

BUTLER COUNTY

410501079524401. Local number, BT 311.

LOCATION.--Lat 41°05'01", long 79°52'44", Hydrologic Unit 05030105, at State Game Land Number 95.

Owner: U.S. Geological Survey.

AQUIFER.--Kittanning Formation of Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 89 ft, cased to 12 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval since March 15, 2001. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,465 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.14 ft above land-surface datum. Prior to Mar. 15, 2001, top of casing, 2.30 ft.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since March 2001, are available from the District Office.

PERIOD OF RECORD.--November 1970 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, 1.98 ft below land-surface datum, May 18, 2002; lowest, 31.06 ft below land-surface datum, Oct. 16, 17, 18, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 2.14 ft below land-surface datum, Apr. 5, May 31; lowest, 25.48 ft below land-surface datum, Oct. 14.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.88	20.58	20.09	4.30	5.33	3.24	2.63	3.28	2.46	4.22	4.12	4.05
2	24.91	21.19	20.91	4.04	5.51	3.10	2.66	3.09	2.59	4.39	4.34	3.06
3	24.96	21.85	21.60	4.06	5.50	3.16	2.69	3.09	2.59	4.69	4.33	2.78
4	24.96	21.95	21.58	4.16	5.03	3.14	2.69	3.16	2.51	4.85	4.40	2.73
5	25.08	23.53	21.52	4.14	3.40	2.90	2.44	3.15	2.63	4.92	4.52	2.73
6	25.11	21.67	21.66	4.23	3.42	2.89	2.52	2.94	2.74	5.26	4.55	2.82
7	25.20	19.88	21.75	4.22	3.45	2.89	2.49	2.98	2.72	5.00	4.82	2.91
8	25.29	18.02	22.58	3.93	3.51	2.91	2.45	3.04	2.75	5.12	5.10	3.03
9	25.25	18.87	24.83	3.90	3.57	2.54	2.50	3.03	2.77	4.81	5.31	3.10
10	25.29	19.01	24.72	3.81	3.63	2.70	2.51	2.74	2.84	4.54	5.54	3.22
11	25.29	18.29	24.61	3.87	3.66	2.71	2.49	2.59	2.82	4.34	5.86	3.30
12	25.28	14.37	21.80	3.92	3.80	2.75	2.63	2.59	2.83	4.93	6.44	3.38
13	25.42	16.13	21.45	3.79	3.92	2.56	2.75	2.49	2.39	5.55	7.04	3.39
14	25.48	17.54	17.54	3.79	3.98	2.56	2.76	2.62	2.40	6.19	7.64	3.47
15	25.34	19.13	8.14	3.87	4.22	2.50	2.73	2.68	2.62	6.68	8.02	3.46
16	25.14	19.09	7.32	3.87	4.25	2.52	2.76	2.72	2.78	7.51	8.26	3.58
17	25.15	16.91	7.30	3.85	4.16	2.50	2.84	2.77	2.78	8.33	8.73	3.75
18	25.21	10.74	7.32	3.84	4.38	2.56	2.92	2.82	2.62	9.44	10.91	3.75
19	25.17	10.44	7.23	3.82	4.50	2.58	2.94	2.88	2.70	11.05	12.42	3.48
20	21.90	9.60	6.40	3.95	4.61	2.55	2.91	2.88	2.84	11.93	13.41	3.09
21	24.06	8.91	5.63	4.02	4.44	2.46	2.85	2.41	2.84	12.07	13.88	3.22
22	24.98	10.42	5.75	4.08	4.28	2.49	2.83	2.49	3.01	10.99	14.47	3.22
23	25.29	12.38	5.80	4.19	3.02	2.52	2.95	2.51	3.20	8.31	15.25	2.73
24	25.32	14.22	5.81	4.35	3.12	2.54	2.97	2.38	3.38	8.19	15.67	2.85
25	25.29	15.76	5.91	4.34	3.22	2.57	2.94	2.50	3.49	6.82	15.96	3.10
26	24.83	16.76	6.23	4.58	3.16	2.55	3.09	2.58	3.55	7.19	15.97	3.13
27	21.11	17.93	6.31	4.74	3.17	2.60	3.16	2.62	3.69	7.39	8.10	3.17
28	21.74	18.37	6.36	4.72	3.24	2.61	3.17	2.60	3.86	3.65	7.52	2.96
29	21.92	18.35	6.71	5.08	---	2.65	3.22	2.66	4.02	3.48	7.99	3.05
30	21.65	18.52	6.72	5.20	---	2.61	3.28	2.70	4.04	3.78	6.25	3.14
31	20.61	---	5.98	5.25	---	2.64	---	2.68	---	3.93	4.06	---
MEAN	24.42	17.01	13.47	4.19	3.98	2.69	2.79	2.76	2.95	6.44	8.42	3.19
MAX	25.48	23.53	24.83	5.25	5.51	3.24	3.28	3.28	4.04	12.07	15.97	4.05
MIN	20.61	8.91	5.63	3.79	3.02	2.46	2.44	2.38	2.39	3.48	4.06	2.73

