

BUCKS COUNTY

402643075150501. Local number, BK 929.

LOCATION.--Lat 40°26'43", long 75°15'05", Hydrologic Unit 02040105, at Nockamixon State Park.

Owner: U.S. Geological Survey.

AQUIFER.--Shale of Brunswick Formation of Late Triassic age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 116 ft, cased to 27 ft, open hole.

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

DATUM.--Elevation of land-surface datum is 490 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of plywood shelf, 3.0 ft above land-surface datum. Prior to Mar. 17, 1980, top of casing, 1.05 ft above land-surface datum. Prior to June 1970, land surface datum was approximately 16 feet lower.

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.--November 1967 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, 39.29 ft below land-surface datum, Mar. 28, 1991; lowest, 59.75 ft below land-surface datum, Nov. 26, 1968.

EXTREMES FOR CURRENT YEAR.--Highest water level, 42.16 ft below land-surface datum, May 31; lowest, 47.94 ft below land-surface datum, Dec. 15.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.49	46.67	47.53	47.69	47.10	46.90	44.48	43.93	42.37	43.91	45.60	47.29
2	45.56	46.63	47.62	47.72	47.29	46.90	44.56	43.83	42.64	43.85	45.80	47.04
3	45.61	46.71	47.63	47.55	47.21	46.27	44.51	43.93	42.87	43.81	46.12	46.99
4	45.63	46.71	47.62	47.57	46.94	46.54	44.59	44.04	42.97	43.87	46.04	46.99
5	45.61	46.65	47.66	47.59	47.11	46.65	44.54	43.84	42.93	44.09	45.91	47.10
6	45.61	46.68	47.52	47.51	46.99	46.53	44.49	43.77	42.91	44.13	46.02	47.21
7	45.89	46.84	47.60	47.45	46.82	46.47	44.57	43.49	43.26	44.24	46.06	47.29
8	46.12	46.88	47.67	47.63	46.88	46.53	44.48	43.51	43.37	44.31	46.16	47.28
9	46.18	46.95	47.82	47.52	47.14	46.46	44.30	43.46	43.24	44.16	46.26	47.21
10	46.02	46.89	47.83	47.55	47.11	46.22	44.53	43.48	43.23	44.30	46.24	47.07
11	---	47.13	47.79	47.61	46.82	46.34	44.64	43.65	43.18	44.40	46.20	47.12
12	---	47.24	47.84	47.64	46.80	46.16	44.57	43.50	43.05	44.43	46.22	47.32
13	45.91	47.27	47.62	47.63	46.89	45.97	44.29	43.14	43.18	44.42	46.30	47.36
14	45.90	47.12	47.48	47.74	46.90	45.90	44.14	42.80	43.18	44.47	46.37	47.42
15	46.07	47.01	47.94	47.56	46.76	45.88	44.08	42.99	43.09	44.45	46.50	47.37
16	46.07	47.16	47.91	47.72	46.39	46.09	44.19	42.99	43.20	44.63	46.51	47.31
17	46.12	47.36	47.70	47.56	46.57	46.22	44.14	42.67	43.38	44.68	46.49	47.39
18	46.25	47.34	47.44	47.64	46.80	46.07	44.19	42.69	43.63	44.62	46.42	47.46
19	46.22	47.16	47.55	47.65	46.73	45.94	44.09	42.76	43.75	44.69	46.54	47.49
20	46.22	47.16	47.48	47.52	46.58	45.86	44.11	42.77	43.83	44.94	46.79	47.47
21	46.26	47.21	47.80	47.48	46.35	45.45	44.21	42.74	43.84	45.06	46.95	47.49
22	46.17	47.27	47.89	47.67	46.54	45.42	44.16	42.81	43.71	45.07	46.87	47.50
23	46.17	47.38	47.70	47.57	46.60	45.39	44.40	42.63	43.65	45.13	46.75	47.69
24	46.01	47.42	47.43	47.23	46.67	45.26	44.51	42.34	43.54	45.30	46.74	47.77
25	46.11	47.35	47.55	47.48	46.65	45.32	44.40	42.57	43.64	45.57	46.84	47.82
26	46.26	47.33	47.48	47.45	46.40	45.28	44.48	42.54	43.71	45.54	46.92	47.74
27	46.59	47.36	47.32	47.36	46.28	44.86	44.61	42.59	43.54	45.36	47.10	47.53
28	46.84	47.49	47.33	47.25	46.71	44.90	44.37	42.57	43.71	45.33	47.18	47.70
29	46.85	47.48	47.45	47.13	---	44.78	44.02	42.59	43.89	45.30	47.13	47.78
30	46.83	47.36	47.55	47.36	---	44.60	44.06	42.49	43.94	45.44	47.21	47.74
31	46.84	---	47.56	47.37	---	44.60	---	42.40	---	45.52	47.32	---
MEAN	46.12	47.11	47.62	47.53	46.79	45.86	44.36	43.08	43.35	44.68	46.50	47.40
MAX	46.85	47.49	47.94	47.74	47.29	46.90	44.64	44.04	43.94	45.57	47.32	47.82
MIN	45.49	46.63	47.32	47.13	46.28	44.60	44.02	42.34	42.37	43.81	45.60	46.99

