Water-Data Report 2013

425840077133901 Local number Ot-900, near Manchester NY

New York clastic-rock aquifers
Camillus Shale

Ontario County, NY

LOCATION.--Lat 42°58′40″, long 77°13′39″ referenced to North American Datum of 1927, Ontario County, NY, Hydrologic Unit 04140201, at New York State Thruway Interchange 43, near Manchester.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 139 ft. Upper casing diameter 2 in; top of first opening 11 ft, bottom of last opening 139 ft. Cased to 11 ft, open hole. Elevation of land-surface datum is 556.70 ft above NGVD of 1929.

PERIOD OF RECORD.--May 1955 to August 1995 and October 2002 to current year.

GAGE.--Water-stage recorder--15 minute; periodic measurements by USGS personnel.

REMARKS.--When drilled in 1955, this was an artesian well. Many water levels recorded were above land-surface datum from May 1955 to June 2007. Water in well casing above land surface datum was subject to freezing during extreme cold periods. Sometime between June and August 2007, a distinct and apparently permanent lowering of water levels in the well casing occurred, caused by unknown reasons. Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured prior to June 2007 lowering of water levels, 11.14 ft above land-surface datum, Mar. 15, 1976; lowest water level recorded, 4.44 ft above land-surface datum, Oct. 28, 1991. Highest water level since June 2007, 1.22 ft below land-surface datum, Apr. 26, 2011; lowest water level, 4.73 ft below land-surface datum, Sept. 13, 2012.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.65 ft below land surface datum, June 13; lowest water level, 4.56 ft below land surface datum, Oct. 5, 6.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 425840077133901, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/425840077133901.2013.pdf

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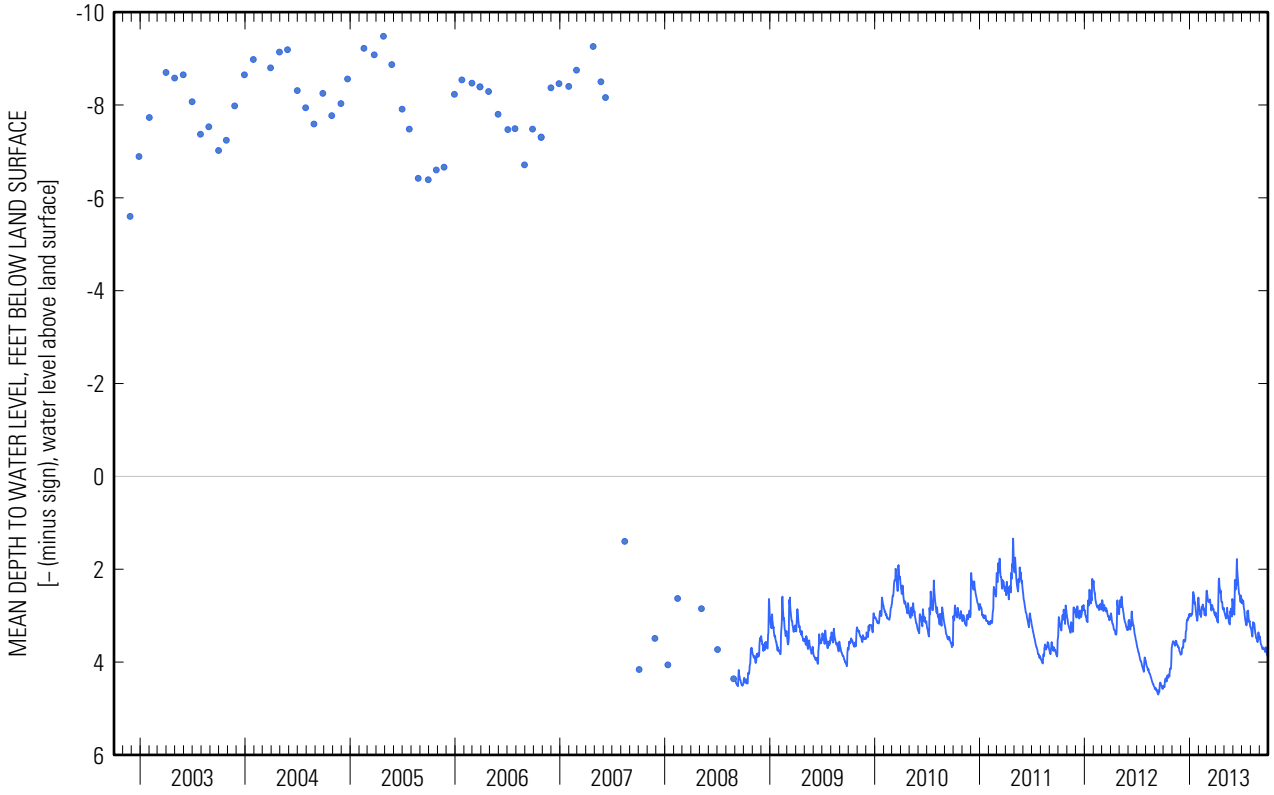
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.51	3.62	3.84	2.97	2.73	2.46	2.93	2.91	2.77	2.73	3.25	3.50
2	4.51	3.60	3.82	2.99	2.78	2.51	2.99	2.94	2.78	2.65	3.28	3.45
3	4.52	3.57	3.83	2.98	2.80	2.55	3.04	2.95	2.87	2.66	3.29	3.51
4	4.53	3.55	3.81	2.97	2.86	2.61	3.03	2.99	2.94	2.74	3.35	3.55
5	4.54	3.56	3.70	3.01	2.90	2.66	3.06	3.01	2.98	2.73	3.39	3.60
6	4.44	3.57	3.70	2.97	2.97	2.69	3.11	3.03	2.69	2.68	3.42	3.62
7	4.38	3.58	3.69	2.99	2.99	2.70	3.10	3.06	2.23	2.74	3.45	3.63
8	4.36	3.60	3.67	2.98	2.96	2.71	3.13	3.06	2.33	2.82	3.31	3.65
9	4.35	3.62	3.69	2.97	3.03	2.71	3.15	2.98	2.44	2.86	3.14	3.67
10	4.35	3.64	3.54	2.92	2.99	2.70	2.79	2.97	2.43	2.89	3.15	3.69
11	4.38	3.65	3.52	2.76	2.89	2.69	2.51	2.83	2.28	2.98	3.21	3.72
12	4.42	3.64	3.55	2.60	2.82	2.65	2.23	2.91	2.35	3.03	3.25	3.72
13	4.40	3.54	3.55	2.49	2.81	2.68	2.20	3.00	1.99	3.08	3.16	3.69
14	4.32	3.55	3.55	2.52	2.82	2.75	2.33	3.04	1.78	3.12	3.19	3.69
15	4.29	3.55	3.56	2.57	2.76	2.76	2.40	3.01	2.00	3.16	3.26	3.72
16	4.32	3.58	3.55	2.57	2.77	2.82	2.45	3.07	2.09	3.19	3.32	3.72
17	4.33	3.62	3.50	2.68	2.82	2.89	2.51	3.14	2.18	3.21	3.38	3.72
18	4.34	3.63	3.35	2.74	2.87	2.88	2.46	3.15	2.24	3.20	3.40	3.73
19	4.27	3.63	3.33	2.71	2.84	2.79	2.46	3.17	2.36	3.16	3.43	3.76
20	4.27	3.64	3.32	2.75	2.90	2.77	2.60	3.19	2.43	2.96	3.48	3.78
21	4.29	3.67	3.15	2.81	2.98	2.80	2.70	3.10	2.50	2.90	3.50	3.75
22	4.31	3.68	3.12	2.89	2.98	2.84	2.70	2.91	2.54	2.96	3.50	3.68
23	4.23	3.67	3.08	2.94	2.95	2.86	2.70	2.96	2.55	2.89	3.50	3.72
24	4.14	3.70	3.08	3.01	2.96	2.85	2.72	2.85	2.55	2.99	3.55	3.74
25	4.14	3.72	3.10	3.02	3.00	2.86	2.81	2.89	2.62	3.06	3.57	3.77
26	4.15	3.76	3.07	3.07	2.98	2.91	2.85	2.96	2.68	3.11	3.52	3.81
27	4.15	3.78	3.04	3.11	2.74	2.94	2.86	3.02	2.71	3.14	3.41	3.84
28	4.08	3.79	3.05	3.06	2.49	2.96	2.87	2.99	2.57	3.11	3.36	3.86
29	3.92	3.81	2.99	2.97	---	2.98	2.83	2.64	2.60	3.16	3.40	3.87
30	3.69	3.84	3.02	2.71	---	3.00	2.88	2.66	2.72	3.22	3.42	3.88
31	3.67	---	2.96	2.61	---	2.96	---	2.72	---	3.25	3.47	---
Mean	4.28	3.65	3.41	2.85	2.87	2.77	2.75	2.97	2.47	2.98	3.36	3.70
Max	4.54	3.84	3.84	3.11	3.03	3.00	3.15	3.19	2.98	3.25	3.57	3.88
Min	3.67	3.54	2.96	2.49	2.49	2.46	2.20	2.64	1.78	2.65	3.14	3.45

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