

SOMERSET COUNTY

40008079142801. Local number, SO 2.

LOCATION.--Lat 40°00'04", long 79°14'22", Hydrologic Unit 05020006, at Laurel Hill State Park.  
 Owner: Commonwealth of Pennsylvania.

AQUIFER.--Shale and sandstone of Allegheny Group of Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in to 4 in, depth 450 ft, cased to 311 ft, open hole.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Elevation of land-surface datum is 2,040 ft above sea level, from topographic map. Measuring point: Top of casing, 1.43 ft above land-surface datum.

REMARKS.--Water levels affected by intermittent pumping.

PERIOD OF RECORD.--April 1937 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown 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, 27.42 ft below land-surface datum, Apr. 9, 1980; lowest, 50.33 ft below land-surface datum, May 31, 1987 (affected by pumping of nearby well).

EXTREMES FOR CURRENT YEAR.--Highest water level, 32.78 ft below land-surface datum, June 23, 24, July 5, 6, 8-12; lowest, 40.35 ft below land-surface datum, Feb. 11-13.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.63	---	33.88	36.60	40.10	39.99	34.67	32.94	32.99	32.87	33.25	33.91
2	35.51	---	33.89	36.75	40.11	39.85	34.65	32.91	32.86	32.86	33.27	34.00
3	35.47	---	33.89	36.96	40.21	39.70	34.54	32.91	32.88	32.87	33.27	34.02
4	35.44	---	33.89	37.11	40.22	39.51	34.46	32.90	32.95	32.87	33.23	34.05
5	35.38	---	33.83	37.27	40.22	39.26	34.40	32.88	32.97	32.83	33.28	34.11
6	35.30	---	33.81	37.44	40.28	39.02	34.33	32.89	32.96	32.86	33.32	34.13
7	35.27	---	33.76	37.69	40.33	38.81	34.13	32.91	32.88	32.86	33.33	34.15
8	35.25	---	33.76	37.81	40.33	38.68	34.04	32.91	32.88	32.85	33.33	34.17
9	35.22	---	33.77	38.02	40.31	38.42	33.99	32.88	32.88	32.78	33.33	34.18
10	35.15	---	33.76	38.20	40.32	38.24	33.86	32.88	32.89	32.79	33.33	34.22
11	35.10	34.17	33.69	38.33	40.34	38.03	33.83	32.88	32.88	32.78	33.42	34.24
12	35.09	34.22	33.71	38.49	40.34	37.91	33.76	32.88	32.88	32.81	33.42	34.27
13	35.08	34.17	33.70	38.64	40.34	37.62	33.73	32.89	32.88	32.82	33.42	34.30
14	35.04	34.16	33.67	38.78	40.33	37.32	33.68	32.88	32.88	32.83	33.43	34.32
15	35.00	34.13	33.67	38.87	40.21	37.23	33.63	32.88	32.88	32.86	33.47	34.33
16	34.97	34.13	33.62	39.04	40.21	37.06	33.42	32.86	32.88	32.93	33.50	34.35
17	34.95	34.08	33.47	39.14	40.23	36.83	33.35	32.86	32.88	32.95	33.57	34.36
18	34.84	34.12	33.44	39.21	40.25	36.65	33.32	32.85	32.93	32.95	33.58	34.37
19	34.77	34.09	33.56	39.25	40.22	36.59	33.31	32.85	32.95	32.93	33.59	34.37
20	34.77	34.07	33.76	39.34	40.19	36.45	33.29	32.89	32.97	32.97	33.60	34.37
21	34.75	34.07	33.90	39.52	40.23	36.28	33.26	32.90	32.88	32.97	33.62	34.37
22	34.75	34.07	34.18	39.60	40.23	36.03	33.24	32.87	32.87	32.97	33.66	34.37
23	34.76	34.08	34.46	39.62	40.12	35.77	33.17	32.88	32.88	33.00	---	34.44
24	34.72	34.08	34.68	39.71	40.12	35.75	33.10	32.89	32.89	33.01	33.77	34.44
25	34.66	34.06	34.98	39.84	40.10	35.56	33.08	32.89	32.85	33.01	33.78	34.41
26	34.63	34.00	35.21	39.84	40.05	35.47	33.05	32.89	32.86	33.05	33.80	34.45
27	34.56	33.91	35.39	39.93	40.06	35.35	33.02	32.89	32.86	33.09	33.81	34.48
28	34.52	33.93	35.65	40.01	40.06	35.26	33.02	32.88	32.86	33.10	33.84	34.52
29	34.52	33.93	35.88	40.01	---	35.17	33.02	32.96	32.86	33.10	33.85	34.52
30	---	33.88	36.09	40.01	---	34.95	33.00	32.98	32.87	33.16	33.91	34.60
31	---	---	36.35	40.00	---	34.82	---	32.99	---	33.21	33.91	---
MEAN	35.00	34.07	34.24	38.74	40.22	37.21	33.65	32.90	32.89	32.93	33.53	34.29
MAX	35.63	34.22	36.35	40.01	40.34	39.99	34.67	32.99	32.99	33.21	33.91	34.60
MIN	34.52	33.88	33.44	36.60	40.05	34.82	33.00	32.85	32.85	32.78	33.23	33.91

