Water-Data Report 2009

402151074525301 Local number 190251 Corsalo Rd TB 1 Obs NJ Permit Number 27-10124

Early Mesozoic basin aquifers
Passaic Formation

Hunterdon County, NJ

LOCATION.--Lat 40°21′51″, long 74°52′53″ referenced to North American Datum of 1927, West Amwell Township, Hunterdon County, NJ, Hydrologic Unit 02040105, 1,100 ft east of the intersection of County Rt. 518 and Corsalo Rd.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 299 ft. Upper casing diameter 4 in; top of first opening 21.5 ft, bottom of last opening 299 ft. Drilled observation well.

DATUM.--Land-surface datum is 405 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.35 ft above land-surface datum, Aug 7, 2002, to present.

PERIOD OF RECORD.--June 1989 to current year.

GAGE.--Data collection platform with satellite telemetry--60 minute recording interval. Submersible logger pressure transducer, July 1999 to August 2002. Water-level recorder, June 1989 to July 1999.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.51 ft above land surface, Mar 13, 1993; lowest, 10.65 ft below land surface, Jan 1-2, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.31 ft above land surface datum, Apr 3; lowest water level, 4.88 ft below land surface datum, Oct 23.

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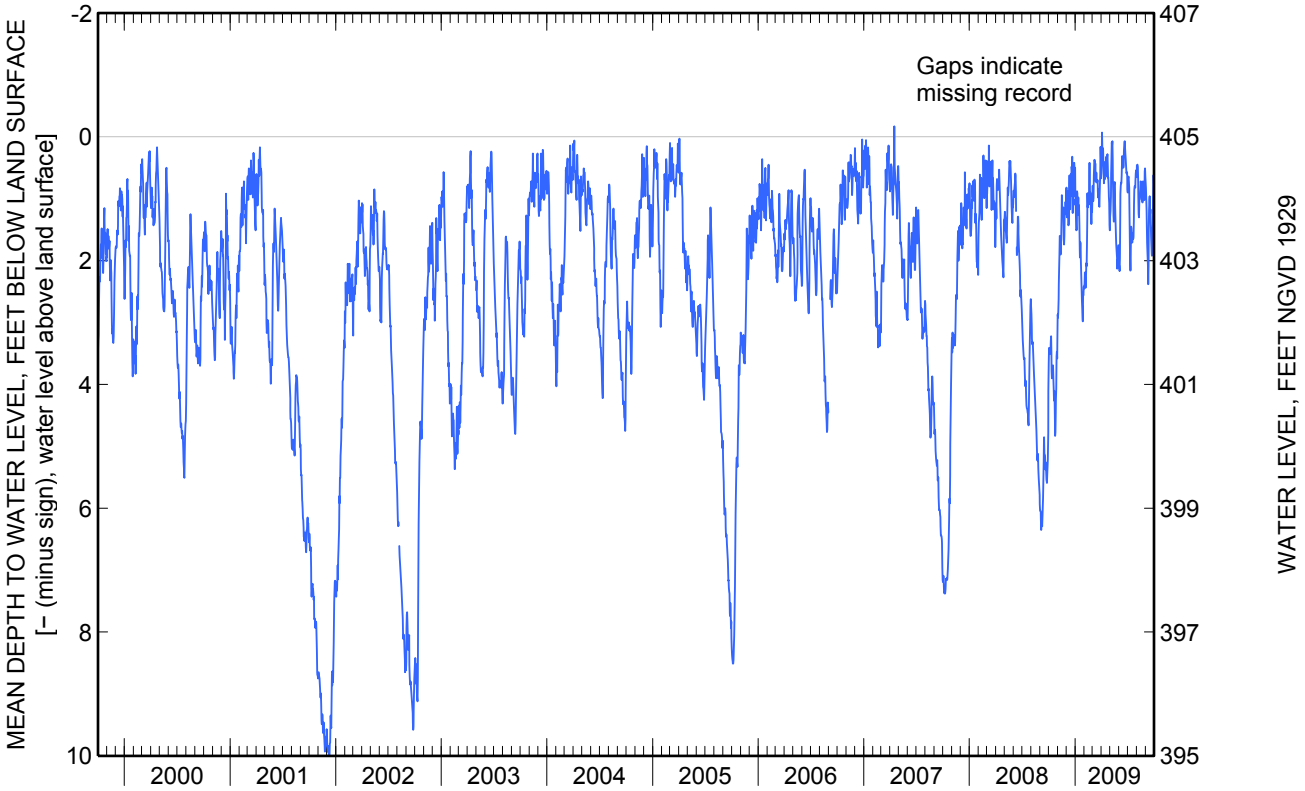
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[- (minus sign), value is water level above land surface]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.66	2.87	0.82	1.10	2.40	0.98	0.59	1.31	2.07	0.90	0.65	0.76
2	3.41	2.92	1.24	1.01	2.38	0.79	0.40	1.27	2.08	0.72	0.46	0.85
3	3.42	2.81	1.30	1.27	2.19	1.01	-0.07	1.15	2.17	0.66	0.45	0.91
4	3.51	2.62	1.10	1.51	2.29	1.04	0.16	0.82	1.96	0.64	0.45	1.04
5	3.44	2.39	1.16	1.50	2.44	0.99	0.42	0.54	1.31	0.72	0.48	1.38
6	3.44	2.13	1.06	1.50	2.41	0.62	0.18	0.36	0.92	0.82	0.70	1.72
7	3.46	1.91	0.88	0.88	2.27	0.51	0.21	0.09	0.80	1.07	0.95	1.84
8	3.30	1.60	1.43	0.91	2.04	0.37	0.46	0.14	0.74	1.47	1.25	1.88
9	3.22	1.60	1.41	1.25	2.09	0.41	0.63	0.07	0.75	1.90	1.30	2.07
10	3.51	1.74	1.09	1.26	1.75	0.70	0.75	0.37	0.62	2.16	1.07	2.38
11	3.78	1.90	0.92	0.98	1.33	0.43	0.65	0.69	0.51	2.15	0.96	2.08
12	3.90	1.89	0.62	1.21	0.91	0.71	0.69	0.91	0.31	1.82	0.96	1.54
13	3.81	1.64	1.15	1.10	1.14	0.73	0.61	1.28	0.42	1.45	0.93	1.19
14	3.73	1.31	1.17	1.19	1.04	0.58	0.47	1.37	0.37	1.48	0.84	1.02
15	3.71	0.94	0.92	1.44	1.00	0.58	0.40	1.22	0.40	1.62	0.72	0.96
16	3.69	0.99	0.96	1.82	1.00	0.71	0.52	0.79	0.50	1.56	0.76	1.14
17	3.90	1.27	0.60	1.95	1.02	0.74	0.44	0.73	0.46	1.71	0.88	1.24
18	4.06	1.25	0.72	1.70	0.70	0.71	0.32	1.00	0.23	1.62	1.01	1.17
19	4.26	1.27	0.48	1.72	0.42	0.70	0.51	1.26	0.14	1.61	1.01	1.42
20	4.24	1.14	0.54	1.94	0.75	0.88	0.64	1.41	0.08	1.65	0.98	1.63
21	4.11	1.36	0.32	2.26	1.09	0.98	0.33	1.53	0.07	1.62	1.06	1.76
22	4.44	1.66	0.73	2.43	0.90	0.85	0.28	1.62	0.17	1.37	0.95	1.89
23	4.83	1.74	1.23	2.45	1.02	0.94	0.44	1.81	0.27	1.10	0.72	1.92
24	4.77	1.60	0.87	2.60	1.25	1.12	0.66	1.90	0.35	0.85	0.76	1.74
25	4.44	1.19	0.79	2.88	1.41	1.13	0.65	1.96	0.45	0.80	0.78	1.53
26	4.24	1.23	0.96	2.94	1.39	0.96	0.77	2.13	0.50	0.80	0.77	1.41
27	4.07	1.24	0.68	2.98	1.19	0.77	0.97	2.01	0.59	0.82	0.98	0.84
28	3.54	1.05	0.42	2.55	1.21	0.60	1.07	1.98	0.57	0.71	1.02	0.62
29	3.47	1.17	0.50	2.56	---	0.16	1.42	1.92	0.58	0.59	0.56	0.64
30	3.58	0.99	0.50	2.42	---	0.36	1.51	1.75	0.85	0.54	0.51	0.81
31	3.30	---	0.50	2.45	---	0.67	---	1.76	---	0.54	0.65	---
Mean	3.81	1.65	0.87	1.80	1.47	0.73	0.57	1.20	0.71	1.21	0.82	1.38
Max	4.83	2.92	1.43	2.98	2.44	1.13	1.51	2.13	2.17	2.16	1.30	2.38
Min	3.22	0.94	0.32	0.88	0.42	0.16	-0.07	0.07	0.07	0.54	0.45	0.62

	Water Year 2009
Mean	1.35
High	-0.07
Low	4.83

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