

## GREENE COUNTY

394655080014301. Local number, GR 118.

**LOCATION.**--Lat 39°46'55", long 80°01'43", Hydrologic Unit 05020005, at State Game Land Number 223.

Owner: U.S. Geological Survey.

**AQUIFER.**--Shale and sandstone of lower member of Waynesburg Formation of Late Pennsylvanian and Early Permian age.

**WELL CHARACTERISTICS.**--Drilled observation artesian well, diameter 6 in., depth 104 ft, cased to 22 ft, open hole.

**INSTRUMENTATION.**--Pressure transducer and digital data logger with 60-minute recording interval. Data collection platform with 60-minute recording interval since Sept. 7, 2001. Satellite telemetry at station.

**DATUM.**--Elevation of land-surface datum is 1,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.40 ft above land-surface datum.

**REMARKS.**--Water levels affected by water cascading into the well. In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1987, are available from the USGS Pennsylvania Water Science Center Office.

**PERIOD OF RECORD.**--June 1973 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, 20.43 ft below land-surface datum, Jan. 11, 2005; lowest, 52.38 ft below land-surface datum, Nov. 25, 26, 1999.

**EXTREMES FOR CURRENT YEAR.**--Highest water level, 20.43 ft below land-surface datum, Jan. 11; lowest, 33.25 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	24.09	23.32	22.71	23.11	23.21	22.92	22.74	22.81	22.85	28.36	29.07	30.76
2	24.13	23.36	22.66	23.12	23.24	23.00	22.66	22.81	22.97	28.57	29.19	30.70
3	24.21	23.40	22.80	23.12	23.23	23.04	22.51	22.84	23.06	28.78	29.31	30.67
4	24.37	23.37	22.89	22.31	23.24	23.09	22.64	22.86	23.25	28.96	29.43	30.72
5	24.49	23.02	22.96	22.31	23.23	23.10	22.73	22.85	23.45	29.01	29.49	30.76
6	24.61	23.12	22.99	21.98	23.24	22.94	22.79	22.83	23.52	29.03	29.53	30.86
7	24.73	23.26	22.98	22.27	23.19	22.68	22.84	22.84	23.50	29.06	29.62	30.92
8	24.83	23.33	22.88	22.24	23.10	22.39	22.92	22.85	23.73	28.49	29.64	31.06
9	24.94	23.39	22.87	22.36	23.02	22.65	22.96	22.86	23.96	28.18	29.70	31.21
10	25.05	23.41	22.74	22.51	22.68	22.74	22.99	22.89	24.15	27.38	29.77	31.34
11	25.12	23.43	22.70	22.50	22.79	22.81	22.98	22.90	24.25	27.62	29.86	31.45
12	25.17	23.40	22.75	21.82	22.92	22.85	22.95	22.86	24.14	27.92	29.95	31.56
13	25.21	23.13	22.87	22.16	22.98	22.91	22.99	22.85	24.39	27.80	30.03	31.63
14	25.19	23.18	22.95	22.10	22.96	22.97	23.00	22.84	24.59	27.63	30.14	31.69
15	25.18	23.23	22.99	22.30	22.54	23.02	23.05	22.74	24.77	27.00	30.21	31.79
16	25.19	23.27	23.00	22.45	22.66	23.06	23.04	22.79	24.89	26.07	30.22	31.87
17	25.32	23.28	23.03	22.55	22.78	23.14	23.01	22.81	25.14	25.94	30.09	32.00
18	25.35	23.20	23.02	22.62	22.92	23.20	23.01	22.84	25.43	26.19	30.10	32.09
19	24.05	23.19	23.10	22.64	23.01	23.24	23.01	22.85	25.69	26.27	30.18	32.16
20	23.91	22.72	23.14	22.68	23.02	23.27	23.03	22.64	25.96	26.50	30.22	32.26
21	24.04	22.84	23.15	22.76	23.05	23.32	23.02	22.48	26.24	26.70	30.26	32.38
22	24.20	22.89	23.15	22.76	23.12	23.33	22.98	22.55	26.36	26.98	30.34	32.53
23	24.34	22.92	23.06	22.86	23.14	23.27	22.90	22.55	26.62	27.30	30.44	32.62
24	24.34	22.92	22.74	22.85	23.15	22.70	22.87	22.54	26.91	27.60	30.54	32.72
25	24.48	22.79	22.84	22.85	23.20	22.81	22.81	22.52	27.18	27.84	30.61	32.79
26	24.59	22.84	22.95	22.99	23.25	22.87	22.82	22.56	27.44	28.02	30.65	32.93
27	24.73	22.87	23.01	23.09	23.26	22.89	22.86	22.61	27.67	28.23	30.71	33.00
28	24.83	22.84	23.01	23.10	23.15	22.76	22.87	22.59	27.88	28.45	30.76	33.06
29	24.85	22.88	23.04	23.08	---	22.17	22.86	22.55	28.05	28.64	30.79	33.14
30	22.91	22.90	23.05	23.12	---	22.49	22.81	22.58	28.20	28.80	30.80	33.25
31	23.22	---	23.08	23.17	---	22.72	---	22.70	---	28.94	30.80	---
MEAN	24.57	23.12	22.94	22.64	23.05	22.91	22.89	22.74	25.21	27.81	30.08	31.86
MAX	25.35	23.43	23.15	23.17	23.26	23.33	23.05	22.90	28.20	29.06	30.80	33.25
MIN	22.91	22.72	22.66	21.82	22.54	22.17	22.51	22.48	22.85	25.94	29.07	30.67

