



Water-Data Report 2011

04100180 SYLVAN LAKE AT ROME CITY, IN

Lake Michigan Basin

LOCATION.--Lat 41°29'53", long 85°22'38" referenced to North American Datum of 1927, in SE ¼ SE ¼ SW ¼ sec.9, T.35 N., R.10 E., Noble County, IN, Hydrologic Unit 04050001, the gage is on the lake outlet channel at the extreme western end of the lake, and at the northern edge of Rome City on west side of State Road 9.

DRAINAGE AREA.--33.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1943 to current year.

REVISED RECORDS.--WDR-IN-10-1: 1990-95.

GAGE.--A water-stage recorder is installed in an aluminum shelter over a 15-inch diameter stilling well. An auxiliary staff gage is attached to the wall of the dam at same site.

DATUM OF GAGE.--Land-surface datum is 907 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, the datum of the gage was 910.00 ft. All levels listed below are at the present datum.

SURFACE AREA.--669 acres.

ESTABLISHED LEGAL LEVEL.--9.20 ft present gage datum or 916.20 ft above National Geodetic Vertical Datum of 1929 as decreed on June 14, 1951, by the Noble County Circuit Court.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with movable gates.

INLET AND OUTLET.--Barr Lake, 0.2 mi upstream, empties into Sylvan Lake on the southeast shore of the northwest lobe. Oviatt Ditch and Henderson Lake Ditch both enter the lake on the extreme eastern end. The outlet flows from the lake at the western tip, into Jones Lake 2.8 mi downstream and eventually into the North Branch of the Elkhart River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 11.14 ft Aug. 22 and 23, 1996, March 13-14, 2009; minimum stage, below -30 ft Oct. 3-9, and 16-18, 1994.

**GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5	9.23	9.07	9.27	9.26	9.23	10.15	9.38	10.02	9.81	9.21	9.13	9.05
10	9.24	9.09	9.25	9.21	9.20	10.17	9.66	9.71	9.57	9.15	9.15	9.09
15	9.17	9.09	9.31	9.20	9.21	9.86	9.63	9.98	9.45	9.11	9.12	9.07
20	9.09	9.10	9.23	9.20	9.60	9.65	9.85	9.88	9.41	9.09	9.09	9.19
25	9.09	9.48	9.19	9.19	9.59	9.49	10.37	9.81	9.39	9.16	9.13	9.19
Eom	9.08	9.38	9.19	9.18	9.78	9.37	10.70	10.38	9.27	9.15	9.07	9.30
Mean	9.16	9.17	9.25	9.21	9.37	9.80	9.82	10.01	9.54	9.16	9.12	9.13
Max	9.24	9.48	9.36	9.29	9.78	10.26	10.73	10.56	10.24	9.26	9.16	9.31
Min	9.08	9.07	9.17	9.18	9.19	9.37	9.36	9.57	9.27	9.07	9.07	9.04

Water Year 2011	
Mean	9.40
Max	10.73
Min	9.04

04100180 SYLVAN LAKE AT ROME CITY, IN—Continued

