Water-Data Report 2007

411802073593001 Local number Ro-18, Bear Mtn State Park NY

New York and New England crystalline-rock aquifers
Precambrian Erathem

Rockland County, NY

LOCATION.--Lat 41°18′02″, long 73°59′30″ referenced to North American Datum of 1927, Rockland County, NY, Hydrologic Unit 02030101, in Bear Mountain State Park near Lemon Road and Seven Lakes Drive.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 60 ft. Upper casing diameter 6.0 in, top of first opening 53 ft, bottom of last opening 60 ft. Cased to 53 ft, open hole. Elevation of land-surface datum is 390 ft above NGVD of 1929, from topographic map.

PERIOD OF RECORD.--July 1949 to September 1990, November 1991 to September 1993, March 2002 to current year.

GAGE.--Water-stage recorder--hourly. Prior to Apr. 29, 2002, non-recording gage usually read weekly by observer.

REMARKS.--Satellite water-level telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.91 ft below land-surface datum, Apr. 16, 2007; lowest water level, 33.02 ft below land-surface datum, Feb. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 5.91 ft below land-surface datum, Apr. 16; lowest water level, 27.01 ft below land-surface datum, Sept. 30.

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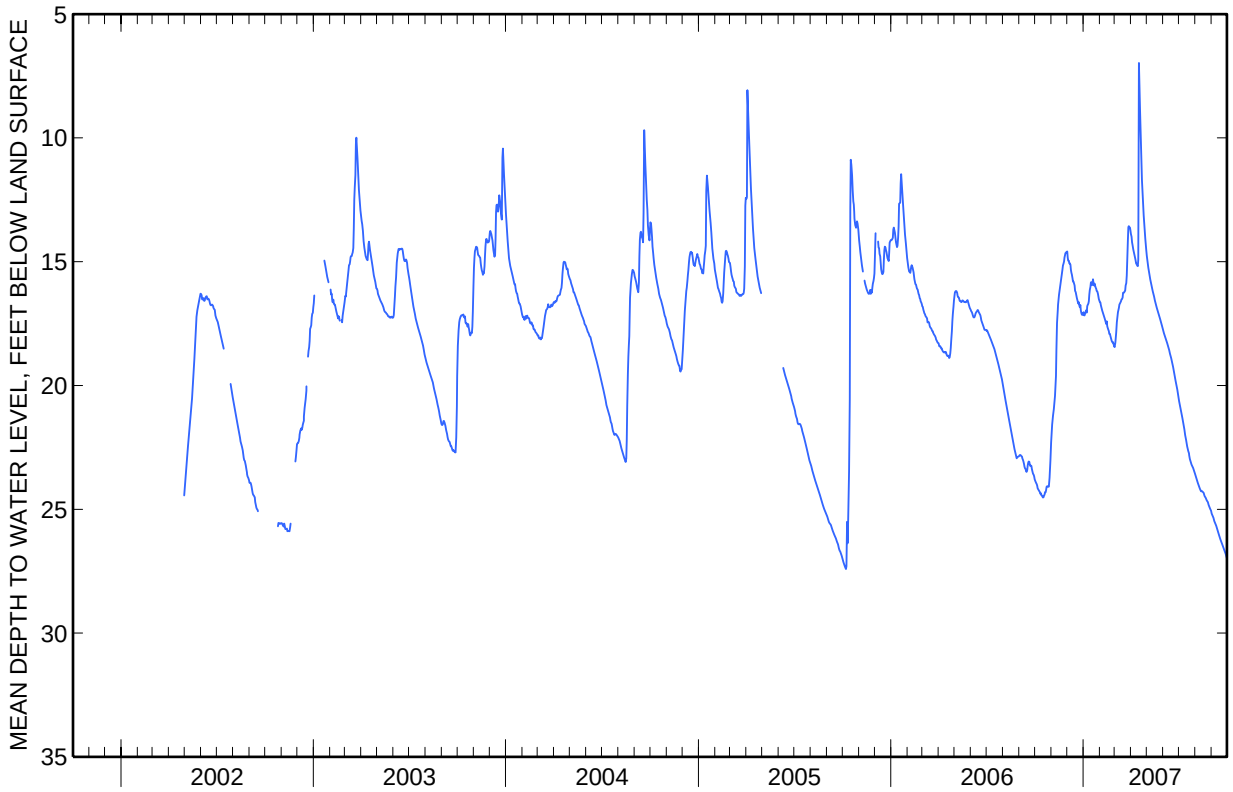
DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23.81	22.08	14.58	17.04	16.63	18.45	13.88	14.75	17.76	20.57	23.60	25.15
2	23.88	21.71	14.83	17.16	16.64	18.34	13.99	14.92	17.85	20.72	23.67	25.22
3	23.94	21.45	14.96	17.17	16.78	18.14	14.21	15.11	17.92	20.83	23.74	25.25
4	23.98	21.22	14.96	17.09	16.87	17.81	14.32	15.23	17.96	20.92	23.80	25.31
5	24.04	21.01	15.07	17.02	16.96	17.49	14.43	15.38	18.02	21.00	23.88	25.39
6	24.15	20.82	15.06	16.96	17.02	17.32	14.58	15.54	18.12	21.12	23.93	25.47
7	24.19	20.66	15.12	17.05	17.05	17.09	14.65	15.65	18.19	21.25	24.01	25.52
8	24.23	20.43	15.33	16.79	17.13	16.93	14.77	15.74	18.23	21.36	24.04	25.57
9	24.26	19.95	15.44	16.74	17.20	16.86	14.86	15.84	18.30	21.49	24.14	25.63
10	24.31	19.01	15.52	16.69	17.29	16.73	14.97	15.95	18.39	21.61	24.19	25.69
11	24.37	18.06	15.67	16.59	17.39	16.69	15.08	16.05	18.45	21.71	24.24	25.73
12	24.35	17.40	15.80	16.32	17.44	16.65	15.08	16.17	18.53	21.85	24.27	25.80
13	24.43	16.94	15.80	16.14	17.52	16.59	15.16	16.28	18.62	22.00	24.25	25.90
14	24.44	16.60	15.89	16.01	17.41	16.52	15.18	16.37	18.71	22.13	24.28	25.96
15	24.48	16.45	15.96	15.83	17.60	16.51	14.92	16.41	18.79	22.24	24.29	26.01
16	24.52	16.24	16.17	15.83	17.67	16.45	6.97	16.51	18.87	22.38	24.31	26.11
17	24.51	16.09	16.23	15.95	17.75	16.25	7.60	16.65	18.95	22.50	24.34	26.18
18	24.44	15.96	16.32	15.85	17.80	16.26	8.86	16.71	19.07	22.59	24.41	26.23
19	24.41	15.74	16.44	15.71	17.92	16.24	9.69	16.76	19.16	22.65	24.47	26.28
20	24.31	15.59	16.53	15.85	17.92	16.19	10.42	16.83	19.25	22.74	24.51	26.33
21	24.31	15.51	16.58	15.96	18.03	16.17	11.09	16.94	19.36	22.89	24.55	26.40
22	24.22	15.32	16.69	15.88	18.06	15.96	11.71	17.02	19.47	23.00	24.59	26.46
23	24.09	15.16	16.63	15.96	18.16	15.86	12.18	17.09	19.60	23.05	24.64	26.52
24	24.06	15.07	16.78	16.05	18.23	15.56	12.65	17.14	19.73	23.12	24.68	26.59
25	24.07	14.99	16.84	16.09	18.26	14.96	13.08	17.20	19.85	23.20	24.71	26.64
26	24.09	14.82	16.75	16.18	18.25	14.13	13.46	17.28	19.96	23.25	24.78	26.68
27	24.08	14.69	16.97	16.20	18.34	13.60	13.75	17.36	20.06	23.28	24.86	26.75
28	23.84	14.64	17.09	16.26	18.41	13.56	14.05	17.45	20.17	23.33	24.92	26.80
29	23.58	14.62	17.14	16.40	---	13.60	14.33	17.54	20.31	23.41	24.97	26.90
30	23.12	14.60	17.09	16.48	---	13.62	14.54	17.61	20.43	23.47	25.00	26.98
31	22.54	---	17.14	16.57	---	13.74	---	17.68	---	23.53	25.06	---
Mean	24.10	17.43	16.04	16.38	17.56	16.14	13.15	16.42	18.94	22.23	24.36	26.05
Max	24.52	22.08	17.14	17.17	18.41	18.45	15.18	17.68	20.43	23.53	25.06	26.98
Min	22.54	14.60	14.58	15.71	16.63	13.56	6.97	14.75	17.76	20.57	23.60	25.15

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