

LANCASTER COUNTY

395947076145903. Local number, LN 2039.

LOCATION.--Lat 39°59'47", long 76°14'59", Hydrologic Unit 02050306, 50 ft upstream from box culvert on Mentzer Road, 0.2 mi north of the intersection with SR 741, and 0.5 mi northwest of Lampeter.

Owner: U.S. Geological Survey.

AQUIFER.--Limestone of the Cambro-Ordovician age Conestoga Formation.

WATER-LEVEL RECORDS

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. steel, depth 63 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Pressure transducer and data logger with 60-minute recording interval.

DATUM.--Land-surface datum is 348.18 ft (revised) above sea level. Measuring point: Top of casing, 3.3 ft above land-surface datum.

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

PERIOD OF RECORD.--June 1994 to current year.

REVISIONS.--Daily mean elevations published for water years 1994, 1995, 1996, and 1997 have been revised. Revised records are available from the District Office.

EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily mean water level elevation for the period of record indicated above.

Highest water level, 351.35 ft, Dec. 14, 1996; lowest water level, 342.46 ft, Sept. 4, 1999.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	343.23	345.19	345.06	344.29	346.43	347.35	348.11	347.94	347.44	346.18	343.09	342.62
2	343.20	345.14	344.98	344.10	346.67	347.32	348.10	347.92	347.44	346.10	343.03	342.54
3	343.16	345.09	344.91	344.91	346.83	347.35	348.08	---	347.46	346.31	342.95	342.49
4	344.29	345.05	344.85	345.54	346.83	347.61	348.07	---	347.41	346.31	342.88	342.46
5	344.73	---	344.77	345.59	346.79	347.77	348.02	347.86	347.37	346.08	342.83	342.60
6	344.32	---	344.71	345.63	346.79	347.81	348.01	347.86	347.35	345.81	342.78	343.77
7	---	344.88	344.65	345.64	346.77	347.77	348.00	347.85	347.33	---	342.73	344.74
8	344.70	344.85	344.66	345.66	346.79	347.73	347.99	347.87	347.29	345.09	342.70	344.92
9	345.63	344.81	345.34	345.85	346.81	347.73	348.02	347.83	347.26	344.94	342.70	344.78
10	345.97	344.79	345.44	345.99	346.80	347.70	348.06	347.80	347.22	344.82	342.66	345.10
11	345.84	345.09	345.21	345.92	346.80	347.67	348.05	347.76	347.20	345.16	342.62	344.98
12	345.83	345.47	345.03	345.89	346.87	347.64	348.13	347.75	347.16	344.97	342.58	344.43
13	345.85	345.32	344.95	---	347.14	347.62	348.12	347.78	347.13	344.73	342.55	343.91
14	345.82	345.17	344.87	---	347.14	347.64	348.08	347.73	347.13	344.54	342.97	343.54
15	345.79	345.09	---	346.00	347.12	347.67	348.07	347.70	347.13	344.41	344.31	343.73
16	345.75	345.00	---	346.18	347.08	347.76	348.06	347.67	347.10	344.28	343.95	347.57
17	345.71	344.94	344.62	346.24	347.07	348.00	348.04	347.65	347.09	344.17	343.44	348.01
18	345.71	344.86	344.53	346.58	347.26	348.02	348.01	347.63	347.14	344.06	343.13	347.29
19	345.69	344.79	344.42	346.58	347.43	347.96	348.00	347.63	347.09	343.96	342.93	346.93
20	345.67	344.77	344.36	346.34	347.40	347.92	---	347.61	347.05	343.86	342.79	346.68
21	345.63	344.80	344.31	346.23	347.34	347.96	347.94	347.60	347.02	343.80	342.72	346.60
22	345.54	344.75	344.33	346.28	347.29	348.90	347.98	347.59	347.01	343.87	342.68	346.78
23	345.42	344.68	344.32	346.29	347.26	348.64	347.98	347.60	346.97	343.92	342.63	346.78
24	345.35	344.63	344.23	346.79	347.25	348.46	347.98	347.62	346.93	343.71	342.58	346.69
25	345.29	344.55	344.18	346.91	347.24	348.35	348.00	347.59	346.87	343.60	342.54	346.58
26	345.24	345.06	344.12	346.71	347.22	348.27	348.01	347.57	346.83	343.58	343.83	346.51
27	345.21	345.51	344.08	346.59	347.22	348.23	347.97	347.55	346.72	343.49	344.01	346.50
28	345.23	345.55	344.08	346.47	347.28	348.20	347.96	347.52	346.58	343.38	343.63	346.49
29	345.40	345.36	344.13	346.38	---	348.17	347.96	347.51	346.45	343.30	343.15	346.49
30	345.36	345.16	344.35	346.33	---	348.13	347.94	347.50	346.29	343.23	342.89	347.05
31	345.25	---	344.42	346.37	---	348.11	---	347.48	---	343.16	342.72	---
MEAN	345.19	345.01	344.62	346.01	347.03	347.92	348.03	347.69	347.08	344.49	343.00	345.32
MAX	345.97	345.55	345.44	346.91	347.43	348.90	348.13	347.94	347.46	346.31	344.31	348.01
MIN	343.16	344.55	344.08	344.10	346.43	347.32	347.94	347.48	346.29	343.16	342.54	342.46

WTR YR 1999: HIGHEST 348.90, MARCH 22; LOWEST 342.46, SEPTEMBER 4.



