

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 mi² (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, 160 acre-ft, Nov. 9, 1952, elevation, 1,541.07 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 67,240 acre-ft, May 10, elevation, 1,671.65 ft; minimum 34,920 acre-ft, Dec. 21, elevation, 1,638.46 ft.

MONTHEND ELEVATION, IN FEET ABOVE SEA LEVEL, AND CONTENTS AT 2400 HRS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in ft ³ /s)
Sept. 30	1,647.44	42,350	---
Oct. 31	1,643.37	38,870	-57
Nov. 30	1,640.41	36,450	-41
Dec. 31	1,643.73	39,170	+44
CAL YR 1998	--	--	-8.9
Jan. 31	1,651.69	46,200	+114
Feb. 28	1,653.39	47,800	+29
Mar. 31	1,661.59	56,010	+134
Apr. 30	1,670.71	66,140	+170
May 31	1,670.53	65,930	-3.4
June 30	1,666.36	61,170	-80
July 31	1,661.72	56,150	-82
Aug. 31	1,651.97	46,460	-158
Sept. 30	1,640.43	36,470	-168
WTR YR 1999	--	--	-8.1