Water-Data Report 2006

394138074453202 Local number 011505 AB OW-2S

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation

Atlantic County, NJ

LOCATION.--Lat 39°41'37.9", long 74°45'31.6" referenced to North American Datum of 1983, Hammonton Town, Atlantic County, NJ, Hydrologic Unit 02040301, about 700 ft west of Rt. 206, in Wharton State Forest.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 50 ft. Upper casing diameter 2 in; top of first opening 40 ft, bottom of last opening 50 ft. Drilled water-table observation well.

DATUM.--Land-surface datum is 55.54 ft above North American Vertical Datum of 1988. Measuring point: Top of casing, 1.7 ft above land-surface datum, Sep. 13, 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 AB OW-2M (011506) and AB OW-2D (011504) 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, 1.74 ft below land surface, Apr. 3, 2005; lowest, 4.37 ft below land surface, Oct. 2, 2005.

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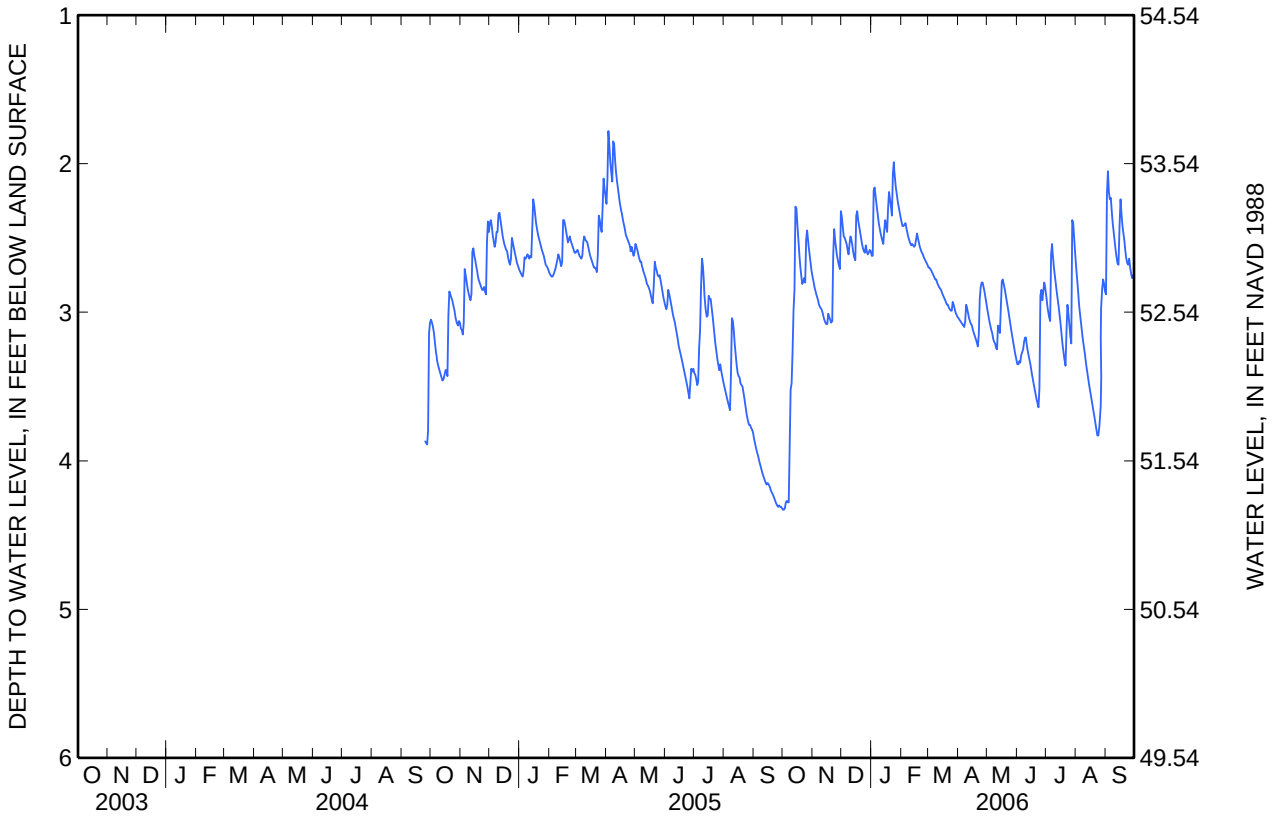
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.33	2.77	2.36	2.62	2.39	2.70	3.04	2.99	3.35	2.89	2.69	2.88
2	4.33	2.81	2.43	2.62	2.42	2.70	3.05	3.02	3.35	2.95	2.77	2.20
3	4.32	2.84	2.49	2.18	2.42	2.71	3.06	3.06	3.33	2.99	2.85	2.05
4	4.28	2.86	2.50	2.16	2.41	2.72	3.07	3.09	3.34	3.04	2.93	2.19
5	4.27	2.89	2.52	2.22	2.40	2.74	3.08	3.12	3.29	3.06	3.01	2.24
6	4.28	2.91	2.54	2.28	2.44	2.75	3.09	3.14	3.27	2.61	3.08	2.23
7	4.28	2.94	2.58	2.34	2.47	2.76	3.10	3.18	3.25	2.54	3.13	2.32
8	3.90	2.96	2.61	2.38	2.49	2.78	3.06	3.20	3.20	2.64	3.18	2.40
9	3.52	2.97	2.54	2.42	2.52	2.78	2.95	3.21	3.17	2.70	3.24	2.46
10	3.48	2.98	2.49	2.47	2.54	2.80	2.97	3.24	3.17	2.76	3.28	2.52
11	3.27	3.00	2.51	2.49	2.55	2.82	3.01	3.25	3.22	2.82	3.33	2.58
12	2.99	3.03	2.56	2.52	2.54	2.83	3.04	3.09	3.27	2.87	3.38	2.63
13	2.85	3.05	2.60	2.54	2.55	2.84	3.06	3.10	3.31	2.92	3.43	2.67
14	2.29	3.07	2.63	2.45	2.56	2.85	3.08	3.14	3.33	2.97	3.48	2.68
15	2.30	3.08	2.65	2.38	2.55	2.87	3.09	2.96	3.36	3.03	3.51	2.41
16	2.41	3.08	2.35	2.42	2.51	2.89	3.12	2.79	3.41	3.09	3.55	2.24
17	2.52	3.01	2.32	2.46	2.47	2.90	3.14	2.78	3.45	3.16	3.59	2.34
18	2.62	3.03	2.38	2.30	2.50	2.92	3.16	2.82	3.48	3.22	3.63	2.42
19	2.70	3.05	2.42	2.19	2.54	2.93	3.18	2.84	3.52	3.28	3.66	2.47
20	2.76	3.07	2.46	2.24	2.56	2.95	3.21	2.87	3.55	3.32	3.71	2.52
21	2.81	3.06	2.50	2.29	2.58	2.95	3.23	2.91	3.59	3.36	3.75	2.59
22	2.79	2.62	2.54	2.35	2.60	2.97	3.15	2.96	3.61	3.13	3.80	2.64
23	2.77	2.44	2.57	2.07	2.61	2.98	2.91	3.01	3.64	2.95	3.83	2.67
24	2.80	2.51	2.59	1.99	2.63	2.99	2.83	3.06	3.51	3.01	3.83	2.68
25	2.51	2.58	2.60	2.07	2.64	2.99	2.80	3.10	2.89	3.08	3.79	2.64
26	2.45	2.62	2.55	2.15	2.66	2.93	2.80	3.13	2.85	3.16	3.67	2.70
27	2.51	2.65	2.59	2.22	2.67	2.95	2.83	3.17	2.92	3.21	3.37	2.74
28	2.58	2.69	2.61	2.26	2.68	2.98	2.87	3.21	2.86	2.38	2.84	2.77
29	2.64	2.71	2.60	2.29	---	3.00	2.90	3.25	2.80	2.40	2.78	2.75
30	2.70	2.32	2.58	2.32	---	3.02	2.94	3.29	2.83	2.50	2.81	2.78
31	2.74	---	2.59	2.35	---	3.03	---	3.32	---	2.60	2.86	---
Mean	3.13	2.85	2.52	2.32	2.53	2.87	3.03	3.07	3.27	2.92	3.31	2.51
Max	4.33	3.08	2.65	2.62	2.68	3.03	3.23	3.32	3.64	3.36	3.83	2.88
Min	2.29	2.32	2.32	1.99	2.39	2.70	2.80	2.78	2.80	2.38	2.69	2.05

	Water Year 2006
Mean	2.87
High	1.99
Low	4.33

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