Water-Data Report 2010

401804074432601 Local number 210364 Cranston Farms 15 Obs NJ Permit Number 28-230000-1

Early Mesozoic basin aquifers
Stockton Formation

Mercer County, NJ

LOCATION.--Lat 40°18′04″, long 74°43′26″ referenced to North American Datum of 1927, Lawrence Township, Mercer County, NJ, Hydrologic Unit 02040105, 1,200 ft north of intersection of Cold Soil Rd. and Rt. 206, Lawrenceville.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 200 ft. Upper casing diameter 6 in; top of first opening 50 ft, bottom of last opening 200 ft. Drilled observation well.

DATUM.--Land-surface datum is 123.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft above land-surface datum, May 10, 2002, to present.

PERIOD OF RECORD.--March 1990 to current year.

GAGE.--Data collection platform with satellite telemetry--15 minute recording interval. Water-level recorder, March 1990 to May 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.05 ft below land surface, Apr 17, 2007; lowest, 33.85 ft below land surface, Dec 30, 1998.

EXTREMES FOR CURRENT YEAR.--Highest water level, 23.29 ft below land surface datum, Mar 16; lowest water level, 33.21 ft below land surface datum, Sept 29, 30.

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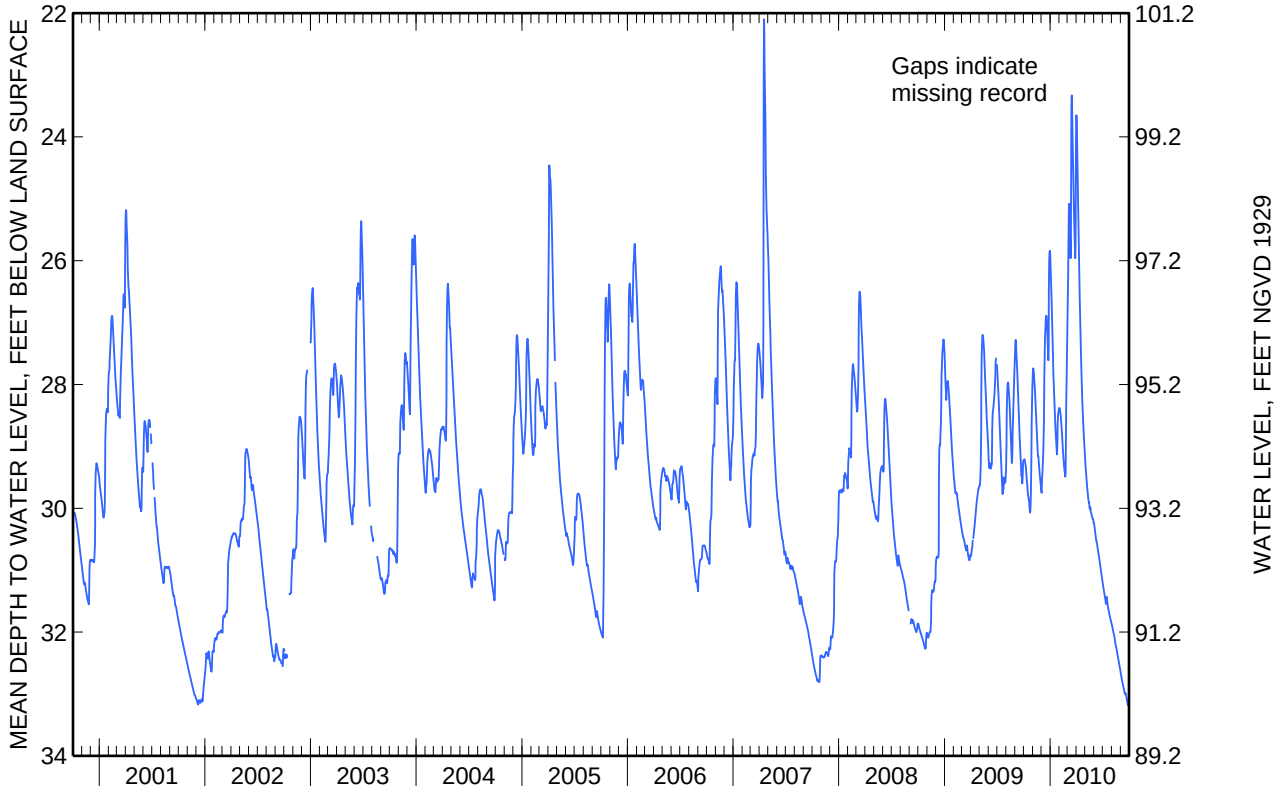
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29.23	27.83	29.72	25.93	28.38	27.09	23.65	29.20	30.24	31.20	31.86	32.64
2	29.22	27.76	29.75	26.05	28.38	26.84	23.71	29.28	30.27	31.23	31.88	32.67
3	29.21	27.74	29.55	26.23	28.39	26.51	23.92	29.33	30.31	31.26	31.90	32.69
4	29.21	27.77	29.46	26.43	28.44	26.02	24.19	29.39	30.34	31.29	31.92	32.73
5	29.24	27.80	29.41	26.61	28.47	25.50	24.49	29.46	30.38	31.33	31.95	32.76
6	29.26	27.87	29.30	26.79	28.50	25.18	24.77	29.52	30.42	31.36	31.97	32.79
7	29.28	27.95	29.20	26.98	28.57	25.08	25.07	29.58	30.46	31.40	32.00	32.81
8	29.34	28.04	29.15	27.14	28.64	25.14	25.36	29.63	30.50	31.43	32.03	32.83
9	29.37	28.14	28.68	27.34	28.71	25.30	25.63	29.70	30.53	31.45	32.05	32.86
10	29.43	28.23	28.13	27.54	28.75	25.51	25.94	29.75	30.53	31.48	32.08	32.88
11	29.50	28.33	27.89	27.71	28.85	25.73	26.22	29.81	30.56	31.50	32.10	32.91
12	29.57	28.42	27.72	27.88	28.93	25.96	26.48	29.83	30.59	31.54	32.13	32.92
13	29.62	28.52	27.52	28.04	28.99	25.69	26.72	29.88	30.63	31.54	32.16	32.94
14	29.70	28.61	27.24	28.19	29.08	24.23	26.94	29.91	30.66	31.44	32.19	32.96
15	29.74	28.72	27.04	28.33	29.16	23.52	27.14	29.90	30.69	31.43	32.21	32.98
16	29.77	28.83	26.95	28.46	29.22	23.33	27.32	29.95	30.71	31.46	32.23	33.00
17	29.82	28.96	26.90	28.55	29.29	23.45	27.50	30.00	30.75	31.51	32.26	32.99
18	29.84	29.07	26.89	28.60	29.36	23.68	27.69	30.01	30.78	31.55	32.29	32.98
19	29.88	29.16	26.90	28.67	29.42	24.00	27.86	29.98	30.81	31.58	32.31	33.00
20	29.93	29.15	26.99	28.77	29.45	24.33	28.03	30.01	30.85	31.62	32.34	33.02
21	29.98	29.18	27.09	28.87	29.47	24.65	28.18	30.05	30.88	31.64	32.37	33.05
22	30.03	29.26	27.21	28.96	29.49	24.92	28.32	30.07	30.91	31.67	32.39	33.07
23	30.07	29.33	27.34	29.06	29.42	25.02	28.46	30.10	30.94	31.69	32.42	33.10
24	30.03	29.39	27.48	29.13	28.95	25.22	28.60	30.11	30.97	31.72	32.44	33.12
25	29.75	29.44	27.61	28.98	28.38	25.39	28.68	30.13	31.01	31.74	32.46	33.14
26	29.63	29.48	27.37	28.65	27.89	25.56	28.74	30.14	31.03	31.76	32.48	33.17
27	29.49	29.52	26.48	28.57	27.56	25.79	28.80	30.17	31.06	31.78	32.50	33.18
28	29.01	29.58	26.03	28.49	27.29	25.96	28.90	30.17	31.09	31.79	32.53	33.17
29	28.44	29.64	25.87	28.45	---	25.74	29.01	30.18	31.13	31.81	32.56	33.19
30	28.15	29.68	25.84	28.40	---	25.15	29.11	30.21	31.16	31.82	32.59	33.15
31	27.94	---	25.85	28.38	---	23.96	---	30.24	---	31.84	32.61	---
Mean	29.44	28.71	27.70	27.94	28.77	25.14	26.85	29.86	30.71	31.54	32.23	32.96
Max	30.07	29.68	29.75	29.13	29.49	27.09	29.11	30.24	31.16	31.84	32.61	33.19
Min	27.94	27.74	25.84	25.93	27.29	23.33	23.65	29.20	30.24	31.20	31.86	32.64

	Water Year 2010
Mean	29.32
High	23.33
Low	33.19

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