

Clinton Lake Reservoir Fact Sheet

Location	On the Wakarusa River, at river mile 22.3 in Douglas County, 4 miles west of Lawrence, Kansas. Watershed includes portions of Douglas, Osage, Shawnee and Wabaunsee counties.		
River Basin	Kansas-Lower Republican	Top of Dam Elevation**	928 ft.

Construction History**			
Construction Began	January 1972	Gates Closed	November 30, 1977
	Multipurpose Pool Filled April 3, 1980		

Current Federally Authorized Purposes**	Flood control, water supply, water quality, recreation, fish and wildlife.
State Designated Uses***	Primary contact recreation, food procurement, special aquatic life support.

Watershed			
Watershed Drainage Area**	367 mi ²	Hydrologic Unit Code	10270104010
Percent of Watershed in Organized Watershed District*	99%	Elevation of Top of Watershed**	1360 ft.
Major Streams	Wakarusa River, Deer Creek, Rock Creek		

Original Sediment Survey Year*	1977	Most Recent Survey Year*	1991
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Multipurpose Pool			
Top of Multipurpose Pool	875.5 ft	Multipurpose Pool Surface Area*	7,120 acres
Original Storage Capacity*	129,171 acre-ft	Capacity at Most Recent Survey*	125,334 acre-ft
Estimated Current Capacity*	120,643 acre-ft	Design Sedimentation Rate**	190 acre-ft./yr
Actual Sedimentation Rate*	293 acre-ft./yr	Loss of Capacity to Date*	6.60%
Hydraulic Residence Time***	9 months	Average Water Depth***	17 ft.
Multipurpose Pool Shoreline Perimeter Length**	82 miles		

Multipurpose and Flood Pool			
Top of Flood Pool	903.4 ft.	Flood Pool Surface Area*	12,890 acres
Original Storage Capacity*	397,538 acre-ft.	Capacity at Most Recent Survey*	394,117 acre-ft.
Estimated Current Capacity*	389,935 acre-ft.	Design Sedimentation Rate**	285 acre-ft./yr
Actual Sedimentation Rate*	261 acre-ft./yr	Loss of Capacity to Date*	1.91%

Impact of Sediment Summary			
Watershed Sediment Yield*	0.71 acre-ft/mi ² /yr	Design Life for Sediment Storage**	100 Years
Years to Fill Sediment Storage Multipurpose Pool From Time of Gate Closure*	65 Years		
Year Sediment Storage is Filled*	2042		

Lake Level Management Plan	Total Maximum Daily Loads
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