

NORTHAMPTON COUNTY

404745075184001. Local number, NP 820.

LOCATION.--Lat 40°47'45", long 75°18'40", Hydrologic Unit 02040105, at 0.75 mi east of Bushkill Center on SR 1010, at Jacobsburg State Park.
 Owner: Jacobsburg State Park.

AQUIFER.--Martinsburg Shale.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 218 ft, cased to 50 ft.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 578 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal shelf, 3.25 ft above land-surface datum.

REMARKS.--In addition to the daily mean water level table shown below, daily maximum and minimum water levels, are also available from the USGS Pennsylvania Water Science Center Office.

PERIOD OF RECORD.--May 3, 2001 to current year.

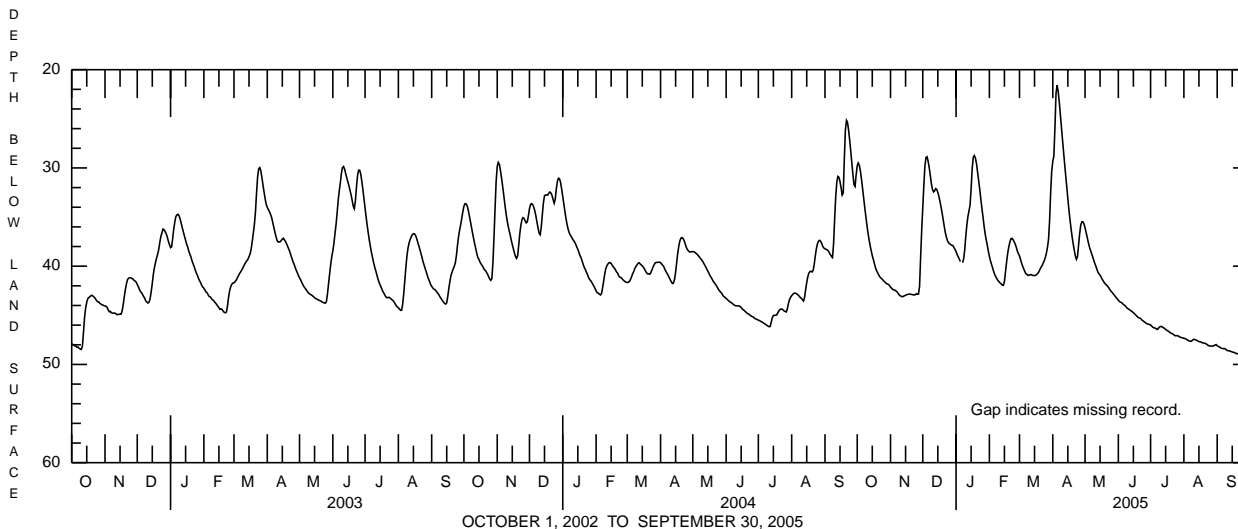
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the instantaneous depth below land surface for the period of record indicated above.

Highest water level, 21.52 ft below land-surface datum, Apr. 5, 2005; lowest, 49.79 ft below land-surface datum, Dec. 8, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 21.52 ft below land-surface datum, Apr. 5; lowest, 49.35 ft below land-surface datum, Sept. 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.78	42.14	34.04	38.52	38.98	38.95	29.32	36.07	43.47	45.98	47.34	48.10
2	29.50	42.24	31.79	38.82	39.45	39.33	28.81	36.56	43.59	46.09	47.36	48.16
3	29.75	42.36	29.81	39.04	39.82	39.70	25.95	37.05	43.66	46.21	47.42	48.22
4	30.34	42.43	28.93	39.28	40.18	40.01	22.39	37.56	43.71	46.27	47.50	48.29
5	31.18	42.43	28.86	39.53	40.54	40.30	21.60	38.00	43.82	46.29	47.55	48.36
6	32.10	42.52	29.33	---	40.86	40.55	22.19	38.36	43.92	46.34	47.61	48.39
7	33.07	42.60	29.97	39.65	41.08	40.76	23.25	38.67	44.00	46.44	47.65	48.39
8	34.01	42.76	30.76	39.29	41.28	40.84	24.51	39.00	44.11	46.39	47.64	48.39
9	34.92	42.91	31.60	38.40	41.47	40.94	25.81	39.36	44.25	46.22	47.53	48.46
10	35.79	43.02	32.18	37.00	41.59	40.92	27.07	39.69	44.33	46.15	47.45	48.56
11	36.61	43.06	32.44	35.85	41.72	40.87	28.33	39.97	44.40	46.14	47.45	48.61
12	37.28	43.12	32.34	34.96	41.80	40.86	29.57	40.30	44.49	46.19	47.51	48.61
13	37.89	43.06	32.11	34.39	41.93	40.93	30.74	40.60	44.56	46.26	47.55	48.64
14	38.43	43.02	32.18	33.79	41.95	40.95	31.91	40.77	44.64	46.34	47.62	48.69
15	38.92	42.95	32.49	32.10	41.57	40.95	33.13	40.92	44.74	46.44	47.67	48.73
16	39.31	42.90	32.88	30.04	40.57	40.93	34.24	41.12	44.83	46.52	47.70	48.77
17	39.74	42.88	33.40	28.90	39.59	40.84	35.24	41.33	44.95	46.58	47.72	48.78
18	40.16	42.84	33.99	28.74	38.73	40.73	36.18	41.51	45.06	46.65	47.79	48.85
19	40.45	42.84	34.58	28.99	38.05	40.58	37.02	41.69	45.18	46.74	47.82	48.91
20	40.67	42.86	35.27	29.57	37.58	40.34	37.73	41.81	45.25	46.82	47.84	48.90
21	40.89	42.89	35.95	30.43	37.21	40.12	38.39	41.93	45.28	46.86	47.86	48.96
22	41.08	42.91	36.59	31.28	37.17	39.95	38.96	42.05	45.35	46.93	47.93	48.99
23	41.21	42.93	37.04	32.17	37.30	39.70	39.30	42.19	45.48	47.02	48.02	49.02
24	41.30	42.91	37.43	33.16	37.50	39.47	39.02	42.36	45.57	47.08	48.08	49.12
25	41.42	42.80	37.61	34.06	37.74	39.13	37.84	42.52	45.65	47.07	48.13	49.11
26	41.54	42.86	37.72	34.93	38.07	38.70	36.71	42.64	45.73	47.09	48.12	49.06
27	41.64	42.84	37.80	35.87	38.46	38.13	35.83	42.78	45.83	47.11	48.14	49.15
28	41.76	42.06	37.87	36.67	38.72	37.30	35.48	42.92	45.86	47.20	48.13	49.22
29	41.81	39.15	37.90	37.29	---	35.40	35.48	43.06	45.91	47.24	48.08	49.19
30	41.86	36.32	38.10	37.85	---	32.53	35.69	43.20	45.94	47.28	48.02	49.30
31	41.96	---	38.28	38.47	---	30.34	---	43.33	---	47.31	47.98	---
MEAN	37.62	42.42	33.91	34.97	39.68	39.39	31.92	40.62	44.79	46.62	47.75	48.73
MAX	41.96	43.12	38.28	39.65	41.95	40.95	39.30	43.33	45.94	47.31	48.14	49.30
MIN	29.50	36.32	28.86	28.74	37.17	30.34	21.60	36.07	43.47	45.98	47.34	48.10



OCTOBER 1, 2002 TO SEPTEMBER 30, 2005