

ERIE COUNTY

415607080044601. Local number, ER 82.

LOCATION.--Lat 41°56'07", long 80°04'46", Hydrologic Unit 05010004, near McLane.

Owner: U.S. Geological Survey.

AQUIFER.--Shale of Riceville Formation of Late Devonian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in., depth 82 ft, cased to 56 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval since May 17, 2001. Satellite telemetry at station.

DATUM.--Elevation of land-surface datum is 1,419 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of metal table, 3.44 ft above land-surface datum. Prior to May 17, 2001, top of plywood cover, 3.50 ft above land-surface datum.

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

PERIOD OF RECORD.--July 1966 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, 10.00 ft below land-surface datum, Mar. 17, 1973; lowest, 24.89 ft below land-surface datum, Oct. 21-23, 1998.

EXTREMES FOR CURRENT YEAR.--Highest water level, 17.78 ft below land-surface datum, Apr. 8-10; lowest, 21.78 ft below land-surface datum, Oct. 1.

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	21.78	20.26	18.20	18.17	18.29	18.35	17.87	20.21	18.95	19.30	19.34	19.77
2	21.70	20.20	18.17	18.15	18.32	18.34	17.89	20.11	18.99	19.33	19.31	19.71
3	21.62	20.13	18.16	18.11	18.35	18.31	17.90	19.96	19.03	19.36	19.29	19.58
4	21.53	20.05	18.16	18.08	18.35	18.31	17.90	19.82	19.06	19.39	19.27	19.48
5	21.45	19.96	18.16	18.05	18.35	18.30	17.90	19.69	19.07	19.40	19.26	19.42
6	21.41	19.88	18.14	18.05	18.34	18.28	17.86	19.57	19.08	19.44	19.25	19.38
7	21.38	19.81	18.13	18.05	18.33	18.25	17.85	19.46	19.09	19.50	19.24	19.37
8	21.37	19.75	18.11	18.05	18.31	18.22	17.80	19.39	19.12	19.56	19.23	19.34
9	21.35	19.68	18.13	18.07	18.29	18.19	17.78	19.31	19.12	19.59	19.21	19.34
10	21.33	19.60	18.16	18.08	18.27	18.20	17.79	19.25	19.08	19.61	19.21	19.35
11	21.31	19.51	18.19	18.08	18.24	18.20	17.79	19.16	19.07	19.61	19.20	19.36
12	21.28	19.43	18.22	18.10	18.21	18.20	17.82	19.06	19.04	19.58	19.23	19.36
13	21.25	19.34	18.22	18.10	18.19	18.20	17.88	18.97	18.96	19.58	19.31	19.36
14	21.20	19.27	18.21	18.09	18.24	18.20	17.96	18.87	18.86	19.61	19.38	19.34
15	21.16	19.19	18.19	18.08	18.30	18.18	18.04	18.77	18.77	19.64	19.41	19.31
16	21.11	19.12	18.16	18.08	18.35	18.15	18.10	18.68	18.70	19.67	19.42	19.28
17	21.06	19.05	18.12	18.08	18.36	18.13	18.17	18.62	18.67	19.71	19.44	19.34
18	21.02	18.95	18.09	18.06	18.37	18.11	18.25	18.63	18.66	19.75	19.48	19.41
19	20.97	18.86	18.05	18.06	18.40	18.08	18.38	18.71	18.64	19.80	19.53	19.42
20	20.89	18.77	18.01	18.05	18.43	18.05	18.49	18.76	18.64	19.87	19.58	19.42
21	20.80	18.71	17.96	18.08	18.44	17.98	18.59	18.78	18.67	19.88	19.63	19.41
22	20.72	18.66	17.91	18.13	18.44	17.89	18.75	18.81	18.70	19.87	19.65	19.40
23	20.67	18.59	17.89	18.16	18.43	17.83	19.01	18.81	18.75	19.80	19.66	19.36
24	20.63	18.54	17.90	18.19	18.39	17.80	19.34	18.81	18.80	19.74	19.70	19.29
25	20.57	18.49	17.90	18.20	18.36	17.79	19.67	18.79	18.89	19.70	19.74	19.25
26	20.51	18.43	17.93	18.21	18.36	17.79	19.94	18.77	18.98	19.67	19.76	19.21
27	20.44	18.37	17.99	18.23	18.36	17.79	20.13	18.80	19.08	19.67	19.77	19.16
28	20.39	18.32	18.05	18.23	18.36	17.80	20.23	18.84	19.16	19.62	19.80	19.06
29	20.38	18.27	18.11	18.24	---	17.83	20.25	18.85	19.20	19.51	19.80	18.96
30	20.36	18.22	18.15	18.26	---	17.86	20.25	18.88	19.26	19.43	19.80	18.87
31	20.31	---	18.16	18.28	---	17.87	---	18.91	---	19.38	19.79	---
MEAN	21.03	19.18	18.09	18.12	18.34	18.08	18.52	19.10	18.94	19.60	19.47	19.34
MAX	21.78	20.26	18.22	18.28	18.44	18.35	20.25	20.21	19.26	19.88	19.80	19.77
MIN	20.31	18.22	17.89	18.05	18.19	17.79	17.78	18.62	18.64	19.30	19.20	18.87

