

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.--Data collection platform with 60-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land surface is 635 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal cover, 3.55 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 USGS Pennsylvania Water Science Center.

PERIOD OF RECORD.--June 1968 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, 10.65 ft below land-surface datum, Feb. 7, 1996; lowest, 16.62 ft below land-surface datum, June 10, 1994.

EXTREMES FOR CURRENT YEAR.--Highest water level, 10.90 ft below land-surface datum, Sept. 18; lowest, 14.63 ft below land-surface datum, July 11, 12.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.59	12.49	12.53	12.64	13.28	12.54	12.58	12.55	13.08	14.36	12.46	13.53
2	12.62	12.56	12.64	12.64	13.30	12.45	11.86	12.58	13.09	14.41	12.53	13.68
3	12.73	12.61	12.70	12.61	13.27	12.21	11.89	12.37	13.22	14.48	12.64	13.80
4	12.73	12.68	12.71	12.56	13.36	11.98	12.04	12.32	13.37	14.51	12.72	13.91
5	12.81	12.69	12.67	12.20	13.36	11.97	12.23	12.40	13.34	14.53	12.30	14.01
6	12.90	12.66	12.73	12.05	13.33	12.01	12.35	12.52	13.06	14.57	12.34	14.09
7	12.99	12.69	12.79	12.27	12.95	12.03	12.42	12.59	13.04	14.57	12.48	14.14
8	13.07	12.79	12.83	12.39	12.66	12.15	12.47	12.60	13.09	14.48	12.62	14.19
9	13.15	12.80	12.85	12.52	12.67	12.27	12.45	12.64	13.19	14.53	12.74	13.85
10	13.21	12.80	12.85	12.59	12.67	12.40	12.51	12.67	13.29	14.57	12.85	12.63
11	13.25	12.77	12.60	12.63	12.75	12.43	12.57	12.72	13.30	14.63	13.01	12.76
12	13.30	12.71	11.85	12.61	12.78	12.51	12.52	12.79	12.94	14.63	13.18	12.86
13	13.35	12.70	12.09	12.66	12.82	12.65	12.33	12.85	12.86	13.73	13.05	12.94
14	13.38	12.73	12.15	12.70	12.86	12.65	11.92	12.90	12.89	13.00	12.69	13.02
15	13.15	12.77	12.30	12.75	12.97	12.72	12.15	12.81	12.95	13.03	12.78	12.95
16	12.85	12.80	12.38	12.82	13.00	12.69	12.29	12.74	13.04	13.12	12.85	12.89
17	12.82	12.80	12.43	12.84	12.97	12.76	12.39	12.84	13.09	13.26	12.91	12.93
18	12.63	12.82	12.55	12.88	12.95	12.75	12.48	12.91	13.13	13.37	12.98	12.23
19	12.62	12.70	12.66	12.97	12.95	12.72	12.53	12.71	13.24	13.40	13.03	11.66
20	12.71	11.85	12.80	13.05	12.95	12.65	12.63	12.66	13.42	13.43	13.02	11.90
21	12.67	12.14	12.82	13.04	12.82	12.35	12.66	12.60	13.57	13.48	12.96	12.08
22	12.78	12.36	12.85	13.06	12.75	12.27	12.68	12.39	13.68	13.59	12.74	12.28
23	12.88	12.48	12.85	13.07	12.68	12.37	12.65	12.39	13.82	13.62	12.78	12.48
24	12.99	12.53	12.73	13.10	12.62	12.46	12.70	12.50	13.92	13.53	12.91	12.67
25	13.00	12.57	12.22	13.14	12.69	12.52	12.71	12.61	13.99	13.53	13.05	12.80
26	13.00	12.63	12.27	13.10	12.72	12.54	12.56	12.54	14.06	13.59	13.16	12.93
27	12.94	12.65	12.35	13.07	12.73	12.56	12.20	12.63	14.18	13.47	13.28	13.00
28	12.37	12.63	12.41	13.07	12.72	12.63	12.34	12.75	14.28	12.59	13.41	13.00
29	12.31	12.38	12.46	13.09	12.64	12.66	12.43	12.90	14.29	12.69	13.19	12.22
30	12.36	12.44	12.50	13.10	---	12.68	12.50	13.01	14.31	12.82	13.21	12.39
31	12.43	---	12.54	13.21	---	12.64	---	13.09	---	12.87	13.37	---
MEAN	12.86	12.61	12.55	12.79	12.90	12.46	12.40	12.66	13.42	13.75	12.88	12.99
MAX	13.38	12.82	12.85	13.21	13.36	12.76	12.71	13.09	14.31	14.63	13.41	14.19
MIN	12.31	11.85	11.85	12.05	12.62	11.97	11.86	12.32	12.86	12.59	12.30	11.66

