

Plum Creek Watershed Dam No. 21 Rehabilitation Project Caldwell County, Texas

History of the Dam:

The Plum Creek Watershed Dam was constructed in 1962 by local watershed project sponsors with the assistance of the USDA Natural Resources Conservation Service (NRCS) Watershed Program.

The dam was constructed for flood prevention, and it is classified as a high hazard dam due to development downstream.

The dam is one of twenty-eight flood control dams that have been constructed in the Plum Creek Watershed in Caldwell and Hays Counties.



A coffer dam was constructed during the rehabilitation of the dam to allow the construction of a roller compacted concrete spillway over the earthen dam.

Why Rehabilitate the Dam?

The dam is 61 years old and does not meet current dam safety standards for a high hazard dam.

The dam is being rehabilitated to meet high hazard classification standards and to ensure it remains safe and continues to provide flood prevention.

Rehabilitation Details

Rehabilitation includes the construction of a roller compacted concrete spillway over the dam, a new principal spillway conduit, a new 42-inch principal spillway inlet riser, decommissioning of the auxiliary spillway, a new impact basin and outlet channel, increasing the height of the crest of the existing embankment by approximately 4.7 feet, flattening the downstream embankment slope, installing a foundation/embankment drain system and installing rock riprap wave protection on the upstream embankment slope.

Project Cost:

The project began in April 2022 at a cost of \$11.9 million and has a projected completion date of December 2024.

The NRCS is funding the cost for planning and design and 65 percent of the construction cost. The Texas State Soil and Water Conservation Board is providing 33.25 percent of the construction cost and the Plum Creek Conservation District is providing 1.75 percent.

Benefits:

Rehabilitation will extend the life and benefits of the dam for another 100 years and provide flood protection for rural areas and homes and businesses downstream.

Partners:

- Plum Creek Conservation District
- Texas State Soil and Water Conservation Board
- USDA NRCS

For More Information Contact:

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