

GROUND-WATER LEVELS

BENTON COUNTY

462913119362102. Local number, 12N/26E-31C01D1.

LOCATION.--Lat 46°29'13", long 119°36'21", Hydrologic Unit 17030003, near Richland.

Owner: U.S. Department of Energy, Hanford Site Well 699-17-70.

AQUIFER.--Middle Part of Ringold Formation of Pliocene Age.

WELL CHARACTERISTICS.--Drilled observation well, water table, diameter 8 in, depth 125 ft.

DATUM.--Elevation of land-surface datum is 561.18 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; perforated 8 in diameter casing from 75 to 125 ft, water level measured in 8 in casing. This well was originally 286 ft deep and was back-filled to 125 ft in July 1978. Water levels were measured in the original well (12N/26E-31C01) from November 1958 to December 1977. The gradual water-level rise exhibited by the reconstructed well may result from leakage across the plug at the top of the backfill material, and therefore not represent a true water-level trend in the aquifer.

PERIOD OF RECORD.--December 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 86.0 ft below land-surface datum, May 13, June 27, and Aug. 12, 2002; lowest measured, 87.8 ft below land-surface datum, Dec. 1, 1978, Dec. 1, 1980, and Dec. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 14	86.1	FEB 11	86.1	MAY 13	86.0	AUG 12	86.0
DEC 28	86.1	MAR 28	86.1	JUN 27	86.0	SEP 30	86.1

COLUMBIA COUNTY

461935118081501. Local number, 10N/37E-23R01.

LOCATION.--Lat 46°19'34", long 118°08'14", Hydrologic Unit 17070102, near Dayton.

Owner: Joe McCown.

AQUIFER.--Grande Ronde Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt Group of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused irrigation well, water table, diameter 6 in, depth 103 ft.

DATUM.--Elevation of land-surface datum is 1,390 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; uncertain, probably 6 in diameter open end casing at 103 ft., water level measured in 6 in casing

PERIOD OF RECORD.--June 1968 to November 1973. September 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 24.40 ft below land-surface datum, Sept. 8, 1997; lowest measured, 41.28 ft below land-surface datum, June 25, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 5	37.95	MAR 21	38.24	MAY 10	37.50	JUL 3	37.56
JAN 1	37.60						

LINCOLN COUNTY

473442118162201. Local number, 24N/36E-16A01.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Wanapum Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, water-table, diameter 10 in, depth 117 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 75 to 117 ft, water level measured in 10 in casing. A pressure transducer and data logger were installed on Feb. 1, 1998. Water levels were recorded at 4-hour intervals. The water levels below are average daily values for the dates given.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 26.57 ft below land-surface datum, April 9, 1997; lowest measured, 52.15 ft below land-surface datum, Sept. 23, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 5	37.8	FEB 15	36.4	MAY 5	34.8	JUL 20	35.9
OCT 10	37.9	FEB 20	35.7	MAY 10	34.9	JUL 25	36.0
OCT 15	38.1	FEB 25	35.2	MAY 15	34.9	JUL 30	36.1
OCT 20	38.0	FEB 28	35.0	MAY 20	34.8	AUG 5	36.3
OCT 25	38.2	MAR 5	34.9	MAY 25	34.8	AUG 10	36.4
OCT 30	38.2	MAR 10	35.1	MAY 30	35.0	AUG 15	36.5
NOV 5	38.2	MAR 15	34.9	JUN 5	35.1	AUG 20	36.6
NOV 10	38.4	MAR 20	35.1	JUN 10	35.1	AUG 25	36.8
NOV 15	38.4	MAR 25	34.7	JUN 15	35.1	AUG 30	36.9
NOV 20	38.3	MAR 30	34.8	JUN 20	35.2	SEP 5	37.0
NOV 25	38.0	APR 5	34.7	JUN 25	35.4	SEP 10	37.2
NOV 26	38.3	APR 10	34.8	JUN 30	35.4	SEP 15	37.2
JAN 31	36.3	APR 15	34.6	JUL 5	35.5	SEP 20	37.5
FEB 6	36.3	APR 20	34.8	JUL 10	35.6	SEP 25	37.6
FEB 8	36.4	APR 25	34.8	JUL 15	35.7	SEP 30	37.6
FEB 10	36.5	APR 30	34.7				

473442118162202. Local number, 24N/36E-16A02.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Wanapum Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 160 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 123 to 160 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.62 ft below land-surface datum, Apr. 9, 1997; lowest measured, 52.2 ft below land-surface datum, Sept. 23, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	38.1	FEB 6	36.2	APR 18	34.95	JUL 31	36.25
JAN 31	36.3						

473442118162203. Local number, 24N/36E-16A03.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Wanapum Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 224 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 208 to 224 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 26.58 ft below land-surface datum, Apr. 9, 1997; lowest measured 52.24 ft below land-surface datum, Sept. 23, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	38.1	FEB 6	36.3	APR 18	34.95	JUL 31	36.25
JAN 31	36.3						

473442118162204. Local number, 24N/36E-16A04.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Wanapum Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 261 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 242 to 261 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 26.04 ft below land-surface datum, Apr. 9, 1997; lowest measured, 52.28 ft below land-surface datum, Sept. 23, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	38.3	FEB 6	36.4	APR 18	35.10	JUL 31	36.3
JAN 31	36.5						

473442118162205. Local number, 24N/36E-16A05.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Wanapum and Grande Ronde Basalts of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 365 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 315 to 365 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 27.90 ft below land-surface datum, May 1, 1974; lowest measured, 57.55 below land-surface datum, Sept. 23, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	39.5	FEB 6	39.6	APR 18	38.60	JUL 31	38.50
JAN 31	39.6						

GROUND-WATER LEVELS

473442118162206. Local number, 24N/36E-16A06.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Grande Ronde Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 491 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 451 to 491 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 29.6 ft below land-surface datum Feb. 6, 1998; lowest measured, 87.9 ft below land-surface datum, Sept. 8, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	37.0	FEB 6	37.6	APR 18	38.12	JUL 31	38.84
JAN 31	37.7						

473442118162207. Local number, 24N/36E-16A07.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Grande Ronde Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 635 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 590 to 635 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 161.17 ft below land-surface datum Mar. 22, 1972; lowest measured, 217.88 ft below land-surface datum, July 26, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	199.61	FEB 6	193.65	APR 18	191.72	JUL 31	198.92
JAN 31	194.25						

473442118162208. Local number, 24N/36E-16A08.

LOCATION.--Lat 47°34'41", long 118°16'27", Hydrologic Unit 17020013, near Davenport.

Owner: Washington State, Department of Ecology.

AQUIFER.--Grande Ronde Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 10 in, depth 750 ft.

DATUM.--Elevation of land-surface datum is 2,372 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter open hole from 728 to 750 ft, water level measured in 1.25 in diameter piezometer.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 161.52 ft below land-surface datum, Mar. 22, 1972; lowest measured, 217.93 ft below land-surface datum, July 26, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 18	199.6	FEB 6	193.8	APR 18	191.72	JUL 31	198.90
JAN 31	194.2						

GROUND-WATER LEVELS

543

OKANOGAN COUNTY

482252120134501. Local number, 33N/21E-09D02

LOCATION.--Lat 48°22'52.2",long 120°13'45.4", Hydrologic Unit 17020008, near Twisp.

Owner: Washington State, Department of Fish and Wildlife.

AQUIFER.--Unidentified gravel unit of Pleistocene Age and unidentified shale unit of Cretaceous Age.

WELL CHARACTERISTICS.--Drilled observation well, water table/confined, diameter 6 in, depth 61 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

DATUM.--Elevation of land-surface datum is 2000.4 feet above NGVD of 1929.

REMARKS.--Monitored depth interval; 6 in diameter open hole from 53-61 ft.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 41.2 ft below land-surface datum, May 25-28, 2002; lowest measured, 43.4 ft below land-surface datum, Dec. 27-29, Jan. 4-7, Jan. 9 to Mar. 26, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.7	43.0	43.3	43.3	43.4	43.4	43.3	43.0	42.1	42.5	42.7	43.0
2	42.7	43.0	43.3	43.3	43.4	43.4	43.3	43.0	42.1	42.5	42.7	43.0
3	42.7	43.0	43.3	43.3	43.4	43.4	43.3	43.0	42.1	42.5	42.7	43.0
4	42.7	43.0	43.3	43.4	43.4	43.4	43.3	43.0	42.1	42.5	42.7	43.0
5	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.9	42.1	42.5	42.8	43.0
6	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.8	42.2	42.5	42.8	43.1
7	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.8	42.2	42.5	42.8	43.1
8	42.8	43.1	43.3	43.3	43.4	43.4	43.2	42.8	42.2	42.5	42.8	43.1
9	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.7	42.2	42.5	42.8	43.1
10	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.6	42.2	42.5	42.8	43.1
11	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.5	42.3	42.5	42.8	43.1
12	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.4	42.3	42.5	42.8	43.1
13	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.3	42.3	42.5	42.8	43.1
14	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.2	42.3	42.5	42.9	43.1
15	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.1	42.3	42.5	42.9	43.1
16	42.8	43.1	43.3	43.4	43.4	43.4	43.2	42.1	42.3	42.5	42.9	43.1
17	42.8	43.2	43.3	43.4	43.4	43.4	43.2	42.0	42.3	42.5	42.9	43.1
18	42.9	43.2	43.3	43.4	43.4	43.4	43.2	42.0	42.4	42.5	42.9	43.2
19	42.9	43.2	43.3	43.4	43.4	43.4	43.2	41.9	42.4	42.5	42.9	43.2
20	42.9	43.2	43.3	43.4	43.4	43.4	43.2	41.9	42.4	42.5	42.9	43.2
21	42.9	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.5	43.0	43.2
22	42.9	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.5	43.0	43.2
23	42.9	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.5	43.0	43.2
24	42.9	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.6	43.0	43.2
25	43.0	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.6	43.0	43.2
26	43.0	43.2	43.3	43.4	43.4	43.4	43.1	41.9	42.4	42.6	43.0	43.2
27	43.0	43.2	43.4	43.4	43.4	43.3	43.1	41.9	42.4	42.6	43.0	43.2
28	43.0	43.2	43.4	43.4	43.4	43.3	43.1	41.9	42.4	42.6	43.0	43.2
29	43.0	43.2	43.4	43.4	---	43.3	43.1	42.0	42.4	42.6	43.0	43.3
30	43.0	43.3	43.3	43.4	---	43.3	43.1	42.0	42.4	42.6	43.0	43.3
31	43.0	---	43.3	43.4	---	43.3	---	42.0	---	42.7	43.0	---
MEAN	42.9	43.1	43.3	43.4	43.4	43.4	43.2	42.3	42.3	42.5	42.9	43.1
MAX	43.0	43.3	43.4	43.4	43.4	43.4	43.3	43.0	42.4	42.7	43.0	43.3
MIN	42.7	43.0	43.3	43.3	43.4	43.3	43.1	41.9	42.1	42.5	42.7	43.0

GROUND-WATER LEVELS

482246120134101, Local number, 33N/21E-09D03.

LOCATION.--Lat 48°22'46.2", long 120°13'41.0", Hydrologic Unit 17020008, near Twisp.

Owner: Washington State, Department of Fish and Wildlife.

AQUIFER.-- Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 38 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

DATUM.--Elevation of land-surface datum is 1,964.8 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; perforated 6 in diameter casing from 33 to 38 ft.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 26.1 ft below land-surface datum, May 25, 2001; lowest measured, 30.9 ft below land-surface datum, Feb. 13-19, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.8	30.4	30.6	30.7	---	30.7	30.4	30.1	26.6	27.4	27.6	28.5
2	28.8	30.4	30.6	30.7	30.8	30.7	30.4	29.9	26.6	27.4	27.7	28.4
3	28.9	30.4	30.6	30.7	30.8	30.7	30.4	29.8	26.7	27.4	27.8	28.5
4	28.9	30.5	30.6	30.7	30.8	30.7	30.4	29.7	26.7	27.4	27.8	28.5
5	29.0	30.5	30.6	30.7	30.8	30.7	30.3	29.6	26.7	27.4	27.9	28.5
6	29.0	30.5	30.6	30.8	30.8	30.7	30.3	29.5	26.8	27.4	27.9	28.5
7	29.0	30.5	30.7	30.8	30.8	30.7	30.3	29.4	26.8	27.4	28.0	28.6
8	29.1	30.5	30.7	30.7	30.8	30.7	30.3	29.3	26.9	27.4	28.0	28.6
9	29.1	30.6	30.7	30.7	30.8	30.7	30.3	29.2	27.0	27.4	28.1	28.6
10	29.1	30.6	30.7	30.7	30.8	30.7	30.3	29.0	27.0	27.4	28.1	28.7
11	29.1	30.6	30.7	30.7	30.8	30.7	30.3	28.8	27.0	27.4	28.1	28.7
12	29.1	30.6	30.7	30.7	30.8	30.7	30.3	28.6	27.0	27.4	28.1	28.7
13	29.2	30.6	30.7	30.7	30.9	30.7	30.3	28.2	27.0	27.3	28.2	28.8
14	29.2	30.6	30.6	30.7	30.9	30.7	30.3	27.9	27.0	27.3	28.2	28.8
15	29.2	30.6	30.7	30.7	30.9	30.7	30.3	27.5	27.0	27.3	28.2	28.8
16	29.3	30.6	30.7	30.8	30.9	30.7	30.3	27.3	27.0	27.3	28.2	28.9
17	29.4	30.6	30.6	30.8	30.9	30.7	30.2	27.0	27.1	27.3	28.3	28.9
18	29.5	30.6	30.7	30.8	30.9	30.7	30.2	26.8	27.2	27.3	28.3	28.9
19	29.6	30.6	30.7	30.8	30.9	30.7	30.2	26.7	27.2	27.3	28.3	28.9
20	29.8	30.5	30.7	30.8	30.8	30.7	30.2	26.5	27.3	27.3	28.4	28.9
21	29.9	30.5	30.7	30.8	30.8	30.7	30.3	26.4	27.3	27.3	28.4	28.9
22	30.0	30.5	30.7	30.8	30.8	30.7	30.3	26.4	27.3	27.4	28.5	29.0
23	30.0	30.5	30.7	30.8	30.8	30.7	30.3	26.4	27.3	27.4	28.5	29.0
24	30.1	30.6	30.7	30.8	30.8	30.7	30.3	26.4	27.3	27.4	28.5	29.0
25	30.2	30.6	30.7	30.8	30.7	30.7	30.2	26.4	27.3	27.4	28.5	29.1
26	30.2	30.6	30.7	30.8	30.7	30.6	30.2	26.3	27.3	27.4	28.4	29.1
27	30.2	30.6	30.8	30.8	30.7	30.6	30.2	26.3	27.3	27.4	28.4	29.1
28	30.3	30.6	30.8	30.8	30.7	30.6	30.3	26.3	27.3	27.5	28.4	29.1
29	30.3	30.6	30.7	30.8	---	30.6	30.3	26.4	27.3	27.5	28.5	29.1
30	30.3	30.6	30.7	30.8	---	30.6	30.3	26.4	27.3	27.5	28.5	29.1
31	30.4	---	30.7	30.8	---	30.5	---	26.5	---	27.6	28.4	---
MEAN	29.5	30.6	30.7	30.8	30.8	30.7	30.3	27.8	27.1	27.4	28.2	28.8
MAX	30.4	30.6	30.8	30.8	30.9	30.7	30.4	30.1	27.3	27.6	28.5	29.1
MIN	28.8	30.4	30.6	30.7	30.7	30.5	30.2	26.3	26.6	27.3	27.6	28.4

GROUND-WATER LEVELS

545

482224120115401. Local number, 33N/21E-10L02.

LOCATION.--Lat 48°22'24.3", long 120°11'54.9", Hydrologic Unit 17020008, near Twisp.

Owner: Chris and Pat Christianson.

AQUIFER.-- Unidentified sand and gravel unit of Pleistocene Age and unidentified shale unit of Cretaceous-Jurassic Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 80 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

DATUM.--Elevation of land-surface datum is 1,851.1 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 6 in diameter open hole from 78 to 80 ft.

PERIOD OF RECORD.--April 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 29.5 ft below land-surface datum, June 15-16, 2002; lowest measured, 33.7 ft below land-surface datum, Nov. 7-13, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.6	33.5	33.5	33.5	---	33.0	32.4	31.8	29.8	30.1	30.9	31.8
2	32.8	33.5	33.5	33.5	33.5	33.0	32.4	31.7	30.0	30.2	30.9	31.8
3	32.8	33.6	33.5	33.5	33.5	33.0	32.4	31.6	30.0	30.3	30.9	31.8
4	32.9	33.6	33.5	33.5	33.5	33.0	32.4	31.7	30.0	30.3	30.9	31.8
5	32.9	33.6	33.5	33.5	33.5	33.0	32.3	31.7	29.8	30.4	30.9	31.8
6	32.8	33.6	33.5	33.5	33.5	33.0	32.3	31.8	29.7	30.4	30.9	31.7
7	32.9	33.7	33.5	33.5	33.5	33.0	32.2	31.8	29.9	30.3	31.0	31.7
8	32.9	33.7	33.5	33.4	33.5	33.0	32.2	31.9	30.0	30.2	31.1	31.6
9	32.9	33.7	33.5	33.4	33.4	33.0	32.2	31.9	30.1	30.3	31.1	31.7
10	32.9	33.7	33.4	33.4	33.4	32.9	32.2	32.0	30.2	30.3	31.1	31.7
11	32.9	33.7	33.4	33.4	33.4	32.9	32.1	32.0	30.2	30.3	31.2	31.6
12	33.0	33.7	33.5	33.4	33.4	32.9	32.1	32.0	30.0	30.3	31.3	31.7
13	33.0	33.7	33.4	33.4	33.4	32.9	32.0	31.9	29.9	30.4	31.3	31.7
14	33.0	33.6	33.4	33.5	33.4	32.9	31.8	31.8	29.6	30.4	31.3	31.7
15	33.1	33.5	33.5	33.5	33.4	32.8	31.8	31.7	29.5	30.4	31.3	31.8
16	33.1	33.5	33.4	33.5	33.4	32.8	31.8	31.5	29.5	30.5	31.3	31.8
17	33.1	33.6	33.4	33.5	33.4	32.8	31.8	31.4	29.6	30.5	31.4	31.7
18	33.2	33.6	33.4	33.5	33.3	32.8	31.9	31.1	29.7	30.4	31.5	31.7
19	33.2	33.6	33.4	33.5	33.3	32.8	31.9	31.0	29.8	30.4	31.6	31.7
20	33.2	33.5	33.4	33.4	33.3	32.8	31.9	30.7	29.8	30.5	31.6	31.7
21	33.3	33.5	33.4	33.4	33.3	32.8	31.9	30.5	29.8	30.6	31.6	31.8
22	33.3	33.5	33.4	33.5	33.3	32.8	31.9	30.5	29.7	30.6	31.6	32.0
23	33.3	33.5	33.4	33.5	33.1	32.8	31.9	30.5	29.8	30.6	31.6	32.0
24	33.3	33.5	33.5	33.4	33.0	32.7	31.9	30.5	29.8	30.6	31.7	32.0
25	33.4	33.5	33.5	33.4	33.1	32.6	31.9	30.5	29.9	30.6	31.6	32.0
26	33.4	33.5	33.5	33.5	33.0	32.5	31.9	30.4	29.9	30.6	31.6	31.9
27	33.4	33.5	33.5	33.5	33.0	32.5	31.9	30.2	29.8	30.6	31.6	31.8
28	33.5	33.5	33.5	33.5	33.0	32.5	32.0	29.9	29.8	30.7	31.7	31.9
29	33.5	33.5	33.5	33.5	---	32.5	31.9	29.7	29.9	30.7	31.7	32.0
30	33.5	33.5	33.5	33.5	---	32.4	31.9	29.6	30.0	30.8	31.8	32.1
31	33.5	---	33.5	33.4	---	32.4	---	29.7	---	30.8	31.8	---
MEAN	33.1	33.6	33.5	33.5	33.3	32.8	32.0	31.1	29.9	30.5	31.3	31.8
MAX	33.5	33.7	33.5	33.5	33.5	33.0	32.4	32.0	30.2	30.8	31.8	32.1
MIN	32.6	33.5	33.4	33.4	33.0	32.4	31.8	29.6	29.5	30.1	30.9	31.6

GROUND-WATER LEVELS

482221120115601, Local number, 33N/21E-10L03.

LOCATION.--Lat 48°22'22.1", long 120°11'55.8", Hydrologic Unit 17020008, near Twisp.

Owner: Chris and Pat Christianson.

AQUIFER.-- Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 38 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

REMARKS.--Monitored depth interval; 6 in diameter open end casing at 38 ft.

DATUM.--Elevation of land-surface datum is 1,830.1 ft above NGVD of 1929.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 8.5 ft below land-surface datum, June 16-17, 2002; lowest measured, 12.4 ft below land- surface datum, May 9, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.4	12.1	12.1	12.1	12.2	11.9	11.3	10.8	8.8	9.0	9.8	10.8
2	11.5	12.1	12.1	12.1	12.2	11.9	11.3	10.6	8.8	9.1	9.8	10.8
3	11.6	12.2	12.1	12.1	12.3	11.9	11.3	10.6	8.9	9.2	9.8	10.8
4	11.6	12.2	12.1	12.1	12.3	11.9	11.3	10.6	8.9	9.2	9.8	10.8
5	11.7	12.2	12.1	12.1	12.3	11.9	11.3	10.6	8.9	9.3	9.9	10.8
6	11.7	12.2	12.1	12.2	12.3	11.9	11.2	10.6	8.7	9.3	9.9	10.8
7	11.7	12.2	12.1	12.2	12.3	11.9	11.2	10.6	8.8	9.3	9.9	10.8
8	11.7	12.2	12.1	12.2	12.3	11.8	11.2	10.6	8.8	9.3	9.9	10.7
9	11.7	12.2	12.1	12.1	12.3	11.8	11.1	10.7	8.9	9.3	10.0	10.7
10	11.7	12.3	12.1	12.1	12.3	11.8	11.1	10.7	9.0	9.3	10.0	10.7
11	11.7	12.3	12.1	12.1	12.3	11.8	11.1	10.8	9.1	9.3	10.1	10.7
12	11.7	12.3	12.1	12.1	12.3	11.8	11.1	10.8	9.1	9.4	10.1	10.7
13	11.8	12.3	12.1	12.2	12.3	11.8	11.0	10.8	9.0	9.4	10.2	10.7
14	11.8	12.3	12.1	12.2	12.3	11.8	10.8	10.7	8.8	9.4	10.2	10.7
15	11.8	12.2	12.1	12.2	12.2	11.8	10.7	10.6	8.6	9.4	10.2	10.8
16	11.8	12.2	12.1	12.3	12.2	11.7	10.7	10.6	8.5	9.4	10.3	10.8
17	11.8	12.2	12.1	12.3	12.2	11.7	10.7	10.4	8.5	9.5	10.3	10.8
18	11.9	12.2	12.1	12.3	12.2	11.7	10.8	10.2	8.6	9.5	10.3	10.8
19	11.9	12.2	12.1	12.2	12.2	11.7	10.8	10.0	8.6	9.5	10.4	10.8
20	11.9	12.2	12.0	12.2	12.2	11.7	10.8	9.8	8.7	9.5	10.5	10.8
21	11.9	12.2	12.0	12.2	12.2	11.7	10.8	9.6	8.8	9.5	10.5	10.8
22	12.0	12.2	12.0	12.2	12.2	11.7	10.8	9.6	8.8	9.6	10.6	10.8
23	12.0	12.1	12.0	12.2	12.0	11.7	10.8	9.6	8.8	9.6	10.6	10.8
24	12.0	12.2	12.0	12.2	11.9	11.7	10.8	9.6	8.8	9.6	10.6	10.9
25	12.0	12.2	12.0	12.2	11.9	11.5	10.8	9.6	8.8	9.6	10.6	10.9
26	12.0	12.2	12.0	12.2	11.9	11.4	10.8	9.5	8.8	9.6	10.6	10.9
27	12.0	12.2	12.1	12.2	11.9	11.4	10.8	9.4	8.8	9.6	10.7	10.9
28	12.0	12.2	12.1	12.2	11.9	11.4	10.8	9.1	8.9	9.7	10.7	10.9
29	12.1	12.2	12.1	12.3	---	11.4	10.8	8.8	9.0	9.7	10.7	10.9
30	12.1	12.2	12.1	12.3	---	11.4	10.9	8.7	9.0	9.7	10.7	10.9
31	12.1	---	12.1	12.2	---	11.3	---	8.7	---	9.7	10.8	---
MEAN	11.8	12.2	12.1	12.2	12.2	11.7	11.0	10.1	8.8	9.4	10.3	10.8
MAX	12.1	12.3	12.1	12.3	12.3	11.9	11.3	10.8	9.1	9.7	10.8	10.9
MIN	11.4	12.1	12.0	12.1	11.9	11.3	10.7	8.7	8.5	9.0	9.8	10.7

GROUND-WATER LEVELS

547

482213120103601. Local number, 33N/21E-11P03.

LOCATION.--Lat 48°22'13.2", long 120°10'36.7", Hydrologic Unit 17020008, near Twisp.

Owner: Connie and Barry Swanson.

AQUIFER.-- Unidentified igneous rock of Cretaceous-Jurassic Age.

WELL CHARACTERISTICS.--Drilled unused well, confined, diameter 6 in, depth 160 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

DATUM.--Elevation of land-surface datum is 1,825.6 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 6 in diameter open hole from 101-160 ft.

PERIOD OF RECORD.--April 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 76.8 ft below land-surface datum, Aug. 19 and Sept. 29, 2002;

lowest measured, 85.2 ft below land-surface datum, May 2-3, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78.8	80.0	81.0	82.1	82.7	82.8	83.1	83.4	82.0	79.6	77.4	77.0
2	78.8	80.1	81.0	82.1	82.7	82.9	83.1	83.2	81.9	79.5	77.3	77.0
3	78.8	80.1	81.2	82.1	82.7	82.9	83.0	83.3	81.9	79.3	77.3	77.0
4	78.8	80.0	81.3	82.2	82.7	82.8	83.0	83.3	81.8	79.3	77.2	77.0
5	78.8	80.1	81.3	82.2	82.6	82.7	82.9	83.3	81.7	79.3	77.2	77.0
6	78.7	80.2	81.3	82.1	82.5	82.8	82.8	83.4	81.6	79.2	77.2	77.0
7	78.7	80.4	81.5	82.1	82.5	82.8	82.8	83.4	81.5	79.1	77.2	76.9
8	78.7	80.4	81.4	82.1	82.6	82.9	82.8	83.4	81.4	79.0	77.2	77.0
9	78.9	80.4	81.4	82.2	82.8	83.0	82.7	83.3	81.3	79.0	77.1	77.0
10	78.9	80.4	81.4	82.3	82.7	82.9	82.8	83.3	81.2	78.8	77.0	77.0
11	78.9	80.4	81.4	82.4	82.8	82.7	82.8	83.2	81.2	78.7	77.0	76.9
12	78.8	80.4	81.5	82.2	82.9	82.7	82.8	83.2	81.1	78.6	77.0	76.9
13	78.8	80.4	81.3	82.3	82.7	82.8	82.8	83.2	81.1	78.4	77.0	76.9
14	78.9	80.5	81.3	82.3	82.9	82.9	82.7	83.1	81.0	78.4	76.9	76.9
15	79.0	80.5	81.5	82.3	82.9	82.9	82.8	83.0	80.8	78.4	76.9	76.9
16	79.0	80.6	81.4	82.4	82.8	82.8	82.8	82.9	80.7	78.3	76.9	76.9
17	79.1	80.8	81.6	82.4	82.6	82.9	82.9	82.8	80.6	78.2	76.9	77.0
18	79.1	80.9	81.7	82.5	82.6	83.0	83.0	82.7	80.5	78.2	76.9	77.1
19	79.0	80.8	81.8	82.4	82.6	83.0	82.9	82.6	80.4	78.1	76.8	77.0
20	79.0	80.7	81.7	82.3	82.8	83.1	82.8	82.5	80.3	78.1	76.9	77.0
21	79.0	80.7	81.8	82.3	82.8	83.1	82.9	82.5	80.2	78.1	76.9	77.1
22	79.1	80.6	81.9	82.3	82.7	83.0	82.8	82.5	80.1	78.0	77.0	77.1
23	79.3	80.8	82.0	82.4	82.6	82.9	82.9	82.5	80.0	77.9	77.0	77.0
24	79.5	80.7	82.1	82.4	82.8	83.0	82.9	82.4	79.9	77.8	77.0	77.0
25	79.6	80.6	82.1	82.3	82.8	83.0	82.9	82.3	79.8	77.8	77.0	77.0
26	79.7	80.9	82.1	82.3	82.8	83.0	82.9	82.3	79.7	77.6	77.0	76.9
27	79.7	81.0	82.0	82.4	82.7	83.0	83.1	82.3	79.5	77.6	77.0	76.9
28	79.9	80.8	82.0	82.5	82.7	83.0	83.5	82.2	79.4	77.6	77.0	76.9
29	80.0	80.9	82.1	82.6	---	83.0	83.5	82.2	79.4	77.6	76.9	76.8
30	79.9	81.0	82.1	82.6	---	83.1	83.5	82.1	79.5	77.5	76.9	76.9
31	79.8	---	82.1	82.6	---	83.0	---	82.1	---	77.5	77.0	---
MEAN	79.1	80.5	81.6	82.3	82.7	82.9	82.9	82.8	80.7	78.4	77.0	77.0
MAX	80.0	81.0	82.1	82.6	82.9	83.1	83.5	83.4	82.0	79.6	77.4	77.1
MIN	78.7	80.0	81.0	82.1	82.5	82.7	82.7	82.1	79.4	77.5	76.8	76.8

GROUND-WATER LEVELS

48221210104001, Local number, 33N/21E-11P04.

LOCATION.--Lat 48°22'12.0", long 120°10'40.0", Hydrologic Unit 17020008, near Twisp.

Owner: Connie and Barry Swanson.

AQUIFER.-- Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 30 ft.

INSTRUMENTATION.--A non-submersible pressure transducer and data logger.

DATUM.--Elevation of land-surface datum is 1,748.9 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; perforated 6 in diameter casing from 25 to 30 ft.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 5.9 ft below land-surface datum, May 30 and June 16, 2002;

lowest measured, 8.7 ft below land-surface datum, Dec. 30, 2001 to Jan.7, 2002, and Feb. 20, 21, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	8.4	8.6	8.7	8.4	8.4	7.8	7.5	6.1	6.6	7.6	7.9
2	8.2	8.5	8.6	8.7	8.5	8.4	7.8	7.3	6.1	6.8	7.7	7.9
3	8.3	8.5	8.6	8.7	8.6	8.4	7.8	7.2	6.1	6.9	7.7	7.9
4	8.3	8.5	8.6	8.7	8.6	8.4	7.9	7.2	6.1	7.0	7.7	7.9
5	8.3	8.5	8.6	8.7	8.6	8.4	7.9	7.2	6.0	7.0	7.7	7.9
6	8.2	8.5	8.6	8.7	8.6	8.4	7.8	7.2	6.0	7.1	7.7	7.8
7	8.2	8.5	8.6	8.7	8.6	8.4	7.8	7.2	6.1	7.1	7.7	7.8
8	8.2	8.6	8.6	8.6	8.6	8.4	7.8	7.2	6.3	7.0	7.7	7.8
9	8.2	8.6	8.6	8.6	8.6	8.4	7.8	7.2	6.4	7.0	7.8	7.8
10	8.2	8.6	8.6	8.6	8.6	8.4	7.8	7.2	6.5	7.0	7.8	7.8
11	8.2	8.6	8.6	8.6	8.7	8.4	7.8	7.3	6.5	7.0	7.8	7.9
12	8.2	8.6	8.6	8.6	8.6	8.4	7.8	7.3	6.4	7.0	7.8	7.9
13	8.2	8.6	8.6	8.6	8.6	8.4	7.7	7.2	6.3	7.0	7.8	8.0
14	8.2	8.6	8.6	8.6	8.5	8.4	7.6	7.2	6.1	7.0	7.9	8.0
15	8.2	8.6	8.6	8.6	8.5	8.4	7.5	7.1	6.0	7.1	7.9	8.0
16	8.2	8.5	8.6	8.6	8.6	8.4	7.5	7.0	5.9	7.1	8.0	8.0
17	8.2	8.5	8.6	8.5	8.6	8.4	7.5	7.0	6.1	7.2	8.0	8.0
18	8.2	8.6	8.6	8.4	8.6	8.4	7.5	6.9	6.2	7.2	8.0	8.0
19	8.3	8.5	8.6	8.4	8.6	8.4	7.5	6.8	6.4	7.3	8.0	8.0
20	8.3	8.5	8.5	8.4	8.7	8.4	7.5	6.7	6.5	7.3	8.0	8.0
21	8.3	8.5	8.5	8.5	8.7	8.4	7.5	6.5	6.5	7.3	8.0	7.9
22	8.3	8.5	8.6	8.5	8.6	8.4	7.5	6.5	6.5	7.4	8.0	7.9
23	8.3	8.5	8.6	8.4	8.5	8.4	7.6	6.5	6.5	7.4	8.0	7.9
24	8.3	8.5	8.6	8.3	8.5	8.4	7.6	6.6	6.5	7.5	8.0	7.9
25	8.3	8.5	8.6	8.4	8.5	8.2	7.5	6.6	6.5	7.5	8.0	8.0
26	8.3	8.5	8.6	8.4	8.4	8.1	7.6	6.5	6.5	7.5	7.8	8.0
27	8.3	8.6	8.6	8.5	8.4	8.1	7.6	6.5	6.4	7.5	7.9	7.9
28	8.4	8.5	8.6	8.5	8.4	8.0	7.6	6.3	6.4	7.5	7.9	7.9
29	8.4	8.6	8.6	8.6	---	7.9	7.6	6.0	6.4	7.6	7.9	7.9
30	8.4	8.6	8.7	8.5	---	7.9	7.6	5.9	6.5	7.6	7.9	7.9
31	8.4	---	8.7	8.4	---	7.8	---	6.0	---	7.6	7.9	---
MEAN	8.3	8.5	8.6	8.5	8.6	8.3	7.7	6.9	6.3	7.2	7.9	7.9
MAX	8.4	8.6	8.7	8.7	8.7	8.4	7.9	7.5	6.5	7.6	8.0	8.0
MIN	8.2	8.4	8.5	8.3	8.4	7.8	7.5	5.9	5.9	6.6	7.6	7.8

PIERCE COUNTY

471137122304701. Local number, 20N/02E-26C01.

LOCATION.--Lat 47°11'45.4", long 122°30'55.4", Hydrologic Unit 17110019, in Tacoma.

Owner: Meadow Park Golf Course, City of Tacoma.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled irrigation well, confined, diameter 10 in, depth 157 ft.

DATUM.--Elevation of land-surface datum is 242 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter screen from 142 to 157 ft, water level measured in 10 in casing. Measurements made by Tom Higgins, Meadow Park employee.

PERIOD OF RECORD.--November 1974, April 1989 to September 1990, February 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 19.00 ft below land-surface datum, Feb. 15, 2000; lowest measured, 44.34 ft below land-surface datum, June 30, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 1	24.20	JAN 18	19.43	APR 30	32.90	SEP 27	30.82
DEC 5	20.45	MAR 28	31.70	JUL 18	38.81		

471148122305501. Local number, 20N/02E-26C02.

LOCATION.--Lat 47°11'47.6", long 122°30'55.2", Hydrologic Unit 17110019, in Tacoma.

Owner: Meadow Park Golf Course, City of Tacoma.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled irrigation well, confined, diameter 12 in, depth 265.5 ft.

DATUM.--Elevation of land-surface datum is 250 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 10 in diameter screens from 218.5 to 233.5 ft, 240.5 to 245.5 ft, and 250.5 to 260.5 ft, water level measured in 12 in casing. Measurements made by Tom Higgins, Meadow Park employee.

PERIOD OF RECORD.--October 1989 to June 1990, February 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 27.86 ft below land-surface datum, Mar. 31, 2000; lowest measured, 54.67 ft below land-surface datum, June 30, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 1	33.42R	JAN 18	28.17	APR 30	42.79	SEP 27	40.51
DEC 5	28.77	MAR 28	41.39	JUL 18	52.86		R = well recently pumped

471032122292701. Local number, 20N/02E-36K01.

LOCATION.--Lat 47°10'31.0", long 122°29'31.9", Hydrologic Unit 17110019, in Lakewood.

Owner: U.S. Geological Survey.

AQUIFER.--Unidentified gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Augered observation well, water table, diameter 2 in, depth 90 ft.

DATUM.--Elevation of land-surface datum is 275 ft above NGVD of 1929.

REMARKS.--Monitored depth intervals; 2 in diameter screens from 55 to 65 ft and 75 to 85 ft, water level measured in 2 in casing.

PERIOD OF RECORD.--October 1997, July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 33.77 ft below land-surface datum, Feb. 22, 2002; lowest measured, 43.50 ft below land-surface datum, Aug. 3, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 8	39.12	JAN 17	34.02	APR 26	35.52	JUL 22	38.08
OCT 23	39.23	FEB 1	33.90	MAY 10	35.39	AUG 5	38.16
NOV 9	38.65	FEB 22	33.77	MAY 24	35.39	AUG 19	39.04
NOV 23	37.33	FEB 27	33.72	JUN 7	37.04	SEP 5	39.10
DEC 13	34.92	MAR 14	33.95	JUN 25	37.35	SEP 19	38.99
JAN 3	34.34	MAR 28	34.88	JUL 5	36.85		

GROUND-WATER LEVELS

472121122442011. Local number, 22N/01W-36H01D11.

LOCATION.--Lat 47°21'21", long 122°44'20", Hydrologic Unit 17110019, near Key Center.

Owner: Washington State, Department of Natural Resources.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Augered observation well, confined, diameter 1.25 in, depth 74 ft.

DATUM.--Elevation of land-surface datum is 183 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 1.25 in diameter screen from 71 to 74 ft, water level measured in 1.25 in casing.

PERIOD OF RECORD.--August 1992 to October 1993, October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 24.67 ft below land-surface datum, Mar. 12, 1999; lowest measured, 44.44 ft below land-surface datum, Feb. 12, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 2	39.95	FEB 20	27.56	JUN 19	28.72	AUG 20	33.12
DEC 12	39.47	MAY 1	25.45				

472121122442012. Local number, 22N/01W-36H02.

LOCATION.--Lat 47°21'21", long 122°44'20", Hydrologic Unit 17110019, near Key Center.

Owner: Washington State, Department of Natural Resources.

AQUIFER.--Vashon Till of Pleistocene Age.

WELL CHARACTERISTICS.--Augered observation well, confined, diameter 1.25 in, depth 33 ft.

DATUM.--Elevation of land-surface datum is 183 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 1.25 in diameter screen from 30 to 33 ft, water level measured in 1.25 in casing.

PERIOD OF RECORD.--August 1992 to October 1993, October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 21.60 ft below land-surface datum, Apr. 10, 1998; lowest measured, dry on numerous occasions.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 2	dry	FEB 20	25.38	JUN 19	26.78	AUG 20	30.94
DEC 12	31.70	MAY 1	23.38				

SPOKANE COUNTY

47401117072901. Local number, 25N/45E-16C01.

LOCATION.--Lat 47°40'11", long 117°07'29", Hydrologic Unit 17010305, near Greenacres.

Owner: Inland Empire paper Company.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Dug unused irrigation well, water table, diameter 96 in, depth 129 ft.

DATUM.--Elevation of land-surface datum is 2055.89 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 96 in diameter open end casing at 129 ft, water level measured in 96 in casing.

PERIOD OF RECORD.--November 1921, April 1929 to August 1955, April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 82.63 ft below land-surface datum, May 30, 1997; lowest measured, 114.53 ft below land-surface datum, Dec. 8, 1931.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 31	103.23	JAN 31	100.06	APR 30	94.80	JUL 31	100.7
NOV 30	103.11	FEB 28	101.36	MAY 31	94.07	AUG 30	102.82
DEC 31	102.44	MAR 29	100.31	JUN 30	97.48	SEP 30	101.98

THURSTON COUNTY

465033122570201. Local number, 16N/02W-29L02P1.

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", Hydrologic Unit 17100103, near Sunnydale.

Owner: Washington State, Department of Ecology.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 108 ft.

DATUM.--Elevation of land-surface datum is 217.65 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 6 in perforated casing from 103 to 108 ft, water level measured in 2 in diameter piezometer.

PERIOD OF RECORD.--August 1988, November 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 12.22 ft below land-surface datum, Mar. 9, 1999; lowest measured, 41.11 ft below land-surface datum, Nov. 6, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 1	40.83	DEC 6	22.45	FEB 20	16.35	MAY 30	21.40
NOV 6	41.11	JAN 4	17.22	APR 2	16.98	JUL 24	26.88
NOV 15	40.60	JAN 24	17.10				

GROUND-WATER LEVELS

551

465033122570202. Local number, 16N/02W-29L02P2.

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", Hydrologic Unit 17100103, near Sunnydale.

Owner: Washington State, Department of Ecology.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 82 ft.

DATUM.--Elevation of land-surface datum is 217.65 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; 6 in diameter perforated casing from 74 to 82 ft, water level measured in 2 in diameter piezometer. A pressure transducer and data logger were installed on Nov. 6, 2001. Water levels were recorded at 1-hr intervals. The water levels below (starting with Nov. 10, 2001) are average daily values for the dates given.

PERIOD OF RECORD.--August 1988, November 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 12.25 ft below land-surface datum, Mar. 9, 1999; lowest measured, 41.60 ft below land-surface datum, Nov. 13, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 1	41.00	JAN 20	16.97	APR 15	18.19	JUL 10	25.28
NOV 5	41.19	JAN 25	16.49	APR 20	18.24	JUL 15	25.87
NOV 6	41.25	JAN 30	14.97	APR 25	18.51	JUL 20	26.46
NOV 10	41.43	FEB 5	15.20	APR 30	18.86	JUL 25	27.09
NOV 15	40.62	FEB 10	15.55	MAY 5	19.30	JUL 30	27.74
NOV 20	35.57	FEB 15	15.85	MAY 10	19.74	AUG 5	28.51
NOV 25	30.19	FEB 20	16.36	MAY 15	20.17	AUG 10	29.13
NOV 30	27.02	FEB 25	16.45	MAY 20	20.58	AUG 15	29.73
DEC 5	23.19	FEB 28	16.45	MAY 25	21.04	AUG 20	30.33
DEC 10	21.32	MAR 5	16.79	MAY 30	21.47	AUG 25	30.93
DEC 15	19.84	MAR 10	17.30	JUN 5	21.98	AUG 30	31.51
DEC 20	16.18	MAR 15	17.13	JUN 10	22.39	SEP 5	32.20
DEC 25	16.47	MAR 20	16.75	JUN 15	22.84	SEP 10	32.71
DEC 30	16.83	MAR 25	16.33	JUN 20	23.28	SEP 15	33.22
JAN 5	17.39	MAR 30	16.69	JUN 25	23.75	SEP 20	33.74
JAN 10	16.66	APR 5	17.34	JUN 30	24.25	SEP 25	34.25
JAN 15	16.64	APR 10	17.92	JUL 5	24.76	SEP 30	34.71

465033122570203. Local number, 16N/02W-29L02P3.

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", Hydrologic Unit 17100103, near Sunnydale.

Owner: Washington State, Department of Ecology.

AQUIFER.--Unidentified sand and gravel unit of Pleistocene Age.

WELL CHARACTERISTICS.--Drilled observation well, confined, diameter 6 in, depth 48 ft.

DATUM.--Elevation of land-surface datum is 217.65 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; perforated 6 in diameter casing from 41 to 48 ft, water level measured in 6 in casing. A pressure transducer and data logger were installed on Apr. 6, 2001 and removed on Nov. 6, 2001. Water levels were recorded at 1-hr intervals. The water levels below (from Oct. 5 through Oct. 20, 2001) are average daily values for the dates given.

PERIOD OF RECORD.--August 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 10.92 ft below land-surface datum, Mar. 4, 1992; lowest measured, 41.20 ft below land-surface datum, Nov. 6, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 5	39.20	NOV 1	40.99	DEC 6	23.11	APR 2	16.64
OCT 10	39.54	NOV 4	41.10	JAN 4	16.85	MAY 30	21.42
OCT 15	39.81	NOV 6	41.20	JAN 24	16.88	JUL 24	26.98
OCT 20	40.10	NOV 15	40.56	FEB 20	15.90		

GROUND-WATER LEVELS

WHITMAN COUNTY

470045117211701. Local number, 18N/43E-35L01.

LOCATION.--Lat 47°00'45", long 117°21'17", Hydrologic Unit 17060108, near Steptoe.

Owner: Johnathan Scholz.

AQUIFER.--Wanapum Basalt of the Yakima Basalt Subgroup of the Columbia River Basalt of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused domestic well, water table, diameter 6 in, depth 132 ft.

DATUM.--Elevation of land-surface datum is 2,331 ft above NGVD of 1929.

REMARKS.--Monitored depth interval; uncertain, probably 6 in diameter open end casing at 132 ft, water level measured in 6 in casing.

PERIOD OF RECORD.--1940-73, 1977, October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 5.10 ft below land-surface datum, Mar. 20, 1949; lowest measured, 19.16 ft below land-surface datum, June 25, 1959.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
NOV 2	12.52	FEB 13	7.65	MAY 20	7.88	JUL 22	10.46
DEC 1	9.63	APR 2	5.82	JUN 17	9.53	SEP 4	10.99