Water-Data Report 2010

392731075092401 Local number 110042 Vocational School 2 Obs NJ Permit Number 35-01145

Northern Atlantic Coastal Plain aquifer system
Cohansey Sand-Kirkwood Formation

Cumberland County, NJ

LOCATION.--Lat 39°27′32″, long 75°09′29″ referenced to North American Datum of 1927, Deerfield Township, Cumberland County, NJ, Hydrologic Unit 02040206, next to the Cumberland County Technical Education Center, Bridgeton Ave.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 47 ft. Upper casing diameter 4 in; top of first opening 42 ft, bottom of last opening 47 ft. Drilled water-table well.

DATUM.--Land-surface datum is 81.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum, May 14, 2001, to present.

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

GAGE.--Data collection platform with satellite telemetry--15 minute recording interval. Submersible logger pressure transducer, July 2000 to May 2001. Water-level recorder, July 1987 to July 2000. Periodic measurements, March 1972 to July 1987.

REMARKS.--Water level is occasionally affected by pumping from nearby irrigation well.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.13 ft below land surface, Mar 31, 2010; lowest, 10.23 ft below land surface, Oct 10, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 2.13 ft below land surface datum, Mar 31; lowest water level, 6.44 ft below land surface datum, Oct 14.

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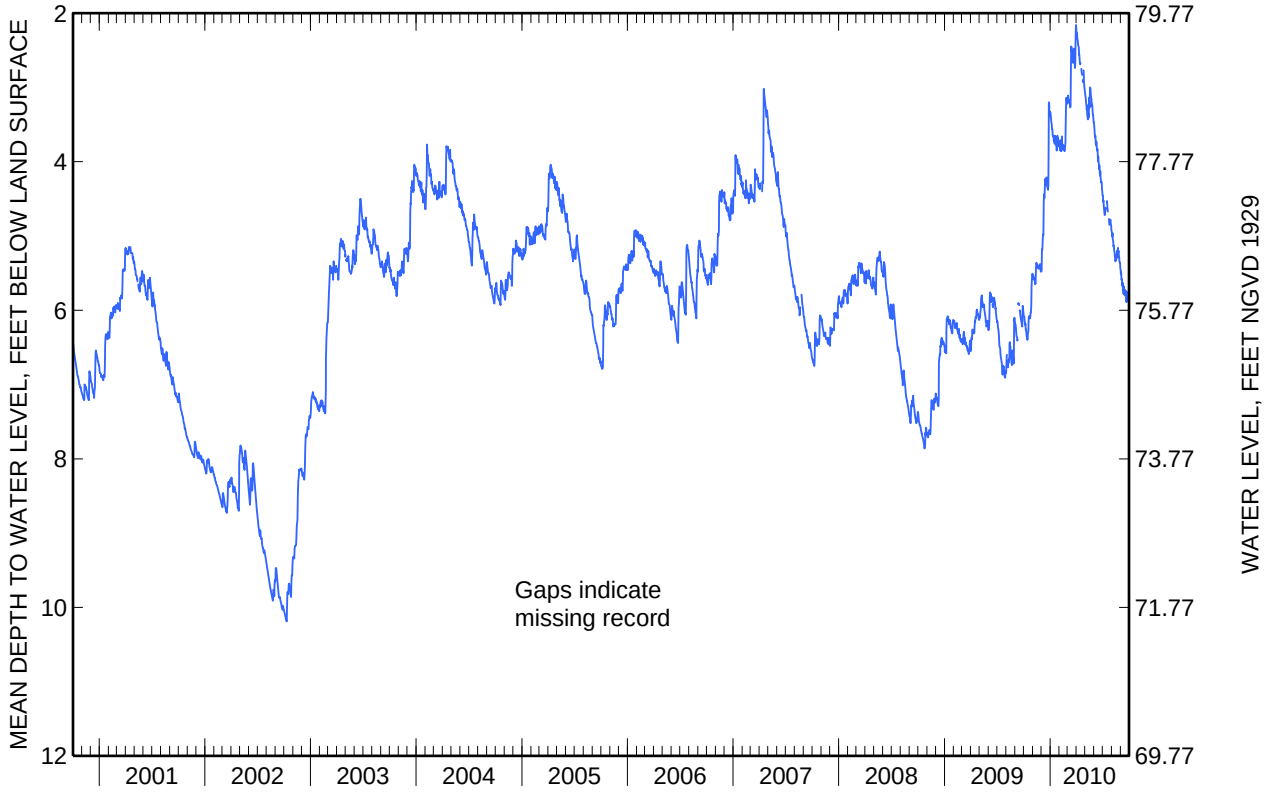
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.07	5.53	5.48	3.33	3.80	3.22	2.23	3.06	3.47	4.46	4.94	5.46
2	6.08	5.52	5.45	3.36	3.78	3.16	2.27	3.09	3.53	4.46	4.95	5.51
3	6.09	5.54	5.18	3.40	3.79	3.11	2.27	3.12	3.55	4.54	5.01	5.49
4	6.12	5.58	5.19	3.46	3.85	3.16	2.34	3.17	3.63	4.52	4.96	5.59
5	6.17	5.56	5.10	3.48	3.80	3.19	2.36	3.22	3.67	4.58	5.05	5.58
6	6.20	5.59	5.03	3.52	3.71	3.20	2.38	3.25	3.65	4.64	5.06	5.61
7	6.18	5.58	4.98	3.56	3.83	3.17	2.42	3.30	3.75	4.68	5.14	5.67
8	6.27	5.60	4.99	3.56	3.86	3.18	2.45	3.24	3.78	4.72	5.13	5.63
9	6.26	5.65	4.55	3.64	3.84	3.22	2.46	3.37	3.73	4.71	5.15	5.72
10	6.29	5.63	4.44	3.66	3.66	3.23	2.56	3.40	3.73	4.69	5.21	5.72
11	6.35	5.64	4.49	3.65	3.81	3.27	2.55	3.43	3.82	4.62	5.22	5.78
12	6.36	5.49	4.49	3.67	3.82	3.23	2.61	3.34	3.85	4.64	5.28	5.71
13	6.35	5.37	4.34	3.72	3.77	2.73	2.67	3.41	3.83	---	5.29	5.68
14	6.40	5.36	4.23	3.73	3.82	2.45	2.69	3.36	3.87	---	5.34	5.74
15	6.34	5.37	4.23	3.74	3.83	2.46	2.67	3.14	3.99	4.55	5.32	5.80
16	6.30	5.39	4.30	3.76	3.79	2.52	---	3.21	3.93	4.53	5.25	5.80
17	6.29	5.42	4.31	3.65	3.82	2.55	---	3.27	4.01	4.62	5.32	5.73
18	6.11	5.43	4.29	3.66	3.84	2.55	2.75	3.00	4.03	4.63	---	5.78
19	6.08	5.40	4.21	3.70	3.86	2.61	2.79	---	4.10	4.67	---	5.74
20	6.09	5.40	4.31	3.75	3.83	2.65	2.82	3.01	4.05	---	5.20	5.80
21	6.10	5.42	4.33	3.78	3.79	2.67	2.83	3.08	4.14	---	5.29	5.89
22	6.09	5.44	4.35	3.76	3.74	2.58	---	3.14	4.19	---	5.20	5.83
23	6.11	5.44	4.36	3.85	3.55	2.48	2.90	3.15	4.13	4.77	5.16	5.87
24	6.07	5.41	4.38	3.79	3.30	2.62	2.93	3.19	4.20	4.85	5.22	5.81
25	6.03	5.39	4.33	3.65	3.14	2.60	---	3.25	4.24	---	5.20	5.83
26	6.03	5.38	3.73	3.68	3.15	2.62	2.77	3.23	4.28	---	5.27	5.87
27	5.96	5.38	3.20	3.72	3.21	2.74	2.87	3.29	4.27	4.80	5.29	5.82
28	5.68	5.45	3.22	3.69	3.21	2.69	2.95	3.37	4.29	4.78	5.34	5.75
29	5.60	5.48	3.36	3.76	---	2.39	3.01	3.37	4.37	4.83	5.36	5.78
30	5.55	5.44	3.39	3.72	---	2.20	3.03	3.41	4.40	4.85	5.36	5.70
31	5.51	---	3.34	3.76	---	2.16	---	3.47	---	4.92	5.44	---
Mean	6.10	5.48	4.37	3.65	3.69	2.79	2.64	3.24	3.95	4.67	5.21	5.72
Max	6.40	5.65	5.48	3.85	3.86	3.27	3.03	3.47	4.40	4.92	5.44	5.89
Min	5.51	5.36	3.20	3.33	3.14	2.16	2.23	3.00	3.47	4.46	4.94	5.46

	Water Year 2010
Mean	4.31
High	2.16
Low	6.40

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