

Anahuac Dam and Anahuac Lake

OWNER

Chambers-Liberty Counties Navigation District.

ENGINEER (Design)

Freese, Nichols and Turner for enlarged project.

LOCATION

On Turtle Bay in Chambers County near Anahuac.

DRAINAGE AREA

199 square miles, main source of water is pumpage from the Trinity River.

DAM (actually a levee)

Type	Earthfill (hydraulic)
Length (including spillways)	59,000 ft
Maximum height	10 ft
Top width	8 ft
Elevation top of levee	9.0 ft above msl

SPILLWAY (emergency)

Type	Part of embankment (uncontrolled)
Crest length	1,200 ft
Elevation	8.0 ft above msl

SPILLWAY (service)

Type	Concrete slab (uncontrolled)
Crest length	700 ft
Elevation	5.0 ft above msl

OUTLET WORKS

Type	Gated sluiceway
Size	6 by 6 ft
Discharge	To forebay and pumping plant

STATE AUTHORIZATION

Water rights date back to Certified Filing No. 246 filed June 26, 1914, Certified Filing No. 254 filed February 12, 1914, and Certified Filing No. 531 filed June 30, 1914.
The latest Permit No. 1647 (Application No. 1780) December 4, 1952, authorizes an increase in lake storage from 17,000 to 35,300 acre-feet without changing the annual use of 35,300 acre-feet for irrigation.

RESERVOIR DATA

Capacity	35,300 acre-feet at elevation 5.0 ft above msl
Area	5,300 acres at elevation 5.0 ft above msl

GENERAL

Original project in operation since 1914.	
Enlarged project started	March 17, 1953
Enlarged project completed	July 1, 1954

