

FAYETTE COUNTY

394843079351401. Local number, FA 17.

LOCATION.--Lat 39°48'43", long 79°35'14", Hydrologic unit 05020006, at Fort Necessity National Battlefield.

Owner: U.S. Geological Survey.

AQUIFER.--Shale and sandstone of Glenshaw Formation of Late Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 100 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval since Dec. 12, 2000. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,910 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by intermittent pumping. In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since December 2000, are available from the USGS Pennsylvania Water Science Center Office.

PERIOD OF RECORD.--November 1967 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, 18.56 ft below land-surface datum, Apr. 1, 1992; lowest, 40.00 ft below land-surface datum, Nov. 8, 1967.

EXTREMES FOR CURRENT YEAR.--Highest water level, 20.52 ft below land-surface datum, Jan. 13; lowest, 28.97 ft below land-surface datum, June 27.

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	22.67	23.20	21.65	22.41	23.08	21.87	21.49	22.79	23.02	25.35	23.86	23.47
2	22.74	23.18	21.59	22.43	23.10	22.21	21.32	22.79	22.96	24.34	23.87	23.47
3	22.81	23.22	21.37	22.38	23.05	22.41	21.41	22.86	22.95	24.09	23.63	23.48
4	22.79	23.19	21.39	22.24	23.14	22.42	21.66	23.00	22.94	24.04	23.63	23.50
5	22.98	22.94	21.59	21.98	23.22	22.54	21.66	23.02	23.00	23.92	23.62	23.51
6	23.05	22.94	21.59	21.40	23.25	22.56	21.62	22.94	23.04	23.83	23.60	23.47
7	23.09	22.83	21.49	21.35	23.23	22.48	21.55	22.79	23.09	23.80	23.55	23.40
8	23.06	23.10	21.63	21.33	23.02	22.12	21.59	22.83	23.11	23.73	23.56	23.28
9	22.96	23.17	21.63	21.28	22.83	22.09	21.76	22.88	23.17	23.76	23.52	23.26
10	22.99	23.16	21.33	21.15	22.29	22.03	21.84	22.90	23.21	23.83	23.55	23.31
11	23.01	23.02	20.98	21.15	22.18	21.93	21.96	23.01	23.21	23.76	23.52	23.35
12	22.98	22.89	21.00	20.94	22.10	21.98	21.98	23.20	23.20	23.65	23.51	23.32
13	22.85	23.07	21.10	20.70	22.26	22.27	22.12	23.22	23.14	23.57	23.46	23.24
14	22.87	23.11	21.47	20.96	22.25	22.44	22.35	23.22	23.06	23.51	23.51	23.24
15	22.90	23.04	21.61	21.08	21.99	22.54	22.67	23.21	23.02	23.49	23.55	23.28
16	23.13	22.85	21.61	21.05	21.80	22.54	22.78	23.34	23.07	23.51	23.53	23.28
17	23.36	22.69	21.61	21.06	21.76	22.49	22.75	23.39	23.18	23.48	23.77	23.32
18	23.44	22.62	21.60	21.24	21.92	22.52	22.70	23.38	23.27	23.45	23.76	23.38
19	23.34	22.62	21.54	21.18	22.06	22.55	22.77	23.35	23.38	23.43	23.58	23.41
20	23.26	22.49	21.69	21.02	22.10	22.48	22.77	23.21	23.42	23.46	23.76	23.35
21	23.27	22.38	21.82	21.32	21.85	22.53	22.84	23.14	23.40	23.47	23.74	23.38
22	23.31	22.33	21.91	21.32	21.92	22.54	22.84	23.03	23.30	23.44	23.62	23.33
23	23.30	22.15	21.91	22.02	21.99	22.44	22.63	22.87	23.38	23.50	23.62	23.38
24	23.16	22.01	21.95	22.08	21.98	22.02	22.54	22.91	23.34	23.53	23.71	23.52
25	23.21	21.92	21.92	22.02	21.99	22.02	22.70	22.95	23.84	23.43	23.72	23.68
26	23.24	22.04	21.94	22.30	22.14	21.92	22.72	22.90	26.32	23.39	23.60	23.62
27	23.23	22.04	22.25	22.89	22.18	21.92	22.74	22.83	28.97	23.36	23.44	23.66
28	23.24	21.97	22.25	23.00	22.02	21.73	22.81	22.82	28.83	23.45	23.40	23.64
29	23.20	22.03	22.10	22.97	---	21.34	22.80	22.79	27.94	23.47	23.40	23.60
30	23.03	21.95	22.19	22.75	---	21.36	22.73	22.81	26.69	23.46	23.36	23.62
31	23.12	---	22.19	22.93	---	21.38	---	23.01	---	23.43	23.34	---
MEAN	23.08	22.67	21.67	21.74	22.38	22.18	22.27	23.01	23.95	23.68	23.59	23.43
MAX	23.44	23.22	22.25	23.00	23.25	22.56	22.84	23.39	28.97	25.35	23.87	23.68
MIN	22.67	21.92	20.98	20.70	21.76	21.34	21.32	22.79	22.94	23.36	23.34	23.24

