

Upper Clear Boggy Creek Watershed Dam No. 26 Rehabilitation Project Pontotoc County, Oklahoma

Fact Sheet
November 2018

History of the Dam:

Upper Clear Boggy Creek Watershed Dam No. 26 is located two miles west of Fittstown, Oklahoma. The dam was constructed in 1980 by the Pontotoc County Conservation District with the assistance of the Oklahoma Conservation Commission and the USDA Natural Resources Conservation Service (NRCS) Watershed Program.

The dam is one of 49 flood control dams constructed in the Upper Clear Boggy Creek Watershed.



The existing dam no longer meets current dam safety standards for a high hazard dam.

Why Rehabilitate the Dam?

The dam was originally designed and constructed as a low hazard dam to protect agricultural lands from flooding.

The dam was reclassified to a high hazard dam in 2006 due to 8 houses, 2 mobile homes, 1 RV Park, 2 businesses, and 3 county roads downstream of the dams that could be affected by a dam breach and changes in state dam safety criteria. A dam breach would also release a large amount of sediment into areas downstream.

High hazard classification means there would be a risk of loss of life and property if the dam failed. The dam does not currently have condition issues, but does not meet current dam safety standards. The dam will be rehabilitated to bring it up to high hazard classification safety criteria and to extend its benefits for another 100 years.

The rehabilitation project is currently in the design stage with preliminary plans to: Replace the current 18-inch diameter principal spillway conduit with a 30-inch reinforced concrete conduit; construct a new concrete inlet that will raise the spillway crest by 1.2 feet; raise the top of the dam by 4.6 feet; enlarge the auxiliary earthen spillway from 50-feet wide to 200 feet and raise the spillway crest elevation by 1.4 feet; and construct a concrete impact basin to dissipate energy at the outlet of the principal spillway conduit.

Project Cost:

The NRCS will provide technical assistance and 65 percent of the construction cost. Project sponsors will provide easements and land rights for the project and 35 percent of the cost.

The total construction cost of the rehabilitation project is estimated to be \$1.7 million. NRCS will provide \$1.2 million of federal funds through the NRCS Small Watershed Program Rehabilitation Program. Local project sponsors will provide \$500,000 part of which will be appropriated by the Oklahoma Legislature to the Oklahoma Conservation Commission.

Benefits:

Rehabilitation of the dam will bring the dam up to current State dam safety criteria and extend its life and its benefits for another 100 years.

The dam provides flood protection for houses, businesses, county roads and agricultural land.

Partners:

Pontotoc County Conservation District
Oklahoma Conservation Commission
USDA Natural Resources Conservation Service

For More Information Contact:

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Rehabilitation Details:



This fact sheet was developed for the USDA Natural Resources Conservation Service by the National Watershed Coalition. USDA is an equal opportunity provider and employer.

