

MONTGOMERY COUNTY

401456075173001. Local number MG 67.

LOCATION.--Lat 40°14' 56", long 75°17' 28", Hydrologic Unit 02040201, on 3rd Street between Valley Forge Road and Mitchell Street, Lansdale.
Owner: North Penn Water Authority.

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

WELL CHARACTERISTICS.--Drilled unused public supply well, diameter 8 in., depth 292 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Electronic data logger with 15-minute recording interval. From Nov. 17-24, 1997, a 2-minute recording interval was used.

DATUM.--Elevation of land-surface datum is 325.4 ft above sea level, from survey. Measuring point: Top of casing, 1.3 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.--October 1995 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, 9.76 ft below land-surface datum, Dec. 16, 1996; lowest, 18.24 ft below below land-surface datum, Oct. 24, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.82	15.04	14.76	15.03	13.26	12.04	11.57	11.48	11.31	11.86	13.49	14.26
2	14.02	14.96	15.07	14.81	13.23	11.97	11.37	11.33	11.36	12.18	13.48	14.18
3	13.97	15.23	15.09	14.73	13.13	11.94	11.39	11.50	11.38	12.23	13.45	14.28
4	14.06	15.30	14.80	14.75	12.90	12.17	11.21	11.63	11.54	12.15	13.51	14.29
5	14.11	15.54	14.80	14.72	12.68	12.32	11.31	11.74	11.55	12.20	13.59	14.51
6	14.22	15.43	14.92	14.54	12.89	12.47	11.36	11.75	11.65	12.35	13.66	14.42
7	---	15.14	15.06	14.42	12.95	12.43	11.50	11.67	11.78	12.33	13.76	14.24
8	---	15.00	15.23	14.10	12.92	12.32	11.44	11.36	11.89	12.20	13.88	14.21
9	14.53	14.95	15.19	14.08	13.03	11.64	11.21	11.11	12.00	12.09	13.86	14.38
10	14.52	15.16	15.03	14.35	13.11	11.82	11.15	10.91	12.00	12.09	13.74	14.51
11	14.70	15.24	15.19	14.29	12.95	12.16	11.42	10.72	12.03	12.18	13.72	14.49
12	14.76	15.26	15.19	14.35	12.54	12.17	11.52	10.94	11.79	12.25	13.94	14.40
13	14.77	15.32	15.08	14.15	12.92	12.21	11.44	10.76	11.44	12.31	14.07	14.53
14	14.78	14.94	15.12	14.37	13.08	11.87	11.15	10.77	11.22	12.35	14.09	14.64
15	14.93	15.09	15.24	14.08	13.30	12.12	11.13	10.65	11.22	12.39	14.06	14.64
16	14.97	15.14	15.17	13.68	13.26	12.35	11.22	10.62	11.29	12.33	14.17	14.63
17	14.99	15.31	15.09	13.81	12.89	12.37	11.25	10.68	11.44	12.26	14.13	14.69
18	15.00	15.42	15.22	13.86	12.40	12.15	11.63	10.75	11.49	12.41	14.01	14.74
19	14.91	15.19	15.20	13.79	12.46	11.74	11.48	10.69	11.47	12.55	14.15	14.75
20	14.95	15.17	15.19	13.77	12.40	11.59	11.42	10.74	11.49	12.54	14.20	14.74
21	15.10	15.15	15.43	13.91	12.44	11.29	11.58	10.82	11.69	12.66	14.12	---
22	15.14	14.95	15.40	13.97	12.66	11.26	11.52	11.04	11.84	12.66	14.06	---
23	15.26	15.01	15.13	13.63	12.37	11.53	11.33	11.15	11.81	12.66	14.00	---
24	15.31	15.05	15.27	13.15	11.85	11.71	11.34	11.25	11.82	12.80	13.97	---
25	15.24	15.07	14.92	13.29	12.05	11.93	11.56	11.18	11.85	12.98	14.04	---
26	15.35	14.71	15.01	13.49	12.23	11.71	11.64	11.26	11.75	13.00	14.11	---
27	14.95	14.95	14.87	13.33	12.12	11.54	11.75	11.44	11.73	13.00	14.19	---
28	15.25	14.96	14.92	12.89	12.08	11.47	11.89	11.51	12.03	12.99	14.14	---
29	15.35	14.99	14.69	12.90	---	11.51	11.82	11.48	11.98	13.01	14.12	---
30	15.42	14.72	14.25	12.87	---	11.59	11.65	11.50	11.72	13.17	14.20	---
31	15.40	---	14.80	13.07	---	11.61	---	11.38	---	13.26	14.23	---
MEAN	14.82	15.11	15.04	13.94	12.72	11.90	11.44	11.16	11.65	12.50	13.94	14.48
MAX	15.42	15.54	15.43	15.03	13.30	12.47	11.89	11.75	12.03	13.26	14.23	14.75
MIN	13.82	14.71	14.25	12.87	11.85	11.26	11.13	10.62	11.22	11.86	13.45	14.18

WTR YR 1998: HIGHEST 10.62, MAY 16; LOWEST 15.54, NOVEMBER 5.

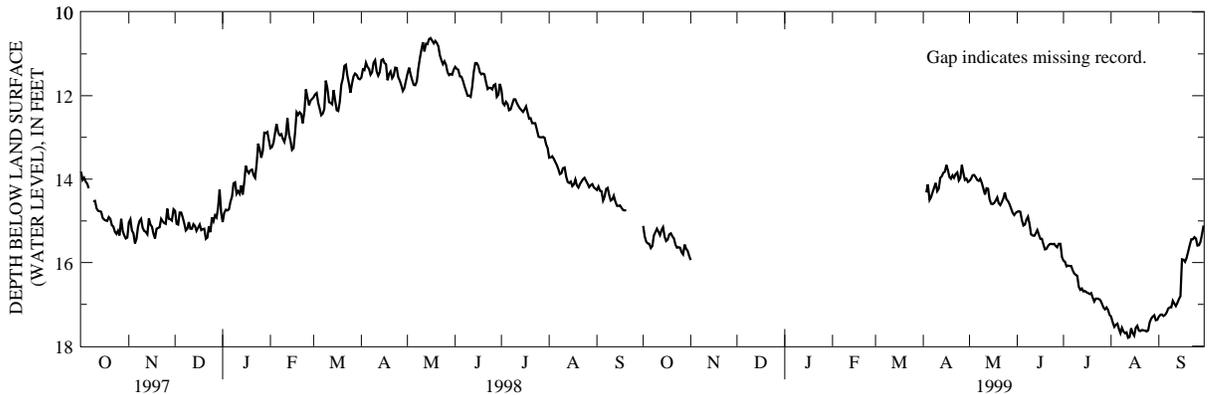
MONTGOMERY COUNTY

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.12	15.94	---	---	---	---	---	14.04	14.78	15.95	17.29	17.29
2	15.37	---	---	---	---	---	---	13.99	14.77	15.98	17.44	17.25
3	15.50	---	---	---	---	---	14.32	13.91	14.78	16.09	17.54	17.24
4	15.54	---	---	---	---	---	14.13	13.90	14.98	16.07	17.49	17.28
5	15.55	---	---	---	---	---	14.50	13.95	15.11	16.08	17.46	17.25
6	15.65	---	---	---	---	---	14.43	14.02	15.09	16.08	17.59	17.19
7	15.60	---	---	---	---	---	14.31	14.04	14.97	16.18	17.69	17.10
8	15.35	---	---	---	---	---	14.20	13.99	14.90	16.26	17.56	17.07
9	15.27	---	---	---	---	---	14.09	14.10	15.07	16.29	17.65	17.07
10	15.19	---	---	---	---	---	14.29	14.24	15.32	16.32	17.69	16.91
11	15.26	---	---	---	---	---	14.23	14.37	15.35	16.58	17.67	16.98
12	15.34	---	---	---	---	---	13.97	14.22	15.36	16.65	17.80	17.04
13	15.22	---	---	---	---	---	13.93	14.23	15.30	16.62	17.78	16.96
14	15.15	---	---	---	---	---	13.85	14.48	15.22	16.69	17.57	16.87
15	15.37	---	---	---	---	---	13.82	14.59	15.33	16.68	17.69	16.80
16	15.48	---	---	---	---	---	13.66	14.60	15.43	16.71	17.75	15.92
17	15.45	---	---	---	---	---	13.79	14.57	15.43	16.73	17.56	15.93
18	15.32	---	---	---	---	---	13.95	14.51	15.57	16.75	17.51	15.98
19	15.30	---	---	---	---	---	13.99	14.44	15.68	16.73	17.63	15.89
20	15.37	---	---	---	---	---	13.91	14.58	15.67	16.84	17.64	15.74
21	15.42	---	---	---	---	---	13.97	14.62	15.60	16.93	17.61	15.59
22	15.57	---	---	---	---	---	13.88	14.55	15.56	16.86	17.62	15.44
23	15.64	---	---	---	---	---	13.84	14.46	15.55	16.86	17.63	15.44
24	15.63	---	---	---	---	---	14.03	14.32	15.56	16.87	17.65	15.39
25	15.64	---	---	---	---	---	13.97	14.48	15.55	16.90	17.62	15.42
26	15.75	---	---	---	---	---	13.66	14.53	15.60	16.98	17.43	15.59
27	15.80	---	---	---	---	---	13.86	14.61	15.63	17.07	17.34	15.58
28	15.57	---	---	---	---	---	14.02	14.71	15.55	17.12	17.29	15.50
29	15.67	---	---	---	---	---	13.99	14.81	15.55	17.07	17.26	15.31
30	15.72	---	---	---	---	---	14.07	14.86	15.87	17.13	17.38	15.11
31	15.84	---	---	---	---	---	---	14.81	---	17.25	17.37	---
MEAN	15.47	15.94	---	---	---	---	14.02	14.37	15.34	16.62	17.55	16.34
MAX	15.84	15.94	---	---	---	---	14.50	14.86	15.87	17.25	17.80	17.29
MIN	15.12	15.94	---	---	---	---	13.66	13.90	14.77	15.95	17.26	15.11

WTR YR 1999: HIGHEST RECORDED 13.66, APRIL 26; LOWEST RECORDED 17.80, AUGUST 12.



2-YEAR HYDROGRAPH
OCTOBER 1, 1997 TO SEPTEMBER 30, 1999