

Livingston Dam and Lake Livingston

OWNERS

City of Houston and the Trinity River Authority.

ENGINEER

Design: Brown and Root, Inc.
Construction: Forrest and Cotton, Inc.

LOCATION

On the Trinity River in Polk and San Jacinto Counties, 6 miles southwest of Livingston.

DRAINAGE AREA

16,616 square miles.

DAM

Type Earthfill with concrete spillway
Length 14,400 ft
Maximum height 100 ft
Top width 24 ft

SPILLWAY

Crest elevation 99.0 ft above msl
Length (net) 480 ft
Type Ogee
Control 12 tainter gates, each 40 by 35 ft

OUTLET WORKS

Type Multi-gated intake tower and 1
conduit 10 ft diameter
Control Slide gates
Lowest invert elevation 58.0 ft above msl

STATE AUTHORIZATION

Permit No. 1970 (Application No. 2139), October 11, 1960, to the city of Houston and Trinity River Authority authorizes diversion of 1,254,400 acre-feet of water annually allocated to:

Municipal use 134,000 acre-feet
Industrial use 1,070,400 acre-feet
Irrigation use 50,000 acre-feet

Permit No. 1970A (Application No. 2139A), July 27, 1972, amends Permit No. 1970 as follows:
Permittee is authorized to use 40,000 acre-feet of water annually for municipal use, 212,150 acre-feet for industrial use, and 99,450 acre-feet for irrigation.

RESERVOIR DATA (Capacity and area shown are from Brown & Root's letter of July 22, 1970 by Mr. E. F. Cross)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	145.0	—	—
Top of gates	134.0	2,045,000	88,900
Top of conservation storage	131.0	1,750,000	82,600
Spillway crest	99.0	161,000	17,700

GENERAL

Construction started May 28, 1966
Impoundment of water began October 1968
Dedication ceremony December 12, 1968
Dam completed August 29, 1969
General contractors Markham and Brown Company and
Whittle Construction Company
Estimated cost of the project \$81,500,000

