

Water-Data Report 2011

**421653088370903 Local number MARN-10-04**

Sand and gravel aquifers (glaciated regions)  
Quaternary System

McHenry County, IL

LOCATION.--Lat 42°16'52", long 88°37'09" referenced to North American Datum of 1983, in SE ¼ NE ¼ NW ¼ sec.23, T.44 N., R.5 E., McHenry County, IL, Hydrologic Unit 07090006, 26 feet west of ground-water well MARN-09-02 (421653088370901), 49 feet southwest of River Road, 270 feet west of intersection of River Road and Elizabeth Street, 0.5 miles west of Route 23, 0.3 miles east of Tributary to Kishwaukee River, 1.0 mile north of Kishwaukee River, and 2.3 miles northwest of Marengo. Owner: Illinois State Geological Survey.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 82 ft. Upper casing diameter 2 in; top of first opening 77 ft, bottom of last opening 82 ft. Well-casing includes 2-inch schedule 40 PVC pipe, 5.5 in. diameter borehole sealed with benseal grout, observation well.

DATUM.--Land-surface datum is 827 ft above North American Vertical Datum of 1988. Measuring point: File mark on top of PVC well casing, 3.00 ft above land-surface datum, May 2, 2011 to present.

PERIOD OF RECORD.--

GROUND-WATER LEVELS: May 2011 to current year. Prior to May 2011, observation well readings available from the Illinois State Geological Survey.

GAGE.--Water level recorder and satellite telemeter.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.04 ft below land-surface datum, May 31, 2011; lowest, 19.74 ft below land-surface datum, September 25, 2011.

EXTREMES FOR CURRENT YEAR.--Highest recorded water level, 17.04 ft below land-surface datum, May 31; lowest recorded, 19.74 ft below land-surface datum, September 25.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	17.10	18.13	18.42	19.12
2	---	---	---	---	---	---	---	---	17.11	18.22	18.38	19.16
3	---	---	---	---	---	---	---	---	17.14	18.25	18.40	19.30
4	---	---	---	---	---	---	---	---	17.23	18.29	18.44	19.35
5	---	---	---	---	---	---	---	---	17.42	18.35	18.46	19.29
6	---	---	---	---	---	---	---	---	17.37	18.44	18.49	19.34
7	---	---	---	---	---	---	---	---	17.33	18.45	18.50	19.32
8	---	---	---	---	---	---	---	---	17.41	18.53	18.50	19.32
9	---	---	---	---	---	---	---	---	17.40	18.59	18.53	19.33
10	---	---	---	---	---	---	---	---	17.40	18.76	18.56	19.38
11	---	---	---	---	---	---	---	17.73	17.40	18.71	18.63	19.44
12	---	---	---	---	---	---	---	17.73	17.44	18.70	18.63	19.44
13	---	---	---	---	---	---	---	17.72	17.48	18.74	18.63	19.47
14	---	---	---	---	---	---	---	17.81	17.50	18.79	18.66	19.52
15	---	---	---	---	---	---	---	17.84	17.48	18.82	18.69	19.55
16	---	---	---	---	---	---	---	17.87	17.51	18.87	18.75	19.56
17	---	---	---	---	---	---	---	17.91	17.59	19.01	18.87	19.59
18	---	---	---	---	---	---	---	17.94	17.62	19.00	18.84	19.59
19	---	---	---	---	---	---	---	18.04	17.66	19.04	18.82	19.58
20	---	---	---	---	---	---	---	18.01	17.67	19.12	18.83	19.62
21	---	---	---	---	---	---	---	18.18	17.68	19.26	18.88	---
22	---	---	---	---	---	---	---	18.20	17.68	19.26	18.93	19.69
23	---	---	---	---	---	---	---	17.99	17.72	19.07	18.93	19.70
24	---	---	---	---	---	---	---	17.88	17.82	18.80	18.84	19.72
25	---	---	---	---	---	---	---	17.85	17.91	18.75	18.90	19.74
26	---	---	---	---	---	---	---	17.59	17.91	18.77	18.92	19.73
27	---	---	---	---	---	---	---	17.47	17.90	18.79	18.99	19.43
28	---	---	---	---	---	---	---	17.41	17.98	18.69	19.04	19.33
29	---	---	---	---	---	---	---	17.41	18.01	18.49	19.07	19.28
30	---	---	---	---	---	---	---	17.21	18.07	18.36	19.08	19.34
31	---	---	---	---	---	---	---	17.07	---	18.48	19.11	---
<b>Max</b>	---	---	---	---	---	---	---	---	18.07	19.26	19.11	---

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