4.3	7.8	12.3	4.7	4.5	5.6	8.0	11.2	10.8	5.4	4.5	3.9	6.5	9.9	10.6
Color (platinum-cobalt units)	14	43	22	10	7	2	2	29	9	10	2	10	13	34	16	7	15	11
Turbidity (JTU)	1	1	5	4	6	1	2	35	2	3	1	1	6	50	20	5	6	2
Dissolved oxygen (mg/L)	11.7	12.8	13.5	13.0	11.9	10.7	12.9	13.3	13.0	11.8	10.8	10.6	12.2	13.3	13.4	12.8	11.6	11.2
Dissolved carbon dioxide (CO_2) (mg/L)	1.8	1.9	2.0	1.2	2.0	1.7	1.4	2.0	1.9	1.1	1.3	1.4	--	--	--	--	--	--
Total immediate coliform (col/100 mL)	100	70	30	64	100	170	200	150	56	49	60	160	150	80	40	30	40	50

Sutherland Lake, near Port Angeles, Wash. (Site 132)

Date sample collected	8/12/74	
Sample site number	1	
Depth sample collected (ft)	3	66
Total nitrate (N) (mg/L)	.00	.00
Total nitrite (N) (mgL)	.00	.00
Total ammonia (N) (mg/L)	.02	.02
Total organic nitrogen (N) (mg/L)	.02	.11
Total phosphorus (P) (mg/L)	.01	.01
Total orthophosphete phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	140	130
Water temperature (°C)	20.1	7.4
Color (platinum-cobalt units)	0	0
Secchi-disc visibility (ft)	33	
Dissolved oxygen (mg/L)	8.8	6.6
Lake shoreline covered by emersed plents (pct)	Little or none	
Lake surface covered by emersed plants (pct)	None or 1	
Number of fecal coliform samples	3	
Fecel coliform, minimum (col/100 mL)	1	
Fecel coliform, maximum (col/100 mL)	1	
Fecel coliform, mean (col/100 mL)	1	

Aldwell Leke, near Port Angeles, WA. (Site 136)

Date aample collected	8/2/74	
Sample site number	1	
Depth sample collected (ft)	3	66
Total nitrate (N) (mg/L)	.00	.00
Total nitrite (N) (mg/L)	.00	.00
Total ammonie (N) (mg/L)	.03	.03
Total organic nitrogen (N) (mg/L)	.02	.08
Total phoaphorus (P) (mg/L)	.00	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific coductance (microhos)	73	73
Water temperature (°C)	11.8	10.1
Color (pletinum-cobalt units)	0	0
Secchi-disc visibility (ft)	8	
Dissolved oxygen (mg/L)	11.0	10.6
Lake shoreline covered by emersed plants (pct)	Little or none	
Lake surface covered by emersed plents (pct)	None or 1	
Number of fecal coliform samples	4	
Fecal coliform, minimum (col/100 mL)	1	
Fecal coliform, maximum (col/100 mL)	1	
Fecal coliform, mean (col/100 mL)	1	

12046510 Elwha River near mouth, near Port Angeles, WA. (Site 140)

	1976			1977
Date samples collected	3/18	4/28	6/1	2/2
Total aluminum (ug/L)	0	--	--	--
Total iron (ug/L)	0	--	--	--
Total manganese (ug/L)	0	--	--	--
Dissolved calcium (Ca) (mg/L)	15	--	--	--
Dissolved magnesium (Mg) (mg/L)	2.2	--	--	--
Dissolved aodium (Na) (mg/L)	5.1	--	--	--
Dissolved potassium (K) (mg/L)	.3	--	--	--
Bicarbonate (HCO_3) (mg/L)	55	--	--	--
Alkelinity ($CaCO_3$) (mg/L)	45	--	--	--
Dissolved sulfete (SO_4) (mg/L)	9.3	--	--	--
Dissolved chloride (Cl) (mg/L)	4.3	--	--	--
Total nitrate (N) (mg/L)	.01	--	--	--
Total nitrite (N) (mg/L)	.00	--	--	--
Total ammonia (N) (mg/L)	.05	--	--	--
Total organic nitrogen (N) (mg/L)	.17	--	--	--
Total phosphorus (P) (mg/L)	.01	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	--	--	--
Hardness ($CaCO_3$) (mg/L)	47	--	--	--
Noncarbonate hardness (mg/L)	2	--	--	--
Specific conductance (micmhos)	115	111	94	--
pH (units)	6.4	7.4	6.7	7.2
Temperature (°C)	5.0	9.5	7.5	3.6
Turbidity (JTU)	1	0	1	--
Diasolved oxygen (mg/L0	12.9	--	11.8	13.2
Diasolved carbon dioxide (CO_2) (mg/L)	35	--	--	--
Total dissolved gas pressure (percent saturation)	103	--	101	101
Total immediate colifrm (col/100 mL)	3	37	--	--
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	1	1	--	--
Nitrogen plus argon (percent saturation)	103	--	102	101
Total cadmium (Cd) (ug/L)	0	--	--	--
Total chromium (Cr) (ug/L)	0	--	--	--
Dissolved chromium (Cr) (ug/L)	0	--	--	--
Total copper (Cu) (ug/L)	0	--	--	--
Dissolved copper (Cu) (ug/L)	0	--	--	--
Total leed (Pb) (ug/L)	0	--	--	--
Dissolved leed (Pb) (ug/L)	0	--	--	--
Total mercury (Hg) (ug/L)	0	--	--	--
Total molybdenum (Mo) (ug/L)	0	--	--	--
Total zinc (Zn) (ug/L)	0	--	--	--
Dissolved zinc (Zn) (ug/L)	0	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12046523 Bosco Creek near Port Angeles, WA. (Site 141)

Date sample collected	1976 3/18	4/28	6/1	6/3	7/8	7/14	9/2	11/2	11/18	1977 1/6	2/2	3/23	5/10	5/11
Discharge (ft^3/s)	.94	.74	1.2	--	1.6	--	.61	.43	--	1.4	2.3	1.3	1.6	--
Total aluminum (Al) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Total iron (Fe) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Total manganese (Mn) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	14	--	--	--	--	--	15	--	--	--	--	--	--	--
Dissolved mggnesium (mg/L)	2.1	--	--	--	--	--	1.5	--	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	2.3	--	--	--	--	--	2.1	--	--	--	--	--	--	--
Dissolved potassium (K) (mg/L)	.1	--	--	--	--	--	.2	--	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	49	--	--	--	--	--	47	--	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	40	--	--	--	--	--	39	--	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	7.5	--	--	--	--	--	8.7	--	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	1.4	--	--	--	--	--	.6	--	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.12	--	--	--	--	--	.02	--	--	--	--	--	--	--
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	.00	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	.05	--	--	--	--	--	.05	--	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	.01	--	--	--	--	--	.04	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.00	--	--	--	--	--	.01	--	--	--	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	--	--	--	--	--	.00	--	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	44	--	--	--	--	--	44	--	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	3	--	--	--	--	--	5	--	--	--	--	--	--	--
Specific conductance (micromhos)	73	220	99	--	103	--	96	77	--	90	148	67	--	--
pH (units)	6.3	6.8	6.6	--	6.8	--	6.4	7.1	--	6.9	6.8	7.2	6.5	--
Temperature ($^{\circ}C$)	7.6	9.6	7.4	--	7.5	7.4	7.8	8.8	7.9	7.6	5.8	8.5	8.5	8.5
Turbidity (JTU)	0	0	0	--	--	0	0	--	1	--	--	1	--	--
Dissolved oxygen (mg/L)	8.8	--	10.0	--	--	8.7	7.6	7.8	--	8.8	11.5	10.9	10.71	--
Dissolved carbon dioxide (CO_2) (mg/L)	39	--	--	--	--	--	30	--	--	--	--	--	--	--
Nitrogen plus argon (percent saturation)	112	--	106	--	105	--	105	101	--	103	102	107	105	--
Total dissolved gas pressure (percent saturation)	104	--	101	--	98	--	96	94	--	97	100	105	102	--
Total immediate coliform (col/100 mL)	10	1	--	36	--	110	--	--	160	--	--	--	--	6
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	1	1	--	1	--	13	170	--	--	--	--	--	--	--
Fecal coliform (0.7 um, membrane filtar) (col/100 mL)	--	--	--	--	--	--	--	--	1	--	--	--	--	1
Total cadmium (Cd) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Total chromium (Cr) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved chromium (Cr) (ug/L)	0	--	--	--	--	--	10	--	--	--	--	--	--	--
Total copper (Cu) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved copper (Cu) (ug/L)	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Total lead (Pb) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved lead (Pb) (ug/L)	0	--	--	--	--	--	1	--	--	--	--	--	--	--
Total mercury (Hg) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Total molybdenum (Mo) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Total zinc (Zn) (ug/L)	0	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved zinc (Zn) (ug/L)	0	--	--	--	--	--	10	--	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12046520 West Slough at Angeles Point, near Port Angeles, WA (Site 142)

	1976									1977				
Date sample collected	3/18	4/28	6/1	6/3	7/7	7/14	9/2	11/2	11/18	1/6	2/2	3/23	5/10	5/11
Dissolved calcium (Ca) (mg/L)	13	--	--	--	--	--	14	--	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)5	1.8	--	--	--	--	--	1.6	--	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	2.8	--	--	--	--	--	2.2	--	--	--	--	--	--	--
Dissolved potassium (K) (mg/L)	.2	--	--	--	--	--	.3	--	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	48	--	--	--	--	--	46	--	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	39	--	--	--	--	--	38	--	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	7.4	--	--	--	--	--	7.6	--	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	1.8	--	--	--	--	--	.7	--	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.02	--	--	--	--	--	.01	--	--	--	--	--	--	--
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	.00	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	.05	--	--	--	--	--	.05	--	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	.16	--	--	--	--	--	.11	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.02	--	--	--	--	--	.01	--	--	--	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.01	--	--	--	--	--	.01	--	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	40	--	--	--	--	--	42	--	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	1	--	--	--	--	--	4	--	--	--	--	--	--	--
Specific conductance (micromhos)	81	380	89	--	98	--	93	280	160	127	136	105	91	--
pH (units)	7.2	7.6	6.6	--	7.1	--	6.7	7.2	--	7.2	6.9	7.5	6.8	--
Temperature (°C)	8.5	12.8	11.8	--	15.0	12.2	15.2	7.8	6.8	2.6	5.4	9.0	12.0	--
Turbidity (JTU)	1	D	0	--	--	0	0	--	5	--	--	1	--	--
Dissolved oxygen (mg/L)	13.2	--	11.5	--	--	10.2	9.8	9.2	--	11.3	11.8	13.0	11.0	--
Dissolved carbon dioxide (CO_2) (mg/L)	4.8	--	--	--	--	--	15	--	--	--	--	--	--	--
Nitrogen plus argon (percent saturation)	103	--	104	--	104	--	101	102	--	99	101	102	104	--
Total dissolved gas pressure (percent saturation)	106	--	104	--	102	--	100	97	--	96	99	104	103	--
Total immediate coliform (col/100 mL)	2	1	--	200	--	100	100	--	--	450	--	--	--	3
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	1	1	--	1	--	1	10	--	--	--	--	--	--	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	--	--	--	3	--	--	--	1
Dissolved chromium (Cr) (ug/L)	--	--	--	--	--	--	0	--	--	--	--	--	--	--
Dissolved copper (Cu) (ug/L)	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Dissolved lead (Pb) (ug/L)	--	--	--	--	--	--	0	--	--	--	--	--	--	--
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	20	--	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12046526 East Slough at Angeles Point, near Port Angeles, WA (Site 143)

	1976									1977			
Date sample collected	3/18	4/28	6/1	6/3	7/8	7/14	9/2	11/2	11/18	1/6	2/2	3/23	5/11
Dissolved calcium (Ca) (mg/L)	15	--	--	--	--	--	16	--	--	--	--	--	--
Dissolved magnesium (Mg) (mg/L)	3.4	--	--	--	--	--	2.6	--	--	--	--	--	--
Dissolved sodium (Na) (mg/L)	8.6	--	--	--	--	--	3.1	--	--	--	--	--	--
Dissolved potassium (K) (mg/L)	.5	--	--	--	--	--	.3	--	--	--	--	--	--
Bicarbonate (HCO_3) (mg/L)	59	--	--	--	--	--	51	--	--	--	--	--	--
Alkalinity ($CaCO_3$) (mg/L)	48	--	--	--	--	--	42	--	--	--	--	--	--
Dissolved sulfate (SO_4) (mg/L)	8.7	--	--	--	--	--	8.0	--	--	--	--	--	--
Dissolved chloride (Cl) (mg/L)	11	--	--	--	--	--	1.5	--	--	--	--	--	--
Total nitrate (N) (mg/L)	.04	--	--	--	--	--	.00	--	--	--	--	--	--
Total nitrite (N) (mg/L)	.00	--	--	--	--	--	.00	--	--	--	--	--	--
Total ammonia (N) (mg/L)	.03	--	--	--	--	--	.06	--	--	--	--	--	--
Total organic nitrogen (N) (mg/L)	.13	--	--	--	--	--	.15	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.01	--	--	--	--	--	.01	--	--	--	--	--	--
Dissolved orthophosphate phosphorus (P) (mg/L)	.00	--	--	--	--	--	.00	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	51	--	--	--	--	--	51	--	--	--	--	--	--
Noncarbonate hardness (mg/L)	3	--	--	--	--	--	9	--	--	--	--	--	--
Specific conductance (micromhos)	136	537	114	--	118	--	107	90	116	368	265	560	--
pH (units)	7.2	7.3	6.8	--	7.2	--	7.2	7.5	--	7.1	7.2	7.3	7.1
Temperature (°C)	9.0	12.5	12.5	--	16.4	15.2	16.0	8.8	7.2	2.0	5.2	10.6	12.5
Turbidity (JTU)	0	0	0	--	--	0	0	--	0	--	--	0	--
Dissolved oxygen (mg/L)	13.0	--	13.2	--	--	9.4	10.0	9.7	--	9.1	10.4	11.0	10.6
Dissolved carbon dioxide (CO_2) (mg/L)	6.0	--	--	--	--	--	5.1	--	--	--	--	--	--
Nitrogen plus argon (percent saturation)	105	--	99	--	104	--	104	100	--	101	102	102	101
Total dissolved gas pressure (percent saturation)	107	--	104	--	102	--	103	97	--	94	98	102	101
Total immediate coliform (col/100 mL)	1	8	--	490	--	1800	--	--	460	--	--	--	5
Fecal coliform (0.45 um, membrane filter) (col/100 mL)	1	4	--	1	--	4	1	--	--	--	--	--	--
Fecal coliform (0.7 um, membrane filter) (col/100 mL)	--	--	--	--	--	--	--	--	1	--	--	--	1
Dissolved chromium (Cr) (ug/L)	--	--	--	--	--	--	0	--	--	--	--	--	--
Dissolved copper (Cu) (ug/L)	--	--	--	--	--	--	5	--	--	--	--	--	--
Dissolved lead (Pb) (ug/L)	--	--	--	--	--	--	0	--	--	--	--	--	--
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	0	--	--	--	--	--	--

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12048600 Dungeness River at Highway 101 bridge (Site 181)

Date sample collected	1959 7/9	8/11	9/21	10/19	11/20	12/15	1960 1/21	2/18	3/17	4/11	5/9	6/9	7/18	1961 11/1
Discharge (ft^3/s)[1]	504	257	303	150	825	1300	150	440	205	445	532	732	420	157
Dissolved silica (SiO_2) (mg/L)	3.0	6.7	6.3	6.8	5.5	7.1	7.0	8.4	8.7	7.2	6.8	5.3	4.9	7.2
Dissolved iron (Fe) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.04
Dissolved calcium (Ca) (mg/L)	16	18	15	20	13	12	21	19	23	18	16	14	14	21
Dissolved magnesium (Mg) (mg/L)	2.0	2.1	2.1	2.5	1.6	1.7	3.6	2.8	2.7	1.7	2.7	1.6	1.6	2.5
Dissolved sodium (Na) (mg/L)	1.9	2.8	2.5	3.2	1.8	1.9	3.5	3.2	4.1	2.5	2.5	1.9	1.9	3.3
Dissolved potassium (K) (mg/L)	.1	.6	.4	.5	.3	.3	.4	.3	.3	.2	.1	.3	.3	.4
Bicarbonate (HCO_3) (mg/L)	54	65	58	72	44	45	76	68	79	62	59	50	48	72
Alkalinity ($CaCO_3$) (mg/L)	45	54	48	59	36	37	63	56	65	51	48	41	39	59
Dissolved sulfate (SO_4) (mg/L)	5.7	7.0	6.6	9.0	5.6	6.1	9.6	8.0	10	7.4	7.0	4.4	5.2	9.4
Dissolved chloride (Cl) (mg/L)	.5	.8	1.0	1.5	.8	.5	1.8	1.2	2.2	.8	1.0	1.0	1.0	2.0
Dissolved fluoride (F) (mg/L)	.0	.1	.1	.1	.1	.1	.0	.0	.1	.1	.0	.1	.0	.1
Dissolved nitrate (N) (mg/L)	.02	.09	.05	.05	.14	.07	.00	.05	.02	.00	.00	.00	.00	.07
Dissolved nitrite (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Kjeldahl nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.00	.00	.00	.00	.00	.02	.00	.02	.01	.00	.00	.00	.00	.01
Dissolved orthophosphate phosphorus (P) (m/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved solids, residue at 180°C (mg/L)	59	72	67	84	55	53	92	77	94	69	63	54	54	86
Hardness ($caCO_3$) (mg/L)	48	54	49	50	39	38	68	59	68	52	51	42	42	62
Noncarbonate hardness (mg/L)	4	0	2	1	3	1	5	4	4	1	2	0	2	4
Specific conductance (micromhos)	101	125	113	137	89	94	150	130	152	117	112	93	92	141
pH (units)	7.6	7.5	7.6	7.9	6.3	7.2	7.9	7.9	7.9	7.9	7.7	7.89	7.7	7.9
Temperature (°C)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Color (platinum-cobalt units)	--	--	--	--	--	--	--	--	--	--	--	--	--	5
Turbidity	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved oxygen (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	11.9
Dissolved carbon dioxide (CO_2) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total coliform (col/100 mL)	--	--	--	--	--	--	--	--	--	--	--	--	--	36
Dissolved arsenic (As) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.00
Dissolved boron (B) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.00
Total chromium (Cr) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.00
Hexavalent chromium (Cr) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.00
Dissolved copper (Cu) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.01
Dissolved zinc (Zn) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	.05

[1] Discharges are as computed at site 173.

[2] Nitrate plus nitrite.

TABLE 14.--Chemical and physical quality of water from selected surface-water sites in Clallam County--Continued

12048600 Dungeness River at Highway 101 bridge (Site 181)

Date sample collected	1962 2/14	5/14	8/14	12/13	1963 6/17	12/23	1964 6/15	12/14	1965 6/2	1966 2/17	8/1	1967 5/17	10/16	1968 4/16
Discharge (ft^3/s)[1]	225	311	228	560	776	1340	898	187	626	220	458	918	363	214
Dissolved silica (SiO_2) (mg/L)	7.1	7.7	6.3	7.2	4.4	5.6	4.2	6.3	5.5	14	4.6	5.9	5.2	6.8
Dissolved iron (Fe) (ug/L)	.08	.11	.05	--	--	--	--	.04	--	--	--	--	--	--
Dissolved calcium (Ca) (mg/L)	19	18	18	18	12	14	12	20	14	19	14	14	17	21
Dissolved magnesium (Mg) (mg/L)	2.7	2.4	1.6	2.0	1.7	2.0	2.3	2.8	1.9	3.9	1.9	2.2	2.1	3.2
Dissolved sodium (Na) (mg/L)	3.3	3.2	2.6	2.7	1.6	2.5	2.1	3.6	2.5	3.9	2.1	2.3	2.5	3.7
Dissolved potassium (K) (mg/L)	.5	.4	.6	.1	.2	.3	.2	.4	.4	.3	.3	.6	.2	.1
Bicarbonate (HCO_3) (mg/L)	67	64	60	62	44	50	45	70	51	74	50	52	59	76
Alkalinity ($CaCO_3$) (mg/L)	55	53	49	51	36	41	37	58	42	61	41	43	48	63
Dissolved sulfate (SO_4) (mg/L)	8.8	8.4	7.8	7.8	4.4	6.0	5.2	10	5.8	9.0	6.0	6.0	6.6	8.0
Dissolved chloride (Cl) (mg/L)	1.2	1.0	1.0	1.2	.2	.5	.5	1.4	1.0	2.0	.5	.0	.7	1.0
Dissolved fluoride (F) (mg/L)	.1	.1	.1	.1	.0	.1	.1	.2	.1	.1	.1	.1	.1	.2
Dissolved nitrate (N) (mg/L)	.07	.00	.05	.05	.02	.09	.02	.02	.07	.05	.07	.02	.05	.02
Dissolved nitrite (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total ammonia (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Kjeldahl nitrogen (N) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total phosphorus (P) (mg/L)	.01	.01	.01	.01	.00	.00	.01	.01	.00	--	--	.10	--	--
Dissolved orthophosphate phosphorus (P) (m/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved solids, residue at 180°C (mg/L)	80	78	68	74	50	57	53	84	58	88	55	57	64	80
Hardness ($CaCO_3$) (mg/L)	58	55	52	53	37	43	40	62	43	64	43	44	51	66
Noncarbonate hardness (mg/L)	4	2	3	2	1	2	2	4	1	3	2	2	3	3
Specific conductance (micromhos)	130	123	115	116	80	94	83	135	97	142	95	99	109	147
pH (units)	7.9	7.4	7.9	7.7	7.5	7.2	7.5	7.7	7.7	7.9	7.4	7.6	7.9	8.0
Temperature (°C)	--	--	--	--	--	--	--	--	--	--	--	--	9	7
Color (platinum-cobalt units)	5	10	5	5	0	10	5	0	0	5	5	5	5	5
Turbidity	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dissolved oxygen (mg/L)	12.2	11.7	10.1	13.4	10.6	12.1	10.9	13.1	10.4	11.9	11.2	--	--	--
Dissolved carbon dioxide (CO_2) (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total coliform (col/100 mL)	91	23	36	230	23	91	23	230	36	91	23	--	--	--
Dissolved arsenic (As) (ug/L)	--	.00	--	.01	.00	.00	.00	.00	.00	.00	.00	--	--	--
Dissolved boron (B) (ug/L)	--	.04	--	.00	.00	.00	.01	.01	.00	.04	.02	--	.00	--
Total chromium (Cr) (ug/L)	--	.00	--	.00	.00	.01	.00	.00	.00	.00	.00	--	.00	--
Hexavalent chromium (Cr) (ug/L)	--	.0	--	.00	.00	.01	.00	.00	.00	.00	.02	.00	--	--
Dissolved copper (Cu) (ug/L)	--	.03	--	.00	.02	.07	.00	.01	.01	.03	.04	.00	.00	--
Dissolved zinc (Zn) (ug/L)	--	.05	00	.05	.05	.05	.05	.05	.05	.05	.00	.01	.00	--

[1] Discharges are as computed at site 173.

[2] Nitrate plus nitrite.

12048600 Dungeness River at Highway 101 bridge (Site 181)--Continued

1971		1972					1973						1974				
10/26	12/13	2/17	4/10	6/12	8/7	11/28	1/15	3/12	5/29	7/16	9/24	11/12	1/22	3/18	5/14	7/22	9/16
--	240	161	421	717	306	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	18	22	19	12	13	21	13	21	15	13	19	--	--	--	--	--	--
2.3	2.8	3.7	2.7	1.5	1.5	3.0	2.1	3.3	1.8	1.6	2.6	--	--	--	--	--	--
3.2	3.6	4.4	3.3	1.3	1.8	3.9	2.6	3.7	3.0	2.1	3.6	--	--	--	--	--	--
.4	.4	.8	.6	.2	.2	.6	.7	.3	.3	.3	.5	--	--	--	--	--	--
69	70	83	75	47	46	74	48	79	59	53	75	--	--	--	--	--	--
57	57	68	62	39	38	61	39	65	48	43	62	--	--	--	--	--	--
--	--	--	--	--	--	9.8	7.0	9.5	7.3	5.9	7.1	--	--	--	--	--	--
1.9	1.6	3.2	1.2	.9	.3	2.5	1.9	1.5	1.2	.9	1.9	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
.01	.10	.06	.06	.03	.02	.02	.13	.02	.03	.02	.15	.10[2]	.09	.06	.01	.01	.04
.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	--	--	--	--	--	--	--	--
.02	.02	.07	.13	.06.	.02	.05	.17	.06	.04	.02	.08	.07	.07	.10	.11	.08	.09
--	.11	.15	.13	.30	.10	--	--	--	--	--	--	--	--	--	--	--	--
.01	.01	.02	.04	.03	.01	.01	.07	.00	.00	.00	.01	.03	.04	.04	.02	.01	.01
.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
57	56	70	59	26	39	65	41	66	45	39	58	--	--	--	--	--	--
0	0	2	0	0	1	4	2	1	0	0	0	--	--	--	--	--	--
91	135	160	128	97	89	150	105	170	110	109	130	101	130	40	130	95	130
7.7	7.7	7.8	7.9	7.6	7.7	7.8	7.4	7.9	7.9	7.9	8.0	7.8	7.8	7.8	7.8	7.9	7.8
7.1	3.4	2.7	4.6	8.2	17.4	4.1	5.6	7.0	12.0	15.5	12.6	6.3	4.2	7.0	8.8	12.7	14.6
12	14	13	11	9	5	0	45	9	11	7	11	22	29	20	7	4	12
1	1	2	16	14	2	2	4	2	3	2	1	15	20	15	8	8	2
11.7	13.1	13.1	12.5	11.7	9.7	13.0	12.3	12.6	11.0	9.8	11.0	11.3	13.2	12.9	12.6	11.2	11.6
--	--	--	--	--	--	1.9	3.1	2.0	1.2	1.1	1.2	--	--	--	--	--	--
100	100	21	100	150	--	50	150	120	41	--	600	200	60	50	60	70	80
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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TABLE 14.--Chemical and physical quality of water from selected surfsce-water sites in Clallem County--Continued

Horse Creek at City of Port Angeles diversion near Port Angeles, WA (Site 157)

	1958	1960	1964		1968			1971		1972		1973	1975	1978
Date sample collected	8/6	8/9	2/23	12/20	9/-	11/25	12/30	1/6	9/8	7/26	8/-	2/1	1/20	5/30
Dissolved silica (SiO_2) (mg/L)	7.4	7.4	26	6.1	6.8	3.8	7.4	2.5	5.0	4.6	4.0	29	8.2	--
Dissolved iron (Fe) (ug/L)	--	40	500	20	160	60	120	180	80	10	220	0	90	50
Dissolved manganese (Mn) (ug/L)	--	22	80	8	14	10	43	20	0	0	12	0	10	10
Dissolved calcium (Ca) (mg/L)	21	14	25	20	19	13	14	14	22	20	17	10	14	--
Dissolved magnesium (Mg) (mg/L)	8.1	1.9	22	3.4	7.8	7.4	2.8	6.3	5.8	7.3	1.5	8.4	15	--
Dissolved sodium (Na) (mg/L)	--	3.1	--	1.8	1.4	.0	1.6	--	2.9	2.4	2.2	3.0	4.8	--
Dissolved potassium (K) (mg/L)	-	.5	--	.4	.6	.7	.6	1.0	.2	.3	.3	.0	--	--
Bicerbonate (HCO_3) (mg/L)	75	90	--	55	88	73	54	51	82	73	63	56	95	--
Alkalinity ($CaCO_3$) (mg/L)	62	74	--	45	72	60	44	42	57	50	52	46	78	--
Dissolved sulfate (SO_4) (mg/L)	.0	6.3	.0	7.8	6.0	.0	6.9	5.5	12	12	16	1.0	9.6	--
Dissolved chloride (Cl) (mg/L)	--	.0	9.2	1.0	.5	.0	2.0	2.5	2.0	4.	5.0	1.6	3.7	--
Dissolved fluoride (F) (mg/L)	--	.1	.4	.1	.0	.0	.0	.2	.1	.1	.1	.0	.1	.2
Dissolved nitrate (N) (mg/L)	.03	.01	.18	.05	.12	.10	.20	.30	.16	.08	.09	.00	1.7	.30
Dissolved nitrite (N) (mg/L)	.00	.00	.04	.00	.04	.00	.00	.02	.03	.01	.01	.00	.01	--
Dissolved phosphorus (P) (mg/L)	.00	.13	.12	.02	.05	.08	.00	.00	.04	.15	.05	.00	.02	--
Dissolved solids, residue at 180°C (mg/L)	100	62	--	70	--	--	--	--	--	--	--	50	--	--
Suspended solids, at 105°C (mg/L)	--	4	1	4	--	--	--	--	--	--	--	--	--	--
Hardness ($CaCO_3$) (mg/L)	80	64	130	78	80	56	45	62	80	80	48	60	--	16
Noncarbonte hardness (mg/L)	--	--	--	33	--	--	1	20	13	20	--	15	--	--
Specific conductance (mg/L)	--	121	224	122	130	92	54	120	130	110	110	105	323	110
pH (units)	7.2	8.0	8.3	7.8	7.5	7.5	7.6	7.0	7.3	7.0	7.5	7.2	7.7	--
Color (platinum-cobalt units)	--	0	2	2	3	4	2	16	5	8	7	5	10	0
Turbidity (JTU)	--	0	6	2	2	3	1	1	1	1	1	0	0	0
Dissolved carbon dioxide (mg/L)	--	1.3	--	1.9	4.8	3.5	5.4	--	8.7	16	4.1	--	--	--
Dissolved arsenic (As) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	10
Dissolved barium (Ba) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	250
Dissolved cadmium (Cd) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Dissolved chromium (Cr) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	10
Dissolved leed (Pb) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	10
Dissolved mercury (Hg) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Dissovled selenium (Se) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	3
Dissolved silver (Ag) (ug/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	10

Sequim Bay Tributary at Sequim Bay Park, near Sequim, WA. (Site 210)

Date sample collected	10/12/65	4/11/73	11/16/77
Dissolved silica (SiO_2) (mg/L)	12	9.3	--
Dissolved iron (Fe) (ug/L)	210	90	50
Dissolved manganese (Mn) (ug/L)	40	6	10
Dissolved calcium (Ce) (mg/L)	21	14	--
Dissolved magnesium (Mg) (mg/L)	13	15	--
Dissolved sodium (Na) (mg/L)	.7	12	--
Dissolved potessium (K) (mg/L)	1.9	.7	--
Bicerbonate (HCO_3) (mg/L)	129	117	--
Alkalinity ($CaCO_3$) (mg/L)	106	96	--
Dissolved sulfete (SO_4) (mg/L)	15	12	--
Dissolved chloride (Cl) (mg/L)	7.8	5.0	--
Dissolved fluoride (F) (mg/L)	.2	.1	.1
Dissolved nitrate (N) (mg/L)	.68	.16	.70
Dissolved nitrite (N) (mg/L)	.01	.00	--
Dissolved phosphorus (P) (mg/L)	.11	.00	--
Dissolved solids, residue at 180°C (mg/L)	151	--	--

Dete sample collected	10/12/65	4/11/73	11/16/77
Suspended solis, at 105°C (mg/L)	3	--	--
Herdness ($CaCO_3$) (mg/L)	104	96	88
Specific conductance (micromhos)	222	144	200
pH (units)	8.0	7.0	--
Color (platinum-cobalt units)	28	25	35
Turbidity (JTU)	19	1	1
Dissolved cerbon dioxide (mg/L)	2.1	26	--
Dissolved arsenic (As) (ug/L)	--	--	10
Dissolved barium (Ba) (ug/L)	--	--	250
Dissolved cadmium (Cd) (ug/L)	--	--	2
Dissolved chromium (Cr) (ug/L)	--	--	11
Dissolved leed (Pb) (ug/L)	--	--	10
Dissolved mercury (Hg) (ug/L)	--	--	1
Dissolved selenium (Se) (ug/L)	--	--	3
Dissolved silver (Ag) (ug/L)	--	--	10

12042400 Soleduck River at Highway 101 at Forks, Wash. (river mile 19.0) (Site 18)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.10
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.02	.04
Total phosphorus (P) (mg/L)	.00	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	81	64
Water temperature (°C)	11.9	9.1
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.6	12.5
Immediate coliform (col/100mL)	225	300
Fecal coliform (.7um-mf) (col/100mL)	--	5

Soleduck River (river mile 17.4) (Site 19)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.10
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.02	.03
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	82	85
Water temperature (°C)	12.0	9.0
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.8	12.5
Immediate coliform (col/100mL)	94	8200
Fecal coliform (.7um-mf) (col/100mL)	--	4

Gunderson Creek at mouth at Soleduck River mile 17.3 (Site 20)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.36	.59
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.04	.28
Total phosphorus (P) (mg/L)	.02	.00
Total orthophosphate phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	62	73
Water temperature (°C)	11.2	8.7
Color (platinum-cobalt units)	25	5
Turbidity (JTU)	2	0
Dissolved oxygen (mg/L)	10.6	11.2
Immediate coliform (col/100mL)	217	130
Fecal coliform (.7um-mf) (col/100mL)	--	15

Soleduck River (river mile 16.1) (Site 21)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.12
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.02	.08
Total phosphorus (P) (mg/L)	.00	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	82	63
Water temperature (°C)	12.3	9.0
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.8	12.6
Immediate coliform (col/100mL)	54	300
Fecal coliform (.7um-mf) (col/100mL)	--	5

Soleduck River (river mile 15.2) (Site 22)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.03	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.05	.04
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	83	63
Water temperature (°C)	12.2	9.0
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.8	12.6
Immediate coliform (col/100mL)	116	330
Fecal coliform (.7um-mf) (col/100mL)	--	6

12042500 Soleduck River near Quillayute, Wash. (river mile 13.9) (Site 23)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.03	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.04	.04
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	83	83
Water temperature (°C)	12.6	9.1
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	11.0	12.7
Immediate coliform (col/100mL)	118	200
Fecal coliform (.7um-mf) (col/100mL)	--	6

Soleduck River (river mile 12.6) (Site 24)

Data sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.05	.04
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	83	81
Water temperature (°C)	12.6	8.9
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.9	12.7
Immediate coliform (col/100mL)	74	180
Fecal coliform (.7um-mf) (col/100mL)	--	2

Soleduck River (river mile 11.0) (Site 25)

Date sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.04	.07
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	83	64
Water temperature (°C)	13.0	9.2
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	--	12.6
Immediate coliform (col/100mL)	88	150
Fecal coliform (.7um-mf) (col/100mL)	--	4

Soleduck River (river mile 9.4) (Site 26)

Data sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.02	.07
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.03	.04
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	82	83
Water temperature (°C)	13.4	9.2
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.9	12.1
Immediate coliform (col/100mL)	38	170
Fecal coliform (.7um-mf) (col/100mL)	--	4

Soleduck River (river mile 8.3) (Site 27)

Data sample collected	8/26/76	10/4/77
Total nitrate (N) (mg/L)	.01	.07
Total nitrite (N) (mg/L)	.01	.00
Total ammonia nitrogen (N) (mg/L)	.05	.04
Total phosphorus (P) (mg/L)	.01	.00
Total orthophosphate phosphorus (P) (mg/L)	.00	.00
Specific conductance (micromhos)	83	62
Water temperature (°C)	--	9.1
Color (platinum-cobalt units)	0	0
Turbidity (JTU)	0	0
Dissolved oxygen (mg/L)	10.8	12.2
Immediate coliform (col/100mL)	45	160
Fecal coliform (.7um-mf) (col/100mL)	--	3

12042503 Soleduck River at mouth near La Push, Wash. (river mile 6.5) (Site 28)

Data sample collected	10/4/77
Total nitrate (N) (mg/L)	.06
Total nitrite (N) (mg/L)	.00
Total ammonia nitrogen (N) (mg/L)	.04
Total phosphorus (P) (mg/L)	.00
Total orthophosphate phosphorus (P) (mg/L)	.00
Specific conductance (micromhos)	69
Water temperature (°C)	9.5
Color (platinum-cobalt units)	0
Turbidity (JTU)	0
Dissolved oxygen (mg/L)	11.9
Immediate coliform (col/100mL)	2400
Fecal coliform (.7um-mf) (col/100mL)	7

East Fork Dickey River at mouth, at Dickey River mile 7.9 (Site 64)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.05	.12
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.05	.04
Total phosphorus (P) (mg/L)	.02	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	74	65
Water temperature (°C)	12.6	7.3
Color (platinum-cobalt units)	25	20
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	10.0	11.5
Immediate coliform (col/100mL)	62	260
Fecal coliform (.7um-mf) (col/100mL)	--	25

West Fork Dickey River at mouth (Site 65)

Data sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.02	.02
Total nitrite (N) (mg/L)	.00	.01
Total ammonia nitrogen (N) (mg/L)	.10	.03
Total phosphorus (P) (mg/L)	.02	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	.01
Specific conductance (micromhos)	44	48
Water temperature (°C)	13.7	8.9
Color (platinum-cobalt units)	40	40
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.4	10.5
Immediate coliform (col/100mL)	90	240
Fecal coliform (.7um-mf) (col/100mL)	--	44

Dickey River (river mile 7.7) (Site 66)

Data sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.03	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.05	.04
Total phosphorus (P) (mg/L)	.02	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	56	56
Water temperature (°C)	13.5	8.0
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.8	11.1
Immediate coliform (col/100mL)	84	300
Fecal coliform (.7um-mf) (col/100mL)	--	30

Dickey River (river mile 6.8) (Site 67)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.03	.08
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.10	.03
Total phosphorus (P) (mg/L)	.04	.02
Total orthophosphate phosphorus (P) (mg/L)	.04	.01
Specific conductance (micromhos)	59	57
Water temperature (°C)	13.4	8.0
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.8	10.8
Immediate coliform (col/100mL)	78	130
Fecal coliform (.7um-mf) (col/100mL)	--	48

12043100 Dickey River near La Push, Wash. (river mile 6.0) (Site 68)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.02	.07
Total nitrite (N) (mg/L)	.01	.00
Total ammonia nitrogen (N) (mg/L)	.07	.04
Total phosphorus (P) (mg/L)	.02	.01
Total orthophosphata phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	57	58
Water temperature (°C)	13.2	7.9
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.8	11.2
Immediate coliform (col/100mL)	90	280
Fecal coliform (.7um-mf) (col/100mL)	--	30

Dickey River (river mile 5.1) (Site 70)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.03	.09
Total nitrite (N) (mg/L)	.00	.00
Total ammonia nitrogen (N) (mg/L)	.06	.06
Total phosphorus (P) (mg/L)	.02	.02
Total orthophosphate phosphorus (P) (mg/L)	.01	.01
Specific conductance (micromhos)	58	58
Water temperature (°C)	13.0	7.9
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.7	11.2
Immediate coliform (col/100mL)	156	82
Fecal coliform (.7um-mf) (col/100mL)	--	37

Colby Creek at mouth at Dickey River mile 5.0 (Site 72)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.07	.14
Total nitrite (N) (mg/L)	.01	.00
Total ammonia nitrogen (N) (mg/L)	.11	.04
Total phosphorus (P) (mg/L)	.02	.01
Total orthophosphate phosphorus (P) (mg/L)	.02	.00
Specific conductance (micromhos)	83	80
Water temperature (°C)	11.4	6.9
Color (platinum-cobalt units)	40	30
Turbidity (JTU)	2	1
Dissolved oxygen (mg/L)	10.0	11.3
Immediate coliform (col/100mL)	74	200
Fecal coliform (.7um-mf) (col/100mL)	--	22

TABLE 14.--Chemical and physical quality of water from selected surfece-water sites in Clallam County--Continued

Dickey River (river mile 4.4) (Site 73)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.02	.08
Total nitrite (N) (mg/L)	.01	.01
Total ammonia nitrogen (N) (mg/L)	.12	.04
Total phosphorus (P) (mg/L)	.04	.01
Total orthophosphete phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	62	60
Water temperature (°C)	13.2	7.9
Color (platinum-cobalt units)	30	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.7	11.3
Immediate coliform (col/100mL)	155	160
Fecal coliform (.7um-mf) (col/100mL)	--	27

Coal Creek at mouth et Dickey River mile 3.9 (Site 74)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.01	.05
Total nitrite (N) (mg/L)	.01	.00
Total ammonia nitrogen (N) (mg/L)	.09	.04
Total phosphorus (P) (mg/L)	.03	.02
Total orthophosphate phosphorus (P) (mg/L)	.02	.01
Specific conductance (micromhos)	52	54
Water temperature (°C)	12.1	7.3
Color (platinum-cobalt units)	35	20
Turbidity (JTU)	6	2
Dissolved oxygen (mg/L)	10.4	12.0
Immediate coliform (col/100mL)	180	430
Fecal coliform (.7um-mf) (col/100mL)	--	86

Dickey River (river mile 2.8) (Site 75)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.02	.09
Total nitrite (N) (mg/L)	.01	.00
Total ammonia nitrogen (N) (mg/L)	.06	.06
Total phosphorus (P) (mg/L)	.02	.01
Total orthophosphate phosphorus (P) (mg/L)	.01	.01
Specific conductance (micromhos)	59	61
Water temperature (°C)	13.4	8.0
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1
Dissolved oxygen (mg/L)	9.8	11.2
Immediate coliform (col/100mL)	96	320
Fecal coliform (.7um-mf) (col/100mL)	--	30

Dickey River (river mile 1.5) (Site 76)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.03	.08
Total nitrite (N) (mg/L)	.00	.01
Total ammonia nitrogen (N) (mg/L)	.06	.05
Total phosphorus (P) (mg/L)	.02	.01
Total orthophosphete phosphorus (P) (mg/L)	.01	.00
Specific conductance (micromhos)	59	61
Water temperature (°C)	13.1	8.3
Color (platinum-cobalt units)	35	30
Turbidity (JTU)	1	1[1]
Dissolved oxygen (mg/L)	9.6	11.1
Immediate coliform (col/100mL)	126	380
Fecal coliform (.7um-mf) (col/100mL)	--	46

Dickey River (river mile 0.3) (Site 77)

Date sample collected	8/24/76	10/4/77
Total nitrate (N) (mg/L)	.02	--
Total nitrite (N) (mg/L)	.00	--
Total ammonia nitrogen (N) (mg/L)	.04	--
Total phosphorus (P) (mg/L)	.01	--
Total orthophosphate phosphorus (P) (mg/L)	.01	--
Specific conductance (micromhos)	61	79
Water temperature (°C)	14.8	--
Color (platinum-cobalt units)	30	--
Turbidity (JTU)	1	--
Dissolved oxygen (mg/L)	9.6	9.4
Immediate coliform (col/100mL)	158	700
Fecal coliform (.7um-mf) (col/100mL)	--	--

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1975						
December						
18	1130	--	4.4	--	8	--
24	1245	--	5.5	--	55	--
25	1115	--	6.0	--	36	--
26	1030	--	8.0	--	810	--
28	1500	--	7.0	--	84	--
29	1015	--	7.2	--	49	--
30	1005	--	5.7	--	86	--
31	1610	--	--	--	21	--
1976						
January						
2	1100	--	.5	--	10	--
5	1130	--	5.0	--	18	--
6	1330	1170	--	--	16	51
8	1400	--	6.1	--	32	--
9	1530	1140	5.0	--	20	62
10	1340	1070	6.0	--	34	98
13	1150	1160	4.0	--	15	47
14	1230	1040	6.0	--	16	45
18	1100	1130	6.0	--	62	189
19	1230	1160	6.0	--	18	56
20	1130	--	5.0	--	30	--
22	1115	1200	7.0	--	13	42
23	1155	1190	5.0	--	9	29
25	1200	1230	4.0	--	13	43

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
January						
26	1200	1250	5.0	--	3	10
28	1245	--	6.5	--	76	--
29	0950	--	6.0	--	44	--
30	0940	--	6.0	--	6	--
February						
4	1420	1330	4.3	--	3	11
11	1435	2120	5.5	--	30	172
13	1200	2970	5.5	--	21	217
17	1215	3910	5.0	--	29	306
19	1130	2900	5.0	--	18	141
March						
12	1330	1220	7.0	--	4	13
18	1120	2510	8.0	--	35	237
22	1130	2770	8.0	--	19	142
24	1200	4270	7.0	--	123	1420
25	1100	3870	7.0	--	46	481
26	1020	3150	7.0	--	20	170
April						
1	1230	1860	7.5	--	18	90
15	1500	1430	9.0	--	5	19

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
June						
8	1025	1080	--	--	3	8.7
17	1215	--	--	--	26	--
24	1045	--	--	--	6	--
July						
2	1125	562	11.5	--	2	3.0
8	1720	1140	--	--	6	18
14	1030	766	--	1	9	19
23	1250	626	13.5	1	1	1.7
August						
4	1255	502	14.5	1	1	1.4
20	1300	--	--	1	4	--
September						
9	1700	--	17.0	1	1	--
29	1300	--	--	--	2	--
October						
6	--	--	--	--	1	--
20	--	--	--	--	1	--
27	--	--	12.0	--	1	--

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
November						
1	1500	--	--	--	4	--
4	--	--	--	--	2	--
17	1100	--	9.0	--	29	--
24	1430	--	8.0	--	8	--
December						
1	--	--	--	--	4	--
8	1130	--	--	--	8	--
9	1430	--	17.0	--	7	--
13	1530	960	7.7	--	7	18
16	1130	--	9.0	--	5	--
20	1130	--	6.0	--	2	--
22	--	--	--	--	1	--
28	--	--	--	--	14	--
30	1510	--	6.0	--	13	--
1977						
January						
5	1230	--	4.0	--	1	--
12	1510	--	4.0	--	4	--
17	1645	--	7.0	--	20	--
18	1540	--	7.0	--	547	--
20	1530	--	6.0	--	63	--
31	1540	--	6.0	--	2	--

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
February						
4	1245	--	6.5	--	2	--
9	1035	--	8.0	--	2	--
10	--	--	4.5	--	3	--
11	1500	--	7.1	--	8	--
13	1200	2970	5.6	--	27	217
15	1515	--	5.5	--	1	--
16	--	--	--	--	1	--
17	1340	--	9.0	--	4	--
18	1445	3790	5.0	--	35	358
22	--	--	9.0	--	140	--
23	1130	2630	7.5	--	26	185
25	1230	2450	3.9	--	12	79
25	1445	--	6.5	--	11	--
27	1215	2130	4.4	--	15	86
28	1505	--	7.0	--	4	--
March						
1	1500	1060	6.2	--	4	11
2	1010	1660	6.0	--	3	13
8	--	--	5.5	--	93	--
9	1500	--	5.5	--	66	--
10	1200	1660	7.0	--	30	134
16	1500	---	7.0	--	12	--
31	1530	1180	6.0	--	1	3.2

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
April						
8	1510	1460	9.0	--	3	12
14	1240	1150	7.0	--	1	3.1
20	1620	910	8.5	--	2	4.9
27	1320	--	10.0	--	4	--
May						
4	1430	1400	9.0	--	3	11
5	1530	1220	9.5	--	4	13
10	1450	910	10.5	--	22	54
13	1610	800	11.0	--	2	4.3
16	1055	775	10.5	--	2	4.2
25	1750	700	11.0	--	2	3.8
26	1545	--	11.5	--	2	--
27	1240	825	9.0	--	7	16
31	1400	775	10.5	--	13	27
June						
1	1650	1280	11.5	--	8	28
7	1230	1360	12.5	1	1	3.7
8	1145	--	13.0	1	4	--
15	1200	710	12.0	1	7	13
23	1635	530	14.0	1	5	7.2

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
July						
4	1645	--	6.0	--	80	--
18	0950	--	14.5	--	3	--
21	1240	--	13.7	--	178	--
August						
11	1050	--	7.0	2	8	--
17	1540	--	23.0	2	12	--
23	1615	--	16.0	--	8	--
24	1200	--	14.0	1	10	--
26	1710	--	15.5	1	35	--
September						
2	1305	--	14.0	1	10	--
9	1315	--	15.5	1	5	--
14	1645	--	16.0	1	24	--
19	1135	--	14.0	1	7	--
20	1000	755	11.0	6	12	24
21	0930	898	11.0	3	10	24
22	1035	382	11.0	2	6	9.4
October						
24	1200	964	11.0	2	13	34
25	1000	1870	9.0	2	45	227

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
October						
26	1600	1570	9.6	3	9	38
28	1250	970	9.0	2	9	24
31	1400	2640	8.0	3	28	200
November						
1	1300	3290	7.0	1	60	533
1	1545	5580	10.0	2	204	3070
7	1315	2240	8.0	5	90	544
10	1115	4430	8.0	2	108	1290
11	1150	3200	8.0	7	42	363
15	1230	4640	8.0	5	80	1000
21	1520	1590	3.0	1	9	39
28	1040	3790	7.0	4	43	440
28	1000	6410	7.0	9	312	5400
December						
1	1200	3910	--	5	111	1170
4	--	4950	--	--	163	2180
4	1050	5070	7.2	--	170	2330
6	1100	3560	6.1	2	47	452
9	1430	2610	4.0	2	16	113
12	1345	7230	--	13	155	3030
19	1300	2370	7.0	1	14	90
30	1200	1280	5.0	1	7	24

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1978						
January						
3	1120	1060	4.1	1	14	40
6	1530	2090	5.0	4	11	62
10	1020	2550	6.0	5	20	138
May						
8	1015	530	12.0	2	1	1.4
10	1500	566	11.0	2	2	3.1
15	1200	1970	--	5	17	90
17	1410	1160	11.0	3	16	5.0
23	1020	795	10.0	3	1	2.1
25	1415	680	11.0	2	6	11
26	1250	670	--	2	1	1.8
June						
1	1145	646	14.8	1	0	.00
7	1515	670	17.9	1	1	1.8
12	1600	634	13.0	3	0	.00
13	1150	680	12.5	2	1	1.8
14	1100	780	--	2	10	21
23	1515	514	16.0	--	4	5.6
September						
6	1120	546	14.0	1	4	5.9
12	--	1180	--	--	11	35

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12042503 Soleduck River at mouth near La Push, Wash. (Site 28)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1978						
September						
13	1100	970	--	2	8	21
18	1455	660	13.0	1	3	5.3
20	0955	566	14.0	1	3	4.5
22	1050	976	12.5	1	4	11
25	1050	1020	14.0	2	6	17
28	0930	690	13.0	--	5	9.3
29	0750	646	12.0	--	4	7.0

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1975						
December						
24	1330	5050	6.0	--	210	2860
25	1200	1930	5.5	--	13	68
29	1245	1860	7.5	--	46	231
30	1130	2790	6.0	--	36	271
1976						
January						
2	1020	1000	1.0	--	12	32
5	1030	2250	5.0	--	28	170
6	1120	1720	--	--	6	28
8	1030	2440	6.0	--	64	422
9	1045	1890	5.0	--	24	122
12	1120	1890	6.0	--	47	240
13	1020	1600	6.0	--	14	60
14	1100	3430	6.0	--	247	2290
15	1200	7080	7.0	--	282	5390
17	1220	2640	7.0	--	26	185
18	1020	1990	8.0	--	68	365
19	1115	1520	6.0	--	13	53
20	1415	1380	6.0	--	12	45
22	1015	814	7.0	--	32	70
23	1140	942	6.0	--	24	61
25	1050	750	4.0	--	6	12
26	1050	695	6.0	--	4	7.5
28	1115	2100	7.5	--	23	130
29	1500	1410	7.0	--	4	15
30	1020	1230	6.0	--	45	149

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
February						
4	1100	600	3.0	--	3	4.9
11	1230	2060	5.5	--	64	356
13	1330	2710	5.0	--	40	293
17	1030	4280	5.0	--	50	578
18	1400	3940	5.0	--	49	521
19	1000	2840	4.5	--	16	123
March						
12	1530	1030	7.0	--	9	25
25	1020	3900	7.0	--	39	411
26	1045	2940	7.5	--	18	143
April						
1	1100	1710	7.0	--	17	78
15	1400	966	--	--	1	2.6
July						
8	1100	514	13.0	--	13	18
October						
27	--	480	--	--	1	1.3

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
December						
8	1100	2320	--	--	61	382
9	1100	1410	7.0	--	4	15
14	0730	690	7.2	--	1	1.9
16	1330	916	9.0	--	1	2.5
20	1100	832	--	--	1	2.2
22	1400	600	7.0	--	1	1.6
28	1030	1798	7.0	--	2	9.7
30	1430	946	6.0	--	4	10
1977						
January						
5	1130	452	4.0	--	3	3.7
17	1600	1410	6.0	--	18	69
18	1400	6040	7.0	--	158	2580
20	1500	1307	6.5	--	1	3.5
31	1455	1006	6.0	--	14	38
February						
4	1200	464	6.0	--	1	1.3
9	1125	416	8.0	--	1	1.1
10	--	1610	6.0	--	29	126
11	1345	1405	6.5	--	5	19

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
February						
16	1400	856	6.5	--	0	.00
16	1405	850	--	--	1	2.3
17	--	1150	8.0	--	25	78
22	1330	5610	--	--	142	2150
23	1030	2920	7.0	--	53	418
25	1145	1360	3.3	--	24	88
25	1540	1690	6.5	--	23	105
27	1116	2090	4.4	--	35	198
March						
1	1600	1310	7.0	--	2	7.1
2	1055	1130	6.5	--	6	18
10	1020	2920	--	--	23	181
16	1400	856	7.0	--	7	16
31	1445	874	6.5	--	9	21
April						
8	1430	886	8.5	--	22	53
14	1120	868	6.0	--	5	12
20	1515	600	8.5	--	6	9.7
27	1216	590	9.0	--	4	6.4
May						
4	1340	976	8.5	--	10	26
5	1345	946	8.0	--	2	5.1

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
May						
10	1326	460	10.5	--	5	6.2
13	1540	505	10.0	--	16	22
16	1000	448	10.0	--	7	8.5
26	1600	600	10.0	--	3	4.9
27	1115	525	7.0	--	4	5.7
27	1530	747	8.0	--	5	10
31	1320	690	10.0	--	4	7.5
June						
1	1610	880	11.0	--	4	9.5
7	1145	505	10.5	1	4	5.5
8	1230	472	14.0	1	5	6.4
July						
8	1405	1555	13.5	1	2	8.4
September						
20	1115	1120	12.0	5	15	45
20	1430	1060	13.0	3	10	28
20	1845	1020	13.0	2	6	17
21	0935	802	10.0	2	6	13

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
September						
22	0950	490	10.0	1	7	9.3
22	1810	452	11.0	1	5	6.1
23	0900	416	10.0	8	2	2.2
October						
24	1345	1270	10.0	1	6	21
25	1045	1610	9.0	2	11	48
25	1155	1580	9.0	2	11	47
26	1520	1310	10.0	1	13	46
28	1250	1380	9.0	1	9	34
31	1145	2180	8.0	2	12	71
November						
1	1330	12500	9.0	5	1130	38100
4	1115	1570	8.0	--	2	8.5
7	1200	1340	8.0	3	15	54
10	0950	3490	9.0	2	107	1010
10	1330	3570	9.0	1	100	964
11	1115	2290	8.0	4	33	204
14	1135	8250	--	2	1080	24100
15	1030	3120	8.0	4	192	1620
21	1420	832	4.0	4	5	11
28	1010	3020	7.0	3	163	1330
29	0920	4820	8.0	1	30	390

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
December						
1	1330	5420	9.0	9	693	10100
4	0735	3440	--	--	156	1450
6	1030	2480	--	2	66	442
7	1550	2560	2.2	--	42	290
9	1345	1420	5.0	1	19	73
12	1200	5010	7.0	8	179	2420
19	1230	1260	7.0	1	14	48
28	1630	555	7.0	--	12	18
1978						
January						
3	1050	650	4.1	1	5	8.8
6	1250	1550	5.0	2	18	75
10	1050	1630	8.0	5	11	48
May						
12	1030	420	9.0	1	2	2.3
15	1140	1890	--	3	10	51
23	0945	404	8.5	2	2	2.2
26	1215	420	10.0	3	11	12
27	1115	660	8.0	--	13	23
31	1315	476	--	1	2	2.6

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043000 Calawah River near Forks, Wash. (Site 42)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
June						
13	1040	408	11.0	2	2	2.2
14	1010	452	9.0	1	0	.00
September						
6	1045	464	12.0	1	0	.00
11	--	1500	14.0	1	0	.00
13	1000	856	12.0	1	0	.00
18	1400	490	11.5	7	0	.00
20	0910	412	14.0	1	1	1.1
22	1000	934	10.5	1	3	7.6
25	1000	820	11.0	1	2	4.4
26	--	655	11.0	1	2	3.5
28	0830	510	12.0	--	2	2.8
28	1615	495	11.9	--	1	1.3

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1975						
December						
24	1230	11800	5.5	--	776	24700
25	1100	4580	6.0	--	24	297
26	1010	38300	8.0	--	2150	222000
28	1430	5120	7.0	--	86	1190
29	0955	4420	7.0	--	64	764
30	0950	6570	6.0	--	98	1740
31	1630	3780	--	--	52	531
1976						
January						
2	1130	2410	1.5	--	25	163
5	1150	5320	4.0	--	42	603
6	1350	4090	--	--	37	409
8	1415	5780	5.9	--	64	999
9	1555	4490	5.0	--	26	315
10	1400	7500	6.0	--	240	4860
12	1230	4490	5.0	--	38	461
13	1200	3800	4.0	--	22	226
14	1300	9350	5.0	--	274	6920
15	1230	17700	6.5	--	692	33100
17	1100	6060	7.0	--	86	1410
18	1120	4760	7.0	--	32	411

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
January						
19	1400	3270	6.0	--	12	106
20	1115	3010	4.0	--	34	276
22	1130	2970	7.0	--	22	176
23	1100	2260	5.0	--	12	73
27	1300	11300	6.0	--	572	17500
28	1300	4720	7.0	--	52	663
29	1030	3550	6.0	--	30	288
30	0925	2860	6.0	--	26	201
February						
11	1445	7180	5.5	--	66	1280
12	1215	11400	5.5	--	755	23200
17	1230	9380	5.0	--	114	2890
18	1510	7760	5.0	--	68	1430
19	0930	5640	4.5	--	50	761
March						
18	1145	9140	7.0	--	110	2720
22	1100	7300	7.0	--	56	1100
24	1030	12700	7.5	--	709	24300
25	1110	7790	7.0	--	58	1220
26	1030	6270	7.0	--	15	254

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
April						
1	1015	3250	6.5	--	4	35
15	1500	2250	9.0	--	3	18
November						
1	1500	2530	--	--	10	68
17	--	6130	--	--	705	11700
December						
9	1400	2940	7.5	--	33	262
16	1200	2380	11.0	--	8	51
20	1130	2000	7.0	--	6	32
28	1145	4170	6.0	--	34	383
30	1530	2250	6.0	--	13	79
1977						
January						
17	1500	3270	7.0	--	82	724
18	1600	12500	7.0	--	323	10900
20	1600	3230	6.0	--	10	87

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
February						
10	--	4110	--	--	62	688
11	1515	3440	6.0	--	21	195
16	--	2110	--	--	9	51
17	1330	3270	8.0	--	20	177
22	1030	13900	8.0	--	357	13400
23	1145	5850	7.0	--	85	1340
25	1240	2930	3.5	--	20	158
25	1540	3980	6.5	--	80	860
27	1400	4950	4.0	--	6	80
28	1520	3940	7.0	--	10	106
March						
1	1440	3190	6.1	--	16	138
2	1130	2560	6.0	--	5	35
8	1400	10200	6.0	--	182	5010
9	1505	9680	5.5	--	60	1570
10	1210	5850	6.5	--	33	521
April						
8	1525	2330	9.0	--	4	25
May						
4	1445	2500	9.0	--	7	47
5	--	2290	--	--	8	49

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
June						
1	1700	2270	11.5	--	9	55
September						
20	0950	3310	11.5	7	69	617
20	1505	2960	14.0	11	28	224
20	1725	2930	14.0	5	30	237
21	0930	2010	11.0	3	9	49
October						
25	0945	3820	10.0	3	24	248
25	1255	3690	11.0	5	21	209
26	1655	3220	12.0	2	8	70
28	1300	2220	9.0	5	29	174
31	1415	5300	9.0	4	32	458
November						
10	1125	9290	9.0	3	287	7200
11	--	6220	--	2	63	1050
14	1120	21500	--	2	1240	72000
14	1450	16600	--	3	792	35500
15	1245	6900	9.0	6	139	2590
28	0945	7300	8.0	5	124	2440
29	1000	11800	7.0	2	521	16600

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043015 Bogachiel River near LaPush, Wash. (Site 55)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
December						
1	1030	6600	8.0	6	121	2160
3	1250	13300	6.6	--	307	11000
4	1000	7620	7.5	--	289	5950
6	--	7000	--	4	95	1800
9	1545	3090	--	3	27	225
12	1400	10900	--	12	231	6800
19	1315	2790	7.0	1	16	121
1978						
January						
6	1515	3480	5.0	3	14	132
10	1010	3670	8.0	4	17	168
May						
17	1445	2010	12.0	3	4	22
September						
13	1115	2370	14.0	2	4	26
22	1100	2510	13.0	3	7	47

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043101 Dickey River above Colby Creek near La Push, Wash. (Site 69)

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1975						
December						
24	1030	3560	5.5	--	559	5370
25	1015	1090	5.5	--	22	65
29	1045	1230	7.5	--	197	654
30	1030	1710	6.0	--	106	489
31	1330	880	--	--	14	33
1976						
January						
2	1340	536	2.0	--	10	14
5	1420	1210	5.0	--	14	46
6	1300	1100	--	--	14	42
8	1315	1170	6.0	--	50	158
10	1430	3020	6.0	--	220	1790
12	1430	1190	5.0	--	46	148
13	1500	828	4.0	--	8	18
14	1500	1710	7.0	--	40	185
15	1430	4750	7.0	--	172	2210
19	1330	704	6.0	--	11	21
20	1045	578	4.0	--	10	16
22	1330	672	6.5	--	20	36
23	1345	536	6.0	--	9	13
27	1430	2280	--	--	128	788
28	1600	935	7.0	--	16	40
30	1230	628	6.0	--	4	6.8

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043101 Dickey River above Colby Creek near La Push, Wash. (Site 69)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
February						
11	1400	3190	5.5	--	680	5860
13	1400	1400	5.5	--	77	291
17	1430	2830	5.5	--	196	1500
19	1430	995	5.0	--	17	46
March						
18	1100	1270	6.0	--	41	141
22	1130	1100	7.0	--	52	154
24	1330	3540	7.0	--	114	1090
25	1400	1420	7.0	--	52	199
26	1100	1980	7.0	--	48	257
April						
1	1445	639	7.0	--	19	33
July						
14	1100	1115	12.0	3	6	18
December						
8	1400	1275	--	--	72	248
9	1100	585	8.0	--	30	47
16	1130	728	9.0	--	6	12
28	1100	788	7.0	--	11	23

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043101 Dickey River above Colby Creek near La Push, Wash. (Site 69)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
January						
17	1630	2870	--	--	69	535
18	1430	2110	8.0	--	270	1540
20	1500	654	6.0	--	14	25
31	1520	1050	6.0	--	163	462
February						
10	--	813	4.5	--	68	149
11	1410	756	6.5	--	23	47
12	1330	2250	6.1	--	222	1350
17	1400	880	8.0	--	72	167
22	--	2140	8.0	--	108	624
25	1430	945	3.9	--	42	107
27	1430	1170	3.3	--	9	28
March						
1	1530	724	7.2	--	10	20
9	1445	2320	6.0	--	127	796
May						
27	1600	529	9.5	--	42	60

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043101 Dickey River above Colby Creek near La Push, Wash. (Site 69)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
October						
24	1210	660	13.0	5	22	39
25	1015	985	11.0	5	17	45
25	1230	1010	11.0	3	18	49
26	1600	816	12.0	4	16	35
27	1330	596	10.0	--	14	23
31	1330	996	8.0	2	11	30
November						
1	1345	3020	10.0	2	220	1790
1	1530	3340	10.0	3	466	4200
7	1300	990	8.0	5	55	147
10	1100	2850	10.0	2	117	900
11	1140	1350	9.0	1	76	277
14	1530	4900	--	1	222	2940
15	1220	1620	9.0	4	70	306
28	1020	1530	8.0	4	29	120
December						
1	1350	4830	--	1	361	4710
4	1120	1570	7.2	--	119	504
6	1100	1410	6.7	5	83	316
7	1615	1070	2.8	--	33	95
9	1410	603	4.0	2	25	41
29	1430	668	--	--	29	52

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12043101 Dickey River above Colby Creek near La Push, Wash. (Site 69)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1978						
January						
6	1200	596	5.0	5	14	23
10	1300	684	7.5	5	15	28
May						
15	1145	564	--	4	10	15
September						
12	1030	960	15.0	--	71	184
13	1030	664	--	3	15	27

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129)

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1974						
October						
25	1215	444	9.2	1	1	1.2
November						
21	1030	2710	6.4	20	27	198
December						
18	0945	2010	5.6	2	5	27
1975						
January						
21	1100	1620	4.1	10	11	48
February						
19	0930	1070	3.8	4	6	17
March						
11	0900	1270	3.6	1	4	14
April						
14	1030	877	5.5	1	3	7.1
May						
20	0830	1800	6.8	2	5	24
June						
17	1100	2460	6.6	4	6	40
July						
14	1200	2170	10.6	3	5	29
August						
12	1400	912	14.4	7	2	4.9
September						
16	0905	730	10.6	1	2	3.9
October						
16	1010	1240	9.4	2	3	10

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1975						
November						
21	0830	2130	4.0	25	35	201
December						
22	1300	1340	4.4	10	13	47
1976						
January						
21	0930	2100	4.0	10	19	108
February						
19	1200	1530	4.4	3	5	21
March						
22	1045	1100	4.6	2	3	8.9
April						
21	0830	1010	5.7	1	1	2.7
May						
19	1230	2080	7.2	2	20	112
June						
30	1230	2590	8.9	1	3	21
July						
22	0930	1730	9.4	1	2	9.3
August						
25	1245	1000	10.8	1	1	2.7
September						
27	1230	698	11.6	2	1	1.9

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1976						
October						
26	1145	572	9.1	1	1	1.5
December						
01	0900	435	4.9	1	1	1.2
27	0945	1260	4.6	2	2	6.8
1977						
January						
26	1015	650	2.6	2	4	7.0
March						
01	1000	1030	4.4	2	1	2.8
28	1030	704	5.4	3	2	3.8
April						
22	1330	872	8.5	2	2	4.7
May						
26	0930	1140	8.0	1	2	6.2
June						
30	0930	1170	11.7	1	1	3.2
July						
25	1200	668	14.3	1	3	5.4
August						
31	1200	566	13.6	1	3	4.6
September						
21	1030	1100	12.4	1	2	5.9

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1977						
October						
25	0930	2000	9.1	10	14	76
November						
14	1230	5080	6.2	70	94	1290
December						
19	1430	2060	4.2	25	42	234
1978						
January						
30	1230	1240	4.7	6	5	17
February						
21	1130	920	5.4	2	41	102
March						
15	1000	848	5.4	1	3	6.9
April						
18	0930	836	5.4	1	4	9.0
May						
30	1215	1340	9.7	--	4	14
June						
19	1400	1870	10.6	--	5	25
July						
26	0930	968	14.3	--	4	10
August						
29	1600	686	15.3	--	2	3.7

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles, Wash. (Site 129)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1978						
September						
13	0830	992	10.9	--	8	21
October						
25	1030	450	6.6	---	5	6.1
November						
28	1245	860	4.6	--	9	21
December						
15	1055	1090	3.3	--	3	8.8
1979						
January						
18	0930	380	1.2	--	2	2.1
February						
13	1600	2880	3.0	--	9	70
March						
21	1100	1240	6.0	--	7	23
April						
18	0930	812	6.0	--	2	4.4
May						
15	1230	1660	9.5	--	3	13
June						
21	1000	1110	9.5	--	2	6.0
July						
17	0730	1020	12.9	--	4	11

TABLE 15.--Suspended sediment and related parameters in water from selected surface-water sites in the study area.

12045500 Elwha River at McDonald Bridge near Port Angeles; Wash. (Site 129)--cont.

Date	Time	Streamflow, instantaneous, (cubic feet per second)	Temperature (°C)	Turbidity (JTU)	Sediment, suspended (milligrams per liter)	Sediment discharge, suspended (tons per day)
1979						
August						
15	0745	596	14.0	--	3	4.8
September						
12	0900	576	7.1	--	12	19
October						
17	0930	--	10.2	--	3	--
November						
14	0945	--	4.8	--	9	--
December						
12	0900	--	4.6	--	81	--
1980						
January						
16	1000	--	4.0	--	--	--
February						
13	0745	--	3.7	--	21	--