

## CLARION RIVER BASIN

## 03027000 EAST BRANCH CLARION RIVER LAKE

**LOCATION.**--Lat 41°33'35", long 78°35'40", Elk County, Hydrologic Unit 05010005, at control tower at East Branch Clarion River Dam on East Branch Clarion River, 1.7 mi northeast of Glen Hazel, and 7.5 mi upstream from confluence with West Branch Clarion River.

**DRAINAGE AREA.**--72.4 mi<sup>2</sup> (figure from U.S. Army Corps of Engineers).

**PERIOD OF RECORD.**--June 1952 to current year. Prior to October 1970 published as "East Branch Clarion River Reservoir".

**GAGE.**--Water-stage recorder. Datum of gage is sea level (U.S. Army Corps of Engineers bench mark).

**REMARKS.**--Lake is formed by an earthfill dam rock-faced. Dam completed in 1952. Controlled storage began in June 1952. Capacity, 83,300 acre-ft between elevations 1,555 ft (sill of outlet gates) and 1,685 ft (full pool). Minimum pool elevation, 1,555 ft (capacity, 1,000 acre-ft). Winter low-water pool elevation, 1,651 ft (capacity, 45,600 acre-ft). Summer low-water pool elevation, 1,670 ft (capacity, 65,300 acre-ft). Storage to summer pool normally occurs during period Mar. 1 to Apr. 30. Depletion of low-water storage for augmenting flow in Clarion River occurs normally during period June to October. Figures given herein represent total contents. Lake is used for flood control, for low-flow augmentation of Clarion River and downstream rivers, and for recreation.

**COOPERATION.**--Records furnished by U.S. Army Corps of Engineers.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum contents, 85,010 acre-ft, June 24, 1972, elevation, 1,685.55 ft; minimum, 850 acre-ft, Nov. 9, 1957, elevation, 1,553.00 ft. (Period of record available June 1952 through Dec. 1999.)

**EXTREMES FOR CURRENT YEAR.**--Records not furnished to determine extremes for current year.

MONTH-END ELEVATION, IN FEET ABOVE SEA LEVEL, AND CONTENTS AT 2400 HRS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in ft <sup>3</sup> /s)
Sept. 30 .....	1,640.95	36,890	---
Oct. 31 .....	1,634.87	32,200	-76
Nov. 30 .....	1,634.62	32,010	-3.2
Dec. 31 .....	1,645.71	40,850	+143
CAL YR 2001 .....	--	--	-5.9
Jan. 31 .....	1,650.04	44,680	+62
Feb. 28 .....	1,655.99	50,310	+101
Mar. 31 .....	1,664.25	58,850	+139
Apr. 30 .....	1,671.70	67,300	+142
May 31 .....	1,670.66	66,080	-20
June 30 .....	1,670.00	65,310	-13
July 31 .....	1,663.94	58,520	-110
Aug. 31 .....	1,655.71	50,040	-138
Sept. 30 .....	1,644.50	39,820	-172
WTR YR 2002 .....	--	--	+4.1