

Water-Data Report 2006

**393232074263903 Local number 010776 FAA Shallow Obs**

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

LOCATION.--Lat 39°26'39", long 74°32'32" referenced to North American Datum of 1927, Egg Harbor Township, Atlantic County, NJ, Hydrologic Unit 02040302, at the FAA William J. Hughes Technical Center.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 93 ft. Upper casing diameter 4 in; top of first opening 73 ft, bottom of last opening 93 ft. Drilled water-table well.

DATUM.--Land-surface datum is 38.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC at mark, 0.95 ft above land-surface datum, May 1, 1985, to present.

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval. Periodic measurements, May 1985 to June 2003.

REMARKS.--Water level is affected by the stage of the Atlantic City Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.86 ft below land surface, May 29, 1985; lowest, 23.42 ft below land surface, Sept. 6, 2002.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	20.78	19.43	19.71	20.69	20.74	20.86	20.38	21.51	20.18
2	---	---	---	20.71	19.20	19.60	20.67	20.73	20.78	20.48	21.54	20.29
3	---	---	---	20.48	18.95	19.62	20.66	20.66	20.79	20.79	21.50	20.58
4	---	---	---	20.07	19.21	19.84	20.59	20.92	20.84	21.15	21.53	20.68
5	---	---	---	19.38	19.65	20.12	20.66	21.07	20.86	21.14	21.44	20.84
6	---	---	---	19.40	20.00	20.24	20.67	21.07	20.82	20.22	21.55	20.87
7	---	---	---	19.67	19.87	20.25	20.51	21.13	20.86	20.57	21.70	20.29
8	---	---	---	20.12	19.61	20.19	20.62	21.13	20.96	20.91	21.82	20.11
9	---	---	---	20.01	19.98	20.01	20.80	21.15	21.07	20.78	21.89	20.45
10	---	---	---	19.69	20.03	19.87	20.78	21.13	21.21	20.73	21.96	20.57
11	---	---	---	19.46	19.86	20.11	20.33	21.00	21.30	20.78	22.10	20.64
12	---	---	---	19.58	19.82	20.29	20.48	20.82	21.22	21.00	22.00	20.67
13	---	---	---	19.73	19.71	20.31	20.42	20.82	20.86	21.10	21.93	20.73
14	---	---	---	19.78	19.50	20.33	20.71	20.86	20.84	21.20	21.98	21.00
15	---	---	---	20.07	19.86	20.35	20.77	20.97	20.76	21.27	22.26	21.09
16	---	---	---	20.07	19.95	20.50	20.87	20.96	20.94	21.32	22.35	20.90
17	---	---	---	19.86	19.80	20.52	20.88	20.91	20.86	21.31	22.17	20.90
18	---	---	---	19.77	20.01	20.59	21.03	20.46	20.79	21.21	22.08	20.92
19	---	---	---	19.91	20.13	20.63	21.18	20.22	21.06	21.24	22.07	20.92
20	---	---	19.92	19.70	20.17	20.66	21.09	20.61	21.24	21.27	22.09	20.87
21	---	---	19.69	19.86	19.94	20.57	21.27	20.83	21.31	21.31	22.14	20.88
22	---	---	19.47	19.95	19.65	20.36	21.04	20.94	21.12	21.19	22.22	20.87
23	---	---	19.51	19.54	19.28	20.32	20.74	21.02	21.01	21.03	22.18	20.85
24	---	---	19.62	19.33	19.81	20.49	20.26	21.07	21.29	20.76	22.16	20.98
25	---	---	19.66	19.35	19.97	20.59	20.38	21.09	20.99	21.02	22.10	21.12
26	---	---	19.43	19.62	20.07	20.54	20.51	21.07	20.37	21.21	22.15	21.11
27	---	---	19.93	19.87	19.85	20.56	20.58	21.09	20.49	21.29	21.96	21.12
28	---	---	20.27	19.91	19.42	20.49	20.65	21.11	20.70	21.34	21.36	21.21
29	---	---	20.27	19.95	---	20.44	20.72	20.89	20.52	21.42	20.56	21.34
30	---	---	20.24	19.89	---	20.55	20.75	20.84	20.56	21.48	20.23	21.46
31	---	---	20.54	19.65	---	20.57	---	20.88	---	21.50	20.13	---
<b>Mean</b>	---	---	---	19.84	19.74	20.30	20.71	20.91	20.91	21.05	21.76	20.81
<b>Max</b>	---	---	---	20.78	20.17	20.66	21.27	21.15	21.31	21.50	22.35	21.46
<b>Min</b>	---	---	---	19.33	18.95	19.60	20.26	20.22	20.37	20.22	20.13	20.11

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