Water-Data Report 2012

392920074570001 Local number 110237 Natural Area 1 Obs NJ Permit Number 35-01165

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation

Cumberland County, NJ

LOCATION.--Lat 39°29′20″, long 74°57′00″ referenced to North American Datum of 1927, Vineland City, Cumberland County, NJ, Hydrologic Unit 02040206, in the Willow Oak Natural Area, about 600 ft east of the intersection of Maple Ave. and Lincoln Ave.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 81 ft. Upper casing diameter 4 in; top of first opening 76 ft, bottom of last opening 81 ft. Drilled water-table observation well.

DATUM.--Land-surface datum is 88 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base of locking cap, 0.98 ft above land-surface datum, Mar 1, 2001, to present.

PERIOD OF RECORD.--April 1972 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval. Periodic measurements, April 1972 to March 2001.

REMARKS.--Water level is affected by pumping from nearby irrigation wells.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.93 ft below land surface datum, Mar 30-31, 2010; lowest, 12.06 ft below land surface datum, Aug 22, 2002.

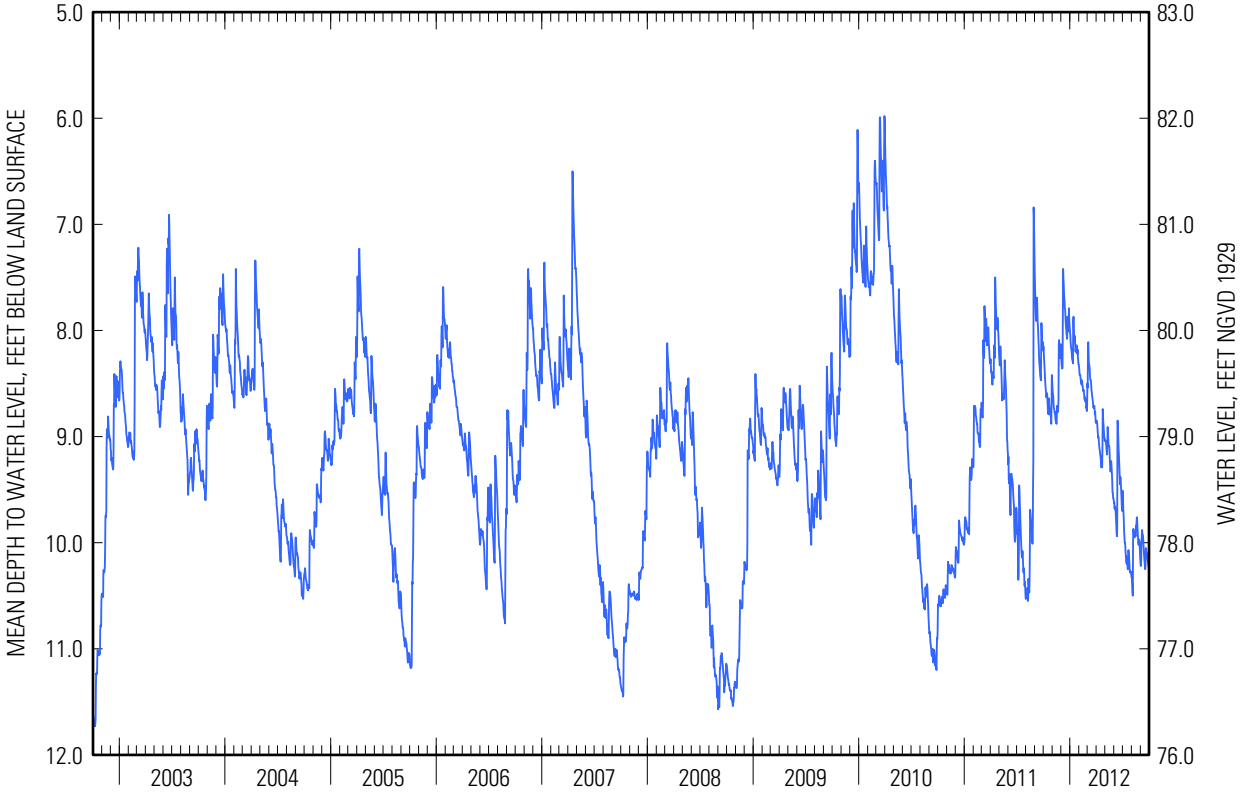
EXTREMES FOR CURRENT YEAR.--Highest water level, 7.38 ft below land surface datum, Dec 8; lowest water level, 10.55 ft below land surface datum, Aug 5.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 392920074570001, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/392920074570001.2012.pdf

392920074570001 Local number 110237 Natural Area 1 Obs NJ Permit Number 35-01165—Continued

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	8.15	8.52	8.23	8.02	8.34	8.50	8.87	9.03	9.63	9.51	10.33	10.21
2	8.20	8.58	8.28	8.05	8.37	8.54	8.85	9.04	9.62	9.59	10.34	10.22
3	8.26	8.60	8.33	8.11	8.42	8.15	8.87	9.04	9.68	9.67	10.40	10.17
4	8.31	8.63	8.34	8.15	8.42	8.11	8.88	9.05	9.66	9.73	10.47	10.00
5	8.36	8.70	8.36	8.17	8.42	8.21	8.93	9.08	9.66	9.80	10.50	9.95
6	8.43	8.73	8.35	8.19	8.44	8.30	8.97	9.12	9.69	9.90	9.97	9.88
7	8.48	8.74	7.89	8.22	8.47	8.32	9.01	9.15	9.72	9.94	9.87	9.91
8	8.52	8.76	7.42	8.27	8.49	8.33	9.00	9.17	9.78	10.0	9.90	9.93
9	8.56	8.78	7.51	8.28	8.50	8.37	9.02	9.08	9.84	10.00	9.94	9.93
10	8.59	8.77	7.55	8.29	8.51	8.44	9.06	8.91	9.91	10.03	9.95	9.97
11	8.63	8.81	7.64	8.31	8.47	8.46	9.09	8.96	9.94	10.09	9.95	10.02
12	8.62	8.85	7.69	7.91	8.49	8.47	9.12	9.02	9.87	10.13	9.90	10.07
13	8.59	8.85	7.73	7.87	8.52	8.47	9.14	9.07	8.85	10.17	9.92	10.12
14	8.61	8.86	7.79	7.98	8.53	8.51	9.16	9.09	8.85	10.19	9.94	10.16
15	8.67	8.88	7.80	8.07	8.57	8.56	9.18	9.09	8.95	10.20	9.94	10.19
16	8.73	8.83	7.87	8.11	8.57	8.58	9.20	9.10	9.04	10.13	9.84	10.23
17	8.77	8.71	7.92	8.05	8.56	8.61	9.26	9.17	9.12	10.16	9.89	10.25
18	8.79	8.74	7.97	8.09	8.59	8.63	9.29	9.25	9.18	10.24	9.80	10.21
19	8.70	8.76	8.00	8.15	8.61	8.65	9.28	9.29	9.25	10.25	9.76	10.05
20	8.64	8.77	8.04	8.20	8.65	8.67	9.29	9.33	9.32	10.12	9.79	10.06
21	8.70	8.72	8.05	8.17	8.65	8.71	9.28	9.29	9.40	10.07	9.85	10.08
22	8.73	8.66	8.08	8.20	8.63	8.73	9.11	9.23	9.45	10.10	9.90	10.12
23	8.75	8.14	7.87	8.14	8.67	8.72	8.74	9.26	9.38	10.13	9.95	10.10
24	8.78	8.09	7.91	8.14	8.66	8.72	8.80	9.31	9.42	10.18	10.0	10.12
25	8.80	8.14	7.94	8.20	8.67	8.71	8.87	9.36	9.46	10.24	10.02	10.15
26	8.81	8.20	8.01	8.22	8.73	8.75	8.90	9.44	9.52	10.28	9.98	10.18
27	8.82	8.23	7.97	8.18	8.72	8.79	8.95	9.53	9.59	10.28	9.97	10.20
28	8.88	8.26	7.79	8.24	8.76	8.77	9.00	9.53	9.66	10.28	9.99	10.21
29	8.68	8.22	7.88	8.28	8.69	8.83	9.01	9.58	9.70	10.27	10.04	10.23
30	8.42	8.13	7.94	8.32	---	8.87	9.04	9.58	9.52	10.28	10.11	10.24
31	8.48	---	7.98	8.32	---	8.86	---	9.60	---	10.31	10.16	---
Mean	8.60	8.59	7.94	8.16	8.56	8.56	9.04	9.22	9.49	10.07	10.01	10.11
Max	8.88	8.88	8.36	8.32	8.76	8.87	9.29	9.60	9.94	10.31	10.50	10.25
Min	8.15	8.09	7.42	7.87	8.34	8.11	8.74	8.91	8.85	9.51	9.76	9.88

	Water Year 2012
Mean	9.03
High	7.42
Low	10.50

392920074570001 Local number 110237 Natural Area 1 Obs NJ Permit Number 35-01165—Continued