

LANCASTER COUNTY

395957076155203. Local number, LN 2043.

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.--Limestone of the Cambro-Ordovician age Conestoga Formation.

WATER-LEVEL RECORDS

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in. steel, depth 100 ft, cased to 17 ft, open hole.

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

DATUM.--Land-surface datum is 295.59 ft above sea level. Measuring point: Top of casing, 2.95 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.

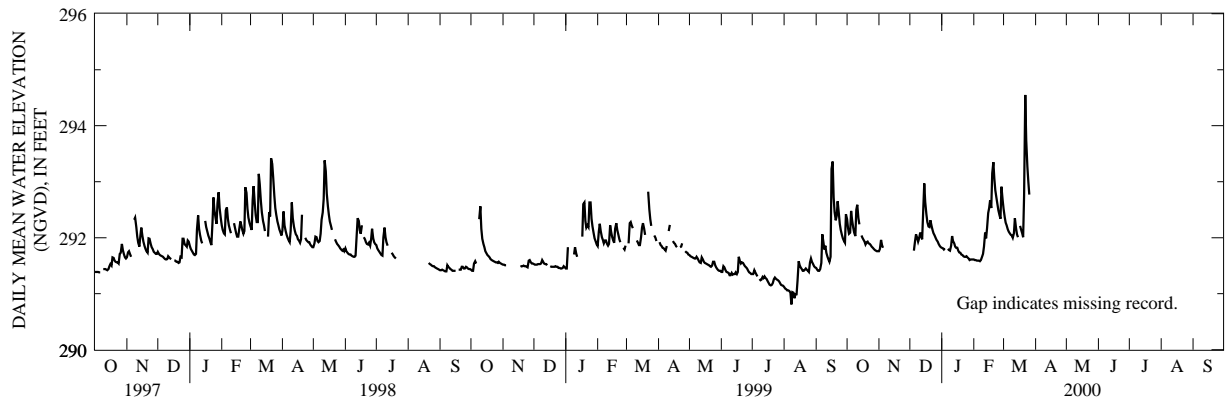
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily mean water level elevation for the period of record indicated above.

Highest water level, 294.55 ft, Mar. 22, 2000; lowest water level, 290.81 ft, Aug. 8, 1999.

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	292.33	291.76	---	291.82	291.61	292.52	---	---	---	---	---	---
2	292.17	291.80	---	291.81	291.60	292.37	---	---	---	---	---	---
3	292.07	291.96	---	291.79	291.60	292.27	---	---	---	---	---	---
4	292.09	291.87	---	291.81	291.59	292.22	---	---	---	---	---	---
5	292.48	291.82	291.77	---	291.59	292.15	---	---	---	---	---	---
6	292.32	---	291.94	---	291.59	292.11	---	---	---	---	---	---
7	292.18	---	292.06	291.80	291.58	292.08	---	---	---	---	---	---
8	292.09	---	292.00	291.78	291.60	292.05	---	---	---	---	---	---
9	292.03	---	291.93	291.77	291.66	292.04	---	---	---	---	---	---
10	292.50	---	291.99	291.86	291.71	292.00	---	---	---	---	---	---
11	292.59	---	292.09	292.03	291.84	292.08	---	---	---	---	---	---
12	292.35	---	292.03	291.94	292.09	292.35	---	---	---	---	---	---
13	292.24	---	291.97	291.90	291.99	292.17	---	---	---	---	---	---
14	---	---	292.52	291.84	292.17	292.06	---	---	---	---	---	---
15	292.04	---	292.97	291.82	292.44	292.01	---	---	---	---	---	---
16	292.00	---	292.64	291.82	292.53	---	---	---	---	---	---	---
17	291.96	---	292.42	291.77	292.67	292.21	---	---	---	---	---	---
18	291.93	---	292.28	291.74	292.53	292.15	---	---	---	---	---	---
19	291.88	---	292.20	291.73	293.15	292.08	---	---	---	---	---	---
20	291.92	---	292.19	291.70	293.35	292.01	---	---	---	---	---	---
21	291.93	---	292.31	291.69	293.06	292.75	---	---	---	---	---	---
22	291.90	---	292.21	291.67	292.85	294.55	---	---	---	---	---	---
23	291.89	---	292.14	291.66	292.71	293.74	---	---	---	---	---	---
24	291.87	---	292.08	291.66	292.60	293.27	---	---	---	---	---	---
25	291.84	---	292.04	291.67	292.49	293.00	---	---	---	---	---	---
26	291.82	---	292.00	291.65	292.40	292.77	---	---	---	---	---	---
27	291.80	---	291.96	291.63	292.34	---	---	---	---	---	---	---
28	291.78	---	291.93	291.60	292.91	---	---	---	---	---	---	---
29	291.77	---	291.89	291.61	292.68	---	---	---	---	---	---	---
30	291.76	---	291.85	291.61	---	---	---	---	---	---	---	---
31	291.76	---	291.83	291.61	---	---	---	---	---	---	---	---
MEAN	292.04	291.84	292.12	291.75	292.24	292.44	---	---	---	---	---	---
MAX	292.59	291.96	292.97	292.03	293.35	294.55	---	---	---	---	---	---
MIN	291.76	291.76	291.77	291.60	291.58	292.00	---	---	---	---	---	---

WTR YR 2000: HIGHEST 294.55, MARCH 22; LOWEST 291.58, FEBRUARY 7.



3-YEAR HYDROGRAPH
OCTOBER 1, 1997 TO SEPTEMBER 30, 2000

LANCASTER COUNTY

395957076155203. Local number, LN 2043--Continued

WATER-QUALITY RECORDS

REMARKS.--Samples collected with submersible 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 CACO3 (39087)
OCT 1999 14...	0925	80020	1028	.1	7.1	871	13.4	288
JAN 2000 05...	0940	80020	1028	.7	7.2	1070	13.4	305
APR 19...	0855	80020	1028	.2	7.4	833	13.0	268

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 (COLS. PER 100 ML) (31673)
OCT 1999 14...	.19	<.020	5.18	<.010	<.006	3.41	K120
JAN 2000 05...	.17	<.020	3.05	<.010	<.006	3.66	38
APR 19...	.19	<.020	4.73	<.010	<.006	3.08	K0