

LANCASTER COUNTY

395947076145902. Local number, LN 2038.

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.--Quaternary age alluvium.

WATER-LEVEL RECORDS

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. PVC, depth 6.6 ft, cased to 6.6 ft, closed end, screened from 4 to 5 ft.

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

DATUM.--Land-surface datum is 347.84 (revised) ft above sea level. Measuring point: Top of casing, 1.6 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.

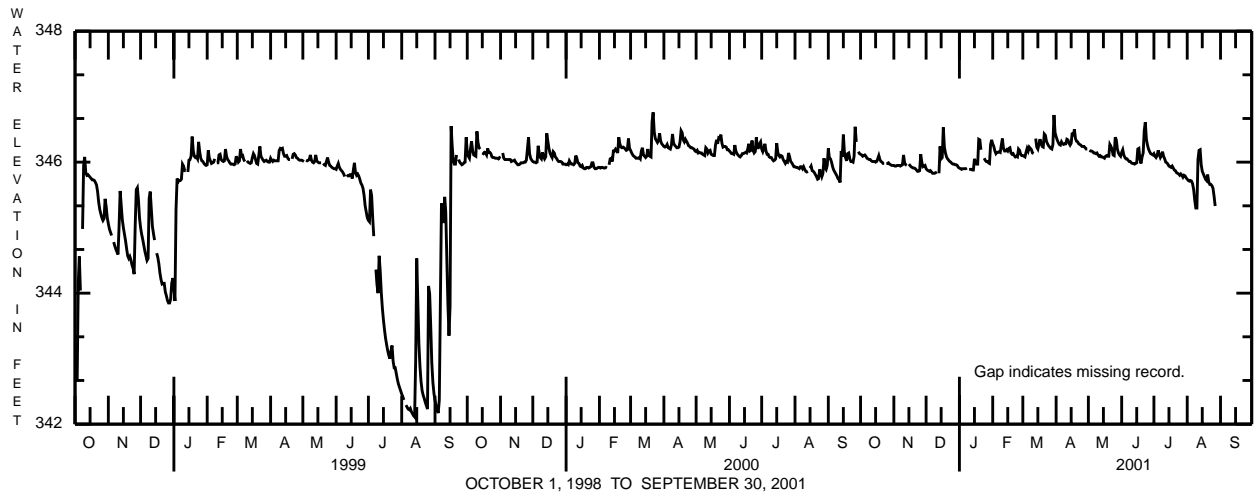
EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily mean depth in feet above sea level. Since that date, the extremes are based on the instantaneous depth in feet above sea level.

Highest water level, 348.71 ft, June 22, 2001; lowest water level, 342.09 ft, Aug. 13, 14, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 348.71 ft above sea level, June 22; lowest, 345.15 ft above sea level, Aug. 10.

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	346.12	345.95	345.90	345.91	346.28	346.10	346.39	---	346.15	346.13	345.74	---
2	346.11	345.94	345.88	345.90	346.24	346.09	346.34	346.18	346.19	346.09	345.72	---
3	346.09	345.94	345.87	345.89	346.17	346.08	346.30	346.17	346.11	346.07	345.71	---
4	346.10	345.95	345.86	345.90	346.13	346.15	346.27	346.17	346.07	346.10	345.72	---
5	346.11	345.95	345.87	345.90	346.15	346.21	346.26	346.16	346.05	346.18	345.71	---
6	346.09	345.95	345.85	345.90	346.15	346.17	346.31	346.14	346.05	346.12	345.67	---
7	346.06	345.94	345.83	345.90	346.16	346.23	346.28	346.14	346.03	346.07	345.58	---
8	346.05	345.95	345.83	345.91	346.15	346.21	346.27	346.13	346.01	346.10	345.42	---
9	346.04	345.96	345.83	---	346.26	346.19	346.28	346.14	346.01	346.16	345.30	---
10	346.04	346.11	345.84	345.89	346.36	346.14	346.28	346.11	345.99	346.09	345.30	---
11	346.02	345.99	345.85	345.89	346.21	346.13	346.35	346.09	345.98	346.05	346.04	---
12	346.01	345.96	---	345.89	346.17	---	346.34	346.10	345.98	346.00	346.18	---
13	346.01	345.95	345.83	345.88	346.17	346.36	346.29	346.08	345.97	345.99	346.19	---
14	346.01	---	346.24	345.88	346.19	346.23	346.26	346.08	345.98	345.97	345.96	---
15	346.00	345.97	346.05	346.05	346.17	346.20	346.29	346.07	345.99	345.94	345.86	---
16	346.01	345.95	346.07	346.00	346.21	346.27	346.45	346.06	346.20	345.93	345.82	---
17	346.05	345.93	346.53	345.97	346.22	346.35	346.40	346.09	346.21	345.92	345.78	---
18	346.10	345.92	346.23	345.97	346.14	346.29	346.50	346.10	346.04	345.94	345.74	---
19	346.04	345.91	346.14	346.35	346.12	346.24	346.36	346.09	345.98	345.91	345.72	---
20	346.01	345.91	346.08	346.34	346.13	346.23	346.32	346.09	346.08	345.88	345.81	---
21	346.00	345.90	346.05	346.19	346.10	346.43	346.31	346.27	346.14	345.87	345.70	---
22	345.98	345.88	346.03	---	346.08	346.41	346.28	346.24	346.48	345.84	345.66	---
23	345.98	345.86	346.01	---	346.09	346.32	346.27	346.20	346.61	345.83	345.66	---
24	---	345.86	346.00	346.06	346.08	346.28	346.26	346.11	346.35	345.82	345.64	---
25	345.98	345.87	345.98	346.03	346.20	346.25	346.24	346.10	346.26	345.80	345.60	---
26	345.98	346.12	345.97	346.01	346.18	346.23	346.24	346.38	346.20	345.82	345.48	---
27	345.99	346.00	345.97	346.01	346.12	346.21	346.24	346.34	346.16	345.80	345.33	---
28	345.97	345.93	345.96	345.99	346.10	346.20	346.22	346.20	346.13	345.77	---	---
29	345.96	345.94	345.96	345.98	---	346.27	346.20	346.14	346.12	345.80	---	---
30	345.95	345.95	345.95	346.27	---	346.72	346.20	346.11	346.11	345.79	---	---
31	345.95	---	345.92	346.34	---	346.45	---	346.09	---	345.76	---	---
MEAN	346.03	345.95	345.98	346.01	346.17	346.25	346.30	346.15	346.12	345.95	345.71	---
MAX	346.12	346.12	346.53	346.35	346.36	346.72	346.50	346.38	346.61	346.18	346.19	---
MIN	345.95	345.86	345.83	345.88	346.08	346.08	346.20	346.06	345.97	345.76	345.30	---



LANCASTER COUNTY

395947076145902. Local number, LN 2038--Continued

WATER-QUALITY RECORDS

REMARKS.--Samples collected with peristaltic pump from recovery water after well pumped dry.
 PERIOD OF RECORD.--November 1993 to current year (discontinued).

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	
NOV 2000								
14...	0955	1028	1028	1.89	2.6	7.1	844	
DEC								
12...	0925	80020	1028	2.00	3.5	7.3	776	
JAN 2001								
09...	0945	1028	1028	1.94	--	7.2	905	
FEB								
13...	0900	1028	1028	1.68	2.2	7.0	879	
MAR								
12...	0850	80020	1028	1.73	--	--	871	
MAY								
01...	0840	1028	1028	1.66	1.4	6.9	853	
29...	1000	1028	1028	1.68	.8	6.7	842	
JUN								
19...	0940	80020	1028	1.82	1.9	6.8	839	
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, MP, WATER (COL/ 100 ML) (31673)
NOV 2000								
14...	--	--	--	--	--	--	--	880
DEC								
12...	<.041	.25	9.65	.017	.010	--	--	3000
JAN 2001								
09...	--	--	--	--	--	--	--	140
FEB								
13...	--	--	--	--	--	--	--	400
MAR								
12...	<.041	.33	14.7	.006	.011	--	--	50
MAY								
01...	--	--	--	--	--	--	--	10k
29...	--	--	--	--	--	--	--	750
JUN								
19...	<.040	.33	9.92	.049	.015	<.020	--	3500