

MONTGOMERY COUNTY

401415075175101. Local number, MG 68.
(North Penn Project)

LOCATION.--Lat 40°14'15", long 75°17'49", Hydrologic Unit 02040203, on Towamencin Street southwest from Whites Road, Upper Gwynedd Township.

Owner: North Penn Water Authority.

AQUIFER.--Shale of Brunswick Group of Triassic Age.

WELL CHARACTERISTICS.--Drilled unused public supply well, diameter 14 in., depth 500 ft, cased to 9 ft, open hole.

INSTRUMENTATION.--Electronic data logger with 15-minute recording interval.

DATUM.--Elevation of land-surface datum is 321.7 ft above National Geodetic Vertical Datum of 1929, from survey. Measuring point: Top of plywood shelf, about 0.5 ft above land-surface datum. Horizontal datum is NAD83.

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

PERIOD OF RECORD.--August 1996 to January 2000; December 2000 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, 33.01 ft below land-surface datum, Apr. 17, 2001; lowest, 54.76 ft below below land-surface datum, Dec. 27, 1998.

EXTREMES FOR CURRENT YEAR.--Highest water level, 36.65 ft below land-surface datum, June 17; lowest, 44.06 ft below land-surface datum, Dec. 8.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.77	42.37	43.51	42.17	40.22	---	38.54	38.66	37.68	36.93	39.19	39.28
2	39.91	42.38	43.58	42.21	40.49	---	38.72	38.37	37.73	36.96	39.34	38.74
3	40.12	42.43	43.54	42.15	40.21	40.93	38.70	38.50	37.87	36.98	39.31	38.69
4	40.23	42.33	43.55	42.32	39.90	40.80	38.95	38.68	37.91	36.99	38.93	38.71
5	40.39	42.29	43.65	42.42	40.24	40.79	38.94	38.53	37.82	37.23	38.60	38.77
6	40.44	42.36	43.63	42.33	40.27	40.63	38.94	38.34	37.63	37.46	38.61	39.02
7	40.65	42.46	43.78	42.07	40.14	40.58	39.04	38.22	37.63	37.59	38.76	39.30
8	40.75	42.63	43.99	42.06	40.28	40.64	38.84	38.42	37.59	37.53	38.77	39.44
9	40.83	42.85	43.56	41.74	40.57	40.54	38.84	38.39	37.34	37.54	38.99	39.27
10	40.85	42.84	43.39	41.68	40.30	40.40	39.08	38.35	37.16	37.76	39.15	39.36
11	40.94	43.07	43.21	41.53	40.06	40.40	39.22	38.53	37.16	37.85	39.21	39.49
12	41.06	43.12	43.21	41.40	40.15	40.28	39.17	38.23	37.04	38.02	39.18	39.77
13	41.26	43.16	43.01	41.15	40.40	40.18	39.02	37.70	37.01	38.27	39.35	40.04
14	41.27	43.17	42.91	41.21	40.62	40.19	38.91	37.63	36.91	38.32	39.52	40.37
15	41.14	43.25	42.98	41.07	40.55	40.05	38.77	37.86	36.74	38.14	39.59	40.46
16	41.02	43.40	42.88	41.29	40.51	40.07	38.98	37.73	36.71	38.30	39.74	40.11
17	41.08	43.56	42.37	41.14	40.59	40.29	39.07	37.66	36.69	38.49	39.87	40.09
18	41.35	43.55	42.10	41.30	40.78	39.77	39.21	37.54	36.92	38.49	39.90	40.25
19	41.38	43.47	42.23	41.33	40.79	39.63	39.29	37.49	36.99	38.66	39.90	40.29
20	41.46	43.49	42.10	41.37	40.75	39.25	39.33	37.31	36.90	38.98	39.98	40.47
21	41.59	43.52	42.20	41.18	40.71	38.93	39.39	37.37	36.95	39.09	39.98	40.67
22	41.51	43.55	42.34	41.40	40.84	39.07	39.13	37.49	36.95	38.95	39.82	40.80
23	41.54	43.65	42.26	41.28	41.01	39.06	39.33	37.46	36.88	39.04	39.73	40.91
24	41.60	43.76	42.04	40.89	41.08	39.08	39.46	37.37	36.72	38.94	39.72	41.13
25	41.73	43.73	41.95	40.87	40.93	39.08	39.28	37.67	36.95	38.69	39.63	41.27
26	41.96	43.45	41.58	40.78	40.80	39.05	39.41	37.63	37.03	38.75	39.56	41.14
27	42.19	43.35	41.51	40.66	40.95	38.87	39.52	37.49	37.03	38.85	39.68	40.59
28	42.40	43.42	41.60	40.41	41.34	38.87	38.86	37.63	37.00	38.90	39.84	40.46
29	42.28	43.46	41.75	40.40	---	38.85	38.66	37.67	37.12	38.87	39.59	40.37
30	42.30	43.44	41.96	40.52	---	38.79	38.76	37.53	37.09	39.02	39.49	40.09
31	42.40	---	42.09	40.56	---	38.82	---	37.56	---	39.20	39.51	---
MEAN	41.21	43.12	42.72	41.38	40.55	39.79	39.05	37.90	37.17	38.22	39.43	39.98
MAX	42.40	43.76	43.99	42.42	41.34	40.93	39.52	38.68	37.91	39.20	39.98	41.27
MIN	39.77	42.29	41.51	40.40	39.90	38.79	38.54	37.31	36.69	36.93	38.60	38.69

