

CENTRE COUNTY

404518077575501. Local number, CE 118.

LOCATION.--Lat 40°45'18", long 77°57'55", Hydrologic Unit 02050302, at State Game Land No. 176, and near Fairbrook.

Owner: U.S. Geological Survey.

AQUIFER.--Gatesburg Formation, Late Cambrian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 130 ft, cased to 40 ft, open hole.

INSTRUMENTATION.--Electronic data logger with 60-minute recording interval.

DATUM.--Elevation of land surface is 1,150 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.89 ft above land-surface datum.

REMARKS.--In addition to the daily maximum water level table shown below, daily minimum and mean water levels, since June 1999, are also available from the District Office.

PERIOD OF RECORD.--January 1968 to June 1981, July 1984 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, 45.95 ft below land-surface datum, Aug. 27-31, Sept. 1-4, 1998; lowest, 80.14 ft below land-surface datum, Mar. 26, 1970.

EXTREMES FOR CURRENT YEAR.--Highest water level, 73.29 ft below land-surface datum, Sept. 30; lowest, 79.21 ft below land-surface datum, Feb. 23.

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	78.86	78.97	79.03	79.11	79.12	79.16	78.67	78.04	77.58	76.68	75.81	74.69
2	78.86	78.97	79.05	79.12	79.12	79.15	78.65	78.04	77.58	76.65	75.76	74.64
3	78.86	78.96	79.05	79.11	79.12	79.14	78.62	78.02	77.57	76.61	75.73	74.62
4	78.86	78.97	79.05	79.10	79.12	79.14	78.60	78.02	77.52	76.59	75.67	74.54
5	78.87	78.97	79.05	79.09	79.13	79.13	78.60	78.02	77.50	76.55	75.61	74.50
6	78.88	78.97	79.06	79.09	79.15	79.15	78.60	78.00	77.48	76.52	75.57	74.46
7	78.88	78.98	79.06	79.08	79.14	79.14	78.59	78.00	77.42	76.50	75.54	74.42
8	78.89	78.97	79.07	79.06	79.15	79.14	78.58	77.95	77.39	76.46	75.50	74.36
9	78.89	78.98	79.08	79.06	79.15	79.12	78.56	77.95	77.36	76.43	75.45	74.32
10	78.90	78.97	79.08	79.08	79.15	79.12	78.53	77.93	77.32	76.41	75.42	74.30
11	78.90	78.98	79.08	79.08	79.15	79.12	78.51	77.91	77.29	76.38	75.39	74.25
12	78.90	78.99	79.09	79.08	79.17	79.11	78.47	77.90	77.24	76.35	75.36	74.22
13	78.90	78.99	79.08	79.08	79.16	79.10	78.44	77.90	77.22	76.32	75.33	74.16
14	78.90	78.99	79.08	79.08	79.17	79.10	78.42	77.90	77.19	76.32	75.29	74.12
15	78.90	78.99	79.08	79.08	79.18	79.09	78.40	77.88	77.16	76.29	75.26	74.08
16	78.90	79.00	79.09	79.08	79.18	79.07	78.33	77.88	77.13	76.24	75.21	74.04
17	78.90	79.00	79.09	79.08	79.18	79.05	78.30	77.86	77.11	76.23	75.15	74.02
18	78.93	79.00	79.09	79.08	79.18	79.02	78.30	77.84	77.08	76.21	75.14	73.98
19	78.92	79.00	79.09	79.08	79.18	79.01	78.28	77.83	77.04	76.16	75.13	73.91
20	78.92	79.00	79.08	79.08	79.19	78.99	78.26	77.81	77.00	76.14	75.09	73.91
21	78.93	78.99	79.09	79.08	79.19	78.94	78.22	77.79	76.98	76.11	75.05	73.89
22	78.93	79.00	79.09	79.08	79.19	78.90	78.20	77.79	76.94	76.08	75.02	73.84
23	78.93	79.00	79.09	79.08	79.21	78.85	78.20	77.76	76.92	76.04	74.97	73.76
24	78.94	79.00	79.09	79.09	79.20	78.81	78.19	77.73	76.89	76.01	74.96	73.74
25	78.95	79.01	79.09	79.09	79.19	78.78	78.16	77.71	76.86	76.00	74.93	73.68
26	78.93	79.01	79.09	79.09	79.19	78.75	78.14	77.70	76.83	75.97	74.89	73.63
27	78.94	79.01	79.10	79.10	79.18	78.75	78.13	77.68	76.79	75.94	74.85	73.57
28	78.95	79.01	79.10	79.10	79.16	78.72	78.12	77.65	76.78	75.89	74.82	73.53
29	78.96	79.01	79.10	79.10	---	78.70	78.07	77.64	76.74	75.89	74.81	73.45
30	78.96	79.01	79.11	79.13	---	78.69	78.06	77.61	76.71	75.86	74.75	73.37
31	78.96	---	79.11	79.12	---	78.67	---	77.61	---	75.83	74.73	---
MEAN	78.91	78.99	79.08	79.09	79.16	78.99	78.37	77.85	77.15	76.25	75.23	74.07
MAX	78.96	79.01	79.11	79.13	79.21	79.16	78.67	78.04	77.58	76.68	75.81	74.69
MIN	78.86	78.96	79.03	79.06	79.12	78.67	78.06	77.61	76.71	75.83	74.73	73.37

