

Fall River Lake Reservoir Information Sheet

Location Constructed on Fall River in Greenwood County at river mile 54.2. Watershed includes portions of Butler, Chase, Elk, and Greenwood counties.

River Basin Verdigris

Watershed

Watershed Drainage Area** 585 mi² **Hydrologic Unit Code** 11070102010, 020

Percent of Watershed in Organized Watershed District* 82% **Elevation of Top of Watershed**** 1600 ft.

Watershed Sediment Yield* 0.27 Acre-ft/mi²/yr

Construction History**

Construction Began May 9, 1946

Top of Dam Elevation** 996 ft.

Multipurpose Pool Filled June 9, 1949

Gates Closed April 20, 1949

Current Federally Authorized Purposes**

Flood control, water quality, water supply.

State Designated Uses***

Expected aquatic life support, primary contact recreation, domestic water supply, food procurement, industrial water supply.

Multipurpose Pool - Top Elev. 948.5 ft

Original Survey Year* 1948

Most Recent Survey Year* 2010

Original Storage Capacity* 30,401 acre-ft.

Capacity at Most Recent Survey* 20,690 acre-ft.

Original Surface Area** 2,616 acres

Surface Area at Most Recent Survey* 2,064 acres

Design Sedimentation Rate** acre-ft./yr

Calculated Sedimentation Rate* 158 acre-ft./yr

Design Life for Sediment Storage** 50 Years

Estimated Current Capacity* 20,532 acre-ft.

Loss of Capacity to Date* 32.46%

Multipurpose Pool Breakout

Quality Storage 0.00%

Water Supply Storage _____ = 0.00% Assurance District + _____ Water Marketing + 0.00% Reserve

Other 0.00%

Flood Pool (includes Multipurpose Pool)

Top of Flood Pool 987.5 ft.

Original Surface Area** 10,387 acres

Original Storage Capacity* 264,994 acre-ft.

Design Sedimentation Rate** 146 acre-ft./yr

Lake Level Management Plan

Recent Bathymetric Surveys

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