403455074514801 Local number 190276 Environmental Ctr 1 Obs NJ Permit Number 24-25826

Early Mesozoic basin aquifers
Stockton Formation

Hunterdon County, NJ

LOCATION.--Lat 40°34′38″, long 74°51′39″ referenced to North American Datum of 1927, Clinton Township, Hunterdon County, NJ, Hydrologic Unit 02030105, at the Hunterdon County Arboretum, Rt. 31.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 175 ft. Upper casing diameter 6 in; top of first opening 55 ft, bottom of last opening 175 ft. Drilled observation well.

DATUM.--Land-surface datum is 170.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.36 ft above land-surface datum, Aug. 8, 2002, to present.

PERIOD OF RECORD.--Mar. 1991 to current year.

GAGE.--Data collection platform with satellite telemetry--60 minute recording interval. Water-level recorder, May 1992 to Aug. 2002. Periodic measurements, Mar. 1991 to May 1992.

REMARKS.--Water level is affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.44 ft below land surface, Mar. 29, 1994; lowest, 12.90 ft below land surface, Oct. 4, 2005.

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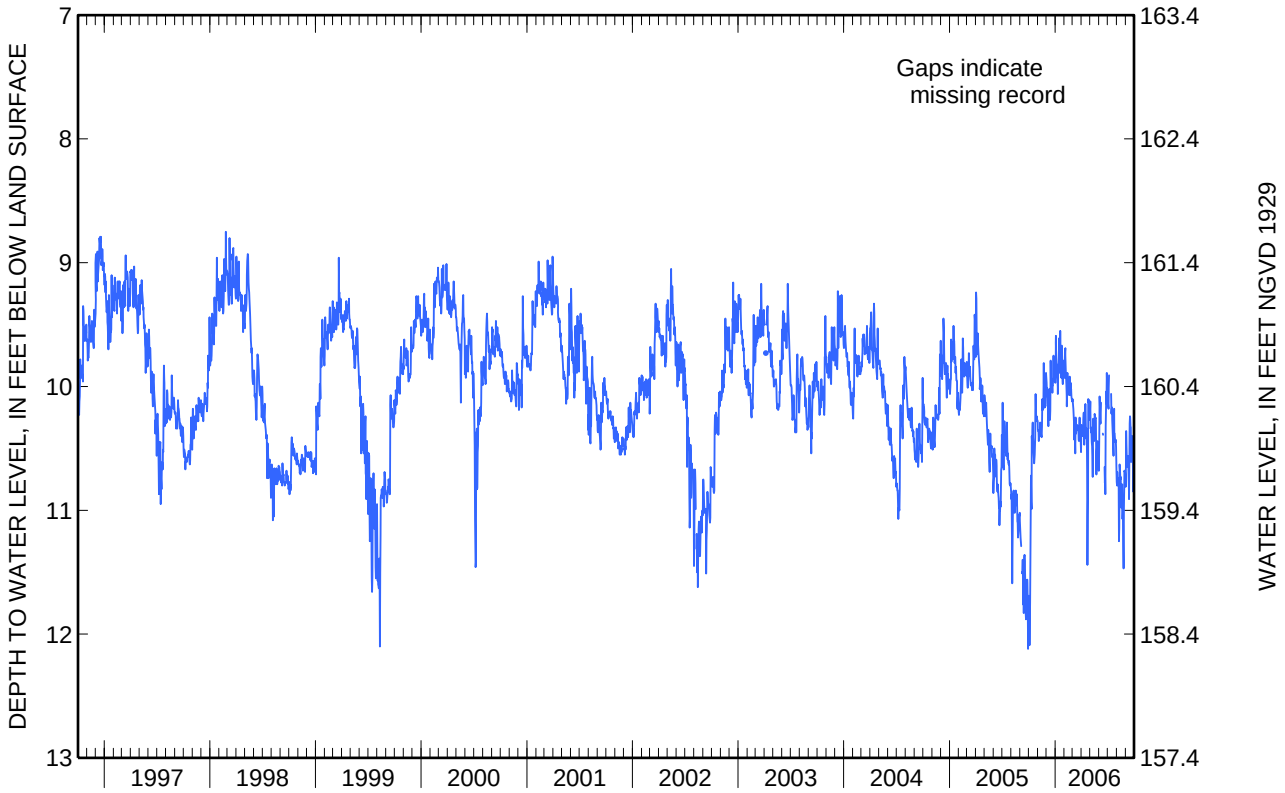
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11.69	10.28	9.93	9.97	9.93	10.12	10.31	10.20	10.65	10.06	10.77	10.81
2	11.69	10.35	9.97	9.91	9.93	10.10	10.38	10.12	10.41	10.12	10.80	10.73
3	11.84	10.36	10.06	9.59	9.76	10.16	---	10.34	10.08	10.16	10.69	10.36
4	12.09	10.36	10.01	9.74	9.72	10.18	---	10.33	10.16	10.18	10.77	10.47
5	11.80	10.44	10.08	9.76	9.69	10.19	10.40	10.37	10.27	10.01	10.77	10.58
6	11.72	10.36	10.09	9.82	9.86	10.21	10.38	10.36	10.30	9.91	10.80	10.65
7	11.66	10.35	10.22	9.88	9.90	10.34	10.34	10.45	10.23	---	10.74	10.59
8	11.10	10.35	10.32	9.92	9.96	10.43	10.26	10.48	10.13	---	10.76	10.63
9	10.72	10.38	10.04	9.95	10.02	10.26	10.21	10.56	---	---	11.25	10.56
10	10.93	10.29	10.08	10.06	10.16	10.43	10.35	10.73	---	---	11.14	10.61
11	10.99	10.37	10.02	9.91	9.95	10.54	10.47	10.54	---	---	10.63	10.71
12	10.40	10.40	10.12	9.82	9.89	10.25	10.35	10.26	---	---	10.67	10.82
13	10.45	10.38	10.24	9.83	9.98	10.25	10.42	10.43	---	10.06	10.69	10.91
14	10.35	10.40	10.27	9.61	10.04	10.38	10.19	10.43	10.38	10.22	10.75	10.62
15	10.29	10.41	10.19	9.75	10.06	10.35	10.14	10.44	10.39	10.18	10.73	10.30
16	10.40	10.32	9.79	9.84	9.96	10.35	10.25	10.40	---	10.17	10.89	10.24
17	10.50	10.10	9.97	9.89	9.94	10.33	10.37	10.22	---	10.29	10.98	10.25
18	10.51	10.19	9.96	9.55	10.07	10.31	10.34	10.24	---	10.38	10.97	10.32
19	10.56	10.19	9.94	9.81	9.98	10.32	10.34	10.26	---	10.42	10.84	10.33
20	10.62	10.16	9.96	9.79	9.92	10.35	10.38	10.25	10.65	10.45	10.79	10.61
21	10.59	10.11	10.01	9.81	9.95	10.32	10.67	10.27	10.78	10.56	11.07	10.49
22	10.54	9.81	10.05	9.93	10.01	10.36	11.44	10.44	10.71	10.27	10.99	10.54
23	10.46	9.98	9.99	9.67	9.97	10.43	11.04	10.71	10.87	10.18	11.01	10.54
24	10.41	9.97	9.99	9.67	10.07	10.44	10.81	10.52	10.32	10.38	11.28	10.40
25	10.06	10.17	9.92	9.77	10.02	10.34	10.10	10.48	10.19	10.38	11.47	10.48
26	10.17	10.16	9.75	9.94	10.08	10.25	10.13	10.44	10.04	10.42	10.99	10.61
27	10.27	10.15	9.95	9.98	10.10	10.38	10.11	10.45	10.14	10.45	10.81	10.85
28	10.28	10.16	9.94	9.87	10.12	10.38	10.27	10.56	9.89	10.45	10.68	10.75
29	10.24	10.14	9.83	9.79	---	10.41	10.23	10.59	10.0	10.43	10.69	10.54
30	10.27	9.89	9.92	9.82	---	10.45	10.20	10.64	10.09	10.49	10.68	10.65
31	10.27	---	9.93	9.84	---	10.53	---	10.68	---	10.65	10.72	---
Mean	10.77	10.23	10.02	9.82	9.97	10.33	---	10.43	---	---	10.87	10.56
Max	12.09	10.44	10.32	10.06	10.16	10.54	---	10.73	---	---	11.47	10.91
Min	10.06	9.81	9.75	9.55	9.69	10.10	---	10.12	---	---	10.63	10.24

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