

Water-Data Report 2007

**392731075092401 Local number 110042 Vocational School 2 Obs NJ Permit Number 35-01145**

Northern Atlantic Coastal Plain aquifer system  
Cohansey Sand-Kirkwood Formation  
Cumberland County, NJ

LOCATION.--Lat 39°27'32", long 75°09'29" referenced to North American Datum of 1927, Deerfield Township, Cumberland County, NJ, Hydrologic Unit 02040206, next to the Cumberland County Technical Education Center, Bridgeton Ave.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 47 ft. Upper casing diameter 4 in, top of first opening 42 ft, bottom of last opening 47 ft. Drilled water-table well.

DATUM.--Land-surface datum is 81.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum, May 14, 2001, to present.

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

GAGE.--Data collection platform with satellite telemetry--60 minute recording interval. Submersible logger pressure transducer, July 2000 to May 2001. Water-level recorder, July 1987 to July 2000. Periodic measurements, Mar. 1972 to July 1987.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.40 ft below land surface, Apr. 21, 1972; lowest, 10.23 ft below land surface, Oct. 10, 2002.

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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	5.56	5.29	4.41	4.47	4.31	4.49	4.34	3.50	4.30	4.94	5.72	6.07
2	5.59	5.32	4.56	4.42	4.28	4.31	4.31	3.53	4.33	4.98	5.75	6.09
3	5.62	5.38	4.55	4.41	4.37	4.31	4.37	3.62	4.29	5.01	5.77	6.09
4	5.64	5.40	4.52	4.39	4.38	4.36	4.29	3.59	4.14	4.98	5.80	6.13
5	5.66	5.40	4.57	4.38	4.43	4.38	---	3.58	4.22	4.96	5.85	6.17
6	5.60	5.40	4.55	4.38	4.41	4.47	---	3.66	4.32	5.01	5.82	6.21
7	5.52	5.37	4.55	4.46	4.39	4.43	---	3.67	4.37	5.07	5.84	6.22
8	5.54	5.11	4.63	4.01	4.43	4.46	---	3.69	4.37	5.12	5.87	6.24
9	5.54	4.97	4.64	3.91	4.44	4.49	---	3.70	4.42	5.16	5.89	6.26
10	5.55	5.00	4.63	4.00	4.46	4.44	---	3.71	4.47	5.19	5.82	6.28
11	5.54	4.98	4.66	4.01	4.49	4.48	4.40	3.87	4.46	5.19	5.84	6.27
12	5.50	4.93	4.67	3.97	4.49	4.50	4.27	3.82	4.49	5.25	5.87	6.31
13	5.57	4.56	4.61	3.97	4.49	4.50	4.29	3.79	4.55	5.29	5.88	6.35
14	5.57	4.45	4.62	3.99	4.25	4.50	4.28	3.84	4.55	5.33	5.94	6.36
15	5.62	4.45	4.63	3.97	4.35	4.54	3.83	3.82	4.57	5.33	5.97	6.35
16	5.65	4.40	4.73	4.06	4.36	4.40	3.03	3.94	4.58	5.38	5.97	6.39
17	5.56	4.43	4.71	4.16	4.38	4.10	3.02	3.88	4.63	5.40	6.00	6.42
18	5.36	4.45	4.72	4.08	4.40	4.15	3.09	3.89	4.69	5.42	6.07	6.45
19	5.36	4.45	4.77	4.04	4.48	4.18	3.14	3.89	4.71	5.43	6.05	6.46
20	5.30	4.50	4.79	4.14	4.42	4.21	3.18	3.91	4.72	5.47	5.96	6.50
21	5.36	4.54	4.77	4.17	4.49	4.24	3.21	3.99	4.73	5.50	---	6.51
22	5.33	4.46	4.78	4.09	4.45	4.17	3.24	4.04	4.77	5.54	---	6.50
23	5.34	4.38	4.59	4.16	4.54	4.21	3.25	4.07	4.84	5.52	---	6.44
24	5.38	4.40	4.67	4.19	4.56	---	3.31	4.08	4.88	5.55	---	6.48
25	5.43	4.43	4.63	4.18	4.53	4.24	3.34	4.09	4.82	5.59	5.79	6.51
26	5.49	4.43	4.49	4.24	4.43	4.21	3.40	4.13	4.77	5.62	5.83	6.53
27	5.48	4.43	4.62	4.19	4.46	4.21	3.32	4.16	4.82	5.64	5.89	6.55
28	5.24	4.46	4.70	4.21	4.50	4.28	3.31	4.17	4.85	5.69	5.92	6.57
29	5.26	4.48	4.70	4.31	---	4.33	3.37	4.25	4.86	5.69	5.96	6.62
30	5.29	4.47	4.66	4.29	---	4.35	3.41	4.27	4.86	5.67	5.97	6.64
31	5.27	---	4.68	4.34	---	4.32	---	4.29	---	5.67	6.01	---
<b>Mean</b>	5.47	4.76	4.64	4.18	4.43	---	---	3.89	4.58	5.34	---	6.37
<b>Max</b>	5.66	5.40	4.79	4.47	4.56	---	---	4.29	4.88	5.69	---	6.64
<b>Min</b>	5.24	4.38	4.41	3.91	4.25	---	---	3.50	4.14	4.94	---	6.07

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