

South Prong Dam and Lake Waxahachie

OWNER

Ellis County Water Control and Improvement District No. 1.

ENGINEER

Forrest and Cotton, Inc.

LOCATION

On South Prong Creek in Ellis County, 4 miles southeast of Waxahachie.

DRAINAGE AREA

30 square miles.

DAM

Type	Earthfill
Length	4,100 ft (includes spillway)
Height	66 ft
Top width	18 ft
Top elevation	541.5 ft above msl

SPILLWAY

Location	At the right abutment
Type	Concrete weir
Crest length	300 ft
Crest elevation	531.5 ft above msl

OUTLET WORKS

Type	Concrete intake structure with 3 gated openings, each 2.5 by 2.5 ft
Outlet pipe size	24 inches
Control to treating plant	Valve
Control to downstream releases	Valve

STATE AUTHORIZATION

Permit No. 1742 (Application No. 1874) March 14, 1955, authorizes storage of 13,500 acre-feet of water and annual use of 2,810 acre-feet for municipal purposes and 760 acre-feet for industrial use.

RESERVOIR DATA (Based on curve dated August 1945 by Forrest and Cotton, Inc.)

Capacity	13,500 acre-feet at elevation 531.5 ft above msl
Area	690 acres at elevation 531.5 ft above msl
Dead storage	1,500 acre-feet

GENERAL

Construction started	March 26, 1956
Dam completed	November 1956
Impoundment of water began	November 1956
General contractor	J. W. Moorman and Son

