Water-Data Report 2013

442242121405501 Local number 14S/09E-08ABA

Pacific Northwest volcanic-rock aquifers
Volcanic Rocks

Deschutes County, OR

LOCATION.--Lat 44°22'42.61", long 121°40'55.07" referenced to North American Datum of 1927, in NE ¼ NW ¼ NE ¼ sec.8, T.14 S., R.9 E., Deschutes County, OR, Hydrologic Unit 17070301, 2.8 miles southwest of the peak of Black Butte, Oregon.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 403 ft. Upper casing diameter 6.00 in; top of first opening 335 ft, bottom of last opening 403 ft. Drilled industrial well, sounded depth of 400.66 ft on Oct. 20, 2006.

DATUM.--Land-surface datum is 3,380 ft above National Geodetic Vertical Datum of 1929. Measuring point: Southside top of casing, 1.65 ft above land-surface datum, Nov. 23, 1993, to present.

PERIOD OF RECORD.--May 1985; August 1993 to current year. Records for Apr. 5-26, May 15-30, June 6, 10, 21, 24, July 26 to Aug. 2, Aug. 10-13 published in WRD OR-02-1, are unreliable and should not be used.

GAGE.--Electronic data logger by Oregon Water Resources Department personnel from November 1993 to May 1999 and by USGS personnel from May 1999 to current year. 120-minute recording interval November to December 1993; 15-minute interval December 1993 to February 1994; 120-minute interval February 1994 to August 2002; 10-minute interval August to November 2002; 120-minute interval November 2002 to April 2008; and varible interval April 2008 to current year.

REMARKS.--Unused. State observation well number 1323. State well identification DESC 1804. Water levels prior to October 1998 subject to variation of up to 0.32 foot due to differences in measurement method. Mean monthly water level December 1993 to September 1998 available in 1998 Water Data Report (WDR-OR-98-1). A graph of unit value water levels from November 1993 to December 1996 is shown in USGS (Open File Report) OFR 97-197, pg. 10. Measurement August 1993 published in same publication, pg. 35, Table 1.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 284.20 ft below land-surface datum, Oct. 8, 1997; lowest measurement, 304.17 ft below land-surface datum, Feb. 1, 1995.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 290.30 ft below land-surface datum, Dec. 16; lowest mesurement, 291.71 ft below land-surface datum, Sept. 30.

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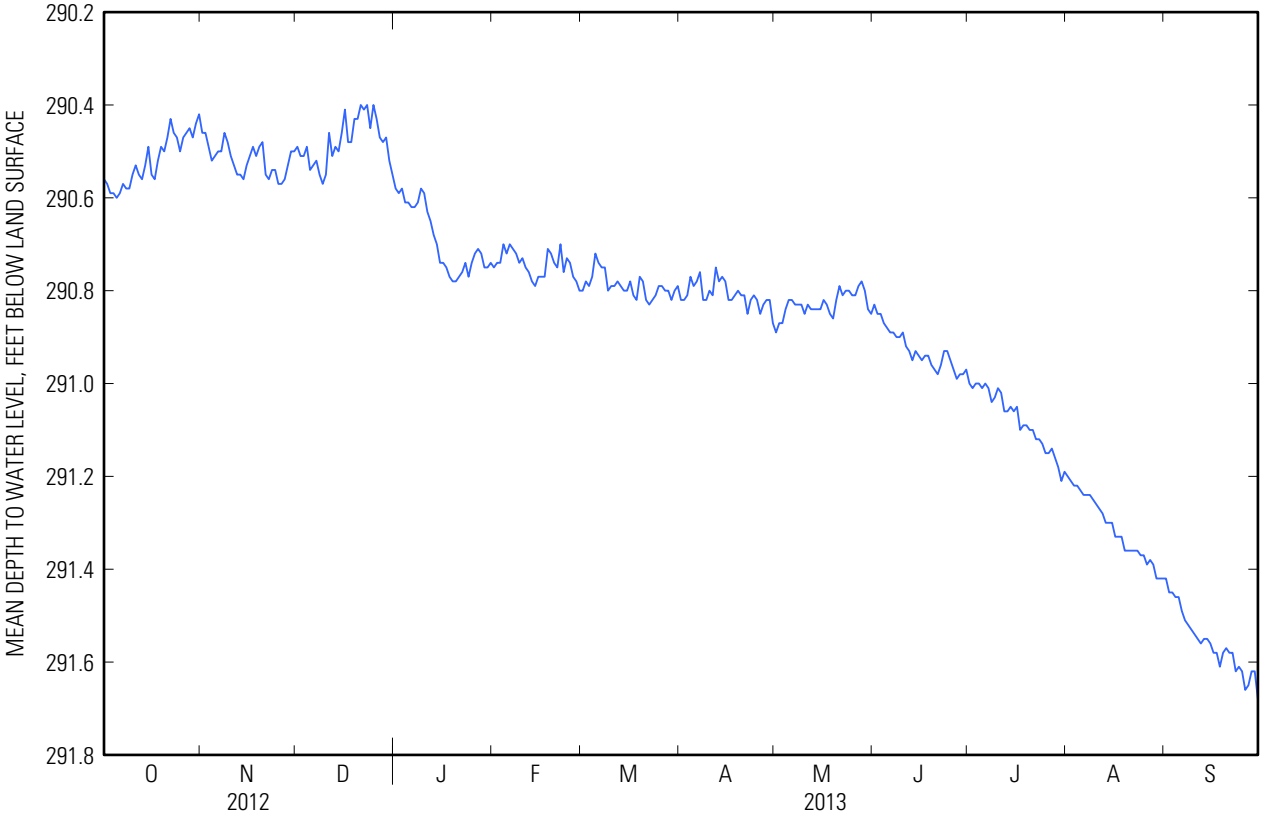
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	290.56	290.46	290.49	290.58	290.75	290.80	290.82	290.89	290.83	291.00	291.20	291.42
2	290.57	290.46	290.51	290.59	290.74	290.78	290.82	290.87	290.85	291.01	291.21	291.45
3	290.59	290.49	290.51	290.58	290.74	290.79	290.81	290.87	290.85	291.00	291.22	291.45
4	290.59	290.52	290.49	290.61	290.70	290.77	290.77	290.84	290.87	291.00	291.22	291.46
5	290.60	290.51	290.54	290.61	290.72	290.72	290.79	290.82	290.88	291.01	291.23	291.46
6	290.59	290.50	290.53	290.62	290.70	290.74	290.78	290.82	290.89	291.00	291.24	291.49
7	290.57	290.50	290.52	290.62	290.71	290.75	290.76	290.83	290.89	291.01	291.24	291.51
8	290.58	290.46	290.55	290.61	290.72	290.75	290.82	290.83	290.90	291.04	291.24	291.52
9	290.58	290.48	290.57	290.58	290.74	290.80	290.82	290.83	290.90	291.03	291.25	291.53
10	290.55	290.51	290.55	290.59	290.73	290.79	290.80	290.85	290.89	291.01	291.26	291.54
11	290.53	290.53	290.46	290.63	290.75	290.79	290.81	290.83	290.92	291.02	291.27	291.55
12	290.55	290.55	290.51	290.65	290.76	290.78	290.75	290.84	290.93	291.06	291.28	291.56
13	290.56	290.55	290.49	290.68	290.78	290.79	290.78	290.84	290.95	291.06	291.30	291.55
14	290.53	290.56	290.50	290.70	290.79	290.80	290.77	290.84	290.93	291.05	291.30	291.55
15	290.49	290.53	290.46	290.74	290.77	290.80	290.78	290.84	290.94	291.06	291.30	291.56
16	290.55	290.51	290.41	290.74	290.77	290.78	290.82	290.82	290.95	291.05	291.33	291.58
17	290.56	290.49	290.48	290.75	290.77	290.81	290.82	290.83	290.94	291.10	291.33	291.58
18	290.52	290.51	290.48	290.77	290.71	290.82	290.81	290.85	290.94	291.09	291.33	291.61
19	290.49	290.49	290.43	290.78	290.72	290.77	290.80	290.86	290.96	291.09	291.36	291.58
20	290.50	290.48	290.43	290.78	290.74	290.78	290.81	290.82	290.97	291.10	291.36	291.57
21	290.47	290.55	290.40	290.77	290.75	290.82	290.81	290.79	290.98	291.10	291.36	291.58
22	290.43	290.56	290.41	290.76	290.70	290.83	290.85	290.81	290.96	291.12	291.36	291.58
23	290.46	290.54	290.40	290.74	290.76	290.82	290.82	290.80	290.93	291.12	291.36	291.62
24	290.47	290.54	290.45	290.77	290.73	290.81	290.81	290.80	290.93	291.13	291.37	291.61
25	290.50	290.57	290.40	290.74	290.74	290.79	290.82	290.81	290.95	291.15	291.37	291.62
26	290.47	290.57	290.43	290.72	290.77	290.79	290.85	290.81	290.97	291.15	291.39	291.66
27	290.46	290.56	290.47	290.71	290.78	290.80	290.83	290.79	290.99	291.14	291.38	291.65
28	290.45	290.53	290.48	290.72	290.80	290.80	290.82	290.78	290.98	291.16	291.39	291.62
29	290.47	290.50	290.47	290.75	---	290.82	290.82	290.80	290.98	291.18	291.42	291.62
30	290.44	290.50	290.52	290.75	---	290.80	290.87	290.84	290.97	291.21	291.42	291.68
31	290.42	---	290.55	290.74	---	290.79	---	290.85	---	291.19	291.42	---
Mean	290.52	290.52	290.48	290.69	290.74	290.79	290.81	290.83	290.93	291.08	291.31	291.56
Max	290.60	290.57	290.57	290.78	290.80	290.83	290.87	290.89	290.99	291.21	291.42	291.68
Min	290.42	290.46	290.40	290.58	290.70	290.72	290.75	290.78	290.83	291.00	291.20	291.42

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