

# Tibble Fork Dam Rehabilitation Project Utah County, Utah

Fact Sheet  
January 2018

## ***History of the Dam:***

Tibble Fork Dam is located in the Uinta-Wasatch-Cache National Forest south of Salt Lake City. The dam was originally constructed in 1966 by the North Utah County Water Conservancy District with the assistance of the Natural Resources Conservation Service (NRCS) Watershed Program.

The dam provides flood protection for several cities downstream and the lake provides a water supply and is a very popular recreational area.



Tibble Fork Dam after completion of rehabilitation project.

## **Why Rehabilitate the Dam?**

The dam no longer met the current dam safety standards and because of the risk of loss of lives downstream if the dam failed it was rehabilitated to current safety standards and to extend its life and benefits for another 71 years. Rehabilitating the dam also provided the opportunity to double the size of the surface area of the lake. Work on the project started in 2016 and was completed in 2017.

## ***Rehabilitation Details:***

The project consisted of:

- Raised the dam crest 15 feet
- Placed additional earth fill on the downstream face for stability with an access road on top
- Replaced the existing auxiliary spillway with a concrete/covered box inlet and raised it 13 feet
- Installed a new toe drain at downstream toe of the dam to convey seepage water
- Extended seepage monitoring piping (piezometers) to account for increase in dam height

- Increased the reservoir (water surface) area from 9.8 acres to 21.6 acres
- Replaced the low-level outlet gate and repaired the outlet riser; and extend 40 feet to connect to stream
- Cleared/grubbed approximately 13.5 acres on the dam and around reservoir
- Added 120 to 180 acre-feet of water storage capacity
- Parking area was altered from 83 spaces to 60 passenger vehicle space and 25 truck/trailer spaces

## ***Project Cost:***

The rehabilitation of the dam cost \$7,335,000 of which NRCS provided \$5,032,500 and local sponsors provided \$2,302,500. NRCS also provided engineering and other technical services for the project and sponsors provided easements and permits.

## ***Benefits:***

The dam provides flood protection for cities and rural areas downstream that includes 140 houses, 2 schools, 4 businesses, and 3 highways. The lake provides water supplies, recreational areas for hiking and fishing, fish and wildlife habitat, and sediment retention.

## ***Partners:***

North Utah County Water Conservancy District  
USDA Natural Resources Conservation Service  
U.S. Forest Service

## ***For More Information Contact:***

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