



Water-Data Report 2008

04099880 SIMONTON LAKE NEAR ELKHART, IN

Lake Michigan Basin

LOCATION.--Lat 41°45'05", long 85°57'28" referenced to North American Datum of 1927, in NE ¼ NE ¼ NW ¼ sec.16, T.38 N., R.5 E., Elkhart County, IN, Hydrologic Unit 04050001, the gage is on the southern shore between the two large lobes of the lake, at the public access site, 4.5 mi north of the main Post Office in Elkhart.

DRAINAGE AREA.--7.44 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1946 to current year.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well.

DATUM OF GAGE.--Land-surface datum is 770 ft above National Geodetic Vertical Datum of 1929.

SURFACE AREA.--303 acres.

ESTABLISHED LEGAL LEVEL.--2.19 ft gage datum or 772.19 ft above National Geodetic Vertical Datum of 1929 as decreed on September 25, 1950, by the Elkhart County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by the outlet channel.

INLET AND OUTLET.--Two small drainage ditches enter the lake on the eastern shore. The outlet, Osolo Township Ditch, flows from the lake at the southeastern tip and into the St. Joseph River, 4.0 mi downstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 3.42 ft Feb. 24, 1985; minimum stage, 1.36 ft Sept. 7, 1946.

**GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5	2.83	2.89	3.00	3.04	3.29	3.20	3.12	---	2.99	2.93	2.65	2.36
10	2.81	2.89	2.99	3.20	3.28	3.14	3.18	---	2.99	2.90	2.57	2.43
15	2.79	2.91	3.04	3.09	3.17	3.12	3.11	---	2.95	2.82	2.49	3.20
20	2.95	2.91	3.02	3.07	3.19	3.09	3.08	---	2.87	2.84	2.41	2.99
25	2.92	2.97	3.01	3.09	3.17	3.09	---	---	2.93	2.77	2.39	2.95
Eom	2.92	2.95	3.04	3.18	3.19	3.20	---	---	2.91	2.70	2.34	2.96
Mean	2.87	2.93	3.02	3.11	3.22	3.14	---	---	---	2.84	2.49	2.75
Max	2.99	3.00	3.07	3.30	3.35	3.21	---	---	---	2.96	2.68	3.24
Min	2.79	2.89	2.97	3.03	3.15	3.08	---	---	---	2.70	2.34	2.29

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