

LANCASTER COUNTY

395957076155202. Local number, LN 2042.

LOCATION.--Lat 39°59'57", long 76°15'52", Hydrologic Unit 02050306, 40 ft upstream from bridge at intersection of Gypsy Hill Road and Long Rifle Road, and 1.5 mi north of Willow Street.
 Owner: U.S. Geological Survey.
 AQUIFER.--Quaternary age alluvium.

WATER-LEVEL RECORDS

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. PVC, depth 12 ft, cased to 12 ft, closed end, screened from 9 to 10 ft.

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

DATUM.--Land-surface datum is 294.75 ft above sea level. Measuring point: Top of casing, 1.85 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.--November 1993 to current year (discontinued).

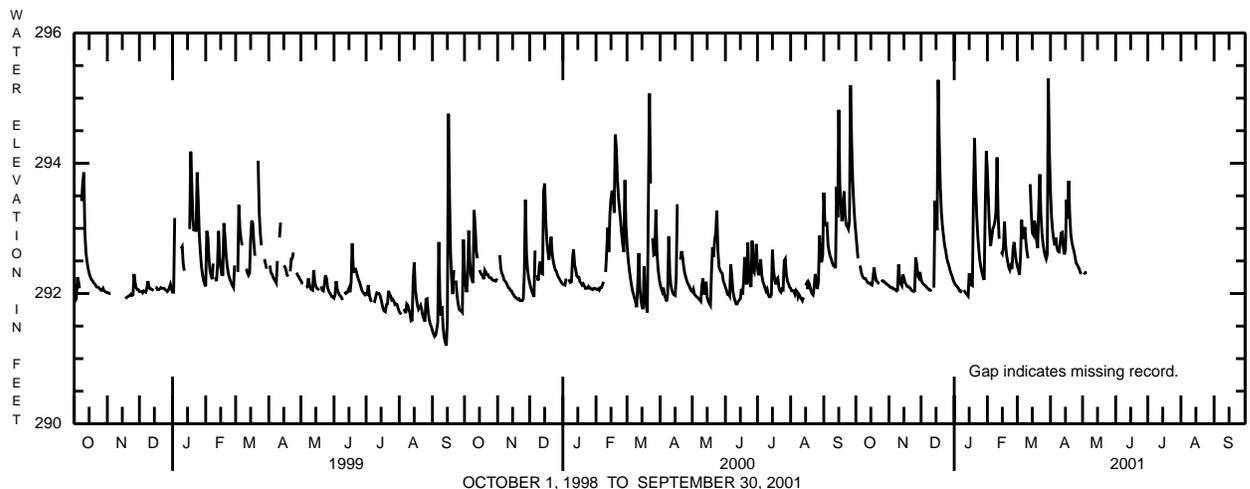
EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily mean depth in feet above sea level. Since that date, the extremes are based on the instantaneous depth in feet above sea level.

Highest water level, 298.25 ft, Sept. 16, 1999; lowest water level, 291.11 ft, Sept. 14, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 296.77 ft above sea level, Dec. 17; lowest, 291.96 ft above sea level, Jan. 14, 15.

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	292.92	292.12	292.22	292.17	293.87	292.42	293.56	---	---	---	---	---
2	292.73	292.10	292.17	292.14	293.42	292.36	293.18	292.32	---	---	---	---
3	292.54	292.09	292.15	292.12	292.99	292.29	292.97	292.31	---	---	---	---
4	---	292.09	292.13	292.10	292.73	292.57	292.83	292.32	---	---	---	---
5	292.43	292.07	292.12	292.08	292.85	293.13	292.74	292.32	---	---	---	---
6	292.33	292.07	292.10	292.04	292.99	292.84	292.86	---	---	---	---	---
7	292.27	292.06	292.08	292.03	293.03	292.88	292.71	---	---	---	---	---
8	292.24	292.04	292.07	292.06	293.10	293.02	292.65	---	---	---	---	---
9	292.23	292.05	292.05	---	293.25	292.80	292.64	---	---	---	---	---
10	292.23	292.45	292.05	292.05	294.09	292.64	292.76	---	---	---	---	---
11	292.20	292.22	292.06	292.03	293.22	292.54	292.93	---	---	---	---	---
12	292.17	292.15	---	292.00	292.84	---	292.94	---	---	---	---	---
13	292.16	292.12	292.09	291.98	---	293.68	292.72	---	---	---	---	---
14	292.16	292.29	293.42	291.96	292.64	293.26	292.60	---	---	---	---	---
15	292.14	292.24	293.17	292.31	292.61	292.93	292.67	---	---	---	---	---
16	292.13	292.17	292.97	292.24	292.71	292.90	293.44	---	---	---	---	---
17	292.23	292.14	295.28	292.13	293.10	293.12	293.15	---	---	---	---	---
18	292.40	292.11	294.31	292.12	292.75	293.03	293.73	---	---	---	---	---
19	292.29	292.10	293.63	293.49	292.58	292.81	293.21	---	---	---	---	---
20	292.20	292.10	293.24	294.39	292.49	292.70	292.92	---	---	---	---	---
21	292.18	292.08	293.03	293.67	292.40	293.32	292.79	---	---	---	---	---
22	292.16	292.05	292.88	293.21	292.36	293.83	292.71	---	---	---	---	---
23	292.15	292.04	292.74	292.89	292.42	293.23	292.65	---	---	---	---	---
24	---	292.03	292.66	292.67	292.38	292.94	292.56	---	---	---	---	---
25	292.21	292.04	292.55	292.50	292.68	292.77	292.47	---	---	---	---	---
26	292.19	292.55	292.48	292.40	292.79	292.66	292.44	---	---	---	---	---
27	292.19	292.44	292.43	292.32	292.62	292.58	292.41	---	---	---	---	---
28	292.17	292.27	292.36	292.25	292.50	292.53	292.37	---	---	---	---	---
29	292.16	292.24	292.31	292.21	---	292.60	292.32	---	---	---	---	---
30	292.14	292.33	292.27	293.32	---	295.30	292.30	---	---	---	---	---
31	292.13	---	292.21	294.19	---	294.17	---	---	---	---	---	---
MEAN	292.26	292.16	292.64	292.50	292.87	292.99	292.81	292.32	---	---	---	---
MAX	292.92	292.55	295.28	294.39	294.09	295.30	293.73	292.32	---	---	---	---
MIN	292.13	292.03	292.05	291.96	292.36	292.29	292.30	292.31	---	---	---	---



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...	0810	1028	1028	2.58	--	7.2	708
NOV							
14...	0750	1028	1028	2.63	.9	6.9	676
DEC							
12...	0825	80020	1028	2.68	4.3	7.2	631
JAN 2001							
09...	0820	1028	1028	--	--	--	682
FEB							
13...	0805	1028	1028	2.09	1.6	6.7	765
MAR							
12...	0750	80020	1028	2.29	--	--	719
MAY							
01...	0745	1028	1028	2.45	1.5	7.1	776
29...	0820	1028	1028	2.42	5.1	6.8	694
JUN							
19...	0830	80020	1028	2.64	2.0	6.7	701

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...	--	--	--	--	--	--	2k
NOV							
14...	--	--	--	--	--	--	9k
DEC							
12...	.310	.50	.075	.006	E.003	--	5k
JAN 2001							
09...	--	--	--	--	--	--	0k
FEB							
13...	--	--	--	--	--	--	0k
MAR							
12...	.454	.66	<.047	<.006	E.005	--	0k
MAY							
01...	--	--	--	--	--	--	0k
29...	--	--	--	--	--	--	0k
JUN							
19...	.349	.52	E.038	E.003	<.006	<.020	0k