

Lake Pat Cleburne Dam and Lake Pat Cleburne

**OWNER**

City of Cleburne.

**ENGINEER (Design)**

Hunter Associates.

**LOCATION**

On Nolan River in Johnson County, 4 miles south of Cleburne.

**DRAINAGE AREA**

100 square miles.

**DAM**

Type Earthfill  
 Length (does not include spillways) 4,950 ft  
 Maximum height 78 ft  
 Top width 25 ft

**SPILLWAY (emergency)**

Type Excavated channel  
 Control None  
 Elevation 744.0 ft above msl  
 Crest length 500 ft

**SPILLWAY (service)**

Type Concrete ogee  
 Control None  
 Elevation 733.5 ft above msl  
 Crest length 150 ft

**OUTLET WORKS**

Type Tower and 30-inch diameter steel pipe inside of 36-inch concrete pipe  
 Control 2 sluice gates  
 Invert elevation 690.0 ft above msl

**AUTHORIZATION**

Permit No. 2027 (Application No. 2233) October 1, 1962, authorizes construction of a dam to impound 25,600 acre-feet of water and annual diversion of 6,000 acre-feet for municipal use.

**RESERVOIR DATA (Based on 1958 survey from U.S. Geological Survey topographic maps and prepared by Hunter Associates)**

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	753.0	-	-
Top of design flood pool	752.3	66,700	2,800
Emergency spillway crest	744.0	45,430	2,200
Service spillway crest	733.5	25,560	1,550
Invert of upper sluice gate	722.0	11,760	990
Invert of lower sluice gate	690.0	115	25
Usable conservation storage space	-	25,445	-

**GENERAL**

Construction started August 9, 1963  
 Dam completed August 1964  
 Impoundment of water began August 4, 1964  
 General contractor Moorman and Singleton  
 Estimated cost of the dam \$1,316,600

