

## Fall River Lake Reservoir Fact Sheet

<b>Location</b>	Constructed on Fall River in Greenwood County at river mile 54.2. Watershed includes portions of Butler, Chase, Elk, and Greenwood counties.		
<b>River Basin</b>	Verdigris	<b>Top of Dam Elevation**</b>	996 ft.

Construction History**			
<b>Construction Began</b>	May 9, 1946	<b>Gates Closed</b>	April 20, 1949
	<b>Multipurpose Pool Filled</b> June 9, 1949		

<b>Current Federally Authorized Purposes**</b>	Flood control, water quality, water supply.
<b>State Designated Uses***</b>	Expected aquatic life support, primary contact recreation, domestic water supply, food procurement, industrial water supply.

Watershed			
<b>Watershed Drainage Area**</b>	585 mi <sup>2</sup>	<b>Hydrologic Unit Code</b>	11070102010, 020
<b>Percent of Watershed in Organized Watershed District*</b>	82%	<b>Elevation of Top of Watershed**</b>	1600 ft.
<b>Major Streams</b> Fall River, East and West Branches Fall River, Otter Creek, Spring Creek.			

<b>Original Sediment Survey Year*</b> 1948	<b>Most Recent Survey Year*</b> 1990
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Multipurpose Pool			
<b>Top of Multipurpose Pool</b>	948.5 ft	<b>Multipurpose Pool Surface Area*</b>	2,329 acres
<b>Original Storage Capacity*</b>	30,401 acre-ft.	<b>Capacity at Most Recent Survey*</b>	22,626 acre-ft.
<b>Estimated Current Capacity*</b>	19,433 acre-ft.	<b>Design Sedimentation Rate**</b>	acre-ft./yr
<b>Actual Sedimentation Rate*</b>	188 acre-ft./yr	<b>Loss of Capacity to Date*</b>	36.08%
<b>Hydraulic Residence Time***</b>	1 year	<b>Average Water Depth***</b>	10 ft.
<b>Multipurpose Pool Shoreline Perimeter Length**</b>		40 miles	

Multipurpose and Flood Pool			
<b>Top of Flood Pool</b>	987.5 ft.	<b>Flood Pool Surface Area*</b>	10,610 acres
<b>Original Storage Capacity*</b>	264,994 acre-ft.	<b>Capacity at Most Recent Survey*</b>	254,875 acre-ft.
<b>Estimated Current Capacity*</b>	250,719 acre-ft.	<b>Design Sedimentation Rate**</b>	146 acre-ft./yr
<b>Actual Sedimentation Rate*</b>	244 acre-ft./yr	<b>Loss of Capacity to Date*</b>	5.39%

Impact of Sediment Summary			
<b>Watershed Sediment Yield*</b>	0.42 acre-ft/mi <sup>2</sup> /yr	<b>Design Life for Sediment Storage**</b>	50 Years
<b>Years to Fill Sediment Storage Multipurpose Pool From Time of Gate Closure*</b>		Years	
<b>Year Sediment Storage is Filled*</b>			

<b>Lake Level Management Plan</b>	<b>Total Maximum Daily Loads</b>
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