



Water-Data Report 2007

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 Co.

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, 1,470,700 acre-ft, May 12, elevation, 486.01 ft; minimum daily contents, 1,207,100 acre-ft, Sept. 30, elevation, 478.39 ft.

MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30	484.34	1,410,000	--	--
Oct. 31	483.58	1,383,000	-27,000	-439
Nov. 30	481.78	1,320,200	-62,800	-1,060
Dec. 31	479.30	1,236,800	-83,400	-1,360
CAL YR 2006			-14,900	-21
Jan. 31	479.47	1,242,400	+5,600	+91
Feb. 28	480.47	1,275,700	+33,300	+600
Mar. 31	484.19	1,404,700	+129,000	+2,100
Apr. 30	485.82	1,463,700	+59,000	+992
May 31	484.98	1,433,100	-30,600	-498
June 30	482.03	1,328,800	-104,300	-1,750
July 31	480.50	1,276,700	-52,100	-848
Aug. 31	479.64	1,248,100	-28,600	-466
Sept. 30	478.39	1,207,100	-41,000	-670
WTR YR 2007			-202,900	-281