

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.--Electronic data logger with 60-minute recording interval.

DATUM.--Elevation of land-surface datum is 490 ft above sea level, 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.

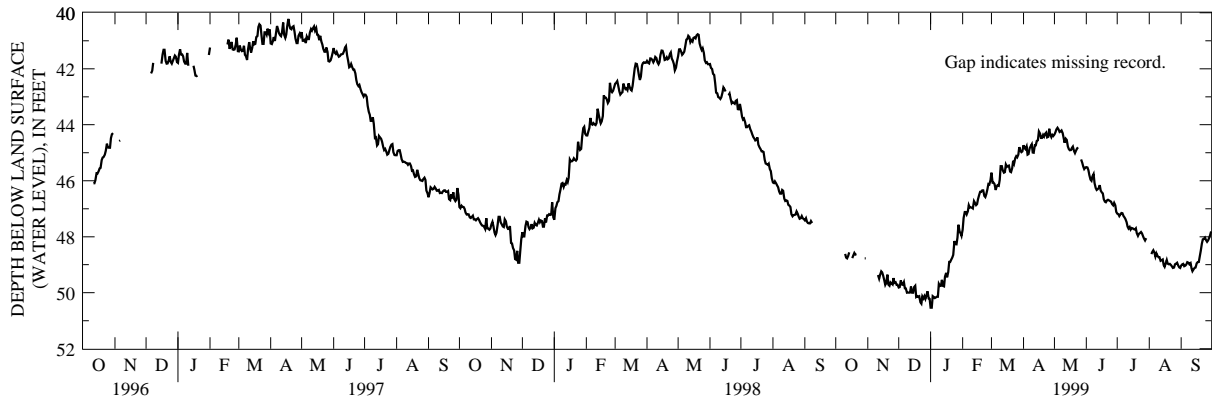
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily maximum depth below land surface for the period of record indicated above.

Highest water level, 39.29 ft below land-surface datum, Mar. 28, 1991; lowest, 59.75 ft below land-surface datum, Nov. 26, 1968.

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	---	---	49.81	50.53	47.75	45.71	44.73	44.35	45.51	47.17	---	49.03
2	---	---	49.80	50.53	47.33	46.07	44.83	44.27	45.53	47.19	---	48.98
3	---	---	49.56	50.12	47.12	46.07	44.87	44.17	45.62	47.26	48.62	48.97
4	---	---	49.70	50.15	47.12	46.12	44.77	44.11	45.80	47.21	48.54	49.05
5	---	---	49.72	50.19	47.20	46.33	45.07	44.16	45.96	47.15	48.48	49.03
6	---	---	49.62	50.17	47.09	46.21	45.05	44.26	46.00	47.16	48.57	48.99
7	---	---	49.84	50.14	46.87	46.16	44.84	44.24	45.84	47.26	48.71	48.91
8	---	---	49.85	50.14	46.95	46.18	44.77	44.20	45.76	47.31	48.59	48.93
9	---	---	50.00	49.68	46.95	45.97	44.70	44.30	46.09	47.37	48.68	48.98
10	48.61	---	49.99	49.76	46.96	45.48	44.99	44.47	46.26	47.48	48.73	48.94
11	48.74	49.37	50.00	49.75	46.99	45.48	45.00	44.64	46.33	47.64	48.73	49.13
12	48.77	49.50	49.99	49.54	46.73	45.63	44.73	44.50	46.30	47.71	48.86	49.23
13	48.68	49.36	49.78	49.76	46.79	45.71	44.73	44.54	46.26	47.65	48.84	49.16
14	48.56	49.24	50.00	49.77	46.87	45.69	44.58	44.78	46.16	47.74	48.81	49.11
15	---	49.28	50.00	49.42	46.84	45.42	44.55	44.87	46.35	47.69	49.01	49.10
16	---	49.39	49.80	49.29	46.66	45.50	44.24	44.91	46.42	47.70	49.07	48.95
17	48.76	49.56	49.75	49.45	46.51	45.47	44.31	44.90	46.45	47.73	48.94	48.91
18	48.66	49.72	50.15	49.26	46.40	45.46	44.47	44.83	46.66	47.74	48.83	48.90
19	48.58	49.64	50.12	48.90	46.40	45.67	44.47	44.78	46.75	47.70	48.96	48.70
20	48.63	49.35	50.15	48.90	46.34	45.69	44.36	44.94	46.77	47.87	48.98	48.51
21	48.65	49.71	50.13	48.81	46.34	45.55	44.42	45.01	46.70	47.97	48.97	48.24
22	---	49.75	50.34	48.74	46.54	45.29	44.33	44.93	46.68	47.89	49.01	48.09
23	---	49.63	50.39	48.65	46.58	45.38	44.28	44.85	46.70	47.87	49.06	48.08
24	---	49.66	50.13	48.15	46.48	45.19	44.45	44.81	46.73	47.83	49.11	48.03
25	---	49.70	50.20	48.26	46.30	45.12	44.43	---	46.75	47.88	49.10	48.11
26	---	49.48	50.12	48.27	46.12	45.16	44.14	---	46.83	47.99	48.98	48.18
27	---	49.65	50.22	48.03	46.13	45.07	44.35	45.24	46.88	48.07	48.96	48.13
28	---	49.63	50.07	47.57	45.98	44.80	44.44	45.36	46.79	48.13	48.93	48.06
29	48.77	49.72	49.95	47.82	---	44.93	44.36	45.49	46.88	48.05	49.02	47.94
30	48.77	49.72	50.20	47.87	---	44.98	44.40	45.58	47.11	---	49.09	47.81
31	---	---	50.22	47.97	---	44.95	---	45.53	---	---	49.11	---
MEAN	48.68	49.55	49.99	49.21	46.73	45.56	44.59	44.72	46.36	47.63	48.87	48.67
MAX	48.77	49.75	50.39	50.53	47.75	46.33	45.07	45.58	47.11	48.13	49.11	49.23
MIN	48.56	49.24	49.56	47.57	45.98	44.80	44.14	44.11	45.51	47.15	48.48	47.81

WTR YR 1999: HIGHEST 44.11, MAY 4; LOWEST 50.53, JANUARY 1, 2.



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