Water-Data Report 2008

420321070433502 Local number Duxbury well D4W 79

Sand and gravel aquifers (glaciated regions)
Outwash Deposits

Plymouth County, MA

LOCATION.--Lat 42°03′21″, long 70°43′35″ referenced to North American Datum of 1927, Plymouth County, MA, Hydrologic Unit 01090002, 30 ft west of State Highway 3 and about 300 ft north of State Highway 14 in Duxbury.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 23.5 ft. Upper casing diameter 2.00 in; top of first opening 21.5 ft, bottom of last opening 23.5 ft.

DATUM.--Land-surface datum is 55 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of floor in base of shelter, 3.18 ft above land-surface datum, Aug. 1, 2001, to present.

PERIOD OF RECORD.--December 1964 to current year.

GAGE.--Digital recorder with satellite telemeter since August 2001. Monthly measurements prior to August 2001.

COOPERATION.--Massachusetts Department of Environmental Protection, Office of Watershed Management; Massachusetts Department of Conservation and Recreation, Water Resources Commission.

REMARKS.--Missing periods are not estimated.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.88 ft below land-surface datum, May 16, 17, 2006 (recorded value); lowest, 10.68 ft below land-surface datum, Sept. 28, 1965 (monthly measurement).

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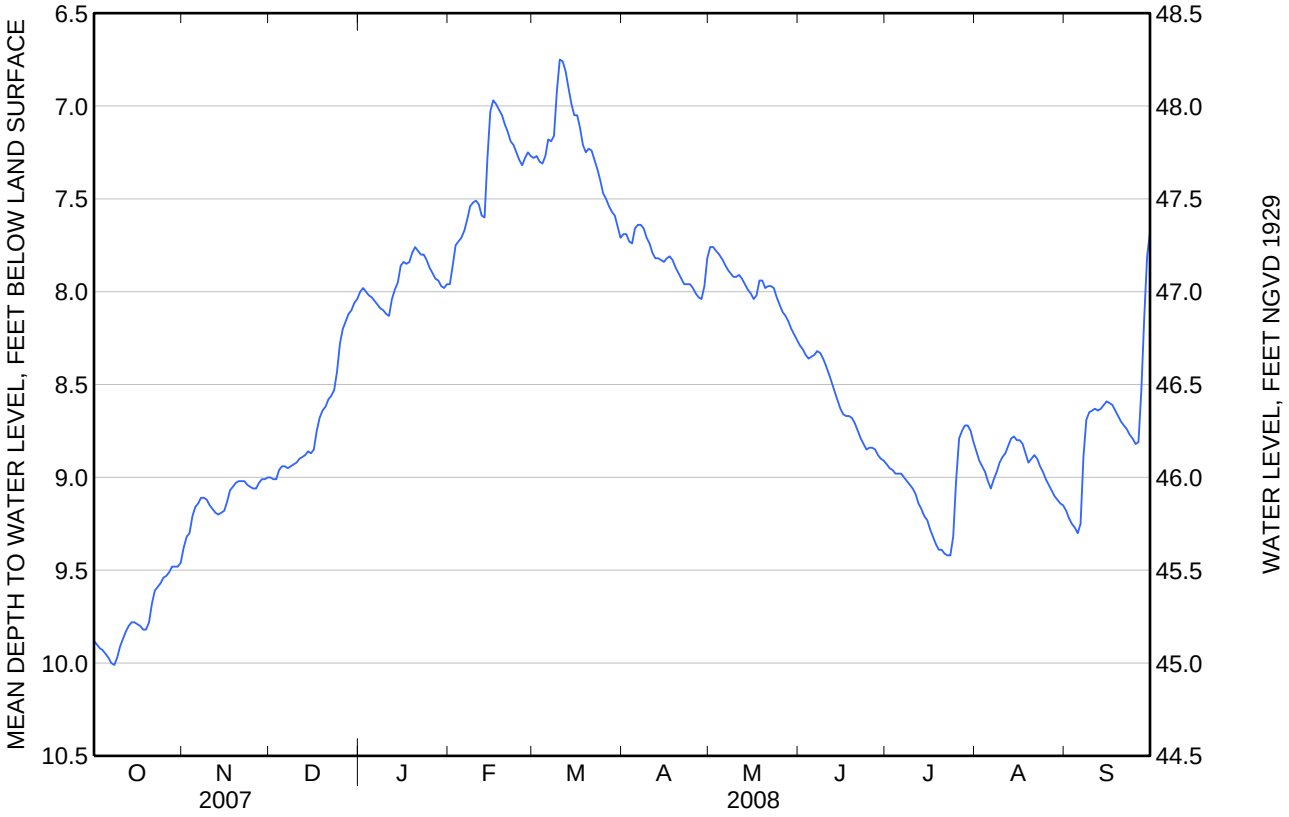
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.88	9.38	9.00	8.00	7.96	7.28	7.69	7.76	8.29	8.93	8.86	9.18
2	9.90	9.32	9.01	7.98	7.86	7.27	7.69	7.76	8.31	8.95	8.91	9.22
3	9.92	9.30	9.01	8.00	7.75	7.30	7.73	7.78	8.34	8.96	8.94	9.25
4	9.93	9.21	8.96	8.02	7.73	7.31	7.74	7.80	8.36	8.98	8.97	9.27
5	9.95	9.16	8.94	8.03	7.71	7.27	7.66	7.82	8.35	8.98	9.02	9.30
6	9.97	9.14	8.94	8.05	7.67	7.18	7.64	7.85	8.34	8.98	9.06	9.25
7	10.00	9.11	8.95	8.07	7.61	7.19	7.64	7.88	8.32	9.00	9.01	8.89
8	10.01	9.11	8.94	8.09	7.54	7.16	7.66	7.90	8.33	9.02	8.97	8.69
9	9.97	9.12	8.93	8.10	7.52	6.92	7.71	7.92	8.36	9.04	8.92	8.65
10	9.91	9.15	8.92	8.12	7.51	6.75	7.74	7.92	8.40	9.06	8.89	8.64
11	9.87	9.17	8.90	8.13	7.53	6.76	7.79	7.91	8.44	9.09	8.87	8.63
12	9.83	9.19	8.89	8.04	7.59	6.81	7.82	7.93	8.49	9.14	8.83	8.64
13	9.80	9.20	8.88	7.99	7.60	6.90	7.82	7.96	8.54	9.17	8.79	8.63
14	9.78	9.19	8.86	7.95	7.28	6.99	7.83	7.99	8.58	9.21	8.78	8.61
15	9.78	9.18	8.87	7.86	7.03	7.05	7.84	8.01	8.63	9.23	8.80	8.59
16	9.79	9.13	8.85	7.84	6.97	7.05	7.82	8.04	8.66	9.28	8.80	8.60
17	9.80	9.07	8.75	7.85	6.99	7.12	7.81	8.02	8.67	9.32	8.82	8.61
18	9.82	9.05	8.68	7.84	7.02	7.21	7.83	7.94	8.67	9.36	8.87	8.64
19	9.82	9.03	8.64	7.79	7.05	7.25	7.87	7.94	8.68	9.39	8.92	8.67
20	9.78	9.02	8.62	7.76	7.10	7.23	7.90	7.98	8.71	9.39	8.90	8.70
21	9.68	9.02	8.58	7.78	7.14	7.24	7.93	7.97	8.75	9.41	8.88	8.72
22	9.61	9.02	8.56	7.80	7.19	7.29	7.96	7.97	8.79	9.42	8.90	8.74
23	9.59	9.04	8.53	7.80	7.21	7.34	7.96	7.98	8.82	9.42	8.94	8.77
24	9.57	9.05	8.43	7.83	7.25	7.40	7.96	8.03	8.85	9.32	8.97	8.79
25	9.54	9.06	8.28	7.87	7.29	7.47	7.98	8.07	8.84	9.02	9.01	8.82
26	9.53	9.06	8.20	7.90	7.32	7.50	8.01	8.11	8.84	8.79	9.04	8.81
27	9.51	9.03	8.16	7.93	7.28	7.54	8.03	8.13	8.85	8.75	9.07	8.53
28	9.48	9.01	8.12	7.94	7.25	7.57	8.04	8.16	8.88	8.72	9.10	8.14
29	9.48	9.01	8.10	7.97	7.27	7.59	7.97	8.20	8.90	8.72	9.12	7.81
30	9.48	9.00	8.06	7.98	---	7.65	7.82	8.23	8.91	8.75	9.14	7.68
31	9.46	---	8.04	7.96	---	7.71	---	8.26	---	8.81	9.15	---
Mean	9.76	9.12	8.66	7.94	7.39	7.24	7.83	7.97	8.60	9.08	8.94	8.72
Max	10.01	9.38	9.01	8.13	7.96	7.71	8.04	8.26	8.91	9.42	9.15	9.30
Min	9.46	9.00	8.04	7.76	6.97	6.75	7.64	7.76	8.29	8.72	8.78	7.68

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