



Water-Data Report 2007

405808074583001 Local number 410349 Blairstown 1 Obs

Valley and Ridge aquifers
Martinsburg Shale

Warren County, NJ

LOCATION.--Lat 40°58'08", long 74°58'30" referenced to North American Datum of 1927, Blairstown Township, Warren County, NJ, Hydrologic Unit 02040105, in the Limestone Ridge and Marsh Preserve, Cedar Lake Rd.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 294 ft. Upper casing diameter 6 in, top of first opening 41 ft, bottom of last opening 294 ft. Drilled observation well.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum, July 13, 1999, to present.

PERIOD OF RECORD.--July 1999 to current year.

GAGE.--Water-level recorder--60-minute recording interval.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.62 ft below land surface, Apr. 16, 2007; lowest, 6.09 ft below land surface, Aug. 7, 1999.

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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	5.50	5.19	5.13	5.04	5.45	5.61	5.15	5.18	5.48	5.72	5.63	5.33
2	5.45	5.15	5.08	4.94	5.46	5.05	5.16	5.16	5.38	5.73	5.65	5.37
3	5.48	5.19	5.13	4.96	5.46	5.04	5.20	5.21	5.47	5.74	5.67	5.40
4	5.50	5.23	5.14	5.00	5.48	5.09	5.18	5.23	5.36	5.74	5.67	5.43
5	5.30	5.25	5.18	5.03	5.49	5.12	5.15	5.26	5.44	5.72	5.68	5.45
6	5.38	5.26	5.20	5.06	5.53	5.17	5.18	5.29	5.50	5.73	5.68	5.46
7	5.43	5.28	5.21	5.11	5.54	5.20	5.22	5.31	5.54	5.74	5.68	5.46
8	5.47	5.00	5.24	4.86	5.55	5.22	5.23	5.33	5.57	5.75	5.37	5.48
9	5.49	4.72	5.25	4.77	5.56	5.25	5.26	5.35	5.59	5.75	5.44	5.51
10	5.50	4.81	5.25	4.82	5.56	5.27	5.27	5.36	5.60	5.76	5.40	5.53
11	5.50	4.91	5.29	4.91	5.57	5.24	5.30	5.37	5.61	5.70	5.38	5.52
12	5.48	5.00	5.30	4.99	5.57	5.24	5.20	5.39	5.63	5.66	5.46	5.53
13	5.50	5.05	5.30	5.04	5.57	5.23	5.15	5.41	5.63	5.71	5.52	5.55
14	5.50	5.09	5.31	5.07	5.50	5.17	5.18	5.43	5.63	5.73	5.56	5.57
15	5.52	5.13	5.34	5.11	5.55	5.08	4.46	5.44	5.65	5.75	5.57	5.58
16	5.53	5.11	5.35	5.13	5.58	5.08	2.91	5.45	5.65	5.75	5.59	5.60
17	5.49	4.93	5.37	5.17	5.58	5.10	3.84	5.46	5.66	5.76	5.59	5.60
18	5.28	4.99	5.40	5.20	5.58	5.16	4.42	5.47	5.67	5.73	5.58	5.60
19	5.33	5.03	5.41	5.20	5.59	5.19	4.68	5.49	5.68	5.74	5.60	5.60
20	5.29	5.07	5.43	5.24	5.59	5.18	4.83	5.50	5.56	5.75	5.60	5.62
21	5.28	5.12	5.44	5.27	5.59	5.16	4.93	5.50	5.61	5.77	5.43	5.63
22	5.32	5.15	5.45	5.28	5.59	5.07	4.99	5.53	5.64	5.78	5.34	5.64
23	5.33	4.98	5.23	5.29	5.59	4.81	5.04	5.55	5.66	5.58	5.39	5.64
24	5.36	4.88	5.25	5.29	5.59	4.72	5.08	5.56	5.68	5.37	5.43	5.66
25	5.38	4.92	5.29	5.31	5.60	4.73	5.10	5.57	5.69	5.51	5.45	5.66
26	5.40	4.97	5.20	5.35	5.60	4.82	5.11	5.58	5.70	5.58	5.31	5.66
27	5.42	5.02	5.21	5.36	5.62	4.91	5.08	5.59	5.70	5.61	5.33	5.68
28	5.01	5.06	5.22	5.37	5.62	4.97	5.09	5.59	5.64	5.50	5.38	5.68
29	5.01	5.11	5.24	5.39	---	5.03	5.13	5.60	5.69	5.54	5.42	5.69
30	5.10	5.14	5.25	5.42	---	5.08	5.15	5.61	5.71	5.58	5.43	5.69
31	5.14	---	5.26	5.42	---	5.11	---	5.61	---	5.61	5.26	---
Mean	5.38	5.06	5.27	5.14	5.56	5.10	4.96	5.43	5.60	5.68	5.50	5.56
Max	5.53	5.28	5.45	5.42	5.62	5.61	5.30	5.61	5.71	5.78	5.68	5.69
Min	5.01	4.72	5.08	4.77	5.45	4.72	2.91	5.16	5.36	5.37	5.26	5.33

Water Year 2007	
Mean	5.35
High	2.91
Low	5.78

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