Water-Data Report 2007

395122074301701 Local number 050683 Butler Place 1 Obs

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

Burlington County, NJ

LOCATION.--Lat 39°51′22″, long 74°30′17″ referenced to North American Datum of 1927, Woodland Township, Burlington County, NJ, Hydrologic Unit 02040301, in Lebanon State Forest.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 2,117 ft. Upper casing diameter 8 in, top of first opening 2,102 ft, bottom of last opening 2,117 ft. Drilled artesian well.

DATUM.--Land-surface datum is 140.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.8 ft above land-surface datum, Oct. 1, 1964, to present.

PERIOD OF RECORD.--Oct. 1964 to current year.

GAGE.--Water-level recorder--60-minute recording interval. Periodic measurements, June 1975 to Sept. 1976. Water-level recorder, Oct. 1964 to June 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 143.20 ft below land surface, Feb. 25, 1965; lowest, 182.96 ft below land surface, Dec. 22-23, 1988.

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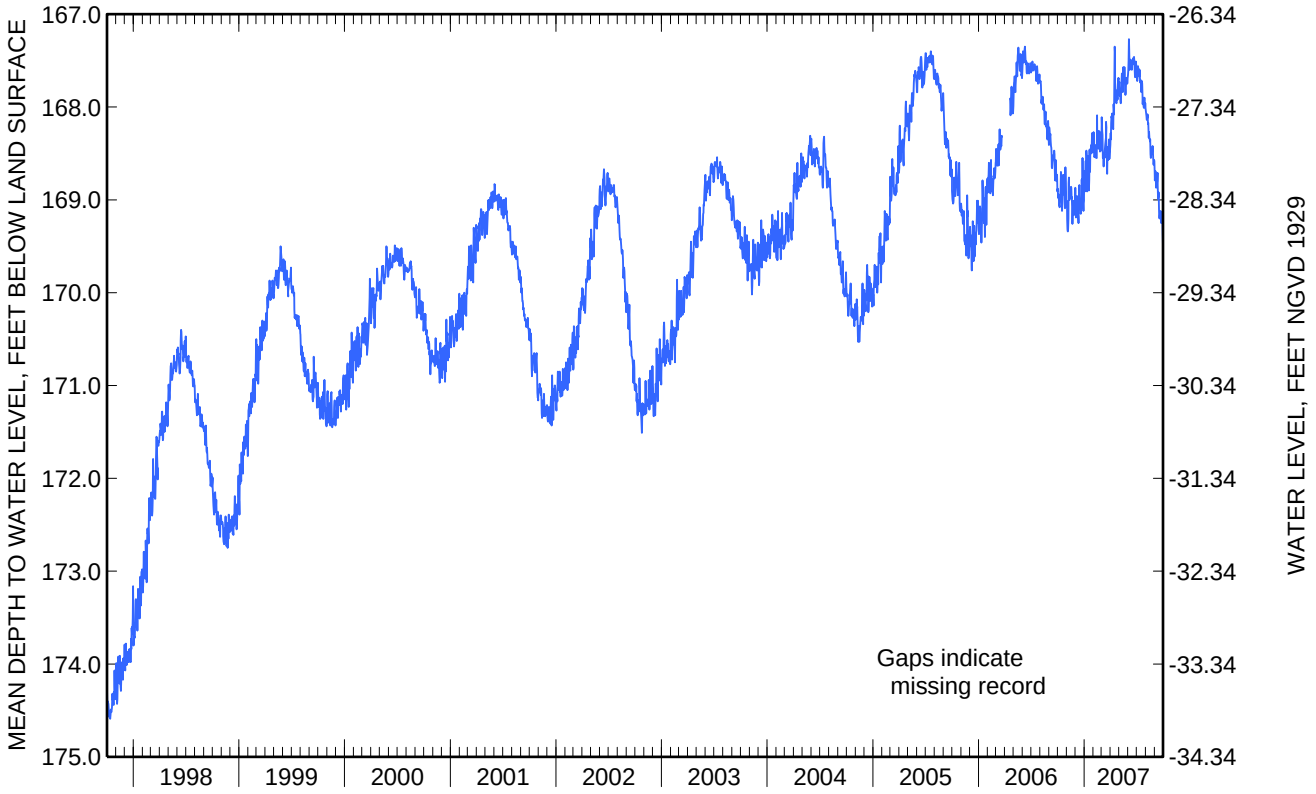
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	168.88	169.01	168.87	168.69	168.46	168.46	168.41	167.77	167.66	167.61	168.00	168.70
2	168.95	169.03	169.08	168.80	168.27	168.11	168.28	167.73	167.61	167.70	168.06	168.79
3	168.98	169.21	169.19	168.91	168.41	168.17	168.35	167.87	167.50	167.72	168.08	168.73
4	168.94	169.32	169.05	168.81	168.46	168.26	168.17	167.88	167.27	167.69	168.09	168.69
5	168.98	169.34	169.13	168.69	168.54	168.30	168.10	167.82	167.32	167.58	168.14	168.78
6	169.06	169.31	169.12	168.58	168.53	168.55	168.12	167.92	167.48	167.56	168.08	168.87
7	169.07	169.20	168.96	168.80	168.42	168.54	168.07	167.96	167.60	167.60	168.12	168.86
8	169.08	168.82	169.10	168.47	168.42	168.52	168.16	167.86	167.52	167.59	168.08	168.83
9	169.01	168.76	169.18	168.53	168.41	168.64	168.20	167.78	167.49	167.63	168.18	168.83
10	168.95	168.99	169.15	168.70	168.45	168.51	168.21	167.71	167.57	167.67	168.17	168.80
11	168.88	169.00	169.18	168.91	168.55	168.51	168.24	167.64	167.57	167.60	168.28	168.71
12	168.70	168.97	169.25	168.80	168.55	168.55	167.97	167.69	167.55	167.66	168.33	168.85
13	168.88	168.90	169.08	168.70	168.55	168.49	168.02	167.76	167.58	167.72	168.27	168.99
14	168.89	168.87	168.97	168.67	168.09	168.40	168.08	167.84	167.60	167.74	168.33	168.97
15	169.01	168.95	168.84	168.53	168.31	168.39	167.71	167.70	167.57	167.71	168.35	168.92
16	169.12	168.86	168.99	168.57	168.32	168.37	167.35	167.57	167.53	167.78	168.37	169.10
17	169.03	168.87	169.03	168.90	168.31	168.16	167.62	167.68	167.49	167.84	168.35	169.17
18	168.86	168.98	168.99	168.79	168.26	168.35	167.77	167.73	167.54	167.80	168.51	169.20
19	168.86	168.97	169.08	168.46	168.45	168.51	167.85	167.65	167.54	167.72	168.55	169.17
20	168.73	169.08	169.15	168.56	168.31	168.52	167.92	167.57	167.47	167.75	168.48	169.13
21	168.94	169.26	169.10	168.70	168.33	168.72	167.94	167.68	167.49	167.88	168.49	169.14
22	168.94	169.14	169.07	168.47	168.26	168.50	167.96	167.80	167.46	167.97	168.50	169.12
23	168.85	169.01	168.78	168.45	168.35	168.43	167.89	167.87	167.51	167.90	168.51	169.18
24	168.87	169.03	168.91	168.49	168.48	168.50	167.82	167.85	167.60	167.95	168.47	169.25
25	168.97	169.16	168.90	168.41	168.46	168.57	167.86	167.75	167.68	168.00	168.42	169.22
26	169.09	169.16	168.55	168.50	168.28	168.53	167.92	167.69	167.68	168.01	168.47	169.18
27	169.08	169.14	168.79	168.38	168.37	168.35	167.75	167.70	167.59	167.94	168.57	169.16
28	168.65	169.15	169.03	168.28	168.47	168.46	167.69	167.69	167.51	167.90	168.62	169.14
29	168.85	169.16	169.12	168.41	---	168.56	167.70	167.75	167.55	167.95	168.62	169.36
30	169.04	169.08	169.04	168.44	---	168.50	167.69	167.74	167.56	167.96	168.57	169.50
31	169.01	---	169.01	168.48	---	168.46	---	167.69	---	167.96	168.58	---
Mean	168.94	169.06	169.02	168.61	168.40	168.45	167.96	167.75	167.54	167.78	168.34	169.01
Max	169.12	169.34	169.25	168.91	168.55	168.72	168.41	167.96	167.68	168.01	168.62	169.50
Min	168.65	168.76	168.55	168.28	168.09	168.11	167.35	167.57	167.27	167.56	168.00	168.69

	Water Year 2007
Mean	168.40
High	167.27
Low	169.50

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