

UNION COUNTY

405928077115501. Local number, UN 51.

LOCATION.--Lat 40°59'28", long 77°11'55", Hydrologic Unit 02050206, at Raymond B. Winter Park, and 5.5 mi east of Livonia.

Owner: U.S. Geological Survey.

AQUIFER.--Reedsville Formation, Late Ordovician age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 115 ft, cased to 91 ft, open hole.

INSTRUMENTATION.--Data collection platform with 60-minute recording interval. Satellite telemetry at station.

DATUM.--Elevation of land surface is 1,550 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of recorder shelf, 3.54 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since October 1994, are also available from the District Office.

PERIOD OF RECORD.--October 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Prior to October 2000, the extremes shown were based on extremes of the daily maximum depth below land-surface datum. Since that date, the extremes are based on the instantaneous depth below land-surface datum.

Highest water level, 25.26 ft below land-surface datum, Apr. 10, 1978; lowest, 42.31 ft below land-surface datum, Jan. 18, 1999.

EXTREMES FOR CURRENT YEAR.--Highest water level, 28.39 ft below land-surface datum, Mar. 29; lowest, 41.32 ft below land-surface datum, Oct. 10, 11.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.19	40.56	38.17	36.48	37.87	39.35	29.83	36.37	36.68	34.77	38.89	38.66
2	41.20	40.52	38.11	36.41	37.97	39.36	30.40	36.60	36.61	34.99	38.93	38.70
3	41.23	40.49	38.12	36.35	38.02	39.40	30.90	36.79	36.53	35.23	38.91	38.71
4	41.23	40.45	38.09	36.29	38.13	39.41	31.42	36.95	36.38	35.50	38.89	38.76
5	41.27	40.42	38.02	36.26	38.24	39.43	31.96	37.08	36.27	35.75	38.83	38.81
6	41.27	40.33	38.00	36.13	38.28	39.47	32.43	37.22	36.14	36.00	38.77	38.85
7	41.30	40.31	37.99	35.96	38.36	39.48	32.75	37.34	35.97	36.24	38.72	38.90
8	41.31	40.26	38.05	35.64	38.43	39.49	33.05	37.47	35.69	36.46	38.68	38.95
9	41.31	40.22	38.06	35.42	38.50	39.51	33.31	37.56	35.40	36.68	38.65	39.00
10	41.32	40.18	38.04	35.33	38.57	39.52	33.49	37.65	35.16	36.84	38.61	39.02
11	41.32	40.15	38.04	35.31	38.60	39.52	33.54	37.72	34.88	37.00	38.55	39.06
12	41.23	40.13	38.05	35.36	38.68	39.54	33.55	37.81	34.67	37.19	38.48	39.10
13	41.14	40.06	38.03	35.41	38.76	39.55	33.54	37.90	34.50	37.36	38.42	39.13
14	41.11	40.00	37.96	35.49	38.81	39.56	33.31	37.99	34.44	37.49	38.36	39.16
15	41.10	39.92	37.96	35.64	38.91	39.51	32.81	38.05	34.54	37.60	38.28	39.19
16	41.09	39.87	37.98	35.71	38.94	39.49	32.38	38.10	34.68	37.76	38.21	39.21
17	41.02	39.78	37.99	35.92	38.95	39.44	32.34	38.10	34.79	37.87	38.16	39.23
18	40.97	39.68	37.97	36.03	39.03	39.37	32.51	38.12	34.91	37.98	38.15	39.24
19	40.93	39.61	37.89	36.15	39.07	39.30	32.76	38.13	35.09	38.10	38.16	39.20
20	40.91	39.49	37.77	36.37	39.11	39.18	33.03	38.11	35.22	38.19	38.16	39.16
21	40.90	39.38	37.66	36.53	39.13	38.90	33.36	38.09	35.31	38.26	38.16	39.09
22	40.89	39.23	37.55	36.69	39.13	38.40	33.77	38.05	35.33	38.36	38.20	39.02
23	40.89	39.11	37.42	36.84	39.23	37.24	34.18	37.98	35.33	38.43	38.25	38.90
24	40.88	38.98	37.28	37.01	39.23	34.83	34.51	37.85	35.28	38.54	38.28	38.63
25	40.85	38.86	37.07	37.11	39.26	32.43	34.82	37.71	35.09	38.62	38.33	38.18
26	40.80	38.72	36.97	37.27	39.27	30.68	35.14	37.55	34.80	38.66	38.37	37.50
27	40.76	38.57	36.88	37.39	39.29	29.60	35.46	37.42	34.51	38.72	38.44	36.50
28	40.72	38.48	36.73	37.48	39.34	28.86	35.69	37.25	34.38	38.74	38.50	35.55
29	40.68	38.33	36.63	37.63	---	28.54	35.97	37.09	34.44	38.79	38.55	34.92
30	40.63	38.20	36.60	37.73	---	28.79	36.18	36.96	34.60	38.84	38.62	34.57
31	40.59	---	36.51	37.79	---	29.33	---	36.84	---	38.87	38.65	---
MEAN	41.03	39.68	37.66	36.36	38.75	36.98	33.28	37.54	35.25	37.41	38.49	38.43
MAX	41.32	40.56	38.17	37.79	39.34	39.56	36.18	38.13	36.68	38.87	38.93	39.24
MIN	40.59	38.20	36.51	35.31	37.87	28.54	29.83	36.37	34.38	34.77	38.15	34.57

