Water-Data Report 2006

391828075120902 Local number 110096 Jones Island 2 Obs NJ Permit Number 34-00852

Northern Atlantic Coastal Plain aquifer system
Piney Point Formation

Cumberland County, NJ

LOCATION.--Lat 39°18′29″, long 75°12′08″ referenced to North American Datum of 1927, Lawrence Township, Cumberland County, NJ, Hydrologic Unit 02040206, in Nantuxent Wildlife Management Area, about 1.7 mi south of Cedarville.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 375 ft. Upper casing diameter 4 in; top of first opening 365 ft, bottom of last opening 375 ft. Drilled artesian well.

DATUM.--Land-surface datum is 10.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 1.9 ft above land-surface datum, Nov. 22, 1988, to present.

PERIOD OF RECORD.--Mar. 1972 to current year.

GAGE.—Submersible logger pressure transducer—60 minute recording interval. Water-level recorder, Mar. 1977 to Mar. 2006. Periodic measurements, Mar. 1972 to Mar. 1977.

REMARKS.--Water level is affected by tidal fluctuation and regional pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.27 ft below land surface, Apr. 11, 1972; lowest, 63.39 ft below land surface, Sept. 30, 2006.

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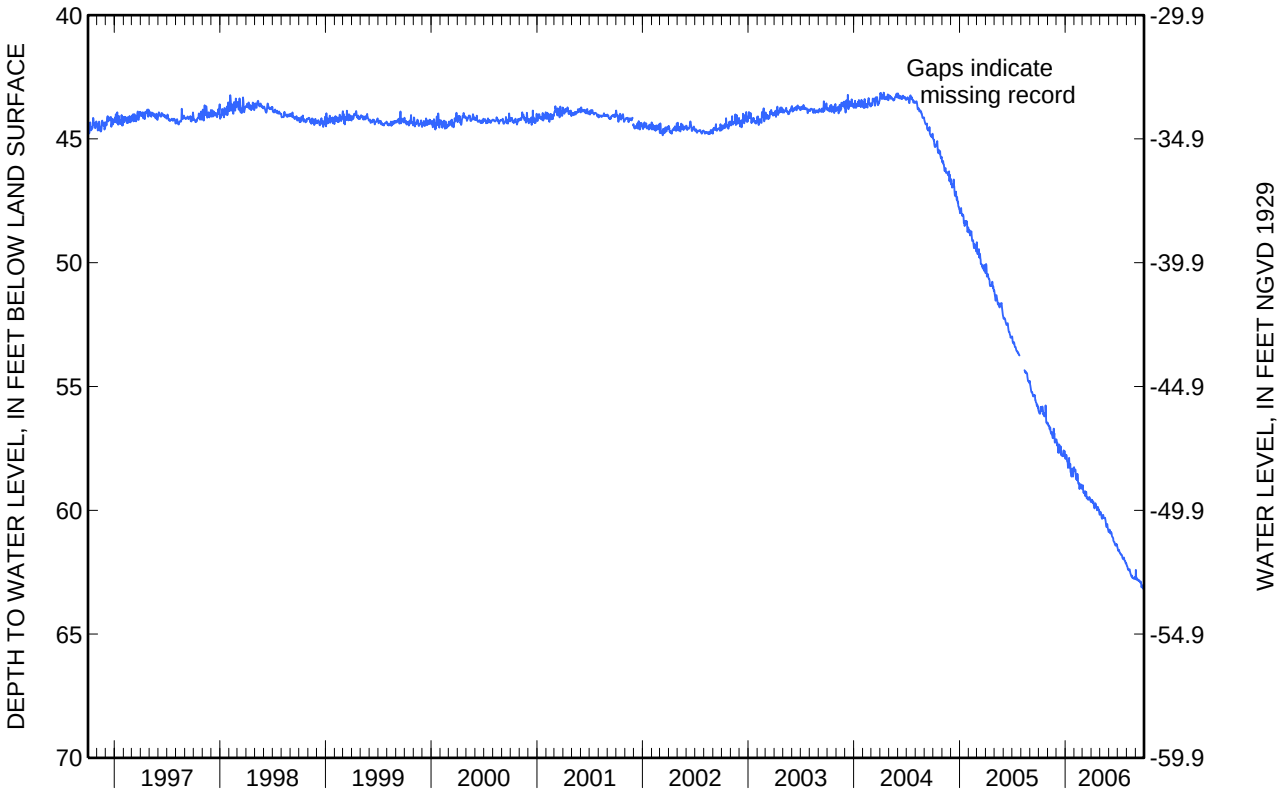
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	56.00	56.46	57.13	57.90	58.42	59.09	59.57	60.15	60.87	61.55	62.21	62.69
2	56.05	56.53	57.16	57.93	58.40	58.98	59.66	60.05	60.84	61.58	62.25	62.41
3	56.08	56.58	57.38	57.75	58.35	59.13	59.59	60.08	60.78	61.64	62.26	62.69
4	56.09	56.59	57.27	57.77	58.37	59.26	59.58	60.12	60.84	61.62	62.30	62.81
5	56.10	56.59	57.35	57.77	58.36	59.30	59.65	60.14	60.89	61.60	62.37	62.77
6	56.10	56.57	57.36	57.88	58.63	59.25	59.71	60.17	60.94	61.59	62.41	62.75
7	56.02	56.69	57.56	58.01	58.74	59.30	59.64	60.32	60.87	61.67	62.40	62.78
8	55.82	56.73	57.68	58.04	58.74	59.33	59.66	60.34	60.90	61.71	62.41	62.79
9	55.95	56.66	57.46	58.05	58.74	59.25	59.76	60.32	60.89	61.71	62.43	62.80
10	55.99	56.65	57.49	58.29	58.79	59.23	59.82	60.25	60.94	61.74	62.38	62.83
11	55.97	56.81	57.34	58.21	58.73	59.43	59.89	60.24	61.02	61.77	62.38	62.86
12	55.96	56.87	57.42	58.19	58.53	59.40	59.92	60.18	61.06	61.79	62.43	62.83
13	55.84	56.88	57.60	58.15	58.70	59.30	59.87	60.28	61.09	61.78	62.50	62.83
14	55.81	56.93	57.68	57.88	58.86	59.25	59.82	60.32	61.09	61.79	62.52	62.83
15	55.89	56.91	57.58	58.16	58.93	59.44	59.71	60.31	61.12	61.80	62.57	62.87
16	55.99	56.84	57.42	58.23	58.93	59.52	59.76	60.30	61.20	61.84	62.63	62.91
17	56.14	56.99	57.73	58.28	58.90	59.47	59.79	60.32	61.25	61.89	62.66	62.92
18	56.08	57.08	57.78	58.12	59.03	59.50	59.87	60.30	61.27	61.93	62.68	62.91
19	56.12	57.08	57.74	58.46	59.14	59.54	59.88	60.35	61.28	61.96	62.66	62.88
20	56.19	57.09	57.77	58.48	59.05	59.57	59.92	60.43	61.29	61.97	62.64	62.95
21	56.21	57.00	57.80	58.45	58.99	59.52	60.00	60.47	61.36	61.94	62.73	63.10
22	56.07	56.70	57.82	58.64	59.01	59.56	59.91	60.61	61.38	61.91	62.74	63.11
23	56.18	56.95	57.80	58.40	58.94	---	59.86	60.67	61.41	61.91	62.73	63.05
24	56.19	56.89	57.79	58.33	59.09	59.55	59.88	60.68	61.43	62.00	62.74	63.03
25	55.76	57.24	57.67	58.31	59.09	59.46	59.92	60.63	61.38	62.04	62.75	63.10
26	56.14	57.27	57.58	58.59	59.13	59.48	59.98	60.55	61.37	62.04	62.77	63.16
27	56.43	57.26	57.82	58.64	59.11	59.57	59.97	60.61	61.40	62.06	62.75	63.15
28	56.47	57.23	57.77	58.58	59.08	59.57	60.09	60.76	61.37	62.11	62.74	63.07
29	56.45	57.14	57.60	58.45	---	59.61	60.15	60.80	61.44	62.15	62.70	63.16
30	56.50	57.13	57.78	58.35	---	59.66	60.18	60.83	61.49	62.13	62.72	63.25
31	56.51	---	57.78	58.26	---	59.64	---	60.88	---	62.16	62.78	---
Mean	56.10	56.88	57.58	58.21	58.81	---	59.83	60.40	61.15	61.85	62.56	62.91
Max	56.51	57.27	57.82	58.64	59.14	---	60.18	60.88	61.49	62.16	62.78	63.25
Min	55.76	56.46	57.13	57.75	58.35	---	59.57	60.05	60.78	61.55	62.21	62.41

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