APPENDIX A

Miscellaneous and Crest-Stage Discharge Measurements of Streams in Klickitat County an the Upper Klickitat River Basin.

TABLE A-1. Discharge Measurements Made at Miscellaneous Sites in Klickitat County, Washington

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
1	Mill Creek	NW4SE4, sec. 10, T. 5 N., R. 15 E., at county road crossing, 0.2 mi. upstream from Devils Canyon, 6.5 mi. north of Blockhouse	12-11-69 3-11-70 4-14-70	3.47 11.70 16.50
2	Devils Canyon	NW4SE4, sec. 10, T. 5 N., R. 15 E., at road crossing, 0.2 mi. upstream from mouth, 6.5 mi. north of Blockhouse	12-11-69 3-11-70 4-14-70	.68 2.53 2.14
3	Mill Creek	SW4SW4, sec. 22, T. 5 N., R. 15 E., at county road crossing, 2.2 mi. downstream from Devils Canyon, 4.3 mi. north of Blockhouse	12-11-69 3-11-70 4-14-70	5.05 24.7 16.3
4	Blockhouse Creek	NW4NE4, sec. 10, T. 4 N., R. 15 E., at county roading crossing, 0.35 mi. upstream from unnamed tributary, 1.5 mi. northeast of Blockhouse	12-11-69 3-10-70 4-14-70	1.51 5.18 4.23
5	Blockhouse Creek	NE4SE4, sec. 9, T. 4 N., R. 15 E., 0.5 mi. upstream from unnamed tributary, 0.6 mi., northeast of Blockhouse	12-11-69 3-10-70 4-14-70	1.04 4.77 3.98
6	Blockhouse Creek	SE4NW4, sec. 16, T. 4 N., R. 15 E., at county road crossing, 0.2 mi. south of Blockhouse 3.5 mi. upstream from mouth	12-11-69 3-10-70 4-14-70	5.06 19.5 11.2
7	Blockhouse Creek	SE4NE4, sec. 19, T. 4 N., R. 15 E., 0.7 mi. upstream from mouth, 2.1 mi. southwest of Blockhouse	12-11-69 3-10-70 4-14-70	4.26 19.2 10.7

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
8	Little Klickitat River	SE4, sec. 9, T. 4 N., R. 14 E., at gaging station .75 mi. above mouth and 2 mi. northeast of Wahkaicus	12-08-48	37.3
			1-19-49	103.
			2-26-49	1010.
			4-14-49	483.
			5-16-49	360.
			6-27-49	81.9
			7-26-49	44.8
			8-08-49	30.9
			12-01-49	58.9
			2-01-50	86.9
			3-12-50	415.
			4-05-50	445.
			5-20-50	246.
			7-10-50	67.2
			8-09-50	35.3
			9-20-50	36.6
9	Klickitat River	On line between sec. 24 and sec. 25, T. 6 N., R. 13 E., 0.1 mi. upstream from Summit Creek, at bridge on St. Regis Paper Co. road, 9.6 mi. southeast of Glenwood and at mile 36.8	8-14-74	1150.
			9-18-74	943.
			10-10-74	945.
			11-14-74	848.
10	Summit Creek	SW4SE4, sec. 24, T. 6 N., R. 13 E., 0.2 mi upstream from mouth, 9.6 mi. southeast of Glenwood	6-05-74	91.8
			7-16-74	32.8
			8-14-74	23.2
			9-18-74	17.8
			10-10-74	17.5
			11-14-74	18.1
11	Hell Roaring Irrigation Co. Canal	NW4, sec. 33, T. 8 N., R. 12 E., 10 mi. northwest of Glenwood	10-07-49	22.0
			6-15-48	1.06
			7-20-48	22.4
			8-25-48	732.

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
12	Outlet Creek	NW4NW4, sec. 14, T. 6 N., R. 13 E., 0.2 mi. upstream from mouth, 6.4 mi. east of Glenwood	10-07-45	63.4
			8-15-74	124.
			9-17-74	125.
			10-09-74	111.
			11-14-74	109.
13	Outlet Creek	SE4SW4, sec. 9, T. 6 N., R. 13 E., 0.9 mi. upstream from Outlet Falls, 4.8 mi. east of Glenwood	10-07-45	0.0
			8-15-74	12.3
			9-18-74	4.25
			10-10-74	5.31
			11-15-74	6.82
14	Outlet Creek	SW4SW4, sec. 8, T. 6 N., R. 13 E., 4 mi. east of Glenwood	10-08-45	.05
15	White Creek	SE4SW4, sec. 11, T. 6 N., R. 13 E., 0.2 mi. upstream from mouth, 6.8 mi. east of Glenwood	11-12-73	62.0
			4-11-74	287.
			4-23-74	254.
			5-07-74	176.
			6-05-74	60.2
			7-16-74	7.63
			8-14-74	2.81
			9-17-74	1.5
			10-10-74	1.41
			11-14-74	2.61
16	Wonder Spring	E2, sec. 4, T. 6 N., 13 E., 1000 ft. above mouth, 5-1/2 miles northeast of Glenwood	6-19-52	14.2
			7-14-52	15.0
			8-02-52	12.8
			8-20-52	12.7
			9-23-52	13.1
17	Wonder Spring	SW4,NW4, sec. 3, T. 6 N., R. 13 E., 0.2 mi. upstream from mouth, 0.4 mi. southeast of Klickitat State Fish Hatchery, 5.7 mi. east of Glenwood	6-05-74	22.4
			11-14-74	19.7

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
18	Indian Ford Springs #1	Sec. 4, T. 6 N., R. 13 E., 1000 ft. above former gaging station, 200 ft. above mouth and 5¼ mi. northeast of Glenwood	1-11-49	15.9
			1-12-49	17.7
			10-08-45	13.7
			1-20-46	15.7
			3-07-46	19.1
			3-30-46	20.9
			6-21-46	15.8
			8-11-46	22.0
			9-24-46	16.5
19	Indian Ford Springs #2	N2NE4, sec. 4 T. 6 N., R. 13 E., 5.5 mi. northeast of Glenwood	10-08-45	1.11
			1-20-46	2.26
			3-07-46	3.35
			3-30-46	3.7
			5-23-46	4.22
			6-21-46	3.28
			8-11-46	2.8
			10-03-46	2.41
			10-08-46	3.67
			11-11-46	2.92
			2-16-47	3.45
			3-26-47	4.02
			4-04-47	3.52
			5-03-47	2.96
			6-22-47	3.36
			8-20-47	2.52
			9-02-47	2.85
20	Unnamed Springs	NE4, sec. 4, T. 6 N., R. 13 E., at mouth, across river from fish hatchery, 5¼ mi. northeast of Glenwood	7-14-52	16.9
			8-02-52	15.7
21	Elk Creek	SW4NW4, sec. 4, T. 6 N., R. 13 E., Klickitat County, at road crossing 1.5 mi. west of Klickitat State Fish Hatchery, 0.1 mi. above mouth	10-09-74	0.07
			11-14-74	0.04

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
22	Trout Creek	SE4NE4, sec. 5, T. 6 N., R. 13 E., 0.2 mi. upstream from mouth, 0.7 mi. west of Klickitat State Fish Hatchery, 4.7 mi. east of Glenwood	6-05-74	36.6
			7-16-74	17.8
			8-14-74	11.8
			9-17-74	9.26
			10-10-74	5.41
			11-14-74	4.86
23	Little Buck Creek	E2, sec. 5, T. 3 N., R. 10 E., at forks near Underwood	10-07-42	0.17
24	Spring Creek	SW4SW4, sec. 25, T. 4 N., R. 10 E., 300 ft. upstream from mouth, 0.8 mi. west of Husum	8-23-73	11.2
25	Rattlesnake Creek	NW4NW4, sec. 31, T. 4 N., R. 11 #., 50 ft. upstream from mouth at Husum	8-23-73	0.86
26	Rattlesnake Creek near Husum	SE4SW4, sec. 10, T. 4 N., R. 11 #., at road bridge 4.7 mi. northeast of Husum	10-24-69	1.57
			12-12-69	5.79
			1-05-70	180.
			3-04-70	99.1
			4-14-70	23.0
			6-03-70	4.79
			7-09-70	0.96
			8-20-70	0.38
			10-06-70	1.1
			11-17-70	4.27
			12-22-70	14.9
			2-23-71	105.
			4-09-71	180.
			5-27-71	10.1
			7-07-71	3.27
			8-19-71	0.66
			10-06-71	1.26
			11-15-71	3.06
			1-04-72	21.8
			3-10-72	274.

Location Number on Plates I & II	Station Name	Location	Date	Discharge (cfs)
26	(continued)		4-24-72	31.0
			6-14-72	4.51
			8-02-72	0.62
			9-20-72	1.14
			8-23-73	0.05
			10-16-73	0.87
			12-06-73	91.9
			1-22-74	28.2
			3-07-74	185.
			4-26-74	40.0
			6-27-74	2.94
			8-21-74	0.44
			10-17-74	0.50
			12-10-74	4.88
			2-04-75	80.9
			4-02-75	113.
			5-28-75	8.34
			7-23-75	0.63
			9-17-75	0.32
27	Trout Lake Creek	SE4SW4, sec. 15, T. 6 N., R. 10 E., 150 ft. upstream from road crossing, 2 mi. upstream from mouth, 0.6 mi. northwest of Trout Lake	8-23-73	35.1
28	Holmes Creek	SE4SE4, sec. 2, T. 5 N., R. 11 E., Klickitat County, 200 ft. above county road crossing, 0.4 mi. northwest of Laurel	10-11-74	2.4

TABLE A-2. Discharge Measurements at Miscellaneous Sites in the Upper Klickitat Basin.

Location Number on Plate III	Station Name	Location	Date	Discharge (cfs)
1	Klickitat River	SW4SW4, sec. 13 , T. 7 N., R. 12 E., Yakima County, 0.6 mi. downstream from Dairy Creek, 5.1 mi. north of Glenwood and at mile 50.3	8-13-74 9-18-74 10-10-74 11-15-74 5-29-75	839. 540. 514. 463. 2180.
2	Elk Creek	SE4NE4, sec. 32, T. 7 N., R. 13 E.	11-14-74	.0
3	White Creek	NW4NW4, sec. 9, T. 7 N., R. 14 E.	10-09-74	.02
4	Brush Creek	NW4NW4, sec. 15, T. 7 N., R. 14 E.	10-09-74	.07
5	Bird Creek	SW4SW4, sec. 28, T. 7 N., R. 12 E., Yakima County, 33 mi. northwest of Glenwood and 1.0 mi. above Dry Creek	10-08-74 10-13-74	4.0 3.8
6	Dry Creek	NW4NW4, sec. 28, T. 7 N., R. 12 E.	9-12-74 10-08-74	0.0 .0
7	Dairy Creek	South Branch NE4SE4, sec. 8, T. 7 N., R. 12 E.	6-10-74 7-09-74 10-08-74	2. .5 .1
8	Dairy Creek	Middle Branch NW4NW4, sec. 9, T. 7 N., R. 12 E.	6-10-74 7-09-74 10-08-74	5. 3. 0.3
9	Creek	North Branch NW4SW4, sec. 4, T. 7 N., R. 12 E.	6-10-74 7-09-74 10-08-74	2. 1.5 0.2

Location Number on Plates III	Station Name	Location	Date	Discharge (cfs)
10	Hell Roaring Ditch	NE4SE4, sec. 8, T. 7 N., R. 12 E., Yakima County, at County Road crossing 6.3 mi. north of Glenwood	5-02-74	23.7
			6-06-74	.22
			7-09-74	7.4
			7-16-74	18.2
			8-13-74	74.5
			9-18-74	57.2
			10-10-74	3.06
			11-15-74	.95
11	Hell Roaring Irrigation County Canal	NW4, sec. 33, T. 8 N., R. 12 E., 10 mi. northwest of Glenwood	10-07-49	22.0
			6-15-48	1.06
			7-20-48	22.4
			8-25-48	73.2
12	Bacon Creek	North Branch SE4NE4, sec. 7, T. 7 N., R. 12 E.	6-11-74	1.5
			7-09-74	.45
			7-16-74	.51
			8-14-74	.33
			9-09-74	.20
			10-08-74	.10
			11-13-74	.10
13	Cunningham Creek	NW4SE4, sec. 15, T. 8 N., R. 12 E., Yakima Indian Reservation, 0.8 mi. above mouth, 11.2 mi. north of Glenwood	8-25-73	10.8
14	Chaparral Creek	SW4NW4, sec. 1, T. 9 N., R. 12 E., Yakima Indian Reservation, 0.2 mi. north of Glenwood	8-25-73	0.2
15	Chaparral Creek	Camp Chaparral SW4NE4, sec. 2., T. 9 N., R. 12 E.	8-15-74	0.6
16	Pearl Creek	NE4NW4, sec. 36, T. 10 N., R. 12 E., Yakima Indian Reservation, at mouth, 20.5 mi. north of Glenwood	8-25-73	0.0

Location Number on Plate III	Station Name	Location	Date	Discharge (cfs)
17	McCreedy Creek	SE4NE4, sec. 25, T. 10 N., R. 12 E., Yakima Indian Reservation, 300 ft. upstream from mouth, 21.2 mi. north of Glenwood	8-25-73	23.8

TABLE A-3. Maximum Discharge at Crest-Stage Partial-Record Stations in Klickitat County and the Upper Klickitat River Basin.

Station Number	Station Name	Location	Drainage area (mi^2)	Date	Gage Height (ft)	Discharge (cfs)
14034325	Alder Creek near Bickleton, Wash.	NE4NW4, sec. 23, T. 6 N., R. 20 E., at county road 1.3 mi. east of Bickleton	8.35	2-03-63	13.05	880
				1-25-64	6.86	58
				1-16-64	13.42	973
				1-16-71	8.49	234
				1-20-72	9.00	293
				1-13-73	8.54	240
				1-16-74	13.68	992
				3-01-75	7.83	165
14110000	Klickitat River near Glenwood, Wash.	SE4, sec. 14, T. 7 N., R. 12 E., 0.4 mi. downstream from Dairy Creek and 5.2 north of Glenwood	360.00	5-30-72	6.66	4870
				12-21-72	6.09	3770
				1-15-74	7.34	7600
				1-02-75	5.98	4800
14110700	Medly Canyon Creek near Glenwood, Wash.	NE4SE4, sec. 4, T. 5 N., R. 12 E., at county road 5 mi. south of Glenwood	1.26	1-23-70	4.98	32
				2-15-71	4.61	22
				1-20-72	6.76	49
				12-21-72	2.96	6.2
				1-15-74	6.72	84
				2-13-75	3.71	15
14111800	West Prong Little Klickitat River near Goldendale, Wash.	NE4, sec. 18, T. 5 N., R. 17 E., at private logging road 9 mi. northeast of Goldendale	10.40	2-09-61	11.69	192
				12-24-61	6.98	38
				2-03-63	8.78	98
				1-25-64	6.90	37
				12-22-64	16.16	569
				4-01-66	7.24	45
				1-28-67	8.27	77

Station Number	Station Name	Location	Drainage area (mi^2)	Date	Gage Height (ft)	Discharge (cfs)
14111800 (continued)				2-23-68	10.34	144
				1-07-69	8.10	72
				1-23-70	11.80	182
				1-16-71	9.06	105
				1-20-72	13.27	218
				1-13-73	7.63	56
				1-15-74	---	495
				2-12-75	10.20	138
14112000	Little Klickitat River near Goldendale, Wash.	NE4SW4, sec. 10, T. 4 N., R. 16 E., 400 ft. upstream from state Hwy. 97 bridge and 2.1 mi. northeast of Goldendale	83.50	1-16-71	6.06	1340
				1-20-72	8.75	3290
				12-21-72	4.55	720
				1-15-74	10.61	4800
				2-12-75	3.86	418
14112200	Little Klickitat River tributary near Goldendale, Wash.	NW4, sec. 15, T. 4 N., R. 16 E., at county road 1½ mi. northeast of Goldendale, Wash.	0.71	2-09-61	10.10	50
				2-17-62	7.31	8.9
				2-03-63	11.00	192
				1-25-64	7.68	14
				12-23-64	11.14	229
				1-08-66	7.81	16
				1-28-67	7.67	14
				2-23-68	7.94	18
				3-17-69	7.71	14
				1-23-70	9.06	34
				1-16-71	9.71	48
				1-20-72	10.43	58
				1-13-73	8.64	30
				1-15-74	10.70	153
				2-12-75	8.09	21

Station Number	Station Name	Location	Drainage area (mi^2)	Date	Gage Height (ft)	Discharge (cfs)
14112400	Mill Creek near Blockhouse, Wash.	NW4SW4, sec. 5, T. 4 N., R. 15 E., on left bank 1.9 mi. northwest of Blockhouse and 3.5 mi. upstream from mouth	26.90	1-22-72	3.44	38
				1-15-74	5.44	430
				2-12-75	3.38	105
14112490	Bowman Creek near Wahkiacus, Wash.	SE4NW4, sec. 10, T. 4 N., R. 14 E., at road crossing 0.5 mi. downstream from Canyon Creek, 0.5 mi. upstream from mouth and 3.2 mi. northeast of Wahkiacus	60.10	1-15-74	697.79	1950
				1-25-75	686.23	316
14122800	Phelps Creek near B-Z Corner, Wash.	NE4NW4, sec. 35, T. 5 N., R. 10 E., at state hwy. 141, 2.5 mi. north of B-Z Corner	1.88	1-23-70	13.44	97
				2-15-71	12.38	60
				1-20-72	13.42	96
				12-21-74	12.38	60
				1-16-74	15.56	215
				2-13-75	12.06	33
14034320	Dead Canyon tributary near Alderdale, Wash.	On N2 line between sec. 14 and 15, T. 5N., 0.62 R. 23E., 6 mi. north of Alderdale	0.62	1955*	---	++
				1956*	---	++
				1957*	---	++
				1958*	---	++
				1959*	---	++
				1960*	---	++
				1961*	---	++
				1962*	8.49	2.1
				1963*	---	++
				1964*	---	++
				12-22-64	10.13	17
				1966*	---	++
				1967*	---	++
				1968*	---	++

Station Number	Station Name	Location	Drainage area (mi^2)	Date	Gage Height (ft)	Discharge (cfs)
14034320 (continued)				2-11-69	9.36	9.2
				1970*	---	++
				1971*	---	++
				1972*	---	++
				1973*	---	++
				1-16-74	13.60	12

* Water year

++ No evidence of flow

APPENDIX B

Well Inventory, Klickitat County, Washington

Appendix

Appendix B is a partial inventory of wells within Klickitat County. Altitude is in feet above mean sea level and depth is in feet below land surface. Static water-level measurements listed to significant figures were obtained during the course of this study or from U. S. Geological Survey records. All other water levels listed were obtained from dilling logs and/or other sources for which the measurement accuracy is unknown. Use code is D-domestic, I-irrigation, N-industrial, M-municipal, U-unused, S-stock, and T-test well.

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
					T. 2 N. R. 12 E.						
3G1	Spokane, Portland & Seattle RR	80	340	10	60	Basalt	50	8/22/29	N	300	
3J1	Lyle Water Co.	90	80	10		Gravel	35	12/26/34	M	100	
					T. 2 N. R. 13 E.						
6D1	Dayton Henderson	1200	160	6	158	Interbedded Sediments	111	6/05/72	D	28	Deepened - SWL was 42' Temp 13.5°C
16L1	Cecil Odom	300	191	6	53	Vesicular Basalt	127	6/30/75	D	5	SWL was 48' 4/21/70 Temp 11°C
16L2	Ivor Jones	360	315	6	20	Vesicular Basalt	157	6/02/73	D	25	Deepened from 205' - SWL was 130' Temp 16.5°C
16L3	Robert G. Knowles	350	250	6	26	Vesicular & Fractured Basalt	183	6/30/72	D	17	Temp 17°C
16L4	George McKinnon	350	175	6	22	Vesicular Basalt	119	10/24/72	D	60	Deepened from 142' - SWL was 100' Temp 11°C
16M1	A. J. Bradley	240	74	6	14		3.4	7/07/75	D	5	SWL at surface in winter
16P1	Orison C. Murdock	300	128	8	49	Basalts & Interbedded Sediments	80	1/02/53	D	25	
16P2	Samuel L. Dean	280	20	42		Sand and Gravel	14	9/14/55	D	18	
16P3	Frank Healey	280	130	6	19.5	Vesicular Basalt			D	12	Temp 11°C
16R1	Karl F. Moore	260	107	8	14	Fractured Basalts & Interbedded Sediments	Flow	4/01/60	D	75	Flows intermittently

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Water Level Below Land Surface Date	Use	Yield (gpm)	Remarks
21R1	Donald E. Graves	250	140	8	140	Gravel	110.4	6/07/75	D,I	100	Temp 11°C
22F1	Fred Smith	320	500	12	90	Fractured Basalt	200	12/23/73	I	700	Temp 16°C
22P1	W. H. Gregory	280	285	10	20	Fractured Basalt	77	5/18/73	N	800	
24C1	North Cloud	450	65	6			25	7/08/75	D		
25N1	Klickitat Co.	220	210	6	210	Basalt	70	7/07/70	N	250	Capped & Abandoned Temp 6°C
27B1	Lawrence Tidyman	235	280	10	20	Vesicular Basalt	86	00/00/53	I	1000	
28A1	Akira Ogawa	190	169	8	115	Basalt & Clay	66	3/22/66	I	80	12 GPM at 90' Temp 15.5°C
28F1	Harry Toda	180	170	8	170	Basalt & Interbedded Sediments	79	10/18/72	D	25	
28G1	Frank Toda	210	100	8	98	Gravel	65	2/02/53	D	160	
28J1	Owen Sisson	195	189	8	44	Basalt	137	3/22/66	P	50	Temp 8°C
28Q1	Bud Williams	190	205	6	19	Vesicular Basalt	119	12/01/71	D,I	50	
28R1	Tom Williams	190	187	8	8	Basalt	120	2/00/55	D		Water at 80' and 187'
28R2	Cecil L. Odom	190	90	6	40		3	7/30/63	D	10	Well was polluted until casing was cemented into basalt. SWL lowered as result.
33C1	Dalles Port Dev. Co.	170	110	6	20	Vesicular Basalt	40	8/25/70	P	1	Temp 12°C
33R1	Spokane, Portland & Seattle RR	127	148	6	8		93.6	3/22/66	U	45	
34E1	C. T. Smith	220	260	12			188.9	3/23/66	P		Temp 12°C
34L1	Dalles City	235	541	8	42	Basalt	207.8	3/23/66	P	85	SWL was 158' in 1932

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
					T. 2 N. R. 14 E.						
19F1	U.S. Corps of Engineers	180	105	8	105	Gravel	26.1	9/08/75	P	300	Temp 11.5°C
					T. 2 N. R. 15 E.						
7M1	Coffield & Sons	1200	267	8	240	Fractured Basalt	101	3/08/68	I,P	150	Deepened from 98' Temp 12°C
17M1	Spokane, Portland & Seattle RR	172	301	14	107	Fractured Basalt	33.95	5/26/30	U	200	
17M2	Spokane, Portland & Seattle RR	171	399	16	154	Vesicular Basalt	36	5/26/30	N	835	
17M3	Spokane, Portland & Seattle RR	169	475	12	39	Basalt	49.5	5/22/30	N	750	
18P1	Otis Smith	400	160	8					D,I		
					T. 2 N. R. 16 E.						
3D1	Lee Ritter	180	130	6	66	Fractured Basalt	47	3/28/72	D	10	Temp 10°C
3D2	George Gunkel	180	52	6	51	Sand and Gravel	18	3/30/72	D	60	Temp 10°C
3D3	Lee Ritter	180	250	6	19	Vesicular Basalt	77	4/06/72	D	60	
4F1	James W. Howe	180	50	10	47	Sand and Gravel	30	4/28/69	I		
4F2	William F. Coffey	180	52	6	50	Sand and Gravel	23	4/11/70	D	125	Temp 11°C
4M1	S. Tsubota	181	41	60	41	Sand and Gravel	17.7	3/21/66	I	1300	
4M2	U.S. Corps of Engineers	180	51	8	51	Sand and Gravel	13	8/25/60	P	175	SWL reported to be at same level as Dalles pool Temp 14.5°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Water Level Below Land Surface Date	Use	Yield (gpm)	Remarks
					T. 3 N. R. 10 E.						
2B1	Pacific Power & Light Co.	380	40	6	27	Gravel	5	11/24/73	P	40	Temp 14.5°C
13J1	Mae S. Wedrick	1080	18	36	9	Alluvium	13	10/26/61	D	3	Temp 2°C
13R1	A. F. Moore	800	543	5	538	Fractured Basalt	442	12/13/68	D,I	20	Temp 10°C
					T. 3 N. R. 11 E.						
5N1	Richard Orthman	1480	290	6	30	Interbedded Sediments	124.8	6/24/75	D	8	
5N2	Stan Hammond	1480	300	6	75	Gravel	200	5/30/75	D	5	
5P1	Fred A. Heany	1690	240	6	19	Weathered Basalt	80	3/11/74	D	9	
6L1	L. Huszar	1200	165			Basalt	100.4	6/27/76	D		
7B1	Merlin Yarnell	1330	175	6	116	Fractured Basalt			T	5	
7G1	J. A. Spring	1240	150			Basalt			D	37	
7Q	W. Snoksdoff	1040	83	6	40	Fractured Basalt	65	11/17/73	D	90	
8D1	Robert Allen	1640	82	6	82	Fractured Basalt			D		
8D2	Robert Allen	1640	80	6	60	Interbedded Sediments	15	5/19/74	D	8	
8E1	Dennis Peoples	1640	400	6	79	Basalt	320	7/25/74	D	3	
8K1	Bob Jarvis	1785	80	4		Basalt	25.3	10/09/75	D		
9A1	Lynn Comer	1910	180	6	41	Interbedded Sediments	78.1	10/08/75	D	4	SWL 45' on 5/21/74
9R1	Gilbert Randall	1950	95	6	83	Sand	41.2	10/13/75	D	12	
10C1	Charles A. Saylor	1860	225	6	52	Vesicular Basalt	131	3/15/73	D	10	Temp 13°C
10D1	Robert B. Tetreault	1900	28	36	26	Alluvium	19	10/15/67	D	10	
10J1	Fred Hause	1965	120	6		Basalt	20	10/08/75	D		Pumping level 35' - SWL from owner's memory

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
10Q1	Fred A. Heany	1965	176	6	147	Basalt & Clay			D	3	
11N1	Bruce Amoss	1996	148	6	148	Vesicular Basalt	47	11/09/74	D	6	Pumping level reported to be 80'
11P1	Dick Clack	2000	153	6	145	Basalt & Clay	40	9/18/74	D	10	
15A1	Roger Ordway	2000	70	6		Interbedded Sediments	23	10/10/75	D	40	SWL from owner's memory
15B1	Ralph Huitt	1930	185		57	Basalt	50	1975	U	100	
15B2	Butch Yarnell	1960	170	6					D		Reported to have low capacity
15C1	Victor Jaksha	1960	215	6		Basalt & Clay	90	1975	D	18	SWL from owner's memory
17J1	Glen C. Wildebour	2190	140	6	64	Weathered Basalt			D	10	Temp 11.5°C
18B1	John LaFollette	1050	280	6	140	Fractured Basalt	165	11/09/70	D	12	Temp 11°C
18C1	H. B. Larsen	1000	300	16	300	Weathered Basalt & Clay	100	10/15/70	I	60	
18F1	Merlin Yarnell	920	15			Alluvium	0.0	6/24/75	U		
18F2	Klickitat County Cemetery	920	61	6	20	Basalt	10	1/07/65	I	50	
18F3	Merlin Yarnell	920	335	8	35	Basalt	90	6/18/68	D,I	125	
18F4	Klickitat Co. Cem.	920	275	8	33	Basalt	145	7/17/69	I		
18K1	Jack Prine	900	235	6	49	Interbedded Sediments	200	9/01/70	D	18	Temp 12°C
18L1	Robert L. Dunn	900	290	6	40	Fractured Basalt	130	7/03/70	D	2	Temp 12°C
18L2	P. L. Thompson	880	185	6	105	Basalt	80	7/24/68	D	25	
18P1	Charles L. Jeter	890	190	6	39	Interbedded Sediments	170	7/09/70	D		
18P2	James E. Barnedt	880	183	6	183	Fractured Basalt	96	5/27/71	D,I	35	
20D1	Don Ramsay	2000	160	6	126	Weathered Basalt	80	3/17/74	D	12	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
21D1	Clark	2165	186	6		Vesicular Basalt	148	10/08/75	D		
23M1	Marion E. Stauch	1975	12.5	53		Alluvium	9.5	10/10/61	D	12	Temp 9°C
28D1	Don Ramsay	2250	600	6	63				U		Dry Hole
29E1	City of Bingen	490	410			Basalt	296.8	10/09/75	U		Reported SWL of 95' 5/28/70
29M1	City of Bingen	360					70	10/09/75	U		
30F1	Underwood Fruit Co.	120	265	14	29	Fractured Basalt	Flow	9/08/55	U		Deepened to 332' on 3/30/61, abandoned and plugged
30F2	Underwood Fruit Co.	120	257	8	185	Fractured Basalt	41	10/19/72	N	500	
30J1	City of Bingen	340	300			Basalt	63	10/09/75	U		
30R1	S.D. & S. Lumber Co.	100	252	12	75	Fractured Basalt	64	10/09/75	N	475	SWL 60' at 157' depth
34Q1	Lyle Trailer Court	150		6			50.9	7/28/75	U		
					T. 3 N. R. 12 E.						
1E	Robert Schwagerl	2020	130	6	65	Vesicular Basalt	28	9/13/73	D,I	30	Temp 11°C
1N1	John Stephens	1880	375	6	19		4	10/13/72	D	8	Deepened 100' to 375' on 11/14/74 Temp 12°C
3R1	Cascade Pacific Properties	1950	280	6	24	Vesicular Basalt	33	1/26/73	D	3	Temp 11°C
4E1	Leis	2331	40			Alluvium	12.4	10/10/75	D		
6K1	H. Robert Cole	2330	110	6	83		55	7/05/74	D	13	Temp 11°C
13G1	James Block		200	6	19				T		No Water
13Q1	Bob Jellum	1350	205	6	19				T		No Water
13Q2	Bob Jellum	1350	250	6	19				T		No Water
15G1	Francis H. Keyes	1440	85	6	25		10	9/20/69	D	12	Temp 11°C
21H1	Ed Wegner	1040	175	6	50	Fractured Basalt	105	7/30/74	D	7	Temp 11°C
21K1	J. Shepherd	1038	300	6			236.6	10/10/75	D	4	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
21K2	J. Shepherd	1038	530	6	59	Vesicular Basalt	450	7/01/74	U	10	
27N1	Boolin	570	111	6	110	Fractured Basalt	57.05	10/09/75	D		
27N2	J. Brubaker	500	25	36		Alluvium	7.85	6/15/75	D		
27N3	J. Brubaker	540	30	6		Alluvium	5.5	6/15/75	U		
27N4	J. Brubaker	540	73	6	72	Gravel	46.5	12/16/74		25	
28P1	Ed Cole	520	235	6	34		25	10/28/71	D	12	Temp 13.5°C
28P2	Mike Wilkins	520	250	6	18	Fractured Basalt	40	7/17/72	D	6	Water level approx.
28P3	Mike Wilkins	530	120	6	18	Fractured Basalt	8	2/22/74	D	5	
32A1	Dennis Clark	480	340	6	26	Fractured Basalt	270	4/05/71	D	30	Temp 12°C
32H1	Wash. Dept. of Highways	300	250	10	250	Fractured Basalt	173.8	2/02/68	D	50	Temp 13.5°C
					T. 3 N. R. 13 E.						
5B1	Harry Miller	400	55	6	38	Fractured Basalt	10	2/21/74	D	50	Temp 11°C
8L1	D. Whitten	320	35				9.1	7/28/75	D	8	Pump operating during water level measurement.
8L2	R. McMurrin	320	18			Alluvium	10.3	7/28/75	D,I		
15C1	Beattie Ranch	2000	250	6	37	Vesicular Basalt	101	8/01/74	D	8	Temp 12°C
23L1	Doug Taylor	1800	204	6	29	Vesicular Basalt	35	6/16/73	D	20	Water encountered at 55' Temp 13.5°C
25B1	Harry W. Hoyes	2020	205	6	113		171	10/28/71	D	17	Temp 12°C
28L1	E. H. Struck	1550	90	8	43	Clay	8	12/26/72	D	40	Temp 12°C
31L1	Wallace Regets	1250	245	6	220	Sand and Clay	177	9/24/74	D	20	Temp 14.5°C
31N1	Clara Palmer	1200	115	6	115	Gravel	43	4/14/72	D	30	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
31N2	Don Johanson	1200	235	6	235	Sand and Clay	175	5/25/72	D	24	Temp 13.5°C
31N3	Ed G. Woods	1180	280	6	254	Vesicular Basalt	199	9/06/73	D	45	Temp 11°C
					T. 3 N. R. 14 E.						
3P1	Hartford Land Corp.	1860	220	6	24	Fractured Basalt	101	7/21/74	D	4	Temp 12°C
9Q1	Alvin Randall	1980	415	6	19	Fractured Basalt	214	11/01/74	D	3	Geophysical logs Deepened from 250' Temp 11°C
9Q2	Alvin Randall	2000	145	6	19				T		No Water
12J1	Virginia Fahlenkamp	1840	232	6	22	Clay interbed	37	10/29/75	D	150	
14N1	Alvin Randall	1720	300	6	120	Fractured Basalt	110	8/05/68	D	15	Well deepened from 112' 8/5/68 SWL was 99' Temp 12°C
14R1	Arnold Hoikka	1700	72	8		Sand	7.25	10/29/75	D		
18M1	Harold Sorenson	2140	900	6			700	10/21/65	U	25	Reported SWL
19L1	Carl Parrish	1870	150	6			126.95	10/21/65	D	Low	
19L2	Carl Parrish	1870	310	6	19	Vesicular & Fractured Basalt	83	10/16/72	D	7	Temp. 11°C
24C1	Arnold Hoikka	1645	110	8	47	Basalt & Interbedded Sediments	36.65	10/29/75	D	20	
24P1	L. D. Haverstick	1590	90		16		37	4/15/75	D		SWL approx.
25C1	Roy Mattson	1560	80	6			21	10/29/75	D		
26K1	Unknown	1580	63	6			7.2	10/29/75	U		
29B1	Jim Heglin	1650	332	6	87	Vesicular Basalt	55.34	10/29/75	D	0.5	Geophysical Logs Temp 11°C
					T. 3 N. R. 15 E.						
1R1	Calvin Linden	1610	77	8			12.6	10/28/75	D	20	Temp 12°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
2J1	Randy Enyeart	1570	400	6	19.5	Fractured & Vesicular Basalt	6.00	9/28/76	D	20	Temp 12°C Geophysical Logs
3J1	Calvin Linden	1680	622	8	34	Fractured Basalt	15.4	11/18/66	I	50	Temp 13.5°C
3N1	Joe Crocker	1700	110	6		Clay Interbed	17	3/16/72	D	17	Casing to 19' Temp 11°C
4H1	Ray Beyerlin	1745	70	8			19.76	10/29/75	D		
5L1	Peter Anderson	1860	115	8	8		Flow	10/27/75	D		Temp 12°C
7D1	Virginia Nygaard	1950	310	6	20	Vesicular Basalt	170	5/01/72	D	20	Deepened to 310 5/06/72
7Q1	Glen Smith	1650	46	6			1.2	10/29/75	U		
8R1	Harold Isaacson	1630	95	6		Basalt & Interbedded Sediments	17.28	10/19/65	D		Temp 12°C
8R2	Harold Isaacson	1630	70	6	50	Vesicular Basalt	12	5/30/74	D,I		
10R1	Ed Bean	1605	100	6	26	Vesicular Basalt	20	8/03/71	D,I	60	Temp 13.5°C
11C1	Bill Cameron	1625	133	6			8.23	10/29/75	D		
11C2	Cameron Brothers	1625	282	6	86	Vesicular & Fractured Basalt	4.6	10/29/75	D	60	Temp 14.5°C
11N1	Harry Emerson	1600	100	6	47	Vesicular Basalt	28	5/03/71	D	15	Temp 14.5°C
11N2	Clarence Lande	1595	90	6	40	Clay Interbed	30	10/29/75	D	25	Temp 11°C
12A1	Calvin Linden	1600	170	10	41	Fractured Basalt	11.35	10/12/65	I	60	Plugged at 170' Temp 11°C
12R1	Stewart Basse	1600	337	8	57	Fractured Basalt	12	10/17/66	I	250	Temp 13.5°C
13B1	Stewart Basse	1595	232	8	42	Fractured Basalt, Sand & Gravel	8.1	10/28/75	I	830	
13C1	Stewart Basse	1595	232	8	42	Vesicular Basalt	12.32	10/20/75	I		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
14D1	Centerville Grange	1600	110	6	40	Gravel	38	11/25/60	D	60	Reportedly sealed & buried because of contamination
14D2	Lehto & Thompson	1600	85	6		Fractured Basalt	30	8/15/73	D	25	Deepened from 67' to 85' -- 8/13/73 Temp 12°C
15A1	E. W. Basse	1595	102	6			27.16	10/29/75	U		
15B1	John Harju	1595	92	6	35	Vesicular Basalt	19.9	10/28/75	D	30	Deepened from 42' Temp 11°C
17Q1	Glen Smith	1595	83	6			15.64	10/28/75	D		
18Q1	Glen Smith	1600	60	6		Basalt	43.15	10/28/75	U		
19J1	Glen Smith	1565	102	6	52	Fractured Basalt & Sediments	5.74	10/28/75	D,I	100	
20H1	Henry A. Miller	1570		6			3.84	10/28/75	S		
20L1	Quentin Jaekel	1560	262	8	73	Gravel, Sand & Clay	41.5	10/28/75	I,S	400	Well flowed when drilled
21B1	Lyle Woods	1580	70	10	42	Sand & Gravel	2.5	10/14/49	I	125	
22H1	Centerville Grange	1600	110	6	100	Clay & Gravel	41.1	10/28/75	I	60	Temp 12°C
22H2	Wash. Dept. of Natural Res.	1590	616	12	286	Fractured Basalt	9.50	5/18/76	I	1160	Temp 16.5°C Geophysical Logs
26B1	M. H. Eshelman	1635	120	6	120	Sediments	49.15	10/29/75	D		
28A1	Frank Garner	1590	85	6			13.60	9/18/75	U		
28M1	William Garner	1630	90	8	80	Gravel	51.94	10/28/75	I	160	
28P1	William Garner	1640	311	8	208	Fractured & Vesicular Basalt	62.73	4/15/75	I	200	
29G1	Wash. Dept. of Natural Res.	1615	900	16	300		124.5	1/27/76	U	450	Deepened from 605' Geophysical Logs Temp 17°C
32C1	E. T. Morran	1690	175	6			97.61	10/18/65	D		Temp 12°C Well being pumped during water level measurements

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
33A1	G. B. Ritzchke	1675	195		98	Gravel	55	00/00/54	D		
						T. 3 N. R. 16 E.					
2D1	Chuck Young	1780	195	6	27	Fractured & Vesicular Basalt	18	8/15/73	D	45	Temp 11°C
3B1	Clyde M. Story	1750	85	8	71	Vesicular Basalt & Clay	28.01	10/29/75	D	60	Temp 11°C
3F1	Marion Campbell	1730	430	6	35	Vesicular & Fractured Basalt	27	8/17/73	D	50	Temp 11°C
3L1	V. Stenbolm	1620	430	8	30		9	8/20/76	U		Geophysical Logs
4C1	Gerard A. Hanlon	1760	130	6	40		95	8/23/72	D	10	Temp 11°C
4H1	Bert Beyerlyn	1680	100				32.95	10/28/75	D	6	Temp 17°C
4P1	C. A. Gronewald	1680	63	6		Clay & Sand	16.69	10/29/75	D	6	
5A1	O. L. Hamilton	1725	70	5			49.16	10/05/65	D		Temp 12°C
5J1	Ross Crafton	1710	62	6			29.45	10/18/65	D		
7E1	Frank Linden	1615	150	6			32.45	10/28/75	S		Well depth estimated
7Q1	Stewart Basse	1590	302	12	120	Fractured Basalt	32.45	10/27/75	I		
8J1	Frank Linden	1660	352	12	120	Fractured Basalt	44.68	10/27/75	I		
8K1	Frank Linden	1630	150	8	72	Fractured Basalt	13.63	10/12/65	D	50	Temp 12°C
8K2	Frank Linden	1630	180	8	119	Fractured Basalt & Interbedded Sediments			D		
8K3	Frank Linden	1630	316	8	110	Fractured Basalt	32.33	10/20/75	T,I	350	Temp 9°C
8Q1	Frank Linden	1640	367	8	148	Fractured Basalt & Interbedded Sediments	28.67	10/27/75	T,I	300	Temp 9°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
9E1	Luke Enyeart	1645	123	6			22.91	10/29/75	D		
9E2	Luke Enyeart	1660	131	6			37.86	10/18/65	U		
12D1	Gale Hiler	2000	295	6	19	Fractured Basalt	210	7/27/70	D	3	Temp 11°C
18D1	L. J. Eshelman	1590	68	8	68	Sand & Gravel	6	10/04/65	U	120	
18D2	L. J. Eshelman	1610	70	6	40	Sand	10	10/06/65	D	115	Temp 11°C
18D3	Calvin Linden	1600	983	16	339	Basalt & Interbedded Sediments	17.64	10/28/75	I	1500	Geophysical Logs
18Q1	L. M. Young	1640	115	6			71.57	10/28/75	D		
19D1	Frank Bromley	1650	85	6			65.58	10/18/65	D		Well depth approx.
20B1	Paul Dooley	1710	132	6			77.99	6/15/76	U		
29G1	R. E. Hornibrook	1600	375	8	8		35.00	8/28/76	U		Geophysical Logs
30F1	Clinton Cosner	1800	160	6	56	Interbedded Sediments	82.82	10/28/75	D	20	
					T. 3 N. R. 17 E.						
1A1	Wm. Claussen	2070	100	6			28.60	12/10/75	U		
2C1	Wm. Claussen	2042	55	6		Basalt	Flow	8/12/75	D	60	
2C2	Wm. Claussen	2040	35	36			4.4	8/12/75	U		
3A1	Davenport	2040	260	6	20		154.6	8/12/75	D		
4A1	Wm. Hoctor	1990	88	4			35	10/06/65	D		SWL from owner's memory
4A2	Wm. Hoctor	1980	287	6		Fractured Basalt	92.5	8/12/75	D	12	Temp 12°C
5B1	Emmett Hoctor	1925	130	10	80	Interbedded Sediments	65.15	10/29/75	I	500	
5C1	Emmett Hoctor	1910	69	8	28		15.80	10/06/65	D	35	
5P1	Emmett Hoctor	1960	186	12	52	Fractured & Vesicular Basalt	93.90	8/13/75	U	125	
6D1	C. R. Dowell	1870	110	6		Sand	7.10	8/13/75	D		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
9B1	Wm. Hoctor	2580	112	6	103	Vesicular Basalt & Interbedded Sediments	80	11/19/69	D	35	Temp 11°C
12P1	Spokane, Portland & Seattle RR	400	325	12	145	Fractured Basalt	148	6/15/66	N	85	Temp 16.5°C
15L1	Ray Ferguson	400	42	6	40	Sand and Gravel	25	7/01/68	D	6	Temp 13.5°C
20K1	Martin Marietta	460	1128	20	30	Fractured & Vesicular Basalt	228	4/08/71	N	1000	
20L1	Walter Thompson	450	125	8	45	Sand	16.20	10/22/65	C	55	
21A1	Martin Marietta	520	504	10	23	Fractured & Vesicular Basalt	243	4/28/71	U		
21C1	Martin Marietta	500	1000	20	550	Fractured & Vesicular Basalt	270	9/08/71	N	840	Temp 16.5°C
28R1	U.S. Corps of Engineers	185					50.3	8/13/75	P		
29A1	U.S Corps of Engineers	247	769	16	301	Vesicular Basalt	121	10/22/65	N	550	Temp 18°C
					T. 3 N. R. 18 E.						
6D1	Yeley	2090	121.5	8			7.5	8/13/75	D		
9N1	Leland Huot	440	116	8	109	Vesicular Basalt	14	5/09/64	D,I	40	Temp 15.5°C
					T. 3 N. R. 19 E.						
2A1	C. D. Kelley	1100	310	6					U		
2A2	C. D. Kelley	1100	30	6	25	Fractured Basalt	11	11/16/72	D	45	Temp 11°C
7G1	Bob Imrie	1435	298	6			245.6	7/21/76	U		
8E1	F. Wesley	1350	300	6			260	8/06/75	D	9	SWL approx.

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
8N1	Alice Wesley	1260	223	6	20	Fractured Basalt	205.7	8/06/75	D	7	Deepened from 195' Temp 12°C
13R1	J. Beeks	1047	180	6			147.8	8/07/75	D		
14H1	L. Goddard	1240	350	6			283.5	7/02/76	U		
18C1	Bob Imrie	1255	214.4	6			91	8/06/75	D,S	7	
18C2	Bob Imrie	1270	190				150	8/06/75	D		SWL from owner's memory
18L1	N. Doff	1242	115	48			110	8/06/75	D	3	
18Q1	Bob Imrie	1120	180				35.2	8/06/75	S		
23J1	Joe Horrigan	1018	140	6			126.7	7/21/76	U		
29B1	U.S Corps of Engineers	280	285	8	279	Vesicular Basalt	15.3	11/19/74	P	820	Temp 17°C
					T. 3 N. R. 20 E.						
7F1	Horace White	830	265	10	39	Vesicular Basalt & Interbedded Sediments	28.3	9/16/75	U	250	
10P1	Juris	667	100				3.5	8/07/75	U		
13R1	D. Beeks	405	260	6			167.6	9/13/76	U		
21P1	Sundale Orchard Inc.	310	215	8	46	Fractured Basalt	87	8/24/52	I	100	
21Q1	Sundale Orchard Inc.	360	90	6		Fractured Basalt	87	8/24/52	I	100	
21Q2	Sundale Orchard Inc.	307	272	12	70	Fractured & Vesicular Basalt	110	5/01/64	I	900	Temp 14.5°C
24H1	D. Beeks	990	260	6	60	Gravel	168.5	8/15/75	U		
					T. 3 N. R. 21 E.						
9L1	U.S. Corps of Engineers	280	191.5	14	65	Vesicular Basalt	101	4/04/66	P	92	Temp 16.5°C
9N1	North Roosevelt Water Association	280	81	8	24	Vesicular Basalt	55	6/20/61	M	100	Temp 16°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
9N2	North Roosevelt Water Association	280	88	8	22.5	Vesicular Basalt	67	5/10/61	M	98	
17F1	City of Roosevelt	350	223	6.5	50	Fractured Basalt	170	10/30/61	M	175	Temp 18.5°C Cascading Water
18J1	Norm Goree	370	250	6	64	Vesicular Basalt	140	11/07/72	I	60	Deepened from 186'
					T. 4 N. R. 10 E.						
11A1	Orlis Hale	900	137	6	137	Fractured Basalt	82	9/16/67	I		
11A2	Paul Newton	980	160	6	40	Vesicular Basalt	88	00/00/73	D	25	
11H1	Jess Moon	716	145	6		Vesicular Basalt			D		
11H2	E. W. Krall	700	72	6	70	Basalt	32	5/20/47	D	20	
11H3	J. R. Verley	700	130	6	115	Fractured Basalt	94	10/03/73	D	3	
11J1	F. L. Baugher	680	125	6	60		43	8/01/68	D	15	
12M1	Carl Belding	690	105	6	105	Vesicular Basalt	79	5/05/69	D	24	
12N1	Unknown	930	65	6		Vesicular Basalt			D	12	
13D1	L. Gribner	940	100	6			25.1	10/11/75	D		
13D2	L. Gribner	940	85	6		Vesicular Basalt	45	9/13/75	D		
13F1	Jay Robbins	940	85	6	35	Vesicular Basalt	30	6/16/70	D		
13G1	Eugene C. Morris	600	85	6	37	Vesicular Basalt	43	7/15/71	D	18	
13H1	Cora Rayburn	520	103	6	96		53	8/21/64	D	30	
13K1	Lawrence Ashley	590	84	6	84	Basalt and Sediments	44	7/20/72	D	10	
13Q1	Arthur F. Moore	580	81	6	39	Fractured Basalt & Sand	35	8/24/48	D	20	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
13Q2	Arthur F. Moore	580	255	6	188	Interbedded Sediments	Flow	10/15/56	D	Flowing at 30 gpm	17 psi Temp 17°C
13Q3	B. A. Knapp	580	81	6	81	Fractured Basalt	44	7/18/72	D	30	
13Q4	L. M. Ashley	580	104	6	99	Fractured Basalt & Gravel	53	5/15/74	D	20	
24J1	Bob Jarvis	540	80	6			21.2	8/18/76	U		
24J2	Bob Jarvis	540	93	6	81	Sediments	16.3	2/12/76	U	30	
24R1	H. Barker	520	90	6	82	Vesicular Basalt	12	10/11/75	D		
25H1	A. W. Fredrick	440	95	6		Vesicular Basalt	28	7/27/72	D	40	Deepened from 78'
25H2	L. Duhrkop	440	90				34.7	10/07/75	D		
25H3	G. Hendryx	440	91			Vesicular Basalt	32.05	8/07/75	D		Iron in water
25H4	Claude Black	440	80	6	54	Fractured Basalt	61	10/05/73	D	10	
25J1	M. Reeves	485	110	6		Vesicular Basalt	33.7	10/07/75	D		Water high in iron at 50'
36E1	McCoy-Holliston Ins.	400	60	6	55	Fractured Basalt	16	10/07/73	D	20	
36E2	Stuart Fraser	400	120	6	96	Fractured Basalt	61	10/04/73	D	12	
36G1	David Gibney	480	120	6	113	Gravel	58	5/28/73	D	15	
36J1	Leo Gauvin	580	140	6	80	Fractured Basalt	60	11/24/73	D	12	Temp 10°C
36N1	Clem Clark	450	75	6	40	Fractured Basalt	35	10/03/73	D	12	
						T. 4 N. R. 11 E.					
5E1	K. W. Riggleman	1400	185	8	180	Sand and Clay	80	8/13/62	D,I	10	
6P1	E. L. Jones	1320	158	8	20	Sediments			I	1	
8J1	3 JB Ranch	2000	280	6	28		260	12/08/73	D	12	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Water Level Below Land Surface Date	Use	Yield (gpm)	Remarks
19J1	J. S. Paradis	840	440	6	119	Fractured Basalt	225	5/26/74	D	17	
23P1	Leland Wiley	2020	83	6	59		40	8/18/74	D	10	
24L1	Kevin Smith	2200	285	6	32						No water
24L2	Pacific Bank Mortgage Company	2200	365	6	18	Vesicular Basalt	135	5/26/75	D	4	
24L3	John Bridges	2200	265	6	18	Vesicular Basalt	155	5/31/75	D	30	
30F1	Anderson	720	314	6			230	1975	D		
31E1	Husum Golf Course	500	162	6	144	Clay and Gravel	73.4	10/08/75	D,I	40	
34K1	F. Dunn	1840	260				14.4	5/26/75			
34K2	F. Dunn	1840	25			Alluvium	15	5/26/75			
					T. 4 N. R. 12 E.						
10G1	Gerald Darby	2400	80	6	18	Fractured Basalt	40	9/13/74	D	50	
10J1	F. B. Augee	2420	300	6	20	Fractured Basalt	20	9/22/74	D	5	
10L1	William Parnett	2420	100	6	100	Sandy Clay	25	9/16/74	D	20	
10P1	Cook	2460	260	6	70	Fractured Basalt	60	9/30/74	D	13	
10P2	Rodney Augee	2480	145	6	76	Fractured Basalt	68	8/01/72	D	8	Temp 12°C
10Q1	W. A. Hartley	2440	250	6	33				U		No water
10R1	Lawrence Milgrove	2420	410	6	18	Fractured Basalt	300	9/11/74	D	1	
10R2	Lawrence Milgrove	2420	100	6	19				D		Temporarily abandoned: no water
11G1	Bill Suckow	2260	100	6	100	Sand	22	9/20/74	D	12	
11N1	United Homes Corp.	2400	265	6	30	Vesicular Basalt	12	6/15/70	D	20	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
15A1	Al Boni	2420	85	6	24	Fractured Basalt	11	6/18/73	D	6	Temp 11°C
15C1	Frank Adams	2520	285	6	19	Vesicular Basalt	74	7/20/73	D	60	Temp 11°C
15D1	Art Morris	2520	175	6	41	Vesicular & Fractured Basalt	40	8/01/73	I	1	Temp 12°C
15E1	Frank Reiber	2540	55	6	23		16	6/11/73	D	12	Temp 11°C
15F1	Dale Van Horn	2530	180	6	46		16	6/18/73	D	1	Temp 12°C
15R1	Delbert Blackburn	2520	85	6	19	Fractured Basalt	40	7/26/72	D	25	Temp 12°C
21Q1	Lolla Loftis	2560	205	6	62	Basalt	132	6/02/75	D	3	
22R1	Willis H. Maxson	2440	80	6	69	Fractured Basalt	20	10/02/74	D	25	
23C1	Appleton Post Office	2335	28	5	28				D	20	
23C2	Appleton Post Office	2335	75	6	50				D		
23P1	Mel Tennison	2330	75	6	29	Vesicular Basalt	54	7/30/71	D	10	
24P1	Edward Fousel	2300	260	6	56				U		No water
26H1	Gail Lane	2300	75			Alluvium	3	7/17/54	D	60	Infiltration trench 6' long
						T. 4 N. R. 13 E.					
12A1	Steven Drew	1800	230	6	40	Sand and Clay	22	8/10/72	D	3	Temp 12°C
12C1	Lyle Long	1800	180	6	18	Fractured Basalt	97	8/09/72	D	20	Temp 11°C
22P1	H. L. Vogt	450	96	6	49	Fractured Basalt & Gravel	12.3	6/13/75	D		
22Q1	Unknown	460	374	6	20	Vesicular Basalt	5	8/23/70	D,I	100	
23E1	St. Regis Paper Co.	475	550				Flow	10/21/64	U	80	
24H1	Wash. Dept. of Natural Res.	520	295	8	55		Flow	3/22/66	U	90	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
28G1	Kenith Vogt	440	133	6	82		60	10/15/64	D,I	50	
28G2	J. McGaughey	440	89	6	70				D		
28J1	R. A. Petre	420	46	6	21		Flow	4/14/66	D,I	60	Flowing at 10 gpm
32C1	L. A. Barrett	380	24				9.60	6/28/75	D		
32C2	L. A. Barrett	380	25				8.75	6/28/75	I		
32F1	D. W. Riggle	380	37	6	20				D		
					T. 4 N. R. 14 E.						
1A1	Unknown	1640	180	4			27.41	10/13/65	U		
1M1	Ken Sipe	1530	565	6	155	Vesicular Basalt	430	6/27/72	D	25	Temp 16.5°C
17F1	W. F. Kirchner	590	60	6	23	Fractured Basalt	Flow	7/12/69	D	5	Flows 1 psi Temp 11°C
21C1	Leroy Van Belle	1360	955	6	74		660	8/18/76	U		Deepened from 372' Geophysical Logs
21D1	Leroy Van Belle	1360	115	6					U		No water
23L1	Wash. Investment	1580	310	6	5				U		
26K1	Raymond Humphrey	1560	195	6	138	Vesicular Basalt	124.5	4/29/74	D	60	
					T. 4 N. R. 15 E.						
1F1	C. E. Mesecher	1815	186	6			120.3	10/28/75	D		
1K1	Guy E. Moore	1790	120						D		Temp 11°C
1Q1	Eugene H. Amidon	1750	130	8	80	Vesicular Basalt	55	6/11/70	I	200	Temp 12°C
2F1	Unknown	1760	43	6			24.25	10/28/75	U		
2J1	C. J. Butts	1790	160	6			111.56	10/28/75	D		
2L1	Al Shupe	1720	6			Alluvium	0.00	10/28/75	D		Sump
2N1	E. E. Clouse	1685	60	8			2.46	10/11/65	D		Temp 11°C
2N2	E. E. Clouse	1680	410	6	66	Fractured Basalt	45.68	10/28/75	D,I	150	Temp 10°C
3H1	A. Winterstein	1725	415	14	133	Vesicular Basalt	71.70	10/28/75	D,I	700	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
4F1	Ed Doubravsky	1760	130	6	19	Vesicular Basalt	65	4/24/73	D	8	Temp 10°C
4N1	Hermon Schultz	1680	115	6	65		26	11/04/71	D	12	Temp 12°C
4P1	Unknown	1670	63	8			41.92	10/13/65	U		
4P2	Phillip M. Riches	1665	307	6	80	Fractured & Vesicular Basalt	45	7/28/67	D,I	60	
4P3	Hermon Schultz	1670	445	6	87	Interbedded Gravel	31	9/03/74	I	100	Temp 12°C
4R1	George Andrews	1680	130	6	19	Vesicular Basalt	39.54	10/28/75	D	17	Temp 12°C
5A1	Dale Thiele	1700	277	8	39	Fractured Basalt	19	3/15/69	D		
5A2	Clifford Collins	1690	280	6	113	Vesicular Basalt	54.06	10/28/75	D,I	20	
5E1	Ed Cuff	1675	220	6	34		2.05	6/16/75	D	4	Temp 12°C
5J1	Dale Thiele	1710	382	8	58	Vesicular Basalt & Interbedded Sediments	47	10/05/67	D,I	30	
5L1	Ronald Alexander	1660	117	6			43.51	10/28/75	D		Temp 13.5°C
6A1	Howard Bratton	1680	595	8		Sandy Silt	31	11/22/74	I	200	Deepened from 209' Temp 12°C
8C1	Earl McClintock	1660	460	6	26		94.83	10/24/75	D	12	
8G1	Earl McClintock	1650	355	6	15		44.00	11/00/69	D		
8R1	Unknown	1590	80	6			5.11	10/28/75	U		
9C1	Ray Hill	1660	115	10	50	Sand & Clay Interbed	11.91	10/27/75	I	100	Temp 12°C
9D1	Ken Hill	1680	115	6	35		14	9/20/74	D	25	Temp 12°C
9F1	Ray Hill	1630	91	8			0.26	4/15/75	D		Temp 13.5°C
9G1	Ray Hill	1620	145	6	27	Vesicular Basalt & Sediments	6	9/19/74	D	45	Temp 12°C
10A1	John Ihrig	1690	160	6	19	Vesicular Basalt & Sand			D	5	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
10F1	George Beebe	1660	450	10	383	Fractured Basalt	27.96	10/28/75	I	450	
10K1	Robert E. Ruff	1650	142	6	72	Interbedded Sediments	15.13	10/28/75	D,I	300	Temp 10°C
10K2	Edward L. Uecker	1650	145	6	42	Interbedded Sediments	23.05	10/28/75	D	20	Temp 12°C
11K1	Wash. Dept. of Game	1640	335	6	184	Vesicular Basalt	Flow	10/28/75	D	30	Flows at 4 gpm Temp 12°C
12B1	E. H. Amidon	1760	105	6			62.07	10/27/75	D		Temp 10°C
12C1	Ray Hill	1750	147	6			68.14	10/27/75	U		
12F1	Ray Hill	1700	78	7			36.24	10/29/75	U		
12R1	Bert Knox	1670	120	6			17.64	10/27/75	D		
13C1	Harold Hill	1685	320	6	20		66.93	10/27/75	D	10	Temp 13.5°C
13K1	Claude Knight	1645	91	6			12.00	10/27/75	D		Temp 11°C
13K2	Claude Knight	1645	520	8			24.64	10/29/75	U		Temp 10°C
14Q1	Ray Hill	1635	128	6	128	Interbedded Sediments	79.75	10/27/75	D	9	Temp 12°C
14R1	Ray Hill	1630	125	6			79.43	10/27/75	U		
15H1	Griselda Hill	1620	65	8			40	00/00/65	D		
15H2	Ross Wilkins	1630	295	6	76	Vesicular Basalt & Sediments	106	11/06/71	P	12	
16F1	Wash. Dept. of Natural Res.	1595	595	12	331	Fractured Basalt & Clay	203.00	10/14/75	T	450	Geophysical Logs Has piezometer tubes -- SWL is for zone D (500 580') Temp 16°C
21F1	Lloyd Hutchins	1600	232	6	27		74.03	10/29/75	D	4	
21K1	R. M. Divers	1525	102	6	35		39.18	10/29/75	D		
22Q1	Tom Esteb	1460	219	8			13.50	4/15/75	U		
23D1	B. F. Dunn	1610	80	6					D		
23D2	Gordon Rose	1620	197	6	190	Sand and Gravel	121	8/18/72	D	50	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
23E1	B. F. Dunn	1620	190	6	10	Fractured Basalt & Sand	103.17	4/15/75	D,I	800	
23E2	B. F. Dunn	1610	190	10	16	Basalt and Sand	173.35	10/29/75	D,I	250	
23P1	J. B. Fletcher	1480	40	6					D		
25A1	Ray Shull	1520	86	6			13.24	10/04/65	U		Temp 11°C
26A1	R. M. Largent	1490		6			Flow	10/29/75	D		Temp 11°C
26B1	Inez Holdridge	1510	295	6	52	Vesicular & Fractured Basalt	62.35	10/29/75	D	2	Temp 12°C
26H1	George Keech	1580	300	6	35	Fractured Basalt	11.49	10/29/75	I	60	
26P1	J. B. Fletcher	1680	85	6	63	Vesicular Basalt & Sediments	42	4/19/73	D	6	Temp 12°C
26R1	S. H. Lester	1650	40				3.28	4/14/75	D		
26R2	George Keech	1660	125	8	117	Sand and Gravel	43.13	10/24/75	I	270	
27F1	Leo Moore	1560	434	6	30		39	8/28/76	U		Geophysical Logs
27J1	Skip Corsey	1620	205	6	57	Fractured Basalt	40	5/28/74	D	10	Temp 11°C
27R1	Blake L. Bishop	1680	205	6	39	Vesicular Basalt	36	6/13/74	T	60	Temp 12°C
27R2	Jack Kent	1680	115	6	34	Fractured Basalt	22	6/11/74	D	15	Temp 11°C
28P1	Al Shupe	1640	158	6			93.79	10/28/75	D		
31D1	Ken Anderson	1760	430	6	81	Vesicular Basalt	130.00	1/24/74	D	50	Temp 12°C
32R1	M. H. Eshleman	1810	256	6					D	5	
32R2	Charles Eshlemen	1800	250	6	52	Fractured Basalt	144.65	10/27/75	D	3	Temp 11°C
34D1	Earl McClintock	1680	100	6	38	Fractured Basalt	23	6/07/74	S	7	Temp 12°C
35E1	Earl McClintock	1740	115	6	73	Fractured Basalt	60	7/23/73	D	10	Temp 12°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
						T. 4 N. R. 16 E.					
1K1	Dale Wirrick	1870	100	6	19	Sand Interbed	27.89	10/28/75	D	30	Temp 11°C
1L1	Dick Atkins	1840	100	6	19	Fractured Basalt	18.83	10/28/75	D	20	
2L1	C. G. McLary	1780	60	6			Flow	10/14/65	D		Temp 12°C
2N1	Lewis Walter	1765	120	6			Flow	10/04/65	D		
3L1	Louise Billy	1940	319	6	293	Interbedded Sediments	181.80	10/12/65	D	70	
3R1	Carol Barker	1740	101	6			0.00	10/14/65	U		
5K1	E. D. Brokaw	1920	220	5			148.05	10/13/65	U		
6A1	Roger Pond	1920	340	6	34	Vesicular Basalt	235	7/02/73	D	12	Temp 12°C
6H1	R. W. Smith	1820	360	6			169.75	10/29/75	U		Temp 11°C
6M1	Harry Mesecher	1820							D		
8G1	Pat McEwen	1800	300	6	28	Vesicular Basalt	117	8/06/69	D	50	Temp 11°C
9D1	E. M. Foster	1820	200	6	19	Vesicular Basalt	53	9/24/74	T	3	Temp 12°C
10A1	Unknown	1750	178	6	42		5.19	8/21/57	U		
10A2	Rick Gables	1740	250	6	40	Vesicular Basalt	Flow	10/28/75	D		Well deepened from 125' Artesian pres. 40 psi. Temp 12°C
10B1	R. H. Sellars	1710	110	8	110		15	8/00/59	D	35	Temp 12°C
10B2	M. Firch	1730	265	6	60	Vesicular Basalt	Flow	10/28/75	D	45	Artesian pres. 35 psi deepened from 115' Temp 13.5° C
10B3	Dick Ladiges	1800	415	6	23	Vesicular Basalt	40	7/13/72	D	12	
10F1	Guy Shrader	1720	275	6	70	Vesicular Basalt	Flow	10/28/75	D,I	45	12 gpm flowing

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
10L1	Charles Koenig	1700	115	6	19	Fractured & Vesicular Basalt	20	5/27/71	D	3	Temp 11°C
10N1	Jack Rose	1670	240	6	40	Fractured Basalt	15.19	10/28/75	D	40	Temp 11°C
11D1	C. M. Barrett	1800	15	30	15	Sand and Gravel	4	10/28/75	D		
11D2	C. M. Barrett	1880	420	6	26	Vesicular Basalt & Interbedded Sediments	Flow	4/07/70	I	65	Artesian pres. 2 psi Temp 11°C
11D3	C. M. Barrett	1900	625	10	57	Fractured Basalt	Flow	12/06/75	I	1400	Artesian pres. 45 psi Temp 19°C Geophysical Logs
11J1	Dale Reimer	2140	370	6	29				U		No water Geophysical Logs
11M1	C. M. Barrett	1940	245	6			180.31	10/23/65	D		
14G1	M. H. Norris	1790	142	8	20		43.35	10/28/75	I	50	
14L1	M. H. Norris	1760	85	6	41	Vesicular Basalt	18.40	10/28/75	I	60	
14N1	H. L. Norris	1840	500	8			375	10/05/65	D		
14P1	H. L. Norris	1810	120	6			110	10/05/65	U		Temp 13.5°C
15E1	Wash. State Patrol	1680	100	6	34	Vesicular Basalt	5.39	10/28/75	D	6	Temp 11°C
15L1	Maxine Knosher	1680	120	10	15	Vesicular Basalt	Flow	11/14/69	I	60	Artesian pres. 2 psi. Temp 11°C
15N1	Maxine Knosher	1680	105	6	18	Vesicular Basalt	1.96	10/28/75	T	75	Flowed at 30 gpm when drilled-now flows intermittently Temp 10° C
15N2	Seventh Day Adventist Church	1680	115	6	20	Vesicular Basalt & Clay	41.00	9/23/74	D	45	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
16J1	R. L. Hall	1640	78	6			15.24	10/14/65	U		
16K1	Ed Doubravsky	1580	205	10	18	Gravel Interbed	7	6/05/69	T	100	Temp 12°C
16L1	Ort Olson	1680	337	6	34	Interbedded Sediments	134	9/27/76	U		Geophysical Logs
16L2	Don Williams	1580	115	6	25	Fractured Basalt & Clay	38	4/28/72	D	60	
16Q1	Fred Stone	1640	40	8	29		12	5/06/69	T	60	Temp 12°C
16Q2	City of Goldendale	1640	880	16	100	Vesicular Basalt	0.00	9/29/76	U		Geophysical Logs Temp 16-26°C
16R1	D. B. Ledbetter	1660	130	6	24	Vesicular Basalt	20	8/06/71	T	30	Temp 12°C
17A1	W. C. Dashiell	1700	115	6	91		59	6/07/73	D	60	Temp 12°C
17C1	Jim Lefever	1650	127	8	115	Interbedded Sediments			I	400	
17G1	Neil Thompson	1620	175	6	120	Interbedded Sediments	45.73	10/29/75	D,I	40	
17H1	Dennis Templer	1680	305	6	18		110	8/29/76	U		Geophysical Logs
17R1	G. J. Timmer	1620	155	5	60	Interbedded Sediments	Flow	00/00/65	D	50	
17R2	H. W. Freer	1620	180	6	25	Interbedded Sediments	4	8/22/70	D	60	
18A1	Amos Bonjour	1660	140	6			21.24	10/07/65	D		Temp 12°C
18P1	O'Leary Well Drilling, Inc.	1620	320	6	35	Vesicular Basalt & Clay	58	11/10/71	C	60	Temp 12°C
19R1	J. H. Willis	1600	50	10			2.05	10/29/75	D		Flows intermittently Temp 12°C
19R2	Holy Trinity Church	1600	90	6	18	Vesicular Basalt	Flow	4/15/75	I		Flows intermittently Temp 12°C
20A1	Klickitat County	1620	200	8	43		6	3/10/46	I		Temp 12°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
20D1	Ed Layman, Inc.	1620	235	6	77	Vesicular Basalt	48	7/24/74	C	60	Temp 12°C
20F1	Bert Wilkins	1560	52	6	20	Gravel Interbed			I	90	
20F2	J. P. Stockhouse	1590	145	8	20	Vesicular Basalt & Clay	25.27	10/25/75	I	60	Deepened from 104' Temp 12°C
20G1	Boise Cascade	1610	115	6			8.50	9/13/76	U		
20G2	Bert Wilkins	1610	400	6	25		2	4/29/69	T	50	
20G3	Harry Moore	1610	190	6	20		25	8/23/70	D	5	Temp 11°C
20H1	Eldon Kerns	1620	84	6	18		1	6/01/74	D	10	Temp 12°C
20K1	Boise Cascade	1610	337	6	26	Interbedded Sediments	23	8/18/66	I	75	
20K2	Buel Bane	1620	120	6	31	Interbedded Sediments	30	7/06/68	D	15	
20M1	C. L. Storkel	1560	88	8	13	Vesicular Basalt	Flow	10/30/75	D,I	90	Flows intermittently Temp 12°C
21A1	Unknown	1690	97	6			27.82	10/06/65	U		
21B1	Johnny Foster	1660	115	8	80		29.45	11/18/75	U	300	
21B2	D. Wedgewood	1650	490	6	19		25	8/30/76	T	400	Geophysical Logs
21B3	George Shockley	1650	115	6	19		39	5/31/74	D	60	Temp 12°C
21F1	Goldendale School System	1660	102	8	26	Vesicular Basalt	18	11/15/69	I	150	Deepened from 90'
21K1	C. L. Mesecher	1690	311	8	63	Fractured Basalt			I		Deepened from 205' Original SWL 40'
21Q1	John Hoctor	1690	105	8	25	Vesicular & Fractured Basalt	30	3/31/70	D	75	
22G1	Al Bauer	1720	444	6	35		34	8/27/76	U		Geophysical Logs
22J1	Gorge Contractors, Inc.	1760	397	6	18		390	8/09/68	I		
22L1	Bert Wilkins	1750	170	8	45	Vesicular Basalt	76.41	10/29/75	I	300	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
22L2	Bert Wilkins	1760	70	10	20		Flow	10/29/75	I	600	Flows intermittently Temp 11°C
22N1	Dwight Dingmon	1740	675	6	40		105	8/19/76	U		Geophysical Logs
22P1	Al Bauer	1820	424	8	37	Vesicular Basalt	170	8/27/76	I	100	Temp 11°C
22Q1	Bert Wilkins	1760	300	8	50		61.42	10/29/75	I	350	Temp 11°C
23A1	H. L. Norris	1855	220	8			21.60	10/28/75	S		
26C1	G. W. Willis	1830	247	6	12	Vesicular Basalt	63.03	10/28/75	D,I		Deepened from 47'
26C2	G. W. Willis	1830	85	6			36.26	10/28/75	U		
26C3	G. W. Willis	1830	179	6			40.61	10/28/75	U		
26K1	Eleanor Dooley	1840	142	6		Fractured Basalt	5	4/15/68		12	
26Q1	Eleanor Dooley	1840	202	6		Basalt	20		S	2	
27A1	W. P. Cunningham	1790	46	6		Sand Interbedded	29		D	60	Temp 14.5°C
27E1	Rex Maurer	1760	217	6	20		80	10/10/68	D	4	Temp 11°C
27E2	Rex Maurer	1760	112	6			40	11/11/68	D	8	Temp 11°C
28A1	Dwight Dingmon	1715	130	6	5.5	Fractured Basalt	10	4/25/68	D	18	
28A2	Dwight Dingmon	1720	300	6	12	Vesicular Basalt			I	100	
28A3	Dwight Dingmon	1720	531	10	32		102	10/24/68	D,I	600	Deepened from 307' Geophysical Logs
28D1	Rex Maurer	1700	87	6	30	Vesicular Basalt	21.68	10/29/75	D	60	Well deepened from 65'
28E1	John Benson	1700	88	6	88		67.56	10/29/75	D		
28G1	Grant Gibbs	1720	115	6	38	Vesicular Basalt	30	5/30/74	D	60	Temp 12°C
28H1	Rex Maurer	1740	580	6	177		203.52	10/30/75	D	17	
28K1	Luke Enyeart	1760	105	6	52	Clay	30	9/23/68	D,I	80	
28M1	C. E. Herin	1760	460	6	19	Vesicular Basalt	75	5/27/70	D,I	50	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
29B1	R. E. Hornibrook	1640	85	6	9	Vesicular Basalt	46.33	8/30/65	U	25	
29B2	R. E. Hornibrook	1640	100	6	13	Vesicular Basalt	28.00	10/29/75	D	50	Temp 10°C
29G1	R. E. Hornibrook	1660	85	6	12		41.40	10/28/75	I	55	
29G2	R. E. Hornibrook	1660	86	6	10	Fractured Basalt	36.63	10/28/75	I	52	
29G3	R. E. Hornibrook	1660	382	8	13		120	4/11/68	D,I	5	Well deepened from 100' -- cascading water Temp 10°C
29H1	R. E. Hornibrook	1700	112	6	12	Fractured Basalt & Sand	77.35	10/24/75	D,I		
29H2	R. E. Hornibrook	1700	130	8	20	Fractured Basalt	77.12	10/28/75	D,I	75	Temp 11°C
29J1	R. E. Hornibrook	1720	118	6			56.45	10/28/75	U	20	Temp 12°C
30A1	Holy Trinity Church	1600	267	6	40	Fractured Basalt	91.78	4/30/74	I	10	Deepened from 167' Temp 12°C
30F1	Ross Crafton	1560	49	6			Flow	10/29/75	D		Flowing at 5 gpm Temp 11°C
31G1	Norman Dingmon	1650	115	6	43	Vesicular Basalt & Inter-bedded Sediments	60	5/04/72	D	45	
31Q1	Ray Shull	1650		6			117.67	10/29/75	D		Deepened from 75' to unknown depth
32A1	C. R. Blanchard	1715	102	6	20	Vesicular Basalt	33.55	10/28/75	D,I	60	Temp 11°C
32N1	Glen Seward	1680	130	6	19	Interbedded Sediments	30	1/28/75	D	20	Temp 11°C
33D1	W. F. Hornibrook	1730	57	6			42.63	4/16/75	D	70	
33E1	Howard Smith	1720	115	6	23	Vesicular Basalt			D	10	Deepened from 55'
33G1	W. F. Hornibrook	1790	240	8			83.21	10/21/65	U		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
33G2	W. F. Hornibrook	1790	130	6			104.59	10/21/65	D		
34H1	Marvin H. Norris	1840	500	6	102	Vesicular Basalt	53.99	10/29/75	I	450	Geophysical Logs Deepened from 112' Temp 18°C
34H2	Marvin H. Norris	1800	247	8	18	Basalt & Interbedded Sediments			I	300	
35K1	Tom Ested	1840	142	6	18		5	4/15/68	D	12	Temp 11°C
35L1	Tom Ested	1880	202	6	26	Fractured Basalt	20	4/20/68	D	2	Temp 11°C
35R1	Unknown	1870		5			58.42	6/25/64	U		
36R1	Don Mains	1870	210	6	20	Vesicular Basalt	40	6/01/73	D		
36R2	Don Mains	1870	145	6	40	Fractured Basalt	36.80	8/13/75	D		
					T. 4 N. R. 17E.						
2P1	Eleanor Dooley	2180	308	6	5	Basalt	57	9/29/69	S	1	
4E1	Trans West Company	2220	55	6	18	Interbedded Sand	0.04	10/27/75	D	5	Temp 12°C
7D1	L. E. Schroder	2260	385	6	20	Interbedded Gravel	380	8/24/76	D	25	Geophysical Logs
9F1	O'Leary Well Drilling	2410	355	6	131	Fractured Basalt	215	11/15/74	U	25	
9H1	L. Osbornson	2240	21	6			13.70	8/13/75	D		
9L1	O'Leary Well Drilling	2260	554	6			234.00	5/09/75		85	
9P1	O'Leary Well Drilling	2220	550	6			16.70	5/29/76	U		Hole plugged, SWL probably not indicative of true head
10N1	J. Schuster	2160	230	8			158.60	10/05/65			No water
12L1	Boehler	1965	176	6			29.20	8/12/75	D		
12M1	Art Schuster	1900	220	6			44.20	8/12/75	U	2	
12M2	Art Schuster	1980	445	8			188.10	10/06/65	D	35	Temp 14.5°C
15D1	J. Schuster	2150	69	6			55.88	10/05/65	U		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
15D2	J. Schuster	2150	103	8			75	10/05/65	D		Temp 13.5°C
16G1	G. Trumbo	2155	118				59	1948	D,S		
16G2	G. Trumbo	2145	203	6			53.35	8/12/75	D		
16H1	G. Trumbo	2140	50	6			9.00	8/12/75	U		Well reported to be 270' deep. May have caved.
18G1	Ronald Roe	2120	125	6	30		99.17	10/27/75	D	3	Temp 11°C
18R1	C. Fridley	2080	305	6	20	Gravel			S	3	SWL reported to be 150'
19F1	C. Fridley	2040	150	4	25				D	3	SWL reported to be 100'
19G1	C. Fridley	2020	115	6	20				S	6	SWL reported to be 75'
19G2	C. Fridley	2050	251	6	47	Fractured Basalt	116.50	8/13/75	I,D	200	Water level obtained while well was being pumped. SWL was reported to be 49'
21J1	Cecil Schuster	2000	250	6			35	8/29/76	U		Geophysical logs
22N1	Fenton Brothers	2000	41	6	41	Vesicular Basalt	25	10/00/65		30	
22N2	D. Myra	1995	150	6			37.10	8/13/75	D		
22N3	J. Schuster	1990		6			22.60	10/14/75	D		
22Q1	D. Myra	1910	6				0.50	10/14/75	U		
28H1	J. Schuster	1935	500	8			65.90	10/14/75	U		
28R1	Unknown	1960	53	6			9.61	10/23/65	U		
29P1	Sheryl Willis	1960	538	10	78	Vesicular Basalt & Clay	91.85	10/28/75	I	700	
30A1	Wayne Hoctor	2010	430	6	100	Vesicular Basalt	95.00	8/13/75	D	20	Temp 11°C
30H1	R. Willis	1960	60	6			34.70	8/13/75	D	6	Pump on during water level measurement.

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
30J1	Sheryl Willis	1960	62	6	20	Vesicular Basalt	24.85	10/28/75	D	10	Temp 12°C
30R1	Sheryl Willis	1930	700	12	55	Fractured Basalt	280	8/07/72	I	700	
31L1	T. V. Wilkins	1880	139	16			4.62	9/18/75	U		
31M1	T. V. Wilkins	1865	177	6	18	Fractured Basalt & Clay	40	8/26/69	S	100	Temp 11°C
31N1	T. V. Wilkins	1870	20	48	20		9.40	8/12/75	U		
31N2	T. V. Wilkins	1870	100	6			52.10	8/12/75	D		
32D1	S. Willis	1933	550				34.37	4/16/75	I	300	
32J1	Cecil McDowell	1960	78	6			29.43	10/06/65	S		Temp 11°C
32P1	Emmett Hoctor	1920	228	8	40	Vesicular Basalt	36.37	4/16/75	I	300	Temp 11°C
					T. 4 N. R. 18 E.						
7R1	Cecil Schuster	1870	400	8			197.0	10/14/75	D		
8R1	J. Johnson	1839	120	6		Vesicular Basalt	94.0	9/08/75	D		Well originally drilled to 200'
17G1	Cecil Schuster	1640	150	10	116		126.9	10/14/75	I		
17K1	Cecil Schuster	1720	780	10	183		100.3	10/14/75	I	600	Deepened from 455' Temp 16.5°C
18R1	Wm. Anderson	1713	10				9.0	10/14/75	U		
18R2	Wm. Anderson	1713	70	8					D	4	
28M1	W. Jones	1690	45	6			40	10/14/75	D	40	SWL approximate
29G1	Raymond R. Brack	1680	277	10	138		98	9/22/68	I	500	
					T. 4 N. R. 20 E.						
3E1	Berk Bros. Inc.	2100	35	48	35	Alluvium	14.75	6/27/75	U		
3L1	Harland Berk	2205	274	12	182	Sand & Clay Interbed	205.25	6/27/75	I	1037	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
4D1	Sam Berk	2274	335	6	35	Fractured Basalt	85.75	6/27/75	D	15	
6A1	Bob Powers	2270	200	6		Clay Inter-bedded	18.25	6/27/75	D	12	
6C1	Bob Powers	2250	130	6			25	3/13/71	D	5	
18Q1	Bert Wilkins	2440	253	6	19	Sand & Clay Interbed	130	10/03/69	T	10	
20Q1	Bob Powers	2180	175	6	119	Fractured Basalt	80.99	6/27/75	D	15	Temp 12°C
					T. 4 N. R. 21 E.						
9K1	Del Whitmore	1620	302	6		Clay Inter-bed			S		
					T. 4 N. R. 22 E.						
3N	Unknown	942	45	48		Alluvium	21.00	4/05/75	S		
7J1	Goodnight	1118	38	6			26.70	8/05/75	S		
12F1	C. E. McBride	1020	547	10	135				U		No water
					T. 5 N. R. 10 E.						
1Q1	Newhouse	1560	107	6	60		40	9/00/75	D	25	
6H1	Wash. Dept. of Natural Res. Well #1	2560	58	2	10	Interbedded Sediments	21.00	9/10/75	T		Geothermal Exploration Hole
12Q1	J. Anrig	1430	80	6		Vesicular Basalt			U	4	
35F1	Orlis Hale	960	155	6	150	Sand	104	3/22/73	D	20	
35K1	J. Wood	1240	200	6					D		
					T. 5 N. R. 11 E.						
1P1	Phillip Ohnemu	1865	51	6	51	Alluvium	18.27	4/01/74	D		
6F1	D. Duke	1605	115	8	10	Vesicular Basalt	90	9/04/74	D	20	
12E1	Conboy Refuge	1845	66	10			1.39	4/01/74	U		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
12E2	Conboy Refuge	1845	17	36	17	Alluvium	1.40	4/01/74	U		
12Q1	Conboy Refuge	1850	59			Alluvium	5	10/00/73	T		
31R1	Mt. Adams Orchard Company	1360	600	16	333		31	6/11/65	D,I	23	Unusable water from 11' to 39'
32N1	Hopp-DeWilde Mill Company	1360	75	8	23	Vesicular Basalt	25	9/10/47	C	36	
					T. 5 N. R. 12 E.						
3C1	Conboy Refuge	1860	57	36	7		11.18	7/19/74	U		
3C2	Conboy Refuge	1860	51	6			14.08	7/19/74	U		
4H1	Agnes Miller	1830	225	6	100	Basalt	215.00	1972	S	6	Temp 12°C
4H2	Agnes Miller	1830	19	72	19	Alluvium	10.16	7/17/74	D		
5Q1	Conboy Refuge	1830	118	6			22.79	4/30/74	U		
5Q2	Conboy Refuge	1830	8	36	8	Alluvium	3.15	4/30/74	U		
6Q1	Chip Kreps	1825	84	6			7.20	10/10/74	S		
14H1	Miller	1830	16	72	16	Alluvium	13.10	9/09/75	D		
18E1	Darrell Lee	1860	160	8	160	Alluvium	3.42	5/01/74	U	500	
18E2	Darrell Lee	1855	7	36	7	Alluvium	1.81	5/02/74	D		
					T. 5 N. R. 13 E.						
26D1	Don Roane	2330	130	6	49	Fractured Basalt	55	7/12/73	D	3	Temp 12°C
36L1	Donna Walters	2200	205	6	22		40	11/04/72	D	0.5	Deepened from 85' Temp 11°C
					T. 5 N. R. 14 E.						
6E1	St. Regis Paper Co.	1180	326	8	297	Fractured Basalt	256.0	6/30/75	N	50	
16L1	L. Boardman	1920	56	8			Flow	8/18/75	D		
21A1	Wash. Dept. of Game	1870	385	6	21	Fractured Basalt	228.4	10/29/75	D	156	Temp 12°C
22K1	Ralph McKinney	1830	190	6	90	Vesicular Basalt	105	12/05/70	D	10	Temp 11°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
24J1	Floyd Thompson	1980	182	6			137.70	10/30/75	D		Temp 12°C
26D1	Calvin Beeks	1760	125	6	36	Vesicular Basalt	80	7/12/74	D	5	Temp 12°C
26K1	George Williams	1700	160	6	29		26.50	11/19/74	D	5	
26L1	Victor Bryant	1720	250	6	19	Fractured Basalt	53.25	4/15/75	U		Temporarily abandoned
26L2	Victor Bryant	1720	182	6	132		40	10/09/73	D	7	Temp 11°C
36B1	Duane Van Patter	1720	400	6	55	Fractured Basalt	173	4/04/74	D,I	30	Temp 12°C
36B2	Duane Van Patter	1720	325	6	72	Fractured Basalt & Clay	115	5/07/75	D,I	60	Temp 12°C
36D1	Duane Van Patter	1720	250	6	20		188.29	5/06/75	D	35	Temp 12°C
36R1	Ted Richardson	1600	340	8	4	Interbedded Sediments	113.30	10/28/75	D	60	
					T. 5 N. R. 15 E.						
10K1	Fred Linton	2410	340	6	86	Vesicular Basalt	255	8/08/74	D	2	Temp 12°C
15P1	J. W. Popenoe	2340	4	48			1.50	9/21/53	D,I	50	Dug Well
19P1	Otis M. Prescott	2000	187	8	28	Vesicular Basalt	127.40	10/30/75	D		
19Q1	Otis M. Prescott	2030	185	10			127.55	10/29/75	I		
20N1	Otis Prescott	2040	427		22	Interbedded Sediments	173.00		I	200	
22H1	Larry Boardman	2080	535	6	25	Vesicular Basalt & Interbedded Sediments	250	3/08/73	D	8	Temp 12°C
22J1	John Bronkhorst	2250	180	6	50		144.65	11/18/74	D	25	
24L1	Ray Gosney	2340	470	6			150	1960	D		Temp 12°C
25L1	L. Case	2160	465	6							
25L2	L. Case	2160	990	8		Fractured Basalt & Interbedded Sediments	435.45	11/18/74	D,I		Geophysical Logs

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
26L1	Unknown	2050	500	5			295	10/09/65	U		
27D1	L. L. Fife	2050	120	6	19				U		No water
27G1	L. L. Lightfoot	2050	114	6			92.00	4/16/75	D		
27N1	K. Henshaw	1920	235	6	204	Vesicular Basalt	140	8/24/73	D	15	Temp 12°C
28B1	Unknown	1880	87						U		No water
30J1	A. L. King	1880	47	6			38.85	10/29/75	D		
31J1	Paul Schilling	1720	645	6	53	Vesicular Basalt	80	1/13/75	I	60	Temp 12°C
32P1	Mike Counts	1700	415	6	24		56.74	10/30/75	D,I	30	
32Q1	Mike Counts	1720	265	8	61		70.72	10/29/75	D,I	60	
33J1	R. E. Hunter	1880	148	8	120				D	5	Temp 12°C
34D1	H. W. Freer	1920	162	6			110.52	10/29/75	D		Temp 11°C
					T. 5 N. R. 16 E.						
6D1	George Wright	3400	310	6	37	Interbedded Sediments	78	1/22/71	D	45	Temp 15°C
22R1	Glenn H. Tyler	2360	731	6	625				D,I		
25K1	K. Zielinski	2180	70	6					D		Flows intermittently
25Q1	Dept. of Health, Education & Welfare	2120	248	5	221		141.84	4/16/75	D	30	Temp 11°C
27M1	Paul Middleton	2200	381	6	87	Vesicular Basalt & Gravel	295	9/09/74	D	5	Temp 12°C
28R1	Mike Austin	2160	310	6	32		231	6/16/72	D	12	Temp 15°C
30E1	R. Hackett	2170	225	10	10	Vesicular Basalt & Gravel	151.60	4/30/74	D	3	
31E1	L. Case	2060	387	6			226.70	5/01/74	D		Temp 12°C
31K1	R. Scheradella	1940	250	6	72	Vesicular Basalt	108.15	4/30/74	D	60	
31R1	Pete Heming	1920	250	6	75	Vesicular Basalt	182	4/18/74	D	20	Temp 12°C

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
33D1	United Homes Corp.	2160	490	6	54	Interbedded Sediments	238	12/02/70	D	60	
34D1	Norm Evans	2120	385	6	75	Vesicular Basalt & Interbedded Sediments	193	4/22/72	D	60	Temp 13.5°C
35J1	Russell Schroder	2000	130	6	81	Interbedded Sediments	87	4/23/74	D	25	Temp 12°C
36N1	Bill Young	1860	100	6	36	Fractured Basalt	40	6/21/73	D	25	Temp 12°C
					T. 5 N. R. 17 E.						
3L1	Brooks State Park	2600	115	6	91	Clay and Sand	43.60	10/01/75	P	50	Temp 11°C
3N1	G. J. Timmer	2500	160	6	143	Sand and Gravel	35.87	10/29/75	D	45	
14E1	Ed Mantes	2480	33	6			9.20	10/01/75	D		
20N1	Addison Lane	2440	280						D		SWL reported to be 141'
20N2	Addison Lane	2440	700	8	19		561.20	9/14/76	U		
23G1	Trans West Co.	2560	370	6	54	Fractured Basalt	47	10/06/70	T	20-40	Temp 11°C
24M1	Trans West Co.	2520	372	6	104	Vesicular Basalt	289	11/02/70	D	20	Temp 11°C
30M1	Jim Stultz	2180	295	6	62	Vesicular Basalt	210	5/15/73	D	5	Temp 12°C
30N1	Yakima Indian Res.	2180	550	6			258.80	9/15/76	U		
31K1	Darryl Sines	1920	115	6	99	Fractured Basalt	66	5/03/72	D	50	
32D1	Trans West Co.	2000	205	6	19	Vesicular Basalt	45.96	10/27/75	D	17	Temp 12°C
					T. 5. N. R. 18 E.						
29N1	Unknown	2255	300	6					D	5	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
					T. 5 N. R. 19 E.						
25K1	Rathspeth	2415	20	72			2.30	8/08/75	U		
					T. 5 N. R. 20 E.						
1G1	K. Clark	2710	104.5	6			0.20	8/08/75	S		
4P1	H. Hooker	2835	180	6	10		86.30	5/24/75	D		
8R1	F. Naught	2752		6			20.92	5/24/75	D		
9A1	H. Hooker	2780	145	6	19	Basalt and Interbedded Sediments	0.40	5/24/75	S	60	Temp 13.5°C
10A1	R. Ferguson	2750		6					S		
18L1	Max Slater	2665	110	6	20	Clay and Sand	14.69	6/00/75	D		
19A1	Arlo L. Powers	2600	93	6			12	3/15/71	D,S	5	
22Q1	Sam Berk	2495	275	6					U		SWL reported to be 200'
25K1	Max Slater	2357	40	6		Alluvium	12.75	6/27/75	U		
27C1	Sam Berk	2490	900	12	140		745.00	4/17/72	U		Geophysical Logs
28B1	Berk Brothers, Inc.	2490	330	8	146	Vesicular Basalt	22	3/01/69	I	550	
28Q1	Sam Berk	2395	311	12		Vesicular Basalt & Clay	65.30	5/24/75	I	500	Geophysical Logs
28R1	Berk Brothers, Inc.	2400	410	10	110		83	10/23/69	I		
30N1	Rathspeth	2410	150	6	4	Sand			D		Pump set at 28'
					T. 5 N. R. 21 E.						
3J1	Tom Gray	2378	207	6		Vesicular Basalt	100	7/05/68	D,I	30	
4A1	Tom Gray	2482	84	6			24	8/04/75	S		
6F1	M. Larson	2620	230	6					S		SWL reported to be 160'

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
18B1	H. Busch	2545	160	6					S		
18B2	H. Busch	2535	121	6			116	8/04/75	D	5	
24J1	R. Ferguson	1665	300	6					D		
28E1	K. Clark	2150	300						U		No water
28N1	L. Whitmore	2020	238	6		Vesicular Basalt & Clay	53.20	8/04/75	D		
29H1	K. Clark	2120	116	6			36	11/24/75	D		
					T. 5 N. R. 22 E.						
13Q1	C. McBride	700	80	6		Basalt	Flow	9/15/76	D,S		
20N1	R. Ferguson	1435	16	72		Alluvium	5.90	8/06/75	S		
27A1	A. M. Matson	1105	150	6			51.50	8/06/75	S		
27A2	A. M. Matson	1100	1061	10	144	Basalt	22	2/12/72	I	750	Geophysical Logs
28C1	R. Ferguson	1280	29	72		Alluvium			U		No water
35D1	Unknown	1018	22	72		Alluvium	18.50	8/06/75	S		
					T. 5 N. R. 23 E.						
3A1	Robert J. Petersen	716	87	6			29.3	8/15/75	U		
3A2	Robert J. Petersen	720	250	10	64	Fractured Basalt	30.40	2/13/76	I	403	May have caved in to 102'
3A3	Robert J. Petersen	720	575	12	79	Vesicular Basalt	123.70	9/13/76	U		May have caved in 300' Geophysical Logs
3L1	Robert J. Petersen	820	150	8	132		125	11/00/56	U	95	Hole now dry Temp 16°C
3L2	Robert J. Petersen	820	313				190	1/20/76	I	400	
7A1	M. Mercer	1024							U		
7N1	M. Mercer	824		6					S		
11N1	M. Mercer	719	250	4			165.90	8/09/75	S		
29D1	C. McBride	865	871	16		Basalt	Flow	8/07/77	I	5000	Geophysical logs
35C1	M. Mercer	635	266	8	166	Vesicular Basalt	186.30	8/09/75	D,S	30	

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Water Level Below Land Surface Date	Use	Yield (gpm)	Remarks
					T. 6 N. R. 10 E.						
8B1	Highland	2000	125	6		Gravel	80.5	9/12/75	D		
11F1	Klickitat County PUD #6	2060	173						T		No water
15A2	Klickitat County PUD #13	1943	143				1.0	9/10/75	T		
25M1	Walt Armstrong	1730	224	6	224	Vesicular Basalt	205	11/09/74	D	15	
					T. 6 N. R. 11 E.						
31F1	D. Rummel	1710	211	6			163.9	9/10/75	D		
					T. 6 N. R. 12 E.						
2D1	Francis Bean	1970	131	6			108.8	9/05/75	U		
2E1	D. Lloyd	1950	22	6	22	Vesicular Basalt	7	7/26/74	D	30	Temp 11°C
2M1	H. Kuhnhausen	1948	12	48		Alluvium	3.9	9/05/75	D		
3M1	L. C. Rolph	1980	53	6	34	Sand	6.1	9/05/75	D	9	Backfilled to 50'
3M2	L. C. Rolph	1980	100	6	60		94.5	9/05/75	U		
3M3	Frank Ward	1981	96	6	54	Fractured Basalt	80	10/09/73	U		
10A1	John Finn	1919	38	6			4.01	6/14/74	I	15	
10K1	Glenwood School	1900	255	6			197.40	6/15/76	U		
10M1	U.S. Bureau of Indian Affairs Ranger Station	1935	300	6			227.96	4/05/74	U	67	Temp 6°C
10P1	Ada Conboy	1895	14	36	13	Alluvium	6.90	6/15/76	U		
10P2	Audrey Eaton	1895	265	10			187.34	4/02/74	U		
11E1	L. D. Lloyd	1905	13	36	13	Alluvium	6.60	7/16/74	D		
11E2	L. D. Lloyd	1905	13	36	13	Alluvium	7	7/16/74	D		Temp 10°C
11F1	Flying L Guest Ranch	1905	13.5	48		Alluvium	6.80	9/09/75	D		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
12R1	Ken Allbritton	1830	30	60	30	Alluvium	1.29	4/02/74	S		
13D1	T. B. Burns	1850	200	6	40		155.26	4/02/74	U		
13M1	B. Valdez	1830	10	48			3.80	9/09/75	S		
14G1	G. Ladiges	1847	16	48			2.30	9/06/75	U		
15Q1	Roy Feller	1852	11	24	6	Alluvium	1.85	2/12/74	U		
16B1	George Hathaway	1875	46	6			15.10	7/19/74	S	7	Temp 10°C
21F1	O. Kuhnhausen	1830	10	36	10	Alluvium	2.41	7/17/74	U		
21F2	O. Kuhnhausen	1830	150	5	50				U		No water
22L1	Paul Ladiges	1833	260	8	84		112.25	9/07/75	D	14	Temp 11°C
23B1	G. Ladiges	1830	195	6			137.20	9/06/75	D,S		
23B2	Ken Sheridan	1830	210	6	82				D		
27D1	E. W. Ziegler	1828	247	8	47		90.20	5/08/74	U	180	
27D2	E. W. Ziegler	1828	10	24	10	Alluvium	2.68	2/13/74	U		
34D1	Conboy Refuge	1822	8	8		Alluvium	1.20	4/05/74	U		
34K1	Conboy Refuge	1830	116	6	20		7.19	5/01/74	U		
34L1	Conboy Refuge	1820	55	8	40	Alluvium	9.00	7/12/74	U		
35H1	Paul Ladiges	1875	104	6			29.60	9/09/75	D		Temp 9°C
					T. 6 N. R. 20 E.						
1P1	Steve Naught	2980	20	72	20	Alluvium	4.50	6/22/75	D		
1P2	Steve Naught	2983							D		
2A1	Dale Johnson	3062	40	72	40	Alluvium	7.08	6/22/75	U		
2A2	Dale Johnson	3061	200	6		Vesicular Basalt			D		
4M1	J. C. Ingram	3260	130	6	35	Vesicular Basalt	22.00	9/18/71	D	45	Temp 11°C
9K1	H. Wilson	3155	167	6	20	Alluvium	0.50	6/24/75	D	22	
9L1	C. Walling	3155	10	72	10	Alluvium	0.42	6/24/75	D	6	
12L1	R. Ferguson	2935	20	72	20	Alluvium	3.33	6/24/75	D	6	
13H1	F. Naught	2862	306	6	33	Fractured Basalt	30.80	6/24/75	U	12	Geophysical Logs

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
13H2	F. Naught	2860	375	6	25	Fractured Basalt	40	8/22/69	D	60	Temp 11°C
15N1	R. J. Rupp	3020	205	6	221	Fractured Basalt	17	2/27/74	D	12	Temp 12°C
16A1	Sheppard	3037		6					U		No water
16A2	Mary Shotwell	3035	100	6					D		
16R1	V. Looney	2040	25	72	25				U		
16R2	H. Wilson	3037	275	6			77.9	6/24/75	D	60	
20R1	Unknown	3030	10		10	Alluvium	8.5	6/25/75	U		
21A1	Batze	3030	225	6			41.0	6/24/75	D		
21A2	L. Whitmore	3030	235	6	19	Vesicular Basalt	64.9	8/05/75	D	60	Temp 12°C
22C1	R. Van Nostern	2990	147	6			6.24	9/13/76	U		
22D1	Whitmore	3002					27.67	6/22/75	U		
22D2	Whitmore #1	3002	175	8	22	Vesicular Basalt	97.30	6/24/75	D	13	Temp 12°C
22D3	L. Goodnight	3007	200	6			30.50	6/22/75	D		
22D4	Keith Jensen	3025	220	4					D		
22D5	G. Crider	3004	236	6			33	8/04/75	D		
22D6	L. Whitmore	3005		36		Alluvium	28.93	9/26/75	U		
22D7	Rupp & Clark	3010									No water
22D8	Rupp & Clark	3010	200	8					D,S		
22D9	G. Larsen	3010	230	6		Interbedded Clay	58.40	6/22/75	D		
22D10	D. Miller	3010							D		
22D11	B. Meyer	3025					30.10	8/22/75	D		
24R1	R. Brown	2792	30	72	30	Alluvium	3.00	8/24/75	U		
24R2	R. Brown	2793	178	6	20		75.75	6/24/75	U		
26D1	Keith Jensen	2918	180	6	21		15.58	6/22/75	D		
27N1	Gordon	2938	100	6			13.70	6/24/75	S		
28R1	J. Gotfertson	2975	213	6					D		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type or Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
29G1	E. Lasly	3067	200	6					D		
30K1	W. Savage	3038	20	72	20	Alluvium	4.75	6/23/75	D		
30K2	W. Savage	3042	18	72	18	Alluvium	8.42	6/23/75	D		
30K3	Cleveland Park Well	3057	12	48	12	Alluvium	3.50	6/23/75	D		
30M1	Matson Land & Livestock	3120	190	6	19	Vesicular Basalt	120	5/27/73	D	2	Temp 12°C
30Q1	R. Van Nostern	3040		36		Alluvium	7.54	9/13/76	S		
30Q2	Chet Shannon	3040	85	6	63	Vesicular Basalt	1.50	4/25/74	D	25	Temp 11°C
32B1	E. Lasly #2	3022	62	72			48.30	6/23/75	S		
35B1	J. Jensen	2850	227	8	20		23.40	6/24/75	D	15	
36B1	Howard Coleman	2780	408	6	7	Vesicular Basalt	12	10/30/69	S	5	Temp 11°C
36P1	M. Larson	2757	160	6	20		32.80	5/23/75	D	15	
					T. 6 N. R. 21 E.						
4A1	C. McBride	2705	200	6					D		
6L1	A. M. Matsen	2845	12	72	12	Alluvium	4.08	6/24/75	U		
6L2	A. M. Matsen	2880		6			62.50	6/26/75	D	12	
7L1	S. Jensen	2820	200	6			29.50	8/05/75	D	5	
14M1	C. Bromley	2500	25	6					D		
14M2	Roberts	2492		6					D		Buried 6' underground
15L1	L. Giles	2875	12	72	12		6	8/06/75	U		
15L2	L. Giles	2580	220	19		Vesicular Basalt	149	10/30/73	D	30	Temp 11°C
17R1	C. Everett	2710	300						U		
18E1	Francis Naught	2842	82	6	20		7.75	8/06/75	S	6	
18R1	C. Everett	2787	165	6			21.40	8/06/75	D,S		
19Q1	Bud Matsen	2787	865	6	53		700	8/15/74	D,S		
20Q1	T. Juris	2800	270	9		Interbedded Clay			D		

Well Number	Owner or Tenant	Altitude (ft)	Depth (ft)	Diameter (in)	Depth of Casing (ft)	Type of Water-producing Materials	Water Level Below Land Surface Feet	Date	Use	Yield (gpm)	Remarks
24A1	Van Horn	2220	103	6		Interbedded Clay			D		SWL reported to be 40'
28D1	Elwood Brown	2670	310	6	19		276	8/31/76	D		Geophysical Logs
31F1	Howard Coleman	2744	600						U		
31F2	Howard Coleman	2740	300	6		Blue Clay	270.25	9/13/76	U		Geophysical Logs
31F3	Howard Coleman	2741	415	6	5				U		
31F4	Howard Coleman	2738	278	8			196.60	9/13/76	U		Geophysical Logs
34N1	Tom Gray	2477	104	6			51.85	8/04/75	U		
35P1	Tom Gray	2360	300	6	78		75	9/01/76	D		
					T. 6 N. R. 22 E.						
25J1	M. Mercer	1325	112	6			2.90	9/09/75	S		
					T. 6 N. R. 23 E.						
10N1	Robert Andrews	1142	45	6					U		No water
11Q1	Robert Andrews	1020	208	8	150						
11Q2	Robert Andrews	1020	892	12	155		Flow	2/10/71	I	2500	Flowing at 35 psi Temp 23.5°C
15H1	Robert Andrews	1050	950	12	128	Interbedded Gravel	Flow	8/15/75	I	2200	Geophysical Logs Flowing at 35 psi
16P1	Dept. of Natural Res. (Feezell)	1096	950	16	80	Vesicular Basalt	40.8	7/22/76	I	2850	Temp 22°C Geophysical Logs
22J1	Robert Andrews	960	1070	12	370		380	7/22/76	I	1700	
28R1	M. Mercer	863	16	48	16	Alluvium	8.9	8/11/75	S		
34H1	Don Mercer	868	107	6			96.4	8/09/75	U		
34H2	Don Mercer	865	425	6		Fractured Basalt	231.4	8/09/75	D	200	
34H3	Don Mercer	806	550	8			287.7	8/09/75	D,S		

APPENDIX C

Driller's Logs from Selected Wells, Klickitat County, Washington

Appendix C

2/13-16L1. Cecil L. Odom. Altitude about 300 ft.
Drilled by Gorge Contractors, Inc., 1970. Cased to 53 ft.

Material	Thickness (ft)	Depth (ft)
Sand	12	12
Gravel; sand	33	45
Sand, fine	6	51
Wood, hard	1	52
Basalt, vesicular, hard	10	62
Basalt, fractured, brown	55	117
Basalt, vesicular, brown	3	120
Basalt, vesicular, gray	28	148
Basalt, hard, black, water-bearing	18	166
Basalt, vesicular, gray	13	179
Basalt, hard, black	5	184
Basalt, hard, gray	7	191

2/13-16P3. Frank Healey. Altitude about 280 ft.
Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 19 ft.

Material	Thickness (ft)	Depth (ft)
Clay; sand, black	13	13
Sand; gravel; boulders	7	20
Basalt, vesicular, gray	20	40
Basalt, fractured, gray	22	62
Basalt, gray	6	68
Sandstone, brown	10	78
Basalt	34	112
Basalt, vesicular, brown and gray	18	130

2/13-22P1. W. H. Gregory. Altitude about 280 ft.
Drilled by Project Corporation, 1973. Cased to 20 ft.

Material	Thickness (ft)	Depth (ft)
Basalt, hard, gray	132	152
Basalt, fractured	41	193
Basalt, hard, red and black	59	252
Basalt, broken	33	285

2/13-27B1. Lawrence Tidyman. Altitude about 235 ft.
Drilled by Harold Leonard, 1953. Cased to 20 ft.

Material	Thickness (ft)	Depth (ft)
Sand; gravel	7	7
Basalt, medium hard, gray	58	65
Clay; rock [basalt]	45	110
Basalt, soft, black, show of water	36	146
Clay, green	19	165
Clay, green	7	172
Basalt, black	8	180
Basalt, medium hard, gray-blue	50	230
Basalt, black, water-bearing	24	254
Basalt, soft, black	26	280

2/13-28F1. Harry Toda. Altitude about 180 ft.
Drilled by Murray Well Drilling Co., 1972. Cased to 170 ft.

Material	Thickness (ft)	Depth (ft)
Soil	6	6
Basalt, weathered	7	13
Basalt, blue	9	22
Basalt, weathered	5	27
Basalt, fractured, SWL 5'	3	30
Basalt, black	36	66
Claystone, blue	2	68
Basalt, black, SWL 18'	9	77
Clay, gray	18	95
Clay, light blue	20	115
Clay, yellow	10	125
Clay, blue-gray and brown	3	128
Basalt, gray, SWL 79'	42	170

2/13-28R2. Cecil L. Odom. Altitude about 190 ft.
Drilled by Cecil C. Nickols, 1963. Cased to 40 ft.

Material	Thickness (ft)	Depth (ft)
Sand	3	3
Basalt	29	32
Clay; gravel	3	35
Basalt, hard, black	20	55
Clay; gravel	20	75
Basalt, black	3	78

(continued)

Material	Thickness (ft)	Depth (ft)
2/13-28R2. Continued.		
Clay; gravel	8	86
Basalt	4	90
2/13-34L1. Dalles City. Altitude about 235 ft. Drilled by D. William, 1932. Cased to 42 ft.		
Basalt, black	49	49
Basalt, black	45	94
Basalt, blue	14	108
Basalt, gray	48	156
Faulted formation (basalt, broken)	80	236
Basalt, gray	94	330
Basalt, blue	11	341
Basalt, soft, black, some water	21	362
Basalt, gray	151	513
Basalt, soft, black, water-bearing	28	541
2/14-19F1. U.S. Corps of Engineers. Altitude about 180 ft. Drilled by Haakon I. Bottner Drilling Co., 1961. Cased to 105 ft.		
Topsoil, sandy	5	5
Sand; silt	50	55
Sand, heavy, black	5	60
Sand; gravel, some water	18	78
Clay, brown; sand	3	81
Rock [boulders]; clay	4	85
Gravel, water-bearing	15	100
Sand, heavy, black	5	105
2/16-3D3. Lee Ritter. Altitude about 180 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 19 ft.		
Sand, brown	8	8
Basalt, gray	80	88
Basalt, vesicular and fractured, gray; clay	5	93

(continued)

Material	Thickness (ft)	Depth (ft)
2/16-3D3. Continued.		
Basalt, vesicular, gray	9	102
Basalt, black	17	119
Basalt, gray	82	201
Basalt, vesicular, black	3	204
Shale [clay], brown; sand	11	215
Clay, black	1	216
Clay; sand	9	225
Sandstone, gray	5	230
Clay, white	2	232
Basalt, vesicular, black; sand; clay	3	235
Rock [basalt], vesicular, gray-brown	15	250
3/10-2B1. Pacific Power and Light Co. Altitude about 380 ft. Drilled by Richard J. Murray, 1973. Cased to 27 ft.		
Soil; rock, broken	4	4
Boulders	3	7
Rock [basalt], broken, SWL 8'	2	9
Sand, fine, brown	3	12
Rock [basalt], gray	19	31
Conglomerate [gravel], medium, water-bearing, SWL 5'	5	36
Rock [basalt], hard, gray	4	40
3/10-13R1. Arthur F. Moore. Altitude about 800 ft. Drilled by Hansen Drilling Company, Inc., 1968. Cased to 538 ft.		
Topsoil	1	1
Clay, red	2	3
Clay, brown	4	7
Boulders	11	18
Rock [basalt?], hard, black	56	74
Clay	16	90
Clay; gravel	13	103
Gravel; clay, brown	27	130
Layer of rock [basalt], trace of water	30	160

(continued)

Material	Thickness (ft)	Depth (ft)
3/10-13R1. Continued.		
Rock [basalt], hard, black and brown	6	166
Rock [basalt], broken	182	348
Rock [basalt], broken	30	378
Rock [basalt]	15	393
Rock [basalt]	24	417
Rock [basalt]	60	477
Broken [basalt, fractured]	8	485
Rock [basalt], hard, gray and black	7	492
Rock [basalt], very hard	36	528
Rock [basalt], broken, water-bearing	9	537
Rock [basalt], hard, gray	6	543
3/11-7B1. Merlin Yarnell. Altitude about 1330 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 116 ft.		
Clay, brown	33	33
Basalt, gray	49	82
Basalt, fractured; clay	34	116
Basalt, fractured; clay	18	134
Basalt, gray	4	138
Gravel, cemented; clay	37	175
3/11-8D2. Robert Allen. Altitude about 1640 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 60 ft.		
Topsoil	2	2
Clay, brown	4	6
Clay, light brown	6	12
Clay; boulders	8	20
Basalt, hard	3	23
Basalt, fractured	5	28
Basalt, decomposed	30	58
Basalt, hard	7	65
Sandstone, blue	5	70
Clay, blue	10	80

Material	Thickness (ft)	Depth (ft)
3/11-9A1. Lynn Comer. Altitude about 1910 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 41 ft.		
Topsoil	2	2
Clay, brown	16	18
Sand; gravel, cemented	22	40
Basalt, decomposed	10	50
Basalt, fractured	18	68
Basalt, hard, black	20	88
Basalt, fractured	42	130
Sandstone, blue	15	145
Sandstone, brown	10	155
Basalt, brown	25	180
3/11-10C1. Charles A. Saylor. Altitude about 1860 ft. Drilled by Project Corporation, 1973. Cased to 52 ft.		
Soil; clay	20	20
Clay, brown	12	32
Basalt, hard, gray	6	38
Clay, brown; basalt, fractured, weathered	52	90
Basalt, hard, gray	46	136
Basalt, red; clay	38	174
Basalt, hard, gray	36	210
Basalt, fractured, yellow and red	15	225
3/11-11N1. Bruce Amoss. Altitude about 1996 ft. Drilled by Norris Drilling and Pump Co., Inc., 1974. Cased to 148 ft.		
Topsoil	1	1
Clay, brown	17	18
Clay, brown	37	55
Rock [basalt], broken, gray	6	61
Rock [basalt], soft, multi-colored	9	70
Ash [clay?]	38	108
Rock [basalt]; clay, water-bearing	22	130
Rock [basalt], medium hard, gray, water-bearing	18	148

Material	Thickness (ft)	Depth (ft)
3/11-17J1. Glen C. Wildebour. Altitude about 2190 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 64 ft.		
Clay, fine, dark brown	6	6
Clay, sandy, medium brown	4	10
Clay, light brown; gravel, small; sand, wet	34	44
Sand, fine; clay; cinders [basalt], red	14	58
Basalt, soft, gray	4	62
Basalt, hard, gray-black	54	116
Basalt, hard, fractured, weathered, water-bearing	24	140
3/11-18C1. H. B. Larsen. Altitude about 1000 ft. Drilled by Charles Henderson and H. B. Larsen, 1970. Cased to 300 ft.		
Clay	2	2
Andesite [basalt]	102	104
Cinders [basalt]	6	110
Cinders [basalt]; clay	12	122
Basalt	9	131
Clay, green	5	136
Basalt, fractured	49	185
Chlorite [clay]	12	197
Basalt, fractured	13	210
Sand; obsidian [basalt]	15	225
Basalt, fractured	33	258
Clay, green; basalt, decomposed	22	280
Soapstone; shale [clay]	9	289
Shale [clay]; basalt, decomposed	6	295
Basalt	5	300
3/11-18F3. Merlin Yarnell. Altitude about 920 ft. Drilled by Ralph Turner Drilling Company, 1968. Cased to 35 ft.		
Topsoil	2	2
Clay, yellow	8	10

(continued)

Material	Thickness (ft)	Depth (ft)
3/11-18F3. Continued.		
Rock [basalt], decomposed	8	18
Sandstone, hard, brown	62	80
Basalt, gray	20	100
Rock [basalt], brown	40	140
Rock [basalt], brown	8	148
Basalt, gray	62	210
Lava [basalt], red	6	216
Rock [basalt], brown	54	270
Lava rock [basalt], broken, brown	20	290
Basalt, gray	20	310
Rock [basalt], brown	25	335
3/11-18P1. Charles L. Jeter. Altitude about 890 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 39 ft.		
Unknown	40	40
Basalt, gray	2	42
Basalt, fractured	6	48
Basalt, gray	103	151
Basalt, fractured	7	158
Basalt, gray	2	160
Basalt, fractured, vesicular; clay	13	173
Basalt, fractured	2	175
Gravel; sand; clay	7	182
Basalt, vesicular; clay	8	190
3/11-20D1. Don Ramsay. Altitude about 2000 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 126 ft.		
Clay, fine, light brown	9	9
Sand; gravel; clay	14	23
Basalt, cinders [vesicular], weathered	15	38
Basalt, fractured, black	12	50
Basalt, weathered, black	8	58
Basalt, decomposed	14	72

(continued)

Material	Thickness (ft)	Depth (ft)
3/11-20D1. Continued.		
Basalt, fractured, black	5	77
Basalt, decomposed	3	80
Clay	2	82
Clay, coarse, yellow	7	89
Clay, fine, gray	21	110
Basalt, hard, fractured, weathered, black	8	118
Basalt, hard, black	12	130
Basalt, hard, weathered, fractured, black, water-bearing	30	160
3/11-28D1. Don Ramsey. Altitude about 2250 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 63 ft.		
Clay, medium brown	23	23
Clay, dark brown	17	40
Gravel; sand; clay	20	60
Basalt, fractured, decomposed	50	110
Cinders [basalt]; cobbles	30	140
Basalt, soft, porous, black	22	162
Basalt, hard, fractured, black	4	166
Basalt, hard, black	14	180
Cinders [basalt]; cobbles	6	186
Basalt, hard, black	216	402
Basalt, fractured, weathered, black	58	460
Basalt, fractured, weathered, black	70	530
Basalt, medium hard, black	30	560
Basalt, fractured, black	2	562
Basalt, hard, black	38	600
3/11-30F2. Underwood Fruit Co. Altitude about 120 ft. Drilled by Project Corporation, 1972. Cased to 185 ft.		
Soil, sandy; cobbles	7	7
Basalt, perforated [vesicular], fractured, brown and gray	18	25
Basalt, hard, fractured, gray	32	57

(continued)

Material	Thickness (ft)	Depth (ft)
3/11-30F2. Continued.		
Basalt, hard, fractured, gray	61	118
Basalt, fractured, brown and gray	4	122
Basalt, fractured, gray	23	145
Basalt, brown and red, 1 to 2 gpm	5	150
Basalt, hard, dark gray, water-bearing	45	195
Basalt, fractured, 300-500 gpm	27	222
Basalt, fractured, hard, gray	35	257
3/12-1E1. Robert Schwagerl. Altitude about 2020 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 65 ft.		
Clay, brown	32	32
Clay, brown	28	60
Sandstone, gray	40	100
Basalt, fractured, vesicular, gray, water-bearing	20	120
Basalt, gray	10	130
3/12-3R1. Cascade Pacific Properties. Altitude about 1950 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 24 ft.		
Clay, brown	4	4
Clay, brown	20	24
Basalt, gray	19	43
Conglomerate [gravel]; shale [clay]; basalt, 1 1/2 gpm	46	89
Basalt, gray and brown	54	143
Basalt, vesicular, black, 1 1/2 gpm	20	163
Basalt, fractured, gray	117	280

Material	Thickness (ft)	Depth (ft)
3/12-6K1. H. Robert Cole. Altitude about 2330 ft. Drilled by Murray Well Drilling, 1974. Cased to 83 ft.		
Soil	1	1
Clay, light brown	50	51
Conglomerate [gravel], medium, SWL 55'	27	78
Basalt, hard, gray	32	110
3/12-13G1. James Block. Altitude about 1500 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 19 ft.		
Clay, brown	6	6
Shale [clay]; boulders	6	12
Basalt, gray	119	131
Basalt, fractured, black; clay	31	162
Basalt, gray	26	188
Basalt, gray	12	200
3/12-15G1. Francis H. Keyes. Altitude about 1440 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 25 ft.		
Basalt; boulders; clay	4	4
Clay	18	22
Conglomerate [gravel]	63	85
3/12-21H1. Ed Wegner. Altitude about 1000 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 50 ft.		
Clay, brown	14	14
Basalt, gray	8	22
Clay, sandy, brown	23	45
Basalt, fractured, gray	107	152
Basalt, vesicular, fractured; clay	15	167
Basalt, gray	8	175

Material	Thickness (ft)	Depth (ft)
3/12-27N1. Boolin. Altitude about 570 ft. Drilled by Hansen Drilling Co., Inc., 1968. Cased to 110 ft.		
Basalt, broken, gray	2	2
Basalt, gray	68	70
Basalt, blue	5	75
Basalt, gray	20	95
Basalt, broken, gray, water-bearing	16	111
3/12-32H1. Washington Dept. of Highways. Altitude about 300 ft. Drilled by Hansen Drilling Co., Inc., 1968. Cased to 250 ft.		
Topsoil, sandy	5	5
Sand, fine, brown	6	11
Sand, fine, light brown	1	12
Basalt, broken, blue	2	14
Basalt, blue	10	24
Rock [basalt?], hard	29	53
Basalt, hard, blue	12	65
Basalt, medium, blue, 1 1/2 gpm	3	68
Basalt, medium, black	13	81
Basalt, hard, black	24	105
Basalt, broken, medium, gray	9	114
Basalt, hard, gray	42	156
Basalt, hard, gray	10	166
Basalt, medium, gray	11	177
Basalt, hard, gray	10	187
Basalt, medium, gray	40	227
Basalt, hard, black	6	233
Basalt, broken, hard, black	1	234
Basalt, hard, black	11	245
Basalt, broken, hard, black	2	247
Basalt, hard, black	3	250

Material	Thickness (ft)	Depth (ft)
3/13-5B1. Harry Miller. Altitude about 400 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 38 ft.		
Basalt, fractured, gray	12	12
Basalt, gray	8	20
Boulders; gravel; sand	18	38
Basalt, fractured, gray, water-bearing	15	53
Basalt, fractured, black	2	55
3/13-15C1. Beattie Ranch. Altitude about 2000 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 37 ft.		
Clay, brown	32	32
Basalt, vesicular, gray	163	195
Basalt, vesicular, gray, black and brown; clay, water-bearing	5	200
Basalt, gray	50	250
3/13-23L1. Doug Taylor. Altitude about 1800 ft. Drilled by Murray Well Drilling, 1973. Cased to 29 ft.		
Soil, brown	3	3
Rock [basalt], broken	2	5
Clay, brown	3	8
Basalt, vesicular	28	36
Basalt, hard, gray	6	42
Rock [basalt], black and red, SWL 35'	18	60
Basalt, hard, gray	47	107
Claystone, black	6	113
Basalt, black	31	144
Basalt, hard, gray	18	162
Basalt; clay	3	165
Basalt, gray	17	182
Basalt, blue	13	195
Basalt, gray	9	204

Material	Thickness (ft)	Depth (ft)
3/13-28L1. E. H. Struck. Altitude about 1550 ft. Drilled by Richard J. Murray, 1972. Cased to 43 ft.		
Soil; gravel	4	4
Clay, brown	7	11
Conglomerate [gravel]	3	14
Clay, brown	3	17
Conglomerate [gravel]	2	19
Clay, brown, SWL 8'	18	37
Rock [basalt], brown	5	42
Rock [basalt], hard, gray	4	46
Basalt, vesicular	21	67
Basalt, hard, blue	11	78
Basalt, vesicular	12	90
3/13-31L1. Wallace Regets. Altitude about 1250 ft. Drilled by Richard J. Murray, 1974. Cased to 220 ft.		
Soil	4	4
Clay, light brown	16	20
Conglomerate [gravel], medium	15	35
Rock [basalt?], hard, gray	6	41
Clay, light brown	19	60
Clay, white	18	78
Clay, light brown	27	105
Sandstone, light brown	20	125
Clay, brown	8	133
Sandstone, gray	7	140
Clay, soft, gray	3	143
Sandstone, gray	11	154
Clay, gray	20	174
Sandstone, gray	16	190
Sand, fine, light brown, water-bearing	20	210
Clay, brown	15	225
Clay, white	12	237
Sandstone, gray, SWL 177'	8	245

Material	Thickness (ft)	Depth (ft)
3/14-3P1. Hartford Land Corp. Altitude about 1860 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 24 ft.		
Clay; boulders	3	3
Shale [clay], brown	17	20
Basalt, gray	175	195
Basalt, fractured, gray	5	200
Basalt, gray	20	220
3/14-9Q1. Alvin Randall. Altitude about 1980 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Deepened by O'Leary Well Drilling, Inc., 1974. Cased to 19 ft.		
Clay, brown	2	2
Boulders	6	8
Basalt, gray	23	31
Basalt, fractured, gray	2	33
Basalt, gray	31	64
Basalt, fractured, gray	13	77
Basalt, vesicular, black	11	88
Basalt, gray	162	250
Basalt, fractured, gray	62	312
Basalt, fractured, water-bearing	15	327
Basalt, fractured, gray	88	415
3/14-12J1. Virginia Fahlenkamp. Altitude about 1840 ft. Drilled by Riebe Well Drilling, 1967. Cased to 22 ft.		
Clay	1	1
Rock [basalt], broken; clay	20	21
Basalt, creviced [fractured], trace of water	99	120
Basalt, broken, black	6	126
Basalt, gray	24	150
Basalt, broken, black	12	162
Basalt, gray	55	217
Clay, brown, water-bearing	15	232

Material	Thickness (ft)	Depth (ft)
3/14-19L2. Carl Parrish. Altitude about 1870 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 19 ft.		
Clay; boulders	15	15
Basalt	68	83
Basalt, vesicular	24	107
Basalt, fractured	79	186
Basalt	106	292
Basalt, fractured	15	307
Basalt, vesicular	3	310
3/14-29B1. Jim Heglin. Altitude about 1650 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 87 ft.		
Clay, brown	82	82
Basalt, fractured, gray, water-bearing	36	118
Basalt, gray	80	198
Basalt, vesicular, black	14	212
Basalt, gray	120	332
3/15-2J1. Randy Enyeart. Altitude about 1570 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 19 ft.		
Clay, brown	9	9
Shale [clay], brown	3	12
Clay, brown	3	15
Basalt, gray	32	47
Shale [clay], hard, brown	5	52
Clay, soft, yellow	10	62
Claystone, yellow-green	5	67
Basalt, vesicular, brown; clay	3	70
Basalt, vesicular, brown	6	76
Basalt, vesicular, gray	2	78
Basalt, fractured, gray	5	83
Basalt, gray	152	235
Basalt, fractured, black	2	237
Basalt, vesicular, black	17	254
Basalt, fractured, gray	8	262
Basalt, gray	138	400

Material	Thickness (ft)	Depth (ft)
3/15-3J1. Calvin Linden. Altitude about 1680 ft. Drilled by Riebe Well Drilling, 1966.		
Topsoil	1	1
Clay	25	26
Gravel, cemented; boulders	6	32
Gravel, cemented; boulders; basalt, weathered	32	64
Basalt, black	28	92
Clay, red	13	105
Clay, brown; rock [basalt]	3	108
Clay, sandy	2	110
Basalt	14	124
Conglomerate [gravel]	15	139
Basalt, crevice [fractured]	149	288
Basalt, gray	16	304
Basalt, broken and porous, water-bearing	6	310
Basalt, gray	152	462
Fault [basalt, fractured], water-bearing	1	463
Basalt, crevice [fractured]	22	485
Basalt, broken, water-bearing	13	498
Basalt, broken and porous	34	532
Basalt, gray	53	585
Lava [basalt], crevice [fractured]	7	592
Basalt, weathered and crevice [fractured]	12	604
Basalt, broken, black; silt, water-bearing	3	607
Basalt, crevice [fractured], black	15	622
3/15-7D1. Virginia Nygaard. Altitude about 1950 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Deepened by Murray Well Drilling Co., 1972. Cased to 20 ft.		
Clay, brown	6	6
Clay, brown	8	14
Basalt, gray	25	39
Sandstone, brown	5	44

(continued)

Material	Thickness (ft)	Depth (ft)
3/15-7D1. Continued.		
Claystone, brown	10	54
Basalt, gray	6	60
Sandstone, gray	3	63
Basalt, gray	32	95
Basalt, vesicular, black	18	113
Basalt, fractured, gray	4	117
Basalt, gray	23	140
Basalt, vesicular, gray; clay	8	148
Basalt, fractured, brown	6	154
Basalt, fractured, gray	6	160
Basalt, gray	15	175
Basalt, fractured, vesicular, gray; clay	4	179
Basalt, vesicular, gray; clay	3	182
Basalt, fractured, gray	5	187
Basalt, gray	48	235
Basalt, gray	61	296
Basalt, vesicular	2	298
Basalt, gray	12	310
3/15-8R2. Harold Isaacson. Altitude about 1630 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 50 ft.		
Clay, brown	5	5
Clay; basalt, broken	40	45
Basalt, fractured, gray	10	55
Basalt, vesicular, fractured, brown and gray; clay, water-bearing	13	68
Clay, green	2	70
3/15-10R1. Ed Bean. Altitude about 1605 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 26 ft.		
Clay, brown	22	22
Clay, brown	3	25
Boulder, hard, gray	2	27

(continued)

Material	Thickness (ft)	Depth (ft)
3/15-10R1. Continued.		
Clay, brown	3	30
Basalt, gray	4	34
Shale [clay], brown	6	40
Basalt, gray	22	62
Shale [clay], brown	8	70
Shale [clay], brown; basalt, fractured, gray	12	82
Basalt, vesicular, gray; shale [clay]	3	85
Basalt, fractured and vesicular, brown and gray	15	100
3/15-11N1. Harry Emerson. Altitude about 1600 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 47 ft.		
Clay, brown	5	5
Clay, sandy, brown	29	34
Sandstone; clay, brown	3	37
Basalt, vesicular, gray	1	38
Sandstone, brown; clay	8	46
Conglomerate [gravel]; basalt; clay, water-bearing	54	100
3/15-12R1. Stewart Basse. Altitude about 1600 ft. Drilled by Riebe Well Drilling, 1966. Cased to 57 ft.		
Loam, black; clay	2	2
Clay, white	21	23
Clay, sandy, water-bearing, 10 gpm	17	40
Clay, white	15	55
Sand, fine to coarse, water-bearing, 30 gpm	13	68
Clay; boulders	4	72
Sand, coarse; boulders, water-bearing, 10 gpm	8	80
Gravel, cemented; boulders	5	85
Gravel, water-bearing, 20 gpm	1	86

(continued)

Material	Thickness (ft)	Depth (ft)
3/15-12R1. Continued.		
Clay, sandy	11	97
Clay, blue	8	105
Sandstone, water-bearing	18	123
Gravel, cemented	9	132
Basalt, weathered and creviced [fractured], black	36	168
Boulders, porous; gravel, cemented; clay, white, water-bearing	39	207
Basalt, creviced [fractured], black	30	237
Basalt, gray; conglomerate [gravel]	18	255
Basalt, porous, blue-black, small amount of water	12	267
Basalt, brown, water-bearing	3	270
Basalt, weathered, black, small amount of water	15	285
Basalt, creviced [fractured], black, water-bearing	20	305
Basalt, creviced [fractured], gray, small amount of water	32	337
NOTE: bulk of water coming between 200' and 325' level		
3/15-13C1. Stewart Basse. Altitude about 1595 ft. Drilled by Riebe Well Drilling, 1967. Cased to 42 ft.		
Topsoil	3	3
Sandstone; clay	87	90
Conglomerate [gravel], water-bearing	40	130
Basalt; clay	23	153
Scoria, water-bearing	2	155
Basalt, water-bearing	77	232
3/15-19J1. Glen F. Smith, et al. Altitude about 1565 ft. Drilled by Riebe Well Drilling, 1966. Cased to 52 ft.		
Soil, hard, sandy, water-bearing	8	8
Clay, sandy, gravelly	39	47
Sandstone; pumice; clay	3	50
Gravel, cemented; boulders	7	57

(continued)

Material	Thickness (ft)	Depth (ft)
3/15-19J1. Continued.		
Clay, white; sand; gravel	24	81
Sand, coarse; gravel, 40 gpm	4	85
Clay, burned, red	9	94
Rock [basalt], heavy, 90 gpm	3	97
Basalt, broken, >100 gpm	5	102
3/15-20L1. Quentin Jaekel. Altitude about 1560 ft. Drilled by Riebe Well Drilling, 1968. Cased to 73 ft.		
Clay, sandy, black	15	15
Clay, sandy, caving, water-bearing	40	55
Gravel, cemented; boulders	27	82
Clay; boulders; sand; gravel	41	123
Clay; rock [basalt]	4	127
Basalt, broken; clay	33	160
Basalt, gray; clay, very hard (from 232-245 ft.)	87	247
Soil [clay], decomposed, black, water-bearing	5	252
Clay, bright yellow; gravel, water-bearing	4	256
Clay, hard; gravel, water-bearing	3	259
Basalt, creviced [fractured], gray	3	262
3/15-22H2. Washington Dept. of Natural Res. Altitude about 1590 ft. Drilled by L & L Drilling, Inc., 1971. Cased to 286 ft.		
Soil	25	25
Soil; clay	73	98
Clay	9	107
Clay, very soft	95	202
Clay; soil	15	217
Basalt, soft, broken	43	260
Basalt, medium	26	286
Basalt, hard	34	320
Gravel	5	325
Basalt, medium	16	341
Basalt, hard, gray	49	390

(continued)

Material	Thickness (ft)	Depth (ft)
3/15-22H2. Continued.		
Clay, black	11	401
Basalt, hard	43	444
Basalt, hard, gray	131	575
Basalt, broken, water-bearing	41	616
Basalt, firm		
3/15-28P1. William Garner. Altitude about 1640 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 208 ft.		
Clay, brown	10	10
Clay, brown	2	12
Clay, sandy, light brown	18	30
Clay, light brown	84	114
Claystone, gray	24	138
Claystone, blue	4	142
Clay, greenish-blue	3	145
Clay, gray	5	150
Claystone, gray	18	168
Claystone, gray; gravel	8	176
Shale [clay], brown	4	180
Basalt, fractured, black	6	186
Basalt, gray	3	189
Shale [clay], brown	5	194
Clay, red	6	200
Basalt, vesicular, brown	8	208
Basalt, fractured, gray	12	220
Basalt, gray	40	260
Basalt, vesicular, gray	7	267
Basalt, vesicular, brown	43	310
Basalt, brown	1	311
3/16-2D1. Chuck Young. Altitude about 1780 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 27 ft.		
Clay; boulders	21	21
Basalt, fractured	153	174

(continued)

Material	Thickness (ft)	Depth (ft)
3/16-2D1. Continued.		
Basalt, vesicular, fractured, gray, water-bearing	17	191
Basalt, gray	4	195
3/16-3B1. Clyde M. Story. Altitude about 1750 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 71 ft.		
Unknown	42	42
Basalt, fractured, gray	21	63
Clay, white and brown	4	67
Basalt, vesicular; clay, red, water-bearing	16	83
Basalt, gray	2	85
3/16-7Q1. Stewart Basse. Altitude about 1590 ft. Drilled by Riebe Well Drilling, 1969. Cased to 120 ft.		
Clay; gravel, brown	4	4
Sand; gravel; clay, cemented	8	12
Clay; gravel; boulders	18	30
Gravel, loosely cemented	10	40
Clay; sand; gravel; boulders	17	57
Basalt; boulders; clay	7	64
Conglomerate [gravel]; boulders	33	97
Basalt, broken; clay	33	130
Conglomerate [gravel]; clay; boulders; water-bearing	65	195
Basalt; clay, water-bearing	29	224
Basalt, fractured, gray	8	232
Basalt, fractured, gray, water-bearing	18	250
Basalt, brecciated, black	5	255
Basalt, fractured, gray	7	262
Lava [basalt], black; clay; gravel	18	280
Basalt, fractured, black	8	288
Basalt, fractured, gray	14	302

Material	Thickness (ft)	Depth (ft)
3/16-8J1. Frank Linden. Altitude about 1660 ft. Drilled by Riebe Well Drilling, 1969. Cased to 120 ft.		
Soil; clay, black	5	5
Clay, hard, white; gravel, SWL 39'	34	39
Clay; gravel; rock [basalt], decomposed, hard, broken, water-bearing	21	60
Sand; gravel; clay, water-bearing	20	80
Basalt, broken, weathered	15	95
Clay; boulders	15	110
Basalt, broken	9	119
Basalt, gray	6	125
Basalt, broken, weathered	5	130
Basalt, very hard, gray	43	173
Basalt, black	9	182
Basalt, weathered; clay	24	206
Basalt, badly creviced [fractured], black	34	240
Clay, blue; lava [basalt], broken, yellow, water-bearing	26	266
Basalt, broken, black	6	272
Basalt, very hard, badly creviced [fractured], gray	80	352
3/16-12D1. Gale Hiler. Altitude about 2,000 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 19 ft.		
Clay, brown	5	5
Shale [clay], brown	8	13
Basalt, gray	115	128
Basalt, vesicular, brown	5	133
Basalt, fractured, gray	116	249
Basalt, fractured, gray, water-bearing	1	250
Basalt, fractured, gray	45	295

Material	Thickness (ft)	Depth (ft)
3/16-18D3. Calvin Linden. Altitude about 1600 ft. Drilled by L & L Drilling Inc., 1972. Cased to 339 ft.		
Clay; sand	135	135
Basalt, hard, gray	15	150
Basalt, hard, gray	24	174
Basalt, medium, gray	12	186
Basalt, hard, gray	37	223
Basalt, medium, gray	14	237
Basalt, hard, gray	14	251
Clay, yellow	3	254
Basalt, hard, gray	57	311
Clay, black	7	318
Clay, blue; gravel	6	324
Basalt, hard, gray	8	332
Basalt, broken, black	239	571
Basalt, hard, gray	99	670
Clay, black	3	673
Clay; sand, black	27	700
Basalt, hard, gray	210	910
Basalt, broken, black	8	918
Clay, black	2	920
Clay, blue	14	934
Clay, brown	9	943
Sand; basalt, broken, black	11	954
Clay, black	2	956
Clay, brown	7	963
Basalt, medium, brown	20	983
3/16-30F1. Clinton Cosner. Altitude about 1800 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 56 ft.		
Clay, brown	15	15
Shale [clay], brown	3	18
Basalt, fractured, gray; clay	8	26
Basalt, gray	6	32
Basalt, fractured; shale [clay]	11	43
Shale, vesicular, brown [basalt, weathered]; clay	8	51
Basalt, fractured, gray	5	56

(continued)

Material	Thickness (ft)	Depth (ft)
3/16-30F1. Continued.		
Basalt, gray	46	102
Shale [clay], brown, water-bearing	10	112
Basalt, fractured, gray	21	133
Shale [clay], brown	3	136
Basalt, vesicular, black	5	141
Basalt, vesicular, gray	19	160
3/17-5B1. Emmett Hoctor. Altitude about 1925 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 80 ft.		
Topsoil; clay	6	6
Shale [clay]; basalt, broken	19	25
Basalt	42	67
Basalt, fractured	4	71
Clay, white	4	75
Clay; cinder [basalt]	3	78
Conglomerate [gravel], water-bearing	48	126
Basalt, fractured	4	130
3/17-5P1. Emmett Hoctor. Altitude about 1960 ft. Drilled by Marion Duft, 1962. Cased to 52 ft.		
Gumbo [overburden]	5	5
Clay, yellow	9	14
Rock [basalt], broken	20	34
Clay	16	50
Rock [basalt]	44	94
Basalt, gray	14	108
Rock [basalt], soft, red	10	118
Basalt, gray	62	180
3/17-12P1. Spokane, Portland & Seattle RR. Altitude about 400 ft. Drilled by R. J. Strasser Drilling Company, 1966. Cased to 145 ft.		
Fill	2	2
Sand; gravel	10	12

(continued)

Material	Thickness (ft)	Depth (ft)
3/17-12P1. Continued.		
Basalt, gray	47	59
Lava [basalt], brown	11	70
Basalt, hard, gray	47	117
Lava [basalt], brown	15	132
Basalt, gray	6	138
Basalt, hard, gray	27	165
Basalt, gray	7	172
Lava [basalt], black	22	194
Lava [basalt], broken, some water	2	196
Basalt, hard, gray	14	210
Lava [basalt], broken	2	212
Basalt, hard, gray	102	314
Basalt, black, water-bearing	11	325
3/17-15L1. Ray Ferguson. Altitude about 400 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 40 ft.		
Fill	2	2
Clay, sandy, brown	13	15
Gravel, coarse; boulders	2	17
Sand, brown	7	24
Sand; clay	11	35
Clay, blue	4	39
Gravel; sand	3	42
3/17-20K1. Martin Marietta. Altitude about 460 ft. Drilled by R. J. Strasser Drilling Co., 1971. Cased to 30 ft.		
Fill	27	27
Sand; clay; gravel	6	33
Rock [basalt], brown	14	47
Basalt, black	14	61
Basalt, gray	12	73
Basalt, dark gray	81	154
Basalt, dark gray	44	198
Basalt, porous, black	28	226
Basalt, gray	6	232

(continued)

Material	Thickness (ft)	Depth (ft)
3/17-20K1. Continued.		
Basalt, broken, black	12	244
Basalt, black	5	249
Basalt, broken, black	17	266
Basalt, black	15	281
Basalt, porous, black	27	308
Basalt, soft, porous	31	339
Basalt, brown and black	12	351
Basalt, hard, gray	4	355
Basalt, gray	17	372
Basalt, porous, black	53	425
Basalt, hard, gray	62	487
Basalt, very hard, gray	4	491
Basalt, gray	32	523
Basalt, porous, black	27	550
Basalt, hard, black	22	572
Basalt, very hard, black	3	575
Basalt, hard, dark gray	4	579
Basalt, dark gray	37	616
Basalt, black and brown	1	617
Basalt, black	4	621
Basalt, porous, black	2	623
Basalt, gray	31	654
Silt stone	29	683
Basalt, gray	109	792
Basalt, slightly porous, gray	38	830
Basalt, gray	15	845
Basalt, broken, dark gray	5	850
Basalt, gray	8	858
Basalt, broken, gray	20	878
Basalt, gray	21	899
Basalt, broken, dark gray	24	923
Basalt, hard, gray	38	961
Basalt, broken, dark gray	87	1048
Basalt, dark gray	40	1088
Basalt, gray	40	1128

Material	Thickness (ft)	Depth (ft)
3/17-21A1. Martin Marietta. Altitude about 520 ft. Drilled by R. J. Strasser Drilling Co., 1971. Cased to 23 ft.		
Rock [basalt], fractured	3	3
Basalt, fractured; clay	9	12
Basalt, medium hard, gray	6	18
Basalt, hard, gray	66	84
Basalt, fractured, brown	20	104
Basalt, hard, gray	19	123
Basalt, porous, black	7	130
Basalt, hard, gray	55	185
Basalt, porous, gray	5	190
Basalt, medium hard, gray	9	199
Basalt, porous, gray	5	204
Basalt, medium hard, gray	46	250
Basalt, hard, gray	76	326
Basalt, fractured, black	8	334
Basalt, medium hard, gray	12	346
Basalt, hard, gray	56	402
Basalt, fractured, gray	6	408
Basalt, hard, gray	40	448
Basalt, porous, gray	20	468
Basalt, hard, gray	30	498
Basalt, porous, gray	6	504
Basalt, porous		
3/17-29A1. U. S. Corps of Engineers. Altitude about 247 ft. Drilled by R. J. Strasser Drilling Co., 1961. Cased to 301 ft.		
Basalt, rough, gray	57	57
Flow breccia; basalt, gray	18	75
Basalt, medium hard, gray	8	83
Basalt, rough, hard, gray	21	104
Rock [basalt], broken; flow breccia	11	115
Basalt, hard, gray	3	118
Rock [basalt], soft, gray	10	128
Basalt, hard, gray	53	181
Basalt, medium hard, black	41	222
Basalt, hard, gray	19	241

(continued)

Material	Thickness (ft)	Depth (ft)
3/17-29A1. Continued.		
Basalt, black	15	256
Basalt, hard, black	5	261
Basalt, rough, hard, gray	26	287
Basalt, hard, gray, caving	14	301
Basalt, hard, gray	4	305
Basalt, medium hard, black	21	326
Basalt, vesicular, reddish-brown and black, water-bearing	13	339
Basalt, black	18	357
Basalt, porous and dense, black	64	421
Basalt, porous, black; sediments [clay], water-bearing	24	445
Basalt, hard, black	14	459
Basalt, hard, gray	36	495
Basalt, medium hard, black	15	510
Basalt, soft, black	33	543
Basalt, medium hard, black	68	611
Basalt, extremely hard, gray	88	699
Basalt, black	25	724
Basalt, porous, black, water-bearing	7	731
Basalt, medium hard, black	36	767
Basalt, hard, gray	2	769
3/18-9N1. Leland Huot. Altitude about 620 ft. Drilled by Marion Duft, 1964. Cased to 109 ft.		
Rock; clay [alluvium]	15	15
Slide rock [talus]	10	25
Basalt, gray	63	88
Clay, blue	10	98
Basalt, black	18	116
3/19-2A1. C. D. Kelley. Altitude about 1100 ft. Drilled by O'Leary Well Drilling, Inc., 1972.		
Clay, sandy; boulders	25	25
Sand; clay; gravel	110	135
Shale [clay], brown	5	140
Basalt, vesicular, gray	70	210
Claystone, brown; clay	100	310

Material	Thickness (ft)	Depth (ft)
3/19-8N1. Alice L. Wesley. Altitude about 1260 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 20 ft.		
Unknown	192	192
Basalt, vesicular	21	213
Basalt, fractured	3	216
Basalt, gray	3	219
Basalt, fractured, water-bearing, 6 gpm	1	220
Basalt, gray	3	223
3/19-29B1. U. S. Corps of Engineers. Altitude about 1060 ft. Drilled by Hansen Drilling Co., Inc., 1974. Cased to 279 ft.		
Soil, sandy, brown	6	6
Basalt, gray	10	16
Basalt, black	71	87
Rock [basalt], broken, black and brown	16	103
Rock [basalt], broken, black and green; clay	9	112
Rock [clay?], sandy, green and black, cemented in places	16	128
Rock [basalt], broken, black; clay	12	140
Basalt, gray	109	249
Basalt, greenish-gray	8	257
Rock [basalt], broken, brown, black and gray	4	261
Basalt, gray	12	273
Lava rock [basalt], black	10	283
Basalt, black	2	285
3/20-7F1. Horace White. Altitude about 830 ft. Drilled by H. T. Leonard, 1954. Cased to 39 ft.		
Soil	15	15
Rock [basalt], broken	35	50
Basalt, broken, black	40	90

(continued)

Material	Thickness (ft)	Depth (ft)
3/20-7F1. Continued.		
Basalt, soft, gray, 150 gpm, SWL 20'	14	104
Basalt, red	11	115
Clay, yellow	6	121
Clay, green	2	123
Basalt, soft, broken	16	139
Basalt, hard, gray	31	170
Basalt, soft, gray	13	183
Basalt, hard, gray	25	208
Basalt, soft, black	12	220
Basalt, soft, black	11	231
Basalt, hard, black	3	234
Basalt, red	22	256
Clay, yellow	2	258
Basalt, soft, black	6	264
Basalt, hard, black	1	265
3/20-21Q2. Sundale Orchards, Inc. Altitude about 307 ft. Drilled by Duft Drilling Co., 1964. Deepened by Storey Drilling Co., 1964. Cased to 70 ft.		
Sand; gravel	20	20
Sand; gravel, show of water	37	57
Basalt	168	225
Crevice water [basalt, fractured, water-bearing]	2	227
Basalt, gray	12	239
Basalt	11	250
Basalt, hard, gray	1	251
Lava, rock [basalt], red, water-bearing	19	270
Basalt, hard, gray	2	272
3/21-9L1. U. S. Corps of Engineers. Altitude about 280 ft. Drilled by Charles Jungmann Drilling Co., 1966. Cased to 65 ft.		
Gravel; clay	2	2
Basalt, broken, brown	2	4

(continued)

Material	Thickness (ft)	Depth (ft)
3/21-9L1. Continued.		
Basalt, gray	11	15
Basalt, black	34	49
Basalt, broken	13	62
Basalt, black	30	92
Basalt, hard, gray	84	176
Basalt, soft, black, SWL 176'	15.5	191.5
3/21-9N1. North Roosevelt Water Assn. Altitude about 280 ft. Drilled by Marion Duft, 1961. Cased to 24 ft.		
Topsoil	2	2
Rock [basalt], broken	2	4
Basalt, hard, gray	51	55
Basalt, soft, porous, black	10	65
Basalt, hard, black	16	81
3/21-17F1. City of Roosevelt. Altitude about 350 ft. Drilled by Storey Drilling Co., 1961. Cased to 50 ft.		
Soil	2	2
Basalt, gray	5	7
Basalt, fractured, gray	3	10
Basalt, gray	55	65
Basalt, broken	10	75
Basalt, gray	55	130
Basalt, broken, brown	10	140
Basalt, hard, gray	30	170
Basalt, hard, gray	20	190
Basalt, black; shale [clay]	10	200
Basalt, broken, black, water-bearing	23	223
3/21-18J1. Norm Goree. Altitude about 370 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 64 ft.		
Unknown	186	186
Basalt, vesicular, black	17	203

(continued)

Material	Thickness (ft)	Depth (ft)
3/21-18J1. Continued.		
Basalt, gray	21	224
Basalt, vesicular, gray	26	250
4/10-11A1. Orlis G. Hale. Altitude about 900 ft. Drilled by Hansen Drilling Co., Inc., 1967. Cased to 137 ft.		
Topsoil	1	1
Clay, red and brown	8	9
Sand; clay; gravel	3	12
Rock [basalt], medium soft, deteriorated, gray	4	16
Rock [basalt], medium hard, gray	8	24
Sand; clay; gravel	2	26
Rock [basalt], medium, reddish-gray	3	29
Rock [basalt], medium hard, gray	5	34
Rock [basalt], broken, medium, gray	2	36
Rock [basalt], medium, gray	22	58
Soil [clay], sandy, brown	7	65
Rock [basalt], broken	9	74
Rock [basalt], blue-black	6	80
Rock [basalt], broken, brown	12	92
Rock [basalt], broken, blue-black	47	139
4/10-11H2. E. W. Krall. Altitude about 700 ft. Drilled by George Zent and Sons, 1947. Cased to 70 ft.		
Soil	1	1
Clay	6	7
Clay, sandy	63	70
Lava rock [basalt]	2	72
4/10-12M1. Carl Belding. Altitude about 690 ft. Drilled by Hansen Drilling Co., Inc., 1969. Cased to 105 ft.		
Topsoil	3	3
Clay; boulders	5	8
Clay, sandy, brown	5	13

(continued)

Material	Thickness (ft)	Depth (ft)
4/10-12M1. Continued.		
Rock [basalt], decomposed	2	15
Rock [basalt], medium, gray	17	32
Rock [basalt], soft, gray-brown	3	35
Rock [basalt], medium hard, gray	28	63
Rock [basalt], soft, gray	3	66
Rock [basalt], medium hard, gray	34	100
Broken sponge-like rock [basalt, vesicular]	5	105
4/10-13G1. Eugene C. Morris. Altitude about 600 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 37 ft.		
Clay, brown	15	15
Clay, brown	20	35
Basalt, vesicular; clay	2	37
Basalt, gray	14	51
Basalt, vesicular; clay	22	73
Basalt, vesicular; clay	12	85
4/10-13H1. Cora Rayburn. Altitude about 520 ft. Drilled by George Zent and Sons, 1964. Cased to 96 ft.		
Clay, rocky	23	23
Clay, sandy	15	38
Lava rock [basalt]	42	80
Silt [clay], black	8	88
Lava rock [basalt]	15	103
4/10-13Q2. Arthur F. Moore. Altitude about 580 ft. Drilled by George Zent and Sons, 1956. Cased to 188 ft.		
Clay, sandy	8	8
Basalt, gray	36	44
Clay, blue	3	47
Clay, sandy, gray	15	62
Rock [basalt]; sand; gravel	22	84
Rock [basalt], broken, black	88	172

(continued)

Material	Thickness (ft)	Depth (ft)
4/10-13Q2. Continued.		
Basalt, gray	28	200
Rock [basalt], fractured	25	225
Shale [clay], green	30	255
4/10-24J1. Bob Jarvis. Altitude about 540 ft. Drilled by Triangle Drilling Inc., 1974. Cased to 81 ft.		
Sand, fine, tan	39	39
Sand, fine, gray	6	45
Clay, gray	15	60
Sand, medium fine, gray	7	67
Basalt, black	26	93
4/10-25H4. Claude Black. Altitude about 440 ft. Drilled by Swift Water Well Drilling, Inc., 1973. Cased to 54 ft.		
Soil, sandy, dark brown	5	5
Clay, sandy, brown	3	8
Clay, brown	8	16
Clay, sandy, moist, blue	32	48
Basalt, hard, black	7	55
Basalt, fractured, black	5	60
Basalt, hard, black	10	70
Basalt, fractured, black	10	80
4/10-36G1. David Gibney. Altitude about 480 ft. Drilled by Swift Water Well Drilling, Inc., 1973. Cased to 113 ft.		
Soil, sandy, brown	6	6
Sand, medium, brown	87	93
Clay, moist, blue	5	98
Gravel, water-bearing	22	120

Material	Thickness (ft)	Depth (ft)
4/10-36N1. Clem Clark. Altitude about 450 ft. Drilled by Swift Water Well Drilling, Inc., 1973. Cased to 40 ft.		
Clay, dark brown	8	8
Clay, dark brown	18	26
Clay, medium, sandy, moist, brown	6	32
Sand, fine, moist, brown	3	35
Basalt, fractured, black	10	45
Basalt, hard, black	5	50
Basalt, fractured, black, water-bearing	20	70
Basalt, hard, black	2	72
Basalt, fractured and weathered, black, water-bearing, 12 gpm	3	75
4/11-6P1. E. L. Jones. Altitude about 1320 ft. Drilled by George Zent and Sons, 1965. Cased to 20 ft.		
Soil	4	4
Gravel	2	6
Boulders	10	16
Rock [basalt]	37	53
Clay, sandy, brown	2	55
Rock [basalt], soft	2	57
Clay, sandy, red	5	62
Clay, sandy, brown	96	158
4/11-8J1. 3 JB Ranch. Altitude about 2000 ft. Drilled by Swift Water Well Drilling, Inc., 1973. Cased to 28 ft.		
Clay, medium, dark brown; cobbles	3	3
Clay, red; gravel	19	22
Basalt, red-brown	21	43
Basalt, hard, fractured, black	47	90
Basalt, hard, light gray	190	280

Material	Thickness (ft)	Depth (ft)
4/11-19J1. J. S. Paradis. Altitude about 840 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 119 ft.		
Topsoil	1	1
Cinders [basalt, vesicular], red	107	108
Rock [basalt], red	39	147
Basalt, black	33	180
Basalt, hard, gray	220	400
Basalt, fractured, gray, water-bearing	30	430
Basalt, fractured, gray, water-bearing	10	440
4/11-23P1. Leland Wiley. Altitude about 2020 ft. Drilled by Thomas L. Leonard, 1974. Cased to 59 ft.		
Topsoil	7	7
Soil; boulders	3	10
Rock [basalt], soft, light gray	20	30
Rock [basalt], medium, light tan	17	47
Clay, tan	4	51
Clay, yellow; gravel	9	60
Basalt, black	13	73
Clay, yellow; gravel	2	75
Basalt, hard, gray	7	82
4/11-24L1. Kevin Smith. Altitude about 2200 ft. Drilled by Richard J. Murray, 1975. Cased to 32 ft.		
Soil	5	5
Clay, gray	4	9
Sandstone, gray	17	26
Clay, brown	6	32
Basalt, hard, gray	7	39
Basalt, soft, black	15	54
Basalt, hard, gray	187	241
Basalt, vesicular, black	44	285

Material	Thickness (ft)	Depth (ft)
4/11-31E1. Husum Hills Golf Club. Altitude about 500 ft. Drilled by George Zent and Sons, 1965. Cased to 144 ft.		
Clay, silty, brown	15	15
Clay, sandy, blue	53	68
Clay, sandy, gray-brown	16	84
Rock [basalt], broken; clay	12	96
Rock [basalt], broken, water-bearing	11	107
Gravel, partially cemented, water-bearing, 10 gpm	6	113
Clay, sandy, brown	21	134
Gravel, cemented	28	162
4/12-9A1. Delbert Blackburn. Altitude about 2320 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 19 ft.		
Clay, brown	4	4
Basalt, gray	56	60
Basalt, fractured, gray	3	63
Basalt, vesicular, black; clay	13	76
Basalt, fractured; sand	5	81
Basalt, fractured, gray	4	85
4/12-10G1. Gerald Darby. Altitude about 2400 ft. Drilled by Brian Blocker, 1974. Cased to 18 ft.		
Topsoil	1	1
Clay, hard, brown	7	8
Basalt, hard, gray	36	44
Basalt, fractured, black	9	53
Basalt, hard, gray	18	71
Basalt, fractured, black, water-bearing	9	80
4/12-10J1. F. B. Augee. Altitude about 2420 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 20 ft.		
Topsoil	1	1
Clay, brown	9	10

(continued)

Material	Thickness (ft)	Depth (ft)
4/12-10J1. Continued.		
Clay, brown	5	15
Basalt, fractured, black	12	27
Basalt, hard, black	8	35
Basalt, fractured, black	5	40
Basalt, hard, black	220	260
Basalt, fractured, black	40	300
4/12-10R1. Lawrence Milgrove. Altitude about 2420 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 18 ft.		
Topsoil	1	1
Clay, hard, brown	6	7
Basalt, hard, gray	243	250
Basalt, fractured, black	46	296
Basalt, hard, gray	17	313
Basalt, fractured, black	18	331
Basalt, hard, gray	67	398
Basalt, fractured, black	9	407
Basalt, hard, gray	3	410
4/12-21Q1. Lolla Loftis. Altitude about 2560 ft. Drilled by Richard J. Murray, 1975. Cased to 62 ft.		
Soil	2	2
Boulders; rock, broken; soil	13	15
Basalt, dark brown	14	29
Basalt, hard, gray	12	41
Basalt, soft, brown, SWL 55'	21	62
Basalt, hard, gray	68	130
Basalt, black, water-bearing	30	160
Basalt, hard, gray	45	205
4/12-22R1. Willis H. Maxson. Altitude about 2440 ft. Drilled by Swift Water Well Drilling, Inc., 1974. Cased to 69 ft.		
Topsoil	2	2

(continued)

Material	Thickness (ft)	Depth (ft)
4/12-22R1. Continued.		
Clay, sandy, brown	23	25
Clay, brown; boulders	20	45
Clay, sandy, brown	17	62
Basalt, decomposed, water-bearing	5	67
Basalt, fractured, black, water-bearing	13	80
4/12-23P1. Mel Tennison. Altitude about 2330 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 29 ft.		
Clay, brown	3	3
Clay, brown	26	29
Basalt, gray	11	40
Basalt, fractured, gray	3	43
Conglomerate [gravel]; clay, water-bearing	25	68
Basalt, fractured, gray	7	75
4/12-24P1. Edward Fousel. Altitude about 2300 ft. Drilled by Murray Well Drilling, 1975. Cased to 56 ft.		
Soil	8	8
Conglomerate [gravel]	37	45
Boulders	5	50
Basalt, gray	91	141
Basalt, vesicular, black	26	167
Basalt, brown	8	175
Basalt, black	45	220
Basalt, gray, no water encountered	40	260
4/13-12A1. Steven Drew. Altitude about 1800 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 40 ft.		
Clay, brown; boulders	28	28
Clay, water-bearing	12	40
Basalt, fractured	117	157
Basalt, vesicular, black; clay	8	165
Basalt, gray	65	230

Material	Thickness (ft)	Depth (ft)
4/13-12C1. Lyle Long. Altitude about 1800 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 18 ft.		
Clay, brown; boulders	18	18
Basalt, gray	139	157
Basalt, fractured, water-bearing	23	180
4/13-22P1. H. L. Vogt. Altitude about 450 ft. Driller unknown, 1964. Cased to 49 ft.		
Soil; boulders	11	11
Clay, yellow	2	13
Clay, red; boulders	15	28
Gravel; clay, trace of water	8	36
Basalt, gray	3	39
Clay, brown	2	41
Basalt, gray	4	45
Gravel, trace of water	1	46
Basalt, broken, blue	4	50
Basalt, blue	36	86
Basalt, brown	2	88
Basalt, porous, black	8	96
4/13-28G1. Kenith Vogt. Altitude about 760 ft. Drilled by Marion Duft, 1964. Cased to 82 ft.		
Clay	20	20
River rock [gravel]	2	22
Basalt, gray	30	52
Sand	1	53
Basalt, gray	29	82
Bedrock [basalt]	51	133
4/14-1M1. Ken Sipe. Altitude about 1530 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 155 ft.		
Clay, brown; boulders	13	13
Basalt, gray	27	40
Clay, brown	3	43

(continued)

Material	Thickness (ft)	Depth (ft)
4/14-1M1. Continued.		
Clay, brown; gravel	6	49
Basalt, vesicular, gray; clay	32	81
Shale [clay], brown	11	92
Basalt, fractured, gray	4	96
Basalt, gray	9	105
Sandstone, brown	3	108
Clay, brown; gravel	27	135
Shale [clay], brown	17	152
Basalt, vesicular, black; clay	33	185
Basalt, gray	105	290
Basalt, vesicular, black; clay	12	302
Basalt, gray	4	306
Basalt, vesicular, gray	8	314
Basalt, vesicular, black; clay	18	332
Claystone, blue	5	337
Basalt, vesicular, gray	9	346
Basalt, fractured, gray	7	353
Basalt, fractured, brown	3	356
Basalt, brown	5	361
Basalt, gray	149	510
Basalt, fractured	15	525
Basalt, vesicular, gray	8	533
Basalt, black	2	535
Basalt, fractured, gray	4	539
Sandstone, hard, gray	5	544
Basalt, gray	13	557
Basalt, vesicular, gray	5	562
Basalt, fractured, brown	3	565

4/14-17F1. W. F. Kirchner. Altitude about 590 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 23 ft.

Material	Thickness (ft)	Depth (ft)
Clay	16	16
Clay; gravel, coarse; boulders	4	20
Basalt, hard, gray	34	54
Basalt, water-bearing	1	55
Basalt, hard, gray	5	60

Material	Thickness (ft)	Depth (ft)
4/14-21C1. Leroy Van Belle. Altitude about 1360 ft. Deepened by O'Leary Well Drilling, Inc., 1973. Cased to 74 ft.		
Topsoil	3	3
Sand, dry	42	45
Silt, gray, damp	30	75
Basalt, hard	62	137
Basalt, fractured	7	144
Claystone, brown	2	146
Basalt	139	285
Basalt, fractured	23	308
Basalt; clay	46	354
Basalt	18	372
Basalt, gray	3	375
Cinder [basalt]	11	386
Basalt, fractured, vesicular	94	480
Basalt, fractured, vesicular; clay	234	714
Basalt, gray	223	937
Basalt, gray; clay	13	950
Basalt, gray	5	955

4/14-23L1. Wash. Investment. Altitude about 1580 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 5 ft.

Material	Thickness (ft)	Depth (ft)
Topsoil	4	4
Basalt, vesicular	44	48
Basalt, gray	27	75
Clay	15	90
Shale [clay]	12	102
Basalt, fractured	50	152
Cinder [basalt], red	23	175
Basalt, vesicular	62	237
Basalt, black	5	242
Basalt, vesicular	26	268
Basalt, black	42	310

4/14-26K1. Raymond Humphrey. Altitude about 1560 ft. Drilled by Gorge Contractors Inc., 1970. Cased to 138 ft.

Material	Thickness (ft)	Depth (ft)
Topsoil	3	3

(continued)

Material	Thickness (ft)	Depth (ft)
4/14-26K1. Continued.		
Basalt, vesicular; clay	53	56
Basalt, vesicular	43	99
Clay, soft, white	3	102
Basalt, vesicular	28	130
Clay, soft, brown	4	134
Basalt, vesicular, gray	6	140
Basalt, hard	21	161
Basalt, fractured	4	165
Basalt, vesicular, water-bearing	25	190
Basalt, gray	5	195
4/15-1Q1. Eugene H. Amidon. Altitude about 1750 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 80 ft.		
Topsoil	3	3
Clay; boulders	10	13
Basalt, gray	36	49
Basalt, fractured; clay	2	51
Clay, red and brown	12	63
Claystone, brown	13	76
Basalt, fractured; clay	3	79
Claystone, brown	2	81
Basalt, vesicular; clay	18	99
Basalt, fractured	2	101
Basalt, vesicular	24	125
Lava [basalt], hard, gray	5	130
4/15-2N2. Emmet E. Clouse. Altitude about 1680 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 66 ft.		
Loam; sand; clay	6	6
Gravel, coarse; boulders; clay	9	15
Basalt	25	40
Cinders [basalt], soft, red	25	65
Basalt	35	100
Basalt, gray	10	110
Basalt, red	17	127
Basalt, gray	55	182

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-2N2. Continued.		
Basalt, red	42	224
Basalt	64	288
Basalt, fractured, water-bearing, 30 gpm	8	296
Basalt, hard	20	316
Basalt	19	335
Basalt, fractured, water-bearing, 18 gpm	12	347
Basalt, hard	18	365
Basalt, fractured, water-bearing, 90 gpm	5	370
Basalt, hard	22	392
Basalt, gray, water-bearing, 12 gpm	18	410
4/15-3H1. A. Winterstein. Altitude about 1725 ft. Drilled by Riebe Well Drilling, 1968. Cased to 133 ft.		
Soil, hard, sandy	18	18
Basalt, broken, brown; clay; boulders	23	41
Basalt, very hard, gray	41	82
Rock [basalt], water-bearing	40	122
Basalt, gray	20	142
Cinders [basalt], black and red	20	162
Basalt, broken	48	210
Basalt, gray	37	247
Rock [basalt], broken; clay; boulders, water-bearing	50	297
Basalt, gray	23	320
Clay; boulders, water-bearing	20	340
Basalt, gray	20	360
Basalt, porous	6	366
Basalt, gray; clay	28	394
Lava [basalt], broken	4	398
Basalt, gray	8	406
Basalt, porous; clay, water-bearing	8	414
Basalt, gray	1	415

Material	Thickness (ft)	Depth (ft)
4/15-4F1. Ed Doubravsky. Altitude about 1760 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 19 ft.		
Clay, brown	4	4
Basalt, gray	44	48
Basalt, vesicular	15	63
Basalt, gray	39	102
Gravel; clay	13	115
Basalt, vesicular, gray	15	130
4/15-4R1. George Andrews. Altitude about 1680 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 19 ft.		
Clay	4	4
Boulders	4	8
Void [clay?]	5	13
Basalt, gray	3	16
Basalt, fractured, gray	1	17
Basalt, fractured, gray	33	50
Basalt, fractured, gray; clay	5	55
Clay	6	61
Cinders and lava [basalt]; clay, water-bearing	6	67
Conglomerate [gravel]; sand; clay	3	70
Clay, brown	18	88
Basalt, fractured, vesicular; shale [clay]	13	101
Basalt, fractured, black	16	117
Cinders and lava [basalt]; clay, water-bearing	3	120
Sandstone, gray	8	128
Basalt, gray	2	130
4/15-5J1. Dale Thiele. Altitude about 1710 ft. Drilled by Riebe Well Drilling, 1967. Cased to 58 ft.		
Soil, clayey	4	4
Rock [basalt], red; clay	43	47
Basalt, broken, porous	59	106

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-5J1. Continued.		
Basalt, gray	23	129
Rock [basalt], hard, red	8	137
Basalt, gray	16	153
Rock [basalt], red, water-bearing	14	167
Basalt, gray	31	198
Rock [basalt], red, water-bearing	14	212
Basalt, broken, porous, black; clay	110	322
Lava [basalt], blue, black; clay	18	340
Clay, blue; sand, water-bearing, 300 gpm	27	367
Lava [basalt], porous, black; clay	15	382
4/15-6A1. Howard Bratton. Altitude about 1680 ft. Drilled by O'Leary Well Drilling, Inc., 1974.		
Unknown	209	209
Basalt, gray	2	211
Basalt, fractured; clay	36	247
Basalt, fractured, vesicular; clay	335	582
Clay, green	10	592
Silt, sandy, water-bearing	3	595
4/15-8G1. Earl McClintock. Altitude about 1650 ft. Drilled by 4 Star Drilling Company, 1969. Cased to 15 ft.		
Soil	15	15
Basalt, hard	10	25
Basalt, hard	15	40
Basalt, medium	15	55
Basalt, medium	15	70
Basalt, medium	15	85
Basalt, medium, water-bearing	15	100
Clay	15	115
Clay	15	130
Red rock [basalt], medium	15	145
Basalt, medium	15	160
Basalt, medium	15	175
Basalt, medium	15	190
Basalt, medium	15	205

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-8G1. Continued.		
Basalt, medium	15	220
Basalt, medium	15	235
Basalt, medium	15	250
Basalt, medium	15	265
Basalt, water-bearing	15	280
Basalt, medium	15	295
Basalt, medium	15	310
Basalt, medium	15	325
Basalt, medium	15	340
Basalt, medium	15	355
4/15-9G1. Ray Hill. Altitude about 1620 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 27 ft.		
Clay, brown	8	8
Basalt, gray	11	19
Basalt, vesicular, gray	3	22
Basalt, gray	9	31
Basalt, vesicular, gray and black; clay, water-bearing	61	92
Clay, green	10	102
Basalt, vesicular, fractured, gray	43	145
4/15-10F1. George Beebe. Altitude about 1660 ft. Drilled by Hansen Drilling Co., Inc., 1969. Cased to 383 ft.		
Topsoil	5	5
Clay, brown	11	16
Rock [basalt], black; clay [interbedded]	34	50
Rock [basalt], soft; clay, water-bearing	40	90
Rock [basalt], medium hard, water-bearing	60	150
Basalt, medium hard, gray	100	250
[Basalt], black, water-bearing	10	260
Rock [basalt]	85	345

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-10F1. Continued.		
Rock [basalt], medium, soft, broken, black, water-bearing	33	378
Rock [basalt], hard, gray	36	414
Rock [basalt], broken, gray, water-bearing	36	450
4/15-11K1. Wash. Dept. of Game. Altitude about 1640 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 184 ft.		
Basalt, fractured; clay	28	28
Basalt, gray	16	44
Basalt, fractured; clay	17	61
Cinder [basalt]; clay	6	67
Basalt, vesicular, gray	27	94
Cinder [basalt]; clay	14	108
Basalt, vesicular, gray	20	128
Conglomerate [gravel]; clay	56	184
Basalt, fractured, gray	28	212
Claystone, green and brown	2	214
Basalt, fractured, gray	54	268
Claystone, green	3	271
Basalt, vesicular, fractured, brown, water-bearing	63	334
Basalt, gray	1	335
4/15-15H2. Ross Wilkins. Altitude about 1630 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 76 ft.		
Clay, brown	2	2
Sandstone, gray	29	31
Sandstone, gray; clay	11	42
Sandstone, gray	11	53
Sandstone, gray; clay	9	62
Sandstone, brown; clay	13	75
Sandstone, gray	90	165
Basalt, vesicular, gray	6	171
Sandstone, gray	52	223

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-15H2. Continued.		
Basalt, gray	9	232
Basalt, vesicular, gray	17	249
Sandstone, gray; clay	6	255
Basalt, vesicular, gray	5	260
Basalt, fractured, gray	6	266
Basalt, vesicular, gray; clay	6	272
Basalt, fractured, gray	16	288
Sandstone, brown; clay	6	294
Sandstone, gray; clay	1	295
4/15-16F1. Wash. Dept. of Natural Res. Altitude about 1595 ft. Drilled by L & L Drilling, Inc., 1970. Cased to 331 ft.		
Boulders; soil	19	19
Basalt, hard, water-bearing	27	46
Basalt, broken	60	106
Basalt, medium hard; clay, interbedded	101	207
Basalt, hard	8	215
Basalt, medium	30	245
Basalt, hard	4	249
Basalt, medium	35	284
Cavey formation [interflow zone], water-bearing	47	331
Basalt, hard; clay	49	380
Cinders [basalt], red	16	396
Basalt, hard	94	490
Basalt, hard	46	536
Basalt, hard	54	590
Clay, sticky, water-bearing	5	595
4/15-21F1. Lloyd Hutchins. Altitude about 1600 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 27 ft.		
Clay; boulders	5	5
Lava [basalt], brown	13	18
Clay, red	8	26
Basalt	22	48
Cinders [basalt], red	5	53

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-21F1. Continued.		
Lava [basalt], brown; shale [clay]	117	170
Clay, red	2	172
Lava [basalt], black	15	187
Basalt	45	232
4/15-23E1. B. F. Dunn. Altitude about 1620 ft. Drilled by 4 Star Drilling Co., 1970. Cased to 10 ft.		
Soil	9	9
Basalt, hard	16	25
Basalt, medium	15	40
Rock [basalt], red	15	55
Basalt, medium, water-bearing	90	145
Sand	45	190
4/15-26B1. Inez Holdridge. Altitude about 1510 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 52 ft.		
Clay; boulders	17	17
Basalt	14	31
Clay	16	47
Basalt, vesicular	9	56
Basalt, gray and brown	180	236
Basalt, vesicular, fractured	20	256
Basalt, black and gray	26	282
Basalt, gray	13	295
4/15-26H1. George Keech. Altitude about 1580 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 35 ft.		
Clay, brown	12	12
Clay, brown	2	14
Clay, brown	6	20
Claystone, brown	5	25
Basalt, vesicular, fractured; clay	11	36
Basalt, fractured, gray	17	53

(continued)

Material	Thickness (ft)	Depth (ft)
4/15-26H1. Continued.		
Basalt, fractured, gray, water-bearing	2	55
Basalt, gray	37	92
Basalt, fractured	8	100
Basalt, gray	60	160
Basalt, fractured	5	165
Basalt, gray	36	201
Basalt, fractured	3	204
Basalt, gray	26	230
Basalt, vesicular, gray; shale [clay]	10	240
Basalt, fractured	5	245
Basalt, fractured; clay	6	251
Basalt, fractured	10	261
Basalt, fractured; clay	3	264
Basalt, fractured	11	275
Basalt, gray	25	300
4/15-26R2. George Keech. Altitude about 1660 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 117 ft.		
Shale [clay]; boulders	20	20
Clay, brown	30	50
Clay; basalt	38	88
Basalt, fractured; clay	17	105
Conglomerate [gravel]; clay, water-bearing	15	120
Basalt, fractured	5	125
4/15-27J1. Skip Corsey. Altitude about 1620 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 57 ft.		
Clay; boulders	2	2
Basalt, gray	39	41
Clay, brown, green and black	11	52
Basalt, gray	139	191
Basalt, fractured, gray, water-bearing	1	192
Basalt, gray	13	205

Material	Thickness (ft)	Depth (ft)
4/15-31D1. Ken Anderson. Altitude about 1760 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 81 ft.		
Clay	71	71
Basalt, gray	95	166
Basalt, fractured, water-bearing	1	167
Basalt, black	31	198
Basalt, vesicular, gray, water-bearing	3	201
Basalt, gray	217	418
Basalt, vesicular, gray, water-bearing	4	422
Basalt, gray	8	430
4/15-32R2. Charles Eshelman. Altitude about 1800 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 52 ft.		
Clay; boulders	35	35
Basalt, gray	4	39
Clay, green	13	52
Basalt, gray	61	113
Basalt, fractured, water-bearing	22	135
Basalt	115	250
4/15-35E1. Earl McClintock. Altitude about 1740 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 73 ft.		
Clay, brown	46	46
Basalt, gray	22	68
Clay, brown	1	69
Basalt, gray	14	83
Basalt, fractured; shale, [clay], water-bearing	32	115

Material	Thickness (ft)	Depth (ft)
4/16-6A1. Roger Pond. Altitude about 1920 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 34 ft.		
Clay; boulders	8	8
Clay; cinder [basalt]	21	29
Sandstone, gray; clay; cinder [basalt]	290	319
Sandstone, gray; clay	9	328
Cinder [basalt]	12	340
4/16-8G1. Pat McEwen. Altitude about 1800 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 28 ft.		
Topsoil	4	4
Clay	14	18
Lava [basalt], gray	5	23
Sandstone, gray	59	82
Lava [basalt], gray	75	157
Basalt	11	168
Lava [basalt], vesicular, gray; clay	85	253
Sandstone	3	256
Basalt, vesicular, water-bearing	17	273
Cinder [basalt], red	27	300
4/16-9D1. E. M. Foster. Altitude about 1820 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 19 ft.		
Clay, brown	8	8
Shale [clay], brown	11	19
Basalt, gray	24	43
Claystone, brown; sand	28	71
Basalt, vesicular, gray, water-bearing	6	77
Basalt, vesicular, fractured, red	14	91
Clay, brown	4	95
Sandstone, gray; basalt, vesicular	76	171
Basalt, gray	29	200

Material	Thickness (ft)	Depth (ft)
4/16-10B3. Dick Ladiges. Altitude about 1800 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 23 ft.		
Clay, brown	8	8
Basalt, gray	8	16
Clay, brown	6	22
Basalt, vesicular, gray	8	30
Basalt, vesicular, gray; clay	8	38
Basalt, vesicular, brown; clay	3	41
Basalt, fractured, gray; clay	8	49
Basalt, vesicular, gray	21	70
Basalt, gray	164	234
Sandstone, red	13	247
Sandstone, brown	7	254
Basalt, black	9	263
Basalt, gray	23	286
Basalt, black	11	297
Clay, green	1	298
Basalt, vesicular, black	16	314
Basalt, black	11	325
Basalt, gray	65	390
Claystone, green	7	397
Claystone, green; basalt, vesicular	3	400
Basalt, gray	3	403
Basalt, vesicular, black, water-bearing	4	407
Basalt, gray	8	415
4/16-10L1. Charles Koenig. Altitude about 1700 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 19 ft.		
Clay, brown	1	1
Shale, [clay], gray	3	4
Basalt, fractured, gray	6	10
Basalt, gray	28	38
Basalt, vesicular, fractured	13	51
Clay, brown	7	58
Basalt, fractured; shale [clay]	16	74
Basalt, fractured, gray	35	109
Basalt, vesicular, black	6	115

Material	Thickness (ft)	Depth (ft)
4/16-11D2. C. M. Barrett. Altitude about 1880 ft. Drilled by Gorge Contractors, Inc., 1970. Cased to 26 ft.		
Gravel	15	15
Clay, yellow and brown	8	23
Clay	2	25
Basalt, vesicular	22	47
Basalt, vesicular; clay	3	50
Basalt, vesicular, gray	56	106
Claystone, red	1	107
Basalt, vesicular, gray	13	120
Basalt, gray	70	190
Basalt, vesicular, gray	11	201
Basalt, hard	3	204
Claystone, black	1	205
Claystone, green	3	208
Basalt, vesicular, black, water-bearing	12	220
Basalt, hard, gray	156	376
Basalt, fractured; clay	12	388
Sandstone, blue-green, water-bearing	3	391
Basalt, vesicular, porous, black; clay	12	403
Basalt, vesicular, black	17	420
4/16-11J1. Dale Reimer. Altitude about 2140 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 29 ft.		
Clay, brown	6	6
Boulders; clay	4	10
Clay, brown	4	14
Sandstone, brown	5	19
Clay, brown	5	24
Basalt, heavy, fractured	3	27
Basalt, gray	7	34
Basalt, vesicular, gray; clay; sand	4	38
Basalt, vesicular, brown	10	48
Basalt, vesicular, gray; clay	18	66
Basalt, gray	13	79

(continued)

Material	Thickness (ft)	Depth (ft)
4/16-11J1. Continued.		
Basalt, vesicular; clay	4	83
Basalt, vesicular, gray	11	94
Basalt, vesicular; clay	3	97
Basalt, vesicular, red; sand; clay	4	101
Basalt, gray	6	107
Basalt, vesicular, gray	4	111
Basalt, vesicular, gray; clay	6	117
Basalt, vesicular, gray	9	126
Basalt, fractured, gray; clay	3	129
Clay, sandy, brown	14	143
Clay, light brown	27	170
Claystone, white	7	177
Sandstone, brown; clay	15	192
Sandstone, green; clay	24	216
Sandstone, green; clay	4	220
Clay, green	38	258
Shale [clay], brown	7	265
Basalt, gray	47	312
Basalt, vesicular, gray	15	327
Basalt, gray	7	334
Basalt, vesicular, gray	11	345
Basalt, gray	25	370
4/16-14G1. M. H. Norris. Altitude about 1790 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 20 ft.		
Clay	8	8
Boulders; clay	3	11
Clay, blue	1	12
Shale [clay], blue	15	27
Basalt	33	60
Basalt, fractured	20	80
Claystone; shale [clay]	28	108
Basalt	2	110
Shale [clay]	14	124
Basalt	18	142

Material	Thickness (ft)	Depth (ft)
4/16-15E1. Wash. State Patrol. Altitude about 1680 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 34 ft.		
Clay, brown; boulders	2	2
Basalt, gray	17	19
Clay, brown	14	33
Basalt, gray	20	53
Basalt, fractured	9	62
Sandstone, brown	3	65
Basalt, vesicular; clay	10	75
Basalt, vesicular, gray, water-bearing	19	94
Basalt, gray	6	100
4/16-15L1. Maxine Knosher. Altitude about 1680 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 15 ft.		
Topsoil	4	4
Shale [clay], hard	3	7
Basalt, hard, gray	86	93
Basalt, vesicular, water-bearing	12	105
Basalt, fractured	10	115
Basalt, hard, gray	5	120
4/16-15N1. Maxine Knosher. Altitude about 1680 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 18 ft.		
Topsoil	4	4
Shale [clay], hard	3	7
Basalt, hard, gray	84	91
Lava basalt, black	1	92
Basalt, vesicular, water-bearing	10	102
Basalt, fractured, gray	3	105
4/16-16Q1. Fred Stone. Altitude about 1640 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 29 ft.		
Topsoil	5	5
Clay; gravel, coarse	22	27

(continued)

Material	Thickness (ft)	Depth (ft)
4/16-16Q1. Continued.		
Conglomerate [gravel]; clay, water-bearing	10	37
Basalt	3	40
4/16-18P1. O'Leary Well Drilling, Inc. Altitude about 1620 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 35 ft.		
Clay, brown	4	4
Sandstone, gray	19	23
Clay, red	3	26
Sandstone, brown; clay	4	30
Sandstone, gray	12	42
Basalt, fractured, gray	12	54
Basalt, vesicular, gray; clay	2	56
Sandstone, brown	11	67
Basalt, vesicular, gray	5	72
Sandstone; clay	6	78
Sandstone, brown	3	81
Basalt, gray	11	92
Basalt, vesicular, gray; clay	3	95
Basalt, vesicular; clay	5	100
Basalt, vesicular; clay	8	108
Basalt, vesicular, black, water-bearing, 26 gpm	5	113
Basalt, gray	29	142
Sandstone; clay	5	147
Sandstone, gray; clay; gravel, water-bearing, 8 gpm	5	152
Clay, green	1	153
Sandstone, brown	2	155
Basalt, fractured, gray	4	159
Sandstone, brown; clay	11	170
Basalt, gray	30	200
Basalt, fractured, gray	6	206
Basalt, gray	14	220
Clay, white	2	222
Basalt, vesicular, black; clay	18	240

(continued)

Material	Thickness (ft)	Depth (ft)
4/16-18P1. Continued.		
Basalt, fractured, gray	10	250
Basalt, gray	60	310
Claystone, white; basalt, vesicular	4	314
Basalt, weathered	6	320
4/16-20G3. Harry Moore. Altitude about 1610 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 20 ft.		
Clay, brown	3	3
Basalt, gray	26	29
Basalt, fractured; clay	7	36
Basalt, vesicular, blue, black	14	50
Basalt, gray	58	108
Basalt, vesicular; clay	2	110
Basalt, gray	6	116
Basalt, fractured; clay	5	121
Clay, white	3	124
Basalt, vesicular	9	133
Basalt, gray	5	138
Basalt, brown	5	143
Basalt, gray	47	190
4/16-20K1. Boise Cascade. Altitude about 1610 ft. Drilled by Riebe Well Drilling, 1966. Cased to 26 ft.		
Clay; sand; gravel	6	6
Boulders, large; clay	19	25
Basalt, weathered	43	68
Basalt, black	36	104
Clay, green; gravel; carbonaceous material, water-bearing, 20 gpm	26	130
Basalt, weathered, black, water-bearing, 30 gpm	32	162
Basalt, fractured, black and gray, water-bearing	10	172
Basalt, very hard, iron gray	140	312
Clay, brown, water-bearing, 10 gpm	2	314
(continued)		

Material	Thickness (ft)	Depth (ft)
4/16-20K1. Continued.		
Basalt, fractured, gray; water-bearing, 15 gpm	14	328
Basalt, very hard, iron gray	9	337
4/16-21B2. D. Wedgewood. Altitude about 1650 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 19 ft.		
Soil, shale [clay]	3	3
Clay, brown	2	5
Clay, brown	5	10
Clay, brown	2	12
Clay, brown	5	17
Basalt, gray	15	32
Basalt, fractured, gray	7	39
Basalt, gray	18	57
Shale [clay], brown	2	59
Basalt, gray	3	62
Basalt, vesicular, gray	7	69
Basalt, gray	8	77
Clay, white	6	83
Basalt, fractured, vesicular, gray, water-bearing, 170 gpm	50	133
Basalt, gray	9	142
Basalt, fractured, light gray	6	148
Basalt, gray	15	163
Basalt, fractured, gray	8	171
Basalt, gray	44	215
Basalt, fractured; shale [clay]	20	235
Basalt, gray	58	293
Basalt, vesicular, black; shale [clay]	28	321
Basalt, fractured, black	11	332
Basalt, fractured, gray	6	338
Basalt, vesicular, gray	4	342
Basalt, fractured, gray, water-bearing	15	357
Basalt, gray	101	458
Basalt, vesicular, black; shale [clay]	12	470
Conglomerate [gravel], gray; clay; basalt, vesicular, water-bearing	20	490

Material	Thickness (ft)	Depth (ft)
4/16-21K1. C. L. Mesecher. Altitude about 1690 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Deepened by O'Leary Well Drilling, Inc., 1974. Cased to 63 ft.		
Clay, brown	9	9
Clay, brown	37	46
Clay, white and brown	9	55
Basalt, vesicular	6	61
Basalt, fractured, gray	19	80
Basalt, gray, water-bearing	28	108
Basalt, gray	77	185
Basalt, fractured, water-bearing	3	188
Basalt, gray	17	205
Basalt, gray	51	256
Basalt, vesicular, fractured, black	11	267
Basalt, gray	11	278
Basalt, fractured, vesicular, black	29	307
Basalt, gray	4	311
4/16-22L1. Gorge Contractors, Inc. Altitude about 1750 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 45 ft.		
Topsoil	3	3
Shale [clay]	19	22
Clay	14	36
Clay, white	4	40
Shale [clay]	3	43
Shale [clay]	12	55
Basalt	105	160
Basalt; clay, water-bearing	5	165
Basalt	5	170
4/16-26K1. Eleanor Dooley. Altitude about 1840 ft. Drilled by Gorge Contractors, Inc., 1968.		
Clay	12	12
Basalt, fractured	20	32
Basalt	110	142

Material	Thickness (ft)	Depth (ft)
4/16-27E1. Rex Maurer. Altitude about 1760 ft. Drilled by Gorge Contractors, Inc., 1968. Cased to 20 ft.		
Clay, sandy	6	6
Basalt, vesicular, red; clay	6	12
Lava [basalt], gray	16	28
Basalt, vesicular, red; clay	12	40
Basalt	43	83
Clay, white	12	95
Basalt	122	217
4/16-28A3. Dwight Dingmon. Altitude about 1720 ft. Drilled by Gorge Contractors, Inc., 1968. Deepened by L & L Drilling, Inc., 1972. Cased to 32 ft.		
Topsoil	6	6
Lava [basalt], gray	12	18
Clay, red	2	20
Cinder [basalt], red	1	21
Lava [basalt], gray	5	26
Sand	2	28
Shale [clay]	52	80
Claystone, white	1	81
Basalt	18	99
Basalt, fractured	2	101
Basalt	174	275
Cinder [basalt], red; clay	1	276
Basalt	29	305
Basalt, fractured; clay	2	307
Basalt, broken, black; clay	6	313
Basalt, gray	147	460
Shale [clay], black	1	461
Basalt, broken, black	9	470
Shale [clay], brown	10	480
Basalt, broken, black	50	530
Basalt, gray	1	531

Material	Thickness (ft)	Depth (ft)
4/16-29H2. R. E. Hornibrook. Altitude about 1700 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 20 ft.		
Topsoil	4	4
Clay, brown	12	16
Basalt, blue-black	71	87
Claystone, brown	6	93
Clay, white	4	97
Rock [basalt], water-bearing	26	123
Basalt, fractured, gray	3	126
Basalt, gray	4	130
4/16-31G1. Norman Dingmon. Altitude about 1650 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 43 ft.		
Clay, brown	7	7
Basalt, fractured; clay	11	18
Clay, white	2	20
Clay, brown	4	24
Basalt, vesicular, gray; clay	6	30
Basalt, vesicular; gravel; clay	7	37
Basalt, vesicular, black	5	42
Basalt, fractured, black	7	49
Basalt, fractured, gray	12	61
Basalt, fractured, gray; shale [clay]	4	65
Basalt, brown; clay	20	85
Clay, white	7	92
Basalt, vesicular, brown; clay	8	100
Shale [clay], brown	8	108
Basalt, vesicular, gray	4	112
Basalt, fractured, gray	3	115
4/16-32A1. C. R. Blanchard. Altitude about 1715 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 20 ft.		
Topsoil	2	2
Basalt, black	40	42
Basalt, vesicular	34	76
Basalt, fractured, gray	26	102

Material	Thickness (ft)	Depth (ft)
4/16-32N1. Glen Seward. Altitude about 1680 ft. Drilled by O'Leary Well Drilling, Inc., 1975. Cased to 19 ft.		
Clay, brown	14	14
Basalt, gray	35	49
Shale [clay], water-bearing	20	69
Basalt, gray	10	79
Basalt, fractured, gray, water-bearing	18	97
Basalt, fractured, gray	33	130
4/16-34H1. Marvin H. Norris. Altitude about 1840 ft. Drilled by Gorge Contractors, Inc., 1968. Deepened by O'Leary Well Drilling, Inc., 1971. Cased to 102 ft.		
Clay	26	26
Lava [basalt], gray	6	32
Basalt	12	44
Claystone, water-bearing	46	90
Basalt, fractured	15	105
Basalt	7	112
Basalt, gray	17	129
Shale [clay], brown	7	136
Basalt, fractured, gray	17	153
Basalt, fractured, gray	7	160
Basalt, fractured, gray	22	182
Basalt, fractured, gray	22	204
Basalt, gray	40	244
Basalt, fractured, gray	8	252
Basalt, gray	25	277
Basalt, vesicular, gray	26	303
Basalt, fractured, gray	10	313
Basalt, gray	127	440
Basalt, gray; clay	4	444
Basalt, vesicular, gray	6	450
Basalt, fractured	17	467
Basalt, vesicular, gray; clay	2	469
Basalt, hard, vesicular, gray	13	482
Basalt, vesicular, black	5	487
Basalt, vesicular	13	500

Material	Thickness (ft)	Depth (ft)
4/17-2P1. Eleanor Dooley. Altitude about 2180 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 5 ft.		
Topsoil	3	3
Basalt, fractured	72	75
Shale [clay], brown	3	78
Basalt, water-bearing	4	82
Slate [basalt?]	13	95
Claystone, blue; lava [basalt]	6	101
Basalt	207	308
4/17-9F1. O'Leary Well Drilling, Inc. Altitude about 2410 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 131 ft.		
Clay, brown	3	3
Basalt; clay	46	49
Cinder [basalt], red; clay	64	113
Basalt, vesicular; clay	13	126
Basalt, fractured	194	320
Basalt, fractured; clay, water-bearing	20	340
Basalt, gray	15	355
4/17-19G2. C. Fridley. Altitude about 2050 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 47 ft.		
Clay, brown	4	4
Shale [clay]; boulders	8	12
Clay, brown	22	34
Basalt, fractured, gray	45	79
Clay, brown	16	95
Basalt, gray	6	101
Shale [clay], brown	21	122
Basalt, gray	24	146
Shale [clay], brown	21	167
Basalt, gray	5	172
Shale [clay], brown	13	185

(continued)

Material	Thickness (ft)	Depth (ft)
4/17-19G2. Continued.		
Basalt, gray	22	207
Basalt, fractured; clay	29	236
Basalt, gray	12	248
Basalt, fractured, water-bearing	3	251
4/17-22N1. Fenton Bros. Altitude about 2000 ft. Drilled by Ira Morrison, date unknown. Cased to 41 ft.		
Clay	39	39
Porous rock [basalt, vesicular?]	2	41
4/17-29P1. Sheryl Willis. Altitude about 1960 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 78 ft.		
Topsoil	2	2
Clay	6	8
Basalt, hard	17	25
Basalt, fractured	39	64
Clay	13	77
Conglomerate [gravel], water-bearing	8	85
Basalt	7	92
Lava [basalt], clay	15	107
Shale [clay]	33	140
Basalt	80	220
Basalt; clay, water-bearing	44	264
Basalt	38	302
Claystone, black	6	308
Basalt	10	318
Basalt	187	505
Basalt, fractured	7	512
Basalt	13	525
Basalt	13	538
4/17-30A1. Wayne Hoctor. Altitude about 2010 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 100 ft.		
Clay, brown	98	98

(continued)

Material	Thickness (ft)	Depth (ft)
4/17-30A1. Continued.		
Basalt, gray	160	258
Basalt, vesicular, fractured, gray	28	286
Basalt, gray	117	403
Basalt, vesicular, brown, water-bearing	9	412
Basalt, vesicular, gray	18	430
4/17-30R1. Sheryl Willis. Altitude about 1930 ft. Drilled by L & L Drilling Co., Inc., 1972. Cased to 55 ft.		
Topsoil	5	5
Boulders; gravel	50	55
Basalt, gray	115	170
Basalt, fractured	12	182
Basalt, hard, gray	232	414
Basalt, black	35	449
Basalt, hard, gray	51	500
Basalt, medium, gray	26	526
Basalt, hard, gray	121	647
Clay, green	27	674
Basalt, fractured, water-bearing	10	684
Basalt, black	11	695
Basalt, hard, gray	5	700
4/17-31M1. T. V. Wilkins. Altitude about 1865 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 18 ft.		
Clay	6	6
Clay	6	12
Shale [clay]	2	14
Basalt, hard	158	172
Basalt, fractured; clay, water-bearing	5	177
4/17-32P1. Emmett Hoctor. Altitude about 1920 ft. Drilled by Gorge Contractors, Inc., 1970. Cased to 40 ft.		
Topsoil	2	2
Shale [clay], brown	8	10

(continued)

Material	Thickness (ft)	Depth (ft)
4/17-32P1. Continued.		
Basalt, gray	11	21
Basalt, fractured, brown	11	32
Claystone, brown	3	35
Clay, green	5	40
Basalt, vesicular, gray, water-bearing	32	72
Claystone, brown	1	73
Basalt, gray	151	224
Basalt, vesicular, fractured, water-bearing	3	227
Basalt, gray	1	228
4/18-29G1. Raymond R. Brack. Altitude about 1680 ft. Drilled by Reibe Well Drilling, 1968. Cased to 138 ft.		
Clay, sandy	2	2
Clay; boulders	9	11
Clay, brown; gravel, water-bearing	72	83
Basalt, fractured, gray	67	150
Clay, yellow; sand; gravel, water-bearing	30	180
Basalt, very hard, gray	40	220
Clay, brown; basalt, fractured, water-bearing	57	277
4/20-3L1. Harland Berk. Altitude about 2205 ft. Drilled by Gib King, 1969. Cased to 182 ft.		
Topsoil	4	4
Conglomerate [gravel]	2	6
Rock [basalt], brown; clay	10	16
Rock [basalt], fractured	16	32
Boulders	70	102
Clay	8	110
Sandstone, soft	10	120
Sand	20	140
Sand; gravel	8	148
Clay	21	169

(continued)

Material	Thickness (ft)	Depth (ft)
4/20-3L1. Continued.		
Clay; rock [basalt]	2	171
Sandstone, soft, water-bearing	6	177
Rock [basalt], fractured	5	182
Rock [basalt]	20	202
Rock [basalt], water-bearing	72	274
4/20-4D1. Sam Berk. Altitude about 2274 ft. Drilled by Gib King, 1969. Cased to 35 ft.		
Soil	3	3
Boulders	27	30
Rock [basalt]	72	102
Rock [basalt], soft, brown	11	113
Sandstone, soft	30	143
Clay, yellow	17	160
Clay, blue, tan, brown, gray	145	305
Rock [basalt], broken; shale [clay]	30	335
4/20-18Q1. Bert Wilkins. Altitude about 2440 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 19 ft.		
Topsoil	2	2
Clay, brown	10	12
Basalt, vesicular	33	45
Basalt, fractured	62	107
Basalt, fractured; clay	12	119
Clay, soft, yellow	16	135
Sand; clay, water-bearing, 10 gpm	39	174
Claystone, soft, yellow	18	192
Claystone, soft, bluish-green	13	205
Clay, gray	48	253
4/20-20Q1. Bob Powers. Altitude about 2180 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 119 ft.		
Clay, brown and blue	110	110
Basalt, vesicular, fractured, gray, water-bearing	37	147
Basalt, gray	28	175

Material	Thickness (ft)	Depth (ft)
5/10-35F1. Orlis Hale. Altitude about 960 ft. Drilled by Hansen Drilling Co., Inc., 1973. Cased to 150 ft.		
Topsoil	3	3
Rock [basalt], broken	15	18
Rock [basalt], fractured, medium	20	38
Rock [basalt], decomposed	17	55
Rock [basalt], decomposed; clay	36	91
Rock [basalt], broken	3	94
Rock [basalt]	8	102
Rock [basalt], fractured	30	132
Rock [basalt], decomposed; sand, water-bearing	23	155
5/11-31R1. Mt. Adams Orchard Company. Altitude about 1360 ft. Drilled by Hansen Drilling Co., Inc., 1965. Cased to 333 ft.		
Boulders; soil; clay	39	39
Basalt, fractured	62	101
Rock [basalt], red; clay	7	108
Basalt, hard, gray	8	116
Basalt, soft, black	20	136
Basalt, fractured	81	217
Rock [basalt], red; clay; gravel	7	224
Clay, red, brown, white; gravel	106	330
Basalt, fractured	12	342
Basalt, very soft	26	368
Basalt, fractured, hard	7	375
Clay, yellow and brown	15	390
Basalt, fractured	104	494
Basalt, very hard	37	531
Basalt, fractured	69	600
5/11-32N1. Hopp-DeWilde Mill Co. Altitude about 1360 ft. Drilled by George L. Zent, 1947. Cased to 23 ft.		
Soil	4	4
Clay	13	17

(continued)

Material	Thickness (ft)	Depth (ft)
5/11-32N1. Continued.		
Lava [basalt]	30	47
Cinders, red, water-bearing	8	55
Lava [basalt], water-bearing	12	67
Cinders [basalt], red, water-bearing	8	75
5/12-18E1. Darrell Lee. Altitude about 1860 ft. Drilled by 4 Star Drilling Co., 1969. Cased to 160 ft.		
Sand; gravel; boulders	145	145
Sand; gravel; boulders, water-bearing	15	160
5/13-26D1. Don Roane. Altitude about 2330 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 49 ft.		
Clay, brown	8	8
Shale [clay], brown; basalt, fractured	37	45
Basalt, gray	70	115
Basalt, fractured, black; clay, water-bearing	11	126
Basalt, gray	4	130
5/14-6E1. St. Regis Paper Co. Altitude about 1180 ft. Drilled by R. J. Strasser, 1954. Cased to 297 ft.		
Clay; rock [basalt], broken, black	47	47
Rock [basalt], hard, black	13	60
Rock [basalt], brown	3	63
Rock [basalt], black	12	75
Basalt, gray	21	96
Rock [basalt], black, porous	14	110
Rock [basalt], broken, black	58	168
Rock [basalt], caving, black	4	172
Rock [basalt], black	65	237

(continued)

Material	Thickness (ft)	Depth (ft)
5/14-6E1. Continued.		
Clay, red	12	249
Rock [basalt], broken, brown; clay	13	262
Rock [basalt], broken, water-bearing	32	294
Rock [basalt], broken; clay; gravel	32	326
5/14-21A1. Wash. Dept. of Game. Altitude about 1870 ft. Drilled by Hansen Drilling Co., 1964. Cased to 21 ft.		
Topsoil	2	2
Basalt, hard, trace of water	12	14
Basalt, hard, gray-black	35	49
Basalt, hard, black, trace of water	9	58
Basalt, medium-hard, gray-black	12	70
Basalt, hard, black	10	80
Basalt, very hard, blue-black	68.5	148.5
Basalt, porous, gray, trace of water	21.5	170
Basalt, gray, trace of water	21	191
Shale [clay], blue	3	194
Basalt, medium hard, gray	21	215
Basalt, hard, blue	3	218
Basalt, medium, gray-black, trace of water	31	249
Basalt, medium, gray	12	261
Basalt, medium hard, gray-black, trace of water	5	266
Basalt, medium, gray	12	278
Basalt, gray-black, trace of water	52	330
Basalt, gray, greenish-brown, water-bearing, 2 1/2 gpm	10	340
Basalt, black	4	344
Pumice-ash, black [clay?], water-bearing, 4 gpm	25	369
Basalt, medium hard, red	1	370
Basalt, gray-black, water-bearing 9 gpm	15	385

Material	Thickness (ft)	Depth (ft)
5/14-22K1. Ralph C. & Ruth M. McKinney. Altitude about 1830 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 90 ft.		
Clay	4	4
Clay, brown	5	9
Shale [clay], gray	13	22
Basalt, hard, gray	17	39
Basalt, fractured; clay	37	76
Conglomerate [gravel]; clay; sand	14	90
Basalt, vesicular, brown	14	104
Basalt, gray	34	138
Basalt, vesicular, fractured, gray, water-bearing	26	164
Basalt, fractured, gray-brown	26	190
5/14-26L2. Victor Bryant. Altitude about 1720 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 132 ft.		
Clay; boulders	8	8
Basalt, gray	90	98
Clay, green and brown	29	127
Basalt, vesicular, gray	6	133
Basalt, gray	9	142
Basalt, vesicular, brown	6	148
Basalt, gray	25	173
Basalt, vesicular, gray	6	179
Basalt, gray	3	182
5/14-36R1. Ted Richardson. Altiutde about 1600 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 4 ft.		
Clay, brown	5	5
Boulders	11	16
Clay, brown	34	50
Basalt, vesicular, gray; clay	5	55
Basalt, vesicular, gray	9	64
Basalt, vesicular, gray; clay	9	73

(continued)

Material	Thickness (ft)	Depth (ft)
5/14-36R1. Continued.		
Basalt, fractured, gray	4	77
Basalt, gray	10	87
Clay, brown	5	92
Cinder [basalt]; clay	8	100
Basalt, vesicular; clay	7	107
Clay, brown	13	120
Cinder [basalt]; shale [clay]	7	127
Basalt, gray	4	131
Cinder [basalt]; shale [clay]	5	136
Clay, sandy, brown	3	139
Sandstone, brown; gravel	12	151
Sandstone, gray; clay	8	159
Shale [clay]; basalt, fractured	4	163
Basalt, fractured, gray	6	169
Basalt, gray	143	312
Basalt, fractured, gray; sandstone, water-bearing	5	317
Sandstone, green, water-bearing	3	320
Clay, sandy, green, water-bearing	2	322
Sand, fine, green, water-bearing	18	340
5/15-10K1. Fred Linton. Altitude about 2410 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 86 ft.		
Clay, green	8	8
Gravel	8	16
Clay, brown	65	81
Basalt, fractured; clay	41	122
Cinder [basalt], red	66	188
Basalt, vesicular	117	305
Basalt, vesicular, brown, water-bearing	5	310
Basalt, vesicular, gray	27	337
Clay, gray	3	340

Material	Thickness (ft)	Depth (ft)
5/15-19P1. Otis M. Prescott. Altitude about 2000 ft. Drilled by M. R. Drilling Co., 1961. Cased to 28 ft.		
Soil; clay	25	25
Cinder [basalt]	5	30
Basalt, very hard, gray	95	125
Cinder [basalt], brown; clay	20	145
Basalt, vesicular, brown; gravel	3	148
Cinder [basalt], brown; clay	15	163
Basalt, gray	3	166
Cinder [basalt], red; clay	21	187
5/15-22H1. Larry Boardman. Altitude about 2080 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 25 ft.		
Clay; gravel	50	50
Basalt, gray	135	185
Clay; basalt	40	225
Basalt, vesicular; clay	47	272
Sandstone, brown, water-bearing	33	305
Basalt, vesicular	196	501
Clay, brown	11	512
Basalt, vesicular, gray	23	535
5/15-25L2. Lloyd Case. Altitude about 2160 ft. Drilled by Riebe Drilling Co., 1968.		
Clay, hard	8	8
Cinder [basalt]	20	28
Basalt, very hard, gray	25	53
Cinder [basalt], red	8	61
Basalt, gray	6	67
Cinder [basalt]	7	74
Basalt, very hard, gray	64	138
Basalt, vesicular and fractured	252	390
Basalt, gray	20	410
Cinder [basalt]	80	490
Basalt, very hard, gray	20	510
Cinder [basalt], red	65	575
Basalt, gray	15	590

(continued)

Material	Thickness (ft)	Depth (ft)
5/15-25L2. Continued.		
Basalt, broken, vesicular	15	605
Basalt, very hard, gray	20	625
Basalt, broken	10	635
Basalt, very hard, gray	23	658
Basalt, broken	51	709
Basalt, broken, gray	23	732
Basalt, fractured, gray	40	772
Basalt, gray	8	780
Basalt, broken, black, trace of water	17	797
Basalt, very hard, gray	13	810
Basalt, broken, trace of water	8	818
Basalt, very hard, gray	14	832
Basalt, broken, black	17	849
Basalt, broken, black; shale [clay]	15	864
Basalt, very hard, gray	24	888
Basalt, black and gray	14	902
Basalt, very hard, fractured, gray	60	962
Clay, yellow; sand; gravel, water-bearing	8	970
Conglomerate [gravel], water-bearing	13	983
Basalt, very hard, gray	7	990
5/15-31J1. Paul Schilling. Altitude about 1720 ft. Drilled by O'Leary Well Drilling, Inc., 1975. Cased to 53 ft.		
Clay, brown	3	3
Basalt	20	23
Clay; basalt	25	48
Basalt, vesicular, red; clay	238	286
Basalt, vesicular, gray and brown, some water	16	302
Basalt	48	350
Basalt, vesicular, brown; clay, some water	12	362
Basalt, gray	40	402
Basalt, vesicular, brown; clay, some water	14	416
Basalt, fractured, some water	156	572

(continued)

Material	Thickness (ft)	Depth (ft)
5/15-31J1. Continued.		
Basalt, gray	4	576
Basalt, fractured; clay	11	587
Basalt, fractured, gray	53	640
Basalt, vesicular, black, water-bearing	5	645
5/15-32Q1. Mike Counts. Altitude about 1720 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 61 ft.		
Clay, brown	2	2
Clay, brown	8	10
Basalt, gray	15	25
Clay; gravel	32	57
Basalt, gray	7	64
Cinders [basalt]; clay	16	80
Basalt, vesicular; clay	14	94
Basalt, vesicular, gray	4	98
Basalt, fractured, gray	13	111
Basalt, vesicular, gray	8	119
Basalt, fractured, brown	33	152
Basalt, fractured, gray	16	168
Basalt, gray	20	188
Basalt, fractured, gray	9	197
Basalt, fractured, vesicular; clay	10	207
Clay, green	11	218
Sandstone; clay; gravel	34	252
Sand, green and blue	13	265
5/16-6D1. George Wright. Altitude about 3400 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 37 ft.		
Clay, brown	2	2
Boulder	2	4
Clay, brown	4	8
Basalt, gray	16	24
Clay, red	3	27
Cinder [basalt], red	2	29

(continued)

Material	Thickness (ft)	Depth (ft)
5/16-6D1. Continued.		
Basalt, vesicular, gray; clay	6	35
Sandstone, gray	5	40
Basalt, vesicular, gray	8	48
Basalt, vesicular, gray; clay	4	52
Basalt, vesicular, gray	48	100
Basalt, fractured, gray; sand	14	114
Basalt, vesicular, gray; clay	16	130
Basalt, vesicular, gray; clay	30	160
Basalt, gray	8	168
Cinder [basalt]; clay	7	175
Basalt, vesicular, brown	9	184
Sandstone, brown	10	194
Basalt, gray	20	214
Basalt, vesicular, brown	30	244
Basalt, vesicular, brown; clay	6	250
Cinder [basalt]; clay	6	256
Sandstone, brown	19	275
Basalt, gray	5	280
Sandstone, gray	11	291
Sandstone, brown; basalt, vesicular	4	295
Sandstone, white, water-bearing	13	308
Sandstone, brown, water-bearing	2	310
5/16-25Q1. Department of Health, Education and Welfare. Altitude about 2120 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 221 ft.		
Clay, brown	4	4
Conglomerate [gravel]	3	7
Basalt, fractured, gray	24	31
Clay, brown	4	35
Basalt, vesicular, gray	18	53
Basalt, gray	62	115
Basalt, fractured, gray; shale [clay]	8	123
Basalt, vesicular, black	12	135
Basalt, gray	82	217
Basalt, vesicular; clay	20	237
Basalt, gray	11	248

Material	Thickness (ft)	Depth (ft)
5/16-27M1. Paul Middleton. Altitude about 2200 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 87 ft.		
Clay, brown	9	9
Basalt, broken; clay	73	82
Basalt, fractured	32	114
Cinder [basalt], red	12	126
Basalt, vesicular	56	182
Basalt, fractured and vesicular, red	142	324
Basalt, vesicular, red	7	331
Clay; sand	29	360
Gravel; sand	21	381
5/16-28R1. Mike Austin. Altitude about 2160 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 32 ft.		
Clay, brown	2	2
Boulders	21	23
Clay, red	4	27
Basalt, vesicular, brown	5	32
Basalt, brown	10	42
Basalt, gray	6	48
Basalt, vesicular, gray; clay	9	57
Basalt, vesicular, gray; clay	25	82
Basalt, vesicular, gray	3	85
Cinder [basalt, vesicular]	3	88
Basalt, vesicular, brown	3	91
Basalt, vesicular; clay	9	100
Basalt, vesicular, brown	8	108
Basalt, vesicular, gray; clay	26	134
Cinder [basalt, vesicular]	13	147
Basalt, fractured, gray	49	196
Cinder [basalt], red; clay; sand	15	211
Basalt, vesicular, gray; clay	12	223
Basalt, gray	14	237
Cinder [basalt]; clay	4	241
Sandstone, brown	9	250
Basalt, gray	38	288

(continued)

Material	Thickness (ft)	Depth (ft)
5/16-28R1. Continued.		
Claystone, red	5	293
Basalt, vesicular, gray; clay	3	296
Sandstone, gray	4	300
Basalt, vesicular, gray	8	308
Sandstone, brown	2	310
5/16-31K1. R. Scheradella. Altitude about 1940 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 72 ft.		
Clay, brown	8	8
Clay, brown; basalt, vesicular	9	17
Basalt, vesicular; clay	7	24
Clay, brown	2	26
Basalt, vesicular, gray	4	30
Basalt, vesicular, gray; clay	11	41
Cinders [basalt], red	11	52
Basalt, vesicular, gray	16	68
Basalt, fractured	1	69
Basalt, vesicular, hard, gray	4	73
Basalt, gray	12	85
Basalt, fractured, gray	18	103
Basalt, gray	10	113
Basalt, vesicular, fractured, gray	8	121
Basalt, vesicular, gray	30	151
Cinders [basalt], red	11	162
Basalt, fractured, vesicular, gray	64	226
Basalt, vesicular, gray, water-bearing	24	250
5/16-33D1. United Homes Corp. Altitude about 2160 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 54 ft.		
Clay, brown	5	5
Basalt; boulders	3	8
Clay, brown	10	18
Basalt, vesicular	34	52
Basalt, vesicular	121	173

(continued)

Material	Thickness (ft)	Depth (ft)
5/16-33D1. Continued.		
Basalt, gray	27	200
Cinder [basalt], hard, red	7	207
Basalt, vesicular, hard	78	285
Cinder [basalt], hard, red	19	304
Basalt, hard, gray	21	325
Basalt, fractured; clay	55	380
Basalt, vesicular, gray	71	451
Claystone, brown	4	455
Sandstone; clay, water-bearing	30	485
Claystone, brown	5	490

5/16-34D1. Norm Evans. Altitude about 2120 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 75 ft.

Material	Thickness (ft)	Depth (ft)
Clay, brown	5	5
Clay; boulders	18	23
Clay, black	4	27
Clay, brown	8	35
Sandstone, gray	6	41
Basalt, vesicular, gray; clay	14	55
Sandstone, gray	6	61
Clay, brown	5	66
Sandstone, gray; clay	8	74
Sandstone, gray	34	108
Sandstone	109	217
Basalt, vesicular, gray; clay	3	220
Basalt, vesicular, gray	10	230
Sandstone, gray	15	245
Basalt, vesicular; clay	2	247
Clay, red	3	250
Sandstone, brown	28	278
Basalt, gray	78	356
Cinder [basalt]; clay	8	364
Sandstone, brown	6	370
Sandstone, hard, gray	5	375
Sandstone, brown	8	383
Clay, silty, red	2	385

5/17-3L1. Brooks State Park. Altitude about 2600 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 91 ft.

Material	Thickness (ft)	Depth (ft)
Topsoil	2	2
Clay, red	28	30
Gravel, coarse; boulders; clay	4	34
Clay, red	18	52
Clay, yellow	38	90
Basalt, vesicular, soft; clay, water-bearing, 50 gpm	4	94
Sandstone, soft, brown	11	105
Sandstone, soft, blue	10	115

5/17-3N1. Dr. G. J. Timmer. Altitude about 2500 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 143 ft.

Material	Thickness (ft)	Depth (ft)
Clay, brown	6	6
Gravel; clay, water-bearing	17	23
Clay, brown	23	46
Clay, white	6	52
Sandstone, white; gravel	31	83
Sandstone, white; clay	12	95
Sandstone, white; clay, water-bearing	12	107
Clay, green	33	140
Sandstone, green and white	16	156
Clay, green	4	160

5/17-20N2. Addison Lane. Altitude about 2440 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 19 ft.

Material	Thickness (ft)	Depth (ft)
Clay, brown	2	2
Basalt, gray	106	108
Basalt; shale [clay]	56	164
Basalt, vesicular, gray	142	306
Claystone, brown	6	312
Basalt, fractured, gray	31	343
Basalt, gray	210	553

(continued)

Material	Thickness (ft)	Depth (ft)
5/17-20N2. Continued.		
Basalt, fractured, vesicular	19	572
Basalt, hard, gray	128	700
5/17-23G1. The Trans West Company. Altitude about 2560 ft. Drilled by O'Leary Well Drilling, Inc., 1970. Cased to 54 ft.		
Clay, sandy, brown	2	2
Clay, brown	7	9
Sandstone; clay	2	11
Basalt, fractured	27	38
Clay, white	3	41
Basalt, fractured; clay	9	50
Basalt, vesicular, gray and brown, water-bearing	13	63
Basalt, fractured	51	114
Basalt, gray	162	276
Basalt, vesicular; clay	20	296
Basalt, fractured	64	360
Basalt, gray	10	370
5/17-31K1. Darryl Sines. Altitude about 1920 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 99 ft.		
Clay, brown	3	3
Basalt, fractured, gray; clay	8	11
Clay, brown	7	18
Clay, brown	38	56
Shale [clay], gray	14	70
Basalt, fractured, gray; shale [clay]	17	87
Shale [clay], brown	13	100
Basalt, fractured, gray; shale [clay]	9	109
Basalt, fractured, gray	3	112
Basalt, fractured, gray	3	115
5/17-32D1. The Trans West Company. Altitude about 2000 ft. Drilled by O'Leary Well Drilling, Inc., 1972. Cased to 19 ft.		
Clay, brown	4	4
Clay; boulders	8	12
Boulders	6	18
Basalt, fractured, vesicular, water-bearing	187	205
5/20-9A1. H. Hooker. Altitude about 2780 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 19 ft.		
Clay, brown	3	3
Basalt, gray	16	19
Basalt, brown	12	31
Basalt, fractured, brown	13	44
Basalt, gray	36	80
Basalt, fractured, gray, water-bearing	16	96
Basalt, gray	19	115
Sandstone; clay	9	124
Sandstone, brown, water-bearing	21	145
5/20-28B1. Berk Brothers, Inc. Altitude about 2490 ft. Drilled by Gib King Well Drilling, 1969. Cased to 146 ft.		
Soil	3	3
Rock [basalt], brown	17	20
Basalt, gray	78.5	98.5
Clay; gravel	16.5	115
Sandstone, soft	23	138
Gravel	6	144
Rock [basalt], black	24	168
Rock [basalt], broken, black, water-bearing	8	176
Rock [basalt], black	18	194
Rock [basalt], gray	18	212
Rock [basalt], gray; clay	3	215

(continued)

Material	Thickness (ft)	Depth (ft)
5/20-28B1. Continued		
Rock [basalt], gray	27	242
Rock [basalt], gray, water-bearing	21	263
Shale [clay], green	23	286
Shale [clay], green	12	298
Rock [basalt], soft, porous; clay, water-bearing	13	311
Rock [basalt], gray	19	330
5/20-28R1. Berk Brothers Inc. Altitude about 2400 ft. Drilled by Gib King Well Drilling, 1969. Cased to 110 ft.		
Soil	3	3
Boulders, trace of water	91	94
Shale [clay]	25	119
Clay	6	125
Clay; gravel	20	145
Rock [basalt]	43	188
Rock [basalt]; clay	11	199
Rock [basalt]	44	243
Rock [basalt], water-bearing	30	273
Clay	33	306
Shale [clay], green, water-bearing	5	311
Rock [basalt]	10	321
Rock [basalt]; shale [clay]	14	335
Basalt	65	400
Rock [basalt], broken, water-bearing	8	408
[Unknown]	2	410
5/21-3J1. Tom Gray. Altitude about 2378 ft. Driller unknown, 1968.		
Soil	2	2
Shale [clay]	17	19
Basalt	31	50
Shale [clay]	8	58
Basalt	47	105
Cinders [basalt]	1	106

(continued)

Material	Thickness (ft)	Depth (ft)
5/21-3J1. Continued.		
Shale [clay]	4	110
Basalt, fractured	93	203
Basalt, vesicular, water-bearing	4	207
5/22-27A2. A. M. Matsen. Altitude about 1100 ft. Drilled by Moore and Anderson, 1971. Cased to 144 ft.		
Topsoil	3	3
Basalt, fractured	6	9
Basalt, fractured	3	12
Rock [basalt], gray	42	54
Clay	87	141
Rock [basalt], gray	16	157
Rock [basalt], gray, SWL 42'	113	270
Basalt, fractured	9	279
Clay, green	70	349
Rock [basalt], black, water-bearing, SWL 62'	15	364
Rock [basalt], gray, SWL 50'	4	368
Rock [basalt], black	216	584
Clay, green	34	618
Rock [basalt], black, SWL 53'	36	654
Rock [basalt], gray, SWL 55'	19	673
Basalt, black, SWL 150'	11	684
Rock [basalt], gray, SWL 30'	69	753
Rock [basalt], black, water-bearing, SWL 30'	14	767
Rock [basalt], gray	39	806
Rock [basalt], black, water-bearing, SWL 27'	124	930
Rock [basalt], gray	15	945
Rock [basalt], brown, SWL 25'	13	958
Rock [basalt], gray, SWL 27'	103	1061
5/23-3A2. Robert J. Peterson. Altitude about 720 ft. Drilled by Crowe Drilling Co., 1968. Cased to 79 ft.		
Topsoil; gravel	50	50
Clay, yellow	5	55

(continued)

Material	Thickness (ft)	Depth (ft)
5/23-3A2. Continued.		
Basalt, black	15	70
Basalt, vesicular, water-bearing	10	80
Basalt, gray	155	235
Basalt, fractured	5	240
Clay, blue	42	282
Sandstone, white	16	298
Basalt; clay	17	315
Basalt, porous, black	6	321
Basalt; clay	51	372
Cinders [basalt], red	7	379
Basalt, fractured, black	33	412
Sandstone, white	4	416
Basalt, black	4	420
Basalt, hard, gray	436	856
Basalt, black	15	871
Lava [basalt], porous, black	14	885
Clay, blue	90	975
5/23-3L1. Robert J. Petersen. Altitude about 820 ft. Drilled by Elmer H. Altman, 1956. Cased to 132 ft.		
Soil	1	1
Rock [basalt]	57	58
Clay; boulders	9	67
Clay; gravel	13	80
Clay, gray	17	97
Clay, blue-gray	28	125
Rock [basalt], broken, black	7	132
Rock [basalt], black	10	142
Rock [basalt], very hard	5	147
Rock [basalt], broken	3	150
5/23-35C1. Mercer Bros. Altitude about 635 ft. Driller unknown, 1975. Cased to 166 ft.		
Sand	15	15
Conglomerate [gravel]	13	28
Basalt	10	38
Clay, brown	4	42

(continued)

Material	Thickness (ft)	Depth (ft)
5/23-35C1. Continued.		
Basalt	78	120
Sand, fine	45	165
Lava [basalt], gray	45	210
Basalt	4	214
Basalt, vesicular, water-bearing	52	266
6/10-25M1. Walt Armstrong. Altitude about 1730 ft. Drilled by Triangle Drilling, 1974. Cased to 224 ft.		
Soil	9	9
Basalt, hard, gray	16	25
Basalt, red	35	60
Basalt, hard, gray	12	72
Basalt, red	118	190
Basalt, vesicular, hard, gray	34	224
6/12-2E1. D. Lloyd. Altitude about 1950 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 22 ft.		
Clay, sandy, brown	5	5
Clay, brown	3	8
Basalt, vesicular, fractured, red; clay	14	22
6/12-3M3. Frank Ward. Altitude about 1981 ft. Drilled by Swift Water Well Drilling, 1973. Cased to 54 ft.		
Sand; clay; gravel	3	3
Sand; gravel	9	12
Sand; gravel	30	42
Sand; gravel	9	51
Basalt, hard, black	11	62
Basalt, hard, light gray	14	76
Basalt, fractured, gray	6	82
Basalt, fractured, water-bearing	14	96

Material	Thickness (ft)	Depth (ft)
6/12-10K1. Glenwood School. Altitude about 1900 ft. Drilled by Albert Kastl.		
Clay; sand; gravel	35	35
Basalt, fractured	97	132
Pumice [basalt], soft, red	18	150
Pumice [basalt], soft, red	75	225
Basalt, soft, gray	10	235
Basalt, soft, black	10	245
Basalt	10	255
6/12-22L1. Paul Ladiges. Altitude about 1833 ft. Drilled by Charles Jeter. Cased to 84 ft.		
Clay; sand	84	84
Basalt	156	240
Gravel; sand, water-bearing	20	260
6/12-27D1. E. W. Ziegler. Altitude about 1828 ft. Drilled by Jack L. Harrison. Cased to 47 ft.		
Shale [clay], soft	47	47
Basalt, hard	153	200
Lava rock [basalt]	45	245
Sand; gravel, water-bearing	2	247
6/20-4M1. J. C. Ingram. Altitude about 3260 ft. Drilled by O'Leary Well Drilling, Inc., 1971. Cased to 35 ft.		
Clay, brown	10	10
Clay, brown	8	18
Clay, brown, water-bearing	9	27
Shale [clay], hard, brown	7	34
Basalt, fractured, gray	8	42
Clay, brown	1	43
Basalt, fractured	12	55
Shale [clay], brown	7	62
Clay, brown and green	6	68
Clay, green and brown	6	74

(continued)

Material	Thickness (ft)	Depth (ft)
6/20-4M1. Continued.		
Basalt, fractured	15	89
Basalt, vesicular, gray; clay, water-bearing	14	103
Basalt, fractured	27	130
6/20-13H2. F. Naught. Altitude about 2860 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 25 ft.		
Clay	3	3
Lava [basalt]; clay	2	5
Basalt, hard, brown	3	8
Clay, brown	11	19
Basalt, red; clay	2	21
Clay	3	24
Basalt	2	26
Basalt, fractured, water-bearing	2	28
Basalt, blue	15	43
Basalt, fractured; clay	37	80
Basalt, gray	25	105
Basalt, fractured; clay	46	151
Basalt, vesicular	4	155
Basalt	9	164
Basalt, fractured, blue	14	178
Basalt, blue	126	304
Basalt, gray	68	372
Sandstone, water-bearing, 58 gpm	3	375
6/20-21A4. Laurence D. Whitmore. Altitude about 3030 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 19 ft.		
Clay, brown	15	15
Basalt, gray	119	134
Claystone, brown, black and gray	37	171
Basalt, black	42	213
Basalt, fractured, vesicular; shale [clay], water-bearing	22	235

Material	Thickness (ft)	Depth (ft)
6/20-22D2. Laurence D. Whitmore. Altitude about 3002 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 22 ft.		
Clay, brown	9	9
Basalt, gray	17	26
Basalt, vesicular, fractured, brown	15	41
Basalt, gray	92	133
Basalt, vesicular; shale [clay], brown, water-bearing	37	170
Basalt, gray	5	175
6/20-30M1. Matsen Land & Livestock. Altitude about 3120 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 19 ft.		
Clay	16	16
Basalt, brown and gray	107	123
Basalt, fractured, gray; clay	4	127
Basalt, vesicular	29	156
Claystone, white	13	169
Basalt, vesicular, black, water-bearing	7	176
Claystone, brown	1	177
Basalt, vesicular	13	190
6/20-30Q2. Chet Shannon. Altitude about 3040 ft. Drilled by O'Leary Well Drilling, Inc., 1974. Cased to 63 ft.		
Clay; sand; gravel	22	22
Claystone, brown	36	58
Basalt, vesicular; clay, water-bearing	27	85
6/20-36B1. Howard Coleman. Altitude about 2780 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 7 ft.		
Topsoil	5	5
Basalt, vesicular	10	15
Shale [clay], brown	5	20

(continued)

Material	Thickness (ft)	Depth (ft)
6/20-36B1. Continued.		
Shale [clay], red	7	27
Basalt, brown and gray	11	38
Basalt, gray	24	62
Basalt, brown	7	69
Basalt, gray	21	90
Basalt, brown	4	94
Basalt, gray	22	116
Claystone, red and yellow	3	119
Claystone, red; basalt	7	126
Basalt	4	130
Basalt, fractured, blue	10	140
Basalt, fractured, brown	3	143
Basalt, fractured, blue	25	168
Basalt, gray	167	335
Basalt, gray	1	336
Claystone, green and blue	4	340
Claystone, blue and green	4	344
Claystone, green and blue	21	365
Basalt, vesicular, red; sand; gravel	10	375
Basalt, fractured, gray	15	390
Sandstone, hard, gray	18	408
6/21-15L2. L. Giles. Altitude about 2580 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 19 ft.		
Clay, sandy, brown	8	8
Basalt, fractured, black; clay	199	207
Basalt, vesicular, fractured, water-bearing	13	220
6/21-19Q1. Bud Matsen. Altitude about 2787 ft. Driller unknown, 1974. Cased to 53 ft.		
Clay; boulders	48	48
Basalt, gray	290	338
Basalt, gray; clay	43	381
Basalt, vesicular, brown	319	700
Basalt, vesicular; clay	6	706

(continued)

Material	Thickness (ft)	Depth (ft)
6/21-19Q1. Continued.		
Basalt, gray	145	851
Basalt, fractured, black	5	856
Basalt	9	865
6/21-28D1. Elwood Brown. Altitude about 2670 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 19 ft.		
Clay, brown	4	4
Basalt, gray; shale [clay]	103	107
Basalt, fractured, brown	16	123
Basalt, gray	170	293
Basalt, fractured, gray; clay	17	310
6/21-31F3. Howard Coleman. Altitude about 2741 ft. Drilled by Gorge Contractors, Inc., 1969. Cased to 5 ft.		
Topsoil	3	3
Basalt, gray	75	78
Shale [clay], brown	2	80
Basalt, black	32	112
Basalt; clay	65	177
Basalt; clay	25	202
Basalt, porous	6	208
Basalt, fractured; clay	26	234
Basalt, gray	6	240
Basalt, porous	17	257
Basalt, black	54	311
Claystone, blue and gray	40	351
Basalt, black; clay	7	358
Shale [clay], brown	8	366
Basalt; clay	19	385
Claystone, blue and green	7	392
Basalt, gray	23	415
6/21-35P1. Tom Gray. Altitude about 2360 ft. Drilled by O'Leary Well Drilling, Inc., 1973. Cased to 78 ft.		
Clay	67	67

(continued)

Material	Thickness (ft)	Depth (ft)
6/21-35P1. Continued.		
Basalt, fractured, vesicular, gray	12	79
Basalt, gray	61	140
Clay	4	144
Basalt, fractured, gray	156	300
6/23-11Q1. Robert Andrews. Altitude about 1020 ft. Drilled by Moore and Anderson, 1957. Cased to 150 ft.		
Topsoil	7	7
Gravel	69	76
Clay, red	15	91
Rock [basalt], brown	55	146
Basalt, gray	8	154
Rock [basalt?], light yellow, water-bearing	54	208
6/23-15H1. Robert Andrews. Altitude about 1050 ft. Drilled by Moore and Anderson, 1967. Cased to 128 ft.		
Topsoil	3	3
Clay	2	5
Rock [basalt]	3	8
Rock [basalt], hard	5	13
Rock [basalt], brown	9	22
Rock [basalt], brown with black	6	28
Rock [basalt], hard, gray	2	30
Rock [basalt], gray	22	52
Rock [basalt], greenish-brown	14	66
Rock [basalt], brown	2	68
Rock [basalt], brown	2	70
Rock [basalt], brownish-black	12	82
Clay, gray	29	111
Rock [basalt], black	2	113
Rock [basalt], black and gray	25	138
Rock [basalt], gray	22	160
Rock [basalt], gray	93	253
Rock [basalt], hard, gray	5	258
Rock [basalt], gray	4	262
Basalt, gray	24	286

(continued)

Material	Thickness (ft)	Depth (ft)
6/23-15H1. Continued.		
Rock [basalt]; clay	7	293
Clay, yellow	10	303
Rock [basalt], brown-gray	10	313
Rock [basalt], brown, SWL 101'	38	351
Rock [basalt], hard, blackish-brown	11	362
Rock [basalt], gray	6	368
Rock [basalt], gray-brown	9	377
Rock [basalt], blackish-brown, water-bearing, SWL 103'	28	405
Rock [basalt], gray-black	33	438
Rock [basalt], dark gray	44	482
Rock [basalt], gray	8	490
Rock [basalt]; clay	47	537
Clay, green, SWL 103'	22	559
Rock [basalt], black	15	574
Rock [basalt], blackish-brown, SWL 77'	9	583
Rock [basalt], brown, SWL 45'	5	588
Rock [basalt], brownish-black, SWL 37'	5	593
Rock [basalt], black-brown, SWL 14'	2	595
Rock [basalt], black, SWL 11' to 1'	29	624
Rock [basalt], gray	9	633
Basalt, gray	25	658
Basalt, black	17	675
Basalt, gray, 500 gpm	163	838
Basalt, black, water-bearing, 2200 gpm	100	938
Basalt, gray	12	950

APPENDIX D

Monthly Water-Level Measurements in Selected Observation Wells, Klickitat County, Washington

Date		Depth of water (ft)
3/15-20H1. Henry Miller. Elevation 1570 feet.		
1975		
April	16	1.56
May	9	2.00
June	19	3.30
July	22	4.40
August	14	5.45
September	15	6.30
October	14	5.15
November	18	4.38
December	10	2.78
1976		
January	27	1.72
February	12	1.85
March	18	1.60
April	20	1.80
May	18	2.95
June	15	3.80
July	21	4.70
August	17	5.65
September	14	6.24
3/15-22H2. Dept. of Natural Res. Elevation 1590 feet. Well depth 616 feet.		
1975		
April	16	2.60
May	9	4.35
June	19	8.60
August	14	9.60
September	15	11.30
October	14	9.20
November	18	8.30
December	10	8.25
1976		
January	27	4.26
February	12	3.75
March	18	2.70
April	20	2.65
May	18	9.50
3/15-28A1. Frank Garner. Elevation 1695 feet. Well depth 85 feet.		
1957		
August	21	13.90
October	23	14.31
December	15	14.13
1958		
February	29	12.14
April	24	11.72
June	24	12.67
August	21	13.45
October	23	15.09
December	15	13.85
1959		
February	24	10.31
April	21	11.78
June	23	12.01
August	24	14.07
October	24	14.38
November	27	14.48

(continued)

Date		Depth of water (ft)
3/15-28A1. Continued.		
1960		
March	25	13.10
May	23	13.23
July	28	14.59
October	6	15.29
December	3	15.41
1961		
January	28	13.53
March	21	12.03
July	27	13.48
September	24	15.73
December	2	14.52
1962		
January	23	13.04
March	19	12.61
May	21	12.15
July	31	12.06
September	18	14.43
December	1	15.69
1963		
January	23	13.87
April	2	12.02
May	27	12.58
July	29	13.90
October	2	14.73
November	25	14.12
1964		
March	17	13.11
May	26	13.19
July	23	13.32
September	23	15.25
1965		
April	8	6.86
May	7	10.99
June	16	11.64
July	30	12.71
September	17	13.52
October	12	13.67
November	16	13.74
1966		
January	11	14.10
February	16	12.35
March	29	12.08
May	9	12.45
June	20	13.32
August	2	14.12
September	16	14.75
November	1	14.95
December	15	14.52
1967		
January	24	13.86
March	7	13.19
April	13	13.15
June	6	13.79
July	17	14.67
August	30	16.44
October	16	15.79
December	4	15.55

(continued)

Date		Depth of water (ft)
3/15-28A1. Continued.		
1968		
January	17	15.37
March	4	13.74
April	9	13.30
June	4	14.25
July	17	15.20
September	3	15.99
October	14	16.07
December	2	15.77
1969		
January	13	14.06
March	3	12.24
April	17	11.17
June	9	11.95
July	15	13.04
September	9	14.33
October	21	14.67
1970		
January	13	14.22
March	18	10.54
April	13	10.50
June	4	11.49
July	14	12.64
August	26	13.88
October	5	14.41
November	20	14.16
December	24	13.83
1971		
February	26	11.42
April	5	10.73
May	29	10.46
July	9	12.35
August	16	13.72
October	8	14.54
November	18	14.62
1972		
January	4	14.23
March	10	11.38
April	28	11.18
June	16	12.32
August	4	13.96
September	21	14.60
November	16	14.84
1973		
January	11	13.67
March	7	12.20
April	30	12.61
June	26	14.89
August	20	16.71
October	15	17.18
1974		
March	12	9.27
October	17	13.91
1975		
March	18	9.40
September	18	13.60

3/15-29G1. Dept. of Natural Res. Elevation 1615 feet. Well depth 900 feet.

Date		Depth of water (ft)
1975		
March	11	123.14
April	16	124.02
May	9	124.49
June	19	126.30
July	22	128.67
August	14	128.45
September	15	128.60
October	14	128.40
November	18	127.65
December	10	125.15
1976		
January	27	124.51
February	12	124.55
March	18	124.05
April	20	124.05
May	18	129.60
June	15	124.55
July	21	124.85
August	17	125.92
September	14	126.35

3/16-20B1. Paul Dooley. Elevation 1710 feet. Well depth 138 feet.

Date		Depth of water (ft)
1975		
August	15	79.49
September	15	82.74
October	14	84.04
November	18	79.94
December	10	79.39
1976		
January	27	78.68
February	12	83.49
March	18	78.74
April	20	82.90
May	18	79.09
June	15	77.99
July	21	79.04
August	17	79.81
September	14	79.94

3/19-7G1. Bob Imrie. Elevation 1435 feet. Well depth 298 feet.

Date		Depth of water (ft)
1975		
August	15	245.80
September	16	244.95
October	15	244.75
November	18	245.45
December	10	244.15
1976		
January	28	244.00
February	11	243.40
March	18	246.60
April	20	246.30
May	19	242.55
June	18	245.40
July	21	245.60
August	18	245.55
September	13	247.12

Date		Depth of water (ft)
3/19-23J1. Ed Morris. Elevation 1018 feet. Well depth 140 feet.		
1975		
March	14	127.20
April	15	126.86
May	9	127.00
June	20	126.91
July	22	133.60
August	16	132.20
September	16	130.35
October	15	135.55
November	18	133.89
December	11	126.55
1976		
January	28	126.48
February	11	129.60
March	18	125.90
April	20	126.20
May	19	126.60
June	18	126.70
July	21	126.70
August	18	131.83
September	13	133.35
3/20-7F1. Horace White. Elevation 830 feet. Well depth 265 feet.		
1975		
April	15	23.92
May	9	24.10
June	20	25.70
July	22	27.20
August	15	27.25
September	16	28.30
October	15	29.79
November	18	29.75
December	11	28.90
1976		
January	28	26.35
February	11	26.50
March	18	24.40
April	20	24.50
May	19	25.10
June	18	25.90
July	21	26.90
August	18	28.20
September	13	28.78
3/20-13R1. Dewey Beeks. Elevation 405 feet. Well depth 260 feet.		
1975		
August	15	168.45
September	16	167.60
October	15	167.15
November	18	167.40
December	9	166.50
1976		
January	28	166.28
February	11	166.05
March	18	164.95

(continued)

Date		Depth of water (ft)
3/20-13R1. Continued.		
April	20	161.75
May	19	166.70
June	15	164.80
July	21	166.40
August	18	167.60
September	13	167.57

4/10-24J2. Robert Jarvis. Elevation 540 feet. Well depth 93 feet.

Date		Depth of water (ft)
1975		
April	15	16.69
May	9	17.68
June	19	18.87
July	22	19.33
August	14	19.95
September	15	19.84
October	14	20.35
November	17	19.25
December	10	16.55
1976		
January	27	17.65
February	12	17.50
March	19	16.20
April	21	17.15
May	18	18.25
June	15	18.60
July	22	19.70
August	18	20.37
September	14	19.10

* Pumping of nearby well may have affected measurement.

4/15-13K2. Claude Knight. Elevation 1645 feet. Well depth 520 feet.

Date		Depth of water (ft)
1975		
March	11	15.92
April	14	15.29
May	9	15.15
June	23	22.11*
July	22	23.65*
August	14	23.75*
September	15	23.17*
October	14	25.60
November	18	22.75
December	10	21.40
1976		
January	27	18.88
February	12	18.70
March	18	17.40
April	20	16.85
May	18	16.65
June	16	18.40
July	23	22.90
August	17	23.95
September	14	22.04

4/15-16F1. Dept. of Ecology, Blockhouse Observation Well. Elevation 1595 feet. Zone A (40-210 feet).

Date		Depth of water (ft)
1973		
March	16	19.00

(continued)

Date		Depth of water (ft)
4/15-16F1. Continued.		
April	30	13.60
June	29	14.50
August	24	15.90
October	19	14.80
December	4	13.20
1974		
January	23	12.50
March	5	12.00
May	3	11.60
June	27	12.80
August	23	16.00
October	17	15.90
December	12	14.20
1975		
February	4	14.10
April	3	14.30
April	15	14.15
May	9	13.35
May	27	13.20
June	19	13.60
July	22	14.55
July	24	14.40
August	14	15.35
September	15	15.50
September	18	15.40
October	14	15.60
November	18	14.55
December	10	14.35
1976		
January	27	13.10
February	12	11.45
March	18	11.35
April	20	11.45
May	18	11.50
June	15	12.70
July	21	15.95
August	17	17.40
September	14	18.09

Date		Depth of water (ft)
4/15-16F1. Zone B (215-330 feet).		
1973		
March	16	18.50
April	30	13.60
June	29	14.50
August	24	15.80
October	19	14.90
December	4	13.20
1974		
January	23	12.40
March	5	11.90
May	3	11.70
June	27	13.00
August	23	15.90
October	17	15.80
December	12	14.60
1975		
February	4	14.00

(continued)

Date		Depth of water (ft)
4/15-16F1. Continued.		
April	3	14.20
April	15	14.10
May	27	13.40
June	19	13.62
July	22	14.44
July	24	14.40
August	14	15.45
September	15	15.65
September	18	15.40
October	14	15.55
November	18	14.40
December	10	14.40
1976		
January	27	12.95
February	12	11.45
March	18	11.30
April	20	11.35
May	18	11.50
June	15	12.70
July	21	15.85
August	17	17.67
September	14	18.15

Date		Depth of water (ft)
4/15-16F1. Zone C (335-440 feet).		
1973		
March	16	19.00
April	30	14.00
June	29	15.00
August	24	15.20
October	19	15.50
December	4	13.70
1974		
January	23	13.00
March	5	12.70
May	3	12.30
June	27	13.60
August	23	16.60
October	17	16.60
December	12	15.20
1975		
February	4	14.70
April	3	14.90
April	15	14.77
May	9	13.95
May	27	14.00
June	19	14.15
July	22	15.02
July	24	15.00
August	14	16.05
September	15	16.15
September	18	16.00
October	14	16.15
November	18	15.00
December	10	15.01
1976		
January	27	13.45
February	12	12.00
March	18	11.80
April	20	11.85

(continued)

Date		Depth of water (ft)
4/15-16F1. Continued.		
May	18	12.05
June	15	13.20
July	21	16.55
August	17	17.91
September	14	18.75

4/15-16F1. Zone D (500-580 feet).

Date		Depth of water (ft)
1973		
March	16	219.10
April	30	223.60
June	29	219.70
August	24	217.60
October	19	215.30
December	4	212.40
1974		
January	23	210.70
March	5	209.20
May	3	207.20
June	27	207.40
August	23	207.70
October	17	206.80
December	12	205.70
1975		
February	4	205.30
April	3	204.60
April	15	204.40
May	9	204.15
May	27	203.50
June	19	203.90
July	22	204.04
July	24	204.10
August	14	204.55
September	15	203.40
September	18	203.90
October	14	203.00
November	18	202.55
December	10	201.45
1976		
January	27	201.10
February	12	199.45
March	18	201.45
April	20	200.95
May	18	201.15
June	15	198.95
July	21	201.35
August	17	203.05
September	14	203.05

4/16-20G1. Boise Cascade. Elevation 1610 feet. Well depth 115 feet.

Date		Depth of water (ft)
1975		
March	11	3.65
April	14	4.16
May	9	5.02
June	19	6.90
July	21	8.60
August	14	9.15

(continued)

Date		Depth of water (ft)
4/16-20G1. Continued.		
September	15	9.85
October	14	9.28
November	18	6.92
December	10	5.14
1976		
January	27	4.09
February	12	4.40
March	18	3.50
April	20	4.20
May	18	5.20
June	15	6.30
July	21	8.55
August	17	8.65
September	13	8.47

4/16-21B1. Johnnie Foster. Elevation 1660 feet. Well depth 115 feet.

Date		Depth of water (ft)
1975		
March	13	23.60
April	15	22.90
May	9	23.40
June	19	27.42
July	21	29.70
August	14	30.85
September	15	31.40
October	14	31.20
November	18	29.45
December	10	27.95
1976		
January	27	25.30
February	12	24.65
March	18	23.25
April	20	23.50
May	18	25.05
June	15	28.70
July	21	31.90
August	17	32.70
September	13	32.93

4/17-28H1. Jim Schuster. Elevation 1935 feet. Well depth 500 feet.

Date		Depth of water (ft)
1975		
October	14	65.90
November	18	64.30
December	10	62.20
1976		
January	27	58.75
February	11	57.95
March	18	56.10
April	21	55.31
May	19	54.75
June	17	62.80
July	21	63.30
August	18	64.53
September	13	68.70

Date		Depth of water (ft)
4/17-31L1. T. V. Wilkins. Elevation 1883 feet. Well depth 139 feet.		
1957		
August	21	6.75
October	23	5.86
December	15	5.63
1958		
April	24	4.26
June	24	4.57
August	21	6.58
October	23	6.35
1959		
February	24	8.79
April	21	5.41
June	23	5.57
August	24	7.63
October	24	6.06
November	27	6.07
1960		
March	25	4.02
May	23	3.93
July	28	6.49
October	6	6.15
December	3	6.33
1961		
January	28	3.55
July	27	5.60
September	24	7.10
December	2	5.73
1962		
January	23	5.12
March	19	4.70
May	21	4.27
July	31	4.28
September	18	5.01
December	1	5.17
1963		
January	21	3.76
April	1	3.43
May	27	4.09
July	29	4.93
October	2	5.39
November	25	5.11
1964		
March	17	4.97
May	26	4.89
July	23	5.11
September	23	5.74
1965		
April	8	3.18
May	7	3.96
June	16	4.58
July	30	5.29
September	17	5.05
October	12	4.85
November	16	4.70

(continued)

Date		Depth of water (ft)
4/17-31L1. Continued.		
1966		
January	11	2.11
February	16	0.99
March	29	3.14
May	9	4.00
June	20	4.57
August	2	5.26
September	15	5.50
November	1	5.32
December	15	2.85
1967		
January	24	2.74
March	7	3.59
April	13	4.18
June	6	5.10
July	17	5.94
August	30	6.40
October	16	6.01
December	4	5.82
1968		
January	17	3.90
March	4	3.14
April	9	4.65
June	4	5.65
July	17	6.60
September	3	6.68
October	14	6.31
December	3	4.90

Date		Depth of water (ft)
1969		
January	14	4.00
March	3	1.69
April	18	3.10
June	9	4.78
July	15	6.58
September	9	8.01
October	21	6.58
December	11	5.94
1970		
January	13	4.39
March	10	2.55
April	13	3.90
June	4	6.15
July	14	6.75
August	26	7.90
October	5	7.23
November	20	6.01
December	24	4.33
1971		
February	26	3.13
April	5	4.09
May	29	5.71
July	9	6.60
August	16	7.60
October	8	7.21
November	18	6.41
1972		
January	4	4.36
March	10	2.10
April	28	4.20

(continued)

Date		Depth of water (ft)
4/17-31L1. Continued.		
June	16	5.82
August	4	7.44
September	21	7.35
November	16	6.20
1973		
January	11	4.78
March	7	3.31
April	30	5.09
June	26	6.41
August	20	6.78
October	15	6.47
December	4	2.18
1974		
March	12	1.29
October	17	4.90
1975		
March	18	1.07
September	18	4.62

5/17-20N2. Addison Lane. Elevation 2440 feet. Well depth 700 feet.

Date		Depth of water (ft)
1975		
September	3	556.50
September	17	557.40
October	17	557.40
November	18	557.50
December	10	556.75
1976		
January	27	556.90
February	12	556.20
March	18	558.20
April	20	559.00
May	19	558.80

5/23-3A2. Robert J. Peterson. Elevation 720 feet. Well depth 575 feet.

Date		Depth of water (ft)
1975		
August	15	140.55
September	16	141.95
October	15	142.45
November	18	143.30
December	11	141.15
1976		
January	28	141.90
February	3	143.80
March	19	143.50
April	21	143.30
May	19	147.90
June	15	138.60
July	23	128.30
August	19	123.84
September	13	123.70

6/12-10K1. Glenwood School. Elevation 1900 feet. Well depth 255 feet.

(continued)

Date		Depth of water (ft)
6/12-10K1. Continued.		
1974		
February	13	199.90
April	2	194.05
May	8	189.75
June	12	185.14
July	10	180.20
August	14	177.90
September	13	178.61
October	9	181.10
November	13	186.70
December	18	192.78
1975		
January	24	192.70
March	13	198.55
April	15	196.10
May	9	195.65
June	19	193.65
July	22	191.74
August	14	191.75
September	15	192.85
October	14	195.45
November	17	200.40
December	10	202.80
1976		
January	27	204.90
February	12	206.80
March	19	206.65
April	21	203.70
May	18	200.85
June	15	197.40
July	22	192.80
August	18	192.57
September	14	191.83

6/12-10P1. Ada Conboy. Elevation 1895 feet. Well depth 14 feet.

Date		Depth of water (ft)
1974		
February	11	4.13
April	2	4.91
May	8	6.98
June	12	6.02
July	11	6.00
August	15	6.70
September	12	6.12
October	10	7.34
November	13	9.15
December	18	9.86
1975		
January	24	5.70
March	13	5.49
April	15	7.52
May	9	8.72
June	19	6.05
July	22	6.90
August	14	7.00
September	15	9.15
October	14	11.10
November	17	11.25

(conintued)

Date		Depth of water (ft)
6/12-10P1. Continued.		
December	10	7.10
1976		
January	27	6.94
February	12	8.20
March	19	7.10
April	21	7.70
May	18	8.40
June	15	5.90
July	22	5.80
August	18	6.05
September	14	6.91

6/20-22C1. Roy Van Nostern. Elevation 2990 feet. Well depth 147 feet.

Date		Depth of water (ft)
1975		
March	12	1.80
April	16	2.00
May	9	2.90
June	20	3.88
July	21	4.80
August	15	5.08
September	16	5.55
October	15	6.50
November	18	5.68
December	11	4.05
1976		
January	28	2.09
February	13	2.15
March	19	1.85
April	21	2.35
May	19	2.00
June	15	2.00
July	23	5.40
August	18	5.38
September	13	6.24

6/20-22D1. Lawrence Whitmore. Elevation 3005 feet. Well depth 44 feet.

Date		Depth of water (ft)
1968		
May	31	15.60
July	19	15.76
August	22	24.97
October	1	21.03
November	6	14.43
December	14	12.03
1969		
February	14	12.33
March	19	3.88
May	21	10.85
June	1	11.93
July	1	13.23
August	5	10.93
September	15	13.83
October	7	9.93
November	4	8.93
December	5	22.33

(conintued)

Date		Depth of water (ft)
6/20-22D1. Continued.		
1970		
February	3	6.33
March	4	3.73
April	1	4.83
May	11	5.63
June	4	11.49
July	13	18.88
August	26	25.14
October	5	23.74
November	24	21.02
1971		
February	26	4.40
April	9	3.30
May	30	8.62
July	9	15.70
August	16	23.05
October	8	16.30
November	18	14.92
1972		
January	6	13.75
March	9	25.60
April	28	5.47
June	16	9.10
August	4	14.45
September	21	18.73
November	16	17.33
1973		
January	11	16.10
March	7	13.60
May	4	13.79
June	29	20.72
August	25	31.27
October	19	27.80
December	7	18.90
1974		
March	12	27.50
October	17	31.10
1975		
April	3	25.61
September	26	28.93

6/20-30Q1. Roy Van Nostern. Elevation 3045 feet. Well depth 14 feet.

1975		
April	16	5.16
May	9	5.60
June	20	11.05
July	21	7.10
August	15	7.50
September	16	7.50
October	15	7.05
November	18	6.04
December	11	4.71
1976		
January	28	4.72
February	13	5.10
March	19	4.55

(continued)

Date		Depth of water (ft)
6/20-30Q1. Continued.		
April	21	5.45
May	19	6.40
June	15	6.80
July	23	7.30
August	18	7.34
September	13	7.54

6/21-31F2. Howard Coleman. Elevation 2740 feet. Well depth 300 feet.

Date		Depth of water (ft)
1975		
August	2	254.85
September	16	264.00
October	15	275.60
November	18	261.70
December	11	259.90
1976		
January	28	269.52
February	13	267.10
March	19	266.60
April	21	265.40
May	19	271.40
June	15	269.50
July	22	277.40
August	18	272.13
September	13	270.25

* Pumping of nearby well may have affected measurement.

6/21-31F4. Howard Coleman. Elevation 2738 feet. Well depth 278 feet.

Date		Depth of water (ft)
1975		
April	16	171.85
May	9	174.55
June	20	179.23
July	21	181.29
August	15	181.45
September	16	180.95
October	15	179.80
November	18	180.40
December	11	172.42
1976		
January	28	164.43
February	13	187.80*
March	19	181.80
April	21	185.00
May	19	191.70
June	15	198.05
July	23	196.60
August	18	198.50
September	13	196.60

6/21-34N1. Tom Gray. Elevation 2477 feet. Well depth 104 feet.

Date		Depth of water (ft)
1975		
August	15	52.45
September	16	57.08

(continued)

Date		Depth of water (ft)
6/21-34N1. Continued.		
October	15	56.20
November	18	57.84
December	11	57.94
1976		
January	28	55.40
February	12	50.70
March	19	56.35
April	20	57.80
May	19	59.55
June	15	60.45
July	23	62.10
August	18	63.70
September	13	64.53

APPENDIX E

Water-Level Measurements from Wells in the Goldendale-Centerville Area, 1974-1975

Location

Refer to Figure 59 for explanation of well location method.

Elevation

In feet above mean sea level. Estimated from U.S.G.S. 15' topographical maps.

SWL

Static Water Level measured as feet below land surface unless preceeded by a + indicating measurement is above land surface.

APPENDIX E

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
				T. 3 N. R. 14 E.					
9Q1	1980	5.20	----	6.00	11/19	6.50	4/15	5.42	10/28
12J1	1840	39.19	5/15	38.20	11/20	28.23	4/16	37.38	10/29
14R1	1700	6.14	5/01	8.51	11/19	6.25	4/16	7.25	10/29
24C1	1660	39.41	5/01	37.77	11/19	37.85	4/17	36.65	10/29
24P1	1645	37.08	5/01	-----	-----	36.75	4/15	-----	-----
25C1	1560	19.32	5/01	22.01	11/19	19.00	4/16	20.88	10/29
25M1	1600	13.63	5/01	14.39	11/19	13.68	4/15	14.59	10/29
25R1	1680	98.50	----	98.36	11/19	96.80	4/16	98.10	10/29
26K1	1580	7.02	5/01	8.39	11/19	6.97	4/15	7.21	10/29
28G1	1620	1.02	5/01	4.90	11/19	1.74	4/15	3.86	10/29
28H1	1600	0.62	5/01	4.03	11/19	Flow	4/15	4.24	10/29
29B1	1650	51.95	5/01	55.78	11/20	54.25	4/15	55.34	10/29
				T. 3 N. R. 15 E.					
1R1	1610	13.65	4/30	13.59	11/18	10.43	4/16	12.66	10/28
2M1	1675	28.70	4/30	35.30	11/18	35.60	4/15	34.63	10/29
4H1	1745	16.54	4/30	18.57	11/19	17.35	4/15	19.76	10/29
5L1	1860	3.31	4/30	6.65	11/19	2.95	4/15	Flow	10/27
6Q1	1910	0.47	4/30	3.90	11/19	0.00	4/15	4.45	10/27
7Q1	1650	Flow	4/30	0.60	11/19	Flow	4/15	1.20	10/27

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
7Q2	1670	34.66	4/30	36.70	11/19	34.82	4/15	33.10	10/27
11C1	1625	5.90	5/01	7.90	11/18	7.95	4/15	8.23	10/29
11C2	1625	1.70	5/01	4.25	11/18	4.35	4/15	4.60	10/29
11M1	1610	35.50	5/01	29.15	11/18	36.00	4/15	43.00	10/29
11N2	1595	10.30	4/30	29.70	-----	13.85	4/15	30.00	10/29
12A1	1600	2.28	4/30	6.77	11/18	2.40	4/16	7.55	10/28
13A1	1595	26.25	5/02	31.30	11/18	26.12	4/14	34.59	10/28
13B1	1595	3.37	5/02	7.83	11/18	3.21	4/14	8.10	10/28
13C1	1595	7.41	5/02	12.14	11/18	7.52	4/14	12.33	10/28
14B1	1590	10.10	5/30	15.30	11/18	10.65	----	14.80	10/29
15A1	1595	22.70	4/30	26.89	11/18	22.24	4/15	27.16	10/29
15A2	1595	9.39	4/30	18.90	11/18	12.90	4/15	22.34	10/29
15B1	1595	14.89	5/02	19.56	11/20	14.97	4/15	19.90	10/28
17C1	1635	4.17	4/30	-----	-----	2.21	4/15	4.61	10/28
17Q1	1595	14.00	----	16.88	11/19	11.36	4/15	15.64	10/28
18Q1	1600	37.00	----	42.16	11/19	38.90	4/15	43.15	10/28
19A1	1585	17.25	----	21.30	11/19	17.22	4/15	22.20	10/28
19J1	1565	1.60	----	5.78	11/19	1.57	4/15	5.74	10/28
20H1	1570	3.10	5/02	3.84	11/19	0.79	4/15	3.84	10/28
20J1	1570	8.50	----	11.66	11/19	7.74	4/15	11.60	10/28
20L1	1560	Flow	----	+1.57	11/19	Flow	4/15	+1.58	10/28
22H1	1600	36.10	----	41.02	11/18	36.56	4/15	41.11	10/28

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
22H2	1590	4.45	----	6.83	11/18	-----	----	7.06	10/28
22R1	1615	28.40	4/30	33.67	11/18	28.40	4/16	34.05	10/28
26B1	1635	38.70	----	48.75	11/19	44.84	4/15	49.15	10/28
28M1	1630	51.15	----	52.97	11/19	46.58	4/15	51.94	10/28
28M2	1630	35.30	----	41.74	11/19	36.40	4/15	43.98	10/28
29G1	1615	112.80	----	121.42	11/19	-----	----	128.00	10/28
34H1	1740	40.00	5/01	46.20	11/19	44.43	4/15	44.56	10/28
			T. 3 N.	R. 16 E.					
1C1	1840	32.50	5/01	16.73	11/18	13.27	4/16	16.68	10/29
1P1	1920	73.10	5/01	71.06	11/18	71.01	4/16	71.01	10/29
3B1	1750	19.23	4/29	24.11	11/19	19.66	4/16	23.01	10/29
3F1	1730	31.45	4/29	40.77	11/19	23.45	4/16	-----	-----
4E1	1710	71.95	5/01	49.41	11/19	45.63	4/16	47.21	10/29
4H1	1680	51.35	4/29	37.66	11/20	32.15	4/16	32.95	10/28
4P1	1680	14.85	5/01	17.14	11/19	14.25	4/16	14.53	10/29
7E1	1615	37.67	4/30	41.64	11/18	37.55	4/16	51.93	10/28
7H1	1630	27.10	4/30	29.97	11/18	26.80	4/16	32.45	10/28
7P1	1590	5.67	5/02	9.70	11/18	5.28	4/16	9.13	10/28
7Q1	1590	8.42	5/02	10.62	11/18	10.62	4/16	9.52	10/27
8J1	1660	33.50	4/30	39.55	11/18	34.30	4/15	44.68	10/27
8K1	1630	20.85	4/30	27.60	11/18	21.50	4/16	32.33	10/28

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
8K2	1630	15.96	4/30	22.15	11/18	16.88	4/16	26.43	10/28
8Q1	1640	21.05	4/30	24.93	11/18	22.40	4/16	28.67	10/27
9C1	1650	29.25	4/30	32.80	11/19	29.27	4/16	31.69	10/29
9E1	1645	20.70	4/29	21.05	11/19	15.98	4/16	22.91	10/29
18D1	1590	11.02	5/02	14.56	11/18	10.72	4/14	17.49	10/28
18D2	1610	12.28	5/02	16.85	11/18	11.92	4/14	17.64	10/28
18E1	1610	12.56	4/30	-----	-----	-----	----	-----	-----
18P1	1640	59.00	4/30	70.34	11/18	60.80	4/14	68.57	10/28
18Q1	1640	68.65	----	72.10	11/18	67.38	4/14	71.57	10/28
20B1	1710	80.51	5/02	79.84	11/18	79.52	4/14	79.86	10/28
20D1	1680	91.72	5/02	104.58	11/18	90.97	4/14	95.97	10/28
30F1	1800	28.07	5/02	32.01	11/18	-----	----	32.82	10/28
			T. 3 N.	R. 17 E.					
5B1	1925	29.46	4/30	35.95	11/18	22.53	4/16	65.15	10/28
5P1	1960	88.08	4/30	89.50	11/18	79.13	4/16	104.72	10/28
9Q1	2400	5.20	----	6.00	11/19	-----	----	-----	-----
			T. 4 N.	R. 14 E.					
1A1	1640	24.44	5/01	27.03	11/19	24.46	4/15	27.26	10/29
2B1	1440	25.05	5/02	29.82	11/19	28.30	4/15	32.35	10/29
25G1	1560	34.92	5/02	36.65	11/19	35.40	4/16	37.56	10/27

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
26K1	1560	123.25	4/29	122.25	-----	121.55	4/16	123.00	10/27
			T. 4 N.	R. 15 E.					
1F1	1815	115.25	4/30	120.54	11/20	115.40	4/16	120.27	10/28
2F1	1760	11.97	4/29	25.53	11/20	11.53	4/16	24.25	10/28
2J1	1790	106.25	4/29	113.58	11/21	105.05	4/16	111.56	10/28
2L1	1720	0.00	4/30	0.00	11/20	0.00	4/16	0.00	10/28
2N1	1685	Flow	4/30	-----	-----	Flow	4/16	Flow	10/28
2N2	1680	37.98	4/30	40.77	11/20	39.41	4/16	45.68	10/28
3H1	1725	64.88	5/01	67.71	11/20	65.00	4/16	71.70	10/28
4P2	1665	32.14	5/01	-----	-----	28.30	4/15	39.50	10/29
4P3	1670	21.79	5/01	38.42	11/20	28.61	4/15	38.97	10/28
4R1	1680	31.23	4/30	36.42	11/30	29.60	4/15	39.54	10/28
5A1	1700	47.05	5/01	50.83	11/18	53.57	4/15	54.06	10/28
5E1	1675	-----	----	48.74	11/20	2.05	4/16	-----	-----
5L1	1660	42.71	5/01	45.33	11/20	42.32	4/14	43.51	10/28
8C1	1660	90.04	5/01	87.40	11/18	84.80	4/15	94.83	10/28
8R1	1590	3.62	5/01	4.81	11/18	9.85	4/15	5.11	10/28
9C1	1660	7.05	5/01	11.62	11/18	8.85	4/15	11.91	10/27
9F1	1630	0.50	5/01	0.58	11/18	+0.26	4/15	-----	-----
10F1	1660	21.68	4/30	23.90	11/18	22.24	4/14	27.96	10/28
10J1	1660	9.16	4/30	11.01	11/19	9.24	4/14	11.43	10/27

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
10K1	1650	15.93	4/30	17.89	11/18	16.97	4/14	23.05	10/28
10K2	1650	9.37	4/30	-----	-----	9.89	4/14	15.13	10/28
10L1	1650	13.05	4/30	7.80	11/18	12.89	4/14	19.27	10/28
11K1	1640	Flow	4/30	Flow	11/18	Flow	4/15	Flow	10/27
12B1	1760	36.26	4/29	45.15	11/18	34.35	4/14	62.07	10/27
12C1	1750	62.83	4/30	67.40	11/18	62.90	4/14	68.14	10/27
12F1	1700	35.88	5/01	-----	-----	35.44	4/14	36.24	10/27
12R1	1680	10.96	4/29	12.68	11/18	24.27	4/16	17.64	10/27
13C1	1685	56.25	4/30	58.10	11/20	54.46	4/14	66.93	10/27
13K1	1645	3.72	4/29	13.86	11/18	2.80	4/14	12.00	10/27
13K2	1645	15.79	4/29	18.53	11/18	14.79	4/14	24.46	10/27
13K3	1650	16.80	4/29	21.66	11/18	19.31	4/14	24.58	10/27
14Q1	1635	79.84	4/29	86.39	11/20	79.64	4/14	79.75	10/27
14R1	1630	65.08	4/30	78.20	11/19	57.85	4/14	79.43	10/27
15H1	1620	25.10	4/30	25.37	11/21	-----	4/16	25.77	10/29
15J1	1610	46.94	4/30	47.98	11/19	45.44	4/14	47.39	10/27
16F1 Zone A	1595	11.83	5/02	15.77	11/20	14.15	4/15	15.60	10/14
16F1 Zone B	1595	11.89	5/02	15.74	11/20	14.10	4/15	15.55	10/14
16F1 Zone C	1595	12.44	5/02	16.39	11/20	14.77	4/15	16.15	10/14
16F1 Zone D	1595	207.58	5/02	207.04	11/20	204.40	4/15	203.00	10/14
21D1	1600	36.92	5/01	44.62	11/20	39.95	4/15	36.23	10/29

Well Location	Elevation (ft)	1974 SWL (ft)	Date	SWL (ft)	Date	1975 SWL (ft)	Date	SWL (ft)	Date
21E2	1575	91.52	5/01	96.59	11/20	117.30	4/15	103.38	10/29
21F1	1600	72.36	5/01	79.12	11/20	66.33	4/15	74.03	10/29
21K1	1525	32.13	5/01	38.86	11/20	35.18	4/15	39.18	10/29
22Q1	1460	13.84	4/29	19.53	11/20	13.50	4/15	-----	-----
23E1	1620	63.25	4/29	-----	-----	103.17[1]	4/15	-----	-----
23E2	1610	113.66	4/29	139.75	11/20	120.45	4/16	113.35	10/29
26A2	1480	Flow	4/30	Flow	11/20	Flow	4/16	Flow	10/29
26B1	1510	49.82	4/30	80.92	11/19	54.48	4/14	62.35	10/29
26H1	1580	7.05	4/30	22.84	11/19	10.02	4/14	11.49	10/29
26R1	1650	4.56	4/30	11.28	11/19	3.28	4/14	-----	-----
26R2	1660	21.83	4/30	35.22	11/19	29.50	4/14	43.13	10/29
26R3	1660	21.46	4/30	36.49	11/19	20.34	4/14	44.84	10/29
28P1	1640	93.60	5/02	95.50	11/19	91.30	4/15	93.79	10/28
32R1	1810	147.02	4/30	158.53	11/19	145.56	4/15	144.65	10/27
35H1	1700	14.34	4/30	23.25	11/18	24.90	4/14	29.83	10/29
			R. 4 N.	R. 16 E.					
1K1	1870	25.62	4/30	-----	-----	26.52	4/15	27.89	10/28
1L1	1840	15.37	5/01	18.73	11/20	16.66	4/15	18.83	10/28
6H1	1820	177.35	5/01	180.14	11/21	162.80	4/15	169.75	10/29
10A2	1740	104.09	5/02	Flow[1]	11/20	Flow	4/15	Flow	10/28
10B1	1710	2.54	5/02	5.50	11/20	2.65	4/15	5.18	10/28

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
10B2	1730	Flow	5/02	Flow	11/20	Flow	4/14	Flow	10/28
10B3	1800	1.49	5/02	5.15	11/20	3.80	4/15	-----	-----
10B4	1760	-----	----	-----	-----	Flow	4/14	Flow	10/28
10F1	1720	+0.91	5/02	Flow	11/20	Flow	4/15	Flow	10/28
10N1	1670	11.00	5/02	13.14	11/20	12.43	4/15	15.19	10/28
14G1	1790	23.68	5/01	38.15	11/18	40.25	4/15	43.35	10/28
14L1	1760	6.44	5/01	15.30	11/19	6.72	4/15	18.40	10/28
14N1	1840	125.75	5/01	131.58	11/19	129.92	4/15	143.95	10/28
15E1	1680	1.49	5/01	6.40	11/20	2.88	4/14	5.39	10/28
15N1	1680	0.00	5/01	3.03	11/20	Flow	4/14	1.96	10/28
17G1	1620	46.20	5/01	-----	-----	36.00	4/14	45.73	10/29
17N1	1630	11.91	5/01	98.00	11/20	18.50	4/14	77.90	10/28
18A1	1660	33.27	5/02	35.73	11/18	30.07	4/14	-----	-----
19R1	1600	1.25	4/29	3.28	11/20	Flow	4/14	2.05	10/29
19R2	1600	Flow	4/30	-----	-----	Flow	4/14	-----	-----
20F1	1560	16.93	4/29	19.79	11/20	16.50	4/14	25.27	10/25
20G1	1610	3.47	4/30	6.30	11/20	3.46	4/14	7.20	10/28
20M1	1560	0.75	4/29	-----	-----	Flow	4/14	Flow	10/30
21Q1	1690	25.91	5/02	37.98	11/19	32.10	4/14	36.80	10/30
21Q2	1690	25.30	5/02	54.85	11/19	26.00	4/14	51.40	10/30
22L1	1760	49.50	5/01	110.65	11/19	49.30	4/15	76.41	10/29

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
22L2	1760	Flow	5/01	Flow	11/19	1.00	4/15	Flow	10/29
22Q1	1760	52.65	5/01	66.59	11/20	54.35	4/15	61.42	10/29
23A1	1855	21.62	5/02	21.64	11/20	20.92	4/15	21.60	10/28
26C1	1830	35.65	5/01	65.90	11/19	37.87	4/15	63.03	10/28
26C2	1830	34.60	5/01	36.53	11/19	34.30	4/15	36.26	10/28
26C3	1830	40.35	5/01	41.05	11/19	39.39	4/15	40.61	10/28
27D1	1755	98.85	5/01	177.05	11/20	97.95	4/15	187.38	10/30
27D2	1755	75.10	5/01	153.10	11/20	74.20	4/15	166.16	10/30
28A1	1715	51.53	5/01	75.45	11/19	50.95	4/14	79.04	10/29
28B1	1710	51.89[2]	5/01	60.40[2]	11/19	52.33[2]	4/14	21.68	10/29
28E1	1700	61.33	5/02	68.58	11/19	61.07	4/14	67.56	10/29
28H1	1740	178.95	5/01	196.85	11/19	176.76	4/14	203.52	10/30
28N1	1730	40.10	5/01	102.80	11/19	101.20	4/16	104.37	10/29
29B2	1640	20.90	4/30	28.85	10/21	21.40	4/15	28.00	10/28
29G1	1660	32.92	4/30	42.00	10/21	33.05	4/15	41.40	10/28
29G2	1660	28.11	4/30	35.78	11/21	28.15	4/15	36.63	10/28
29G3	1660	21.50	4/30	41.83	10/21	19.25	4/15	41.75	10/29
29H1	1700	65.65	4/30	77.20	11/21	62.10	4/15	77.35	10/28
29H2	1700	68.89	4/30	77.47	10/21	68.95	4/15	77.12	10/28
29J1	1720	89.80	4/30	95.85	11/21	89.60	4/15	56.45	10/28
29R3	1710	24.80	4/29	-----	-----	-----	----	-----	-----
30A1	1600	91.78	4/30	-----	-----	-----	----	-----	-----

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
30F1	1560	Flow	4/29	Flow	11/20	Flow	4/15	Flow	10/29
31Q1	1650	23.47	4/30	32.86	11/20	119.10[1]	4/14	117.67	10/29
32A1	1715	29.82	4/30	31.72	11/19	29.80	4/14	33.55	10/28
33D1	1730	64.22	5/02	44.00	11/21	42.63	4/16	-----	-----
33D2	1730	44.56	5/02	46.42	11/21	44.70	4/16	48.47	10/28
33G1	1790	78.58	5/01	80.83	11/19	79.40	4/16	80.20	10/28
34H1	1840	52.80	5/01	61.75	11/19	52.99	1/16	53.79	10/29
36R1	1870	10.90	4/29	12.27	11/20	8.00	4/16	12.04	10/28
			T. 4 N.	R. 17 E.					
4E1	2220	+0.26	4/30	+0.25	11/20	+1.05	4/15	+0.04	10/27
9P1	2220	59.42	4/30	66.15	11/20	-----	----	61.50	10/27
18G1	2120	82.47	4/30	84.90	11/18	92.80	4/15	99.17	10/27
18R1	2080	1.38	4/30	1.60	11/18	1.39	4/15	+1.88	10/27
19F1	2040	64.34	5/01	80.22	11/18	68.20	4/16	90.06	10/25
19G1	2020	46.96	5/01	64.15	11/18	55.35	4/16	79.47	10/28
29E1	1980	26.59	5/01	59.72	11/20	58.05	4/15	-----	-----
29P1	1960	71.02	5/02	84.70	11/20	70.44	4/15	91.85	10/28
30A1	2010	66.06	5/01	63.39	11/18	62.36	4/15	63.72	10/28
30D1	1960	3.55	5/01	6.17	11/18	1.05	4/15	6.86	10/28
30J1	1960	21.70	5/02	25.29	11/20	23.10	4/15	24.85	10/28
31L1	1880	27.97	4/30	29.13	11/18	27.79	4/16	26.18	10/28

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
31M1	1865	2.20	4/30	6.26	11/18	2.40	4/16	14.02	10/28
31R1	1905	9.65	5/01	20.00	11/18	8.29	4/16	22.41	10/28
32P1	1920	36.50	4/29	48.05	11/18	34.37	4/16	-----	-----
			T. 5 N.	R. 14 E.					
16L1	1920	Flow	5/01	Flow	11/19	-----	----	Flow	10/29
21A1	1870	213.83	5/01	-----	-----	215.00	----	228.40	10/29
22R1	1740	73.30	5/01	72.45	11/19	70.94	4/14	75.36	10/29
24J1	1980	136.70	5/01	140.23	11/18	137.05	4/15	137.70	10/30
24J2	1990	135.66	5/01	139.76	11/19	-----	----	138.10	10/30
26K1	1700	27.20	5/01	26.50	11/19	-----	----	-----	-----
26K2	1700	53.73	5/01	56.45	11/19	53.23	4/14	-----	-----
36R1	1600	49.75	5/01	116.10	11/19	182.48	4/15	113.30	10/28
			T. 5 N.	R. 15 E.					
19L1	2040	53.54	5/01	67.69	11/18	53.50	4/15	66.79	10/29
19P1	2000	97.30	5/01	127.64	11/19	97.27	4/15	127.40	10/30
19P2	1990	97.60	5/01	-----	-----	-----	----	-----	-----
19Q2	2050	115.20	5/01	127.19	11/19	115.40	4/15	127.55	10/29
19R1	2055	109.90	5/01	118.17	11/19	109.02	4/15	117.86	10/29
20L1	2040	104.55	5/01	105.09	11/19	-----	----	105.18	10/29
20M1	2100	146.98	5/01	163.75	11/19	151.30	4/16	165.03	10/29

Well Location	Elevation (ft)	1974 SWL (ft)	1974 Date	1974 SWL (ft)	1974 Date	1975 SWL (ft)	1975 Date	1975 SWL (ft)	1975 Date
22J1	2250	148.30	5/02	144.65	11/18	-----	----	-----	-----
23D1	2335	346.90	4/30	289.31	11/18	306.60	4/16	305.77	10/30
25L2	2160	435.95	4/30	435.45	11/18	-----	----	-----	-----
27G1	2050	92.55	4/30	92.29	11/18	92.20	4/16	-----	-----
30J1	1880	35.06	5/02	39.09	11/18	35.48	4/15	38.85	10/29
32P1	1700	28.73	5/02	50.74	11/18	42.83	4/15	56.74	10/29
32Q1	1720	66.84	5/01	65.78	11/20	63.90	4/15	70.72	10/29
34D1	1920	110.26	4/30	110.60	11/18	110.50	4/16	110.52	10/29
			T. 5 N.	R. 16 E.					
25Q1	2120	126.73	5/01	130.28	11/20	141.80	4/16	>230.00[2]	10/27
30E1	2170	151.60	4/30	-----	-----	-----	----	-----	-----
31E1	2060	226.70	5/01	-----	-----	-----	----	-----	-----
31K1	1940	108.15	4/30	-----	-----	-----	----	-----	-----
34R1	2020	236.44	4/30	141.45	11/20	-----	----	-----	-----
			T. 5 N.	R. 17 E.					
3N1	2500	30.87	4/29	34.01	11/20	30.37	4/15	35.87	10/29
32D1	2000	35.49	4/30	43.53	11/20	36.63	4/15	45.96	10/27

[1] indicates deepened well

[2] indicates pumping level

APPENDIX F

Surface-Water Quality Analyses from Selected Streams,
Klickitat County, Washington.

TABLE F-1. Selected Chemical Analyses, Klickitat River near Pitt, Washington

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1910								
Feb. 5	2859	---	---	---	---	103	0.71	---
Feb. 15	2193	---	---	---	---	97	0.43	---
Feb. 25	4509	---	---	---	---	92	TR	---
Mar. 7	6591	---	---	---	---	87	TR	---
Mar. 14	6428	---	---	---	---	90	TR	---
Mar. 27	4424	---	---	---	---	78	---	---
Apr. 7	3330	---	---	---	---	80	---	---
Apr. 16	3578	---	---	---	---	86	0.10	---
Apr. 26	3961	---	---	---	---	68	0.10	---
May 7	3542	---	---	---	---	54	0.10	---
May 14	3094	---	---	---	---	70	TR	---
May 26	2771	---	---	---	---	67	0.0	---
June 5	2230	---	---	---	---	75	TR	---
June 15	1943	---	---	---	---	63	---	---
June 25	1586	---	---	---	---	93	0.0	---
July 5	1454	---	---	---	---	76	0.0	---
July 15	1368	---	---	---	---	75	---	---
July 25	1167	---	---	---	---	72	---	---
Aug. 4	1090	---	---	---	---	69	---	---
Aug. 14	1025	---	---	---	---	71	0.05	---
Aug. 24	945	---	---	---	---	75	0.45	---
Sep. 3	887	---	---	---	---	73	0.0	---
Sep. 13	849	---	---	---	---	85	0.13	---
Sep. 23	892	---	---	---	---	77	0.05	---
Oct. 3	1097	---	---	---	---	76	0.70	---
Oct. 13	980	---	---	---	---	83	0.35	---
Oct. 23	980	---	---	---	---	76	0.05	---
Nov. 2	868	---	---	---	---	84	0.36	---
Nov. 13	1368	---	---	---	---	68	0.80	---
Nov. 22	1628	---	---	---	---	72	0.20	---
Dec. 2	1711	---	---	---	---	81	TR	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1910 (continued)								
Dec. 12	1585	---	---	---	---	83	TR	---
Dec. 22	1301	---	---	---	---	81	TR	---
1911								
Jan. 2	1185	---	---	---	---	80	TR	---
Jan. 11	1045	---	---	---	---	80	TR	---
Jan. 22	1463	---	---	---	---	86	TR	---
Jan. 29	1218	---	---	---	---	85	TR	---
1958								
Oct. 2	746	---	81	7.6	---	67	0.0	---
Oct. 31	737	---	81	7.3	---	67	0.0	---
Dec. 1	1160	---	67	7.3	---	66	0.3	---
Dec. 31	1640	---	66	7.4	---	64	0.4	---
1959								
Jan. 13	4610	---	61	7.1	---	75	1.1	---
Feb. 27	1800	---	80	7.4	---	85	0.9	---
Mar. 31	2410	---	72	7.3	---	68	0.4	---
Apr. 30	2590	---	58	7.4	---	56	0.6	---
June 2	2140	---	55	7.1	---	50	0.3	---
June 30	1390	---	63	7.4	---	55	0.0	---
July 31	900	---	74	7.1	---	69	0.3	---
Aug. 28	750	---	77	7.5	---	77	0.2	---
Sep. 30	935	---	75	7.4	---	68	0.5	---
1966								
Oct. 26	726	---	83	7.2	11.7	75	0.6	36
Nov. 18	844	---	82	7.3	13.4	82	0.2	930
Dec. 29	1210	---	78	7.5	---	71	0.9	---
1967								
Jan. 25	1390	---	79	7.5	---	70	0.4	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1967 (continued)								
Feb. 25	1310	---	76	7.7	12.4	68	0.2	930
Mar. 30	1400	---	76	7.8	12.2	66	0.1	36
Apr. 30	1180	---	78	7.5	11.9	73	0.2	0
May 26	2700	---	52	7.4	11.8	49	0.3	430
June 17	2760	---	46	7.3	11.4	44	0.1	230
July 21	1020	---	68	7.8	9.2	62	0.0	---
Aug. 18	804	---	72	7.7	13.4	70	0.4	0
Sep. 21	698	---	78	7.6	10.8	74	0.1	36
Oct. 19	740	10	79	7.5	12.4	71	0.2	---
Nov. 17	1040	6	69	7.8	12.1	62	0.3	---
1968								
Jan. 11	963	4	73	7.6	12.9	65	0.2	---
Feb. 5	3620	4	64	7.3	12.7	68	0.6	---
Mar. 21	1780	5	67	7.6	13.0	62	0.1	---
Apr. 25	1180	7	72	7.5	13.6	67	0.2	202
May 14	1550	8	62	7.2	11.7	60	0.0	160
June 11	1480	14	62	7.3	11.4	54	0.2	440
July 10	936	16	68	7.5	10.1	61	0.1	310
Aug. 12	719	17	77	7.7	10.0	71	0.1	1000
Sep. 17	796	8	79	7.4	10.4	70	0.0	1800
Oct. 21	876	9	80	7.5	11.8	73	0.0	1500
Nov. 13	1860	4.5	54	7.3	11.8	54	0.3	430
Dec. 11	1720	4.7	72	7.2	10.5	70	0.6	3400
1969								
Jan. 22	1380	0.0	78	7.6	11.4	75	0.6	690
Feb. 17	1440	5.1	93	7.6	12.4	75	0.9	3300
Mar. 11	1730	5.5	93	7.7	14.2	88	2.4	80
Apr. 15	3250	8.3	67	7.5	12.0	66	0.9	250
May 20	4180	13.5	49	6.3	10.8	69	0.0	210
June 24	1830	14.0	60	7.7	10.1	57	0.2	640
July 22	1000	20.1	71	7.4	9.4	61	0.1	760

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1969 (continued)								
Aug. 19	814	17.5	76	7.9	9.8	76	0.0	650
Sep. 24	898	11.2	76	7.5	10.8	70	0.1	1300
Oct. 21	780	9.1	82	7.6	12.0	71	0.1	100
Nov. 18	740	6.6	80	7.8	12.5	72	0.1	130
Dec. 16	868	3.2	82	6.8	12.5	68	0.4	340
1970								
Jan. 20	3210	3.1	72	7.2	12.5	60	2.7	1420
Feb. 17	5320	6.0	69	7.5	12.4	74	1.2	1150
Mar. 17	3060	7.2	68	7.3	12.8	62	0.3	205
Apr. 14	1940	7.9	72	7.4	12.9	68	0.1	80
May 19	2880	11.0	54	7.1	11.7	53	0.3	170
June 16	1800	13.1	56	7.4	11.2	53	0.1	200
July 29	918	13.5	75	7.5	10.8	63	0.1	64
Aug. 18	804	15.2	79	7.4	11.1	68	0.0	220
Sep. 14	748	10.3	81	7.8	11.6	72	0.4	140
1971								
Nov. 9	860	5.6	81	7.6	12.1	--	0.017	10
Nov. 23	820	3.9	90	7.1	13.5	--	0.05	---
Dec. 14	1120	3.9	85	---	12.4	--	0.14	18
Dec. 28	990	1.9	--	7.3	13.9	--	0.43	10
1972								
Jan. 12	1020	3.7	--	7.4	12.4	--	0.54	600
Jan. 25	3650	2.3	76	7.6	13.4	--	0.43	170
Feb. 23	4550	4.1	77	7.5	12.6	--	0.22	---
Mar. 1	6000	3.4	--	---	---	--	0.16	700
Mar. 15	6140	6.8	--	7.7	12.1	--	0.11	1500
Mar. 28	3110	5.5	68	7.6	12.4	--	0.18	64
Apr. 12	2410	6.5	--	7.1	12.0	--	0.05	280
Apr. 25	1870	9.0	70	7.9	12.8	--	0.01	---
May 9	2700	9.0	60	7.4	12.2	--	0.06	6
May 24	1870	7.5	46	7.2	11.6	--	0.08	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1972 (continued)								
June 14	3000	11.1	48	6.3	10.4	--	0.05	260
June 27	2270	---	53	---	11.0	--	0.03	---
July 12	1870	11.8	57	6.9	10.9	--	0.06	220
July 24	1550	---	--	---	---	--	---	---
July 25	1500	12.0	63	7.7	10.6	--	0.04	---
Aug. 9	1330	14.8	66	7.4	9.7	--	0.06	---
Aug. 22	1060	13.0	98	7.3	10.0	--	0.03	110
Sep. 20	920	9.5	75	7.5	11.2	--	0.07	---
Sep. 27	1020	6.5	80	7.4	12.2	--	0.10	---
Oct. 4	950	8.5	69	7.8	11.4	--	0.01	2000
Oct. 11	920	10.5	77	8.0	11.3	--	0.05	---
Oct. 17	875	6.6	71	7.6	11.5	--	0.03	350
Oct. 24	830	7.0	83	7.5	12.7	--	0.02	---
Oct. 31		3.7	94	7.5	12.7	--	0.02	230
Nov. 8	1020	6.4	79	7.1	12.3	--	0.05	---
Nov. 14	930	6.2	83	7.6	12.4	--	0.03	100
Nov. 28	1030	5.1	64	7.5	12.7	--	0.06	270
Dec. 20	1720	2.6	58	7.2	13.1	--	0.15	800
Dec. 27	2280	5.8	66	7.5	12.4	--	0.23	1200
1973								
Jan. 9	1060	1.1	82	7.1	14.6	--	0.13	140
Jan. 23	1830	2.4	76	7.5	13.6	--	0.23	300
Feb. 6	1240	3.8	84	7.2	13.5	--	0.19	100
Feb. 21	1080	5.0	92	7.4	13.8	--	0.11	700
Mar. 6	1450	5.8	80	7.7	12.7	--	0.04	100
Mar. 20	1280	6.5	49	7.7	12.7	--	0.04	78
Apr. 3	1100	6.7	76	7.5	12.9	--	0.04	800
Apr. 17	1480	8.5	75	8.0	12.0	--	0.03	450
May 8	1360	10.1	260	7.4	11.7	--	0.05	400
May 15	1520	14.0	68	7.7	10.8	--	0.02	350
June 6	1160	15.8	73	7.7	10.8	--	0.02	---
June 19	940	14.5	81	7.9	10.8	--	0.02	---
July 11	848	15.5	83	8.1	10.5	--	0.01	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1973 (continued)								
July 24	758	17.4	86	8.2	10.8	--	0.01	---
Aug. 14	740	18.4	88	8.1	9.5	--	0.0	---
Aug. 28	638	14.6	180	7.9	10.0	--	0.02	---
Sep. 11	700	16.4	85	8.1	10.0	--	0.01	---
Sep. 25	785	11.8	91	7.9	11.2	--	0.01	---
1974								
Oct. 8	960	8.4	79	7.6	---	--	---	---
Nov. 13	970	7.1	82	8.0	---	--	---	---
Dec. 9	979	5.6	79	8.0	---	--	---	---
1975								
Jan. 14	3450	4.0	76	7.0	---	--	---	---
Feb. 24	2420	6.6	91	7.4	---	--	---	---
Mar. 18	4000	5.2	72	7.8	---	--	---	---
Apr. 28	2190	8.5	71	8.1	---	--	---	---
May 27	2660	11.4	48	7.7	---	--	---	---
June 25	2490	11.4	51	7.4	---	--	---	---
July 21	1390	17.6	62	7.8	---	--	---	---
Aug. 27	1060	14.4	65	7.6	---	--	---	---
Sep. 17	968	13.1	71	7.9	---	--	---	---

TABLE F-2. Selected Chemical Analyses, White Salmon River near Underwood, Washington

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1960								
Aug. 1	796	---	69	7.7	----	65	0.0	---
Aug. 31	672	---	69	7.5	----	70	0.2	---
Sep. 30	600	---	70	7.6	----	65	0.2	---
Oct. 31	600	---	68	7.3	----	69	0.3	---
Dec. 2	1100	---	58	7.5	----	55	0.2	---
1961								
Jan. 3	850	---	64	7.5	----	61	0.2	---
Feb. 1	2160	---	49	7.3	----	52	0.2	---
Feb. 28	2220	---	54	7.3	----	51	0.2	---
Mar. 31	1970	---	56	7.5	----	49	0.2	---
May 1	1940	---	51	7.4	----	48	0.1	---
June 1	1550	---	52	7.4	----	53	0.1	---
June 30	1070	---	63	7.4	----	64	0.1	---
July 31	867	---	66	7.4	----	62	0.1	---
Aug. 30	710	---	65	7.3	----	70	0.8	---
Oct. 2	647	---	68	7.5	----	66	0.1	---
Nov. 1	658	---	68	7.4	----	64	0.2	---
1962								
Jan. 23	917	---	62	7.3	----	65	0.1	---
May 23	1230	---	56	7.3	----	55	0.0	---
Aug. 31	610	---	70	7.4	----	67	0.1	---
Dec. 4	1480	---	55	7.3	----	58	0.1	---
1963								
Mar. 13	1050	---	58	7.2	----	57	0.2	---
June 5	986	---	59	7.2	----	61	0.2	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1963 (continued)								
Sep. 16	570	---	69	7.2	----	75	0.3	---
Dec. 11	746	---	60	7.0	----	60	0.3	---
1964								
Mar. 11	1280	---	62	7.2	----	61	0.2	---
June 11	1550	---	48	7.3	----	47	0.2	---
Oct. 14	658	---	69	7.4	----	67	0.2	---
Dec. 14	958	---	56	7.7	----	57	0.0	---
1965								
Apr. 5	1260	---	60	7.2	----	60	0.2	---
July 7	947	---	65	7.2	----	43	0.2	---
Nov. 30	610	---	68	7.1	----	64	0.4	---
1966								
Feb. 17	735	---	69	7.3	----	64	0.2	---
May 13	1750	---	50	7.2	----	47	0.0	---
Aug. 8	716	---	62	7.5	----	61	0.3	---
Dec. 29	921	---	60	7.4	----	57	0.3	---
1967								
Jan. 25	1410	---	60	7.5	12.2	61	0.2	0
Feb. 25	1290	---	61	7.5	11.9	66	0.1	36
Mar. 30	1280	---	60	7.5	11.6	56	0.2	91
Apr. 20	1040	---	62	7.3	12.3	59	0.1	210
May 26	1360	---	49	7.3	11.2	47	0.1	430
July 21	763	---	65	7.7	10.4	67	0.1	---
Sep. 21	573	---	70	7.3	11.5	64	0.1	36
Oct. 19	660	8	68	7.5	11.6	66	0.1	---
Nov. 17	813	7	59	7.4	11.6	60	0.1	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1968								
Jan. 11	878	4	59	7.4	12.2	56	0.2	---
Feb. 5	3180	4	46	7.3	13.5	44	0.4	---
Mar. 21	1520	7	57	7.3	13.3	59	0.1	---
Apr. 25	1120	8	58	7.4	13.3	53	0.2	82
May 14	1150	8	55	7.1	13.2	57	0.0	180
June 12	930	8	58	7.3	12.6	58	0.0	160
July 10	720	10	65	7.6	11.8	58	0.1	170
Aug. 12	574	10	67	7.6	12.4	63	0.2	370
Sep. 18	720	6	66	7.7	11.9	64	0.0	120
Oct. 21	800	8	56	7.6	12.0	59	0.1	100
Nov. 12	2220	6.2	41	7.0	12.0	45	0.2	470
Dec. 11	1540	4.8	53	7.3	11.0	51	0.1	1300
1969								
Jan. 22	1140	3.0	59	7.4	10.8	58	0.0	96
Feb. 17	1140	6.9	63	7.4	12.7	62	0.1	220
Mar. 11	1070	7.0	64	7.6	13.0	63	0.1	28
Apr. 15	1610	8.8	56	7.0	12.5	53	0.3	90
May 20	2490	10.5	40	7.1	11.6	43	0.0	176
June 24	1310	9.7	59	7.6	11.5	56	0.1	65
July 22	959	11.0	66	7.0	11.5	63	0.2	750
Aug. 19	779	9.8	68	7.4	11.5	63	0.3	140
Sep. 24	788	8.9	66	7.1	11.7	61	0.2	840
Oct. 21	645	8.3	67	7.2	12.0	62	0.1	55
Nov. 18	692	6.4	65	7.8	12.3	62	0.2	65
Dec. 16	893	4.2	60	7.2	12.5	56	0.2	500
1970								
Jan. 20	3280	3.5	41	6.6	13.0	36	0.5	1100
Feb. 17	3150	5.9	55	7.4	13.0	52	0.4	200
Mar. 17	2190	6.7	54	7.5	13.1	50	0.3	50
Apr. 14	1550	7.6	55	7.4	12.6	47	0.2	54

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1970 (continued)								
May 19	1530	10.1	49	7.2	12.2	51	0.2	96
June 16	1220	10.2	57	7.7	12.1	54	0.1	210
July 29	650	9.2	67	7.5	12.3	66	0.2	260
Aug. 18	680	10.5	--	---	12.4	--	---	30
Sep. 14	585	9.4	68	7.7	12.0	66	0.2	200
1971								
Nov. 9	640	6.7	61	7.3	12.0	--	0.068	350
Nov. 23	690	5.6	69	7.1	13.4	--	0.05	52
Dec. 14	1360	5.1	64	---	12.3	--	0.067	156
Dec. 28	808	4.6	--	7.1	13.4	--	0.14	6
1972								
Jan. 12	2720	5.1	--	7.2	12.9	--	0.22	300
Jan. 25	2720	3.4	52	7.5	13.6	--	0.26	20
Feb. 23	532	5.2	55	7.1	12.6	--	0.08	---
Mar. 1	689	3.7	--	---	----	--	0.05	1800
Mar. 15	3720	6.2	--	7.0	13.0	--	0.05	640
Mar. 28	2260	5.8	55	7.6	12.9	--	0.22	2
Apr. 12	2330	6.2	--	6.6	12.8	--	0.08	160
Apr. 25	1850	7.5	56	7.3	12.5	--	0.04	---
May 9	2340	7.0	47	7.1	12.5	--	0.05	10
May 24	2520	6.5	42	6.7	12.5	--	0.05	---
June 14	2000	8.5	52	6.7	11.6	--	0.07	270
June 27	1600	---	52	---	11.0	--	0.07	---
July 12	1350	9.5	59	7.5	12.0	--	0.08	100
July 25	1190	8.5	60	7.3	12.0	--	0.12	---
Aug. 9	1040	9.2	65	7.1	11.4	--	0.10	---
Aug. 22	970	9.5	87	7.2	10.8	--	0.07	---
Sep. 20	893	8.2	67	7.5	12.2	--	0.20	---
Sep. 27	941	7.0	63	7.3	12.6	--	0.15	---

Date	Mean Discharge	Temperature °C	Conductivity at 25°C	pH	Dissolved Oxygen (mg/l)	Dissolved Solids (mg/l)	Total Nitrate (mg/l)	Total Coliform per 100 ml
1972 (continued)								
Oct. 11	941	9.5	73	7.3	11.4	--	0.05	---
Oct. 24	----	7.0	63	7.3	13.0	--	0.05	---
Nov. 8	----	6.8	58	7.2	12.4	--	0.06	---
1973								
Feb. 17	----	----	--	---	----	--	----	---
Nov. 25	----	7.4	--	---	----	--	----	---

TABLE F-3. Surface-Water Quality Analyses from Miscellaneous Collection Locations, Klickitat River Basin, Washington

Date	Temperature °C	pH	Dissolved Solids (mg/1)	Conductivity at 25°C	Total Nitrate (mg/1)	Total Col. Form per 100 ml
			14110000 Klickitat River Near Glenwood			
Jan. 13, 1959		7.2	58	53	0.2	
June 2, 1959		7.0	42	45	0.2	
Aug. 27, 1959		7.5	71	74	0.2	
			14112500 Little Klickitat River Near Wahkaicus			
Jan. 13, 1959		7.3	68	76	2.2	
June 2, 1959		7.2	75	96	0.6	
Aug. 28, 1959		8.2	98	127	0.3	
			14108200 Klickitat River Below Soda Springs Creek near Glenwood			
Nov. 7, 1973	2.1	7.6		64	0.6	3
Feb. 6, 1974	1.2			60	0.8	<1
May 7, 1974	8.2			48	9.1	15
Aug. 7, 1974	11.7			54	0.5	1
			14109000 Big Muddy Creek Near Glenwood			
Nov. 7, 1973	1.8	7.6		62	0.4	<1
Feb. 6, 1974	1.4			61	0.6	<1
May 7, 1974	7.9			46	0.5	<1
Aug. 7, 1974	9.9			46	0.6	<1
			14110480 Trout Creek Near Glenwood			
Dec. 4, 1973	2.9			67	0.2	3
May 8, 1974	7.2			57	0.7	<1

Date	Temperature °C	pH	Dissolved Solids (mg/1)	Conductivity at 25°C	Total Nitrate (mg/1)	Total Col. Form per 100 ml
			14110490 Elk Creek Near Glenwood			
Dec. 4, 1973	3.4			83	0.4	1
May 8, 1974	0.1			62	0.3	1
			14110720 Outlet Creek Near Glenwood			
Dec. 4, 1973	1.8			49	1.6	3
Feb. 6, 1974	1.1			44	0.2	2
Apr. 9, 1974	7.7			58	1.5	3
June 11, 1974	15.8			54	3.1	110
Aug. 7, 1974	20.0			47	1 6	78
			14110800 White Creek Near Glenwood			
Nov. 7, 1973	3.2			139	0.8	<1
May 8, 1974	8.1			55	0.7	4
			14111100 Summit Creek Near Glenwood			
Nov. 7, 1973	1.4			78	1.2	10
May 8, 1974	7.6			57	1.4	4
			14111500 Klickitat River Below Glenwood			
Nov. 7, 1973	4.8			74	0.7	2
May 8, 1974	7.2			52	4.6	25

APPENDIX G

Ground-Water Quality Analyses, Klickitat County, Washington.

Appendix

Appendix G contains analyses of water samples collected from springs and wells within Klickitat County. Specific elements and ions include silica (SiO_4), chloride (Cl), hardness ($CaCO_3$ or CaMg), iron (Fe), sulfate (SO_4), calcium (Ca), magnesium (Mg), sodium (Na), potassium (K), bicarbonate (HCO_3), carbonate (CO_3), floride (F), nitrate (NO_3), and manganese (Mn). All results are presented in milligrams per liter. Specific conductance (cond) is presented in micromhos and temperature in °C.

TABLE G-1 Water-Quality Analyses from Selected Wells in Klickitat County, Washington

Well Number	Owner	SiO_4	Cl	$CaCO_3$	Fe	SO_4	Ca	Mg	Na	K
2/13--27B1	L. C. Tidyman	104	20.0	626						
28A1	Akira Ogawa	41	12.0	234						
28J1	Owen Sison	39	8.3	187						
33R1	Spokane, Portland & Seattle Railroad	51	4.0	84	0.04	18.0	20.0	8.3	22	4.5
34E1	C. T. Smith	44	5.4	121						
2/15--77M3	Spokane, Portland & Seattle Railroad	53	22.0	187						
3/11--30F1	Underwood Fruit & Warehouse Company	--	4.8	65	0.0	0.7	16.0	6.1	11	3.0
3/14--14N1	Alvin Randall	47	5.4	108						
24P1	L. D. Haverstick	52	18.0	118						
3/15--4H1	Ray Beyerlin	37	9.3	102						
5L1	Peter Anderson	50	8.3	83						
8R1	Harold Isaacson	44	15.0	87						
12A1	Calvin Linden	57	15.0	114						
14D1	Centerville Grange									
21B1	Lyle Woods	61	2.5	70	0.73	0.0	15.0	8.0	12	1.1
26B1	M. H. Eshelman	59	9.3	159						
32C1	E. T. Morran	59	9.3	83						
3/16--4H1	Bert Beyerlyn	41	5.4	83						
4P1	C. A. Gronewald	51	5.9	100						
5A1	O. L. Hamilton	57	6.4	65						
7E1	Frank Linden	60	10.0	91						
8K1	Frank Linden	64	6.4	81						
18D2	L. J. Eshelman	58	17.0	211						
3/17--20L1	Walter Thompson	46	4.4	71						
29A1	Corps of Engineers	60	6.4	100						
3/21--17F1	West Roosevelt	37	27.4	196	0.68	39.3	45.2	20.2	13.0	2.6
24H1	Gas-Ice Corp.	129	6.4	729	11.0	3.4	120.0	106.0	63.0	10.0

Appendix

HCO_3	CO_3	F	NO_3	PO_4	Cond.	Temperature °C	Date Collected	Depth of Well
					1319	15	3/22/66	280
					450	16	3/22/66	169
					297	8	3/22/66	
137	0	--	0	--	--	16	7/28/30	148
					236	16	3/23/66	260
					493	--	3/22/66	475
107	0	0.2	0	.09	145	17	10/29/59	265
					198	14	10/20/65	112
					256	13	10/19/65	90
					219	13	10/20/65	
					174	13	10/20/65	
					201	13	10/19/65	
					268	12	10/12/65	
						12		110
111	0	0.4	0.8	--	183	12	6/28/60	70
					374	--	10/18/65	
					182	12	10/18/65	175
					227	17	10/05/65	
					212	--	10/18/65	
					139	13	10/05/65	
					222	11	10/12/65	150+
					336	12	10/12/65	150
					386	12	10/04/65	70
					107	--	10/22/65	125
					273	18	10/22/65	769
259	--	0	0.7	0	510	6.7	3/14/63	223
1060	0	0.4	0.3	0.03	1410	--	10/21/64	295

TABLE G-1 (Con't)

Well Number	Owner	SiO_4	Cl	$CaCO_3$	Fe	SO_4	Ca	Mg	Na	K
4/14--19C1	Gas-Ice Corp.	89	3.2	172	2.8	0.0	27.0	25.0	30.0	
4/15--1F1	C. E. Mesecher	44	4.4	77						
2J1	C. J. Butts	41	3.4	67						
2N1	G. E. Clouse	62	8.3	85						
5L1	Ronald Alexander	26	12.0	33						
9F1	Ray Hill	71	9.3	262						
12B1	E. H. Amidons	40	4.4	49						
12R1	Bert Knox	41	7.3	61						
13C1	Harold Hill	27	15.0	91						
13K1	Claude Knight	50	11.0	114						
13K2	Claude Knight	35	5.9	61						
14Q1	Ray Hill	24	5.9	20						
15H1	Griselda Hill	43	7.3	55						
21K1	R. M. Divers	38	4.4	73						
23D1	B. F. Dunn	27	5.4	171						
25A1	Ray Shawl	35	23.0	198						
26A1	R. M. Largent	64	3.4	116						
26R1	S. H. Lester	37	5.9	98						
4/16--2L1	C. G. McLary	89	7.8	--						
2N1	Lewis Walter	75	9.8	333						
3L1	Louise Billy	56	5.4	136						
6H1	R. W. Smith	20	12.0	37						
10B2	M. Firch	43	20.0	175						
11M1	C. M. Barrett	55	6.4	118						
14P1	H. L. Norris	49	5.9	132						
16Q2	Goldendale City	45	0.3	416	0.26	0.0	53.6	68.5	68.5	11.4
		45	0.3	388	0.18	0.2	43.2	55.5	61.0	61.0
17R1	G. J. Timmer	51	8.3	159						
18A1	Amos Bonjour	78	4.9	14						

Appendix

HCO_3	CO_3	F	NO_3	PO_4	Cond.	Temperature °C	Date Collected	Depth of Well
284	0	1.1	0.2	0.02	429	23	10/21/64	200
					126	13	10/08/65	186
					126	13	10/11/65	160
					191	12	10/11/65	60
					364	13	10/13/65	147
					576	13	10/07/65	91
					118	11	10/08/65	105
					204	--	10/07/65	
					308	14	10/07/65	320
					301	12	10/08/65	91
					253	11	10/08/65	
					176	13	10/07/65	128
					92	--	10/07/65	65
					316	13	10/13/65	102
					379	13	10/07/65	80
					382	12	10/04/65	86
					221	11	10/13/65	--
					196	13	10/04/65	40
					763	13	10/14/65	60
					691	--	10/14/65	125
					277	--	10/12/65	319
					109	12	10/09/65	360
					404	12	10/14/65	265
					348	--	10/23/65	245
					335	13	10/05/65	120
--	0.4	<0.02	--	--	--	--	4/16/74	
--	0.4	<0.02	--	--	--	--	4/18/74	880
					330	12	10/13/65	155
					166	12	10/07/65	140

TABLE G-1 (Con't)

Well Number	Owner	SiO_4	Cl	$CaCO_3$	Fe	SO_4	Ca	Mg	Na	K
20A1	Klickitat County	47	6.2	110	0.16	3.8	21.0	14.0	13.0	2.0
20M1	C. L. Storkel	51	8.8	89						
21F1	Klickitat County School Dist. #404	--	8.3	85						
26C1	G. W. Willis	49	7.8	96						
27A1	W. P. Cunningham	52	8.3	81						
29J1	Ted Hornibrook	--	4.9	51						
30F1	Ross Crafton	54	7.3	65						
4/17-- 7D1	L. E. Schroder	56	8.8	120						
18G1	Ronald Roe	55	14.0	249						
19F1	Carl Kloker	55	9.8	75						
32J1	Cecil McDowel	64	30.0	217						
5/12-- 4H1	Agnes Miller	--	1.0	94	0.08	2.0	21.0	10.0	8.5	4.7
4H2	Agnes Miller	--	1.5	23	0.33	1.5	5.1	2.6	3.2	2.0
5/14--21A1	Washington State Department of Game	63	6.8	114						
24J1	Floyd Thompson	41	2.9	75						
5/15--22J1	John Bronkhurst	37	2.9	35						
24L1	Ray Gosney	34	4.4	69						
27G1	L. L. Lightfoot	51	7.8	104						
30J1	A. L. King	39	3.9	57						
33J1	R. E. Hunter	33	3.9	65						
34D1	H. W. Freer	37	4.4	71						
5/16--30E1	Hackett	28	3.9	87						
31E1	L. Case	37	2.9	49						
5/23-- 3A	R. J. Petersen	55	27.0	165	0.0	46.0	46.0	12.0	29.0	4.3
6/12-- 2D1	Francis Bean	--	0.7	22	2.1	1.0	5.2	10.0	2.7	0.8
3M1	L. C. Rolph	--	1.0	30	0.07	2.0	7.6	2.7	3.2	1.6
10M1	BIA Ranger Station	--	0.5	23	0.22	0.3	5.2	2.5	3.6	2.0
11E2	L. D. Lloyd	--	0.8	28	0.11	1.5	7.9	2.1	2.8	2.2

Appendix

HCO_3	CO_3	F	NO_3	PO_4	Cond.	Temperature °C	Date Collected	Depth of Well
145	0	0.3	8.0	0.1	271	13	5/19/60	200
					206	12	10/04/65	88
					191	12	8/30/65	90
					212	14	10/05/65	247
					192	14	10/05/65	46
					134	13	8/30/65	118
					149	12	10/04/65	49
					296	12	10/22/65	380
					484	11	10/23/65	125
					169	--	10/23/65	150
					480	11	10/06/65	78
124	--	0.2	0.19	--	195	12	7/17/74	225
36	--	0.1	0.07	--	68	--	7/17/74	19
					287	12	10/13/65	385
					152	12	10/13/65	182
					64	10	10/09/65	
					145	12	10/13/65	470
					231	--	10/11/65	
					130	11	10/13/65	
					161	12	10/11/65	148
					170	11	10/11/65	162
					187	11	10/09/65	225
					142	13	10/08/65	387
163	--	0.3	10.0	--	464	17	5/05/61	81
32	--	0.0	0.01	--	50	7	7/11/74	131
50	--	0.0	0.09	--	82	11	7/11/74	50
39	--	0.1	0.05	--	62	6.1	7/11/74	300
44	--	0.1	0.04	--	75	10	7/16/74	13

TABLE G-1 (Con't)

Well Number	Owner	SiO_4	Cl	$CaCO_3$	Fe	SO_4	Ca	Mg	Na	K
35H1	Paul Ladiges	--	1.4	47	0.5	1.5	11.0	4.8	4.2	2.0
6/23-- 11Q	G. Smith	57	9.8	47	0.2	2.2	12.0	4.1	55.0	11.0

Appendix

HCO_3	CO_3	F	NO_3	PO_4	Cond.	Temperature °C	Date Collected	Depth of Well
64	--	0.1	0.45	--	110	9	7/18/74	104
195	--	1.0	0.10	--	344	21	4/30/62	670

TABLE G-2. Water Quality Analyses from Selected Springs in Klickitat County.

Name	Spring No.	Date	Fe	Mn	Ca	Mg	Na	K	HCO_3	SO_4	Cl	F	NO_3	CaMg	Cond.
M.A. Leonardo	2/13/-21Cls	7/29/30	0.03	--	22.0	11.0	7.8	2.1	116	8.6	5.0	--	7.0	100	--
	5/11/-15Dls	5/6/74	0.12	0.0	27.0	9.2	5.4	1.3	123	1.3	1.1	0.0	--	110	192
	5/11-16Jls	5/3/74	0.41	0.0	5.6	1.6	3.1	0.6	30	1.3	1.1	0.0	--	21	51
	5/12-8Hls	4/25/74	0.38	0.0	15.0	7.4	6.1	2.1	95	1.4	1.5	0.0	--	68	152
Draper Springs	6/12-7Als	7/16/74	0.02	0.0	4.2	2.2	2.6	1.9	33	0.1	0.5	0.1	0.08	20	55
Willard Spring	6/12-30Als	4/4/74	0.12	0.0	3.6	2.5	2.8	1.9	30	0.1	0.5	0.0	2.0	19	55
Conboy Lake National Wildlife Refuge	6/12-32Els	4/4/74	0.01	0.0	4.5	3.0	3.4	2.5	38	1.1	0.3	0.0	0.17	24	67
Wonder Spring	6/13-3Els	2/24/74	0.05	0.0	8.9	4.5	4.2	1.1	59	1.1	0.2	0.1	0.05	41	97
	6/13-3Qls	9/4/74	0.05	0.0	5.8	2.7	3.9	1.8	45	0.6	1.0	0.1	0.13	26	78
Wash. Dept. of Fish & Game	6/13-4Hls	10/10/74	2.20	0.06	110.0	95.0	160.0	16.0	1130	2.6	49.0	0.4	0.49	670	1660
Cascade Spring	6/13-10Rls	12/4/73	--	0.0	5.9	2.9	4.0	2.1	45	1.1	0.7	--	0.11	27	72
		2/6/74	--	--	5.4	3.2	4.0	2.1	45	1.6	1.1	--	0.11	27	76
		5/7/74	--	--	6.1	3.2	3.8	2.1	46	1.3	0.9	--	--	28	79
		9/4/74	0.25	0.0	6.1	2.8	4.9	2.5	47	0.6	1.0	0.1	0.16	27	80
	6/13-10R2s	5/7/74	0.02	0.0	7.9	3.5	3.9	1.4	48	1.1	1.1	0.0	--	34	77
	6/13-10R3s	5/7/74	0.02	0.0	12.0	3.6	4.2	1.3	48	1.1	1.1	0.0	--	45	83
	6/13-15Als	5/7/74	0.02	0.0	6.3	3.4	3.8	1.3	47	1.1	1.0	0.0	--	30	85

APPENDIX H

Water-Right Claims, Klickitat County, Washington

Appendix H contains listings of all water-right claims for both surface and ground-water in Klickitat County. Claims are listed by township. Range and section and quantities are listed by instantaneous and/or annual amounts. Code for uses is D-domestic, S-stock, I-irrigation, N-industrial, P-public supply.

TABLE H-1 Water-Right Claims on Surface Waters, Klickitat County Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 10 E.				
Unn. Stream	1	Gov. Lot 4	12/04/59	Davison, G.E.	0.01		D	Y
Big White Salmon River	14	SW4 NW4	2/26/53	USFWS	30.0		S	Y
				T. 3 N., R. 11 E.				
Unn. Stream	3	SW4	1/30/59	Lionberger, I.D.	0.03		D,S	Y
Columbia River	30	N2 S2	4/07/71	Dickey Farms, Inc.	0.67	156.0	I,N	N
Jewett Creek	30	N2	6/23/73	Eugene, J./Karl, L.E.	0.026		I	N
Jewett Creek	30	NW4 NE4	9/20/57	Dickey, J.	0.60	120.0	I,N	Y
Columbia River	32	Gov. Lot 4	4/07/71	Dickey Farms, Inc.	0.71	93.0	I	Y
				T. 3 N., R. 12 E.				
Chamberlain Lk.	33	Gov. Lot 2	6/26/69	Clark, D.C.	1.43	336.0	I,S,D	Y
				T. 4 N. R. 10 E.				
Hangman Creek	1	Gov. Lot 2	7/31/68	Mt. Adams Orchards Co.	0.2	70.6	D,I,N	N
Gilmer Creek	1	SW4 SW4	7/31/22	May, G.H.	0.5		I	Y
Gilmer Creek	1	SW4 SW4	9/24/43	Strode, B.A.	0.2		I	Y
Peck Creek	2	Gov. Lot 4	5/25/21	McFarland, J.M.	0.3		I,D	Y
Spring Creek	2	NW4 SE4	4/20/44	Harrison, C.R.	0.02		D,I	Y
Peck Creek	2	SW4 NE4	10/26/59	Kyte, A.D.	0.06	9.0	I,D	Y
Peck Creek	2	SE4 NW4	10/26/59	Gross, G.E.	0.03		D	Y
B Z Creek	3		5/08/34	B.Z. Corners Water Co.	0.05		D	Y
McFarland Crk.	11	E2 NW4	8/01/73	Veta Hays	0.01	1.0	D	N
Old Logging Camp Creek	11	N2 SW4	8/29/22	Colburn, C.L.	.05		I,D	Y
Cedar Creek	11	SE4 NW4	5/03/29	May, G.H.	0.1		D,I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
E. Spring Crk.	11	SE4 SW4	8/02/38	McIlroy, M.S.	0.1		D,I	Y
Carstens Creek	12	SW4 NW4	11/19/30	Bieanz, W.A.	0.05		D,I	Y
Carstens Creek	12	SW4 NW4	12/24/32	Wallace, F.D.	0.07		D,I	Y
White Salmon R.	12	SE4 SW4	12/27/66	Yarnell, B.H.	0.8	120.0	I	Y
White Salmon R.	12	NW4 SW4	8/23/68	Moon, L.E.	0.04	5.0	D,I	Y
White Salmon R.	13	SE4 SE4	9/03/30	Jones, F.T.	33.01		I,N	Y
Unn. Stream	13	SE4 SW4	11/20/51	Jones, T.N.	0.33	75.0	D,S,I	Y
White Salmon R.	13	NW4 NE4	6/17/74	Tolbert, J.M.	0.37	49.0	I	N
Buck Creek	16	SE4 SE4	5/18/23	Town of White Salmon	2.0		M	Y
Buck Creek	16	SE4 SE4	2/13/57	Town of White Salmon	2.0	688.0	M	Y
Spring Creek	24	SW4 SE4	11/27/72	Smith, Lane	0.92	182.0	D,S,I	N
White Salmon R.	24	NE4 NE4	8/08/73	Schambron, D.A.	1.5	529.0	D,S,I	N
Unn. Stream	24	NW4 NW4	10/02/67	Mordecai/Jones, F.	0.05	9.0	D,I	N
Spring Creek	25	NE4 SW4	12/11/72	Armstrong, Leighton	0.02	2.0	D	N
White Salmon R.	25	SE4 NE4	3/02/70	Mitchell, L.C.	0.09	12.5	D,I	Y
White Salmon R.	25	SE4 NE4	5/07/74	Locke, William Ralph	0.125	9.0	D,I	N
White Salmon R.	26	SE4 SE4	9/04/74	Frank, Leo B.	0.21	30.0	I,D	N
Buck Creek	27	NW4 SE4	5/18/23	White Salmon Irrigation District	4.5		I	Y
Buck Creek	27	SE4	1/20/60	White Salmon Irrigation District	2.0	472.0	M,I	Y
Cathy Creek	36	SE4 NW4	6/14/54	Moon, H.L.	0.48	72.0	I,S	Y
Unn. Stream	36	SE4 SE4	7/13/55	Fordyce Spring, INC.	0.23		D	Y
White Salmon R.	36	NW4 NE4	2/14/68	Talbert, H.W.	0.01	2.0	D	Y
White Salmon R.	36	NE4 NE4	11/05/69	Costanzo, F.	0.9	166.0	I	Y
White Salmon R.	36	NE4	7/01/74	Hopper, William J.	0.46	49.0	D,I	N
				T. 4 N., R. 11 E.				
Unn. Stream	1	NE4 SW4	11/25/64	Rink, R.	0.0075	1.0	D	Y
Unn. Stream (Whiskey Crk.)	5	SE4 NW4	8/02/68	Ehl, Kathreen	0.07	7.0	D,P	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Gilmer Creek	6	Gov. Lot 2	7/16/68	Mr. Adams Orchards	0.1	58.1	D,I,N	N
Unn. Stream	5	Gov. Lot 4	8/02/68	Ehl, Kathreen	0.1	10.0	I	N
Weberg Creek	35	NE4 SW4	4/29/52	Venden, J.O.	0.03		I,D	Y
Weberg Creek	35	NW4 SE4	5/31/74	Peiper, J.A.	0.015	2.0	D	N
Unn. Stream	36	SW4 SE4	12/19/29	McCormick, A.C.	0.1		N,D	Y
				T. 5 N., R. 11 E.				
Gilmer Creek	31	SW4 SE4	5/31/67	Mt. Adams Orchards Co.	0.745	80.0	I	Y
				T. 5 N., R. 12 E.				
Hurd Creek	30	NE4 SW4	3/12/25	Independent Box Co.	0.0166	0.125	D	Y
				T. 6 N., R. 10 E.				
Trout Lake Crk.	22	NE4 NE4	7/01/74	Pearson, Monte	5.0		D,S,I	N
Trout Lake Crk.	22	NE4 NE4	7/01/74	Pearson, Monte	6.0		D,S,I	N
Cave Creek	27	NE4	8/22/73	Ordway, R.C.	0.02	7.6	D,S,I	N
Cave Creek	27	SE4	9/03/75	Chambers, Donald H.	0.02	2.0	D	N
Cave Creek	28	SE4	8/22/68	Jennings, R.L.	0.3	30.0	I	Y
				T. 6 N., R. 11 E.				
Unn. Stream	20	SW4 SE4	11/08/48	Halse/Fisher	0.03		D,S	Y
Unn. Stream	29	SE4 SW4	6/27/74	Williams, Larry	1.5	283.0	I	N
White Salmon R.	31	SE4 SE4	1/26/76	Clausen, V.H.	0.02		D,I	N
				T. 2 N., R. 13 E.				
Spearfish Lake	25	SW4 NW4	11/13/64	Eddins Brothers	1.0	200.0	I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
Bonneville Pool	28	Gov. Lot 2	10/17/30	N. Dalles Irrigation District	5.0		D,I	Y
Bonneville Pool	28	Gov. Lot 2	6/26/62	N. Dalles Irrigation District	0.67	240.0	I	Y
				T. 2 N., R. 14 E.				
Eight Mile Crk.	8	NW4 NW4	6/12/52	Reuter, J.A.	0.54		D,S,I	Y
				T. 2 N., R. 15 E.				
Celilo Lake	12	NE4 SW4	12/18/67	Jaekel, L.B.	2.0	325.0	I	Y
				T. 2 N., R. 16 E.				
Columbia River	4	Gov. Lot 5	2/20/70	Washington State Parks Com.	0.5	72.0	I	N
				T. 3 N., R. 12 E.				
Unn. Stream	3	Gov. Lot 4	7/27/67	Tuthill, P.E.	1.0	240.0	I	N
Unn. Stream	3	NW4 SW4	3/24/70	Rosenbaum	0.01	1.0	D	N
Unn. Stream	9	SW4 NE4	5/01/57	Mattox, P.E.	0.09	12.0	I,D	Y
Silvas Creek	10	SW4 SE4	8/22/55	Bolter/Landgraf	0.03		N	Y
Silvas Creek	15	NE4 NE4	3/16/65	Pimley, R.	0.02	4.0	D	Y
Klickitat River	25	NE4	6/25/74	Frey, Spencer	1.4	231.0	I	N
Klickitat River	26	SE4	6/12/47	Washington State Dept. Fisheries	250.0		S	Y
				T. 3 N., R. 13 E.				
Unn. Stream	2	SE4 NE4	6/07/73	Cameron, Hugh		0.6	S	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Unn. Stream	7	SE4 SW4	5/05/37	Chilcote, G.H.	0.06		D,N	Y
Rattlesnake Crk	10	SE4 NE4	3/20/73	Markgraf, Frank D.	0.88	166.0	I	N
Unn. Stream	11	SW4	4/14/75	Fromer, Martin B.	0.3	100.0	I	N
Unn. Stream	15	NE4 SW4	5/13/47	Hendryx, R.	0.40		D,I	Y
White Salmon R.	19	Gov. Lot 4	11/27/72	Smith, Lane	0.02	2.0	D,S	N
White Salmon R.	19	Gov. Lot 4	7/30/65	Mansfield, R.J.	0.25	51.0	I	Y
Unn. Stream	19	NW4 NE4	11/24/71	Smith, Charles D.	0.25	54.0	I,S	N
White Salmon R.	19	Gov. Lot 3	7/25/66	Glacier Orchards	1.0	300.0	I	N
Unn. Stream	21	SW4 SW4	10/14/68	Bondurant, J.C.	0.04	5.0	D,S,I	Y
White Salmon R.	30	Gov. Lot 2	11/30/71	Anderson, F.J.	1.50	367.0	S,I	N
White Salmon R.	30	Gov. Lot 2	8/15/72	Duhrkop, Lester N.	1.0	75.4	I	N
White Salmon R.	30	Gov. Lot 2	12/03/73	Duhrkop, Lester N.	2.0	26.0	I	N
West Major Crk.	35	NW4 SW4	5/09/63	Ogilvie, F.	0.01	2.0	D,S	Y
West Major Crk.	35	SW4 NW4	11/05/64	Fritchey, T.	0.2	40.0	I	Y
				T. 4 N., R. 12 E.				
Unn. Stream	31	SE4 SE4	12/11/64	Graves, S.		9.5	S	Y
Unn. Stream	31	SE4 SE4	10/20/60	Graves, S.	0.2		S	Y
				T. 5 N., R. 10 E.				
Unn. Stream	1	NE4 SW4	5/28/64	Maxwell, S.H.	0.0075		D,S	Y
Klickitat River	5	SE4 NW4	2/08/73	Bartholomew, Basil	0.01	1.4	I	N
Klickitat River	5	SE4 NW4	9/07/67	Miller, H.E.	0.09	18.0	D,I	Y
Klickitat River	5	SE4 NW4	9/18/67	Wark, D.E.	0.01	2.0	D	Y
Klickitat River	8	NE4 SW4	8/22/73	Whittum, Donald J.	0.05	18.0	I,D	N
Klickitat River	8	SE4 NW4	4/30/74	Patterson, Fred	0.02	4.0	I	N
Unn. Stream	10	SE4 SE4	9/15/54	Marx, P.		1.75	S	Y
Klickitat River	19	SE4 NW4	4/11/69	Pimley, S.	0.2	32.0	I	Y

TABLE H-1 (Cont'd). Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 16 E.				
Unn. Stream	36	Gov. Lot 3	3/18/29	Warren, C.	0.1		I,D	Y
				T. 4 N., R. 12 E.				
Unn. Stream	11	SE4 NW4	9/24/56	Case, R.W.	0.01	1.0	S	Y
Unn. Stream	28	NE4	4/11/75	Lewis, Bruce H.	0.22		D,I	N
				T. 4 N., R. 13 E.				
Skookum Canyon Creek	2	SW4 NW4	8/04/70	Woodruff, J.M.	2.0	333.0	I	N
Klickitat River	23	SE4 NW4	8/30/73	St. Regis Paper Co.	2.0	941.0	P,N	N
Klickitat River	27	NE4 NW4	4/01/69	Meyer, T.A.	0.81	131.0	I,S	Y
Klickitat River	28	SE4	8/22/73	Hart, Howard M.	0.04	7.0	I	N
Klickitat River	28	SE4 NE4	2/20/74	Kessinger, Billie J.	0.05	8.3	I	N
Klickitat River	28	NE4 SE4	11/24/69	Cowell, T.E.	0.04	6.7	I	Y
Klickitat River	28	SE4	5/28/74	Hart, Howard M.	0.2	13.0	I	N
Klickitat River	32	NE4 SW4	6/23/72	Hathaway, Everett	0.5	100.0	I	N
				T. 4 N., R. 14 E.				
Unn. Stream	1	SE4 NW4	8/01/74	Sipe, Kenneth D.		6.0	S	N
Bowman Creek	2	Gov. Lot 2	1/05/50	McEwen, C.F.	0.2	60.0	I	Y
Klickitat River	9	SE4 NW4	3/18/64	Morgan, H.	0.16	32.0	I	Y
Klickitat River	17	NE4 SW4	7/15/57	Emerson, W.F.	0.1	24.0	I	Y
Klickitat River	17	SW4 NE4	12/02/68	Lauerman, L.H.	0.02	2.0	I	Y
Klickitat River	18	SE4 SE4	8/19/71	Morehead, Irvin J.	0.12	17.0	I	N
Klickitat River	18	SE4 SE4	5/22/73	Anderson, Edwin R.	0.01	2.0	D	N
Klickitat River	19	Gov. Lot 1	8/16/71	Robinson, Harry E.	0.36	51.4	I	N
Unn. Stream	21	NE4	2/14/74	Van Belle, Leroy		3.0	S	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 4 N., R. 15 E.				
Unn. Stream	2	SW4	00/00/1897	Spalding, Daryl C.	0.01	0.03	S	N
Blockhouse Crk.	3	SW4 SE4	00/00/1878	Knox, Bert H.	0.34	58.14	I	N
Blockhouse Crk.	3	SW4 SE4	00/00/1897	Steele, Joseph F.	0.01	0.01	S	N
Blockhouse Crk.	3	NW4 SE4	00/00/1887	Schroder/Winterstein	0.42	71.82	I	N
Blockhouse Crk.	3	NW4 SE4	00/00/1887	Schroder/Winterstein	0.02	1.0	D	N
Blockhouse Crk.	3	NW4 SE4	00/00/1878	Wishram Land Co.	0.11	18.81	I	N
Unn. Stream	3		00/00/1897	Wishram Land Co.	0.1	17.1	I	N
Mill Creek	4	NW4 NW4	10/29/47	Calvert, O.L.	0.75	270.0	I	Y
Unn. Stream	5	NE4 NW4	1/27/50	Thompson, C.G.	0.01		D,I	Y
Mill Creek	5	SE4 NE4	7/21/75	Thiele, Dale	2.0		I	N
Mill Creek	7	NE4 NE4	8/18/75	Harris, James M.	2.0		I	N
Unn. Stream	9	SW4 SE4	1/08/70	Boardman, Robert W.	0.2	2.0	D,S	N
Blockhouse Crk.	9	SE4 SW4	9/29/64	Gillenwaters, D.	0.05		N,D	N
Blockhouse Crk.	9	SW4 SE4	00/00/1897	Woodward, John T.	0.01	0.01	S	N
Blockhouse Crk.	9	SE4 SE4	00/00/1897	Gillenwaters, D.	0.01	0.01	S	N
Blockhouse Crk.	9	NE4 SE4	00/00/1897	Woodward, K.	0.01	0.01	S	N
Blockhouse Crk.	9	NE4 SE4	00/00/05	Woodward, K.	0.02	3.42	I	N
Blockhouse Crk.	9	NE4 SE4	00/00/05	Woodward, K.	0.74	126.54	I	N
Blockhouse Crk.	9	SE4 NE4	00/00/1897	Ihrig, Robert	0.01	0.01	S	N
Blockhouse Crk.	9	SE4 NE4	00/00/21	Ihrig, Jason	1.2	205.2	I	N
Blockhouse Crk.	9	S2 SE4	00/00/1897	Bellamy, Paul L.	0.01	0.02	S	N
Blockhouse Crk.	9	SW4 SE4	00/00/1897	Woodward/Hatfield	0.01	0.02	S	N
Blockhouse Crk.	10	N2	7/17/73	Hutton, Robert F.	1.0		D,S,I	N
Blockhouse Crk.	10	NE4 SE4	00/00/04	Ihrig, Jason	0.15	25.65	I	N
Blockhouse Crk.	10	NW4 NW4	00/00/1899	Beebe, George	1.02	174.4	I	N
Blockhouse Crk.	10	SE4 NE4	00/00/12	Beebe, George	0.02	0.17	D,S	N
Blockhouse Crk.	10	NE4 NW4	00/00/1880	Hutton, Robert F.	0.02	3.42	I	N
Blockhouse Crk.	10	NW4 NE4	00/00/1897	Hutton, Robert F.	0.01	0.05	S	N
Blockhouse Crk.	10	SE4 SE4	00/00/1897	Imrie, Robert	0.01	0.09	S	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Spring Creek	11	NW4 SE4	7/29/38	Washington State Dept. Game	10.0		S	Y
Unn. Stream	11	SE4 SW4	10/04/48	Campbell, C.H.	0.01		D	Y
Spring Creek	11	SE4 SW4	10/04/48	Campbell, C.H.	0.15		I	Y
Blockhouse Crk.	11	NW4	00/00/1897	LeFever, Charles H.	0.01	0.09	S	N
Spring Creek	14	NW4 SW4	6/26/72	Hill, Raymond C.	2.0		I	N
Spring Creek	15	SW4 SW4	6/10/44	Beddoe/Starr	3.0		I	Y
Spring Creek	15	NE4 SW4	7/24/46	Butler, G.W.	1.6		I	Y
Spring Creek	15	SE4	9/10/47	Morris, A.L.	1.0		I	Y
Spring Creek	15	SE4 SW4	7/09/48	Tupper, C.L.	0.13	30.0	I,D	Y
Spring Creek	15	SE4	3/11/76	Rose, Gordon A.	2.0		I	N
Blockhouse Crk.	16	NE4 NW4	8/29/41	Bowen, B.T.	0.20		D,I	Y
Blockhouse Crk.	16	SE4 NW4	6/10/44	Beddoe/Starr	2.0		I	Y
Blockhouse Crk.	16	NE4	00/00/1897	Washington St. Dept. Natural Resources	0.01	0.04	S	N
Blockhouse Crk.	16	NW4	00/00/1897	Washington St. Dept. Natural Resources	0.01	0.06	S	N
Blockhouse Crk.	16	NW4 NE4	00/00/01	Woodward, John T.	0.08	13.68	I	N
Blockhouse Crk.	16	NE4 NW4	00/00/1897	McGrew, Richard C.	0.01	0.01	S	N
Blockhouse Crk.	16	NE4 NW4	00/00/09	McGrew, Richard C.	0.5	85.5	I	N
Blockhouse Crk.	16	SE4 NW4	6/10/44	Tupper, C.L.	3.04	519.84	I	N
Blockhouse Crk.	16	NE4 NW4	00/00/14	Bellamy, Paul L.	0.02	3.42	I	N
Blockhouse Crk.	17	SW4	00/00/1897	Hornibrook, R.E.	0.01	0.18	S	N
Blockhouse Crk.	17	NE4 SE4	00/00/1897	Bellamy, Paul L.	0.01	0.09	S	N
Blockhouse Crk.	18	SE4	00/00/1897	Cunliffe,R.G.	0.01	0.09	S	N
Blockhouse Crk.	19	SE4	00/00/1897	Tupper, C.L.	0.01	0.25	S	N
Unn. Stream	23	SW4 NW4	5/18/64	Dunn, B.F.	2.0	600.0	I	Y
				T. 4 N., R. 16 E.				
Bloodgood Crk.	8	SE4 SW4	4/12/26	Elliott, J.	0.5		I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Bloodgood Crk.	8	SE4 SW4	9/27/39	Pascoe, W.W.	0.2		I	Y
Bloodgood Crk.	8	SE4 NW4	4/06/49	Olson, V.L.	0.08		I	Y
Little Klickitat River	10	NE4 SW4	6/26/74	Koenig, Charles A.	0.02	2.0	D	N
Bloodgood Crk.	17	SE4	7/01/22	Smith, J.D.	0.1		D,S,I	Y
Unn. Stream	17	NW4 SE4	4/14/65	Powell, G.	0.01	2.0	D	Y
				T. 5 N., R. 11 E.				
Unn. Stream	23	SE4 SE4	11/21/25	Standard Lumber Co.	0.5		N	Y
				T. 5 N., R. 15 E.				
Devils Canyon Creek	1	SW4 NW4	4/06/76	Seward, Melvin	2.0	10.0	I	N
Devils Canyon Creek	3	SE4 SE4	5/21/46	Lewis, C.M.	0.3		I	Y
Mill Creek	10	SW4 NE4	1/02/73	Ray, James W.	0.02		D	N
Devils Canyon Creek	10	NW4 SW4	5/23/46	Bronkhorst, J.	0.3		I	Y
Unn. Stream	10	NW4 SW4	5/23/46	Bronkhorst, J.	0.2		I	Y
No Name Creek	10	SE4	4/28/76	Davis, Jeffrey W.	0.0077		D	N
Devils Canyon Creek	14	SW4 SW4	6/30/55	Popenoe, J.W.	0.3	80.0	I	Y
Unn. Stream	24	NW4 NE4	2/23/76	Lane, Larry	0.01		D	N
Pothole Lake	25	NW4 SE4	3/03/69	Case, Lloyd	1.0	100.0	I	N
Unn. Stream	31	SE4	8/22/63	Schilling, P.		9.9	S,I	Y
Smith-Warren Creek	32	SW4 SW4	7/15/75	Keech, Henry H.	0.5		I	N
Mill Creek	33	NE4 NE4	1/25/50	Freer, H.W.	0.5		I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 5 N., R. 16 E.				
Unn. Stream	23	NE4 SW4	7/20/60	Tyler, G.	0.02		D,S	Y
Cozy Nook Creek	23	NE4 SW4	1/20/72	Tyler, G.	0.111		D,S	N
Cozy Nook Creek	26	NW4 SE4	8/23/71	San Refugio Ranch		120.0	I	N
Cozy Nook Creek	26	SE4 NW4	4/23/68	San Refugio Ranch	1.0	48.2	I	Y
Cozy Nook Creek	26	SE4 NW4	8/23/71	Van Aelst, Neil	1.0	111.8	I	N
Unn. Stream	34	SE4 SE4	9/25/64	Van Aelst, Neil		12.2	I	Y
				T. 5 N., R. 17 E.				
Little Klickitat River	3	SW4 NE4	8/26/66	Washington State Parks Com.	0.025	5.0	D	Y
Dry Creek	4	SE4 NE4	2/02/61	Saal, C.F.	0.6	90.0	I	Y
				T. 6 N., R. 12 E.				
Frazier Creek	3	NE4 SW4	00/00/01	Chandler, O.E.	0.5		D,S,I	N
Bird Creek	10	NE4 NW4	00/00/1882	Goodman, J.	1.06		D,S,I	N
Frazier Creek	3	SE4 NW4	00/00/01	Ladiges, H.	1.0		D,S,I	N
Frazier Creek	3	NE4 SW4	00/00/1888	Schultz, C.	0.5		D,S,I	N
Bird Creek	3	SW4 SW4	00/00/1890	Collman, O.C.	0.49		D,S,I	N
Bird Creek	3	NW4 NW4	00/00/02	Schultz, G.	1.25		D,S,I	N
Frazier Creek	3	NW4 NW4	00/00/1888	Schultz, G.	0.5		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	Bleiler, O.D.	0.12		D,S	N
Frazier Creek	10	NE4 SE4	00/00/1889	Borde, W.	0.012		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/18	Bunnell, A.L.	0.88		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Conboy, P.	0.004		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Conboy, P.	0.006		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Creighton, F.	0.006		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Dean, M.A.	0.004		D,S,I	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Bird Creek	10	NW4 SE4	00/00/1889	Devoe, H.	0.5		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Gilmore, M.P.	0.006		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	Gilmore, M.P.	1.25		D,S,I	N
Bird Creek	10	NE4 NW4	00/00/1882	Goodman, J.	0.5		D,S,I	N
Frazier Creek	10	SW4 NE4	00/00/1879	Hansen, H.	0.006		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1885	Hanson, J.H.	0.75		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1900	Hanson, J.H.	0.94		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1889	Hilding, A.	1.0		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1898	Hilding, A.	0.5		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Hoult, O.	0.003		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Jaekel, A.O.	0.003		D,S,I	N
Frazier Creek	10	SW4 NE4	00/00/1879	Jebe, W.F.	0.1		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	Keel, J.	0.1		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Kuhnhausen, H.	0.009		D,S,I	N
Frazier Creek	14	NE4 SW4	00/00/1884	Kuhnhausen, H.	2.0		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Kuhnhausen, M.	0.009		D,S,I	N
Frazier Creek	10	SW4 NE4	00/00/1879	Huffsmith, E.P.	0.05		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1911	Huffsmith, E.P.	0.75		D,S,I	N
Bird Creek	10	NE4 SW4	00/00/1879	Shaw, E.	0.003		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Troh, H.F.	0.003		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	Wright, W.	0.25		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Prahl, S.	0.006		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Prahl, J.S.	0.009		D,S,I	N
Bird Creek	10	SW4 NE4	00/00/1879	Gump, A.J.	0.95		D,S,I	N
Bird Creek	10	SE4 NW4	00/00/1882	Gump, A.J.	1.0		D,S,I	N
Bird Creek	10	SE4 SW4	00/00/1916	Gump, A.J.	0.19		D,S,I	N
Bird Creek	10	NW4 SE4	00/00/1879	Prahl, J.	0.003		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	Murray, C.E.	1.75		D,S,I	N
Frazier Creek	10	NE4 SE4	00/00/1889	McEwen, H.W.	0.025		D,S,I	N
Frazier Creek	14	NE4 NW4	00/00/1884	Leaton, W.	1.9		D,S,I	N
Frazier Creek	11	SW4 SW4	11/30/37	Yates, R.E.	1.5		I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Frazier Creek	14	NW4 NW4	8/22/22	Ladiges, M.	2.0		I	Y
Frazier Creek	14	NW4 NW4	00/00/1912	Bertschi, A.	1.0		D,S,I	N
Frazier Creek	14	SW4 NE4	00/00/1911	Hanson, A.G.	0.75		D,S,I	N
Frazier Creek	14	NW4 NW4	00/00/1882	Hoult, P.	2.0		D,S,I	N
Frazier Creek	14	NW4 SE4	00/00/1918	Kuhnhausen, H.	1.0		D,S,I	N
Frazier Creek	14	SE4 NW4	00/00/1881	Lindbaugh, M.L.	0.81		D,S,I	N
Frazier Creek	23	NE4 NW4	00/00/1918	Lindbaugh, M.L.	1.62		D,S,I	N
Frazier Creek	14	SW4 NE4	00/00/1911	Oneal, J.K.	0.5		D,S,I	N
Frazier Creek	14	SE4 NW4	00/00/1901	Troh, P.J.	1.0		D,S,I	N
Bird Creek	15	NW4	03/17/20	Trout, C.L.	0.5		D,I	Y
Bird Creek	15	SE4 NW4	00/00/1885	Bartholomew, E.E.	1.0		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1898	Bertschi, A.	0.5		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1898	Bertschi, A.	0.5		D,S,I	N
Bird Creek	15		00/00/1898	Hilding, A.	0.5		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1880	Livingston, B.	2.0		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1909	Feller, C.	0.5		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1909	Feller, F.	0.62		D,S,I	N
Bird Creek	15	NE4 NW4	00/00/1909	Feller, R.V.	0.38		D,S,I	N
Bird Creek	16	NE4 NE4	03/17/20	Kincher, H.	0.5		D,I	Y
Bird Creek	16	NE4 SE4	00/00/1885	Bartholomew, E.E.	1.0		D,S,I	N
Bird Creek	16	SE4 NE4	00/00/1885	Bolt, W.T.	1.0		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1904	Borde/Hanson	0.25		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Columbia State Bank	0.92		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Columbia State Bank	1.0		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1903	Hall, E.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1888	Howe, J.	1.75		D,S,I	N
Bird Creek	16	SE4 NE4	00/00/1885	Kuhnhausen, A.	1.5		D,S,I	N
Bird Creek	16	SE4 NE4	00/00/1885	Kuhnhausen, A.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Kuhnhausen, E.	0.08		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Kuhnhausen, E.	2.0		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Murray, H.R.	0.25		D,S,I	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Bird Creek	16	NE4 SE4	00/00/1885	Murray, H.R.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1914	Mytting, E.S.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Richelderfer, H.N.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Kuhnhausen, O.	0.5		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1897	Kuhnhausen, O.	2.0		D,S,I	N
Bird Creek	16	NE4 SE4	00/00/1885	Kuhnhausen, O.	0.5		D,S,I	N
Bird Creek	20	SE4	7/27/21	Bertschi, V.C.	1.0		D,I	Y
Bird Creek	20		7/27/21	Bertschi, V.C.	1.0		D,I	Y
Bird Creek	21	NW4 SE4	00/00/1885	Cole, J.N.	0.37		D,S,I	N
Bird Creek	21	NE4 NE4	00/00/1885	Kuhnhausen, P.	1.25		D,S,I	N
Bird Creek	21	NE4 NE4	00/00/1885	Kuhnhausen, P.	0.12		D,S,I	N
Bird Creek	21	SE4 SW4	00/00/1888	Markgraff, F.	0.25		D,S,I	N
Bird Creek	21	NE4 NE4	00/00/1885	Grubb, J.H.	0.75		D,S,I	N
Bird Creek	21	SW4 SE4	2/3/39	Hathaway, M.	6.5		I	Y
Frazier Creek	23	NW4 NW4	00/00/1917	Radford, G.C.	0.25		D,S,I	N
Frazier Creek	24	NW4 NW4	00/00/1889	Lindbaugh, M.L.	0.62		D,S,I	N
Bird Creek	28	SE4 NW4	00/00/1913	Kuhnhausen, A.	0.15		D,S,I	N
Bird Creek	28	SE4 NW4	00/00/1886	Kuhnhausen, A.	0.36		D,S,I	N
Bird Creek	28	NE4 NW4	00/00/1886	McGrath, A.	1.38		D,S,I	N
Bird Creek	28	NE4 NW4	00/00/1914	Restorff, C.C.	1.0		D,S,I	N
Bird Creek	28	NE4 SW4	00/00/1913	Smith, P.	0.12		D,S,I	N
Bird Creek	28	NE4 SW4	00/00/1915	Smith, P.	2.0		D,S,I	N
Bird Creek	28	NE4 NW4	00/00/1914	Rugg, S.V.	1.06		D,S,I	N
				T. 6 N., R. 17 E.				
Unn. Sream	26	SW4 SW4	5/10/39	Smart, T.F.	0.05		D,I	Y
Unn. Stream	34	SE4 SW4	10/09/43	Washington State Park & Recreation Com.	0.01		D,I	Y

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 7 N., R. 12 E.				
Bacon Creek	21	SE4 NE4	00/00/04	Mt. Adams Pine Co.	3.94		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Borde, V.	2.62		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Wellenbrock, H.	0.82		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Wellenbrock, R.R.	1.32		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Wellenbrock, G.	0.49		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Schneidler, M.	0.66		I	N
Bacon Creek	21	SE4 NE4	00/00/04	Moles, J.	0.33		I	N
				T. 3 N., R. 17 E.				
Columbia R.	21	Gov. Lot 3	3/19/69	Martin/Marietta	35.03	25416.0	N	N
				T. 3 N., R. 20 E.				
Chapman Creek	7	SE4	8/6/52	White, H.A.	0.25	50.0	I	Y
				T. 3 N., R. 21 E.				
Columbia R.	19	NE4 NE4	8/2/67	Seely, W.C.	10.0	2000.0	I	N
Columbia R.	19	NE4	11/4/74	Pacific Power & Light Co.	270.0		N,I	N
				T. 4 N., R. 17 E.				
Unn. Stream	26	NW4 SW4	11/14/74	Davenport, Jack		3.0	S	N
Unn. Stream	27	NE4 SW4	11/14/74	Davenport, Jack		3.2	S	N

TABLE H-1 (Cont'd) Water-Right Claims on Surface Waters, Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 4 N., R. 18 E.				
Unn. Stream	8	NW4 SE4	10/23/73	Anderson, E.W.		1.0	S	N
Rock Creek	26	NE4 NE4	05/29/36	Jackson, R.A.	0.4		I	Y
				T. 4 N., R. 19 E.				
Chapman Creek	35	NW4 SE4	05/15/53	Kelley, C.D.	0.01		D,S	Y
				T. 4 N., R. 20 E.				
White Creek	6	SW4	05/24/66	Wilkins, B.		9.0	I	N
White Creek	7	Gov. Lot 1	5/24/66	Wilkins, B.		2.6	I	N
Unn. Stream	7	Gov. Lot 1	10/19/64	Wilkins, D.J.	0.2	60.0	I	N
				T. 4 N., R. 21 E.				
Pine Creek	16	SW4 NW4	10/17/56	Washingtin State Dept. Natural Resources	0.16	32.0	I	Y
Pine Creek	17	SE4 NE4	10/17/56	Whitmore, H.D.	0.08	16.0	I	Y
				T. 5 N., R. 21 E.				
Sixprong Creek	20	NE4 NE4	5/22/68	Whitmore, H.D.	0.01	1.0	S	Y

TABLE H-2 Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 10 E.				
Unn. Spring	2	Gov. Lot 1	7/12/73	Gauvin, L.	0.02	6.6	I	N
Unn. Spring	2	SW4	6/19/28	Read, T.E.	0.05		D,I	Y
Unn. Spring	10	NW4	7/01/74	Mt. Adams Orchard Co.	0.7	196.0	I	N
Unn. Spring	11	NW4 SW4	3/24/65	Connolly, M.J.	0.1	36.0	I	Y
Unn. Spring	12	NW4 NE4	7/12/62	Henderson, C.V.	1.0	200.0	D,I	N
Unn. Spring	14	NE4 NW4	1/17/73	Portner, Charlotte	2.0		D,S,I	N
Unn. Spring	14	SW4 SE4	5/18/73	Aston, W.W.	0.01	4.6	I	N
Unn. Spring	14	SW4 SE4	9/18/73	Connolly, Ersula	0.01	2.0	D,S	N
Unn. Spring	24	Gov. Lot 2	4/20/26	Clark, H.C.	0.25		D,I	Y
				T. 3 N., R. 11 E.				
Unn. Spring	2	NW4 SE4	4/27/62	Kida, G.	0.10	30.0	D,I	Y
Unn. Spring	5	SW4 SW4	9/17/68	Nickols, J.	0.01	2.0	D	Y
Unn. Spring	5	SW4 NW4	12/05/74	Harris, Thomas E.	0.033	6.0	D,I	N
Unn. Spring	6	SW4 SE4	3/13/68	Jones, E.L.	0.02	4.0	D,I	Y
Unn. Spring	7	NW4	9/25/73	Ladiges, C.R.	0.42	68.0	D,I	N
Unn. Spring	7	SE4 SW4	4/09/65	Hawkins, M.D.	0.05	11.0	D,I	Y
Unn. Spring	8	NE4 NW4	8/12/74	Barrett, Thomas L.	0.01	2.0	D	N
Unn. Spring	10	NW4 NW4	5/02/74	Tetreault, Robert B.	0.1		D,S,I	N
Unn. Spring	10	NW4 NW4	5/02/74	Tetreault, Robert B.	0.06		D,S,I	N
Unn. Spring	10	NW4 NW4	5/02/74	Tetreault, Robert B.	0.4		S,I	N
Unn. Spring	19	SE4 NW4	2/27/63	City of White Salmon	1.0	688.0	P	Y
Unn. Spring	23	SW4	7/01/74	Meader, Darrell	0.6	161.0	D,I	N
Unn. Spring	25	SW4 SW4	3/04/68	Lauterbach, W.R.	0.01	3.0	D,S	Y
Unn. Spring	29	SW4 SE4	8/27/71	Powell/Van Vliet	0.04	2.0	D	N
Unn. Spring	30	Gov. Lot 1	10/29/71	Murray, Edwin D.	0.25	28.0	D,I	N
Unn. Spring	30	Gov. Lot 1	6/27/74	Hearn, William R.	0.22	39.0	D,I	N

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 12 E.				
Unn. Spring	7	NE4 NW4	8/16/74	Cochenour, S.	0.03	4.0	D,S	N
Unn. Spring	7	E2 NW4	8/16/73	Cochenour, S.	0.02	2.0	I	N
Unn. Spring	21	NW4 NE4	11/13/74	Rowland, James	0.02	2.0	D	N
Unn. Spring	28	SE4 NW4	7/20/73	Gunter, M.E.	0.15	25.3	D,I	N
Unn. Spring	29	SW4	5/14/76	Tuthill, Andy	0.5		D,S,I	N
Unn. Spring	33	NE4 NW4	9/18/68	Dohrman, L.I.	0.025	5.0	D,S,I	Y
				T. 4 N., R. 10 E.				
Unn. Spring	1	NW4 SE4	7/16/68	Mt. Adams Orchards Co.	0.089	44.6	D,I	N
Unn. Spring	1	SE4 SE4	7/16/68	Mt. Adams Orchards Co.	0.1	44.8	D,I	N
Unn. Spring	1	SE4 SE4	7/16/68	Mt. Adams Orchards Co.	0.044	5.6	D	N
Unn. Spring	1	Gov. Lot 2	7/16/68	Mt. Adams Orchards Co.	0.2	70.6	D,I,N	N
Unn. Spring	1	S2 NE4	7/16/68	Mt. Adams Orchards Co.	0.2	84.1	D,I,N	N
Unn. Spring	1	SE4 SW4	7/16/68	Mt. Adams Orchards Co.	0.13	58.1	D,I,N	N
Unn. Spring	1	SE4 SW4	3/04/38	Rayburn, U.W.	0.1		D	Y
Unn. Spring	1	SE4 SW4	6/04/45	Mt. Adams Orchards Co.	0.1		D,N,I	Y
Unn. Spring	1	SW4 NW4	3/11/66	Gross, W.A.	0.01	1.0	D	Y
Unn. Spring	2	Gov. Lot 3	8/18/60	Kelly, C.	0.06	10.0	D,I	Y
Unn. Spring	2	SW4 SE4	7/28/64	Meyers, Lawrence B.	0.03	3.0	D	N
Unn. Spring	11	NW4 SE4	2/23/55	De Lay, A.O.	0.01		D,I	Y
Unn. Spring	11	NW4 SE4	2/23/55	Baugher, E.J.	0.01		I,D	Y
Unn. Spring	11	NW4 SE4	10/14/57	Chapman, T.A.	0.01		D	Y
Unn. Spring	11	NW4 SE4	8/28/59	Johnson, M.L.	0.04		D	Y
Unn. Spring	11	NE4 NE4	9/01/59	Arnett, W.H.	0.03	3.0	D,I	Y
Unn. Spring	11	NE4 NE4	10/27/59	Beasley, O.M.	0.01	3.0	D,I	Y
Unn. Spring	11	NE4 NE4	10/27/59	Beasley, O.M.	0.01	3.0	D,I	Y
Unn. Spring	11	NE4 NE4	10/27/59	Skidmore, J.	0.01	1.5	D,I	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Unn. Spring	11	NE4 NE4	10/27/59	Gross, H.	0.01	3.0	D,I	Y
Unn. Spring	11	E2 SE4	9/08/69	Drew, H.	0.25		I,D	N
Unn. Spring	12	SW4 NW4	4/29/74	Ensminger, B.	0.01	2.0	D	N
Unn. Spring	13	NE4 SW4	8/12/70	Gribner, W.O.	0.05	7.5	D,S,I	N
Unn. Spring	13	SE4 SE4	7/01/46	Moore, A.F.	0.01		D	Y
Unn. Spring	13	SW4 NW4	7/11/58	Murphy, A.D.	0.01		D	Y
Unn. Spring	14	SE4 NE4	5/09/49	Gross, A.J.	0.15		I,D	Y
Unn. Spring	14	SE4 NE4	7/06/50	Thompson, W.R.	0.04		D,I	Y
Unn. Spring	14	SE4 NE4	4/19/67	Murphy, L.A.	1.0	2.0	D	Y
Unn. Spring	23	SW4 SE4	6/14/73	Casad, Alice	0.01	1.0	D	N
Unn. Spring	23	SW4 SE4	6/14/72	Casad, Alice	0.01	1.0	D	N
Unn. Spring	23	NW4 SE4	11/17/59	Claridge, A.J.	0.09	24.0	D,I	Y
Unn. Spring	23	NW4 SE4	4/16/75	Taggard, James H.	0.022	2.0	D	N
Unn. Spring	24	SW4 NW4	4/05/74	Olson, Kent C.	0.01	2.0	D	N
Unn. Spring	26	SE4 SW4	9/28/74	Howard, Ricky D.	0.222	30.0	D,I	N
Unn. Spring	36	SW4 SW4	4/25/61	Aplin, S.R.	0.01		D	Y
Unn. Spring	36	NW4 NE4	2/21/68	Schmid, Loren L.	0.01	1.0	D	N
Unn. Spring	36	NW4 SE4	5/14/74	Wall/Meyers	0.02	4.0	D	N
				T. 4 N., R. 11 E.				
Unn. Spring	6	Gov. Lot 7	7/16/68	Mt. Adams Orchards Co.	0.055	5.6	D	N
Susie Springs	17	SE4 SW4	12/29/52	Locke, M.	0.11	40.0	D,I	Y
Unn. Spring	18	Gov. Lot 4	8/23/68	Daubenspeck, W.F.	1.0	200.0	I,D	N
Unn. Spring	30	NW4 SE4	7/01/37	Klickitat School District #54	0.12		D	Y
Unn. Spring	30	Gov. Lot 2	1/06/65	Anderson, F.J.	0.27	82.0	D,I	Y
Unn. Spring	33	W2 NW4	9/06/73	Smith, Virginia	0.08	6.0	I,S	N
Unn. Spring	33	W2 NW4	8/20/65	Fleck, F.G.	0.05	9.0	S,I	N
Unn. Spring	35	NW4 SE4	10/19/55	Fritchey, A.T.	0.01		D	Y
Unn. Spring	35	NE4 SW4	9/11/61	Fritchey, T.	0.2	38.0	D,I	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 4 N., R. 12 E.				
Unn. Spring	7	Gov. Lot 4	2/14/73	Hilts, Leon	0.01	2.0	D,S,	N
Unn. Spring	20	NW4	3/04/74	Buist, Niel	0.12	16.0	D,S,I	N
				T. 5 N., R. 10 E.				
Unn. Spring	1	SE4 NW4	9/03/63	Seifert, O.	0.0025	0.5	D	Y
Unn. Spring	1	SE4 NW4	9/03/63	7th Day Adventist Church	0.0025	0.5	D	Y
Unn. Spring	1	E2 NW4	3/09/66	Dodge, D.	0.01	3.0	D,S	Y
Unn. Spring	26	NW4 SW4	9/09/68	Robbins, R.G.	0.03	4.0	D,I	Y
				T. 5 N., R. 11 E.				
Unn. Spring	5	Gov. Lot 3	10/19/72	McCoy/Holliston	0.0025	1.0	D	N
Unn. Spring	5	SW4 NW4	1/10/73	Sweighoefer, Erwin	0.02	2.0	D	N
Unn. Spring	5	NW4 NW4	10/10/74	Genasci, Donald B.	0.25	35.0	D,I	N
Unn. Spring	7	SW4 NE4	9/27/68	Anrig, J.T.	0.02	4.0	D	Y
Unn. Spring	7	SW4 NE4	5/28/74	Chubb, Herbert	0.02		D,S	N
Unn. Spring	7	SW4 NE4	5/28/74	Chubb, Herbert	0.01	3.0	I	N
Unn. Spring	7	NW4 SE4	7/01/74	Chubb, Randall	0.01	4.6	I,D	N
Unn. Spring	31	SE4 SW4	7/16/68	Mt. Adams Orchards Co.	0.011	5.6	D	N
Unn. Spring	31	SW4 NE4	7/16/68	Mt. Adams Orchards Co.	0.044	5.6	D	N
Unn. Spring	31	SE4 NE4	9/06/68	Kreps, O.T.	0.012	3.0	D,S	Y
Unn. Spring	21	SE4 NW4	6/27/74	St. Regis Paper Co.	0.01	1.0	S	N
Log Corral Sprs.	23	NE4 SW4	5/24/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	25	SW4 SW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Dunkard Springs	26	SE4 NE4	5/24/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	26	NE4 SW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	33	NW4 SE4	4/25/66	Moore, D.D.	0.005	1.0	D	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 6 N., R. 10 E.				
Unn. Spring	3	Gov. Lot 2	5/24/72	Burdett, James	0.75		D,I	N
Unn. Spring	3	SE4 NE4	10/05/73	Glacier Springs Water	1.78	538.0	D	N
Unn. Spring	3	NW4 NE4	6/10/50	Glacier Springs Water	0.3		D,P	Y
Bear Spring	7	NE4 SW4	5/18/36	U.S. Forest Service	0.25		D	Y
Bear Spring	7	SW4 NE4	12/23/36	Dean, W.H.	0.25		I,D,N	Y
Unn. Spring	20	NE4	11/16/73	Clark, David	0.08	8.0	D	N
Unn. Spring	33	NW4 NE4	6/13/72	Madison, John E.	0.01	1.0	D	N
Unn. Spring	35	NE4 SW4	5/16/49	Dietsch, G.A.	0.22		D	Y
Unn. Spring	36	NW4 SW4	10/17/61	Lost Springs, Inc.	0.07		D	Y
Steel Spring	17	NW4 SW4	5/24/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	18	SW4 SE4	8/30/73	St. Regis Paper Co.	0.02	1.0	S	N
Unn. Spring	19	SE4 NE4	8/02/60	Trout Lake Grange	0.022	8.0	I	Y
Unn. Spring	32	SE4 SW4	10/19/72	McCoy/Holliston	0.01	2.0	D	N
Unn. Spring	32	NE4 SE4	1/31/62	Allaway, C.W.	0.10	9.0	I,D,S	Y
				T. 2 N., R. 13 E.				
Unn. Spring	16	SW4 NW4	8/22/69	Beeks, Elmer	0.04	7.0	D,I	N
Unn. Spring	16	SE4 NE4	2/22/41	O'Neal, C.E.	0.14		I	Y
Unn. Spring	16	Gov. Lot 1	3/13/61	Kock, J.	0.2	40.0	I	Y
Unn. Spring	16	SE4 SW4	3/13/61	Kock, J.	0.01		D	Y
Unn. Spring	16	NE4 SW4	12/17/68	McKinnon, G.M.	0.01	2.0	D	Y
Unn. Spring	24	NE4 NW4	8/15/30	McNary, L.A.	0.05		D,I	Y
Unn. Spring	33	Gov. Lot 5	6/09/66	Dallesoprt Development Company	0.3	30.0	D,I	N
				T. 2 N., R. 14 E.				
Unn. Spring	4	SE4 SW4	4/02/58	Clark, B.J.	0.04	4.0	I,D,S	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Unn. Spring	6	NE4 SE4	7/11/18	Brune, L.F.	1.0		S,D,I	Y
Unn. Spring	12	SE4 SW4	9/17/69	Coffield & Sons	0.10	67.0	D,S	N
				T. 2 N., R. 15 E.				
Unn. Spring	7	SW4 NW4	9/17/69	Coffield & Sons	0.25	112.0	D,I	N
				T. 2 N., R. 16 E.				
Unn. Spring	5	NW4 NE4	8/05/74	Gore, Earl	0.05	23.0	S,I	N
				T. 3 N., R. 12 E.				
Unn. Spring	3	SW4 SW4	6/10/70	Dalby, W.	0.005	0.5	D	N
Unn. Spring	4	SW4 NW4	8/26/70	Butler, James	0.08	11.4	I	N
Unn. Spring	9	NE4 SE4	6/03/74	Weaver, Harry	0.35	66.0	I	N
Unn. Spring	10	NW4 SW4	2/06/76	McCarthy, Dennis	0.02		I	N
Unn. Spring	15	SW4 NE4	3/21/74	Keyes, Francis H.		8.0	S	N
Unn. Spring	21	NW4 NE4	11/13/74	Player/Rowland	0.4		S,D,I	N
Unn. Spring	28	NW4 SW4	10/10/68	Clark, D.C.	0.02	3.5	D,S,I	Y
				T. 3 N., R. 13 E.				
Dead Horse Spr.	8	SE4 NW4	10/29/52	Sorenson, E.A.	0.01		D	Y
Dead Horse Spr.	8	SE4 NW4	7/13/65	Kreps, O.P.	0.5		D,I	N
Dead Horse Spr.	8	SE4 NW4	7/19/65	Bellamy, F.O.	0.02		D	N
Unn. Spring	17	NW4 NE4	6/30/74	Bertschi, Jerry	0.05	12.0	D,I	N
Unn. Spring	19	NE4 NW4	9/03/75	Pimley, Steve	0.02	2.0	D	N
Unn. Spring	31	SW4 SE4	8/03/60	Williams, L.L.	0.01	2.0	D	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 15 E.				
Unn. Spring	4	NW4	6/10/74	Eshelman, C.	0.01	2.0	D,S	N
				T. 3 N., R. 16 E.				
Unn. Spring	33	SW4 NW4	5/29/74	Short, Marshall	0.2		I	N
				T. 4 N., R. 12 E.				
Unn. Spring	10	SE4 SW4	6/07/71	Hinkle, W.H.	0.005	1.0	D	N
				T. 4 N., R. 13 E.				
Unn. Spring	22	NE4 SW4	6/09/58	Stearns, A.E.	0.05		D	Y
Unn. Spring	23	NE4 SE4	3/13/40	Cox, G.L.	0.01		D	Y
Unn. Spring	23	NW4 NE4	1/21/46	Fink & Hoagland	0.02	1.0	D,I	Y
Unn. Spring	23	NE4 NW4	6/25/74	St. Regis Paper Co.	0.015	1.0	D	N
Unn. Spring	28	SW4 NE4	10/18/73	Vogt, K.	0.02	7.0	D,I	N
Unn. Spring	28	NE4 SW4	4/05/56	Mitchell, H.R.	0.01		D,I	Y
Unn. Spring	28	SW4 NE4	5/23/56	Bales, D.	0.02	4.0	D,I	Y
Unn. Spring	28	NE4	6/05/56	Thiebolt, C.F.	0.01		D	Y
Unn. Spring	28	SE4 NW4	1/03/57	Kuhnhausen, O.J.	0.01		D,S	Y
Unn. Spring	28	NE4 SW4	12/11/64	Mitchell, I.	0.005	2.0	D	Y
				T. 4 N., R. 14 E.				
Unn. Spring	17	SW4 NE4	1/27/47	McIntyre, A.	0.01		D	Y
				T. 4 N., R. 15 E.				
Wet Weather Spr.	1	NE4	7/16/75	Thiele, Dale		9.9	I	N

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Spring Branch	2	NW4 SW4	10/08/48	Williams, F.L.	0.1		I	Y
Unn. Stream	2	Gov. Lot 3 (SW4 SW4)	8/30/63	Spalding, Daryl	0.05		S	N
Unn. Spring	2	NW4 SW4	00/00/30	Shupe, A.	0.02	1.0	D	N
Unn. Spring	2	NW4 SW4	00/00/48	Shupe, A.	0.1	17.1	I	N
Unn. Spring	2	NW4 SW4	00/00/55	Shupe, A.	0.24	41.04	I	N
Unn. Spring	3	SW4 SE4	3/01/48	Knox, B.H.	0.25		D,I	Y
Unn. Spring	3	SW4 SE4	00/00/48	Knox, B.H.	0.02	1.0	D	N
Unn. Spring	3	SE4 SW4	00/00/48	Knox, B.H.	0.21	35.91	I	N
Unn. Spring	3	NW4 SE4	00/00/1878	Steele, Joseph	0.1	17.1	I	N
Unn. Spring	3	SW4 SE4	00/00/48	Steele, Joseph	0.02	1.0	D	N
Unn. Spring	3		00/00/1897	Wishram Land Co.	0.01	0.34	S	N
Unn. Spring	6	SW4 SW4	5/13/60	McEwen, H.W.	0.1	40.0	I	Y
Unn. Spring	9	SE4 SW4	9/29/64	Gillenwaters, D.	0.2		N,D,S	N
Unn. Spring	9	SW4 NE4	00/00/1866	Hill, Raymond	0.02	1.0	D	N
Unn. Spring	9	NW4 SE4	00/00/1897	Hill, Raymond	0.01	0.17	S	N
Unn. Spring	9	NW4 SE4	00/00/07	Hill, Raymond	0.8	136.8	I	N
Unn. Spring	9	NW4 SE4	9/19/47	Hill, Raymond	1.0	171.0	I	N
Unn. Spring	9	NW4 SW4	00/00/1897	Bellamy, Paul	0.01	0.09	S	N
Unn. Spring	9	NW4 SW4	00/00/70	Bellamy, Paul	0.02	1.0	D	N
Unn. Spring	9	NW4 NE4	00/00/32	Woodward/Hatfield	0.02	1.0	D	N
Unn. Spring	11	NE4 NW4	00/00/1897	Adams, Christian	0.01	0.14	S	N
Unn. Spring	24	NW4 NW4	6/26/74	Tobin, Lyle	0.002	1.6	D	N
Unn. Spring	30	NE4 SW4	7/28/69	Richardson, W.R.	0.01	1.0	S	Y
				T. 4 N., R. 16 E.				
Unn. Spring	1	NE4 SE4	5/22/74	Cahill, Robert		8.0	S	N
Bloodgood Sprs.	8	NE4 NW4	8/27/58	City of Goldendale	1.0		P	Y
Bloodgood Sprs.	8	NE4 NW4	9/22/39	City of Goldendale	1.0		P	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 5 N., R. 11 E.				
Unn. Spring	9	SW4 NE4	7/14/26	O'Connell, T.F.	0.05		I,D	Y
Unn. Spring	24	SW4 SW4	11/21/25	Standard Lumber Co.	0.1		D	Y
				T. 5 N., R. 12 E.				
Unn. Spring	12	SW4 SW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	24	NE4 NW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	25	SW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
				T. 5 N., R. 13 E.				
Kuhnausen Sprs.	5	SW4 NW4	5/24/73	St. Regis Paper Co.	0.01		S	N
Unn. Springs	7	SW4 SE4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Springs	7	NE4 SE4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	8	NE4 SE4	1/17/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	8	NE4 SW4	1/17/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	11	SE4 SE4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	17	SE4 SE4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	20	NW4 SE4	1/17/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	23	SW4 NW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	28	SW4 NW4	1/17/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	30	SE4 NW4	1/22/73	St. Regis Paper Co.	0.01	1.0	S	N
				T. 5 N., R. 15 E.				
Unn. Spring	11	NW4 NW4	5/13/46	Lewis, C.M.	0.20		I,D	Y
Unn. Spring	15	SE4 NE4	2/12/70	Hutton, Robert	0.03		D,S,I	N
Unn. Spring	15	SE4 NE4	2/12/74	Hutton, Robert	0.1	25.0	I	N
Unn. Spring	27	NW4	10/31/75	Bronkhorst, J.C.	0.01		D	N

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Unn. Spring	33	SW4 SW4	2/28/51	Anderson, C.	0.03	8.0	D,I	Y
				T. 5 N., R. 16 E.				
Unn. Spring	22	SW4 SW4	10/03/69	Sellers, Richard	0.01	1.0	D	N
				T. 5 N., R. 17 E.				
Unn. Spring	8	SW4 SE4	3/12/74	Andersen, Henry		0.5	S	N
				T. 6 N., R. 11 E.				
Chapman Spring	21	NE4	8/14/73	St. Regis Paper Co.	0.01		S	N
Chapman Spring	21	NE4	8/14/73	St. Regis Paper Co.	0.02		S	N
Unn. Spring	22	NW4 NW4	1/17/73	St. Regis Paper Co.	0.01		S	N
Unn. Spring	27	NW4	8/14/73	St. Regis Paper co.	0.015		S	N
Unn. Spring	27	SW4	8/14/73	St. Regis Paper Co.	0.015		S	N
Unn. Spring	27	SW4	8/14/73	St. Regis Paper Co.	0.015		S	N
Unn. Spring	29	SW4 SE4	1/17/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	32	SE4	11/08/73	Gearin, John	0.01		D	N
				T. 6 N., R. 12 E.				
Unn. Spring	4	SE4 NE4	4/26/67	Sheridan, W.B.	0.2	60.0	I	N
Draper Spring	7	NE4 NE4	1/17/73	St. Regis Paper Co.	0.45		D,S	N
Unn. Spring	31	SE4	8/31/64	Kreps, R.R.	1.5	405.0	I	Y
				T. 6 N., R. 13 E.				
Wonder Spring	3	SW4 NW4	4/01/53	Washington State Dept. Fisheries	12.0		S	N

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
Unn. Spring	4	NE4	12/07/73	Washington State Dept. Fisheries	12.0		S	N
Indian Ford Spr.	4	Gov. Lot 2	6/19/46	Washington State Dept. Fisheries	15.0		S	Y
Indian Ford Spr.	4	Gov. Lot 1	6/19/46	Washington State Dept. Fisheries	2.0		S	N
Junction Spring	16	NE4	8/14/73	St. Regis Paper Co.	0.015		S	N
Wellenbrock Spr.	19	SE4 SE4	5/24/73	St. Regis Paper Co.	0.18		S	N
Cottonwood Spr.	21	SE4 SE4	5/24/73	St. Regis Paper Co.	0.01		S	N
Unn. Spring	21	SW4 SW4	8/23/73	St. Regis Paper Co.	0.01	1.0	S	N
Unn. Spring	36	Gov. Lot 8	1/17/73	St. Regis Paper Co.	0.16	10.0	D	N
				T. 6 N., R. 14 E.				
Sixzeroone Waterhole	17	SW4 NW4	1/11/74	St. Regis Paper Co.	0.01	7.26	S	N
				T. 6 N., R. 15 E.				
Unn. Spring	6	SW4 SE4	1/11/74	St. Regis Paper Co.	0.01	7.26	S	N
Unn. Spring	8	SE4 NW4	1/11/74	St. Regis Paper Co.	0.02	14.52	S	N
				T. 6 N., R. 16 E.				
Rockwell Spr.	22	NW4	9/17/31	City of Goldendale	1.0		P	Y
				T. 6 N., R. 17 E.				
Unn. Spring	34	NW4	7/13/73	Doty, Raymond	0.01	2.0	D	N
McClintock Spr.	34	SE4 NW4	8/17/62	McClintock, E.H.	0.6	150.0	I	Y
Unn. Spring	34	SE4 SW4	8/26/63	Firch, C.G.	0.03		D	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 3 N., R. 17 E.				
Unn. Spring	15	NW4 NE4	9/21/38	Brown, C.	0.01		D,S	Y
				T. 3 N., R. 18 E.				
Unn. Spring	8	SW4 SE4	10/14/58	Huot, L.	0.012		D,S	Y
Unn. Spring	16	Gov. Lot 1	10/14/58	Huot, L.	0.055	22.0	D	Y
				T. 4 N., R. 18 E.				
Unn. Spring	17	NW4 NW4	10/17/74	Holter Brothers	0.02	3.0	D,S	N
Unn. Spring	26	NE4 SE4	11/26/73	Imrie, Roscoe	0.02	5.4	D,S	N
Unn. Spring	26	NE4 SE4	11/26/73	Imrie, Roscoe	0.015	5.4	D,S	N
				T. 4 N., R. 19 E.				
Unn. Spring	7	Gov. Lot 1	10/19/64	Wilkins, Delbert	0.2	60.0	I	N
				T. 4 N., R. 20 E.				
Unn. Spring	7	NW4 NE4	4/14/71	Miller, Nina	0.004	2.0	D,S	N
Unn. Spring	7	NE4	4/14/72	Miller, Nina	0.01	1.0	S	N
Unn. Spring	14	NW4	4/14/71	Miller, Nina	0.015	1.0	S	N
				T. 5 N., R. 19 E.				
Unn. Spring	4	SE4	4/05/71	Long, S.H.		3.0	S	N
Unn. Spring	13	NW4 SW4	10/10/69	Powers, A.L.	0.01	0.5	S	Y
Unn. Spring	14	SW4 NW4	10/10/69	Powers, A.L.	0.01	0.5	S	Y
Unn. Spring	26	NE4 NW4	10/10/69	Powers, H.C.	0.005	0.5	S	Y

TABLE H-2 (Cont'd) Water-Right Claims on Springs in Klickitat County, Washington

Source	Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
				T. 5 N., R. 20 E.				
Knapp Spring	2	NW4 SE4	2/09/70	Jensen, J.A.	0.01	1.0	S	Y
				T. 6 N., R. 20 E.				
Unn. Spring	25	NW4 NW4	2/09/70	Jensen, J.A.	0.01	1.0	S	Y

TABLE H-3 Water-Right Claims on Ground Water in Klickitat County Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 3 N., R. 10 E.				
12	E2	12/18/67	Henderson, C.V.	450.00	200.0	I	N
13	SE4	8/22/73	Wedrick, Laurence	8.0	2.0	D	N
13	NE4 SE4	9/22/61	Wedrick, M.S.	30.0	9.6	I,D	Y
13	SW4 SW4	6/26/68	Moore, A.F.	20.0	6.0	D,I	Y
			T. 3 N., R. 11 E.				
3	Gov. Lot 4	6/08/73	Walker, Melvin	7.5	2.0	D,S	N
5	SE4 SW4	6/30/74	Heany, Alvin	13.0	6.0	D,I	N
7	SE4 SW4	1/11/72	T & H Orchards	40.0	30.5	D,I	N
7	SW4 NE4	4/04/73	Spring, John	37.5	33.0	D,S,I	N
8	NE4 NW4	3/12/74	Yarnell, Lenard	10.0	2.0	D	N
8	NE4 NW4	8/01/74	Barrett, Thomas	10.0	8.0	I,D,S,	N
8	SE4 NW4	6/02/75	Peoples, Dennis	189.0	61.0	D,I	N
8	NW4 NW4	7/01/75	Calkins, Jess	150.0	62.0	D,I	N
10	NW4 NW4	3/13/67	Tetreault, R.B.	10.0	8.0	I,D	Y
10	SW4 SE4	10/07/70	Gilmer, D.L.	7.0	2.0	D	Y
10	SE4	10/24/74	Heany, Alvin	1200.0		I	N
11	SE4 SW4	11/08/74	Clack, Richard	15.0	14.0	D,I	N
15	NE4 NE4	4/24/72	Burris, Amel	11.0	1.0	D	N
15	NE4 NE4	9/26/75	Gadway, Charles	30.0		D,S,I	N
18	SE4 NW4	9/12/68	Klickitat Co. Cemetery	40.0	20.0	I	N
18	SW4 NE4	5/28/71	LaFollette, John	15.0	1.0	D	N
18	NE4 SW4	8/18/70	Prine, Jack	5.0	2.0	D	N
18	SE4 NW4	8/16/67	Yarnell, Merlin	110.0	82.0	D,I	N
18	NE4 SW4	4/30/73	Pearce, Clyde	10.0	2.0	D	N
18	SE4 NW4	6/10/64	Klickitat Co. Cemetery	20.0	16.0	I	Y
18	NE4 NW4	11/25/69	Larsen, H.B.	150.0	100.0	I	N
18	NE4 SW4	11/12/74	Simmons, William	150.0	44.0	D,I	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
23	NW4 SW4	8/14/61	Stauch, M.E.	10.0	5.6	D	Y
26	SW4	6/07/74	Warren, Thomas	50.0	59.0	D,I	N
29	SW4 NW4	5/06/70	City of Bingen	50.0	80.0	P	N
29		7/20/70	City of Bingen	130.0	185.0	P	N
30	E2 NE4	9/17/73	SDS Lbr. Co. & City	475.0	412.0	P	N
30	Gov. Lot 4	9/19/55	Underwood Fruit Co.	500.0	800.0	D,N	Y
30		5/06/70	City of Bingen	300.0	185.0	P	N
			T. 3 N., R. 12 E.				
28	SE4 SW4	11/19/68	Cole, E.E.	20.0	12.0	D,I,S	N
32	Gov. Lot 4	4/07/67	Washington State Highway Department	15.0	1.0	D	Y
32	Gov. Lot 4	9/01/67	Washington State Highway Department	20.0	1.0	D	Y
			T. 4 N., R. 10 E.				
11	SE4 NE4	9/11/67	Krall, N.E.	20.0	5.0	D I	Y
11	NE4 NE4	8/08/68	Hale, O.G.	18.0	6.0	I,D	Y
11	NE4 SE4	8/09/68	Baugher, F.L.	15.0	3.0	D,I	Y
11	NE4 SE4	6/12/70	Belding, C.F.	24.0	2.5	D,I	Y
11	SE4 NE4	7/12/71	Ransier, Fred	20.0		D,I	N
11	SE4 NE4	7/12/71	Ransier & Rogers	20.0	4.8	D,I	Y
13	SE4 NW4	9/04/73	Morris, Eugene	10.0	2.0	D	N
13	SW4 SE4	10/08/48	Moore, A.F.	17.0	8.0	I	Y
13	SW4 SE4	7/03/56	Moore, A.F.	50.0	28.0	I	Y
13	SE4 NW4	4/15/69	Robbins, J.E.	10.0	2.0	D	Y
25	SE4	2/19/74	Olson, Luther	20.0		D	N
36	SE4 NW4	9/25/72	Baker, George	5.0		D	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
			T. 4 N., R. 11 E.				
5	SW4 NW4	9/08/72	Riggleman, Kenneth	10.0		D	N
24	NW4 NE4	7/28/75	Smith, Kevin	4.0	6.0	D,S,I	N
30	SE4 NW4	6/27/75	Anderson, F.J.	17.0	6.0	D,I,S	N
34	SE4 NW4	4/15/69	Joslin, I.H.	30.0	15.0	D,I	Y
35	SW4 SW4	5/13/74	Austin, Mary	10.0	6.0	D,S,I	N
			T. 5 N., R. 11 E.				
31	SE4 SE4	10/18/63	Mt. Adams Orchard Co.	100.0	25.6	D,I,N	Y
32	SW4 SW4	9/18/47	Hopp-DeWilde Mill Co.	50.0	30.0	N	Y
			T. 6 N., R. 10 E.				
25	NW4 SW4	4/28/76	Woodruff, George	25.0		D	N
			T. 2 N., R. 12 E.				
3	NE4	3/14/29	SP&S Railway Co.	300.0	111.0	N,D	Y
3		2/11/55	Lyle Water Co.	500.0	224.0	P	Y
			T. 2 N., R. 13 E.				
6	Gov. Lot 4	8/08/72	Henderson, Dayton	20.0	11.4	I	N
16	NE4 SW4	4/21/71	Jones, Ivor	30.0	2.0	D	N
16	NE4 SW4	5/11/70	Odom, Cecil	15.0	4.5	D	N
16	NE4 SW4	9/06/72	Knowles, Robert	17.0	7.7	D,I	N
16	SE4 SW4	11/25/52	Dean, S.L.	15.0	8.0	I,D	Y
16		2/13/53	Murdock, O.C.	25.0	40.0	D	Y

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
16	NE4 SW4	2/04/71	McKinnon, G.M.	24.0	14.0	D,I	N
21	SE4 SE4	4/02/70	Graves, D.E.	40.0	27.0	D,I	N
21	SE4 SE4	6/29/73	Graves, D.E.	80.0	26.0	I	N
22	SE4 NW4	2/14/73	Smith, Kent	500.0	208.0	I,S	N
22	SE4 SW4	10/15/70	Smith, Fred	600.0	450.0	N	N
25	SW4 SW4	3/23/70	Klickitat County Port D. #1	450.0	300.0	D,N	N
26	NE4 SE4	10/18/74	Klickitat County Port D. #1	1000.0	300.0	D	N
27	NW4 NE4	12/17/70	Jarl, Norman	900.0	517.0	N	N
27	NW4 NE4	2/17/53	Tidyman, L.C.	900.0	480.0	I	Y
28		3/20/53	Toda, F.	150.0	60.0	I	Y
28		5/28/53	Sisson, O.	25.0	22.4	D	Y
28		3/06/61	Ogawa, A.	80.0	37.6	D,I	Y
28		5/07/63	Williams, T.	60.0	46.8	D	Y
28		4/24/63	Odom, C.L.	12.0	8.1	D	Y
34		9/18/53	Dalles City	615.0	750.0	D,I	Y
34	NW4	7/05/74	Dallesport Development Company	105.0	41.0	D	N
			T. 2 N., R. 14 E.				
19	SE4 NW4	4/06/61	U.S. Corps of Engineers	190.0	41.6	D,I	Y
			T. 2 N., R. 15 E.				
7	SW4 SW4	3/08/68	Coffield & Sons	135.0	144.0	I,D	Y
17	Gov. Lot 4	10/01/27	SP&S Railway Company	750.0	10.0	D,N	Y
17	Gov. Lot 4	8/16/30	SP&S Railway Company	750.0	516.0	D,N	Y

TABLE H-3 (Cont'd) Water Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 2 N., R. 16 E.				
3	NW4 NW4	4/14/72	Gunkel, George	10.0	1.0	D	N
3	SW4 NW4	9/26/74	Niblack, James	20.0	7.0	I	N
3	SW4 NW4	9/26/74	Niblack, James	10.0	6.0	D,I	N
4	NE4 NE4	12/14/71	Ritter, Leland	150.0	34.1	I	N
4		4/06/60	U.S. Corps of Engineers	60.0	96.0	I,D	Y
4	SE4 NW4	4/30/69	Howe, J.W.	40.0	11.0	I	Y
4		2/17/71	Coffey, W.	10.0	4.0	D	N
4	NW4 NW4	8/05/74	Gore, Earl	20.0	10.4	I,D	N
			T. 3 N., R. 12 E.				
2	E2 NE4	6/10/74	Schwagerl, R.A.	50.0	42.0	D,I	N
1	E2 SE4	11/06/69	Schwagerl, R.A.	100.0	110.0	I,S,D	N
3		5/11/76	Shannon, Donald	35.0		S,D,I	N
15	SW4 NE4	3/21/74	Keyes, Francis	12.0	3.0	D,S	N
21	SE4 NE4	10/09/73	Wegner, Edward	9.0	10.6	D,I	N
21	NW4 NE4	9/17/75	Player, Thomas	40.0		D,I	N
27	SW4 SW4	10/06/60	Hanson, N.	20.0	9.6	D,I	Y
27	SW4 SW4	11/21/67	Waterman, L.	6.0	2.0	D	Y
27	SE4 SW4	9/16/74	Brubaker, James	10.0	2.0	D	N
28	SW4 SE4	2/25/74	Mahaffey, Lawrence	12.0	11.6	D,I	N
33	NE4 NE4	5/03/73	Crosby, Melvin	125.0	34.3	I	N
			T. 3 N., R. 13 E.				
19	NE4 SW4	8/13/75	Urban, Frances	20.0		D,S,I	N
24	SE4 SE4	1/23/74	Fleischauer, Paul	220.0	31.0	D,I	N
31	Gov. Lot 2	9/11/72	Palmer, Clara	15.0	2.0	D	N
31	SW4 SW4	9/20/73	Woods, Edward	10.0	2.0	D	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 3 N., R. 14 E.				
2	NW4 NE4	2/19/71	Humphrey, G.R.	2000.0	667.0	D,I	N
12	NE4 SE4	7/08/ 68	Fahlenkamp, V.	100.0	52.0	I,D	Y
			T. 3 N., R. 15 E.				
1	SE4 SE4	3/17/61	Linden, C.G.	75.0	60.0	D,I	Y
5	NE4 NE4	8/06/74	Eshelman, Charles	3.5	2.0	S	N
8	SE4 SE4	11/16/73	Isaacson	200.0	87.8	D,I	N
12	SW4 SE4	8/17/66	Basse, E.S.	360.0	320.0	I	Y
13	NW4 NE4	7/25/66	Basse, E.S.	200.0	186.0	I	Y
13	NW4 NE4	4/26/68	Basse, E.S.	500.0	400.0	I	Y
14	NW4 NE4	7/12/72	Hansen, Tim	50.0	23.0	D,S,I	N
15	SE4 SE4	7/15/75	Holthusen, Larry	2500.0	999.0	I	N
19	NE4 SE4	6/06/66	Smith, G.F.	190.0	240.0	I	Y
20	NE4 SW4	10/17/68	Jaekel, Quentin	375.0	197.5	I	N
20	NE4 SW4	7/18/67	Jaekel, Quentin	200.0	158.0	I	Y
21	NW4 NE4	9/28/49	Woods, L.	125.0	40.0	I	Y
22	SE4 NE4	4/25/73	Washington Dept. Natural Resources	440.0	161.0	I	N
22	SE4 NE4	5/22/61	Centerville Grange 81	40.0	16.0	I	Y
22	NE4 NE4	2/11/69	Washington Dept. Natural Resources	1100.0	358.0	I	N
22	SE4 NE4	12/18/75	Holthusen, Larry	800.0		I	N
28	NW4 SW4	5/07/70	Garner & Garner	170.0	114.0	I	Y
28	E2 SW4	3/22/71	Garner, W.	800.0	266.0	I	N
29	SW4 NE4	8/11/69	Washington Dept. Natural Resources	3150.0	1050.0	I	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 3 N., R. 16 E.				
1	NE4 NW4	5/22/74	Charles, William	60.0	16.0	D,I	N
3	NW4 SE4	5/25/74	Troutman, Richard	500.0	231.0	I,D	N
3	NE4 SW4	6/30/74	Campbell, Marion	60.0	29.0	D,S,I	N
7	SW4 SE4	10/29/68	Basse, E.	300.0	175.0	I	N
7	SE4 SW4	5/10/72	Basse, E.	750.0	667.0	I	N
8	NW4 SE4	9/06/67	Linden, F.	370.0	313.3	I	Y
8	NW4 SE4	7/19/68	Linden, F.	560.0	485.0	I	Y
18	NW4	3/07/72	Linden, Calvin	1300.0	733.0	I	N
18	NW4 NW4	7/05/66	Eshelman, L.J.	100.0	80.0	I	Y
			T. 3 N., R. 17 E.				
5	SE4 SW4	3/04/63	McDowell, E.E.	225.0	180.0	I	Y
5	Gov. Lot 2	7/05/68	McDowell, E.E.	1420.0	600.0	I	Y
20	E2 SW4	2/02/59	Holden, G.R.	150.0	240.0	D	N
29	NE4 NE4	8/29/60	U.S. Corps of Engineers	600.0	960.0	D,N	Y
			T. 4 N., R. 12 E.				
26	SE4 NE4	2/27/53	Lane, G.	40.0	27.0	I	Y
26	NE4	4/19/76	Beck, Arthur	1000.0		S,I	N
			T. 4 N., R. 13 E.				
2	E2 SW4	6/28/74	Woodruff Bros.	70.0	18.0	I,D	N
28	E2	8/22/73	Hart, Howard	13.0	2.0	D	N
28	NE4 SE4	7/19/66	Petre, R.A.	22.0	7.0	D,I	Y

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 4 N., R. 14 E.				
1	NW4 SW4	10/09/74	Sipe, Kenneth	25.0	7.0	D,S	N
			T. 4 N., R. 15 E.				
1	SW4 SE4	5/13/70	Amidon, E.H.	960.0	785.0	I	N
1	NW4 NE4	7/16/75	Thiele, Dale	1000.0		I	N
2	NE4 SW4	5/23/55	Williams & Stegman	110.0	80.0	I	Y
2	SW4 SW4	8/14/67	Spalding, Daryl	250.0	122.0	I,D	Y
2	SW4 SW4	00/00/40	Spalding, Daryl	9.0	1.0	D	N
2	SE4 SW4	00/00/32	Adams, Christian	9.0	1.0	D	N
2	SE4 NW4	00/00/16	McPhersom, M.J.	9.0	1.0	D,S	N
3	E2	8/24/67	Wishram Land Co.	1350.0	1004.0	D,I	N
3	NW4 SE4	00/00/44	Wishram Land Co.	9.0	1.0	D	N
4	SE4 SW4	3/18/68	Riches, P.M.	15.0	14.0	D,I	Y
4	SE4 SW4	11/12/71	Shultz, Herman	310.0	102.0	D,I	N
4	NE4 SW4	5/23/55	Spalding, Daryl	180.0	68.4	I	N
4	SE4 SW4	00/00/65	Riches, Phillip	9.0	1.0	I	N
5	NE4 NW4	10/13/71	Counts, Mike	1200.0	441.0	D,I	N
5	NW4 NW4	2/20/74	Bratton, Howard	800.0	397.0	I,D	N
5	NE4 SE4	10/04/67	Thiele, D.	400.0	360.0	D,I	Y
5	NE4 NE4	3/25/69	Thiele, D.	750.0	527.0	D,I	Y
5	NE4 SE4	7/16/75	Thiele, Dale	600.0	267.0	I	N
5	NE4 NE4	7/16/75	Thiele, Dale	600.0		D,I	N
8	SE4 SE4	00/00/26	L. Kaiser Estate	9.0	1.14	D,S	N
9	NE4 NW4	4/16/71	Hill, Raymond	750.0	233.0	I	N
9	SW4 SE4	00/00/25	Woodward, John	18.0	2.0	D	N
9	SW4	00/00/09	Gillenwaters, Dean	30.0	9.8	N	N
9	SE4 SE4	00/00/64	Gillenwaters, Dean	153.0	58.14	I	N
9	SE4 NW4	00/00/55	Hill, Raymond	9.0	1.0	D	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
9	NE4 SE4	00/00/54	Woodward/Lane	9.0	1.0	D	N
9	SE4 NE4	00/00/61	Ihrig, Robert	9.0	1.0	D	N
9	SW4 SE4	00/00/55	Riley, James	9.0	1.0	D	N
9	SE4 SE4	00/00/58	Imrie, Robert	9.0	1.0	D	N
9	SE4 SW4	00/00/46	Bellamy, Paul	9.0	1.0	D	N
10	NE4 NW4	10/30/72	Hutton, R.F.	750.0	248.0	I	N
10	NW4 SE4	9/19/67	Ruff, R.E.	300.0	142.0	D,I	Y
10	SE4 NW4	3/25/68	Beebe, G.L.	450.0	375.0	I	N
10	NE4 NW4	00/00/33	Ihrig, Robert	9.0	1.0	D	N
10	SW4 NW4	5/00/56	Beebe, George	9.0	1.0	D	N
10	NE4 NW4	00/00/1880	Hutton, Robert	9.0	1.0	D	N
11	NE4 NW4	00/00/46	Lefever, Charles	9.0	1.0	D	N
15	SW4 NE4	5/06/74	Wilkins, Ross	15.0	3.0	D	N
16	SE4 NW4	2/11/69	Washington Dept. Natural Resources	2000.0	700.0	I	N
16	NW4 SW4	00/00/08	Washington Dept. Natural Resources	9.0	1.0	D	N
16	NE4 NW4	00/00/26	McGrew, Richard	9.0	1.0	D	N
16	NE4 NW4	00/00/44	Bellamy, Paul	9.0	1.0	D	N
17	N2 NE4	12/08/75	McGrew, Richard	800.0		S,I	N
17	SE4 NW4	00/00/40	Hornibrook, R.E.	9.0	1.0	D	N
17	NE4 SE4	00/00/46	Bellamy, Paul	9.0	1.0	D	N
20	NE4 NE4	00/00/25	Tupper, C.L.	9.0	1.0	D	N
23	SW4 NW4	5/12/69	Dunn, B.F.	1175.0	749.0	I,D	Y
24	NW4 NW4	6/18/74	Tobin, Lyle	1680.0		I,D	N
26	SE4 NE4	7/19/71	Keech, George	250.0	183.0	I	N
26	SE4 SE4	5/20/68	Keech, George	250.0	150.0	I	N
26	NE4 SW4	00/00/01	Hinshaw, Geary	9.0	1.0	D	N
27	NE4 SE4	10/04/74	Alexander, Michael	45.0	35.0	I,D	N
32	SE4 SE4	8/06/74	Eshelman, Charles	10.0	3.0	D,S	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity: Instantaneous (CFS)	Quantity: Annual (Acre feet)	Use	Certification
			T. 4 N., R. 16 E.				
1	NE4 SW4	4/03/72	Wirick, Dale	25.0	18.0	D,I	N
2	SW4 NE4	6/24/68	Schroder, F.H.	160.0	38.5	S,I	N
2	W2 NW4	12/16/70	Van Aelst, Edward	3000.0	1000.0	I	N
5	SW4 SW4	2/20/73	Wright, George	45.0	30.6	D,I	N
6	NE4 NE4	4/18/74	Pond, Roger	10.0	10.0	D,I	N
6	NE4 NE4	9/04/75	Boardman, Roger	28.0	25.0	D,S,I	N
8	SW4 NE4	8/06/69	McEwen, C.F.	60.0	18.0	D,I	Y
9	N2 NW4	10/04/73	Foster, E.M.	150.0	59.3	D,I	N
10	NW4 NE4	10/08/71	Firch, Maxine	35.0	5.9	D,I	N
10	SW4 SW4	6/12/69	Rose, Jack	60.0	52.0	D,I	N
10	N2	2/01/60	Sellers, R.H.	55.0	20.0	I	Y
11	NE4 SE4	1/13/72	Reimer, Doris	60.0	72.3	D,I	N
11	NW4 NW4	12/19/73	Barrett, C.M.	725.0	414.5	I	N
11	NW4 NW4	11/12/64	Barrett, C.M.	150.0	60.0	I	Y
11	NW4 NW4	3/31/70	Barrett, C.M.	1400.0	571.0	I	N
11	SW4 SW4	6/28/74	Barrett, C.M.	40.0	20.0	D,S	N
14	SW4 NE4 NE4 SW4	10/22/68	Norris, M.H.	90.0	64.5	I,D	Y
15	SW4 SW4	6/16/69	L.G. Norris Estate	60.0	1.0	D,S	N
15	SW4 SW4	11/08/74	7th Day Adventist Church	45.0	11.0	D,I	N
15	SW4 SE4	10/01/75	McConnell, Darel	10.0	2.0	D	N
16	SE4 SE4	8/26/71	Ledbetter, D.B.	140.0	40.6	D,N,I	N
16	SW4 SE4	3/29/72	City of Goldendale	1400.0	784.0	P	N
16	SW4 SE4	5/27/69	Stone, F.P.	45.0	10.0	I	Y
16	NE4 SW4	4/23/74	Williams, Donald	20.0	6.0	D,I	N
16	SW4 SW4	9/12/74	Ingraham, Raymond	20.0	5.0	D,S,I	N
16	SW4 NW4	11/14/75	Mt. View Cemetery	300.0		D,I	N
17	SE4 NE4	9/16/71	Thompson, Neal	180.0	23.9	D,I	N
17	SE4	00/00/10	Brock, G.G.	50.0	32.0	I	Y

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
17	NE4 NW4	10/10/67	Lefever, J.L.	350.0	257.0	I	Y
17	SE4 SE4	8/26/70	Freer, H.W.	60.0	4.0	D,I	Y
17	SE4 NE4	10/09/74	Sipe, Kenneth	12.0	2.0	D	N
17	NW4 SE4	5/07/75	Casebolt, Donald	25.0	2.0	D	N
17	SE4 NE4	4/05/76	Templer, Dennis	70.0		D,I	N
18	SE4 SW4	11/30/71	O'Leary Well Drilling	100.0	23.0	D,N,I,P	N
19	SE4 SE4	5/25/70	Holy Trinity Church	50.0	6.0	I	Y
20	SE4 NW4	11/02/70	Stackhouse, James	60.0	26.0	I	N
20	NE4	7/26/72	Kerns, Eldon	10.0	1.0	D	N
20	NE4	3/28/73	Moore, Harry	5.0	4.0	D	N
20	NE4 NE4	7/15/46	Klickitat County	130.0	8.0	I	Y
20	NW4 SW4	9/17/59	Storkel, C.L.	90.0	72.0	I	Y
20	NE4	8/05/66	Layman Lumber Co.	75.0	30.0	N	Y
20	NE4 NW4	7/03/74	Hillman, Raymond	45.0	35.0	I	N
20	NW4 NW4	2/20/74	D.M. Layman, Inc.	60.0		D,N	N
21	SE4 NW4	2/12/53	Goldendale School Dist.	110.0	30.0	I	Y
21	NW4	7/30/69	Foster, J.D.	250.0	7.4	D,N	N
21	NW4 SE4	12/17/70	Mesecher, Charles	60.0	51.5	I	N
22	NE4 SE4	3/20/68	Gorge Contractors	650.0	200.0	I	N
22	SW4 SE4	4/19/68	Gorge Contractors	650.0	200.0	I	N
22	NE4 SW4	7/29/68	Gorge Contractors	600.0	300.0	I	N
26	NE4 NW4	4/19/68	Willis, G.	65.0	32.0	I,D	Y
27	SW4 NW4	9/04/68	Maurer, R.	3000.0	751.0	I,S	N
28	NW4 SW4	5/23/68	Herin, C.E.	410.0	132.0	D,I	N
28	NE4 NE4	8/08/68	Dingmon, D.	600.0	275.0	I	Y
29	S2 NE4	6/14/65	Hornibrook, R.E.	158.0	144.0	D,S,I	N
32	NE4 NE4	9/04/69	Blanchard, C.R.	100.0	61.0	D,I	N
33	W2 NW4	7/21/70	Smith, Howard	10.0	1.0	D	N
34	SE4 NE4	9/17/68	Norris, M.H.	320.0	252.0	I,D	Y
35	SE4 SE4	5/22/74	Young, W.C.	10.0	8.0	D,I	N
36	SE4 SE4	6/14/75	Thayer	100.0	68.0	D,I	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
36	SE4 SE4	4/04/75	Gleason, James	100.0	34.0	D,I	N
			T. 4 N., R. 17 E.				
7	SE4 NW4	5/14/68	Schroder, L.E.	2250.0	900.0	I	N
19	SW4 NE4	1/31/74	Fridley, Clyde	235.0	233.0	D,S,I	N
29	SE4 SW4	3/27/68	Willis, Sheryl	340.0	270.0	I	N
30	SE4 SE4	11/16/72	Willis, Sheryl	955.0	760.0	I	N
32	SE4 SW4	5/05/70	McDowell, Eva	700.0	655.0	D,I	N
			T. 5 N., R. 12 E.				
18	Gov. Lot 1	4/30/69	Perkins, J.R.	240.0	98.0	I	Y
18	Gov. Lot 2	4/30/69	Perkins, J.R.	350.0	114.0	I	Y
			T. 5 N., R. 13 E.				
1	Gov. Lot 3	2/01/54	J. Neils Lumber Co.	50.0	80.0	D,N	Y
			T. 5 N., R. 14 E.				
9	SE4 SE4	7/31/74	Boardman, H.L.	500.0	400.0	I	N
16	E2 NE4	4/28/67	Boardman, W.W.	100.0	81.0	S,I	N
16	NW4 SE4	7/31/74	Boardman, H.L.	320.0	162.0	I,D	N
22	NW4 SE4	1/06/71	McKinney, R.C.	12.0	10.0	D,I	N
25	SW4	9/25/74	Swift, William	1000.0	1600.0	I,S	N
36	SW4 SW4	5/12/71	Richardson, Theodore	500.0	169.0	D,I	N
36	NW4 NE4	6/28/74	Van Patter, Dwaine	1000.0		I,D	N
36	NW4 NE4	6/28/74	Van Patter, Dwaine	40.0		I,D	N
36	NW4	9/25/74	Swift, William	1000.0	1600.0	I	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 5 N., R. 15 E.				
14	NW4 NW4	2/12/70	Hutton, Robert	15.0	5.0	D,S,I	N
15	SE4 SW4	10/24/50	Popenoe, J.W.	50.0	34.0	D,I	Y
19	SE4 SW4	1/20/60	Prescott, O.M.	380.0	157.6	D,I	N
19	SE4	10/02/63	Prescott, O.M.	1200.0	800.0	D,I	N
30	NE4 SE4	6/26/74	King, Ajah	15.0	4.0	D,I	N
31	SE4	6/07/74	Schilling, Paul	900.0	660.0	I	N
			T. 5 N., R. 16 E.				
22	SE4 SE4	2/17/67	Tyler, G.A.	50.0	32.0	D,I	N
25	SE4 SE4	11/20/69	Bise, R.L.	400.0	168.0	I,D	N
25	SW4	9/24/70	Brown, M.E.	600.0	193.0	I,D	N
25	SW4 SE4	4/30/74	Cuff, Thomas	50.0	30.0	D,S,I	N
27	SE4 SW4	5/31/74	Marshall, Homer	100.0	35.0	D,I	N
28	SE4 SE4	8/24/73	Miller, Ted	12.0	2.0	D	N
28	SW4 SE4	3/04/76	Wellman, Michael	30.0		D,I	N
31	NW4 SE4	8/03/71	Scheradella, Robin	60.0	1.0	D	N
34	NW4 NW4	5/07/73	Evans, Norman	50.0	44.9	D,I	N
35	NE4 SE4	6/14/74	Schroder, Russell	10.0	2.0	D	N
36	SW4 SW4	9/17/73	Young, William	300.0	73.5	D,I	N
			T. 5 N., R. 17 E.				
3	NE4 SW4	9/21/69	Washington Park & Recreation Comm.	50.0	23.0	D	N
3	NE4 SW4	10/24/69	Washington Park & Recreation Comm.	50.0	18.5	I	Y
3	SW4 SW4	4/13/70	Timmer, G.J.	80.0	3.0	D	N
3	SW4 SW4	12/08/71	Timmer, G.J.	80.0	33.0	D,I,N	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
14	NW4 SE4	9/22/75	Scott, Henry	100.0	28.0	D,I	N
32	W2 NW4	10/17/72	The Trans-West Co.	17.0	2.0	D	N
			T. 6 N., R. 12 E.				
10	NW4 SE4	4/27/67	School District #401	31.0	13.0	D,I	Y
16	SW4 NE4	6/21/66	Neils, G.F., Jr.	20.0	2.0	D	Y
27	N2 NW4	8/30/54	Zeigler, E.W.	300.0	180.0	D,I	Y
			T. 3 N., R. 17 E.				
2	Gov. Lot 3	5/22/73	Claussen, Glenn	70.0	65.0	D,I	N
12	SE4 SW4	12/09/65	U.S. Corps of Engineers	35.0	5.0	D	Y
20	SE4	3/18/69	Martin Marietta Co.	2000.0	3200.0	D,N	N
20	NW4 SE4	3/18/69	Martin Marietta Co.	900.0	144.0	N,D	N
			T. 3 N., R. 18 E.				
9	SW4 SW4	4/14/64	Hout, L.	40.0	64.0	D,I	Y
			T. 3 N., R. 19 E.				
8	SW4 SW4	1/09/73	Wesley, Alice	6.0	3.9	D,I	N
18		8/12/64	Wesley, Alice	27.5	30.0	D,I	Y
20	SW4 SE4	8/12/74	U.S. Corps of Engineers	425.0		D,I	N
			T. 3 N., R. 20 E.				
7	SE4 NW4	10/09/53	White, H.A.	250.0	140.0	I	Y
21	SW4 SE4	9/08/54	Sundale Orchards Inc.	100.0	10.0	D	Y
21	SW4 SE4	3/03/64	Sundale Orchards Inc.	800.0	320.0	I	N

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
21	SW4 SE4	2/14/75	Sundale Orchards Inc.	200.0		I	N
21	NE4 SW4	8/13/75	Sundale Orchards Inc.	2000.0		I	N
28	Gov. Lot 3	9/08/54	Sundale Orchards Inc.	1500.0	540.0	I	Y
			T. 3 N., R. 21 E.				
9	SW4 SW4	5/16/61	N. Roosevelt Water Assc.	40.5	50.0	P	Y
9	SW4 SW4	2/24/64	N. Roosevelt Water Assc.	98.0	37.8	P	Y
9	NE4 SW4	12/09/65	U.S. Corps of Engineers	60.0	5.0	D	Y
16	NW4 SW4	5/12/19	SP&S Railway Co.	200.0	111.0	N,D	Y
17	NE4	6/19/61	Reader, K.M.	180.0	112.0	D	Y
18	NE4 SE4	7/13/71	Goree, Norm	250.0	135.3	D,S,I	N
			T. 4 N., R. 17 E.				
9	W2	10/30/73	O'Leary Well Drilling	500.0	288.0	D,I	N
9	W2	10/30/73	O'Leary Well Drilling	500.0	288.0	D,I	N
9	W2	10/30/73	O'Leary Well Drilling	500.0	288.0	D,I	N
9	W2	10/30/73	O'Leary Well Drilling	500.0	288.0	D,I	N
9	W2	10/30/73	O'Leary Well Drilling	500.0	288.0	D,I	N
10	S2 SW4	8/03/73	O'Leary Well Drilling	300.0	116.0	D,I	N
15	NE4 SE4	10/07/75	Sanders, Francis	25.0		D,I	N
22	SW4 SW4	4/05/57	Fenton Brothers	50.0	20.0	D,I	Y
22	N2 NE4	9/22/75	Sanders, Francis	190.0		D,S,I	N
23	NW4 NW4	10/21/74	Dunn, Joe	1400.0	502.0	D,I	N
23	SE4 NW4	10/21/74	Dunn, Joe	140.0	502.0	I,D	N
			T. 4 N., R. 18 E.				
17	NW4 SE4	6/18/70	Schuster, C.V.	500.0	368.0	I	Y
29	SW4 NE4	1/24/68	Brack, R.R.	500.0	470.0	I	Y

TABLE H-3 (Cont'd) Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 4 N., R. 20 E.				
3	NE4 SW4	7/11/68	Berk, Harland	1000.0	800.0	I	N
3	NE4 SW4	8/25/69	Berk, Harland	1500.0	1000.0	I	N
5	S2 SE4	6/30/69	Wilkins, B.	1600.0		I	N
6	Gov. Lot 1	10/10/69	Powers, A.L.	2.5	1.0	D,S	Y
20	SW4 SE4	3/22/74	G.B. Ranch	12.0	2.0	D,S,	N
			T. 5 N., R. 20 E.				
19	NW4	10/10/69	Powers, A.L.	4.5	1.0	D,S	Y
28	NW4 NE4	6/27/68	Berk Brothers Inc.	650.0	375.0	I	Y
			T. 5 N., R. 22 E.				
27	NE4 NE4	3/18/71	Matsen, A.M.	1200.0	1215.0	I	N
33	SE4	4/13/76	Rinta, John	2500.0		I	N
34	NE4 NW4	2/14/75	Miller, Melvin	1000.0	660.0	I	N
34	SE4	4/13/76	Rinta, John	2500.0		I	N
			T. 5 N., R. 23 E.				
3	NE4 NE4	12/04/72	Peterson, R.J.	3000.0		I	N
3	E2 NE4	9/28/55	Peterson, R.J.	200.0	160.0	I	Y
3	E2 SW4	12/12/56	Peterson, R.J.	90.0	40.0	I	Y
13	SW4	3/26/70	Bert Wilkins Logging	3500.0	2824.0	D,I	N
28	NW4	1/29/59	Mitchell, F.L.	1600.0	640.0	D,I	N
34	SE4 NE4	8/02/72	Mercer Ranches Inc.	5000.0		D,S,I	N

TABLE H-3 Water-Right Claims on Ground Water in Klickitat County, Washington

Section	Location	Priority	Name	Quantity Instantaneous (CFS)	Quantity Annual (Acre feet)	Use	Certification
			T. 6 N., R. 20 E.				
35	NW4 NE4	2/09/70	Jensen, J.A.	9.0	2.0	D,S	Y
			T. 6 N., R. 23 E.				
9	NW4 SE4	1/17/72	Andrews, Robert	3000.0		I	N
11	SW4 SE4	6/27/60	Smith, G.W.	200.0	160.0	D,I	Y
11	SE4	6/27/60	Smith, G.W.	400.0	320.0	I	Y
12	SW4 SE4	1/17/72	Andrews, Robert	12000.0		I	N
15	SE4 NE4	10/24/67	Smith, G.W.	600.0	720.0	I	Y
16	NE4	8/30/71	Washington Dept. Natural Resources	6300.0	2133.0	I	N
22	NE4 SE4	3/20/70	Smith & Andrews	2500.0	3333.0	I	N
22	NE4 SE4	4/01/71	Andrews, Robert	2400.0	2561.0	I,D	N
36	NE4	8/30/71	Washington Dept. Natural Resources	6300.0		D,S,I	N