

Cedar Bluff Lake Reservoir Information Sheet

Location On the Smoky Hill River at river mile 333.7, in Trego County, 18 miles southwest of Ellis. Watershed includes portions of Trego, Gove, Logan, Wallace, Greeley, Scott, Lane, Sherman, Thomas and Wichita counties.

River Basin Smoky Hill-Saline

Watershed

Watershed Drainage Area** 5530 mi² **Hydrologic Unit Code** 10260001, 02, 03, 04, 05
Percent of Watershed in Organized Watershed District* 0% **Elevation of Top of Watershed**** 4650 ft.
Watershed Sediment Yield* 0.05 Acre-ft/mi²/yr

Construction History**

Construction Began April, 1949 **Top of Dam Elevation**** 2198 ft.
Multipurpose Pool Filled June 21, 1951 **Gates Closed** November 13, 1950

**Current
Federally
Authorized
Purposes****

Originally authorized for irrigation, flood control, and water supply, with incidental benefits for recreation, fish and wildlife, and water quality. In 1992 Congress reformulated the project to create an operating pool for fish, wildlife, and recreation. Irrigation was abandoned and the irrigation district was dissolved.

**State
Designated
Uses*****

General purposes, expected aquatic life use, primary contact recreation, food procurement, industrial water supply

Multipurpose Pool - Top Elev. 2144 ft.

| | |
|--|---|
| Original Survey Year* <u>1951</u> | Most Recent Survey Year* <u>2000</u> |
| Original Storage Capacity* <u>185,090 acre-ft.</u> | Capacity at Most Recent Survey* <u>172,452 acre-ft</u> |
| Original Surface Area** <u>6,869 acres</u> | Surface Area at Most Recent Survey* <u>6,869 acres</u> |
| Design Sedimentation Rate** <u>260 acre-ft./yr</u> | Calculated Sedimentation Rate* <u>256 acre-ft./yr</u> |
| Design Life for Sediment Storage** <u>100 Years</u> | Estimated Current Capacity* <u>169,632 acre-ft</u> |
| | Loss of Capacity to Date* <u>8.35%</u> |

Multipurpose Pool Breakout

Quality Storage 0.00%
Water Supply Storage _____ = 0.00% Assurance District + _____ Water Marketing + 0.00% Reserve
Other 0.00%

Flood Pool (includes Multipurpose Pool)

Top of Flood Pool 2166 ft. **Original Surface Area**** _____ acres
Original Storage Capacity* 376,950 acre-ft. **Design Sedimentation Rate**** 260 acre-ft./yr

Lake Level Management Plan

Recent Bathymetric Surveys

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