

# Battle Creek Debris Basin Rehabilitation Project Utah County, Utah

**Fact Sheet**  
July 2019

## ***History of the Debris Basin:***

The Battle Creek Debris Basin is in the American Fork-Dry-Creek Watershed and was constructed in 1961 by the North Utah County Water Conservancy District (NUCWD) with assistance from the Natural Resources Conservation Service (NRCS) to collect sediment from the watershed.



Rehabilitation included raising the crest of the dam by two feet and replacing the auxiliary spillway with a concrete labyrinth weir.

## **Why Rehabilitate the Dam?**

The dam was rehabilitated to meet the current NRCS and Utah Dam Safety engineering and performance criteria and to extend the life of the dam 100 years.

The dam is classified as a high hazard because a failure of the dam could cause loss of life and property downstream.

## ***Rehabilitation Details:***

The rehabilitation project included improving the embankment slope, adding a toe drain, raising the crest of the dam by two feet, adding rock riprap to the outlet channel, replacing the principal spillway outlet structure with improved concrete structure and trash rack, repairing sections of the existing outlet discharge pipe and removing three feet of sediment from the basin area.

## ***Project Cost:***

The total cost for the rehabilitation project was \$2,233,446. NRCS provided technical assistance and 65 percent of the construction cost. The Utah State Division of Water Resources, with funds prioritized through the State Legislature paid 30 percent of the cost and the NUCWD paid five percent of the cost.

Federal funds for the project were provided through the NRCS Watershed Rehabilitation Program funds.

## ***Benefits:***

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

The City of Pleasant Grove will benefit from the project by continued flood protection, sediment retention and ground water infiltration benefits. Over 10,000 residents, 469 businesses, two schools, and two highways will be protected from flooding. The average annual benefits total \$32,000

## ***Partners:***

North Utah County Water Conservancy District  
USDA Natural Resources Conservation Service

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

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