

LANCASTER COUNTY

395957076155204. Local number, LN 2044.

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 8 ft, cased to 8 ft, closed end, screened from 5 to 6 ft.

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

DATUM.--Land-surface datum is 296.84 ft above sea level. Measuring point: Top of casing, 1.95 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.

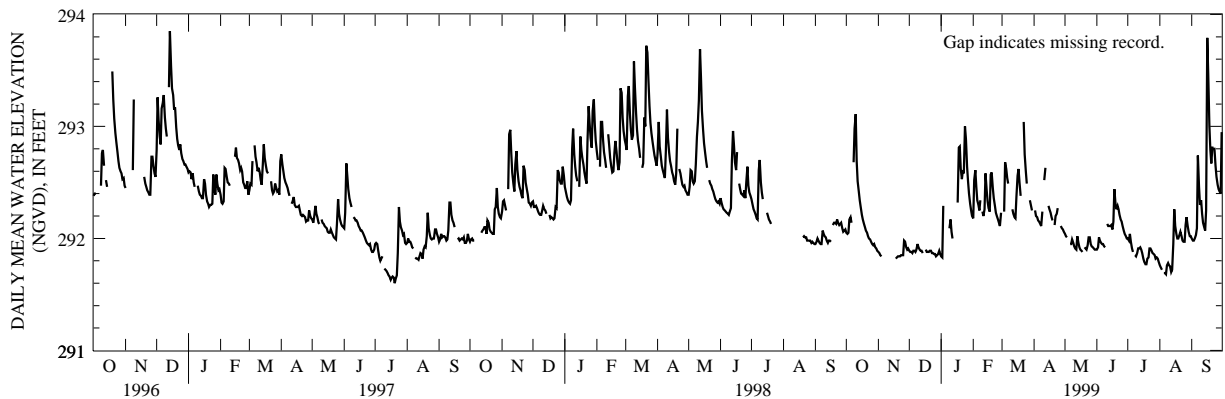
EXTREMES FOR PERIOD OF RECORD.--The extremes shown are extremes of the daily mean water level elevation for the period of record indicated above.

Highest water level, 293.85 ft, Dec. 14, 1996; lowest water level, 291.60 ft, July 20, 1997.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292.05	291.88	291.89	291.84	292.18	---	---	292.04	291.90	292.00	291.76	292.00
2	292.04	291.87	291.88	291.83	292.52	---	292.25	292.02	291.92	291.98	291.74	291.98
3	292.05	291.85	291.88	292.29	292.61	292.24	292.20	292.01	292.01	292.04	291.72	291.98
4	292.17	291.84	291.87	---	292.46	292.68	292.19	---	291.98	291.97	---	292.00
5	292.19	---	291.89	---	292.34	292.62	292.16	---	291.96	291.91	291.69	292.03
6	292.14	---	291.89	292.07	292.30	292.54	292.15	291.95	291.95	291.88	291.69	292.09
7	---	---	291.88	---	292.25	292.49	292.13	291.95	291.95	---	291.68	292.74
8	292.68	---	291.90	---	292.34	---	292.11	291.99	291.93	291.85	291.76	292.46
9	292.98	---	291.95	292.09	---	---	292.24	291.96	291.92	291.84	291.78	292.30
10	293.11	---	291.92	292.17	292.24	---	---	291.93	---	291.87	291.76	292.34
11	292.69	---	291.90	292.06	292.20	292.26	292.52	291.91	292.13	291.91	291.75	292.22
12	292.51	---	291.89	292.00	292.26	292.22	292.63	291.90	292.11	291.91	291.70	292.14
13	292.42	---	291.89	---	292.58	292.19	---	292.02	292.11	291.92	291.72	292.10
14	292.34	---	291.87	---	292.43	292.18	---	291.96	292.11	291.90	291.95	292.07
15	292.28	---	---	---	292.33	292.37	292.29	291.92	292.12	291.87	292.26	292.25
16	292.21	---	---	---	292.27	292.56	292.26	291.90	292.08	291.82	292.11	293.79
17	292.17	---	291.90	292.32	292.24	292.62	292.23	291.89	292.15	291.79	292.04	293.47
18	292.13	291.82	291.88	292.81	292.57	292.50	292.19	291.88	292.44	291.77	292.00	293.00
19	292.10	291.83	291.88	292.82	292.59	292.38	292.16	---	292.31	291.77	292.00	292.79
20	292.07	291.84	291.88	292.62	292.45	---	---	291.92	292.26	291.82	292.03	292.67
21	292.05	291.84	291.89	292.53	292.36	---	292.12	291.91	292.29	291.83	292.06	292.82
22	292.02	291.84	291.89	292.61	292.29	293.04	292.20	291.90	292.26	291.91	292.02	---
23	292.00	291.85	291.87	292.58	292.23	292.75	292.22	291.94	292.21	291.91	291.98	292.81
24	291.99	291.85	291.87	293.00	292.20	292.60	292.27	292.01	292.17	291.89	291.97	292.65
25	291.97	291.85	291.86	292.89	292.17	292.49	---	292.01	292.15	291.87	291.97	292.55
26	291.95	291.98	291.86	292.64	292.14	---	---	291.95	292.11	291.86	292.12	292.48
27	291.94	291.97	291.84	292.51	292.11	---	292.11	291.93	292.07	291.85	292.19	292.44
28	291.95	291.92	291.85	292.40	292.23	292.34	292.09	291.92	292.04	291.82	292.11	292.42
29	291.92	291.90	291.86	292.31	---	292.29	292.08	291.91	292.02	291.83	292.06	292.40
30	291.91	291.91	291.89	292.25	---	292.25	292.06	291.90	292.00	291.82	292.02	292.95
31	291.89	---	291.86	292.20	---	---	---	291.90	---	291.79	292.02	---
MEAN	292.20	291.87	291.88	292.38	292.33	292.46	292.21	291.94	292.09	291.87	291.92	292.48
MAX	293.11	291.98	291.95	293.00	292.61	293.04	292.63	292.04	292.44	292.04	292.26	293.79
MIN	291.89	291.82	291.84	291.83	292.11	292.18	292.06	291.88	291.90	291.77	291.68	291.98

WTR YR 1999: HIGHEST 293.79, SEPTEMBER 16; LOWEST 291.68, AUGUST 7.



3-YEAR HYDROGRAPH
OCTOBER 1, 1996 TO SEPTEMBER 30, 1999

LANCASTER COUNTY

395957076155204. Local number, LN 2044--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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TEMPER-ATURE WATER (DEG C) (00010)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 07...	0820	1028	80020	4.71	656	7.1	2.3	17.9	K5
NOV 05...	0925	1028	80020	4.77	617	7.2	1.6	15.4	K0
DEC 15...	0945	1028	80020	4.73	637	7.2	5.0	12.0	K2
JAN 13...	0930	1028	80020	4.61	613	7.3	--	9.5	K0
FEB 09...	0900	1028	80020	4.25	710	7.0	3.2	8.1	K0
MAR 09...	0935	1028	80020	4.22	785	7.0	4.9	7.1	K0
APR 20...	0930	1028	80020	4.44	763	7.2	--	8.8	K0
MAY 04...	1730	1028	80020	4.59	--	--	--	--	--
19...	0800	1028	80020	4.70	701	6.9	2.7	11.2	K0
JUN 10...	0835	1028	80020	4.88	667	7.1	--	13.2	K0
JUL 07...	0825	1028	80020	4.91	674	6.8	--	15.5	150
AUG 04...	0815	1028	80020	5.06	704	6.7	.6	17.1	K0
SEP 22...	0845	1028	80020	3.64	747	6.3	5.1	18.1	K0

DATE	ALKA-LINITY WAT DIS TOT IT LAB (MG/L AS CACO3) (39087)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT 07...	262	<.010	<.050	.414	.53	<.010	<.010	--	--
NOV 05...	268	--	<.050	--	--	--	--	--	--
DEC 15...	252	--	<.050	--	--	--	--	--	--
JAN 13...	244	<.010	.129	.318	.40	.004	--	100	17
FEB 09...	--	--	--	.113	--	--	--	--	--
MAR 09...	--	--	--	.056	--	--	--	--	--
APR 20...	264	.027	6.24	.041	.48	.006	--	--	--
MAY 04...	--	<.010	2.15	.146	.25	<.050	.017	--	--
19...	--	--	--	.054	--	--	--	--	--
JUN 10...	--	--	--	.226	--	--	--	--	--
JUL 07...	257	<.010	.065	.242	.49	.005	--	--	--
AUG 04...	--	--	<.050	.401	--	--	--	--	--
SEP 22...	--	--	.186	.740	--	--	--	--	--

