

## Elk City Lake Reservoir Information Sheet

<b>Location</b>	Elk River at river mile 8.7, approximately 7 miles east of Elk City in Montgomery County. Watershed includes portions of Butler, Chautauqua, Elk, Greenwood, Montgomery and Wilson counties.
<b>River Basin</b>	Verdigris

Watershed			
<b>Watershed Drainage Area**</b>	634 mi <sup>2</sup>	<b>Hydrologic Unit Code</b>	11070104
<b>Percent of Watershed in Organized Watershed District*</b>	76%	<b>Elevation of Top of Watershed**</b>	1600 ft.
<b>Watershed Sediment Yield*</b>	0.54 Acre-ft/mi <sup>2</sup> /yr		

Construction History**			
<b>Construction Began</b>	January 30, 1962	<b>Top of Dam Elevation**</b>	849 ft.
<b>Multipurpose Pool Filled</b>	June 12, 1967	<b>Gates Closed</b>	March 17, 1966

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

Multipurpose Pool - Top Elev. 796 ft.			
<b>Original Survey Year*</b>	1966	<b>Most Recent Survey Year*</b>	1992
<b>Original Storage Capacity*</b>	52,556 acre-ft.	<b>Capacity at Most Recent Survey*</b>	43,507 acre-ft.
<b>Original Surface Area**</b>	4,239 acres	<b>Surface Area at Most Recent Survey*</b>	4,118 acres
<b>Design Sedimentation Rate**</b>	acre-ft./yr	<b>Calculated Sedimentation Rate*</b>	341 acre-ft./yr
<b>Design Life for Sediment Storage**</b>	50 Years	<b>Estimated Current Capacity*</b>	37,360 acre-ft.
		<b>Loss of Capacity to Date*</b>	28.91%

Multipurpose Pool Breakout	
<b>Quality Storage</b>	14.08%
<b>Water Supply Storage</b>	85.92% = 0.00% Assurance District + 57.45% Water Marketing + 28.47% Reserve
<b>Other</b>	0.00%

Flood Pool (includes Multipurpose Pool)	
<b>Top of Flood Pool</b>	825 ft.
<b>Original Storage Capacity*</b>	294,531 acre-ft.
	<b>Original Surface Area**</b> 14,231 acres
	<b>Design Sedimentation Rate**</b> 256 acre-ft./yr

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