



Water-Data Report 2011

04177700 HAMILTON LAKE AT HAMILTON, IN

Lake Erie Basin

LOCATION.--Lat 41°32'10", long 84°54'45" referenced to North American Datum of 1927, in SW ¼ SW ¼ NW ¼ sec.34, T.36 N., R.14 E., Steuben County, IN, Hydrologic Unit 04100003, the gage is on the eastern shore of the southern lobe at the outlet, 0.2 mi north of intersection of State Hwys 1 & 427, on lake access road, in the town of Hamilton.

DRAINAGE AREA.--16.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1943-2002, June 2003 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 890.12 ft above National Geodetic Vertical Datum of 1929, as corrected on the basis of levels of Indiana Department of Natural Resources, 1978.

SURFACE AREA.--802 acres.

ESTABLISHED LEGAL LEVEL.--8.83 ft gage datum or 898.83 ft above National Geodetic Vertical Datum of 1929 as decreed on July 3, 1947, by the Steuben County Circuit Court. Minor errors were subsequently discovered in the establishment of the datum of the gage (see "DATUM OF GAGE") and the correct elevation of the legal level should be 8.83 ft gage datum or 898.95 ft above National Geodetic Vertical Datum of 1929.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by two dams. The northernmost dam is concrete and steel sheet piling with a fixed crest. The southern dam has a fixed concrete sill.

INLET AND OUTLET.--Black Creek enters the lake on the northeast shore. Two small ditches enter from the east and the north. There are two outlets, both on the southern lobe, that flow into Fish Creek thence into the St. Joseph River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 10.14 ft Dec. 30, 1965; minimum stage, 7.27 ft Jan. 4-9, 1953.

**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	8.28	8.25	---	---	---	9.06	8.56	8.70	8.66	8.46	8.52	8.48
10	8.28	8.24	---	---	---	8.90	8.71	8.64	8.60	8.41	8.56	8.55
15	8.28	8.27	---	---	---	8.70	8.63	9.07	8.52	8.41	8.53	8.53
20	8.26	8.32	---	---	8.74	8.64	8.84	8.80	8.57	8.40	8.50	8.62
25	8.26	8.62	---	---	8.67	8.59	9.02	8.90	8.56	8.55	8.58	8.60
Eom	8.25	8.58	---	---	8.81	8.56	8.99	---	8.50	8.57	8.51	8.79
Mean	8.28	8.36	---	---	---	8.73	8.77	---	---	8.47	8.53	8.57
Max	8.32	8.62	---	---	---	9.06	9.21	---	---	8.60	8.60	8.79
Min	8.25	8.24	---	---	---	8.55	8.53	---	---	8.39	8.47	8.46

04177700 HAMILTON LAKE AT HAMILTON, IN—Continued

