

Lake Athens Dam and Lake Athens

OWNER

Athens Municipal Water Authority.

ENGINEER (Design)

Wisembaker, Fix, and Associates.

LOCATION

On Flat Creek in Henderson County, 8 miles east of Athens.

DRAINAGE AREA

21.6 square miles.

DAM

Type Earthfill  
 Length 3,000 ft  
 Maximum height 67 ft  
 Top width 20 ft  
 Top elevation 453± ft above msl

SPILLWAY (emergency)

Location Left of the dam  
 Type Uncontrolled broad-crested weir  
 Crest length 300 ft  
 Crest elevation 446.0 ft above msl

SPILLWAY (service)

Type Rectangular drop inlet  
 Control None  
 Crest elevation 440.0 ft above msl  
 Outlet Box culvert, 6 by 6 ft

OUTLET WORKS

Type Concrete pipe, 18-inch diameter  
 Invert elevation 396.5 ft above msl  
 Control Slide Valve

STATE AUTHORIZATION

Permit No. 1915 (Application No. 2079), September 26, 1958, authorizes the construction of a dam to create a reservoir with a capacity of 32,840 acre-feet and annual diversion of 8,500 acre-feet of water for municipal use.

RESERVOIR DATA (Based on 1962 data by design engineer)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	453 ±	—	—
Emergency spillway crest	446.0	42,600	1,780
Service spillway crest	440.0	32,790	1,520
Low flow outlet invert	396.5	100	50
Usable capacity above	396.5	32,690	—

GENERAL

Construction started September 25, 1961  
 Deliberate impoundment began November 1, 1962  
 Project completed May 1963  
 General contractor Elm Fork Construction Company  
 Estimated cost of dam \$361,000

