Water-Data Report 2011

421157075535401 Local number Bm-129, near Castle Creek NY

New York clastic-rock aquifers
Sonyea Formation

Broome County, NY

LOCATION.--Lat 42°11′57″, long 75°53′54″ referenced to North American Datum of 1927, Broome County, NY, Hydrologic Unit 02050102, 2.6 mi north of Castle Creek, 200 ft east of State Highway 81, near Castle Creek, NY.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 252 ft. Upper casing diameter 6 in; top of first opening 52 ft, bottom of last opening 252 ft. Cased to 52 ft, open hole. Elevation of land-surface datum is 1,105.75 ft above NGVD of 1929.

PERIOD OF RECORD.--November 1985 to August 1995 and October 2002 to current year.

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

REMARKS.--Well drilled by New York State Department of Transportation, originally intended as water-supply well for proposed rest area on Interstate Highway I-81. Satellite water-level telemeter at station.

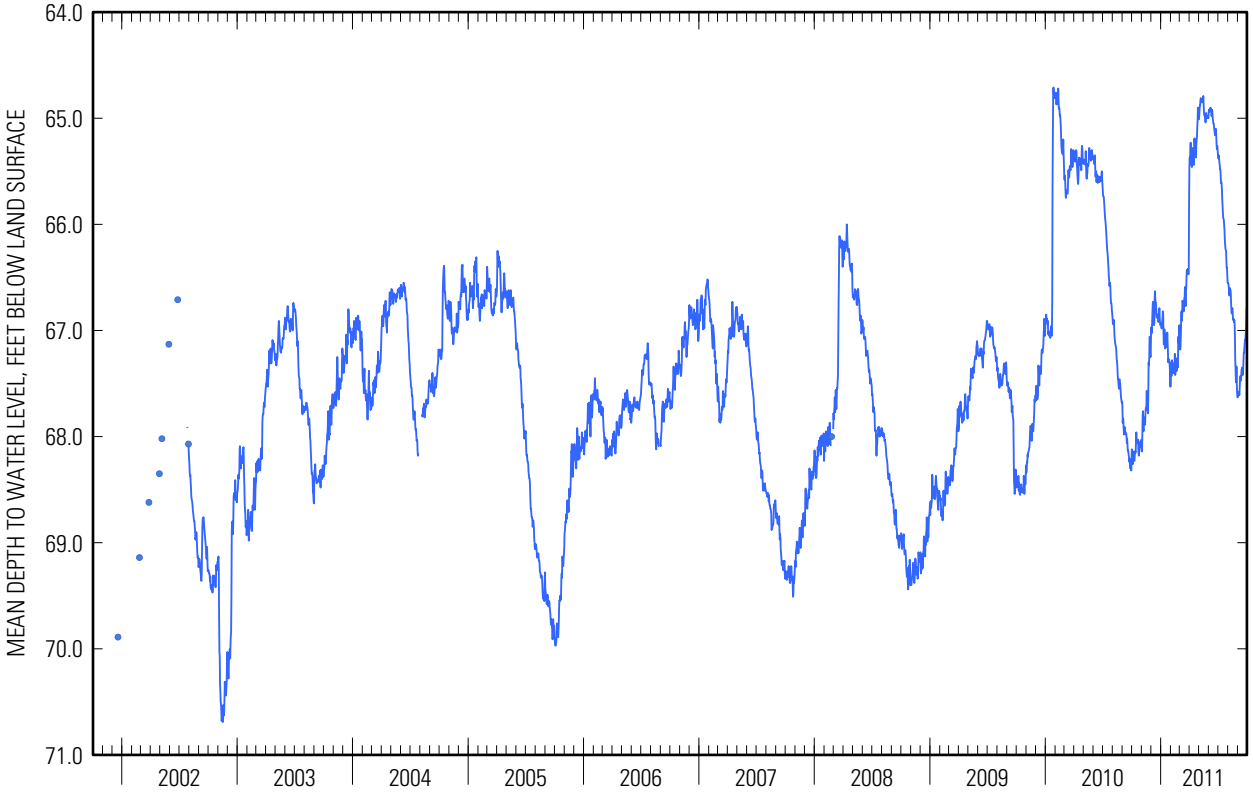
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 64.74 ft below land-surface datum, May 15, 2011; lowest measured, 75.83 ft below land-surface datum, Nov. 1, 1985.

EXTREMES FOR CURRENT YEAR.--Highest water level, 64.74 ft below land-surface datum, May 15; lowest water level, 68.31 ft below land-surface datum, Oct. 4.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 421157075535401, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/421157075535401.2011.pdf

421157075535401 Local number Bm-129, near Castle Creek NY—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	68.12	68.14	66.97	66.93	67.45	67.08	65.46	65.01	64.94	65.36	66.55	67.63
2	68.22	68.14	67.03	66.93	67.30	67.06	65.37	64.98	64.92	65.38	66.56	67.61
3	68.26	68.01	67.01	66.98	67.43	67.18	65.43	64.93	64.94	65.35	66.57	67.60
4	68.26	67.82	66.94	66.93	67.41	67.14	65.30	64.88	64.93	65.38	66.61	67.60
5	68.20	67.76	66.84	66.92	67.28	67.03	65.23	64.88	64.91	65.42	66.67	67.58
6	68.15	67.92	66.75	66.88	67.31	66.91	65.34	64.83	64.91	65.44	66.67	67.61
7	68.14	67.95	66.73	66.82	67.34	66.82	65.41	64.81	64.90	65.48	66.60	67.55
8	68.22	67.83	66.82	66.85	67.31	66.91	65.45	64.82	64.91	65.48	66.61	67.48
9	68.23	67.82	66.93	67.01	67.40	66.87	65.46	64.84	64.92	65.54	66.62	67.43
10	68.18	67.84	66.95	67.13	67.39	66.72	65.41	64.84	64.98	65.61	66.65	67.43
11	68.14	67.89	66.92	67.10	67.40	66.73	65.28	64.85	64.96	65.60	66.75	67.47
12	68.14	67.87	66.72	66.99	67.34	66.72	65.33	64.85	64.92	65.62	66.82	67.43
13	68.15	67.78	66.63	67.14	67.32	66.76	65.30	64.85	64.96	65.68	66.84	67.37
14	68.06	67.73	66.69	67.17	67.22	66.82	65.34	64.83	65.00	65.77	66.81	67.37
15	67.96	67.73	66.74	67.07	67.42	66.80	65.44	64.79	65.03	65.83	66.79	67.35
16	68.03	67.71	66.74	67.10	67.39	66.70	65.31	64.86	65.05	65.89	66.83	67.40
17	68.05	67.57	66.80	67.16	67.35	66.68	65.19	64.94	65.05	65.94	66.90	67.42
18	68.06	67.70	66.86	67.05	67.28	66.59	65.26	64.97	65.08	65.95	66.89	67.38
19	68.05	67.75	66.88	67.03	67.32	66.69	65.28	64.98	65.11	65.96	66.89	67.29
20	68.06	67.72	66.86	67.11	67.38	66.77	65.20	64.98	65.13	66.01	66.92	67.21
21	68.03	67.78	66.87	67.02	67.26	66.63	65.32	65.00	65.16	66.05	66.90	67.21
22	68.16	67.59	66.85	67.11	67.32	66.60	65.37	65.04	65.15	66.14	66.93	67.17
23	68.18	67.30	66.87	67.19	67.35	66.49	65.23	64.99	65.13	66.19	67.05	67.12
24	68.15	67.33	66.92	67.30	67.25	66.43	65.20	64.95	65.10	66.23	67.27	67.09
25	68.09	67.25	66.89	67.27	67.06	66.45	65.17	65.00	65.17	66.24	67.36	67.09
26	68.06	67.06	66.85	67.27	67.12	66.44	65.08	64.98	65.25	66.25	67.47	67.04
27	68.05	67.06	66.79	67.28	67.05	66.42	65.02	65.00	65.29	66.34	67.49	67.00
28	68.07	67.21	66.87	67.30	66.95	66.43	64.90	64.98	65.26	66.41	67.34	66.92
29	68.10	67.25	66.92	67.35	---	66.47	64.92	64.98	65.28	66.41	67.51	66.81
30	68.05	67.15	66.95	67.43	---	66.42	64.99	64.99	65.33	66.49	67.59	66.76
31	68.03	---	66.95	67.53	---	65.79	---	65.00	---	66.55	67.63	---
Mean	68.12	67.66	66.86	67.11	67.30	66.70	65.27	64.92	65.06	65.87	66.94	67.31
Max	68.26	68.14	67.03	67.53	67.45	67.18	65.46	65.04	65.33	66.55	67.63	67.63
Min	67.96	67.06	66.63	66.82	66.95	65.79	64.90	64.79	64.90	65.35	66.55	66.76

421157075535401 Local number Bm-129, near Castle Creek NY—Continued