

MONTGOMERY COUNTY

401733075171401. Local number, MG 917.

LOCATION.--Lat 40°17'33", long 75°17'14", Hydrologic Unit 02040201, at North Penn Water Authority at Lansdale.

Owner: North Penn Water Authority.

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

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

INSTRUMENTATION.--Electronic data logger with 60-minute recording interval.

DATUM.--Elevation of land-surface datum is 350 ft above sea level, from topographic map. Measuring point: Top of plywood shelf, 3.4 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 District Office.

PERIOD OF RECORD.--August 1997 to current year.

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

Highest water level, 7.30 ft below land-surface datum, May 15, 1998; lowest, 12.66 ft below land-surface datum, Aug. 16, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.43	10.81	11.79	12.31	9.74	8.35	8.53	8.94	10.21	11.27	12.18	11.61
2	10.72	10.84	11.85	12.50	9.20	8.72	8.60	8.92	10.18	11.30	12.37	11.52
3	10.90	10.88	11.66	11.79	9.08	8.62	8.73	8.87	10.17	11.41	12.49	11.47
4	10.98	10.92	11.70	12.01	8.94	8.43	8.54	8.88	10.39	11.40	12.41	11.51
5	10.98	11.01	11.79	12.09	9.19	9.14	8.96	8.97	10.58	11.37	12.32	11.47
6	11.07	11.12	11.73	11.90	9.00	8.80	8.99	9.08	10.62	11.34	12.44	11.40
7	10.97	11.35	11.71	11.82	8.96	8.87	8.86	9.15	10.47	11.41	12.56	11.28
8	10.65	11.45	11.88	11.86	9.02	9.09	8.77	9.15	10.36	11.50	12.41	11.26
9	10.58	11.50	12.04	11.34	9.15	8.73	8.66	9.28	10.51	11.53	12.50	11.25
10	10.47	11.52	12.06	11.53	9.19	8.37	8.91	9.49	10.84	11.51	12.54	11.18
11	10.48	11.34	12.01	11.50	9.31	8.40	8.90	9.70	10.93	11.81	12.49	11.30
12	10.53	11.67	12.05	11.29	8.96	8.54	8.54	9.59	10.92	11.98	12.60	11.41
13	10.34	11.58	11.73	11.34	9.08	8.81	8.47	9.57	10.85	11.98	12.56	11.32
14	10.13	11.37	11.86	11.52	9.22	8.80	8.35	9.88	10.72	---	12.47	11.21
15	10.34	11.24	11.95	10.98	9.17	8.51	8.35	10.06	10.78	---	12.60	11.13
16	10.50	11.46	11.65	10.98	9.01	8.71	8.18	10.11	10.90	12.13	12.66	10.58
17	10.45	11.43	11.52	11.04	8.85	8.56	8.32	10.10	10.86	12.07	12.37	10.54
18	10.25	11.84	11.92	10.59	8.77	8.39	8.48	10.03	11.00	12.05	12.19	10.44
19	10.15	11.77	12.06	10.43	8.72	8.68	8.58	9.94	11.14	11.99	12.25	10.31
20	10.20	11.50	12.12	10.39	8.65	8.80	8.51	10.06	11.15	12.08	12.24	10.14
21	10.24	11.71	12.03	10.32	8.68	8.56	8.60	10.14	11.06	12.16	12.16	9.98
22	10.41	11.98	11.86	10.40	8.91	8.19	8.55	10.06	10.97	12.05	12.11	9.90
23	10.55	11.76	12.32	10.27	9.14	8.44	8.51	9.92	10.91	11.99	12.08	9.90
24	10.54	11.71	12.14	9.85	9.11	8.17	8.73	9.76	10.89	11.92	12.06	9.85
25	10.53	11.91	12.23	9.85	8.88	8.21	8.69	9.92	10.86	11.89	12.00	9.90
26	10.65	11.55	12.08	9.88	8.81	8.37	8.35	9.96	10.89	11.94	11.82	10.16
27	10.75	11.74	12.18	9.48	8.90	8.31	8.53	10.04	10.93	12.04	11.76	10.22
28	10.46	11.85	12.05	9.28	8.51	8.16	8.77	10.15	10.82	12.08	11.69	10.18
29	10.48	11.89	11.82	9.60	---	8.26	8.79	10.25	10.77	12.01	11.60	9.98
30	10.55	11.86	11.83	9.79	---	8.58	8.92	10.31	11.14	12.03	11.73	9.75
31	10.66	---	12.19	10.02	---	8.62	---	10.26	---	12.14	11.73	---
MEAN	10.55	11.49	11.93	10.90	9.01	8.55	8.62	9.69	10.76	11.81	12.24	10.74
MAX	11.07	11.98	12.32	12.50	9.74	9.14	8.99	10.31	11.15	12.16	12.66	11.61
MIN	10.13	10.81	11.52	9.28	8.51	8.16	8.18	8.87	10.17	11.27	11.60	9.75

WTR YR 1999: HIGHEST 8.16, MARCH 28; LOWEST 12.66, AUGUST 16.

