

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 sea level, from topographic map. Measuring point: Top of plywood shelf, 2.8 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 District Office.

PERIOD OF RECORD.--July 1975 to current year.

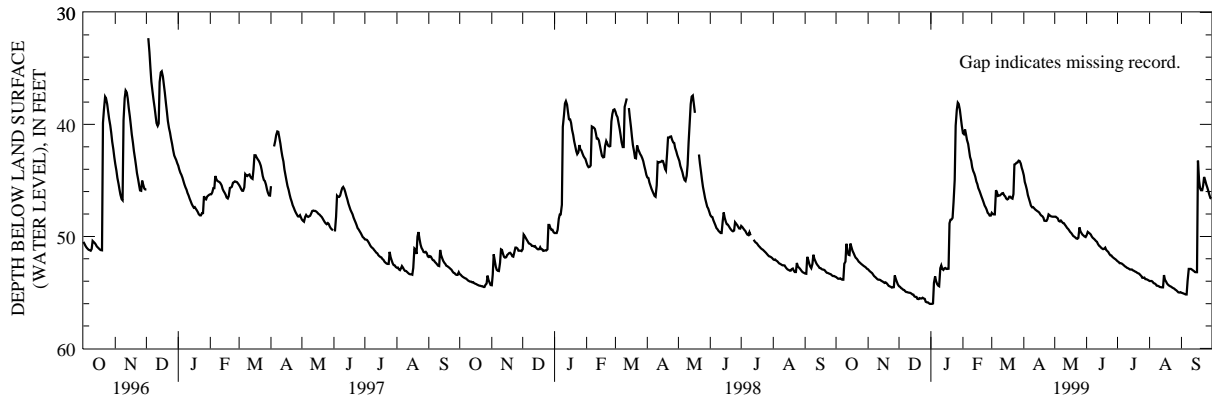
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily maximum depth below land surface for the period of record indicated above.

Highest water level, 26.27 ft below land-surface datum, May 18, 1989; lowest, 56.03 ft below land-surface datum, Jan. 1, 2, 1999.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.63	52.94	54.45	56.03	40.78	47.90	44.56	48.24	49.91	52.22	53.98	55.03
2	53.71	53.04	54.49	56.03	40.87	48.01	45.13	48.24	49.60	52.29	53.98	55.06
3	53.78	53.12	54.61	55.98	40.45	48.03	45.43	48.31	49.67	52.39	53.99	55.09
4	53.78	53.21	54.66	54.14	40.90	48.03	45.84	48.39	49.73	52.38	54.05	55.13
5	53.74	53.28	54.76	53.57	41.39	45.87	46.31	48.62	49.84	52.43	54.18	55.19
6	53.81	53.44	54.79	53.99	41.74	46.05	46.59	48.67	50.00	52.49	54.21	55.18
7	53.87	53.55	54.89	54.27	42.33	46.39	46.93	48.59	50.12	52.58	54.28	55.98
8	53.87	53.63	54.96	54.39	42.90	46.36	47.25	48.69	50.22	52.67	54.39	52.91
9	52.44	53.72	54.97	54.45	43.25	46.33	47.40	48.81	50.30	52.71	54.42	52.91
10	52.25	53.82	55.01	52.83	43.81	46.26	47.39	48.83	50.41	52.80	54.45	52.91
11	50.66	53.87	55.03	52.60	44.15	46.15	47.46	48.96	50.49	52.84	54.52	52.96
12	51.22	53.87	55.04	52.90	44.39	46.13	47.58	49.09	50.67	52.89	54.54	53.02
13	51.64	53.89	55.09	52.99	44.65	46.34	47.65	49.23	50.83	52.96	54.55	53.09
14	51.66	53.98	55.18	52.85	45.11	46.43	47.72	49.34	50.90	52.96	54.55	53.17
15	50.64	54.02	55.20	52.81	45.33	46.61	47.79	49.46	51.00	52.96	53.46	53.19
16	51.00	54.09	55.36	52.90	45.68	46.69	47.86	49.60	51.08	53.04	53.86	53.19
17	51.29	54.15	55.40	52.90	45.93	46.64	48.03	49.70	51.14	53.08	54.04	43.23
18	51.51	54.11	55.40	52.89	46.16	46.45	48.14	49.82	51.11	53.15	54.21	45.03
19	51.72	54.17	55.57	48.83	46.43	46.46	48.19	49.96	51.00	53.18	54.31	45.71
20	51.89	54.29	55.60	48.51	46.69	46.58	48.32	50.03	51.20	53.24	54.40	45.88
21	51.99	54.41	55.50	48.48	46.93	46.63	48.60	50.10	51.31	53.29	54.45	45.88
22	52.12	54.46	55.55	48.35	47.24	46.22	48.61	50.17	51.40	53.34	54.50	45.46
23	52.25	54.49	55.55	46.93	47.40	43.58	48.62	50.22	51.54	53.44	54.57	44.69
24	52.33	54.57	55.48	44.94	47.58	43.52	48.46	50.13	51.68	53.53	54.62	45.02
25	52.42	54.55	55.55	40.11	47.89	43.43	48.03	49.20	51.71	53.69	54.67	45.34
26	52.51	54.53	55.57	38.69	47.99	43.41	48.10	49.55	51.83	53.69	54.75	45.65
27	52.57	53.48	55.83	38.05	48.13	43.23	48.18	49.70	51.90	53.68	54.80	45.95
28	52.64	53.83	55.88	38.17	48.13	43.27	48.22	49.86	51.98	53.82	54.90	46.27
29	52.71	54.07	55.88	38.71	---	43.49	48.24	49.92	52.04	53.83	55.00	46.57
30	52.78	54.30	55.97	39.42	---	43.87	48.24	50.00	52.13	53.87	55.01	46.61
31	52.89	---	56.02	40.11	---	44.14	---	50.06	---	53.92	54.98	---
MEAN	52.43	53.90	55.27	49.28	44.79	45.76	47.50	49.34	50.89	53.08	54.41	49.98
MAX	53.87	54.57	56.02	56.03	48.13	48.03	48.62	50.22	52.13	53.92	55.01	55.19
MIN	50.64	52.94	54.45	38.05	40.45	43.23	44.56	48.24	49.60	52.22	53.46	43.23

WTR YR 1999: HIGHEST 38.05, JANUARY 27; LOWEST 56.03, JANUARY 1, 2.



3-YEAR HYDROGRAPH  
 OCTOBER 1, 1996 TO SEPTEMBER 30, 1999