

**ELK COUNTY**

**412458078324601. Local number, EK 108.**

**LOCATION.**--Lat 41°24'58", long 78°32'46", Hydrologic Unit 05010005, at St. Marys.

Owner: St. Marys Municipal Joint Water Authority.

**AQUIFER.**--Pottsville Group of Middle Pennsylvanian age.

**WELL CHARACTERISTICS.**--Drilled artesian well, diameter 12 in, depth 340 ft, cased to 40 ft, open hole.

**INSTRUMENTATION.**--Continuous strip-chart recorder.

**DATUM.**--Elevation of land-surface datum is 1,740 ft above sea level, from topographic map. Measuring point: Top of casing, 2.30 ft above land-surface datum.

**REMARKS.**--Since the installation of a sanitary sewer near the well in October 1996, water levels generally have been about 2 ft lower.

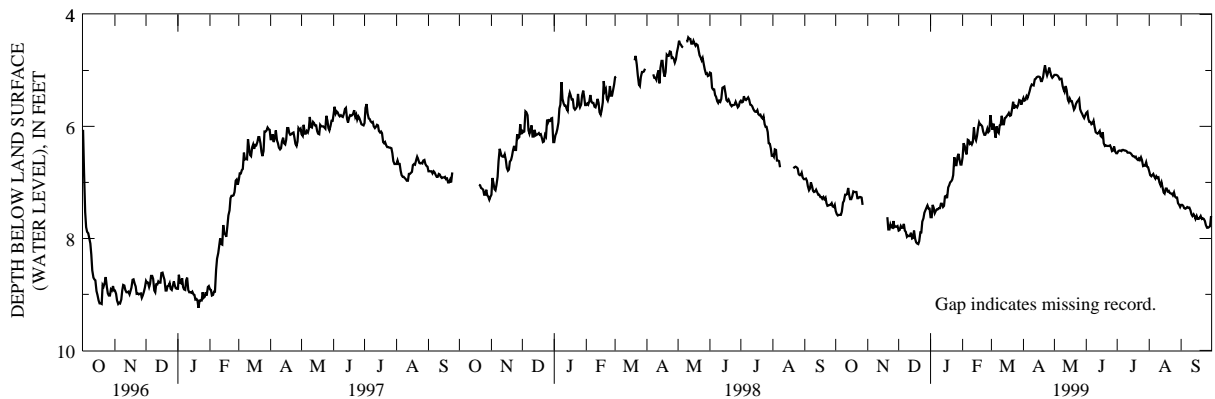
**PERIOD OF RECORD.**--October 1974 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level, 1.95 ft below land-surface datum, Mar. 4, 1991; lowest, 9.24 ft below land-surface datum, Jan. 21, 1996.

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	7.51	---	7.86	7.62	6.55	5.95	5.49	5.08	5.76	6.48	6.80	7.40
2	7.57	---	7.85	7.62	6.30	6.06	5.54	5.08	5.74	6.44	6.87	7.40
3	7.59	---	7.78	7.40	6.35	5.95	5.53	5.08	5.87	6.43	6.89	7.42
4	7.58	---	7.81	7.45	6.45	6.06	5.46	5.09	5.92	6.43	6.87	7.46
5	7.58	---	7.81	7.55	6.50	6.20	5.49	5.11	5.92	6.44	6.85	7.47
6	7.58	---	7.74	7.51	6.24	6.00	5.44	5.16	5.96	6.42	6.90	7.46
7	7.52	---	7.86	7.48	6.25	6.09	5.37	5.15	5.95	6.42	6.93	7.44
8	7.36	---	7.88	7.48	6.31	6.12	5.30	5.15	5.90	6.43	6.89	7.45
9	7.33	---	7.97	7.46	6.29	5.98	5.25	5.28	6.00	6.43	6.92	7.45
10	7.22	---	7.95	7.46	6.32	5.97	5.26	5.34	6.10	6.44	6.91	7.50
11	7.22	---	7.96	7.38	6.28	5.81	5.27	5.38	6.12	6.47	7.00	7.57
12	7.21	---	7.95	7.38	6.02	5.96	5.16	5.28	6.13	6.47	7.05	7.60
13	7.10	---	7.90	7.44	6.20	5.96	5.15	5.35	6.11	6.47	7.00	7.57
14	7.22	---	8.00	7.42	6.25	5.85	5.12	5.52	6.08	6.48	7.10	7.60
15	7.30	---	7.99	7.25	6.17	5.84	5.11	5.56	6.17	6.50	7.18	7.65
16	7.30	---	7.86	7.24	6.04	5.81	5.11	5.50	6.19	6.53	7.20	7.60
17	7.25	---	8.01	7.28	5.93	5.79	5.12	5.55	6.10	6.53	7.11	7.65
18	7.16	---	8.07	7.09	5.97	5.76	5.19	5.55	6.30	6.55	7.11	7.65
19	7.17	---	8.09	7.05	5.97	5.81	5.19	5.62	6.35	6.54	7.16	7.63
20	7.17	7.62	8.10	7.00	6.00	5.80	5.12	5.70	6.34	6.58	7.15	7.60
21	7.17	7.84	8.05	6.98	6.09	5.68	5.00	5.67	6.35	6.60	7.19	7.65
22	7.28	7.84	7.89	6.95	6.15	5.56	4.91	5.60	6.35	6.57	7.20	7.64
23	7.28	7.75	7.89	6.87	6.15	5.68	5.03	5.56	6.35	6.60	7.20	7.65
24	7.26	7.80	7.70	6.55	6.11	5.63	5.09	5.54	6.34	6.55	7.23	7.69
25	7.26	7.81	7.64	6.69	6.04	5.64	5.03	5.51	6.38	6.60	7.18	7.76
26	7.27	7.69	7.54	6.69	6.10	5.66	4.95	5.69	6.44	6.71	7.25	7.81
27	7.40	7.80	7.50	6.55	6.08	5.61	5.02	5.74	6.43	6.70	7.27	7.81
28	---	7.79	7.45	6.49	5.80	5.53	5.10	5.78	6.36	6.70	7.27	7.80
29	---	7.79	7.41	6.60	---	5.54	5.13	5.82	6.45	6.64	7.37	7.78
30	---	7.78	7.47	6.68	---	5.61	5.11	5.85	6.48	6.72	7.40	7.60
31	---	---	7.47	6.68	---	5.55	---	5.80	---	6.73	7.44	---
MEAN	7.33	7.77	7.82	7.14	6.18	5.82	5.20	5.45	6.16	6.54	7.09	7.59
MAX	7.59	7.84	8.10	7.62	6.55	6.20	5.54	5.85	6.48	6.73	7.44	7.81
MIN	7.10	7.62	7.41	6.49	5.80	5.53	4.91	5.08	5.74	6.42	6.80	7.40

WTR YR 1999: HIGHEST 4.91, APRIL 22; LOWEST 8.10, DECEMBER 20.



3-YEAR HYDROGRAPH  
OCTOBER 1, 1996 TO SEPTEMBER 30, 1999