

Murvaul Dam and Murvaul Lake

OWNER

Panola County Fresh Water Supply District No. 1.

ENGINEER (Design)

C. P. Smith and Associates
Forrest and Cotton.

LOCATION

On Murvaul Bayou in Panola County, 10 miles southwest of Carthage.

DRAINAGE AREA

115 square miles.

DAM

Type Earthfill
Length 8,300 ft
Maximum height 46 ft
Top width 10 ft
Top elevation 280 ft above msl

SPILLWAY

Location Right end of dam
Type Concrete broad-crested weir
Crest length 270 ft
Crest elevation 265.3 ft above msl

OUTLET WORKS

Type Tower with 3 gated openings
Invert of lowest sluice gate 235.0 ft above msl
Outlet Cast iron pipe, 36-inch diameter
Control Valved tee at downstream end to channel and to water supply pipe line

STATE AUTHORIZATION

Permit No. 1837 (Application No. 1985), September 10, 1956, authorizes storage of 44,650 acre-feet of water and annual use of 6,700 acre-feet for municipal and 15,700 acre-feet for industrial purposes.

RESERVOIR DATA (Based on 1955 survey)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	280.0	-	-
Top of design flood pool	275.0	91,520	5,600
Crest of spillway	265.3	45,840	3,820
Invert of lowest sluice gate	235.0	25	-
Usable capacity	-	45,815	-

GENERAL

Construction started September 26, 1956
Deliberate impoundment began November 1957
Dam completed June 1, 1958
General contractors Markham and Brown; McMullin and Larson
Estimated cost of the dam \$1,600,000

