Water-Data Report 2006

393013075152802 Local number 111212 UDMW03 NJ Permit Number 34-07098

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation

Cumberland County, NJ

LOCATION.--Lat 39°30'13.0", long 75°15'28.4" referenced to North American Datum of 1983, Upper Deerfield Twp, Cumberland County, NJ, Hydrologic Unit 02040206, near intersection of Harmony Rd. and Cake Rd.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 25 ft. Upper casing diameter 2 in; top of first opening 20 ft, bottom of last opening 25 ft. Drilled observation well.

DATUM.--Land-surface datum is 73.66 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 3.87 ft above land-surface datum, Oct. 25, 2003, to present.

PERIOD OF RECORD.--Oct. 2003 to current year.

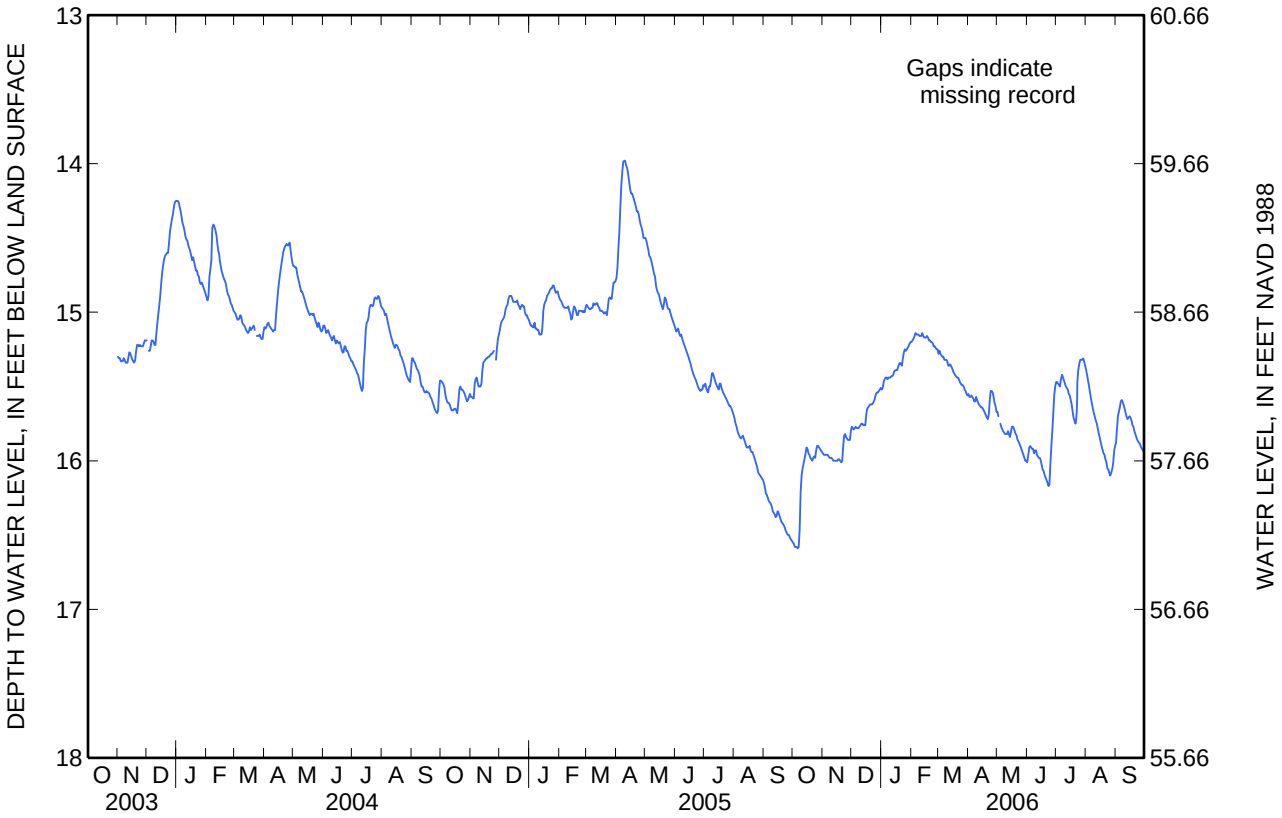
GAGE.--Submersible logger pressure transducer--60-minute recording interval.

REMARKS.--Data is collected for the Unsaturated Zone Project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.97 ft below land surface, Apr. 9-10, 2005, Jan. 1-2, 2004; lowest, 16.59 ft below land surface, Oct. 5-7, 2005.

393013075152802 Local number 111212 UDMW03 NJ Permit Number 34-07098—Continued

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	16.55	15.95	15.77	15.52	15.20	15.28	15.55	15.67	16.01	15.47	15.39	15.88
2	16.56	15.96	15.78	15.51	15.19	15.26	15.57	15.70	15.96	15.47	15.42	15.79
3	16.58	15.96	15.79	15.47	15.18	15.28	15.57	---	15.91	15.48	15.46	15.70
4	16.58	15.96	15.78	15.45	15.16	15.29	15.56	15.75	15.90	15.49	15.49	15.67
5	16.58	15.96	15.77	15.44	15.14	15.30	15.57	15.77	15.91	15.50	15.53	15.64
6	16.59	15.96	15.78	15.44	15.15	15.30	15.58	15.79	15.92	15.45	15.58	15.60
7	16.58	15.97	15.78	15.45	15.15	15.32	15.60	15.80	15.92	15.42	15.61	15.59
8	16.46	15.98	15.78	15.44	15.15	15.32	15.60	15.81	15.95	15.44	15.65	15.61
9	16.21	15.98	15.77	15.44	15.16	15.32	15.57	15.82	15.93	15.46	15.68	15.62
10	16.10	15.98	15.76	15.44	15.16	15.33	15.59	15.82	15.93	15.48	15.70	15.65
11	16.05	15.99	15.75	15.43	15.16	15.36	15.61	15.82	15.96	15.50	15.73	15.68
12	16.02	16.00	15.75	15.43	15.14	15.36	15.62	15.80	15.97	15.51	15.75	15.70
13	15.99	16.00	15.76	15.42	15.16	15.35	15.63	15.82	15.98	15.52	15.78	15.72
14	15.94	16.00	15.76	15.40	15.17	15.36	15.64	15.84	15.98	15.55	15.82	15.71
15	15.91	16.00	15.76	15.39	15.17	15.38	15.64	15.81	16.00	15.56	15.84	15.70
16	15.92	16.00	15.69	15.39	15.17	15.40	15.65	15.77	16.03	15.59	15.87	15.71
17	15.95	15.99	15.65	15.39	15.16	15.41	15.66	15.77	16.06	15.62	15.90	15.73
18	15.96	15.99	15.64	15.37	15.17	15.42	15.68	15.78	16.07	15.67	15.93	15.76
19	15.98	16.00	15.63	15.35	15.19	15.43	15.69	15.80	16.10	15.71	15.95	15.77
20	15.99	16.01	15.62	15.34	15.19	15.44	15.71	15.82	16.11	15.73	15.96	15.80
21	16.00	16.00	15.62	15.35	15.20	15.44	15.72	15.83	16.13	15.75	15.99	15.82
22	15.98	15.90	15.62	15.36	15.20	15.45	15.69	15.86	16.15	15.69	16.01	15.84
23	15.97	15.83	15.61	15.31	15.21	15.47	15.59	15.87	16.17	15.48	16.05	15.86
24	15.98	15.82	15.60	15.27	15.23	15.48	15.53	15.89	16.16	15.38	16.06	15.87
25	15.93	15.84	15.58	15.25	15.23	15.49	15.53	15.90	16.02	15.34	16.08	15.88
26	15.90	15.85	15.55	15.26	15.24	15.49	15.54	15.92	15.90	15.32	16.10	15.89
27	15.90	15.86	15.54	15.25	15.25	15.50	15.57	15.94	15.80	15.32	16.08	15.91
28	15.91	15.86	15.54	15.24	15.25	15.52	15.61	15.96	15.68	15.32	16.05	15.92
29	15.92	15.86	15.53	15.23	---	15.53	15.63	15.98	15.56	15.31	16.03	15.93
30	15.93	15.80	15.52	15.21	---	15.55	15.67	16.00	15.50	15.33	15.94	15.94
31	15.94	---	15.51	15.20	---	15.56	---	16.00	---	15.36	15.90	---
Mean	16.12	15.94	15.68	15.37	15.18	15.40	15.61	---	15.96	15.49	15.82	15.76
Max	16.59	16.01	15.79	15.52	15.25	15.56	15.72	---	16.17	15.75	16.10	15.94
Min	15.90	15.80	15.51	15.20	15.14	15.26	15.53	---	15.50	15.31	15.39	15.59

393013075152802 Local number 111212 UDMW03 NJ Permit Number 34-07098—Continued