Water-Data Report 2009

394904074253601 Local number 051391 Coyle 2 Obs (OW96) NJ Permit Number 32-21805

Northern Atlantic Coastal Plain aquifer system
Magothy-Raritan-Potomac Aquifer System, Upper Aquifer

Burlington County, NJ

LOCATION.--Lat 39°49′04″, long 74°25′36″ referenced to North American Datum of 1927, Woodland Township, Burlington County, NJ, Hydrologic Unit 02040301, at the State Forest Fire Service installation, Coyle Field.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,441 ft. Upper casing diameter 4 in; top of first opening 1,416 ft, bottom of last opening 1,436 ft. Drilled artesian well.

DATUM.--Land-surface datum is 186.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 4.00 ft above land-surface datum, Jul 17, 1997, to present.

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Water-level recorder--60 minute-recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 207.75 ft below land surface, May 25, 2000; lowest, 223.38 ft below land surface, Dec 8-9, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level, 220.57 ft below land surface datum, Oct 1; lowest water level, 223.38 ft below land surface datum, Dec 8, 9.

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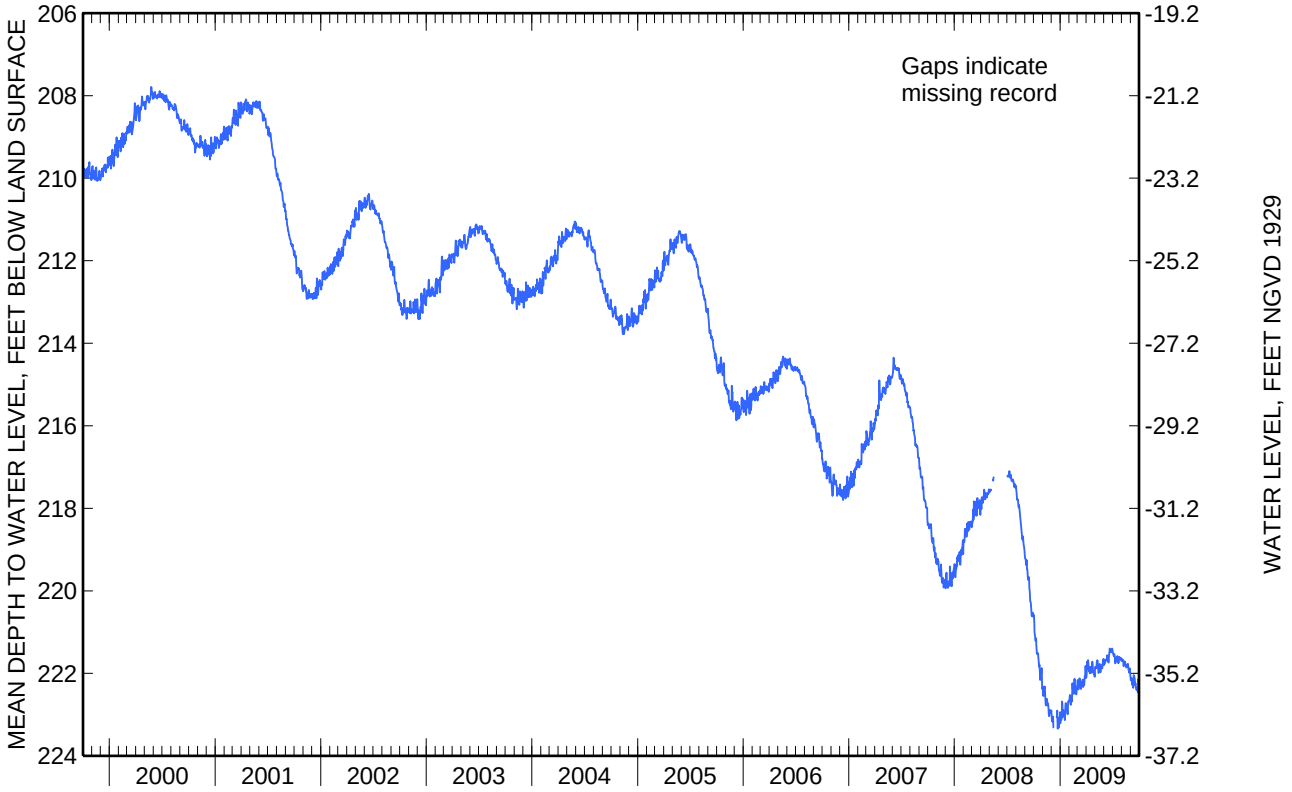
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	220.58	222.35	222.90	223.21	222.65	222.28	222.10	221.90	221.80	221.48	221.70	222.13
2	220.65	222.48	223.03	223.08	222.61	222.16	222.02	221.84	221.77	221.50	221.66	222.17
3	220.81	222.55	223.16	223.09	222.52	222.31	221.72	221.87	221.77	221.54	221.66	222.14
4	221.00	222.53	223.13	223.13	222.59	222.38	221.76	221.87	221.76	221.56	221.69	222.11
5	221.07	222.46	223.17	223.08	222.73	222.39	221.88	221.88	221.70	221.58	221.67	222.17
6	221.13	222.32	223.16	223.08	222.76	222.24	221.71	221.86	221.67	221.54	221.71	222.27
7	221.21	222.36	223.05	222.68	222.68	222.20	221.68	221.73	221.70	221.53	221.74	222.28
8	221.18	222.32	223.31	222.73	222.55	222.12	221.78	221.74	221.69	221.59	221.83	222.22
9	221.15	222.39	---	222.97	222.69	222.13	221.89	221.68	221.66	221.71	221.77	222.25
10	221.29	222.56	---	223.05	222.60	222.33	221.94	221.75	221.65	221.76	221.72	222.35
11	221.42	222.71	---	222.89	222.42	222.19	221.86	221.85	221.65	221.72	221.71	222.10
12	221.53	222.78	---	223.00	222.24	222.35	221.97	221.89	221.56	221.62	221.72	222.04
13	221.52	222.71	---	222.96	222.39	222.38	222.00	221.99	221.59	221.62	221.72	222.05
14	221.51	222.64	---	222.95	222.42	222.30	221.90	221.97	221.62	221.66	221.78	222.09
15	221.51	222.63	---	223.01	222.44	222.24	221.84	221.88	221.65	221.70	221.80	222.12
16	221.51	222.62	---	223.13	222.46	222.27	221.96	221.82	221.72	221.61	221.83	222.22
17	221.62	222.70	---	223.13	222.50	222.26	221.99	221.77	221.74	221.58	221.86	222.28
18	221.70	222.72	---	222.87	222.32	222.23	221.88	221.87	221.60	221.60	221.85	222.24
19	221.82	222.78	223.06	222.73	222.13	222.15	221.88	221.97	221.52	221.72	221.79	222.31
20	221.84	222.75	223.04	222.72	222.29	222.23	221.87	221.97	221.46	221.75	221.80	222.38
21	221.79	222.82	222.90	222.82	222.45	222.33	221.72	221.93	221.40	221.73	221.80	222.40
22	221.95	222.98	223.09	222.87	222.34	222.27	221.72	221.86	221.43	221.74	221.77	222.40
23	222.16	223.04	223.34	222.82	222.38	222.24	221.81	221.85	221.48	221.66	221.77	222.37
24	222.16	222.99	223.19	222.83	222.46	222.28	221.98	221.81	221.49	221.60	221.86	222.34
25	222.01	222.89	223.17	222.97	222.51	222.26	221.97	221.80	221.49	221.63	221.93	222.41
26	221.96	222.90	223.31	222.99	222.45	222.11	221.98	221.88	221.47	221.63	221.93	222.46
27	222.00	222.93	223.23	222.99	222.32	222.05	222.01	221.81	221.47	221.65	221.95	222.19
28	221.87	222.90	223.08	222.68	222.34	222.03	222.00	221.73	221.46	221.66	221.99	222.14
29	222.02	222.95	223.08	222.68	---	221.82	222.08	221.67	221.40	221.64	221.88	222.19
30	222.30	222.93	223.02	222.67	---	221.89	222.08	221.65	221.42	221.63	221.93	222.32
31	222.38	---	222.94	222.68	---	222.11	---	221.67	---	221.64	222.06	---
Mean	221.57	222.69	---	222.92	222.47	222.21	221.90	221.83	221.59	221.63	221.80	222.24
Max	222.38	223.04	---	223.21	222.76	222.39	222.10	221.99	221.80	221.76	222.06	222.46
Min	220.58	222.32	---	222.67	222.13	221.82	221.68	221.65	221.40	221.48	221.66	222.04

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