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## **Battle Creek and Grove Creek Dam Rehabilitation Project** **Local, State and Federal Partnership Work Together for Dam Safety**

SALT LAKE CITY, Utah – The North Utah County Water Conservancy District in conjunction with the USDA Natural Resources Conservation Service (NRCS) announced the completion of major rehabilitation construction projects on the Battle Creek Debris Basin dam and Grove Creek Debris Basin dam nestled along the Wasatch front in Utah County.

Battle Creek Debris Basin was built in 1961 and Grove Creek Debris Basin in 1963, both dams were rehabilitated under authority of the NRCS Small Watershed Rehabilitation Program. “The success of upgrading the dams to meet current engineering and safety regulations is due to the great partnership between the local North Utah County Water Conservancy District (NUCWCD), NRCS, state agencies, and local community leadership to implement a project that will provide flood protection and water infiltration benefits for years to come,” said Bronson Smart, NRCS state conservation engineer. “These dams are the silent sentinels that for the last 50 years have provided flood protection to nearly 20,000 people, thousands of homes and businesses in Pleasant Grove.”

With a combined investment of \$ 4,551,605, four years of planning and one year of construction work, the NUCWCD and NRCS extended the life of these structures 100 years, raised the top of the dams to increase the sediment storage, excavated sediment from the basin, replaced the auxiliary spillways with concrete labyrinth spillways and upgraded other features of the dams. The rehabilitation of the dams vastly improved the ease of operating the dams and long-term safety.

The cities of Pleasant Grove and American Fork are beneficiaries of the work with continued flood prevention, sediment retention and ground water infiltration benefits. RB&G Engineering from Provo, Utah was the project engineer and Gerber Construction from Lehi, Utah was the construction contractor on the projects.

NRCS provided 65 percent of the construction funds and 100 percent of the engineering and technical assistance funds. The Utah State Division of Water Resources, with funds prioritized through the State Legislature to pay 30 percent, and the NUCWD to paid 5 percent of the construction costs of project as well as perform the work to coordinate the project. Smart noted that “one of the best elements of these rehabilitation projects is the outstanding partnership with the State of Utah which helps these local dam owners meet their 35 percent cost-share requirement of the project”.



*Battle Creek Dam - looking downstream at the auxiliary spillway (labyrinth weir) to Pleasant Grove City*



*Battle Creek - looking upstream - auxiliary spillway*