

Pomona Lake Reservoir Information Sheet

Location On 110 Mile Creek, 8.3 miles above confluence with Marais des Cygnes river; 8.5 miles west and 3 miles north of Pomona in Osage County. Watershed includes portions of Franklin, Lyon, Osage and Wabaunsee counties.

River Basin Marais Des Cygnes

Watershed

Watershed Drainage Area** 322 mi² **Hydrologic Unit Code** 10290101030
Percent of Watershed in Organized Watershed District* 10% **Elevation of Top of Watershed**** 1400 ft.
Watershed Sediment Yield* 1.04 Acre-ft/mi²/yr

Construction History**

Construction Began June, 1959 **Top of Dam Elevation**** 1031 ft.
Multipurpose Pool Filled June 4, 1965 **Gates Closed** July 19, 1962

**Current
Federally
Authorized
Purposes****

Flood control, low flow supplementation, water quality, recreation, domestic water supply and fish and wildlife enhancement.

**State
Designated
Uses*****

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

Multipurpose Pool - Top Elev. 974 ft.

Original Survey Year*	<u>1964</u>	Most Recent Survey Year*	<u>2009</u>
Original Storage Capacity*	<u>70,603 acre-ft.</u>	Capacity at Most Recent Survey*	<u>55,514 acre-ft.</u>
Original Surface Area**	<u>4,000 acres</u>	Surface Area at Most Recent Survey*	<u>3,941 acres</u>
Design Sedimentation Rate**	<u>294 acre-ft./yr</u>	Calculated Sedimentation Rate*	<u>334 acre-ft./yr</u>
Design Life for Sediment Storage**	<u>100 Years</u>	Estimated Current Capacity*	<u>54,847 acre-ft.</u>
		Loss of Capacity to Date*	<u>22.32%</u>

Multipurpose Pool Breakout

Quality Storage 25.00%
Water Supply Storage 73.86% = 23.63% Assurance District + 1.52% Water Marketing + 48.71% Reserve
Other 1.14%

Flood Pool (includes Multipurpose Pool)

Top of Flood Pool 1003 ft. **Original Surface Area**** 8,520 acres
Original Storage Capacity* 247,276 acre-ft. **Design Sedimentation Rate**** 294 acre-ft./yr

Lake Level Management Plan

Recent Bathymetric Surveys

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