

Franklin County Dam and Lake Cypress Springs

OWNER

Franklin County Water District (48.4 percent) and Texas Water Development Board (51.6 percent).

ENGINEER (Design)

Wisnbaker, Fix, and Associates.

LOCATION

On Big Cypress Creek in Franklin County, 8 miles southeast of Mount Vernon.

DRAINAGE AREA

75 square miles.

DAM

Type	Earthfill
Length	5,230 ft
Maximum height	74 ft
Top width	44 ft
Top elevation (varies)	395.0 to 397.0± ft above msl

SPILLWAY (emergency)

Location	To left of the dam
Type	Excavated and graded area
Crest length	1,000 ft
Crest elevation	385.0 ft above msl

SPILLWAY (service)

Location	Right end of main embankment
Type	Rectangular drop inlet, 23 by 23 ft
Control	None
Crest elevation	378.0 ft above msl
Outlet	Box culvert, 10 by 10 ft
Discharge	To stilling basin

OUTLET WORKS

Type	Concrete pipe, 18-inch diameter
Invert elevation	317.75 ft above msl
Control	Duplicate valves with vertical stems
Discharge	To service spillway conduit

STATE AUTHORIZATION

Permit No. 2231 (Application No. 2423), November 10, 1966, authorized construction of a dam to impound 72,800 acre-feet of water. Diversion and use not to exceed 1,000 acre-feet per annum for municipal purposes. The Water Development Board to participate in financing the project and acquire one half interest in the storage facilities.
 Permit No. 2231A (Application No. 2423A), October 8, 1970, authorizes diversion and use of an additional 300 acre-feet of water per annum for municipal purposes. Permittees are authorized to divert and use 14,000 acre-feet of water per annum for industrial purposes; provided that until December 1974, the use may be 18,000 acre-feet of water per annum.

RESERVOIR DATA (Based on data by design engineer)

Capacity	100,400 acre-feet at elevation 385.0 ft above msl
Area	4,500 acres at elevation 385.0 ft above msl
Capacity	72,800 acre-feet at elevation 378.0 ft above msl
Area	3,400 acres at elevation 378.0 ft above msl

GENERAL

Construction started	July 1968
Deliberate impoundment began	July 7, 1970
Project completed	February 15, 1971
General contractor	Vilbig Construction Company
Cost of the dam	\$1,270,000

