401832074491901 Local number 210703 Alliger Obs NJ Permit Number 27-09670

Early Mesozoic basin aquifers
Passaic Formation

Mercer County, NJ

LOCATION.--Lat 40°18′32″, long 74°49′19″ referenced to North American Datum of 1983, Hopewell Township, Mercer County, NJ, Hydrologic Unit 02040105.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 6 in; top of first opening 60 ft, bottom of last opening 200 ft.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft above land-surface datum, Dec 5, 2007, to present.

PERIOD OF RECORD.--December 2007 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.49 ft below land surface, Aug 22, 2009; lowest, 40.18 ft below land surface, Aug 28, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level, 35.49 ft below land surface datum, Aug 22; lowest water level, 39.60 ft below land surface datum, Oct 23.

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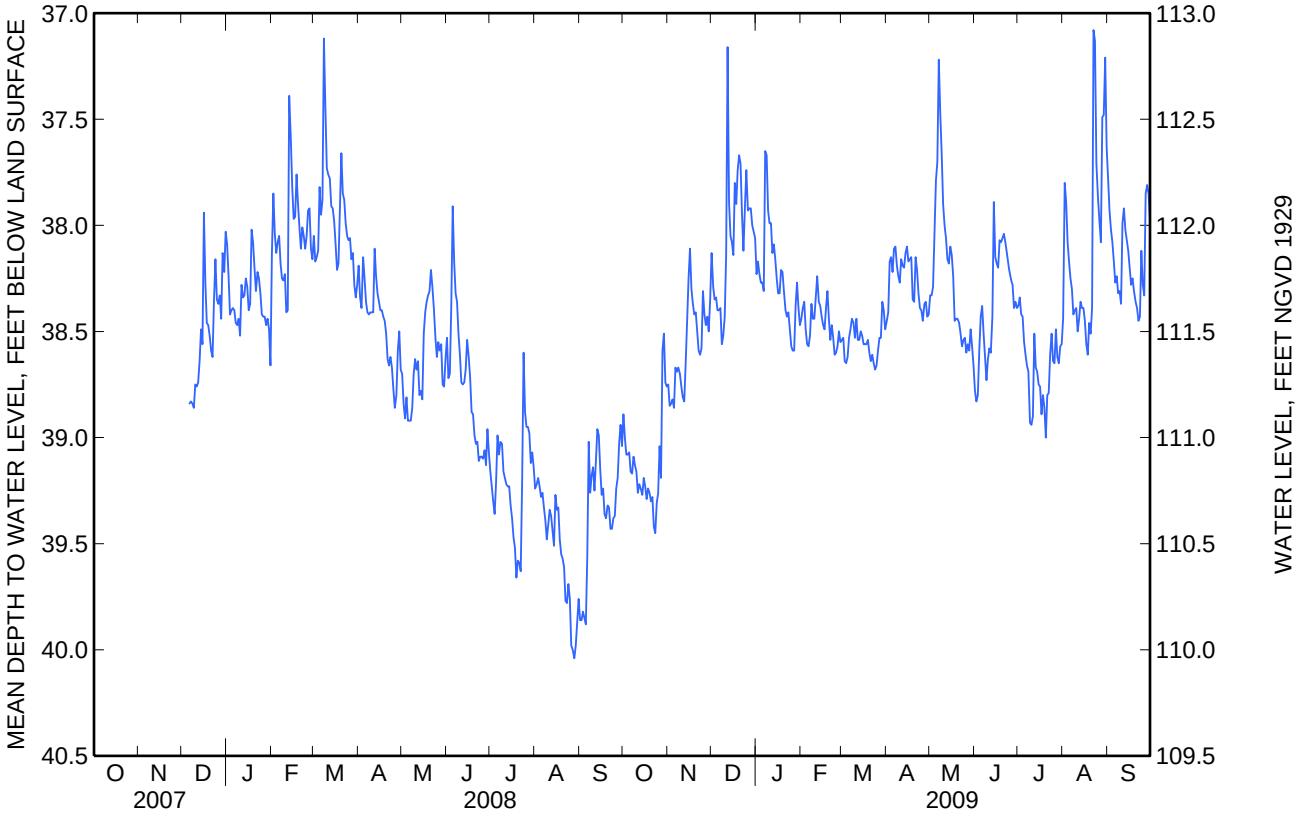
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	38.89	38.75	38.13	38.23	38.44	38.54	38.45	38.33	38.78	38.38	38.44	37.78
2	39.00	38.85	38.29	38.17	38.39	38.53	38.41	38.33	38.83	38.34	37.80	37.93
3	39.08	38.84	38.35	38.23	38.36	38.64	38.17	38.29	38.80	38.42	37.89	38.02
4	39.08	38.82	38.34	38.27	38.49	38.65	38.15	38.04	38.59	38.43	38.08	38.08
5	39.07	38.86	38.40	38.27	38.56	38.62	38.22	37.79	38.43	38.55	38.17	38.17
6	39.16	38.67	38.40	38.31	38.57	38.53	38.11	37.70	38.38	38.61	38.25	38.27
7	39.17	38.69	38.39	37.65	38.52	38.49	38.10	37.22	38.51	38.66	38.30	38.24
8	39.09	38.67	38.56	37.67	38.37	38.44	38.19	37.47	38.62	38.69	38.42	38.32
9	39.13	38.70	38.52	37.93	38.44	38.46	38.24	37.66	38.73	38.93	38.40	38.31
10	39.16	38.76	38.43	37.99	38.44	38.53	38.27	37.90	38.63	38.94	38.39	38.37
11	39.26	38.81	38.14	37.99	38.34	38.44	38.16	38.00	38.58	38.90	38.50	37.99
12	39.22	38.83	37.16	38.13	38.24	38.54	38.19	38.06	38.60	38.51	38.44	37.92
13	39.24	38.65	37.89	38.09	38.36	38.54	38.20	38.16	38.43	38.67	38.36	38.02
14	39.27	38.45	38.05	38.16	38.38	38.50	38.13	38.18	37.89	38.69	38.39	38.07
15	39.19	38.25	38.08	38.25	38.43	38.52	38.10	38.10	38.15	38.75	38.39	38.12
16	39.23	38.11	38.14	38.32	38.47	38.56	38.17	38.14	38.18	38.76	38.45	38.20
17	39.29	38.30	37.80	38.32	38.49	38.56	38.16	38.24	38.20	38.89	38.56	38.28
18	39.24	38.37	37.90	38.21	38.39	38.56	38.15	38.45	38.07	38.80	38.61	38.25
19	39.26	38.42	37.74	38.22	38.31	38.54	38.35	38.44	38.08	38.86	38.46	38.31
20	39.30	38.41	37.67	38.31	38.44	38.60	38.36	38.44	38.06	39.00	38.51	38.36
21	39.28	38.50	37.71	38.40	38.54	38.64	38.15	38.46	38.04	38.80	38.39	38.39
22	39.42	38.59	37.95	38.43	38.47	38.61	38.21	38.51	38.08	38.79	37.08	38.45
23	39.45	38.61	38.12	38.41	38.53	38.65	38.32	38.57	38.13	38.61	37.13	38.43
24	39.31	38.58	37.92	38.49	38.61	38.68	38.39	38.54	38.18	38.51	37.71	38.12
25	39.26	38.31	37.74	38.57	38.60	38.66	38.40	38.53	38.22	38.64	37.87	38.28
26	39.04	38.42	37.93	38.59	38.57	38.59	38.45	38.60	38.26	38.65	37.98	38.33
27	39.19	38.47	37.92	38.59	38.50	38.53	38.37	38.56	38.28	38.49	38.08	37.85
28	38.59	38.43	37.92	38.38	38.55	38.53	38.36	38.59	38.39	38.62	37.49	37.81
29	38.51	38.50	38.00	38.27	---	38.36	38.43	38.49	38.36	38.65	37.48	37.85
30	38.74	38.35	38.03	38.39	---	38.40	38.42	38.57	38.39	38.57	37.21	37.98
31	38.76	---	38.06	38.47	---	38.49	---	38.66	---	38.56	37.63	---
Mean	39.13	38.57	38.05	38.25	38.46	38.55	38.26	38.23	38.36	38.67	38.09	38.15
Max	39.45	38.86	38.56	38.59	38.61	38.68	38.45	38.66	38.83	39.00	38.61	38.45
Min	38.51	38.11	37.16	37.65	38.24	38.36	38.10	37.22	37.89	38.34	37.08	37.78

	Water Year 2009
Mean	38.40
High	37.08
Low	39.45

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