

JUNIATA COUNTY

402411077374801. Local number, JU 351.

LOCATION.--Lat 40°24'11", long 77°37'48", Hydrologic Unit 02050304, at State Game Land No. 215, and near Reeds Gap.

Owner: U.S. Geological Survey.

AQUIFER.--Brailler and Harrell Formations, undivided, Late Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 110 ft, cased to 18 ft, open hole.

INSTRUMENTATION.--Continuous strip-chart recorder; electronic data logger with 60-minute recording interval since June 1999.

DATUM.--Elevation of land surface is 635 ft above sea level, from topographic map. Measuring point: Top of plywood cover, 3.6 ft above land-surface datum.

REMARKS.--This well shows significant response to Earth tides. In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since June 1999, are also available from the District Office.

PERIOD OF RECORD.--June 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily maximum depth below land surface for the period of record indicated above. Highest water level, 10.65 ft below land-surface datum, Feb. 7, 1996; lowest, 16.62 ft below land-surface datum, June 10, 1994.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.96	14.33	14.54	---	12.84	13.16	12.93	12.85	13.87	14.80	15.17	13.96
2	15.04	14.37	14.54	---	---	13.20	12.90	12.87	13.95	14.80	15.18	14.07
3	15.07	14.38	14.52	---	---	13.21	12.91	12.88	13.93	14.80	15.20	14.18
4	14.99	14.43	14.54	---	---	---	12.89	12.88	13.95	14.80	15.21	14.30
5	14.97	14.43	14.54	---	12.74	---	12.95	12.89	13.99	14.81	15.22	14.39
6	14.97	14.47	14.51	---	12.74	---	12.91	12.91	14.04	14.82	15.27	14.37
7	14.89	14.47	14.48	---	12.76	---	12.92	12.91	14.10	14.87	15.32	14.15
8	14.72	14.44	14.51	---	12.85	---	12.89	12.67	14.20	14.93	15.28	13.36
9	14.10	14.44	14.44	---	12.82	---	12.83	12.05	14.32	14.98	15.32	13.29
10	13.52	14.32	14.42	---	12.88	---	12.14	12.23	14.46	14.98	15.33	13.33
11	13.51	14.35	14.38	---	12.91	12.87	12.04	12.39	14.51	15.05	15.33	13.43
12	13.52	14.32	14.38	---	12.91	12.93	12.21	12.47	14.58	15.07	15.36	13.54
13	13.52	14.29	14.34	---	12.96	12.92	12.34	12.57	14.62	15.06	15.32	13.63
14	13.51	14.24	14.41	---	13.04	---	12.45	12.70	14.62	15.07	14.90	13.70
15	13.60	14.29	14.40	---	13.07	---	12.51	12.79	14.64	15.06	14.24	13.76
16	13.68	14.30	14.40	---	13.08	---	12.52	12.85	14.64	15.06	14.12	13.75
17	13.74	14.38	14.43	---	13.08	---	12.64	12.88	14.53	15.05	14.12	12.86
18	13.79	14.41	14.50	---	13.07	---	12.74	12.89	14.32	15.04	14.19	12.70
19	13.88	14.37	14.52	---	13.09	---	12.78	12.91	14.22	15.03	14.29	12.82
20	13.94	14.39	14.54	---	13.12	---	12.73	12.96	14.20	15.05	14.38	12.92
21	14.00	14.46	14.54	---	13.16	---	12.71	13.00	14.21	15.08	14.14	12.98
22	14.09	14.46	14.56	---	13.22	---	12.61	13.06	14.26	15.08	13.80	13.03
23	14.11	14.45	---	---	---	---	12.45	13.00	14.33	15.10	13.80	13.14
24	14.13	14.40	---	---	---	---	12.49	12.85	14.40	15.11	13.89	13.28
25	14.16	14.45	---	---	13.28	12.59	12.52	12.92	14.49	15.15	13.92	13.45
26	14.20	14.35	---	12.33	13.32	12.70	12.55	13.05	14.59	15.17	13.86	13.57
27	14.20	14.41	---	12.46	13.32	12.76	12.65	13.21	14.65	15.20	13.77	13.63
28	14.20	14.43	---	12.47	13.29	12.81	12.72	13.35	14.68	15.21	13.68	13.69
29	14.24	14.46	---	12.49	---	12.89	12.78	13.50	14.69	15.20	13.68	13.51
30	14.27	14.46	---	12.65	---	12.94	12.83	13.65	14.78	15.21	13.79	13.10
31	14.30	---	---	12.80	---	12.94	---	13.77	---	15.22	13.88	---
MEAN	14.19	14.39	14.47	12.53	13.02	12.92	12.65	12.90	14.36	15.03	14.55	13.53
MAX	15.07	14.47	14.56	12.80	13.32	13.21	12.95	13.77	14.78	15.22	15.36	14.39
MIN	13.51	14.24	14.34	12.33	12.74	12.59	12.04	12.05	13.87	14.80	13.68	12.70

WTR YR 1999: HIGHEST 12.04, APRIL 11; LOWEST 15.36, AUGUST 12.

