

**Rockwall-Forney Dam and Lake Ray Hubbard**

**OWNER**

City of Dallas.

**ENGINEER (Design)**

Forrest and Cotton, Inc.

**LOCATION**

On East Fork Trinity River in Dallas and Kaufman Counties, 15 miles east of Dallas.

**DRAINAGE AREA**

1,074 square miles of which 770 square miles are above Lavon Dam.

**DAM**

Type Earthfill  
 Length 12,500 ft  
 Maximum height 68 ft  
 Top width 22 ft

**SPILLWAY**

Type Concrete ogee  
 Control 14 tainter gates, each 40 by 28 ft  
 Crest length (net) 560 ft  
 Crest elevation 409.5 ft above msl

**OUTLET WORKS (water supply)**

Type Concrete tower structure  
 Control Gated openings at several elevations  
 Elevation low opening 392.0 ft above msl

**OUTLET WORKS (low flow)**

Type 3 sluiceways through piers  
 Control 3 slide gates, each 4 by 6 ft  
 Elevation 388.0 ft above msl

**STATE AUTHORIZATION**

Permit No. 1923 (Application No. 2083) March 6, 1959, authorizes construction of a dam to create a reservoir of 490,000 acre-feet capacity. Permit authorizes storage of 179,000 acre-feet of water from Iron Bridge Reservoir (Lake Tawakoni). Permit authorizes the use of 89,700 acre-feet of water annually.

**RESERVOIR DATA (Based on original survey)**

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE- FEET)	AREA (ACRES)
Top of dam	450.0	-	-
Top of gates	437.5	540,000	24,000
Top of conservation pool	435.5	490,000	22,745
Spillway crest	409.5	82,000	9,015
Invert of low flow outlet	388.0	-	-
Usable conservation storage space	-	490,000	-

**GENERAL**

Construction started (land purchase) September 17, 1963  
 Construction started (actual phase I) June 13, 1964  
 Closure made September 1967  
 Deliberate impoundment began December 1, 1968  
 Dam completed January 17, 1969  
 General contractors S. & A. Construction Company  
 Markham, Brown, and M. C. Winters Construction Company  
 Estimated cost of the dam \$26,100,000

