Water-Data Report 2010

395928074502701 Local number 051476 Rancocas St Pk MW 3 NJ Permit Number 31-55694

Northern Atlantic Coastal Plain aquifer system
Englishtown Formation

Burlington County, NJ

LOCATION.--Lat 39°59′28″, long 74°50′27″ referenced to North American Datum of 1927, Hainesport Township, Burlington County, NJ, Hydrologic Unit 02040202, Rancocas State Park.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 14 ft. Upper casing diameter 2 in; top of first opening 9 ft, bottom of last opening 14 ft. Drilled water-table observation well.

DATUM.--Land-surface datum is 17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of protective casing, 2.30 ft above land-surface datum, Jun 5, 2003, to present.

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

GAGE.--Data collection platform with satellite telemetry--60 minute recording interval. Submersible logger pressure transducer, June 2003 to May 2005.

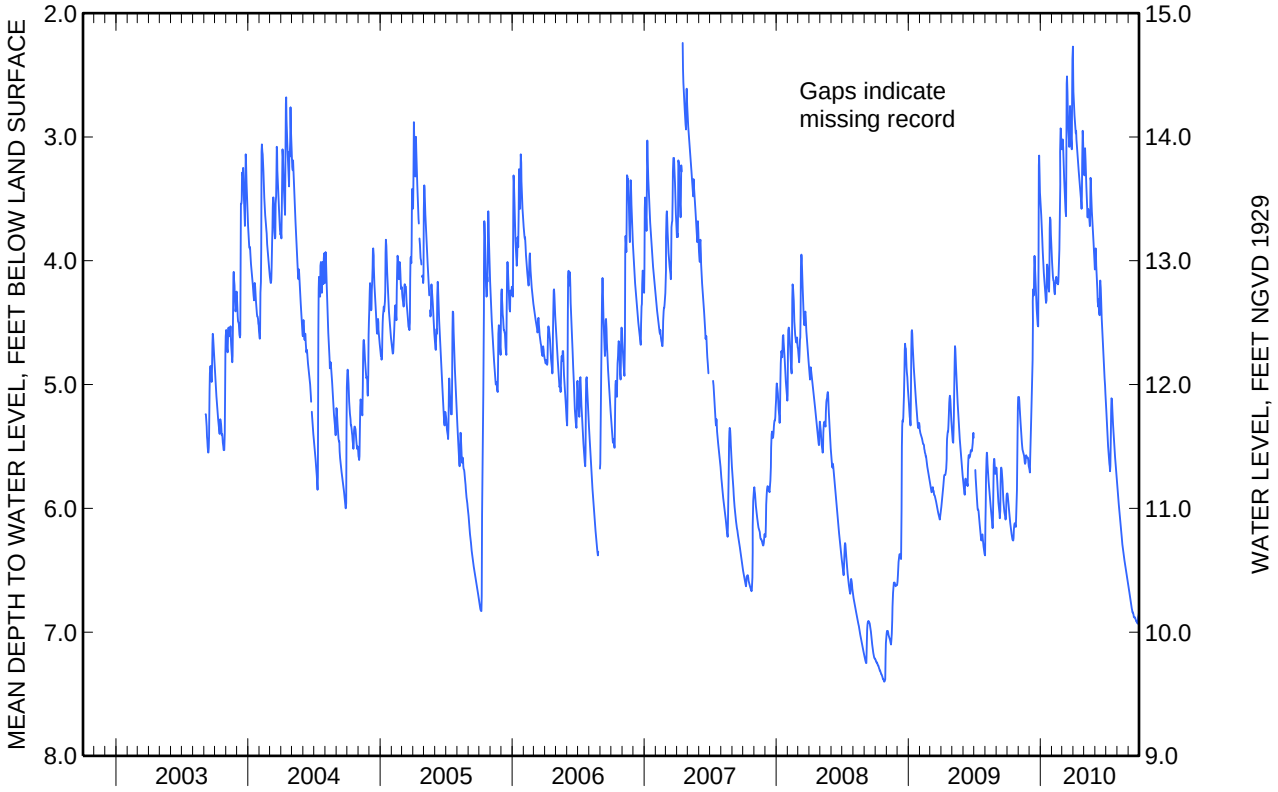
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.66 ft below land surface, Apr 16, 2007; lowest, 7.40 ft below land surface, Oct 25, 26, 27, 28, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level, 2.07 ft below land surface datum, Mar 30, 31; lowest water level, 6.94 ft below land surface datum, Sept 26, 27.

395928074502701 Local number 051476 Rancocas St Pk MW 3 NJ Permit Number 31-55694—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.88	5.10	5.69	3.55	3.99	3.10	2.54	3.24	4.06	5.19	5.83	6.64
2	5.90	5.10	5.71	3.58	4.04	3.04	2.66	3.31	3.90	5.24	5.85	6.66
3	5.93	5.13	5.59	3.65	4.08	3.02	2.73	3.21	3.94	5.29	5.88	6.67
4	5.96	5.18	5.43	3.74	4.13	3.08	2.80	3.09	4.05	5.35	5.91	6.69
5	6.00	5.23	5.34	3.81	4.16	3.17	2.85	3.19	4.13	5.40	5.95	6.72
6	6.04	5.29	5.26	3.88	4.16	3.26	2.88	3.27	4.18	5.46	5.99	6.73
7	6.07	5.34	5.14	3.94	4.21	3.33	2.92	3.38	4.26	5.52	6.03	6.75
8	6.11	5.39	5.07	3.99	4.25	3.40	2.97	3.42	4.33	5.57	6.06	6.77
9	6.12	5.43	4.84	4.06	4.27	3.47	2.95	3.52	4.37	5.61	6.10	6.79
10	6.15	5.47	4.33	4.11	4.21	3.54	3.02	3.60	4.31	5.64	6.14	6.81
11	6.17	5.50	4.23	4.15	4.18	3.60	3.05	3.65	4.38	5.66	6.18	6.82
12	6.20	5.53	4.27	4.19	4.17	3.64	3.11	3.58	4.43	5.70	6.20	6.84
13	6.21	5.54	4.28	4.24	4.13	3.17	3.17	3.59	4.44	5.66	6.23	6.84
14	6.24	5.55	4.06	4.27	4.15	2.57	3.19	3.64	4.19	5.42	6.26	6.85
15	6.25	5.56	3.96	4.31	4.18	2.51	3.22	3.62	4.16	5.21	6.29	6.86
16	6.26	5.58	4.02	4.34	4.17	2.64	3.25	3.67	4.22	5.11	6.31	6.88
17	6.26	5.60	4.11	4.32	4.18	2.78	3.29	3.72	4.30	5.12	6.34	6.88
18	6.24	5.63	4.19	4.12	4.19	2.86	3.34	3.61	4.40	5.19	6.36	6.88
19	6.17	5.64	4.24	4.03	4.17	2.95	3.39	3.33	4.47	5.26	6.38	6.88
20	6.13	5.63	4.33	4.05	4.07	3.02	3.43	3.36	4.53	5.30	6.41	6.89
21	6.12	5.58	4.39	4.11	3.97	3.08	3.47	3.48	4.60	5.35	6.44	6.90
22	6.12	5.57	4.44	4.14	3.87	3.04	3.48	3.58	4.67	5.40	6.45	6.91
23	6.14	5.58	4.48	4.22	3.71	2.75	3.53	3.63	4.72	5.45	6.47	6.91
24	6.15	5.59	4.52	4.25	3.12	2.87	3.58	3.68	4.78	5.50	6.48	6.92
25	6.08	5.59	4.53	4.12	2.93	2.94	3.48	3.73	4.84	5.55	6.49	6.92
26	5.97	5.59	4.04	3.74	2.94	3.00	3.20	3.78	4.90	5.60	6.51	6.93
27	5.89	5.59	3.23	3.65	3.03	3.08	2.95	3.85	4.95	5.64	6.53	6.93
28	5.74	5.63	3.15	3.67	3.09	3.10	3.00	3.91	5.01	5.68	6.55	6.88
29	5.36	5.66	3.32	3.77	---	2.67	3.10	3.95	5.07	5.72	6.57	6.86
30	5.18	5.67	3.45	3.84	---	2.37	3.17	4.01	5.13	5.76	6.59	6.84
31	5.10	---	3.53	3.91	---	2.27	---	4.07	---	5.80	6.61	---
Mean	6.00	5.48	4.42	3.99	3.92	3.01	3.12	3.57	4.46	5.46	6.27	6.83
Max	6.26	5.67	5.71	4.34	4.27	3.64	3.58	4.07	5.13	5.80	6.61	6.93
Min	5.10	5.10	3.15	3.55	2.93	2.27	2.54	3.09	3.90	5.11	5.83	6.64

	Water Year 2010
Mean	4.72
High	2.27
Low	6.93

395928074502701 Local number 051476 Rancocas St Pk MW 3 NJ Permit Number 31-55694—Continued