

02401620 H. NEELY HENRY RESERVOIR NEAR GADSDEN, AL

Coosa-Tallapoosa Basin
Middle Coosa Subbasin

LOCATION.--Lat 33°47'02", long 86°03'10" referenced to North American Datum of 1927, Calhoun County, AL, Hydrologic Unit 03150106, at forebay of Henry Dam on Coosa River, 16 mi south of Gadsden, and at mile 146.8.

DRAINAGE AREA.--6,596 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1966 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Alabama Power Company).

REMARKS.--Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with six taintor gates 40 ft wide by 29 ft high. Storage began Feb. 23, 1966. Total capacity at elevation 508 ft is 120,850 acre-ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by Alabama Power Company.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 126,800 acre-ft, Oct. 19, 1966, elevation, 508.52 ft; minimum daily contents, 43,600 acre-ft, Feb. 13, 1997, elevation, 498.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 120,300 acre-ft, Oct. 4, elevation, 507.95 ft; minimum daily contents, 94,000 acre-ft, Jan. 26, elevation, 505.38 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	507.94	120,200	--	--
Oct 31	507.21	112,200	-8,000	-130
Nov 30	506.55	105,400	-6,800	-114
Dec 31	506.84	108,300	+2,900	+47
CAL YR 2011	--	--	+5,900	+8
Jan 31	506.60	105,900	-2,400	-39
Feb 29	506.62	106,100	+200	+3
Mar 31	506.60	105,900	-200	-3
Apr 30	506.88	108,700	+2,800	+47
May 31	507.10	111,100	+2,400	+39
Jun 30	507.37	113,900	+2,800	+47
Jul 31	507.42	114,500	+600	+10
Aug 31	507.33	113,500	-1,000	-16
Sep 30	507.36	113,800	+300	+5
WTR YR 2012	--	--	-6,400	-9