

LOCATION: R.M. 16.0 on Lampasas River, Brazos River Basin, 5 miles southwest of Belton, Bell County, TX

DRAINAGE AREA:

1,318 square miles  
One inch of runoff 70,293 acre-feet

DAM:

Type: Rolled earth fill  
Length: 15,624' (including spillway & dike)  
Maximum Height: 200'  
Top Width: 42' (dike 10')

SPILLWAY:

Crest Elev: 666.0' msl  
Length: 1,650' net at crest  
Type: Broadcrested  
Control: None

INFLOW:

Spillway design flood peak, cfs 766,600  
Spillway design flood volume, ac-ft 1,585,700  
Spillway design flood runoff, inches 22.56

OUTFLOW:

Total routed peak outflow, cfs 680,000  
Spillway, cfs 673,500  
Outlet works, cfs 6,500

OUTLET WORKS:

Type: 1 gate controlled conduit  
Dimension: 12' diameter  
Invert Elev: 515.0' msl  
Control: 2-5.67'x12' hydraulically operated slide gates

POWER FEATURES: None

Feature	: Elev : Feet : (msl)	: Reser- : voir : Area : (acres)	: Reservoir Capacity :			: Spillway : Capacity : (cfs)	: Outlet Works : Capacity : (cfs)
			: Accumu- : lative : (ac-ft)	: Runoff : (inches)	: Incre- : mental : (ac-ft)		
Top of Dam	698.0						
Max Design Water Surface	693.2	16,370	1,013,300	14.42		673,500	6,500
Top of Flood Control Pool and Spillway Crest	666.0	11,830	630,400	8.97	390,600		7,400
Top of Conservation Pool	622.0	6,430	235,700	3.35	204,900		6,200
Sediment Reserve					34,900*		
Total Storage					630,400		
Maximum Tailwater Streambed	576.9 498.0						

\*Estimated 50 years of sediment storage distributed as follows: 4,100 ac-ft between elev 666.0' and 622.0' msl  
30,800 ac-ft below elev 622.0' msl

(Sheet 1 of 2)

STILLHOUSE HOLLOW LAKE

AUTHORIZATION: Flood Control Act of 3 Sep 54 (PL 83-780) (HD 535/81/2). Name changed by PL 86-307 approved 21 Sep 59. \*\*

FINAL PROJECT COST( MAR 68):

Federal:	\$24,507,00
Non-Federal:	None*
Total:	\$24,507,000

ANNUAL O&M COST (FY 81):

Federal:	\$ 697,600
Non-Federal:	44,100
Total:	\$ 641,700

COST ALLOCATION METHOD: Use of facilities (pro rata)

LOCAL AGENCY: Brazos River Authority

LAND ACQUISITION:

	: Guide Contour ('msl)	: Area (Acres)
Fee simple	671.0	15,363
Easement		876
Total		16,239

FLOOD DATA:

Date	Peak Discharge (cfs)
Sep 1873 (Historical)	(1)
Sep 1936	53,200
May 1944	52,800
May 1957	84,000

(Youngsport gage)

Bankfull capacities below dam: Lampasa River to mouth: 10,000 cfs; Little River from mouth of Leon River to mouth: 10,000 cfs (2)

(1) Maximum known flood; stage 44.2 feet; discharge not determined.

(2) Proposals to increase channel capacity of Little River to 14-18,000 cfs are being considered in connection with the comprehensive survey report on the Brazos River Basin.

STATUS: Construction was initiated 11 Jun 62 and last major item of construction was completed in Jul 68. Deliberate impoundment began 19 Feb 68. The project is complete and operational.

\*NON-FEDERAL PARTICIPATION AND LOCAL COOPERATION:

A contract with the Brazos River Authority was approved 13 Apr 62 for 13 percent (26,740 ac-ft) as present supply and 87 percent (178,160 ac-ft) as future supply of the total conservation storage below 622.0 ft msl. BRA will pay \$6,982,984.34, in addition to their share of the annual O&M cost, for this total water supply storage space.

REMARKS: \*\*Public Law 86-307 changed name of the dam from "Lampasas" to "Stillhouse Hollow."

Dependable yield\*\*: 98 cfs or 63.3 MGD

\*\*Based on critical dry period from 1947-1952 and 50 years of sedimentation.

Visitation (1981): 1,176,788

Shoreline at top of conservation pool: 58 miles