

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.--Continuous strip-chart recorder.

DATUM.--Elevation of land-surface datum is 1,465 ft above sea level, from topographic map. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Water levels are affected by pumping from local mines.

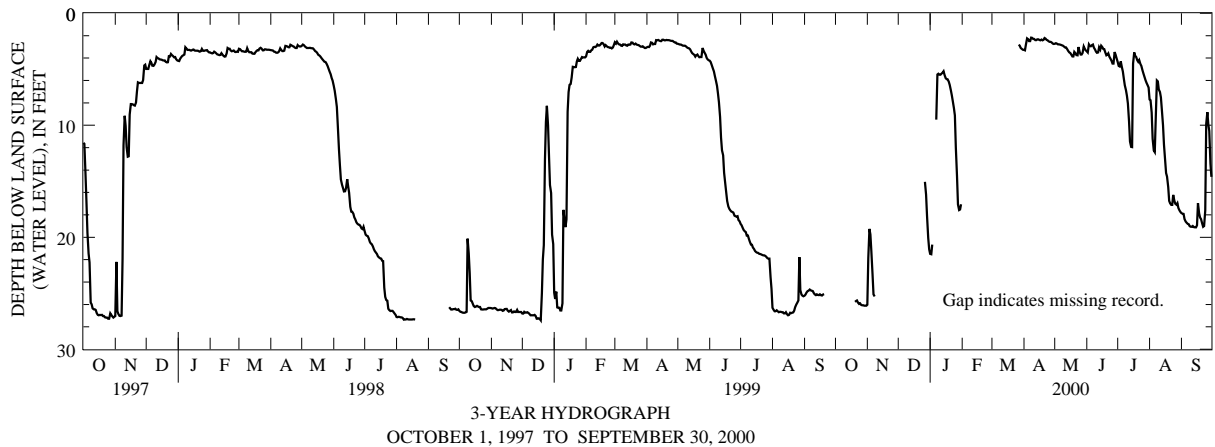
PERIOD OF RECORD.--November 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.17 ft below land-surface datum, Apr. 8, 2000; lowest, 31.06 ft below land-surface datum, Oct. 16, 17, 18, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	26.03	---	21.48	---	---	3.28	2.73	3.40	4.36	7.70	17.84
2	---	21.85	---	21.52	---	---	3.30	2.68	3.50	4.70	7.77	17.90
3	---	19.25	---	20.66	---	---	2.80	2.71	2.78	4.75	8.87	17.92
4	---	19.75	---	---	---	---	2.25	2.77	2.91	4.30	11.21	18.38
5	---	21.25	---	---	---	---	2.32	2.78	2.94	4.75	12.25	18.60
6	---	23.30	---	---	---	---	2.48	2.80	2.84	5.21	12.40	18.71
7	---	25.10	---	9.50	---	---	2.49	2.82	2.80	5.85	9.45	18.80
8	---	25.28	---	5.47	---	---	2.17	2.86	3.06	6.42	6.00	18.84
9	---	---	---	5.40	---	---	2.20	2.90	3.24	6.88	6.09	19.01
10	---	---	---	5.48	---	---	2.30	2.99	3.43	7.37	6.81	19.07
11	---	---	---	5.48	---	---	2.29	3.05	3.53	8.05	7.02	19.07
12	---	---	---	5.40	---	---	2.40	3.05	3.50	9.65	7.50	19.00
13	---	---	---	5.30	---	---	2.40	3.20	3.04	11.45	8.62	19.10
14	---	---	---	5.18	---	---	2.34	3.36	3.24	11.93	10.00	19.11
15	---	---	---	5.51	---	---	2.33	3.50	2.90	11.95	11.72	19.11
16	---	---	---	5.80	---	---	2.39	3.55	3.00	4.50	13.12	18.92
17	---	---	---	5.88	---	---	2.41	3.68	3.18	3.50	14.27	16.95
18	---	---	---	5.90	---	---	2.35	3.85	3.20	3.81	14.58	17.86
19	---	---	---	6.10	---	---	2.41	3.85	3.48	3.90	15.52	18.24
20	25.77	---	---	6.40	---	---	2.38	3.45	3.75	4.20	16.75	18.38
21	25.70	---	---	6.88	---	---	2.22	3.57	3.70	4.33	16.98	18.77
22	25.65	---	---	7.32	---	---	2.27	3.74	3.58	4.19	17.11	19.06
23	25.85	---	---	7.84	---	---	2.38	3.76	3.90	4.52	17.11	19.00
24	25.95	---	---	8.47	---	---	2.41	3.01	4.05	4.70	16.22	17.60
25	25.90	---	---	9.12	---	---	2.50	3.41	4.25	5.10	16.73	9.87
26	26.04	---	---	12.00	---	---	2.55	3.68	4.50	5.38	17.01	8.83
27	26.07	---	15.05	14.55	---	2.80	2.56	3.69	4.50	5.65	17.10	9.92
28	26.08	---	16.20	17.08	---	2.92	2.60	3.55	3.47	5.98	16.95	10.50
29	26.10	---	18.10	17.57	---	3.10	2.70	2.97	3.70	6.20	17.39	13.42
30	26.10	---	20.05	17.52	---	3.19	2.75	3.16	4.02	6.40	17.60	14.60
31	26.10	---	21.07	17.06	---	3.25	---	3.31	---	6.63	17.74	---
MEAN	25.94	22.73	18.09	10.07	---	3.05	2.47	3.24	3.45	6.02	12.76	17.08
MAX	26.10	26.03	21.07	21.52	---	3.25	3.30	3.85	4.50	11.95	17.74	19.11
MIN	25.65	19.25	15.05	5.18	---	2.80	2.17	2.68	2.78	3.50	6.00	8.83

WTR YR 2000: HIGHEST 2.17, APRIL 8; LOWEST 26.10, OCTOBER 29-31.



3-YEAR HYDROGRAPH
OCTOBER 1, 1997 TO SEPTEMBER 30, 2000