Water-Data Report 2006

430056075354102 Local number M-178, Valley Mills NY

Sand and gravel aquifers (glaciated regions)
Ice-contact Deposits

Madison County, NY

LOCATION.--Lat 43°00′56″, long 75°35′41″ referenced to North American Datum of 1927, Madison County, NY, Hydrologic Unit 04140202, at Valley Mills.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 16 ft. Upper casing diameter 6 in; top of first opening 16. Cased to 16 ft, open end. Elevation of land-surface datum is 573.76 ft above NGVD of 1929.

PERIOD OF RECORD.--April 1975 to August 1995, December 1996 to current year. Records for April 1975 to September 1976 are unpublished and available in files of the Geological Survey. April 1975 to May 1986, digital recorder at same site and datum. Weekly observer readings May 1986 to Dec. 1988. Electronic data recorder at same site and datum Dec. 1988 to Feb. 1991. Periodic measurements with chalked tape Feb. 1991 to Aug. 1995 and Oct. 1996 to Feb. 1997.

REVISED RECORDS.--WDR NY-91-3: 1990 water level; WDR NY-99-3: 1995 water level.

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

REMARKS.--Well drilled April 1974 as a replacement for 430056075354101 (local number M 177), located 10 ft west, which had a period of record from October 1965 to September 1973 (unpublished). Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.60 ft below land-surface datum, Mar. 5, 1979; lowest measured, 11.19 ft below land-surface datum, Sep. 27, 1995.

EXTREMES FOR CURRENT YEAR.--Highest water level, 4.96 ft below land surface datum, Jan 6; lowest water level, 10.37 ft below land surface datum, Oct 7, 8.

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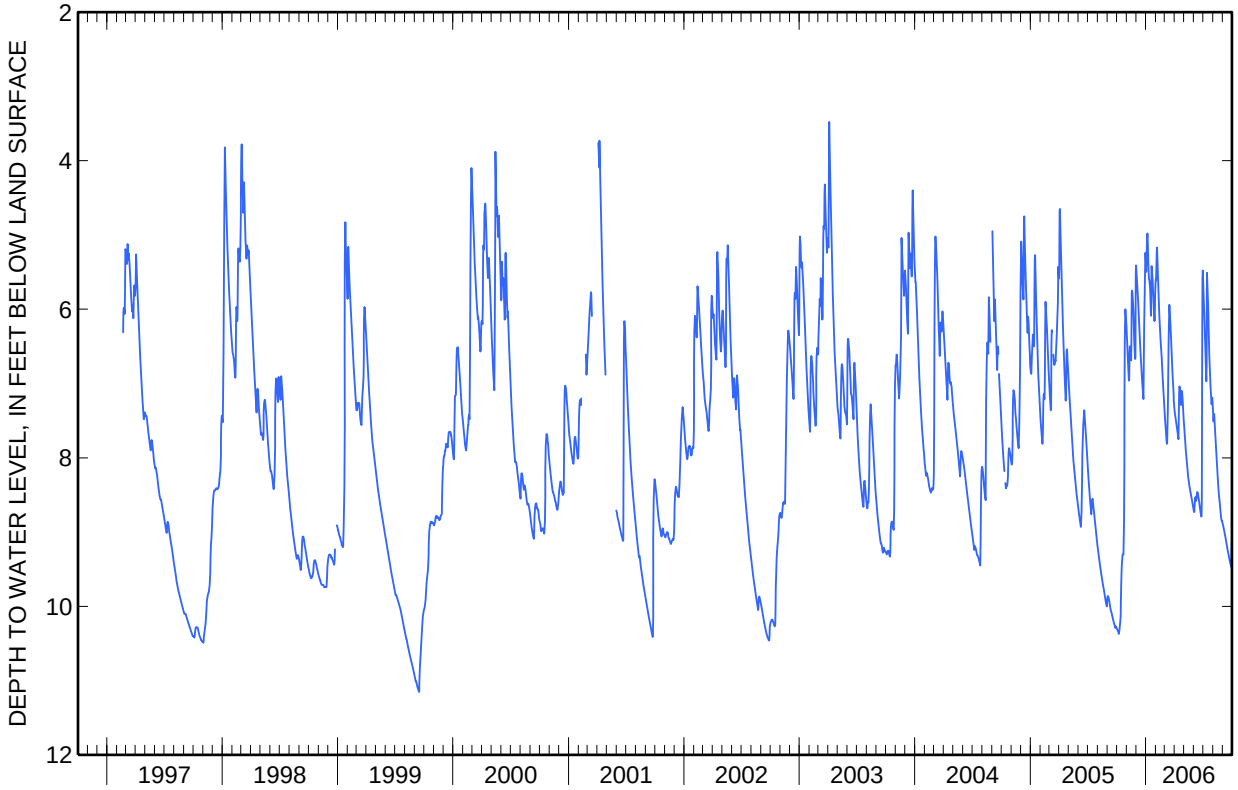
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10.30	6.29	5.41	5.39	5.60	7.37	7.29	7.50	8.71	5.58	7.34	8.89
2	10.31	6.39	5.45	5.50	5.61	7.43	7.38	7.55	8.73	5.71	7.42	8.91
3	10.32	6.46	5.58	5.36	5.43	7.52	7.43	7.62	8.73	5.87	7.51	8.93
4	10.33	6.56	5.62	5.17	5.24	7.57	7.46	7.68	8.64	6.01	7.44	8.95
5	10.34	6.68	5.71	5.06	5.17	7.64	7.48	7.75	8.57	6.11	7.41	8.97
6	10.35	6.77	5.77	4.98	5.31	7.70	7.51	7.81	8.54	6.25	7.47	8.99
7	10.37	6.87	5.88	5.11	5.46	7.76	7.54	7.87	8.53	6.41	7.55	9.01
8	10.35	6.96	6.00	5.27	5.57	7.81	7.57	7.92	8.55	6.55	7.63	9.03
9	10.31	6.96	6.05	5.40	5.67	7.81	7.59	7.98	8.58	6.69	7.71	9.05
10	10.28	6.59	6.14	5.55	5.79	7.50	7.60	8.03	8.56	6.84	7.79	9.07
11	10.24	6.50	6.20	5.60	5.91	7.26	7.64	8.07	8.51	6.97	7.87	9.10
12	10.21	6.51	6.31	5.61	6.00	7.13	7.67	8.12	8.48	6.76	7.96	9.11
13	10.12	6.56	6.41	5.65	6.12	7.02	7.71	8.17	8.46	5.51	8.04	9.14
14	9.93	6.67	6.50	5.70	6.25	6.26	7.75	8.22	8.47	5.56	8.11	9.17
15	9.72	6.69	6.57	5.80	6.36	5.97	7.44	8.26	8.49	5.69	8.19	9.20
16	9.55	6.38	6.64	5.94	6.37	5.94	7.13	8.29	8.52	5.84	8.26	9.23
17	9.44	5.78	6.77	6.09	6.40	5.96	7.04	8.32	8.54	6.00	8.33	9.25
18	9.38	5.75	6.85	5.69	6.48	6.04	7.05	8.35	8.57	6.19	8.39	9.27
19	9.31	5.77	6.91	5.42	6.56	6.15	7.08	8.39	8.60	6.37	8.45	9.29
20	9.30	5.83	6.98	5.44	6.64	6.27	7.15	8.43	8.64	6.53	8.50	9.32
21	9.30	5.91	7.05	5.50	6.73	6.35	7.23	8.46	8.68	6.68	8.55	9.34
22	9.30	5.99	7.11	5.64	6.83	6.44	7.29	8.48	8.70	6.79	8.59	9.37
23	9.04	6.13	7.17	5.70	6.91	6.55	7.18	8.49	8.73	6.84	8.63	9.39
24	8.68	6.22	7.21	5.79	7.00	6.63	7.10	8.51	8.76	6.94	8.68	9.41
25	8.28	6.38	7.06	5.89	7.07	6.72	7.11	8.53	8.79	7.04	8.72	9.43
26	6.58	6.49	6.25	6.01	7.16	6.81	7.16	8.54	8.79	7.15	8.76	9.45
27	6.06	6.60	5.89	6.10	7.23	6.90	7.22	8.57	8.56	7.26	8.80	9.46
28	6.00	6.67	5.82	6.16	7.29	6.99	7.30	8.60	6.59	7.28	8.84	9.47
29	6.03	6.65	5.71	6.10	---	7.08	7.37	8.63	5.58	7.22	8.85	9.26
30	6.12	5.53	5.24	5.79	---	7.16	7.44	8.65	5.48	7.19	8.85	9.09
31	6.21	---	5.25	5.68	---	7.23	---	8.68	---	7.25	8.87	---
Mean	9.10	6.38	6.24	5.62	6.22	6.93	7.36	8.21	8.34	6.49	8.18	9.18
Max	10.37	6.96	7.21	6.16	7.29	7.81	7.75	8.68	8.79	7.28	8.87	9.47
Min	6.00	5.53	5.24	4.98	5.17	5.94	7.04	7.50	5.48	5.51	7.34	8.89

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