



Water-Data Report 2007

424158076251901 Local number Cy-7, near Moravia NY

Sand and gravel aquifers (glaciated regions)

Lake Deposits

Cayuga County, NY

LOCATION.--Lat 42°41'58", long 76°25'19" referenced to North American Datum of 1927, Cayuga County, NY, Hydrologic Unit 04140201, near Moravia.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 27.8 ft. Upper casing diameter 2.5 in; top of first opening 25.8 ft, bottom of last opening 27.8 ft. Cased to 27.8 ft (screen, 25.8 ft to 27.8 ft). Elevation of land-surface datum is 760.70 ft above NGVD of 1929.

PERIOD OF RECORD.--December 1965 to August 1995 and July 2003 to current year. Records for December 1965 to September 1976 are unpublished and available in files of the U.S. Geological Survey. Prior to February 22, 1989, weekly measurements with chalked tape by observer.

GAGE.--Water-stage recorder--15-min logging interval; periodic measurements by USGS personnel.

REMARKS. --Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.91 ft, below land-surface datum, June 26, 1972; lowest measured, 25.00 ft below land-surface datum, Sep. 19, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 16.22 ft below land surface datum, Apr. 23, 24; lowest water level, 23.49 ft below land surface datum, Sep. 10.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18.77	17.78	19.11	19.50	19.42	20.78	---	17.05	---	21.59	21.42	22.63
2	18.74	17.84	19.16	19.48	19.50	20.79	---	17.15	---	21.64	21.43	22.76
3	18.72	17.93	19.18	19.49	19.58	20.73	---	17.25	---	21.72	21.51	22.90
4	18.70	18.04	19.21	19.50	19.66	20.57	---	17.34	---	21.81	21.63	23.03
5	18.69	18.17	19.24	19.53	19.74	20.36	---	17.43	---	21.90	21.79	23.13
6	18.67	18.30	19.30	19.52	19.82	20.16	---	17.52	---	21.95	21.96	23.20
7	18.64	18.43	19.37	19.43	19.91	20.01	---	17.61	---	21.96	22.14	23.27
8	18.62	18.55	19.44	19.24	20.00	19.91	---	17.68	---	21.94	22.31	23.35
9	18.63	18.64	19.50	19.06	20.09	19.85	---	17.75	---	21.97	22.47	23.44
10	18.64	18.71	19.52	18.91	20.18	19.82	---	17.82	---	22.02	22.60	23.49
11	18.66	18.77	19.52	18.83	20.26	19.81	---	17.87	---	22.09	22.67	23.43
12	18.66	18.79	19.52	18.79	20.33	19.80	---	17.91	---	22.16	22.61	23.19
13	18.67	18.73	19.54	18.81	20.40	19.76	---	17.95	---	22.23	---	22.82
14	18.68	18.65	19.59	18.85	20.46	19.61	18.18	17.99	---	22.29	---	22.41
15	18.70	18.56	19.64	18.87	20.51	---	18.19	18.03	---	22.35	---	22.08
16	18.74	18.47	19.69	18.79	20.56	---	18.16	18.07	---	22.42	---	21.85
17	18.78	18.34	19.75	18.61	20.60	---	18.12	18.11	---	22.49	---	21.65
18	18.80	18.14	19.79	18.47	20.64	---	18.03	18.15	---	22.57	---	21.45
19	18.82	17.97	19.83	18.40	20.67	---	17.70	18.18	---	22.64	---	21.32
20	18.75	17.91	19.86	18.42	20.71	---	17.13	18.21	---	22.70	---	21.30
21	18.14	17.93	19.89	18.51	20.72	---	16.65	18.26	---	22.72	22.75	21.35
22	17.57	18.01	19.92	18.61	20.74	---	16.35	18.31	---	22.68	22.80	21.46
23	17.37	18.12	19.94	18.72	20.75	---	16.23	18.36	---	22.64	22.87	21.61
24	17.35	18.26	19.95	18.82	20.75	---	16.25	---	---	22.61	22.94	21.77
25	17.44	18.41	19.93	18.92	20.75	---	16.35	---	---	22.55	23.00	21.94
26	17.57	18.55	19.89	19.01	20.76	---	16.47	---	---	22.37	22.98	22.11
27	17.72	18.68	19.81	19.09	20.77	---	16.59	---	---	22.15	22.79	22.26
28	17.82	18.82	19.72	19.16	20.77	---	16.71	---	---	22.00	22.57	22.39
29	17.85	18.94	19.64	19.22	---	---	16.83	---	---	21.87	22.46	22.44
30	17.80	19.04	19.58	19.28	---	---	16.94	---	21.57	21.69	22.45	22.31
31	17.76	---	19.53	19.35	---	---	---	---	---	21.51	22.52	---
Mean	18.34	18.38	19.60	19.01	20.32	---	---	---	---	22.17	---	22.41
Max	18.82	19.04	19.95	19.53	20.77	---	---	---	---	22.72	---	23.49
Min	17.35	17.78	19.11	18.40	19.42	---	---	---	---	21.51	---	21.30

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