

Terrell Dam and New Terrell City Lake

OWNER

City of Terrell.

ENGINEER (Design)

Joe E. Ward for original dam. U.S. Department of Agriculture, Soil Conservation Service for modification to increase height of dam and change spillway in 1969.

LOCATION

On Muddy Cedar Creek in Kaufman County, 6 miles east of Terrell.

DRAINAGE AREA

14 square miles.

DAM

Type	Earthfill
Length	4,800± ft
Height	45 ft
Top width	14 ft minimum
Top elevation	514.2 ft above msl

SPILLWAY (emergency)

Location	Near right end of dam
Type	Earth excavated
Crest length	500 ft
Crest elevation	509.8 ft above msl

SPILLWAY (principal)

Location	Near left end of dam
Type	Concrete chute
Crest length	40 ft
Crest elevation	508.8 ft above msl
Water elevation control	Nine 24-inch pipes with invert at elevation 504.0 ft above msl

OUTLET WORKS

Type	Gated concrete intake structure
Outlet	30-inch steel concrete encased pipe
Control to pumping plant	20-inch valve
Control to downstream discharge	30-inch valve

STATE AUTHORIZATION

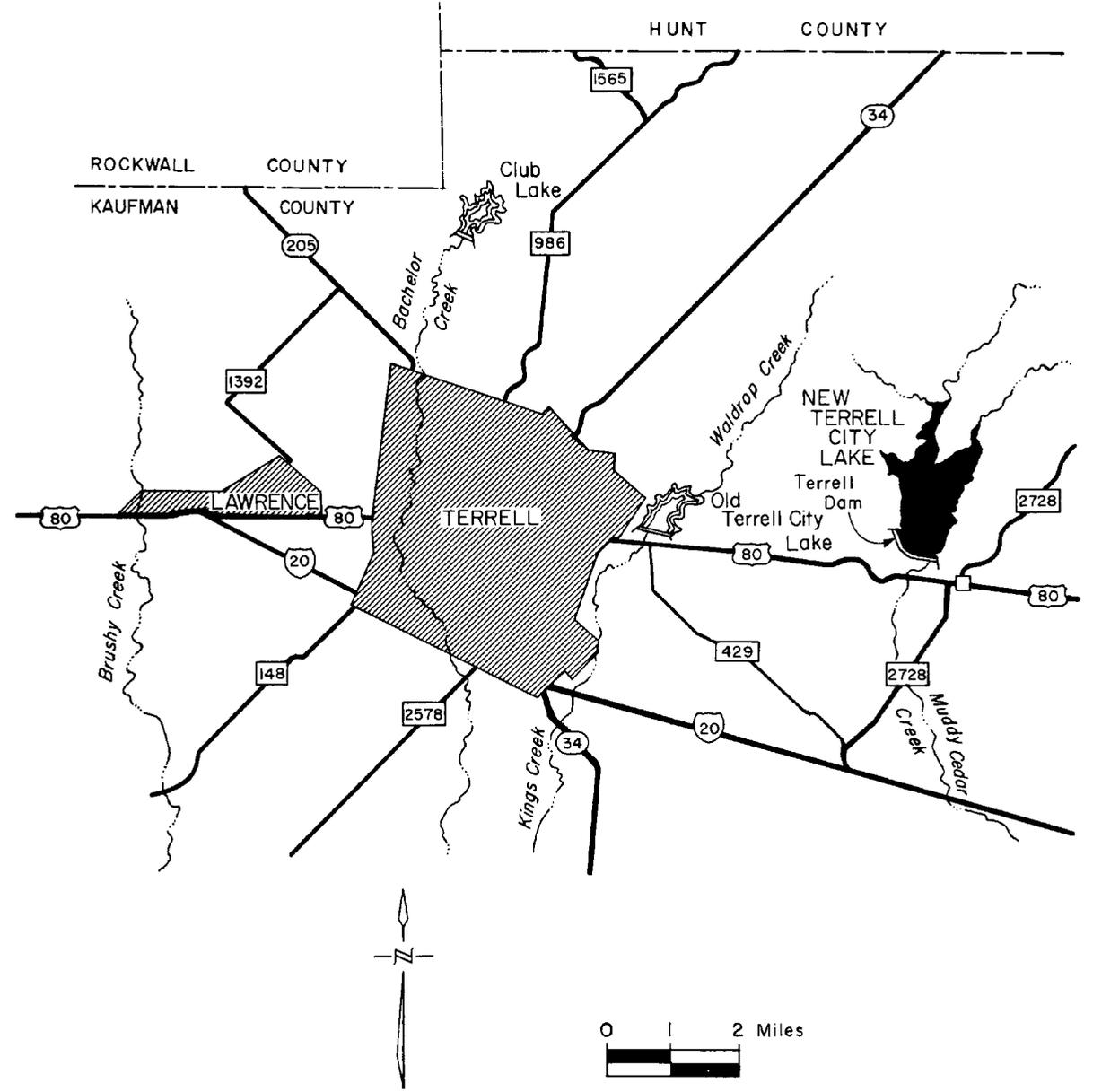
Permit No. 1700 (Application No. 1831) April 20, 1954, authorizes storage of 8,300 acre-feet and annual diversion of 6,000 acre-feet of water for municipal use. Permit No. 1700A (Application No. 1831A) April 30, 1969, authorizes increase in storage from 8,300 to 8,712 acre-feet.

RESERVOIR DATA (Based on 1970 information from the city)

Capacity	8,712 acre-feet at elevation 504.0 ft above msl
Area	830 acres at elevation 504.0 ft above msl
Capacity	14,900 acre-feet at emergency spillway crest elevation 509.8 ft above msl
Area	1,290 acres at emergency spillway crest elevation 509.8 ft above msl

GENERAL

Construction started (original)	February 1955
Dam completed (original)	November 1955
Impoundment of water began (original)	November 1955
Construction started (modification)	January 1969
Dam completed (modification)	July 16, 1969
General contractor (original)	John A. Petty
General contractor (modification)	James Payne
Estimated cost (original)	\$169,900
Estimated cost (modification)	\$ 54,140



Information courtesy of the city of Terrell