

Water-Data Report 2007

395312074302102 Local number 051559 MB OW-2S

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

LOCATION.--Lat 39°53'12.5", long 74°30'21.2" referenced to North American Datum of 1983, Woodland Township, Burlington County, NJ, Hydrologic Unit 02040202, in Brendan Byrne State Forest.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 35 ft. Upper casing diameter 2 in, top of first opening 25 ft, bottom of last opening 35 ft. Drilled water-table observation well.

DATUM.--Land-surface datum is 139.71 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 1.2 ft above land-surface datum, Sep. 22, 2004, to present. The land surface elevation was determined from a digital elevation model and is estimated to be accurate to within plus or minus 5 ft; however, the relative difference between the top of casing of this well and wells MB OW-2M (051558) and MB OW-2D (051560) is accurate to within 0.01 ft, from differential surveying.

PERIOD OF RECORD.--Sept. 2004 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.98 ft below land surface, Apr. 13, 2005; lowest, 21.62 ft below land surface, Oct. 4-6, 2005.

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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	20.84	20.63	20.03	20.31	20.29	---	---	---	20.37	20.75	21.03	21.14
2	20.85	20.63	20.07	20.27	20.29	---	---	---	20.39	20.77	21.06	21.16
3	20.86	20.64	20.08	20.25	20.31	---	---	---	20.40	20.78	21.08	21.17
4	20.87	20.65	20.08	20.24	20.33	---	---	---	20.35	20.80	21.09	21.19
5	20.89	20.65	20.10	20.24	20.35	---	---	---	20.35	20.79	21.11	21.21
6	20.88	20.64	20.10	20.24	20.36	---	---	---	20.40	20.80	21.10	21.23
7	20.86	20.64	20.10	20.26	---	---	---	---	20.42	20.82	21.12	21.24
8	20.87	20.59	20.13	20.18	---	---	---	---	20.44	20.84	21.13	21.24
9	20.88	20.51	20.14	20.13	---	---	---	---	20.46	20.86	21.14	21.26
10	20.90	20.48	20.15	20.14	---	---	---	---	20.49	20.88	21.15	21.26
11	20.89	20.46	20.16	20.15	---	---	---	---	20.51	20.89	21.15	21.26
12	20.81	20.45	20.18	20.14	---	---	---	---	20.52	20.91	21.16	21.27
13	20.81	20.39	20.17	20.13	---	---	---	---	20.53	20.92	21.17	21.29
14	20.82	20.30	20.18	20.13	---	---	---	---	20.54	20.94	21.19	21.29
15	20.84	20.25	20.19	20.11	---	---	---	---	20.56	20.95	21.20	21.30
16	20.86	20.20	20.22	20.12	---	---	---	20.06	20.57	20.97	21.22	21.31
17	20.84	20.16	20.23	20.16	---	---	---	20.08	20.59	20.99	21.23	21.32
18	20.77	20.13	20.25	20.14	---	---	---	20.09	20.61	20.99	21.23	21.33
19	20.75	20.10	20.27	20.12	---	---	---	20.10	20.63	20.97	21.23	21.34
20	20.73	20.09	20.28	20.14	---	---	---	20.12	20.64	20.99	21.16	21.34
21	20.71	20.09	20.29	20.16	---	---	---	20.15	20.65	21.01	21.11	21.35
22	20.70	20.08	20.30	20.15	---	---	---	20.17	20.67	21.03	21.05	21.36
23	20.70	20.05	20.25	20.17	---	---	---	20.19	20.69	21.01	21.02	21.37
24	20.70	20.01	20.29	20.18	---	---	---	20.21	20.71	20.99	21.02	21.38
25	20.71	19.99	20.28	20.19	---	---	---	20.23	20.73	21.01	21.03	21.39
26	20.72	20.00	20.24	20.21	---	---	---	20.25	20.74	21.03	21.04	21.40
27	20.71	20.01	20.29	20.21	---	---	---	20.27	20.70	21.04	21.06	21.41
28	20.66	20.02	20.31	20.22	---	---	---	20.29	20.69	21.05	21.07	21.42
29	20.65	20.03	20.33	20.25	---	---	---	20.31	20.70	21.05	21.09	21.43
30	20.64	20.03	20.34	20.26	---	---	---	20.33	20.72	21.01	21.10	21.44
31	20.63	---	20.35	20.28	---	---	---	20.35	---	21.00	21.12	---
Mean	20.79	20.30	20.21	20.19	---	---	---	---	20.56	20.93	21.12	21.30
Max	20.90	20.65	20.35	20.31	---	---	---	---	20.74	21.05	21.23	21.44
Min	20.63	19.99	20.03	20.11	---	---	---	---	20.35	20.75	21.02	21.14

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