

Council Grove Lake Reservoir Information Sheet

Location On the Neosho River at river mile 449.9, approximately 2 miles northwest of Council Grove and approximately 22 miles northwest of Emporia, in Morris County. Watershed includes portions of Morris and Wabaunsee counties.

River Basin Neosho

Watershed

Watershed Drainage Area** 246 mi² **Hydrologic Unit Code** 11070201010
Percent of Watershed in Organized Watershed District* 0% **Elevation of Top of Watershed**** 1450 ft.
Watershed Sediment Yield* 0.77 Acre-ft/mi²/yr

Construction History**

Construction Began June 24, 1960 **Top of Dam Elevation**** 1321 ft.
Multipurpose Pool Filled June 9, 1965 **Gates Closed** October 9, 1964

**Current
Federally
Authorized
Purposes****

Flood control, water quality control, recreation, water supply.

**State
Designated
Uses*****

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

Multipurpose Pool - Top Elev. 1274 ft.

Original Survey Year*	<u>1965</u>	Most Recent Survey Year*	<u>2008</u>
Original Storage Capacity*	<u>52,375 acre-ft.</u>	Capacity at Most Recent Survey*	<u>43,984 acre-ft.</u>
Original Surface Area**	<u>3,316 acres</u>	Surface Area at Most Recent Survey*	<u>2,835 acres</u>
Design Sedimentation Rate**	<u>acre-ft./yr</u>	Calculated Sedimentation Rate*	<u>189 acre-ft./yr</u>
Design Life for Sediment Storage**	<u>100 Years</u>	Estimated Current Capacity*	<u>43,417 acre-ft.</u>
		Loss of Capacity to Date*	<u>17.10%</u>

Multipurpose Pool Breakout

Quality Storage 22.67%
Water Supply Storage 77.33% = 14.80% Assurance District + 43.43% Water Marketing + 19.10% Reserve
Other 0.00%

Flood Pool (includes Multipurpose Pool)

Top of Flood Pool 1289 ft. **Original Surface Area**** 5,356 acres
Original Storage Capacity* 117,339 acre-ft. **Design Sedimentation Rate**** 206 acre-ft./yr

Lake Level Management Plan

Recent Bathymetric Surveys

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