

LANCASTER COUNTY

395947076145901. Local number, LN 2037.

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 ft, cased to 6 ft, closed end, screened from 3.5 to 4.5 ft.

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

DATUM.--Land-surface datum is 347.97 ft (revised) above sea level. Measuring point: Top of casing, 1.45 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. Well is dry at 343.64 ft.

PERIOD OF RECORD.--June 1994 to current year (discontinued).

REVISIONS.--Daily mean elevations published for water years 1994, 1995, 1996, 1997, and 1998 have been revised. Revised records are available from the District Office.

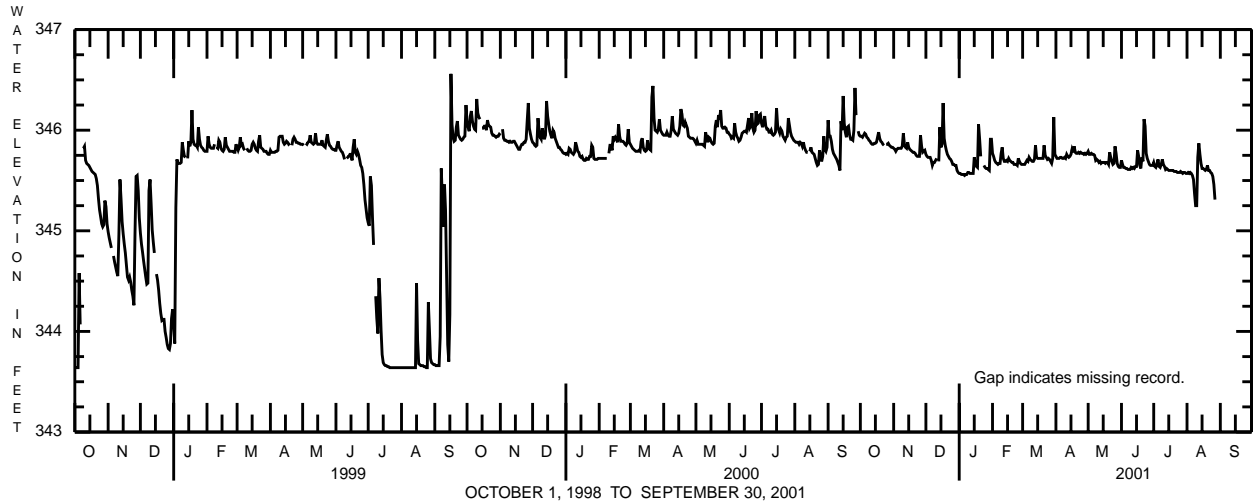
EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily mean depth in feet above sea level. Since that date, the extremes are based on the instantaneous depth in feet above sea level.

Highest water level, 348.81 ft, June 22, 2001; lowest measured, dry many days.

EXTREMES FOR CURRENT YEAR.--Highest water level, 348.81 ft above sea level, June 22; lowest, 345.10 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	345.94	345.82	345.76	345.57	345.77	345.66	345.74	345.79	345.70	345.68	345.57	---
2	345.94	345.81	345.74	345.57	345.74	345.66	345.72	345.76	345.66	345.64	345.58	---
3	345.93	345.79	345.73	345.56	345.70	345.66	345.72	345.76	345.63	345.63	345.57	---
4	345.95	345.81	345.73	345.56	345.68	345.68	345.72	345.77	345.63	345.66	345.58	---
5	345.97	345.82	345.73	345.56	345.67	345.70	345.73	345.76	345.62	345.71	345.57	---
6	345.96	345.82	345.70	345.55	345.66	345.69	345.73	345.76	345.62	345.64	345.55	---
7	345.93	345.82	345.65	345.56	345.67	345.73	345.72	345.75	345.61	345.63	345.51	---
8	345.92	345.82	345.68	345.56	345.67	345.71	345.72	345.70	345.61	345.66	345.37	---
9	345.90	345.84	345.68	345.58	345.77	345.70	345.73	345.71	345.61	345.71	345.25	---
10	345.89	345.97	345.70	345.58	345.83	345.69	345.72	345.70	345.63	345.66	345.25	---
11	345.87	345.86	345.72	345.57	345.72	345.69	345.76	345.68	345.62	345.64	345.73	---
12	345.86	345.83	---	345.57	345.69	345.71	345.74	345.69	345.63	345.61	345.87	---
13	345.86	345.82	345.69	345.57	345.69	345.85	345.73	345.67	345.62	345.62	345.76	---
14	345.87	345.88	346.03	345.57	345.70	345.73	345.74	345.68	345.64	345.61	345.67	---
15	345.87	345.83	345.83	345.73	345.69	345.72	345.76	345.68	345.64	345.60	345.62	---
16	345.88	345.81	345.86	345.67	345.72	345.72	345.81	345.68	345.80	345.60	345.62	---
17	345.93	345.80	346.27	345.64	345.70	345.72	345.78	345.67	345.74	345.60	345.61	---
18	345.98	345.79	345.92	345.63	345.69	345.72	345.84	345.68	345.65	345.60	345.60	---
19	345.92	345.78	345.85	346.06	345.68	345.72	345.78	345.68	345.62	345.60	345.61	---
20	345.89	345.78	345.80	345.91	345.68	345.72	345.77	345.66	345.73	345.59	345.65	---
21	345.88	345.77	345.76	345.74	345.66	345.85	345.77	345.78	345.69	345.59	345.60	---
22	345.86	345.75	345.74	---	345.66	345.75	345.78	345.73	346.11	345.59	345.60	---
23	345.85	345.74	345.72	---	345.66	345.73	345.77	345.69	346.04	345.58	345.58	---
24	---	345.74	345.71	345.65	345.65	345.71	345.78	345.66	345.77	345.58	345.57	---
25	345.86	345.74	345.69	345.63	345.72	345.72	345.77	345.67	345.72	345.58	345.54	---
26	345.86	345.95	345.66	345.62	345.69	345.71	345.77	345.84	345.69	345.59	345.46	---
27	345.87	345.84	345.66	345.62	345.67	345.69	345.76	345.77	345.66	345.58	345.31	---
28	345.85	345.78	345.65	345.61	345.66	345.67	345.77	345.67	345.65	345.57	---	---
29	345.84	345.79	345.65	345.60	---	345.72	345.76	345.64	345.65	345.58	---	---
30	345.83	345.80	345.60	345.91	---	346.13	345.77	345.63	345.65	345.58	---	---
31	345.83	---	345.58	345.91	---	345.76	---	345.63	---	345.57	---	---
MEAN	345.89	345.81	345.75	345.65	345.70	345.73	345.76	345.71	345.69	345.62	345.56	---
MAX	345.98	345.97	346.27	346.06	345.83	346.13	345.84	345.84	346.11	345.71	345.87	---
MIN	345.83	345.74	345.58	345.55	345.65	345.66	345.72	345.63	345.61	345.57	345.25	---



OCTOBER 1, 1998 TO SEPTEMBER 30, 2001

LANCASTER COUNTY

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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)	
OCT 2000								
24...	0915	1028	1028	1.86	1.3	7.0	887	
24...	0920	1028	1028	2.11	3.2	7.0	893	
NOV								
14...	1000	1028	1028	2.15	5.2	7.1	845	
DEC								
12...	0930	80020	1028	2.26	6.4	7.3	790	
JAN 2001								
09...	0950	1028	1028	2.40	--	7.3	913	
FEB								
13...	0905	1028	1028	2.26	3.6	7.0	881	
MAR								
12...	0855	80020	1028	2.28	--	--	894	
MAY								
01...	0850	1028	1028	2.20	3.8	6.9	854	
29...	0950	1028	1028	2.31	1.9	6.7	850	
JUN								
19...	0955	80020	1028	2.33	2.7	6.8	842	
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...	--	--	--	--	--	--	--	170
24...	--	--	--	--	--	--	--	310
NOV								
14...	--	--	--	--	--	--	--	2600
DEC								
12...	<.041	.26	8.66	<.006	.006	--	--	840
JAN 2001								
09...	--	--	--	--	--	--	--	690
FEB								
13...	--	--	--	--	--	--	--	580
MAR								
12...	<.041	.29	15.1	E.003	.007	--	--	120
MAY								
01...	--	--	--	--	--	--	--	51
29...	--	--	--	--	--	--	--	1500
JUN								
19...	<.040	.28	9.78	.017	.007	<.020	--	2400