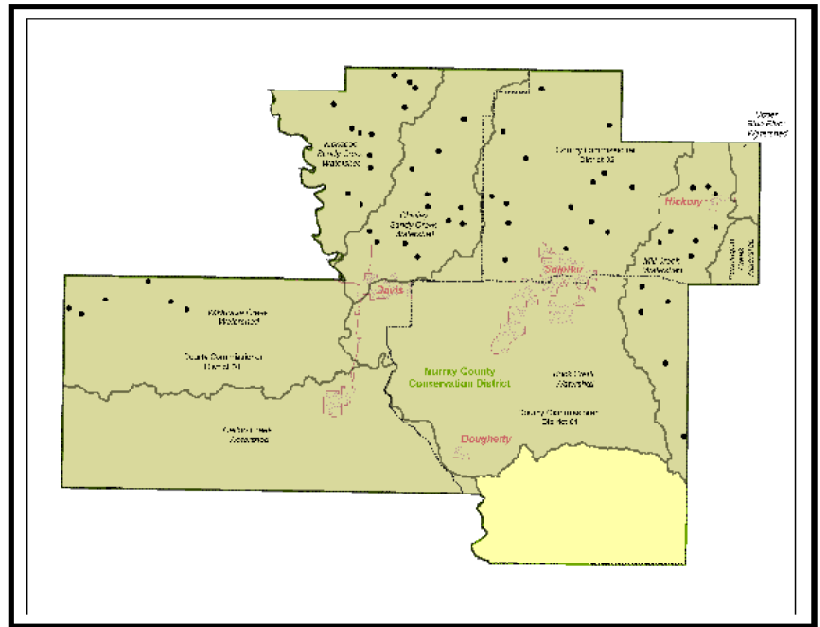


# Watershed Dams In Murray County

Oklahoma has 129 USDA Natural Resources Conservation Service (NRCS) assisted watershed projects in 64 counties. Over 2,100 watershed dams have been built in the state with financial and technical assistance from NRCS authorized through Public Law 78-534, Flood Control Act of 1944 (Washita River Watershed) and Public Law 83-566 Watershed Protection and Flood Prevention Program.

Watershed projects address a myriad of natural resource issues such as flooding, soil erosion, water quality, animal waste management, irrigation water management, water supply, wetland development or enhancement, fish and wildlife habitat and recreation. Many of these watershed projects also include conservation practices such as terraces, waterways, ponds, gully control, and pasture and rangeland plantings.



## Operation and Maintenance of Watershed Projects

The annual operation and maintenance of dams and their components is a major responsibility for project sponsors (local units of governments, usually conservation districts, conservancy districts, or city or county governments).

Operation and maintenance of watershed dams can be expensive and labor intensive, but is necessary to ensure the dams function as designed and remain safe. Maintenance work includes clearing trees from dams and spillway, repairing soil erosion damage, repairing damage to the spillway and dams after heavy rainstorms, and keeping the inlet towers cleared of debris.

## Operation and Maintenance Needs

\$11.7 million is needed to meet operation and maintenance needs on all watershed dams in the state for fiscal years 2009-2012.

## Rehabilitation of Aging Dams

Oklahoma has 321 watershed dams that will exceed their 50-year design life in 2009 and that number increases to 806 by 2013 and 1,435 by 2019. Murray County has 23 dams that will exceed their 50-year designed life in 2009 and that number increases to 31 by 2012 and 57 by 2019.

Some dams will need rehabilitation to remain safe and protect the people that live or work downstream. It is estimated that \$30 million will be needed to rehabilitate the highest priority of these dams during the next five years. Oklahoma currently has several rehabilitation projects in various stages of planning, design, or construction.

NRCS assistance is available to rehabilitate aging watershed dams with 65 percent federal cost-share. Local project sponsors provide 35 percent of the rehabilitation costs.

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## Annual Watershed Benefits (Entire Watershed)

Watershed Name	Dams in Watershed	Dams in Murray Co.	*Monetary Benefits	Farms / Ranches Benefited	Bridges Benefited	Wetlands Enhanced/Created (acres)	Reduced Sedimentation (tons of soil)
Chigley Sandy Ck.	14	10	\$171,691	86	7	291	53,531
Kickapoo Sandy Ck.	20	14	\$215,814	104	8	305	49,728
Mill Creek	18	13	\$128,670	177	10	340	49,903
Rock Creek	17	15	\$334,702	337	10	259	41,129
Wildhorse Creek	107	6	\$5,046,154	622	30	1,236	503,220
<b>Total</b>	<b>176</b>	<b>58</b>	<b>\$5,897,031</b>	<b>1,326</b>	<b>65</b>	<b>2,431</b>	<b>697,511</b>

\*Monetary benefits include reduction in flood damages and may include other benefits such as soil erosion control, recreational areas, irrigation water, municipal and industrial water supply, and wildlife habitat. (Price Base 2007). December 2008