



Water-Data Report 2011

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN

Wabash River Basin

LOCATION.--Lat 41°16'53", long 85°46'47" referenced to North American Datum of 1927, in NW ¼ SE ¼ SW ¼ sec.25, T.33 N., R.6 E., Kosciusko County, IN, Hydrologic Unit 05120106, the gage is on the southeastern shore of the lake, at the public access site, 4.9 mi northeast of Warsaw.

DRAINAGE AREA.--4.17 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1945-1971, 1976-2002, August 2003 to current year.

REVISED RECORDS.--WDR IN-03-1: 1990 - 2002.

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 820 ft above National Geodetic Vertical Datum of 1929.

SURFACE AREA.--581 acres.

ESTABLISHED LEGAL LEVEL.--7.75 ft gage datum or 827.75 ft above National Geodetic Vertical Datum of 1929 as established on October 18, 1949, by the Kosciusko County Circuit Court. Little Chapman Lake has the same control structure and established level and hence the same lake levels for the period of record.

LAKE-LEVEL CONTROL.--The level of the lake is controlled by a concrete dam with a fixed crest at the outlet channel downstream from Little Chapman Lake.

INLET AND OUTLET.--Several small ditches enter the lake at various points. The outlet flows into Little Chapman Lake to the south, then into Deeds Creek, and eventually into the Tippecanoe River.

EXTREMES FOR PERIOD OF RECORD.--Maximum stage, 9.37 ft Oct. 11, 1954; minimum stage, 6.75 ft Oct. 20, 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	7.75	7.64	8.00	8.04	7.97	8.44	7.96	8.12	8.05	7.83	7.74	7.55
10	7.73	7.63	7.98	8.00	7.96	8.37	8.05	8.04	8.02	7.76	7.74	7.53
15	7.71	7.65	8.04	8.00	7.93	8.23	7.99	8.16	7.94	7.73	7.73	7.51
20	7.68	7.65	8.00	8.00	8.10	8.08	8.15	8.05	7.94	7.71	7.70	7.58
25	7.65	8.01	8.02	7.93	8.17	8.07	8.23	8.20	7.90	7.79	7.65	7.66
Eom	7.65	8.01	8.05	7.93	8.30	7.96	8.38	8.30	7.84	7.78	7.57	7.82
Mean	7.71	7.73	8.01	7.99	8.03	8.19	8.11	8.15	7.97	7.78	7.71	7.59
Max	7.78	8.01	8.07	8.10	8.30	8.44	8.52	8.39	8.23	7.88	7.79	7.84
Min	7.65	7.63	7.97	7.93	7.93	7.96	7.94	8.02	7.84	7.70	7.57	7.48

Water Year 2011	
Mean	7.91
Max	8.52
Min	7.48

03331010 BIG CHAPMAN LAKE NEAR WARSAW, IN—Continued

