

Water-Data Report 2012

02417500 LAKE MARTIN NEAR TALLASSEE, AL

Coosa-Tallapoosa Basin
Middle Tallapoosa Subbasin

LOCATION.--Lat 32°40'50", long 85°54'45" referenced to North American Datum of 1927, Elmore County, AL, Hydrologic Unit 03150109, at forebay of Martin Dam on Tallapoosa River, 5 mi. upstream of Sougahatchee Creek, 10 mi. north of Tallassee, and at mile 60.6.

DRAINAGE AREA.--2,984 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1927 to current year.

REVISED RECORDS.--WDR AL-84-1: Drainage area. WDR AL-2006-1: Location.

GAGE.--Remote indicating gage referenced to wire weight gage. Datum of gage is NGVD of 1929 (levels by Alabama Power Co.), adjustment unknown.

REMARKS.--Lake is formed by a combination arch and gravity concrete dam with a riprap earth embankment on left or east end. Spillway is equipped with 20 modified stoney-type gates, 30 ft wide and 16 ft high. Storage began in the summer of 1926, and the powerhouse was completed in the summer of 1927. Total capacity at elevation 490.00 ft (top of gates) is 1,622,00 acre-ft, of which 1,375,000 acre-ft is controlled storage above elevation 430.00 ft (minimum pool). Lake is used for power development. Gage-height record and capacity table furnished by Alabama Power Company.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents since Oct. 1, 1940, 1,648,900 acre-ft, Apr. 14, 1979, elevation 490.69 ft; minimum daily contents, 555,000 acre-ft, June 29, 1941, elevation 452.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 1,614,200 acre-ft, May 17, elevation, 489.64 ft; minimum daily contents, 1,350,500 acre-ft, Dec. 24, elevation, 482.50 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (cubic feet per second)
Sep 30	486.46	1,493,200	--	--
Oct 31	485.45	1,455,600	-37,600	-612
Nov 30	482.87	1,363,400	-92,200	-1,550
Dec 31	482.98	1,367,300	+3,900	+63
CAL YR 2011	--	--	+109,700	+152
Jan 31	482.93	1,365,500	-1,800	-29
Feb 29	483.14	1,372,900	+7,400	+129
Mar 31	487.83	1,544,600	+171,700	+2,790
Apr 30	488.73	1,579,000	+34,400	+578
May 31	489.32	1,601,800	+22,800	+371
Jun 30	488.18	1,557,900	-43,900	-738
Jul 31	487.69	1,539,300	-18,600	-303
Aug 31	487.34	1,526,100	-13,200	-215
Sep 30	486.70	1,502,100	-24,000	-403
WTR YR 2012	--	--	+8,900	+12