

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.

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.

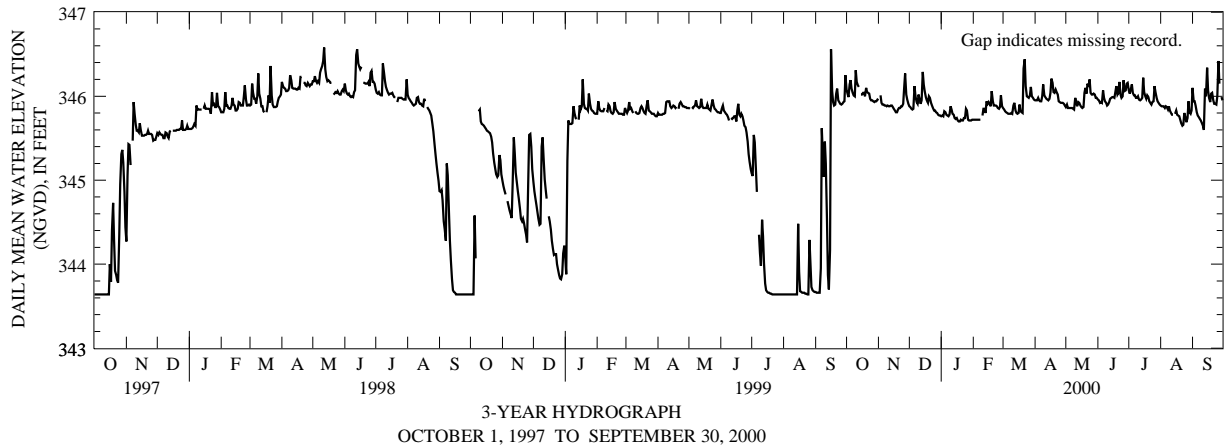
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily mean water level elevation for the period of record indicated above.

Highest water level, 346.70 ft, Oct. 19, 1996; lowest measured, dry many days.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346.08	345.95	345.88	345.76	345.72	345.86	345.95	345.87	345.96	346.07	345.89	346.10
2	346.03	---	345.87	345.77	345.72	345.84	345.95	345.90	345.95	346.03	345.88	345.94
3	345.99	346.01	345.85	345.76	345.72	345.82	345.95	345.86	345.92	346.08	345.88	345.94
4	346.14	345.92	345.84	345.82	345.72	345.81	345.98	345.86	345.93	346.14	345.88	345.89
5	346.19	345.90	345.85	345.81	345.72	345.80	345.95	345.86	345.92	346.04	345.86	345.81
6	346.09	345.90	346.12	345.78	345.72	345.79	345.94	345.86	346.07	346.01	345.88	345.77
7	346.04	345.89	346.00	345.77	345.72	345.79	345.94	345.86	345.98	346.01	345.87	345.75
8	346.01	345.89	345.93	345.76	345.72	345.79	346.00	345.85	345.94	345.98	345.84	345.73
9	346.00	345.88	345.91	345.78	---	345.80	346.14	345.84	345.92	345.98	345.88	345.71
10	346.31	345.89	346.02	345.88	345.77	345.79	346.01	345.98	345.89	346.00	345.83	345.68
11	346.17	345.88	345.96	345.84	345.85	345.89	345.99	345.93	345.90	345.96	345.80	345.65
12	346.13	345.88	345.91	345.79	345.85	345.92	345.97	345.88	345.93	345.95	345.78	345.60
13	346.11	345.89	345.95	345.78	345.80	345.83	345.96	345.93	345.97	345.96	345.78	346.09
14	---	345.89	346.29	345.74	345.94	345.80	345.95	345.92	345.98	345.98	---	346.00
15	346.02	345.87	346.14	345.73	345.91	345.79	345.97	345.89	345.99	346.22	345.79	346.34
16	346.02	345.85	346.06	345.74	345.93	345.80	346.04	345.87	345.99	346.05	345.83	346.07
17	346.04	345.83	345.99	345.71	345.91	345.90	346.21	345.86	345.98	346.00	345.78	345.98
18	346.04	345.81	345.95	345.70	345.88	345.82	346.16	345.87	346.05	345.97	345.77	345.93
19	346.00	345.81	345.92	345.70	346.06	345.81	346.05	346.04	346.12	346.01	345.76	346.03
20	346.10	345.84	346.00	345.72	345.94	345.80	346.04	346.10	346.02	345.99	345.72	346.04
21	346.05	345.86	345.98	345.71	345.89	346.33	346.08	346.03	346.04	345.94	345.68	345.95
22	346.04	345.86	345.92	345.71	345.89	346.44	346.05	346.15	346.17	345.92	345.65	345.91
23	346.03	345.88	345.89	345.74	345.89	346.12	346.02	346.11	346.02	345.90	345.66	345.91
24	345.97	345.88	345.86	345.74	345.88	346.00	345.94	346.20	345.98	345.93	345.80	345.90
25	345.95	345.91	345.83	345.85	345.86	345.99	345.93	346.04	346.00	345.94	345.75	346.00
26	345.95	346.10	345.83	345.83	345.85	345.98	345.92	346.02	346.19	346.12	345.69	346.42
27	345.94	346.27	345.81	345.72	345.87	346.01	345.92	346.02	346.06	346.05	345.74	346.15
28	345.93	346.02	345.80	345.71	346.01	346.11	345.92	346.03	346.07	345.98	345.94	---
29	345.94	345.96	345.78	345.71	345.88	346.00	345.91	346.02	346.15	345.94	345.81	345.99
30	345.94	345.91	345.77	345.71	---	345.98	345.89	345.98	346.16	345.92	345.79	345.95
31	345.96	---	345.77	345.72	---	345.96	---	345.98	---	345.90	345.83	---
MEAN	346.04	345.91	345.93	345.76	345.84	345.92	345.99	345.96	346.01	346.00	345.80	345.94
MAX	346.31	346.27	346.29	345.88	346.06	346.44	346.21	346.20	346.19	346.22	345.94	346.42
MIN	345.93	345.81	345.77	345.70	345.72	345.79	345.89	345.84	345.89	345.90	345.65	345.60

WTR YR 2000: HIGHEST 346.44, MARCH 22; LOWEST 345.60, SEPTEMBER 12.



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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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (µS/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY WAT DIS TOT IT LAB MG/L AS CAC03 (39087)
OCT 1999								
14...	1035	80020	1028	3.2	7.1	1170	15.7	252
NOV								
02...	1020	80020	1028	1.7	6.8	1080	13.9	--
DEC								
07...	1030	80020	1028	3.0	7.1	979	11.0	--
JAN 2000								
05...	1040	80020	1028	3.2	7.1	1250	8.8	256
FEB								
09...	1100	80020	1028	5.2	7.2	941	5.6	--
MAR								
24...	1005	80020	1028	2.8	7.0	860	8.5	--
APR								
19...	0945	80020	1028	3.1	7.1	827	9.6	248
AUG								
14...	1000	1028	1028	3.3	7.0	851	19.2	--
SEP								
28...	1050	1028	1028	6.5	7.3	888	16.8	--

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	STREP- TOCOCCI FECAL, KF AGAR PER 100 ML) (31673)
OCT 1999							
14...	.51	<.020	39.8	.109	.017	1.88	540
NOV							
02...	--	<.020	31.4	--	--	1.98	64
DEC							
07...	--	<.020	23.6	--	--	1.96	>62000
JAN 2000							
05...	.34	<.020	19.8	.020	.011	1.16	950
FEB							
09...	--	.039	17.2	--	--	2.24	370
MAR							
24...	--	<.020	16.3	--	--	1.96	220
APR							
19...	.36	<.020	15.0	<.010	.019	1.92	14000
AUG							
14...	--	--	--	--	--	2.18	K320
SEP							
28...	--	--	--	--	--	1.91	500