

GROUND-WATER LEVELS

COLUMBIA COUNTY

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

LOCATION.--Lat 46°19'34", long 118°08'14", NAD of 1927, Hydrologic Unit 17070102, near Dayton.

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,

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level
JAN 29, 2004	37.92	MAY 18	37.32
MAR 24	37.55	JUL 12	37.25

LINCOLN COUNTY

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
OCT 5, 2003	38.86	FEB 5	39.18	JUN 5	37.36
OCT 10	38.98	FEB 10	39.47	JUN 10	37.42
OCT 15	39.04	FEB 15	39.48	JUN 15	37.75
OCT 20	39.17	FEB 20	37.34	JUN 20	37.77
OCT 25	39.54	FEB 25	36.48	JUN 25	37.85
OCT 30	39.32	FEB 29	36.15	JUN 30	37.90
NOV 5	39.52	MAR 5	36.03	JUL 5	38.11
NOV 10	39.36	MAR 10	36.34	JUL 10	38.11
NOV 15	39.42	MAR 15	36.42	JUL 15	38.21
NOV 20	39.53	MAR 20	36.70	JUL 20	38.36
NOV 25	39.40	MAR 25	36.39	JUL 25	38.43
NOV 30	39.77	MAR 30	36.43	JUL 30	38.47
DEC 5	39.55	APR 5	36.52	AUG 5	38.63
DEC 10	39.61	APR 10	36.80	AUG 10	38.83
DEC 15	39.82	APR 15	36.57	AUG 15	38.85
DEC 20	39.73	APR 20	36.60	AUG 20	38.95
DEC 25	39.62	APR 25	36.95	AUG 25	38.90
DEC 30	39.79	APR 30	36.95	AUG 30	39.15
JAN 5, 2004	40.30	MAY 5	36.86	SEP 5	39.32
JAN 10	40.13	MAY 10	36.93	SEP 10	39.36
JAN 15	40.10	MAY 15	37.10	SEP 15	--
JAN 20	40.33	MAY 20	37.17	SEP 20	39.63
JAN 25	40.05	MAY 25	37.22	SEP 25	39.62
JAN 30	39.52	MAY 30	37.31	SEP 30	39.66

GROUND-WATER LEVELS

LINCOLN COUNTY--Continued

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	39.31	FEB 19, 2004	37.64	JUL 13	38.14
DEC 03	39.78	MAY 6	36.99	SEP 20	39.60

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	39.56	FEB 19, 2004	37.66	JUL 13	38.11
DEC 3	39.79	MAY 6	36.99	SEP 20	39.59

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	39.64	FEB 19, 2004	38.22	JUL 13	38.28
DEC 3	39.84	MAY 6	37.19	SEP 20	39.65

GROUND-WATER LEVELS

LINCOLN COUNTY--Continued

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	39.50	FEB 19, 2004	41.96	JUL 13	40.62
DEC 3	41.63	MAY 6	40.69	SEP 20	41.74

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	41.11	FEB 19, 2004	40.62	JUL 13	41.42
DEC 3	40.91	MAY 6	40.81	SEP 20	41.98

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	201.59	FEB 19, 2004	196.50	JUL 13	198.86
DEC 3	199.76	MAY 6	195.32	SEP 20	204.25

GROUND-WATER LEVELS

LINCOLN COUNTY--Continued

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

LOCATION.--Lat 47°34'41", long 118°16'27", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 6, 2003	201.58	FEB 19, 2004	196.48	JUL 13	198.90
DEC 3	199.75	MAY 6	195.30	SEP 20	204.26

PIERCE COUNTY

470135122202501. Local number, 18N/04E-19Q02 UR-21.

LOCATION.--Lat 47°01'30.35", long 122°20'48.44", Hydrologic Unit 17110015, near Graham.

Owner: U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 42 ft, cased to 42 ft.

DATUM.--Elevation of land surface datum is 470 ft above NGVD of 1929.

REMARKS.--Monitored depth interval from 37 to 42 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	33.68

470208122223501. Local Number, 18N/03E-24D03 UR-37.

LOCATION.--Lat 47°02'06.07", long 122°22'39.08", Hydrologic Unit 17110015, near Spanaway.

Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS--Drilled observation well, unconfined, diameter 2 in, depth 22 ft, cased to 22 ft.

DATUM.--Elevation of land surface datum is 470 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 17 to 22 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	14.67

GROUND-WATER LEVELS

PIERCE COUNTY--Continued

470240122214501. Local Number, 18N/03E-13K01 UR-24.

LOCATION.--Lat 47°02'37.25", long 122°21'44.61", Hydrologic Unit 17110019, near Graham. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 47 ft, cased to 47 ft.

DATUM.--Elevation of land surface datum is 490 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 37 to 42 ft.

PERIOD OF RECORD.--May 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	32.56

470328122215501. Local Number, 18N/03E-12K01 UR-23.

LOCATION.--Lat 47°03'21.79", long 122°22'05.92", Hydrologic Unit 17110019, near Graham. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 47 ft, cased to 47 ft.

DATUM.--Elevation of land surface datum is 450 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 39 to 44 ft.

PERIOD OF RECORD.--July 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	44.15

470330122181501. Local Number, 18N/04E-09K03 UR-31.

LOCATION.--Lat 47°03'29.65", long 122°18'18.71", Hydrologic Unit 17110019, near Graham. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 76 ft, cased to 76 ft.

DATUM.--Elevation of land surface datum is 550 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 71 to 76 ft.

PERIOD OF RECORD.--August 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	dry

470603122305101. Local Number, 19N/02E-26P01 LC-149C.

LOCATION.--Lat 47°06'03", long 122°30'51", Hydrologic Unit 17110019, at Ft. Lewis.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.-- Drilled observation well, unconfined, diameter 4 in, depth 48 ft, cased to 48 ft.

DATUM.--Elevation of land surface datum is 306.12 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 38 to 48 ft.

PERIOD OF RECORD.--November 1992, February 1998 to August 2001, current year.

EXTREMES FOR PERIOD OF RECORD.--Highest static water level measured, 32.34 ft below land-surface datum, Mar. 26, 1998; lowest measured, 37 ft below land-surface datum, Nov. 6, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 11, 2004	34.55

GROUND-WATER LEVELS

PIERCE COUNTY--Continued

470644122160801. Local Number, 19N/04E-23N01 UR-30.

LOCATION.--Lat 47°06'44.04", long 122°16'11.00", Hydrologic Unit 17110019, near Puyallup. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 27 ft, cased to 27 ft.

DATUM.--Elevation of land surface datum is 570 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 17 to 27 ft.

PERIOD OF RECORD.--July 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 25, 2004	4.02

470705122230501. Local Number, 19N/03E-23G03 UR-26.

LOCATION.--Lat 47°07'25.32", long 122°23'34.86", Hydrologic Unit 17110019, near Spanaway. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 37 ft, cased to 37 ft.

DATUM.--Elevation of land surface datum is 340 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 27 to 32 ft.

PERIOD OF RECORD.--August 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 29, 2004	17.35

470710122193002. Local Number, 19N/04E-20F05 UR-27.

LOCATION.--Lat 47°07'25.13", long 122°19'41.38", Hydrologic Unit 17110019, near Spanaway. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 137 ft, cased to 137 ft.

DATUM.--Elevation of land surface datum is 400 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 132 to 137 ft.

PERIOD OF RECORD.--June 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 25, 2004	132.83

470732122252801. Local Number, 19N/03E-21C01 UR-32.

LOCATION.--Lat 47°07'32.36", long 122°25'33.74", Hydrologic Unit 17110019, near Parkland. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 41.4 ft, cased to 41.4 ft.

DATUM.--Elevation of land surface datum is 350 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 36.4 to 41.4 ft.

PERIOD OF RECORD.-- September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 27, 2004	31.12

GROUND-WATER LEVELS

PIERCE COUNTY--Continued

470958122154301. Local Number, 19N/04E-02F02 UR-34.

LOCATION.--Lat 47°10'00.27", long 122°15'38.99", Hydrologic Unit 17110014, near Puyallup. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS-- Drilled observation well, unconfined, diameter 2 in, depth 33 ft, cased to 33 ft.

DATUM.--Elevation of land surface datum is 400 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 28 to 33 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 25, 2004	21.52

471018122143302. Local Number, 20N/04E-36P02 UR-35B.

LOCATION.--Lat 47°10'07.27", long 122°14'28.11", Hydrologic Unit 17110014, near Puyallup. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS--Drilled observation well, unconfined, diameter 2 in, depth 52 ft, cased to 52 ft.

DATUM.--Elevation of land surface datum is 400 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 47 to 52 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 25	42.96

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

LOCATION.--Lat 47°10'31.0", long 122°29'31.9", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[S = nearby well pumping; T = nearby well recently pumped]

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 3, 2003	44.42	JAN 7, 2004	36.74	APR 16	36.28	JUL 7	38.79
OCT 16	43.97	JAN 22	36.24	APR 30	36.66	JUL 16	39.61
OCT 30	41.28	FEB 9	35.56	MAY 11	36.97	JUL 30	41.13 T
NOV 20	39.72	FEB 26	35.23	JUN 8	37.30	AUG 13	41.85
DEC 3	38.51	MAR 15	35.61	JUN 22	38.03 S	AUG 25	41.93 T
DEC 17	37.62	APR 1	36.08	JUN 24	38.43 T	SEP 24	40.24

GROUND-WATER LEVELS

PIERCE COUNTY--Continued

471133122335501. Local Number, 20N/02E-28L01 UR-36.

LOCATION.--Lat 47°11'27.69", long 122°34'08.51", Hydrologic Unit 17110019, near Steilacoom. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 97 ft, cased to 97 ft.

DATUM.--Elevation of land surface datum is 230 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 92 to 97 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 29, 2004	89.95

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

LOCATION.--Lat 47°11'45.4", long 122°30'55.4", NAD of 1927, 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, 54.43 ft below land-surface datum, August 19, 2003.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[T = nearby well recently pumped]

Date	Water Level	Date	Water Level	Date	Water Level
OCT 25, 2003	29.60	MAY 9	24.04	JUL 26	57.07T
JAN 27, 2004	21.18	JUL 1	48.23T	SEP 8	47.09T

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

LOCATION.--Lat 47°11'47.6", long 122°30'55.2", NAD of 1927, 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, 56.65 ft below land-surface datum, September 18, 2003.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

[R = well recently pumped]

Date	Water Level	Date	Water Level	Date	Water Level
OCT 25, 2003	38.31	MAY 9	32.61	JUL 26	72.28R
JAN 27, 2004	29.69	JUL 1	59.35R	SEP 8	41.48R

GROUND-WATER LEVELS

PIERCE COUNTY--Continued

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

LOCATION.--Lat 47°21'21", long 122°44'20", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 21, 2003	40.40	MAY 13	28.78	SEP 30	38.88
FEB 5, 2004	29.52	JUL 20	33.65		

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

LOCATION.--Lat 47°21'21", long 122°44'20", NAD of 1927, 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
NOV 21, 2003	dry	MAY 13	26.73	SEP 30	dry
FEB 5, 2004	27.04	JUL 20	31.26		

SPOKANE COUNTY

474011117072901. Local number, 25N/45E-16C01.

LOCATION.--Lat 47°40'11", long 117°07'29", NAD of 1927, Hydrologic Unit 17010305, near Greenacres.

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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 31, 2003	102.58	FEB 10	103.86	MAY 3	99.97	JUL 28	103.66
DEC 1	102.48	MAR 15	102.69	MAY 27	100.17	AUG 26	104.79
JAN 6, 2004	103.40	APR 6	100.89	JUN 30	101.76	SEP 15	104.47

GROUND-WATER LEVELS

THURSTON COUNTY

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

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", NAD of 1927, 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.--July 1987 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
OCT 21, 2003	36.60	MAY 7, 2004	22.74	JUL 1	27.94
DEC 16	23.24	MAY 11	23.01		

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

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", NAD of 1927, 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 are average daily values for the dates given.

PERIOD OF RECORD.--July 1987 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 5, 2003	35.67	JAN 5, 2004	22.11	APR 5	20.81	JUL 5	28.55
OCT 10	36.10	JAN 10	21.78	APR 10	21.10	JUL 10	29.12
OCT 15	36.50	JAN 15	20.85	APR 15	21.38	JUL 15	29.71
OCT 20	36.83	JAN 20	20.74	APR 20	21.67	JUL 20	30.32
OCT 25	36.63	JAN 25	20.74	APR 25	22.00	JUL 25	30.95
OCT 30	36.63	JAN 30	20.18	APR 30	22.34	JUL 30	31.52
NOV 5	36.68	FEB 5	18.66	MAY 5	22.70	AUG 5	32.18
NOV 10	36.72	FEB 10	18.45	MAY 10	23.06	AUG 10	32.71
NOV 15	36.75	FEB 15	18.46	MAY 15	23.45	AUG 15	33.24
NOV 20	36.27	FEB 20	18.49	MAY 20	23.85	AUG 20	33.78
NOV 25	31.81	FEB 25	18.44	MAY 25	24.25	AUG 25	34.18
NOV 30	28.54	FEB 29	18.76	MAY 30	24.67	AUG 30	34.54
DEC 5	26.07	MAR 5	19.10	JUN 5	25.21	SEP 5	35.04
DEC 10	24.83	MAR 10	19.43	JUN 10	25.69	SEP 10	35.44
DEC 15	23.78	MAR 15	19.70	JUN 15	26.22	SEP 15	35.79
DEC 20	22.60	MAR 20	20.01	JUN 20	26.74	SEP 20	36.11
DEC 25	22.31	MAR 25	20.28	JUN 25	27.34	SEP 25	36.41
DEC 30	22.17	MAR 30	20.55	JUN 30	27.92	SEP 30	36.73

GROUND-WATER LEVELS

THURSTON COUNTY--Continued

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

LOCATION.--Lat 46°50'33.6", long 122°57'31.8", NAD of 1927, 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.

PERIOD OF RECORD.--July 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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level
OCT 21, 2003	36.69	MAY 7, 2004	22.86	JUL 1	28.00
DEC 16	23.75	MAY 11	23.17		

465958122481001. Local Number 18N/01W-33R01 UR-05.

LOCATION.--Lat 46°59'56.91", long 122°48'11.24", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 48 ft, cased to 48 ft.

DATUM.--Elevation of land surface datum is 205 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 43 to 48 ft.

PERIOD OF RECORD.--May 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	33.94

470005122502301. Local Number, 18N/01W-32M01 UR-11.

LOCATION.--Lat 47°00'04.57", long 122°50'27.37", Hydrologic Unit 17110016, near Olympia. Owner: U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS-- Drilled observation well, unconfined, diameter 2 in, depth 57 ft, cased to 57 ft.

DATUM.-Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 52 to 57 ft.

PERIOD OF RECORD.-June 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 27, 2004	39.32

470035122444601. Local Number, 18N/01W-36B01 UR-12.

LOCATION.--Lat 47°00'34.90", long 122°44'49.81", Hydrologic Unit 17110019, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 51 ft, cased to 51 ft.

DATUM.--Elevation of land surface datum is 200 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 46 to 51 ft.

PERIOD OF RECORD.--June 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	39.80

GROUND-WATER LEVELS

THURSTON COUNTY--Continued

470040122463601. Local Number 18N/01W-26N04 UR-01.

LOCATION.--Lat 47°00'39.81", long 122°46'40.45", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 24 ft, cased to 24 ft.

DATUM.--Elevation of land surface datum is 185 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 19 to 24 ft.

PERIOD OF RECORD.--April 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	8.83

470045122463801. Local Number 18N/01W-33C02 UR-02.

LOCATION.--Lat 47°00'36.12", long 122°48'49.20", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 48 ft, cased to 48 ft.

DATUM.--Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 43 to 48 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	43.07

470046122522301. Local Number, 18N/02W-25Q01 UR-08

LOCATION.--Lat 47°00'45.36", long 122°52'27.39", Hydrologic Unit 17110016, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 58 ft, cased to 58 ft.

DATUM.--Elevation of land surface datum is 140 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 53 to 58 ft.

PERIOD OF RECORD.--May 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 29, 2004	32.06

470110122484201. Local Number 18N/01W-28G03 UR-04A.

LOCATION.--Lat 47°01'12.36", long 122°48'44.56", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 67 ft, cased to 67 ft.

DATUM.--Elevation of land surface datum is 220 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 62 to 67 ft.

PERIOD OF RECORD.--July 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 27, 2004	62.18

GROUND-WATER LEVELS

THURSTON COUNTY--Continued

470112122493501. Local Number, 18N/01W-29H02 UR-07.

LOCATION.--Lat 47°01'09.78", long 122°49'35.92", Hydrologic Unit 17110016, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 29 ft, cased to 29 ft.

DATUM.--Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 24 to 29 ft.

PERIOD OF RECORD.--May 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 27, 2004	13.26

470135122514001. Local Number, 18N/01W-19N02 UR-06.

LOCATION.--Lat 47°01'34.21", long 122°51'37.89", Hydrologic Unit 17110019, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 39 ft, cased to 39 ft.

DATUM.--Elevation of land surface datum is 170 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 34 to 39 ft.

PERIOD OF RECORD.--May 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 29, 2004	24.11

470228122441701. Local Number, 18N/01W-13R01 UR-10.

LOCATION.--Lat 47°02'28.24", long 122°44'21.41", Hydrologic Unit 17110019, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 27 ft, cased to 27 ft.

DATUM.--Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 22 to 27 ft.

PERIOD OF RECORD.--May 1996, February 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	13.13

470306122450301. Local Number, 18N/01W-13C03 UR-14.

LOCATION.--Lat 47°03'05.32", long 122°45'08.17", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 25 ft, cased to 25 ft.

DATUM.--Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 20 to 25 ft.

PERIOD OF RECORD.--September 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	14.51

GROUND-WATER LEVELS

THURSTON COUNTY--Continued

470330122462501. Local Number, 18N/01W-11L02 UR-15.

LOCATION.--Lat 47°03'28.82", long 122°46'27.55", Hydrologic Unit 17110019, near Lacey. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 46 ft, cased to 46 ft.

DATUM.--Elevation of land surface datum is 210 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 36 to 46 ft.

PERIOD OF RECORD.--May 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 26, 2004	dry

470343122504501. Local Number, 18N/01W-07H05 UR-09.

LOCATION.--Lat 47°03'42.70", long 122°50'57.86", Hydrologic Unit 17110019, near Olympia. Owner U.S. Geological Survey.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 48 ft, cased to 48 ft.

DATUM.--Elevation of land surface datum is 160 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 43 to 48 ft.

PERIOD OF RECORD.--May 1996, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 29, 2004	21.20

WHATCOM COUNTY

485303122190901. Local Number, 39N/04E-08G01 AG03.

LOCATION.--Lat 48°53'01.71", long 122°19'13.59", Hydrologic Unit 17110001, near Lynden.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 29 ft, cased to 29 ft.

DATUM.--Elevation of land surface datum is 115 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 24 to 29 ft.

PERIOD OF RECORD.--November 1997, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 2, 2004	6.74

485607122321401. Local Number, 40N/02E-27B01 AG-02.

LOCATION.--Lat 48°56'02.24", 122°32'18.33", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 18 in, depth 41 ft, cased to 41 ft.

DATUM.--Elevation of land surface datum is 65 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 35 to 41 ft.

PERIOD OF RECORD.-- May 1987, August 1990, to October 1991, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	25.28

GROUND-WATER LEVELS

WHATCOM COUNTY--Continued

485700122313401. Local Number, 40N/02E-23D02 AG-01.

LOCATION.--Lat 48°56'59.00", long 122°31'39.34", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 6 in, depth 48 ft, cased to 48 ft.

DATUM.--Elevation of land surface datum is 90 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 43 to 48 ft.

PERIOD OF RECORD.--May 1989, August 1990, to September 2002, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	20.08

485749122250301. Local Number, 40N/03E-16A01 AG-15.

LOCATION.--Lat 48°57'48.08", long 122°25'08.25", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 8 in, depth 32 ft, cased to 32 ft.

DATUM.--Elevation of land surface datum is 120 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 27 to 32 ft.

PERIOD OF RECORD.--July 1994, April 1998, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	12.64

485751122241601. Local Number, 40N/03E-10Q01 AG-04.

LOCATION.--Lat 48°57'50.88", long 122°24'21.39", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 30 ft, cased to 30 ft.

DATUM.--Elevation of land surface datum is 126 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 25 to 30 ft.

PERIOD OF RECORD.--November 1997, September 2001, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	25.19

485755122253901. Local Number, 40N/03E-09Q03 AG-05.

LOCATION.--Lat 48°57'54.40", long 122°25'42.60", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 28 ft, cased to 28 ft.

DATUM.--Elevation of land surface datum is 113 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 24 to 29 ft.

PERIOD OF RECORD.--October and November 1997, September 2001, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	7.54

GROUND-WATER LEVELS

WHATCOM COUNTY--Continued

485817122244701. Local Number, 40N/03E-10L01 AG-13.

LOCATION.--Lat 48°58'17.63", long 122°24'40.00", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 6 in, depth 40 ft, cased to 40 ft.

DATUM.--Elevation of land surface datum is 128 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 35 to 40 ft.

PERIOD OF RECORD.--February 1998, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 3, 2004	15.12

485917122241901. Local Number, 40N/03E-03G02 AG-06.

LOCATION.--Lat 48°59'16.23", long 122°24'24.30", Hydrologic Unit 17110004, near Lynden.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 28 ft, cased to 28 ft.

DATUM.--Elevation of land surface datum is 140 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 18 to 23 ft.

PERIOD OF RECORD.--October and November 1997, September 2001, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 2, 2004	15.63

WHITMAN COUNTY

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

LOCATION.--Lat 47°00'45", long 117°21'17", NAD of 1927, Hydrologic Unit 17060108, near Steptoe.

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 LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
OCT 9, 2003	12.63	JAN 23, 2004	10.10	JUN 1	11.01	SEP 15	14.02
NOV 12	13.50	MAR 1	9.06	AUG 3	13.27	SEP 24	13.62

GROUND-WATER LEVELS

BRITISH COLUMBIA, CANADA

490009122233101. Local Number, 092G.009.1.1.1 ABB5.

LOCATION.--Lat 49°00'08.98", long 122°23'35.80", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 29 ft, cased to 29 ft.

DATUM.--Elevation of land surface datum is 151 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 25.7 to 29 ft.

PERIOD OF RECORD.--June 1990, February 1997, July 1998, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	12.16

490009122242002. Local Number, 092G.008.2.2.2 AG07.

LOCATION.--Lat 49°00'08.73", long 122°24'24.67", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 19 ft, cased to 19 ft.

DATUM.--Elevation of land surface datum is 150 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 11 to 14 ft.

PERIOD OF RECORD.--October and November 1997, September 2001, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 21, 2004	6.17

490009122265001. Local Number, 092G.008.2.1.2 AG09.

LOCATION.--Lat 49°00'08.69", long 122°26'53.37", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS-- Drilled observation well, unconfined, diameter 2 in, depth 24 ft, cased to 24 ft.

DATUM.-Elevation of land surface datum is 147 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 14 to 19 ft.

PERIOD OF RECORD.- November 1997, September 2001, September 2003,current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
MAR 30, 2004	11.28

490010122223101. Local Number, 092G.009.1.1.2 AG08.

LOCATION.--Lat 49°00'08.84", long 122°22'35.66", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 39 ft, cased to 39 ft.

DATUM.--Elevation of land surface datum is 160 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 29 to 34 ft.

PERIOD OF RECORD.--November 1997, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 1, 2004	18.28

GROUND-WATER LEVELS

BRITISH COLUMBIA, CANADA--Continued

49001122193201. Local Number, 092G.009.1.2.1 ABB4.

LOCATION.--Lat 49°00'09.41", long 122°19'37.53", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 96 ft, cased to 96 ft.

DATUM.--Elevation of land surface datum is 213 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 92.7 to 96 ft.

PERIOD OF RECORD.--February 1997, August 2002, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 1, 2004	78.81

490012122240001. Local Number, 092G.009.1.1.1 FT7-22.

LOCATION.--Lat 49°00'09.03", long 122°23'59.74", near Abbotsford.

AQUIFER.--Undifferentiated glacial sediments of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 6 in, depth 22 ft, cased to 22 ft.

DATUM.--Elevation of land surface datum is 150 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 19 to 22 ft.

PERIOD OF RECORD.--Current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	8.96

490020122213201. Local Number, 092G.009.1.1.2 ABB2.

LOCATION.--Lat 49°00'19.71", long 122°21'37.20", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 4 in, depth 25 ft, cased to 25 ft.

DATUM.--Elevation of land surface datum is 167 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 21.7 to 25 ft.

PERIOD OF RECORD.--November 1989 to November 1991, February 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 1, 2004	12.47

490023122253002. Local Number, 092G.009.1.1.1-91-15.

LOCATION.--Lat 49°00'21.13", LONG 122°25'35.50", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 32 ft, cased to 32 ft.

DATUM.--Elevation of land surface datum is 152 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 27 to 32 ft.

PERIOD OF RECORD.--May 1991, February and September 1997, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
SEP 1, 2004	17.34

GROUND-WATER LEVELS

BRITISH COLUMBIA, CANADA--Continued

490031122221501. Local Number, 092G.009.1.1.2-11 BC-C-25.

LOCATION.--Lat 49°00'34.84", long 122°22'16.20", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 25 ft, cased to 25 ft.

DATUM.--Elevation of land surface datum is 167.51 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 15 to 23 ft.

PERIOD OF RECORD.--March 1988, June 1990, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	17.93

490031122225301. Local Number, 092G.009.1.1.1-06 BC-B-20.

LOCATION.--Lat 49°00'34.84", long 122°22'54.96", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 20 ft, cased to 20 ft.

DATUM.--Elevation of land surface datum is 160 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 12 to 20 ft.

PERIOD OF RECORD.--March 1988, June and September 1990, November 1998, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	15.04

490042122241001. Local Number, 092G.008.2.2.2-99 ABB1.

LOCATION.--Lat 49°00'29.86", long 122°24'15.05", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 26 ft, cased to 26 ft.

DATUM.--Elevation of land surface datum is 150 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 22.7 to 26 ft.

PERIOD OF RECORD.--June 1990, September 1997, July 1998, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	9.89
AUG 31	9.94
SEP 20	8.12

GROUND-WATER LEVELS

BRITISH COLUMBIA, CANADA--Continued

490101122221501. Local Number, 092G.009.1.1.4-18 BC-A-25.

LOCATION.--Lat 49°00'56.10", long 122°22'15.79", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 25 ft, cased to 25 ft.

DATUM.--Elevation of land surface datum is 170 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 15 to 25 ft.

PERIOD OF RECORD.--April 1988, June 1990, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	17.56
AUG 31	17.56
SEP 21	16.37

490103122240301. Local Number, 092G.008.2.2.2 AG12.

LOCATION.--Lat 49°01'02.09", long 122°24'06.67", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 37 ft, cased to 37 ft.

DATUM.--Elevation of land surface datum is 165 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 27 to 32 ft.

PERIOD OF RECORD.--October and November 1997, August 2000, September 2001, August 2002, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	18.83

490117122195901. Local Number, 092G.009.1.2.4 AG10.

LOCATION.--Lat 49°01'15.83", long 122°20'03.04", near Abbotsford.

AQUIFER.--Sumas drift of Fraser glaciation.

WELL CHARACTERISTICS.--Drilled observation well, unconfined, diameter 2 in, depth 53 ft, cased to 53 ft.

DATUM.--Elevation of land surface datum is 190 ft above sea level NGVD29.

REMARKS.--Monitored depth interval from 48 to 53 ft.

PERIOD OF RECORD.--November 1997, September 2003, current year.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Water Level
AUG 30, 2004	dry