

Brazoria Dam and Brazoria Reservoir

OWNER

The Dow Chemical Company.

ENGINEER (Design)

Lockwood and Andrews.

LOCATION

Off-channel reservoir in Brazoria County, 1 mile northeast of Brazoria.

DRAINAGE AREA

None. Reservoir level is maintained by pumping from the Brazos River.

DAM

Type	Variable height levee
Length	40,000 ft±
Height	16 ft average
Top width	14 ft
Top elevation	35.0 ft above msl

SPELLWAY

A box type concrete structure with the discharge section extending through the levee. Crest elevation is 31.07 ft above msl.

OUTLET WORKS

Water is released by gated conduits to Buffalo Camp Bayou and flows by gravity to a pumping plant.

STATE AUTHORIZATION

Permit No. 1631 (Application No. 1756) July 8, 1952 allows construction of a reservoir to store 21,970 acre-feet of water pumped from the Brazos River under Permit No. 1345. Water may be purchased from the Brazos River Authority when needed.

RESERVOIR DATA

Capacity	21,970 acre-feet at elevation 31.07 ft above msl
Area	1,865 acres at elevation 31.07 ft above msl

Capacity 21,970 Acre-Feet At Elevation 31.07
Area 1,865 Acres At Elevation 31.07

GENERAL

Construction started	March 1, 1953
Diversion began	April 1954
Levee completed	May 1, 1954
General contractor	Gulf Bitulithic
Estimated cost of levee	\$1,500,000

This is part of a system of reservoirs and canals to insure industrial water to various plants.

