

MIFFLIN COUNTY

404140077354001. Local number, MF 344.

LOCATION.--Lat 40°41'40", long 77°35'48", Hydrologic Unit 02050304, at Roseann.

Owner: Privately owned.

AQUIFER.--Bellefonte Formation, Early-Middle Ordovician age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 200 ft, cased to 42 ft, open hole.

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

DATUM.--Elevation of land surface is 800 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of shelter platform, 2.92 ft above land-surface datum. Prior to July 1998, measuring point was 1.0 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since August 1998, are also available from the USGS Pennsylvania Water Science Center.

PERIOD OF RECORD.--September 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown 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, 4.25 ft below land-surface datum, Sept. 18, 2004; lowest, 77.13 ft below land-surface datum, Oct. 11, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 28.57 ft below land-surface datum, Jan. 7; lowest, 67.13 ft below land-surface datum, Sept. 26.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.88	52.64	40.16	51.52	51.25	50.64	35.23	55.10	58.56	60.14	60.09	62.97
2	37.04	52.79	32.83	51.86	51.74	51.13	35.71	55.41	58.58	60.39	60.22	62.94
3	38.20	53.27	34.36	52.03	52.22	51.43	33.67	55.69	58.61	60.61	60.40	63.07
4	39.18	53.36	35.76	52.06	52.72	51.64	33.64	56.01	58.60	60.78	60.63	63.25
5	40.23	53.70	37.27	52.14	53.14	51.92	34.80	56.20	58.65	60.89	60.87	63.43
6	41.62	53.96	38.67	50.91	53.46	52.05	36.01	56.36	58.68	60.74	61.06	63.57
7	42.72	54.33	39.92	30.39	53.64	52.07	37.21	56.54	58.12	60.20	61.26	63.60
8	43.49	54.81	41.69	33.00	53.83	50.93	38.56	56.79	58.29	60.16	61.47	63.72
9	44.44	55.19	42.48	33.95	53.93	46.50	39.89	56.98	58.40	58.67	61.67	63.88
10	45.53	55.37	42.44	34.93	53.82	44.52	41.47	57.18	58.22	58.75	61.86	64.10
11	46.55	55.65	40.19	36.02	53.19	43.74	42.59	57.37	58.18	58.88	62.07	64.29
12	47.40	55.72	37.54	36.90	52.75	44.24	43.21	57.63	58.23	59.06	62.23	64.35
13	48.23	55.63	37.72	37.16	52.57	45.13	44.04	57.71	58.36	59.20	62.47	64.62
14	49.05	55.72	38.77	37.16	52.52	45.82	45.31	57.79	58.48	59.30	62.72	64.87
15	49.72	55.70	39.77	35.95	52.21	46.60	46.45	57.93	58.64	59.44	62.96	65.12
16	50.17	55.73	40.72	35.46	51.87	47.42	47.54	58.00	58.77	59.55	63.09	65.25
17	50.83	55.79	42.11	36.52	50.99	48.15	48.31	58.03	58.84	59.59	63.02	65.45
18	51.57	55.86	42.98	37.56	49.38	49.05	49.06	58.10	58.94	59.57	63.09	65.68
19	51.60	55.95	43.88	38.45	48.76	49.71	49.96	58.19	59.02	59.63	63.13	65.86
20	50.93	56.01	45.08	39.64	48.39	50.31	50.67	58.22	59.06	59.72	62.74	66.07
21	51.05	56.14	46.22	40.90	48.35	51.01	51.51	58.23	59.07	59.75	62.55	66.29
22	51.09	56.22	47.41	41.67	48.87	51.60	52.04	58.27	59.18	59.76	62.66	66.45
23	51.09	56.34	47.77	42.98	49.56	51.83	52.38	58.30	59.23	59.78	62.86	66.72
24	51.11	56.37	48.03	43.92	49.98	51.82	52.68	58.36	59.29	59.76	63.01	66.93
25	51.33	53.94	48.41	45.20	50.40	51.76	53.08	58.36	59.39	59.74	63.18	67.09
26	51.51	50.53	48.78	46.58	50.69	51.59	53.38	58.39	59.53	59.58	63.24	67.13
27	51.68	48.27	49.38	47.73	50.87	50.95	53.76	58.47	59.68	59.59	63.31	66.99
28	51.90	47.27	49.73	48.62	50.86	49.65	54.11	58.48	59.79	59.68	63.41	66.92
29	52.04	42.65	50.22	49.23	---	35.74	54.44	58.46	59.93	59.82	63.54	66.99
30	52.06	40.58	50.64	50.03	---	32.30	54.73	58.47	59.99	59.91	63.62	67.06
31	52.29	---	51.00	50.68	---	33.86	---	58.52	---	60.01	63.61	---
MEAN	47.47	53.52	42.97	42.62	51.50	47.91	45.51	57.53	58.88	59.76	62.32	65.16
MAX	52.29	56.37	51.00	52.14	53.93	52.07	54.73	58.52	59.99	60.89	63.62	67.13
MIN	35.88	40.58	32.83	30.39	48.35	32.30	33.64	55.10	58.12	58.67	60.09	62.94

