

MONTGOMERY COUNTY

401338075162801. Local number, MG 72.
(North Penn Area 7 Project)

LOCATION.--Lat 40°13'38", long 75°16'27", Hydrologic Unit 02040203, on Hancock Street near Wissahickon Creek, Upper Gwynedd Township.
Owner: North Penn Water Authority.

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

WELL CHARACTERISTICS.--Drilled unused public supply well, diameter 10 in., depth 298 ft, cased to 41.5 ft, open hole.

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

DATUM.--Elevation of land-surface datum is 355.1 ft above National Geodetic Vertical Datum of 1929, from survey. Measuring point: Top of concrete pad, about 0.85 ft above well-house floor and 1.47 ft above land-surface datum. Horizontal datum is NAD83.

REMARKS.--Records good except for period July 3 to Sept. 30, which is fair to poor because of applied corrections for drift in transducer ranging from 0.24-1.41 ft per month. 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.--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, 13.07 ft below land-surface datum, June 14, 2003; lowest, 58.03 ft below land-surface datum, Dec. 4, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 10.25 ft below land-surface datum, June 21; lowest, 45.38 ft below land-surface datum, Oct. 10.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	30.90	22.07	17.08	18.68	16.87	14.34	15.80	---	15.65	18.19	17.70
2	43.45	30.28	22.26	15.91	18.62	16.47	14.44	14.98	---	15.78	17.68	17.53
3	43.75	29.90	22.56	15.85	18.70	15.89	14.63	16.10	---	15.87	17.48	17.12
4	44.03	29.69	22.75	15.70	18.48	15.82	14.81	16.45	---	16.03	17.29	16.71
5	43.88	29.97	22.76	15.94	18.63	15.57	14.96	---	---	16.17	16.79	16.37
6	44.08	29.65	23.03	16.03	18.71	15.05	15.38	---	13.04	15.82	14.79	16.53
7	44.26	29.21	23.13	16.17	18.44	14.93	15.59	---	13.35	15.19	15.10	16.69
8	44.65	28.81	23.13	16.03	18.55	14.90	15.45	---	12.57	16.03	15.50	16.90
9	44.95	28.74	23.32	16.15	18.51	14.01	14.89	---	12.91	16.28	15.38	17.17
10	45.28	28.77	23.19	16.46	18.32	12.82	13.91	---	13.57	16.48	14.14	17.30
11	44.42	28.98	23.01	16.84	18.48	14.48	13.52	---	13.99	16.49	13.78	17.44
12	41.58	28.63	21.21	17.10	18.55	14.81	12.82	---	14.43	16.69	13.48	17.64
13	38.96	27.40	19.86	17.09	18.78	14.67	13.19	---	14.69	15.61	14.75	17.71
14	37.76	26.63	18.40	17.29	19.08	14.58	13.69	---	13.35	15.07	15.26	17.33
15	37.44	26.25	18.45	17.46	19.41	14.57	13.85	---	13.29	16.11	15.53	16.65
16	35.26	25.98	18.75	17.63	19.81	14.53	14.06	---	13.83	16.72	15.67	15.10
17	35.15	24.54	19.29	17.58	19.86	14.30	14.65	---	14.24	17.51	15.91	15.34
18	32.78	23.29	19.53	17.86	20.16	14.36	14.97	---	14.04	17.87	16.22	15.46
19	33.22	23.00	19.47	17.85	20.40	14.88	15.12	---	13.56	17.86	16.45	14.34
20	31.44	22.96	19.15	17.90	20.45	14.75	15.22	---	12.55	17.84	16.61	14.22
21	31.84	22.85	18.54	18.20	20.08	12.99	15.23	---	10.37	17.97	16.70	14.69
22	34.14	22.65	18.42	18.32	19.00	13.20	15.28	---	11.03	17.75	16.78	14.98
23	35.13	22.64	18.64	18.16	17.06	13.74	15.53	---	12.03	17.50	16.94	14.29
24	35.93	22.62	18.82	18.49	16.53	14.19	15.75	---	12.92	17.24	17.14	13.74
25	36.62	22.59	18.35	18.66	16.47	14.49	15.87	---	13.53	17.16	17.24	14.09
26	34.46	20.41	17.93	18.61	16.49	14.64	15.83	---	13.97	17.22	17.42	14.53
27	31.95	20.37	17.72	18.81	16.49	14.93	15.92	---	14.41	17.13	17.64	14.82
28	31.41	21.76	17.57	18.79	16.65	14.99	16.00	---	14.91	17.19	17.74	13.92
29	33.13	21.68	17.71	18.80	---	13.83	16.01	---	15.08	17.37	17.73	13.06
30	32.86	21.67	17.89	18.98	---	14.56	15.55	---	15.43	17.70	17.80	14.12
31	31.80	---	17.69	18.89	---	14.28	---	---	---	18.01	17.77	---
MEAN	37.85	25.76	20.15	17.44	18.55	14.65	14.88	15.83	13.48	16.75	16.35	15.78
MAX	45.28	30.90	23.32	18.98	20.45	16.87	16.01	16.45	15.43	18.01	18.19	17.71
MIN	31.41	20.37	17.57	15.70	16.47	12.82	12.82	14.98	10.37	15.07	13.48	13.06

