

TP-1 Dam and Lake Dunlap

OWNER

Guadalupe-Blanco River Authority.

ENGINEER (Design)

Fargo Engineering Company.

LOCATION

On the Guadalupe River in Guadalupe County, 9 miles northwest of Seguin.

DRAINAGE AREA

1,667 square miles, River flow partly regulated by Canyon Reservoir.

DAM

Type	Earthfill with concrete spillway
Length	2,000 ft
Height	41 ft
Elevation top of dam	588 ft above msl

SPILLWAY

Type	Floating crest
Length	255 ft
Crest elevation	563.2 ft above msl
Control	3 roof-weir gates, each 85 by 12 ft

OUTLET WORKS

None. Water is released through turbines while generating power. Lake is maintained at opening level by regulating power output.

POWER GENERATING FEATURES

Two generating units with a total capacity of 3,600 kw.

STATE AUTHORIZATION

TP-1 Dam and Lake Dunlap were authorized under Permit No. 21 (Application No. 21) dated July 25, 1914, which allows the appropriation and use of an amount of the public waters of the State at a rate not to exceed 1,300 cubic feet per second of time continuously for the purpose of hydroelectric power generation.

RESERVOIR DATA

Capacity	5,900 acre-feet at elevation 575.0 ft above msl	Normal maximum operating level 576.0 ft above msl
Area	410 acres at elevation 575.0 ft above msl	
Usable storage capacity	3,550 acre-feet	
Water is diverted by a 2-mile long canal to the powerplant.		

GENERAL

Construction started	1927
Dam completed	1928
Impoundment of water began	1928
Generation of power began	1928
General contractor	Sumner and Sollet
This is one of six projects owned and operated by Guadalupe-Blanco River Authority which were purchased from the original owners.	

