

Kanopolis Lake Reservoir Information Sheet

Location	On the Smoky Hill River at river mile 183.7, in Ellsworth County, 17 miles southeast of Ellsworth. Watershed includes portions of Barton, Ellis, Ellsworth, Gove, Lincoln, Ness, Rice, Rush, Russell, Sheridan and Trego counties.
River Basin	Smoky Hill-Saline

Watershed			
Watershed Drainage Area**	2327 mi ²	Hydrologic Unit Code	10260006-10260007
Percent of Watershed in Organized Watershed District*	0%	Elevation of Top of Watershed**	3000 ft.
Watershed Sediment Yield*	0.18 Acre-ft/mi ² /yr		

Construction History**			
Construction Began	December, 1940	Top of Dam Elevation**	1537 ft.
Multipurpose Pool Filled	July, 1948	Gates Closed	May, 1948

Current Federally Authorized Purposes**	Flood control, irrigation, recreation, fish and wildlife, water quality, downstream low flow augmentation, navigation, hydroelectric power, and water supply. The irrigation purpose cannot be implemented until an irrigation district has been constituted to use the water. Navigation and hydroelectric power are no longer operating purposes.
State Designated Uses***	General purpose, expected aquatic life, primary contact recreation, domestic water supply, food procurement, irrigation water supply.

Multipurpose Pool - Top Elev. 1463 ft.			
Original Survey Year*	1946	Most Recent Survey Year*	2008
Original Storage Capacity*	73,200 acre-ft.	Capacity at Most Recent Survey*	48,784 acre-ft.
Original Surface Area**	3,980 acres	Surface Area at Most Recent Survey*	3,011 acres
Design Sedimentation Rate**	451 acre-ft./yr	Calculated Sedimentation Rate*	408 acre-ft./yr
Design Life for Sediment Storage**	100 Years	Estimated Current Capacity*	47,968 acre-ft.
		Loss of Capacity to Date*	34.47%

Multipurpose Pool Breakout	
Quality Storage	53.40%
Water Supply Storage	46.60% = 0.00% Assurance District + 46.60% Water Marketing + 0.00% Reserve
Other	0.00%

Flood Pool (includes Multipurpose Pool)			
Top of Flood Pool	1508 ft.	Original Surface Area**	13,940 acres
Original Storage Capacity*	447,251 acre-ft.	Design Sedimentation Rate**	564 acre-ft./yr

Lake Level Management Plan	Recent Bathymetric Surveys
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