

Somerville Dam and Somerville Lake

OWNER

The U.S. Government. Operated by the U.S. Army Corps of Engineers, Fort Worth District.

ENGINEER (Design)

U.S. Army Corps of Engineers.

LOCATION

On Yegua Creek in Burleson and Washington Counties, 2 miles south of Somerville.

DRAINAGE AREA

1,006 square miles.

DAM

Type Earthfill
 Length 20,210 ft plus 4,715 ft of dike at right of spillway
 Maximum height 80 ft
 Top width (spillway section) 20 ft
 Top width (embankment section) 34 ft

SPILLWAY

Type Ogee
 Length 1,250 ft
 Crest elevation 258.0 ft above msl
 Control None

OUTLET WORKS

Type 1 conduit, 10 ft diameter
 Invert elevation 206.0 ft above msl
 Control 2 gates, each 5 by 10 ft

AUTHORIZATION

Federal: Flood Control Act, September 3, 1954.
 State: Permit No. 2110 (Application No. 2295) July 24, 1964, to the Brazos River Authority authorizes impoundment of 160,110 acre-feet of water with annual diversion of 50,000 acre-feet for municipal purposes, 50,000 acre-feet for industrial use, and 50,000 acre-feet for irrigation. Diversion with priority of rights is limited to 48,000 acre-feet annually.

RESERVOIR DATA (Based on U.S. Geological Survey topographic maps dated 1959)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	280.0	—	—
Maximum design water surface	274.5	1,028,800	39,800
Spillway crest	258.0	507,500	24,400
Top of conservation storage space	238.0	160,100	11,460
Maximum tailwater	243.8	—	—
Streambed	200.0	0	0
Sediment reserve below	238.0	16,200	—
Sediment reserve above	238.0	9,700	—
Usable conservation storage space	—	143,900	—

GENERAL

Construction started June 4, 1962
 Deliberate impoundment began January 3, 1967
 Dam completed October 27, 1967
 General contractor Clement Brothers Company, Inc.,
 Hickory, North Carolina
 Estimated project cost \$21,700,000

