

BUCKS COUNTY

401157075032001. Local number, BK 1020

LOCATION.--Lat 40°11'55", long 75°03'07", Hydrologic Unit 02040201, at Naval Air Development Center in Warminster Township.
 Owner: United States Navy.

AQUIFER.--Sandstone and shale of Stockton Formation of Late Triassic age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 400 ft, cased to 57 ft, open hole.

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

DATUM.--Elevation of land-surface datum is 370 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal shelf, 1.93 ft above land-surface datum.

REMARKS.--Operated by Bucks County Planning Commission September 1975 to March 1988. 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.--September 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, 22.64 ft below land-surface datum, June 23, 2003; lowest, 42.60 ft below land-surface datum, Jan. 22, 23, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 23.91 ft below land-surface datum, Apr. 5; lowest, 36.03 ft below land-surface datum, Sept. 30.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.37	32.64	30.89	28.69	28.71	28.38	27.75	29.25	32.57	34.27	29.82	33.38
2	31.23	32.72	30.33	28.78	28.88	28.44	27.62	29.41	32.67	34.23	29.90	33.50
3	31.14	32.84	29.95	28.85	29.01	28.53	25.71	29.58	32.73	34.06	30.00	33.61
4	31.09	32.88	29.69	28.96	29.15	28.61	24.21	29.74	32.73	34.10	30.10	33.76
5	31.05	32.79	29.44	29.00	29.29	28.69	23.97	29.89	32.82	34.13	30.19	33.89
6	31.05	32.86	29.28	29.00	29.43	28.77	24.17	29.99	32.91	34.17	30.31	34.00
7	31.05	32.93	29.11	29.02	29.53	28.80	24.43	30.09	32.94	34.17	30.41	34.11
8	31.05	33.03	28.87	29.02	29.61	28.76	24.57	30.22	33.03	34.05	30.52	34.21
9	31.05	33.12	28.76	28.93	29.65	28.69	24.80	30.34	33.14	33.19	30.62	34.33
10	31.07	33.18	28.59	28.84	29.65	28.71	25.02	30.45	33.24	32.81	30.73	34.43
11	31.09	33.23	27.94	28.78	29.64	28.71	25.27	30.54	33.28	32.67	30.85	34.53
12	31.10	33.26	27.57	28.72	29.69	28.72	25.51	30.67	33.33	32.55	30.95	34.61
13	31.14	33.23	27.39	28.60	29.80	28.78	25.78	30.78	33.41	32.45	31.08	34.70
14	31.18	33.06	27.30	28.47	29.82	28.84	26.05	30.86	33.47	32.36	31.21	34.80
15	31.22	33.05	27.28	27.34	29.63	28.89	26.32	30.95	33.54	32.30	31.30	34.84
16	31.29	33.03	27.28	26.87	28.98	28.94	26.55	31.09	33.61	32.24	31.43	34.91
17	31.38	33.01	27.32	26.55	28.68	28.99	26.74	31.19	33.70	31.99	31.55	34.99
18	31.46	32.99	27.35	26.44	28.50	29.06	26.94	31.29	33.77	31.36	31.69	35.05
19	31.48	32.98	27.42	26.43	28.39	29.13	27.13	31.41	33.85	30.45	31.81	35.14
20	31.57	32.97	27.57	26.48	28.35	29.18	27.31	31.46	33.93	30.14	31.93	35.21
21	31.66	32.95	27.71	26.63	28.30	29.25	27.54	31.54	33.98	29.95	32.06	35.29
22	31.76	32.94	27.84	26.70	28.26	29.33	27.73	31.64	34.06	29.79	32.18	35.38
23	31.82	32.93	27.91	26.96	28.27	29.36	27.88	31.72	34.14	29.69	32.33	35.47
24	31.90	32.91	27.92	27.14	28.29	29.31	28.07	31.82	34.21	29.64	32.45	35.56
25	31.98	32.84	28.02	27.34	28.31	29.33	28.29	31.90	34.26	29.57	32.59	35.63
26	32.08	32.83	28.07	27.57	28.35	29.36	28.47	31.98	34.32	29.53	32.71	35.69
27	32.17	32.83	28.20	27.84	28.39	29.38	28.65	32.09	34.36	29.52	32.82	35.78
28	32.28	32.81	28.26	28.04	28.39	29.38	28.83	32.17	34.35	29.56	32.95	35.87
29	32.35	31.72	28.36	28.18	---	28.77	28.99	32.29	34.40	29.64	33.06	35.95
30	32.42	31.23	28.48	28.35	---	28.21	29.11	32.38	34.40	29.71	33.14	36.03
31	32.53	---	28.56	28.53	---	27.95	---	32.47	---	29.76	33.25	---
MEAN	31.52	32.86	28.34	27.97	28.96	28.88	26.65	31.01	33.57	31.74	31.48	34.82
MAX	32.53	33.26	30.89	29.02	29.82	29.38	29.11	32.47	34.40	34.27	33.25	36.03
MIN	31.05	31.23	27.28	26.43	28.26	27.95	23.97	29.25	32.57	29.52	29.82	33.38

