

WARREN COUNTY

414159079213601. Local number, WR 50.

LOCATION.--Lat 41°41'59", long 79°21'36", Hydrologic Unit 05010003, at State Game Land Number 86.

Owner: U.S. Geological Survey.

AQUIFER.--Shale of Venango Formation of Late Devonian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 105 ft, cased to 46 ft, open hole.

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

DATUM.--Elevation of land-surface datum is 1,170 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1987, are available from the USGS Pennsylvania Water Science Center Office.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 36.52 ft below land-surface datum, May 28, 2004; lowest, 45.42 ft below land-surface datum, Nov. 2, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 37.04 ft below land-surface datum, Apr. 8; lowest, 42.01 ft below land-surface datum, Sept. 24.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38.50	40.11	39.81	39.00	38.67	37.97	37.90	37.90	39.15	40.14	41.35	41.63
2	38.62	40.11	39.65	39.01	38.72	38.23	37.83	37.89	39.21	40.29	41.34	41.70
3	38.69	40.14	39.52	38.87	38.70	38.42	37.30	37.92	39.20	40.38	41.35	41.78
4	38.77	40.13	39.48	38.60	38.83	38.44	37.43	38.03	39.22	40.44	41.37	41.86
5	38.95	39.85	39.54	38.49	38.94	38.53	37.46	38.06	39.28	40.42	41.42	41.92
6	39.05	39.85	39.54	38.25	38.97	38.52	37.37	37.99	39.29	40.49	41.47	41.94
7	39.13	39.85	39.41	38.18	38.97	38.45	37.24	37.84	39.33	40.56	41.47	41.91
8	39.14	40.07	39.39	38.17	38.85	38.36	37.11	37.82	39.39	40.58	41.49	41.83
9	39.09	40.17	39.38	38.16	38.71	38.45	37.20	37.96	39.47	40.66	41.48	41.78
10	39.20	40.17	39.15	38.05	38.46	38.45	37.24	38.00	39.52	40.74	41.47	41.84
11	39.26	40.08	38.83	38.04	38.45	38.38	37.31	38.14	39.57	40.76	41.48	41.88
12	39.26	40.14	38.86	37.92	38.42	38.30	37.33	38.38	39.58	40.76	41.49	41.86
13	39.20	40.31	38.88	37.69	38.61	38.58	37.34	38.42	39.57	40.75	41.48	41.81
14	39.15	40.36	39.16	37.67	38.61	38.72	37.50	38.32	39.54	40.76	41.53	41.76
15	39.16	40.36	39.19	37.81	38.42	38.81	37.72	38.24	39.51	40.83	41.62	41.84
16	39.30	40.29	39.18	37.81	38.28	38.81	37.84	38.36	39.58	40.88	41.65	41.84
17	39.55	40.19	38.96	37.65	38.17	38.77	37.83	38.42	39.64	40.90	41.65	41.84
18	39.67	40.14	38.94	37.79	38.32	38.78	37.80	38.46	39.77	40.90	41.66	41.91
19	39.69	40.12	38.72	37.74	38.43	38.78	37.82	38.45	39.89	40.96	41.61	41.96
20	39.77	40.12	38.80	37.52	38.46	38.74	37.82	38.39	39.94	41.03	41.62	41.92
21	39.88	40.24	38.79	37.81	38.26	38.63	37.96	38.46	39.89	41.03	41.62	41.96
22	39.96	40.24	38.91	37.81	38.25	38.58	37.96	38.44	39.90	41.05	41.63	41.96
23	39.98	40.19	38.90	38.02	38.35	38.48	37.80	38.39	39.99	41.15	41.72	41.96
24	39.90	40.13	38.78	38.03	38.35	38.12	37.68	38.52	40.01	41.16	41.80	42.01
25	40.02	40.01	38.79	37.95	38.24	38.11	37.84	38.62	40.04	41.09	41.82	42.00
26	40.12	40.18	38.82	38.12	38.36	38.07	37.93	38.67	40.11	41.10	41.80	41.91
27	40.18	40.18	39.08	38.58	38.40	38.04	37.98	38.71	40.17	41.11	41.71	41.84
28	40.21	40.04	39.09	38.68	38.28	37.88	38.05	38.76	40.16	41.21	41.70	41.86
29	40.19	40.08	38.82	38.59	---	37.74	38.05	38.86	40.15	41.29	41.74	41.79
30	40.03	40.06	38.87	38.39	---	37.82	38.00	38.95	40.18	41.35	41.72	41.84
31	40.02	---	38.87	38.54	---	37.80	---	39.08	---	41.37	41.52	---
MEAN	39.47	40.13	39.10	38.16	38.52	38.38	37.65	38.34	39.67	40.84	41.57	41.86
MAX	40.21	40.36	39.81	39.01	38.97	38.81	38.05	39.08	40.18	41.37	41.82	42.01
MIN	38.50	39.85	38.72	37.52	38.17	37.74	37.11	37.82	39.15	40.14	41.34	41.63

