

Iron Bridge Dam and Lake Tawakoni

OWNER

Sabine River Authority.

ENGINEER

Forrest and Cotton.

LOCATION

On the Sabine River in Rains and Van Zandt Counties, 9 miles northeast of Wills Point.

DRAINAGE AREA

756 square miles.

DAM

Type Earthfill with concrete spillway
 Length 29,560 ft including spillway
 Maximum height 85 ft
 Top width 23.33 ft
 Top elevation 454.0 ft above msl

SPILLWAY (emergency)

Location Near center of river
 Type Uncontrolled concrete ogee
 Crest length 480 ft
 Crest elevation 437.5 ft above msl

OUTLET WORKS

Type 2 cast iron pipes, each 20-inch diameter
 Control Motor-operated valve
 Invert elevation 416.5 ft above msl
 Type 2 conduits, each 4 by 6 ft
 Control Sluice gates
 Invert elevation 378.0 ft above msl

STATE AUTHORIZATION

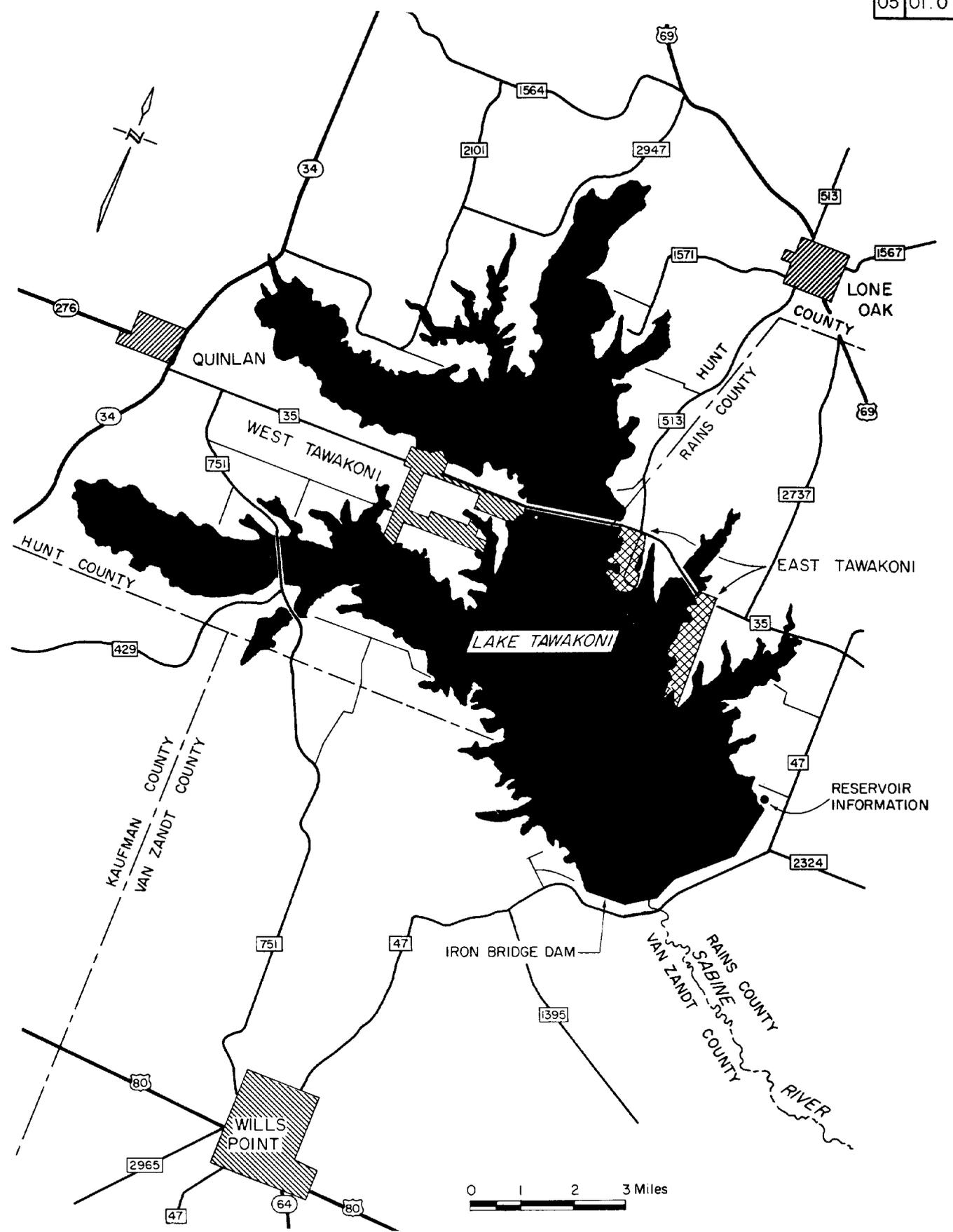
Permit No. 1792 (Application No. 1933), November 14, 1955, allows storage of 930,000 acre-feet of water and annual diversion of 184,600 acre-feet for municipal supply, 23,075 acre-feet for industrial use, and 23,075 acre-feet for irrigation of 12,000 acres of land.

RESERVOIR DATA (Based on 1956 survey)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	454.0	-	-
Emergency spillway	437.5	936,200	36,700
Invert to 20-inch pipe	416.5	342,700	20,614
Invert to 4 by 6 ft conduit	378.0	0	0
Usable capacity	-	936,200	-

GENERAL

Construction started January 1958
 Deliberate impoundment began October 1960
 Construction completed December 1960
 General contractor Moorman, Dewitt and Singleton and Whittle Contracting Company (A joint venture)
 Estimated cost of the dam \$19,000,000



Information courtesy of the Sabine River Authority

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