

Water-Data Report 2012

**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, 65.37 ft below land surface datum, Dec. 27; lowest water level, 68.38 ft below land surface datum, Sept. 27.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	66.74	66.18	65.94	65.54	65.75	65.86	65.83	66.56	66.11	66.59	67.61	68.01
2	66.70	66.17	65.98	65.48	65.79	65.91	65.86	66.55	66.07	66.65	67.64	68.02
3	66.71	66.07	66.05	65.56	65.87	65.80	65.90	66.52	66.08	66.69	67.69	68.04
4	66.70	66.06	66.00	65.61	65.84	65.82	65.96	66.48	66.08	66.69	67.75	67.99
5	66.69	66.10	65.95	65.57	65.81	65.91	66.14	66.48	66.15	66.74	67.73	68.04
6	66.71	66.10	65.86	65.54	65.76	66.04	66.21	66.50	66.18	66.81	67.74	68.13
7	66.71	66.06	65.76	65.55	65.76	66.02	66.24	66.49	66.19	66.85	67.75	68.18
8	66.69	66.04	65.77	65.69	65.78	65.92	66.19	66.39	66.19	66.88	67.78	68.13
9	66.65	65.98	65.82	65.69	65.76	65.91	66.15	66.32	66.20	66.95	67.76	68.18
10	66.58	65.91	65.88	65.64	65.73	66.00	66.15	66.27	66.24	67.00	67.71	68.19
11	66.52	65.88	65.95	65.67	65.66	65.97	66.21	66.34	66.26	67.04	67.73	68.22
12	66.46	65.94	65.94	65.52	65.67	65.93	66.34	66.38	66.19	67.06	67.79	68.23
13	66.34	65.94	65.92	65.48	65.70	65.83	66.48	66.36	66.19	67.11	67.84	68.23
14	66.21	65.89	65.87	65.63	65.73	65.86	66.52	66.32	66.24	67.14	67.83	68.21
15	66.22	65.91	65.72	65.81	65.78	65.86	66.53	66.22	66.26	67.12	67.80	68.20
16	66.26	65.92	65.73	65.94	65.78	65.83	66.51	66.18	66.26	67.10	67.83	68.20
17	66.24	65.95	65.74	65.81	65.72	65.86	66.54	66.22	66.22	67.12	67.83	68.21
18	66.28	66.07	65.76	65.87	65.73	65.84	66.56	66.22	66.23	67.19	67.86	68.11
19	66.21	66.09	65.69	65.89	65.78	65.83	66.52	66.20	66.23	67.26	67.89	68.21
20	66.08	66.06	65.71	65.91	65.89	65.87	66.50	66.21	66.23	67.29	67.89	68.23
21	66.18	66.13	65.61	65.86	65.91	65.91	66.49	66.17	66.22	67.34	67.93	68.23
22	66.25	66.12	65.64	65.92	65.80	65.88	66.49	66.09	66.23	67.39	67.95	68.21
23	66.27	65.95	65.64	65.82	65.79	65.85	66.31	66.11	66.28	67.37	67.97	68.28
24	66.23	66.04	65.73	65.81	65.77	65.82	66.35	66.14	66.31	67.36	67.99	68.31
25	66.22	66.03	65.66	65.89	65.79	65.77	66.47	66.14	66.28	67.44	68.01	68.31
26	66.14	66.03	65.65	65.82	66.01	65.82	66.47	66.15	66.32	67.40	68.01	68.30
27	66.08	66.00	65.52	65.66	66.00	65.91	66.55	66.14	66.37	67.45	67.99	68.34
28	66.17	65.97	65.46	65.75	66.07	65.78	66.62	66.11	66.41	67.53	67.88	68.29
29	66.14	65.88	65.54	65.78	65.98	65.83	66.64	66.06	66.46	67.59	67.93	68.27
30	66.16	65.80	65.54	65.82	---	65.87	66.63	66.05	66.53	67.64	67.97	68.28
31	66.18	---	65.54	65.78	---	65.84	---	66.10	---	67.64	67.97	---
<b>Mean</b>	66.38	66.01	65.76	65.72	65.81	65.88	66.35	66.27	66.24	67.14	67.84	68.19
<b>Max</b>	66.74	66.18	66.05	65.94	66.07	66.04	66.64	66.56	66.53	67.64	68.01	68.34
<b>Min</b>	66.08	65.80	65.46	65.48	65.66	65.77	65.83	66.05	66.07	66.59	67.61	67.99

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