

SCHUYLKILL COUNTY

404708076070701. Local number, SC 296.

LOCATION.--Lat 40°47'08", long 76°07'07", Hydrologic Unit 02040203, at Locust Lake State Park.

Owner: U.S. Geological Survey.

AQUIFER.--Mauch Chunk Formation of Early Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 242 ft, cased to 40 ft, open hole.

INSTRUMENTATION.--Data collection platform with 30-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,290 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of plywood shelf, 2.78 ft above land-surface datum. Prior to June 26, 1980, top of casing 2.3 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 1994, are also available from the USGS Pennsylvania Water Science Center Office.

PERIOD OF RECORD.--July 1975 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, 26.27 ft below land-surface datum, May 18, 1989; lowest, 57.46 ft below land-surface datum, Nov. 24, 2001.

EXTREMES FOR CURRENT YEAR.--Highest water level, 35.78 ft below land-surface datum, Sept. 20; lowest, 52.25 ft below land-surface datum, Feb. 19, 20.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.14	39.98	43.83	44.65	50.95	49.79	47.75	47.38	48.42	48.66	46.89	49.51
2	45.65	40.48	44.01	45.16	51.06	49.07	47.73	47.49	48.68	49.00	45.28	49.79
3	46.14	41.11	44.21	45.68	51.21	47.68	47.86	46.99	48.85	49.33	45.59	50.02
4	46.48	41.85	44.44	45.73	51.39	47.20	48.08	44.80	49.11	49.57	45.85	50.26
5	46.94	42.40	44.76	45.31	51.50	47.01	48.32	44.84	49.25	49.72	45.97	50.48
6	47.44	43.03	45.20	43.96	51.49	46.75	48.55	44.87	48.40	49.67	46.28	50.66
7	47.90	43.69	45.73	44.38	51.27	46.01	48.73	44.88	46.11	49.95	46.63	50.84
8	48.30	44.41	46.32	44.69	50.73	45.67	48.86	44.91	46.41	50.22	47.04	50.92
9	48.67	44.99	46.84	44.99	51.11	45.55	48.99	45.17	46.54	50.47	47.46	49.63
10	48.98	45.49	47.17	45.26	51.32	45.58	49.16	45.49	46.64	50.65	47.86	48.32
11	49.30	45.95	46.85	45.53	51.45	45.56	49.34	45.90	46.64	50.83	48.27	48.91
12	49.58	46.26	39.57	45.88	51.57	45.74	49.47	46.35	46.84	50.86	48.49	49.29
13	49.91	46.71	39.10	46.28	51.67	46.05	49.34	46.81	47.10	43.95	46.86	49.58
14	49.97	47.17	38.75	46.66	51.78	46.26	44.68	47.21	47.38	44.40	42.71	49.81
15	49.95	47.55	39.46	47.11	51.91	46.60	44.20	47.22	47.63	44.42	42.75	49.98
16	48.51	47.88	40.27	47.52	52.02	46.84	44.21	46.61	47.55	44.44	42.71	50.15
17	48.87	48.21	40.94	47.85	52.09	47.13	44.12	45.81	46.89	44.59	42.88	50.26
18	49.02	48.51	41.77	48.19	52.17	47.40	43.98	46.02	46.19	44.74	43.28	50.26
19	49.22	48.63	42.54	48.56	52.25	47.63	44.04	46.19	45.77	45.00	43.87	37.14
20	49.32	47.47	43.36	48.89	52.25	47.67	44.36	46.30	46.03	45.51	44.51	36.10
21	49.38	46.44	44.01	49.02	52.24	47.40	44.72	46.46	46.23	46.04	44.54	37.11
22	49.49	46.76	44.62	49.10	51.91	46.38	45.21	46.66	46.27	46.57	44.79	38.33
23	49.64	46.90	44.91	49.31	51.40	46.70	45.70	46.88	46.01	46.78	45.39	39.53
24	49.81	46.90	44.87	49.57	51.08	46.89	46.21	47.23	46.26	44.93	46.02	40.66
25	49.96	46.82	41.68	49.77	51.27	46.96	46.64	47.58	46.55	45.54	46.61	41.74
26	50.07	46.78	42.16	49.96	51.43	46.97	46.70	47.69	46.90	46.01	47.15	42.80
27	50.06	46.91	42.54	50.12	51.50	47.07	46.24	47.10	47.29	46.20	47.60	43.74
28	43.29	46.92	42.81	50.31	51.36	47.16	46.70	47.45	47.66	46.13	48.05	44.07
29	43.30	44.22	43.07	50.46	50.91	47.30	46.99	47.87	47.90	46.23	48.47	42.71
30	40.84	43.63	43.50	50.60	---	47.43	47.20	48.15	48.30	46.55	48.83	43.53
31	40.23	---	44.01	50.79	---	47.61	---	48.30	---	46.85	49.19	---
MEAN	47.79	45.47	43.33	47.46	51.53	46.94	46.80	46.54	47.19	47.22	46.06	46.20
MAX	50.07	48.63	47.17	50.79	52.25	49.79	49.47	48.30	49.25	50.86	49.19	50.92
MIN	40.23	39.98	38.75	43.96	50.73	45.55	43.98	44.80	45.77	43.95	42.71	36.10

