

## Big Hill, Pearson-Skubitz Lake Reservoir Information Sheet

<b>Location</b>	River mile 33.3 on Big Hill Creek in Labette County, about 4.5 miles east of Cherryvale. Watershed includes portions of Neosho and Labette counties.
<b>River Basin</b>	Verdigris

Watershed			
<b>Watershed Drainage Area**</b>	36.9 mi <sup>2</sup>	<b>Hydrologic Unit Code</b>	11070103010060
<b>Percent of Watershed in Organized Watershed District*</b>	0%	<b>Elevation of Top of Watershed**</b>	1050 ft.
<b>Watershed Sediment Yield*</b>	3.53 Acre-ft/mi <sup>2</sup> /yr		

Construction History**			
<b>Construction Began</b>	April 15, 1974	<b>Top of Dam Elevation**</b>	884 ft.
<b>Multipurpose Pool Filled</b>	May, 1983	<b>Gates Closed</b>	March 31, 1981

<b>Current Federally Authorized Purposes**</b>	Flood control, water supply, recreation, fish and wildlife.
<b>State Designated Uses***</b>	General purpose, exceptional aquatic life use, primary contact recreation, domestic supply, food procurement, industrial water

Multipurpose Pool - Top Elev. 858 ft.			
<b>Original Survey Year*</b>	1981	<b>Most Recent Survey Year*</b>	2010
<b>Original Storage Capacity*</b>	27,216 acre-ft.	<b>Capacity at Most Recent Survey*</b>	23,361 acre-ft.
<b>Original Surface Area**</b>	1,187 acres	<b>Surface Area at Most Recent Survey*</b>	1,104 acres
<b>Design Sedimentation Rate**</b>	18.3 acre-ft./yr	<b>Calculated Sedimentation Rate*</b>	130 acre-ft./yr
<b>Design Life for Sediment Storage**</b>	100 Years	<b>Estimated Current Capacity*</b>	23,231 acre-ft.
		<b>Loss of Capacity to Date*</b>	14.64%

Multipurpose Pool Breakout	
<b>Quality Storage</b>	0.00%
<b>Water Supply Storage</b>	100.00% = 0.00% Assurance District + 35.81% Water Marketing + 0.00% Reserve
<b>Other</b>	0.00%

Flood Pool (includes Multipurpose Pool)			
<b>Top of Flood Pool</b>	867.5 ft.	<b>Original Surface Area**</b>	1,469 acres
<b>Original Storage Capacity*</b>	39,750 acre-ft.	<b>Design Sedimentation Rate**</b>	22 acre-ft./yr

<b>Lake Level Management Plan</b>	<b>Recent Bathymetric Surveys</b>
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