

LOCATION: R.M. 27.8 on Hords Creek, Pecan Bayou Watershed, Colorado River Basin, 13 miles west of Coleman, Texas, in Coleman County.

DRAINAGE:

48 square miles  
One inch of runoff 2,560 acre-feet

DAM:

Type: Rolled earth fill  
Length: 6,800' (incl spillway)  
Maximum height: 91'  
Top width: 24'

SPILLWAY:

Crest elev: 1,920.0' msl  
Length: 500'  
Type: Broadcrested  
Control: None

*Elev 1900.0  
1916*

INFLOW:

Spillway design flood peak, cfs 92,400  
Spillway, design flood volume, ac-ft 60,000  
Spillway design flood runoff, inches 23.44

OUTFLOW:

Total routed peak outflow, cfs 63,300  
Spillway, cfs 60,800  
Outlet works, cfs 2,500

OUTLET WORKS:

Type: 1 gate controlled conduit  
Dimensions: 8' diameter  
Invert elev: 1,856.0' msl  
Control: 2-4'x6' slide gates

WATER SUPPLY OUTLET:

Type: 1-2' cast iron pipe  
Invert elev: 1 each at 1,893.25, 1,886.25, and 1,876.5' msl

POWER FEATURES: None

Feature	Elev : (msl)	Reser- : Reservoir Capacity :				Outlet Works Capacity (cfs)			
		Accumu- : Area : (acres)	Runoff : (ac-ft)	Incre- : (inches)	Spillway : (cfs)	Uncon- : trolled	Uncon- : trolled	Uncon- : trolled	Uncon- : trolled
Top of Dam	1939.0								
Max Design Water Surface	1933.6	2,330	19,290	19.25	60,800	900	2,350	2,500	
Top of Flood Control Pool	1920.0	1,260	25,310	9.89	16,670	810	2,120	2,260	
Top of Conservation Pool	1900.0	510	8,640	3.38	5,780		1,050	1,780	
Sediment reserve					2,860*				
Total storage					25,310				
Streambed	1848.0								

\*Estimated 50 years of sediment storage below elevation 1920.0' msl

(Sheet 1 of 2)

HORDS CREEK LAKE

AUTHORIZATION:

\*\*Flood Control Act of 18 Aug 41 (HD 370/76/1) (PL 77-228) and Flood Control Act of 22 Dec 44 (PL 78-534).

PROJECT COST ESTIMATE (JUL 72):

Federal:	\$4,232,000
Non-Federal:	105,080*
Total:	\$4,337,080

ANNUAL O&M COST (FY 81):

Federal:	\$ 350,000
Non-Federal:	None
Total:	\$ 350,000

COST ALLOCATION METHOD: Law

LOCAL AGENCY: Central Colorado River Authority

LAND ACQUISITION:

	: Guide Contour ('msl)	: Area (Acres)
Fee Simple	1925.0	3,027
Easement		0
Total		3,027

FLOOD DATA (Estimated):

Date	: Peak Discharge
	: (cfs)
Sep 1900	19,320
Jul 32	18,090

Gaging stations: Reservoir and Hords Creek near Valera, TX.

Bankfull capacities below dam: Hords Creek Dam to Coleman - 4,000 cfs; Hords Creek at Coleman - 10,000 cfs.

STATUS: Construction began Jan 47. Dam was completed Jun 48. Deliberate impoundment began 7 Apr 48. Project is complete and operational.

\*NON-FEDERAL PARTICIPATION AND LOCAL COOPERATION:

By legislation, the Central Colorado River Authority was authorized to utilize 100 percent (5,780 ac-ft) for the conservation storage between elevations 1900.0 and 1883.0 ft msl. CCRA has paid \$105,078.69 for adjustments to intake structure and usage of this water supply storage space.

REMARKS:

\*\*FC Act of 18 Aug 41 authorized \$1,400,000 for initiation of project and FC Act of 22 Dec 44 authorized completion of project.

Dependable yield\*\*\*: 1.07 cfs or 0.71 MGD

\*\*Based on critical dry period from 1945-1951 and 50 years of sedimentation.

Visitation (1981): 520,119

Shoreline at top of conservation pool: 11 miles

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HORDS CREEK LAKE