

Hillsdale Lake Reservoir Information Sheet

Location On Big Bull Creek, at river mile 18.2, 2.5 miles west of Hillsdale, KS, and 5 miles northwest of Paola, KS. Watershed includes portions of Douglas, Franklin, Johnson and Miami counties.

River Basin Marais Des Cygnes

Watershed

Watershed Drainage Area** 144 mi² **Hydrologic Unit Code** 10290102010, 020, 030
Percent of Watershed in Organized Watershed District* 0% **Elevation of Top of Watershed**** 1110 ft.
Watershed Sediment Yield* 1.22 Acre-ft/mi²/yr

Construction History**

Construction Began April, 1976 **Top of Dam Elevation**** 952.2 ft
Multipurpose Pool Filled February 23, 1985 **Gates Closed** September 19, 1981

**Current
Federally
Authorized
Purposes****

Flood control, navigation, water supply, water quality, recreation, fish and wildlife. Navigation is not currently an operating purpose.

**State
Designated
Uses*****

General purpose, special aquatic life use, primary contact recreation, domestic supply, food procurement, industrial supply.

Multipurpose Pool - Top Elev. 917 ft.

Original Survey Year*	<u>1969</u>	Most Recent Survey Year*	<u>2009</u>
Original Storage Capacity*	<u>82,207 acre-ft.</u>	Capacity at Most Recent Survey*	<u>77,415 acre-ft.</u>
Original Surface Area**	<u>4,575 acres</u>	Surface Area at Most Recent Survey*	<u>4,827 acres</u>
Design Sedimentation Rate**	<u>83 acre-ft./yr</u>	Calculated Sedimentation Rate*	<u>176 acre-ft./yr</u>
Design Life for Sediment Storage**	<u>100 Years</u>	Estimated Current Capacity*	<u>77,064 acre-ft.</u>
		Loss of Capacity to Date*	<u>6.26%</u>

Multipurpose Pool Breakout

Quality Storage 22.06%
Water Supply Storage 77.94% = 0.00% Assurance District + 19.48% Water Marketing + 0.00% Reserve
Other 0.00%

Flood Pool (includes Multipurpose Pool)

Top of Flood Pool 931 ft. **Original Surface Area**** 7,413 acres
Original Storage Capacity* 159,840 acre-ft. **Design Sedimentation Rate**** 110 acre-ft./yr

Lake Level Management Plan

Recent Bathymetric Surveys

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