

Joe B. Hogsett Dam and Cedar Creek Reservoir

OWNER

Tarrant County Water Control and Improvement District Number One.

ENGINEER (Design)

Freese, Nichols and Endress.

LOCATION

On Cedar Creek in Henderson County, 3 miles northeast of Trinidad.

DRAINAGE AREA

1,007 square miles.

DAM

Type Earthfill
 Length 17,539 ft
 Height 91 ft
 Top width 20 ft

SPILLWAY

Location 6 miles upstream on right bank, discharges into Trinity River
 Crest elevation 302.0 ft above msl
 Length (net) 400.0 ft
 Type Gated concrete chute
 Control 8 tainter gates, each 40 by 23 ft
 2 bascule (automatic) gates, each 40 by 8.5 ft

OUTLET WORKS

One 60-inch steel pipe for low-flow discharge
 One 18-inch valve controlled outlet for water supply
 Two 24-inch valve controlled outlets for water supply

STATE AUTHORIZATION

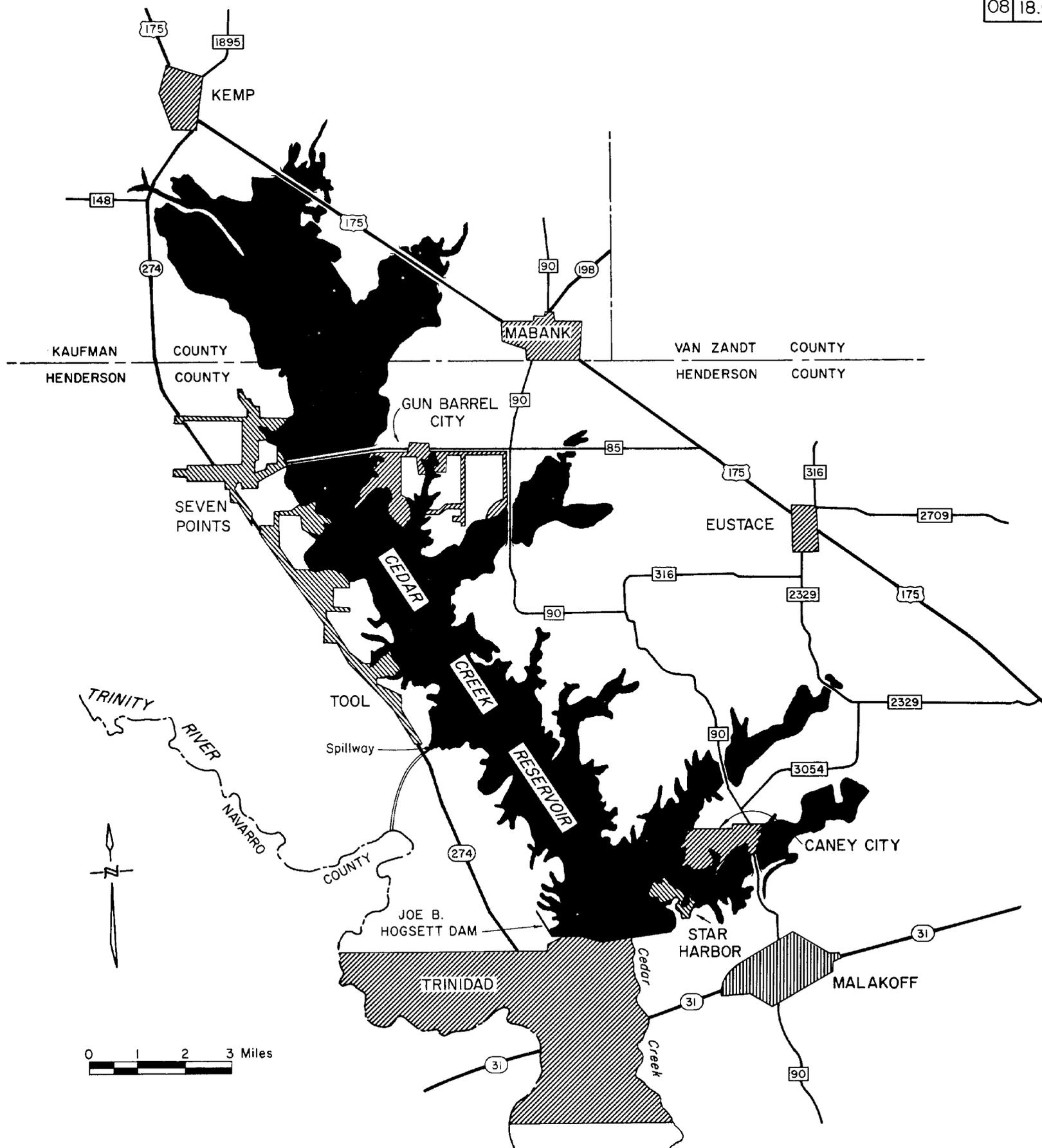
Permit No. 1909 (Application No. 2058) April 25, 1958, allows construction of a dam to create a reservoir with capacity of 678,900 acre-feet and annual diversion of 175,000 acre-feet municipal use.

RESERVOIR DATA (Based on tabulation by consulting engineers dated September 8, 1960)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	340.0	—	—
Top of tainter gates	325.0	—	—
Top of bascule (automatic) gates	322.5	696,400	34,300
Top of conservation pool	322.0	679,200	33,750
Spillway crest automatic gates	314.0	441,000	25,850
Spillway crest tainter gates	302.0	197,800	15,100
Invert of conduit in dam	263.5	430	200
Usable conservation storage space	—	678,770	—

GENERAL

Construction started April 1961
 Impoundment of water began July 2, 1965
 Dam completed February 1966
 Contractor for the dam S. A. Construction Company
 Contractor for the spillway Gibraltar Construction Company
 Estimated cost of the project \$20,500,000



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Information courtesy of the Tarrant County Water Control and Improvement District Number One