



Water-Data Report 2006

**02417500 LAKE MARTIN NEAR TALLASSEE, AL**

Coosa-Tallapoosa Basin  
Middle Tallapoosa Subbasin

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

DRAINAGE AREA.--2,984 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

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

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

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, 1,601,300 acre-ft, May 10, elevation, 489.46 ft; minimum daily contents, 1,232,900 acre-ft, Feb. 1, elevation, 479.18 ft.

**MONTHEND ELEVATION AND CONTENTS AT MIDNIGHT, WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	486.55	1,490,700	--	--
Oct. 31.....	484.96	1,432,400	-58,300	-949
Nov. 30.....	481.95	1,326,000	-106,400	-1,790
Dec. 31.....	479.75	1,251,700	-74,300	-1,210
<b>CAL YR 2005</b>			+4,300	+6
Jan. 31.....	479.22	1,234,200	-17,500	-285
Feb. 28.....	482.63	1,349,600	+115,400	+2,080
Mar. 31.....	487.55	1,528,100	+178,500	+2,910
Apr. 30.....	489.26	1,593,500	+65,400	+1,100
May 31.....	489.23	1,592,300	-1,200	-20
June 30.....	488.74	1,573,400	-18,900	-318
July 31.....	487.77	1,536,400	-37,000	-602
Aug. 31.....	486.63	1,493,600	-42,800	-697
Sept. 30.....	484.34	1,410,000	-83,600	-1,410
<b>WTR YR 2006.....</b>			-80,700	-112