

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 (discontinued).

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

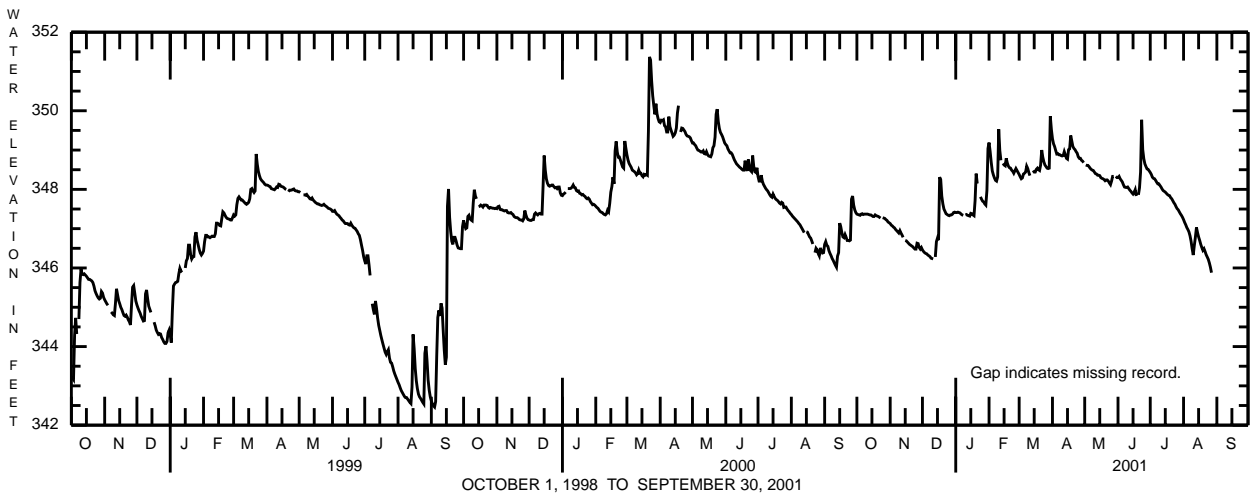
EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily mean depth in feet above sea level. Since that date, the extremes are based on the instantaneous depth in feet above sea level.

Highest water level, 351.41 ft, Jan. 19, 1996; lowest water level, 342.42 ft, Sept. 5, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 350.63 ft below land-surface datum, June 22; lowest, 345.76 ft above sea level, Aug. 28.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	347.37	347.13	346.46	347.41	349.19	348.38	349.29	---	348.30	348.43	347.23	---
2	347.36	347.09	346.42	347.41	348.97	348.32	349.16	348.62	348.33	348.38	347.16	---
3	347.35	347.07	346.39	347.42	348.69	348.27	349.09	348.61	348.27	348.31	347.10	---
4	347.34	347.04	346.37	347.41	348.47	348.29	348.99	348.61	348.23	348.28	347.03	---
5	347.37	347.02	346.36	347.40	348.37	348.39	348.90	348.58	348.19	348.27	346.98	---
6	347.38	346.98	346.33	347.37	348.29	348.41	348.91	348.54	348.12	348.23	346.92	---
7	347.36	346.95	346.31	347.35	348.23	348.44	348.88	348.51	348.06	348.18	346.82	---
8	347.37	346.92	346.29	347.34	348.21	348.59	348.88	348.49	348.05	348.14	346.68	---
9	347.37	346.89	346.25	---	348.32	348.53	348.86	348.48	348.05	348.14	346.49	---
10	347.37	346.95	346.24	347.35	349.53	348.43	348.85	348.44	348.06	348.10	346.33	---
11	347.37	346.89	346.23	347.36	348.99	348.35	348.86	348.40	348.02	348.06	346.57	---
12	347.36	346.84	---	347.34	348.74	---	348.96	348.39	347.98	348.01	346.78	---
13	347.35	346.78	346.28	347.33	---	---	348.88	348.36	347.95	347.97	347.03	---
14	347.35	---	346.67	347.32	348.66	348.48	348.79	348.36	347.91	347.95	346.90	---
15	347.33	346.70	346.76	347.39	348.62	348.44	348.77	348.35	347.88	347.93	346.79	---
16	347.31	346.69	346.71	347.38	348.60	348.44	349.01	348.30	347.92	347.90	346.70	---
17	347.31	346.66	348.31	347.35	348.79	348.51	349.03	348.28	347.99	347.87	346.60	---
18	347.35	346.63	348.25	347.33	348.67	348.54	349.37	348.27	347.83	347.85	346.52	---
19	347.33	346.60	347.83	347.71	348.59	348.50	349.23	348.25	---	347.84	346.45	---
20	347.32	346.58	347.63	348.40	348.55	348.48	349.09	348.22	347.86	347.79	346.49	---
21	347.31	346.56	347.50	348.15	348.54	348.62	349.04	348.24	348.04	347.76	346.42	---
22	347.29	346.54	347.44	---	348.49	349.00	349.01	348.24	348.44	347.71	346.34	---
23	347.27	346.51	347.38	---	348.46	348.82	348.96	348.21	349.77	347.66	346.28	---
24	---	346.48	347.36	347.81	348.41	348.70	348.92	348.16	349.01	347.62	346.22	---
25	347.28	346.48	347.34	347.75	348.47	348.62	348.83	348.12	348.78	347.56	346.13	---
26	347.27	346.63	347.33	347.70	348.53	348.58	348.79	348.21	348.65	347.51	346.02	---
27	347.26	346.62	347.35	347.68	348.48	348.54	348.79	348.33	348.58	347.48	345.88	---
28	347.23	346.52	347.35	347.63	348.43	348.53	348.74	348.33	348.52	347.43	---	---
29	347.21	346.48	347.37	347.60	---	348.54	348.72	---	348.51	347.38	---	---
30	347.17	346.52	347.41	347.97	---	349.86	348.68	348.33	348.47	347.34	---	---
31	347.15	---	347.42	349.04	---	349.52	---	348.30	---	347.29	---	---
MEAN	347.32	346.75	346.98	347.60	348.60	348.59	348.94	348.36	348.27	347.88	346.62	---
MAX	347.38	347.13	348.31	349.04	349.53	349.86	349.37	348.62	349.77	348.43	347.23	---
MIN	347.15	346.48	346.23	347.32	348.21	348.27	348.68	348.12	347.83	347.29	345.88	---



LANCASTER COUNTY

395947076145903. Local number, LN 2039--Continued

WATER-QUALITY RECORDS

REMARKS.--Samples collected with submersible pump from recovery water after well was pumped more than 3 times casing volume.
 PERIOD OF RECORD.--November 1993 to current year (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	AGENCY	AGENCY	DEPTH	OXYGEN, DIS- SOLVED (MG/L)	PH	SPE- CIFIC CON- DUCT- ANCE (μ S/CM)	
		ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COL- LECTING SAMPLE (CODE NUMBER) (00027)	BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)		WATER WHOLE FIELD (STAND- ARD UNITS) (00400)		
OCT 2000								
24...	0910	1028	1028	.91	7.1	7.2	897	
NOV								
14...	0950	1028	1028	1.13	6.7	7.2	880	
DEC								
12...	0915	80020	1028	1.95	7.8	7.3	827	
JAN 2001								
09...	0935	1028	1028	.85	--	7.3	925	
FEB								
13...	0915	1028	1028	-0.48	8.7	7.0	859	
MAR								
12...	0845	80020	1028	-0.12	--	--	882	
MAY								
01...	0835	1028	1028	-0.47	--	7.1	865	
29...	0940	1028	1028	-0.10	7.5	6.7	866	
JUN								
19...	0935	80020	1028	.39	9.7	7.0	863	
DATE		NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	FECAL STREP, KF STRP, MF, WATER (COL/ 100 ML) (31673)
OCT 2000								
24...	--	--	--	--	--	--	--	10k
NOV								
14...	--	--	--	--	--	--	--	0k
DEC								
12...	<.041	.15	15.1	<.006	E.004	--	--	0k
JAN 2001								
09...	--	--	--	--	--	--	--	0k
FEB								
13...	--	--	--	--	--	--	--	2k
MAR								
12...	<.041	.25	16.2	<.006	E.005	--	--	0k
MAY								
01...	--	--	--	--	--	--	--	0k
29...	--	--	--	--	--	--	--	8k
JUN								
19...	<.040	.22	14.9	<.006	E.003	<.020	--	0k