



Water-Data Report 2010

394452074281901 Local number 050628 Penn SF Shallow Obs

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation

Burlington County, NJ

LOCATION.--Lat 39°44'52", long 74°28'19" referenced to North American Datum of 1927, Washington Township, Burlington County, NJ, Hydrologic Unit 02040301, about 500 ft south of the intersection of Sooy Rd. and Cabin Rd., Penn State Forest.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 12 ft. Upper casing diameter 6 in; top of first opening 12 ft. Drilled water-table well.

DATUM.--Land-surface datum is 78.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in well seal, 2.77 ft above land-surface datum, Apr 5, 2001, to present.

PERIOD OF RECORD.--December 1936 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval. Periodic measurements, October 1991 to April 2001. Water-level recorder, June 1990 to October 1991. Periodic measurements, October 1984 to June 1990. Water-level recorder, October 1977 to October 1984. Periodic measurements, January 1975 to October 1977. Water-level recorder, December 1936 to January 1975.

REMARKS.--Well deepened from 10 ft to 12 ft in July 1963.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, greater than 0.11 ft above land surface (flowing), several times, 1959-62; lowest, 6.22 ft below land surface, Dec 9-10, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.17 ft below land surface datum, Dec 26; lowest water level, 6.03 ft below land surface datum, Sep 27, 28, 29, 30.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.73	1.44	1.96	0.75	1.07	0.74	0.58	1.19	1.65	2.99	3.85	5.28
2	2.81	1.47	1.98	0.75	1.10	0.65	0.68	1.24	1.66	3.06	3.90	5.32
3	2.84	1.59	1.30	0.84	1.10	0.59	0.75	1.26	1.71	3.12	3.96	5.35
4	2.85	1.72	1.22	0.91	1.12	0.61	0.79	1.29	1.78	3.19	4.02	5.38
5	2.93	1.79	1.23	0.94	1.12	0.68	0.83	1.35	1.83	3.26	4.07	5.44
6	3.00	1.87	0.89	0.96	1.08	0.76	0.86	1.38	1.88	3.34	4.15	5.49
7	3.03	1.93	1.07	0.99	1.14	0.82	0.89	1.45	1.95	3.41	4.24	5.53
8	3.12	1.97	1.18	1.00	1.16	0.86	0.93	1.46	2.02	3.47	4.30	5.56
9	3.15	2.02	0.81	1.04	1.17	0.91	0.87	1.53	2.07	3.52	4.36	5.61
10	3.20	2.04	0.79	1.07	0.95	0.95	0.91	1.59	1.92	3.54	4.43	5.65
11	3.26	2.06	0.99	1.08	0.82	0.97	0.98	1.62	1.98	3.50	4.49	5.69
12	3.31	1.93	1.09	1.09	0.94	0.96	1.01	1.52	2.06	3.55	4.53	5.72
13	3.32	1.60	1.00	1.11	0.99	0.39	1.04	1.48	2.11	3.59	4.58	5.73
14	3.37	1.26	0.73	1.13	1.04	0.27	1.04	1.56	2.14	3.50	4.65	5.76
15	3.36	1.32	0.90	1.14	1.09	0.31	1.06	1.56	2.19	2.88	4.69	5.79
16	3.20	1.47	1.03	1.15	0.85	0.45	1.07	1.64	2.24	2.75	4.73	5.82
17	3.12	1.62	1.11	1.03	0.90	0.58	1.08	1.69	2.27	2.84	4.79	5.84
18	2.87	1.72	1.15	0.54	0.98	0.66	1.14	1.19	2.35	2.96	4.82	5.86
19	2.56	1.76	1.14	0.71	1.00	0.73	1.17	0.80	2.40	3.08	4.80	5.86
20	2.58	1.72	1.18	0.85	0.93	0.79	1.20	1.03	2.45	3.19	4.88	5.87
21	2.66	1.74	1.22	0.94	0.89	0.83	1.20	1.18	2.52	3.24	4.94	5.89
22	2.73	1.82	1.24	0.98	0.90	0.83	1.10	1.29	2.59	3.31	4.95	5.91
23	2.79	1.87	1.26	1.04	0.52	0.51	1.16	1.33	2.65	3.39	4.94	5.94
24	2.80	1.87	1.28	1.06	0.35	0.53	1.25	1.35	2.71	3.48	4.94	5.95
25	2.55	1.87	1.25	0.80	0.47	0.70	1.11	1.38	2.75	3.58	4.94	5.97
26	2.47	1.87	0.44	0.59	0.55	0.76	0.69	1.44	2.82	3.64	4.97	6.00
27	2.40	1.86	0.32	0.78	0.66	0.84	0.77	1.51	2.87	3.72	5.04	6.02
28	1.73	1.93	0.57	0.88	0.74	0.87	0.95	1.31	2.93	3.78	5.09	6.03
29	1.39	1.99	0.71	0.96	---	0.44	1.06	1.36	2.82	3.82	5.14	6.02
30	1.51	2.01	0.80	1.01	---	0.28	1.13	1.43	2.88	3.74	5.19	6.03
31	1.60	---	0.83	1.04	---	0.41	---	1.57	---	3.78	5.23	---
Mean	2.75	1.77	1.05	0.94	0.92	0.67	0.98	1.39	2.27	3.36	4.63	5.74
Max	3.37	2.06	1.98	1.15	1.17	0.97	1.25	1.69	2.93	3.82	5.23	6.03
Min	1.39	1.26	0.32	0.54	0.35	0.27	0.58	0.80	1.65	2.75	3.85	5.28

Water Year 2010	
Mean	2.21
High	0.27
Low	6.03

