

MONTGOMERY COUNTY

401733075171401. Local number, MG 917.

LOCATION.--Lat 40°17'33", long 75°17'13", Hydrologic Unit 02040201, at North Penn Water Authority at Lansdale.

Owner: North Penn Water Authority.

AQUIFER.--Shale of Brunswick Formation of Late Triassic Age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 500 ft, cased to 40 ft, open hole.

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

DATUM.--Elevation of land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of plywood shelf, 3.39 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.--August 1997 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, 6.31 ft below land-surface datum, Apr. 3, 2005; lowest, 12.66 ft below land-surface datum, Aug. 16, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 6.31 ft below land-surface datum, Apr. 3; lowest, 11.69 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	7.73	8.84	7.19	8.12	8.60	6.96	7.38	8.22	9.62	9.84	9.81	10.24
2	7.63	8.89	7.33	8.35	8.68	7.21	6.80	8.34	9.67	9.90	9.71	10.36
3	7.62	8.90	7.14	8.11	8.55	7.53	6.52	8.42	9.57	10.10	9.73	10.47
4	7.58	8.82	7.30	8.00	8.51	7.71	6.87	8.60	9.42	10.10	9.84	10.61
5	7.83	8.55	7.41	7.99	8.69	7.70	7.19	8.73	9.42	9.94	9.90	10.79
6	8.04	8.56	7.57	7.69	8.85	7.62	7.18	8.55	9.39	9.82	10.03	10.85
7	8.10	8.45	7.33	7.85	8.62	7.43	7.04	8.23	9.30	9.93	10.10	10.77
8	8.11	8.65	7.30	7.72	8.29	7.10	7.03	8.20	9.29	9.81	10.16	10.63
9	8.02	8.92	7.42	7.75	8.06	7.57	7.19	8.38	9.37	9.73	10.16	10.66
10	8.01	8.97	6.88	7.42	7.67	7.59	7.14	8.51	9.37	9.67	10.06	10.84
11	8.14	8.71	6.61	7.48	7.73	7.38	7.19	8.49	9.32	9.55	10.04	10.98
12	8.06	8.66	6.82	7.37	7.72	7.33	7.24	8.69	9.28	9.47	10.09	10.91
13	8.08	8.70	6.87	7.24	8.04	7.69	7.21	8.94	9.12	9.43	10.07	10.88
14	8.10	8.70	7.32	7.19	8.09	7.88	7.41	8.64	9.01	9.40	10.10	10.94
15	8.14	8.40	7.69	7.61	7.80	8.00	7.85	8.54	9.00	9.44	10.24	11.03
16	8.26	8.17	7.68	7.30	7.41	8.01	8.03	8.74	9.05	9.52	10.28	11.08
17	8.56	8.09	7.55	7.08	7.38	7.95	7.84	9.00	9.23	9.50	10.17	11.04
18	8.86	7.98	7.55	7.38	7.49	7.97	7.77	9.08	9.46	9.44	10.20	11.18
19	8.80	7.96	7.27	7.17	7.75	8.13	7.80	9.12	9.74	9.40	10.18	11.32
20	8.82	8.04	7.53	6.99	7.84	8.04	7.74	9.07	9.87	9.45	10.09	11.24
21	8.80	8.12	7.82	7.34	7.49	8.04	7.88	9.03	9.75	9.43	9.95	11.31
22	8.81	8.11	8.00	7.31	7.61	8.21	8.03	8.94	9.67	9.42	9.95	11.31
23	8.71	8.10	7.80	7.25	7.73	8.00	7.71	8.84	9.91	9.52	10.10	11.28
24	8.52	7.92	7.94	7.67	7.72	7.89	7.67	8.92	9.99	9.60	10.22	11.55
25	8.55	7.59	8.00	7.63	7.60	7.86	7.91	9.03	9.99	9.49	10.35	11.55
26	8.65	8.19	7.88	7.63	7.64	7.87	8.19	9.01	10.06	9.50	10.29	11.29
27	8.72	8.34	8.03	8.32	7.74	7.83	8.10	9.10	10.15	9.49	10.23	11.36
28	8.83	7.87	8.19	8.73	7.31	7.29	8.23	9.18	10.08	9.70	10.22	11.56
29	8.70	7.92	7.93	8.53	---	7.12	8.36	9.25	10.02	9.81	10.27	11.40
30	8.52	7.76	8.16	8.20	---	7.44	8.22	9.36	9.95	9.88	10.21	11.59
31	8.51	---	8.14	8.44	---	7.48	---	9.45	---	9.88	10.0	---
MEAN	8.32	8.36	7.54	7.71	7.95	7.67	7.56	8.79	9.57	9.65	10.09	11.03
MAX	8.86	8.97	8.19	8.73	8.85	8.21	8.36	9.45	10.15	10.10	10.35	11.59
MIN	7.58	7.59	6.61	6.99	7.31	6.96	6.52	8.20	9.00	9.40	9.71	10.24

