



Water-Data Report 2007

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.

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	21.31	20.15	19.63	19.19	18.99	19.38	19.50	18.92	19.52	20.76	21.67	22.72
2	21.03	20.20	19.97	19.13	18.77	19.14	19.67	18.71	19.62	20.86	21.76	22.78
3	21.00	20.20	20.09	18.83	19.24	19.23	19.63	18.55	20.20	20.92	21.80	22.78
4	20.77	20.10	20.08	19.00	19.51	19.43	19.49	18.83	19.84	20.91	21.93	22.79
5	20.56	20.45	19.94	19.36	19.50	19.55	19.30	19.03	19.38	20.87	22.03	22.59
6	20.39	20.71	19.71	19.64	19.48	19.74	19.38	19.26	19.24	20.66	22.05	22.44
7	20.20	20.61	19.83	19.81	19.51	19.66	19.58	19.31	19.37	20.76	22.05	22.17
8	20.55	20.15	20.02	19.58	19.61	19.29	19.68	19.12	19.30	20.97	21.93	22.22
9	20.88	19.93	19.95	19.30	19.77	18.73	19.70	19.39	19.39	21.05	21.83	22.32
10	20.76	20.18	19.93	19.26	20.00	18.57	19.54	19.56	19.73	21.07	21.79	22.34
11	20.34	20.41	19.90	18.87	20.05	18.69	19.36	19.63	19.61	21.14	22.10	22.39
12	20.55	20.40	19.53	19.19	19.79	19.07	19.44	19.76	19.35	21.38	22.23	22.65
13	20.91	20.21	19.45	19.41	19.43	18.94	19.58	19.77	19.41	21.47	22.27	22.52
14	20.79	20.14	19.54	19.48	19.12	18.99	19.74	19.86	19.59	21.57	22.35	22.47
15	20.95	19.89	19.53	19.48	18.98	19.11	19.70	19.50	19.47	21.63	22.17	22.59
16	20.95	19.33	19.59	19.39	18.79	19.28	19.34	19.17	19.46	21.65	22.36	22.71
17	20.71	19.37	19.61	19.29	19.22	19.30	19.07	19.47	19.61	21.62	22.29	22.73
18	20.52	19.48	19.61	19.13	19.24	19.45	18.82	19.40	19.69	21.68	22.53	22.62
19	20.39	19.45	19.63	19.18	19.11	19.53	18.72	19.57	19.76	21.52	22.62	22.59
20	20.19	19.43	19.35	19.31	19.31	19.59	18.79	19.88	19.80	21.53	22.56	22.64
21	20.45	19.62	18.99	19.59	19.39	19.27	18.84	20.08	19.87	21.50	22.43	22.69
22	20.50	19.94	19.04	19.67	19.62	19.17	18.89	19.97	19.93	21.53	22.16	22.75
23	20.45	19.94	19.22	19.20	19.79	19.19	18.68	19.53	20.00	21.55	22.22	22.82
24	20.50	20.09	19.16	18.97	19.74	19.44	18.83	19.52	20.06	21.44	22.30	22.79
25	20.52	20.02	19.09	18.86	19.73	19.82	18.96	19.46	20.06	21.25	22.36	22.53
26	20.62	19.87	18.90	18.82	19.58	20.02	18.84	19.52	20.06	21.22	22.43	22.44
27	20.56	19.40	19.00	19.04	19.37	19.60	18.97	19.62	20.25	21.32	22.46	22.51
28	20.18	19.58	19.30	19.33	19.39	19.32	19.16	19.66	20.13	21.49	22.52	22.70
29	20.51	19.29	19.44	19.37	---	19.26	19.28	19.52	20.36	21.76	22.57	22.63
30	20.73	19.23	19.48	19.04	---	19.20	19.24	19.63	20.63	21.77	22.61	22.60
31	20.49	---	19.53	18.95	---	19.30	---	19.78	---	21.69	22.68	---
Mean	20.62	19.93	19.55	19.25	19.43	19.30	19.26	19.45	19.76	21.31	22.23	22.58
Max	21.31	20.71	20.09	19.81	20.05	20.02	19.74	20.08	20.63	21.77	22.68	22.82
Min	20.18	19.23	18.90	18.82	18.77	18.57	18.68	18.55	19.24	20.66	21.67	22.17

Water Year 2007	
Mean	20.23
High	18.55
Low	22.82

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