

## HISTORIC AMERICAN ENGINEERING RECORD

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DEER CREEK DAM, DAM

HAER UT-93-A

1,204 feet/238 degrees from intersection of dam complex access road and U.S. Highway 189 to center of dam, 874 feet/352 degrees from Hydroelectric Powerplant (HAER UT-93-B) to center of dam  
Charleston vicinity  
Wasatch County  
Utah

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Gianfranco Archimede, photographer, November 2002

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|-----------|--|
| UT-93-A-1 | Overview of north dam embankment (reservoir side) and crest of dam looking south-southwest from west shoreline. Spillway intake structure is partly visible at center, right. The relocated tracks of the Heber Creeper Railroad are off frame to the right  |
| UT-93-A-2 | Overview of the north dam embankment (reservoir side) and crest of dam looking north-northwest from edge of U.S. Highway 189. Spillway intake structure is at center, right edge   |
| UT-93-A-3 | Overview of U.S. Highway 189 crossing the dam's crest looking south-southeast from the top of the spillway gate structure. The highway continues northeast toward Charleston and Heber City along the east bank of the reservoir. The concrete parapet wall on the left side of the highway is an original feature |
| UT-93-A-4 | Oblique view of the spillway intake structure (upstream side), spillway gates, and gate structure, looking southwest from the west dam abutment. See HAER UT-93-A-5 for more technical information on the spillway gates   |

- UT-93-A-5                    Oblique detail view of the spillway radial gates (upstream side) and gate structure, looking west-southwest from the east edge of the spillway intake structure. Each gate pivots on two fixed points of their arms secured into the gate structure. One arm is on the left edge of the photo. The gates are lifted by two chains attached to the top corners of each gate, and the chains are operated by four individual electric motors situated on the gate structure above the gates (see top of photograph)
- UT-93-A-6                    Oblique view of the spillway gate structure (downstream side), and the beginning of the open spillway chute looking northeast from the roadside parking area at the crest of the west dam abutment. The gate structure houses two radial spillway gates situated on the upstream side, not visible from this viewpoint. See HAER UT-93-A-5 for more technical information on the spillway gates.
- UT-93-A-7                    View of the spillway open chute and the spillway gate structure (downstream side), looking north from the access road's bridge over the spillway. See HAER UT-93-A-6 for more technical information on the spillway gate structure
- UT-93-A-8                    Overview of the spillway open chute, gate structure, and stilling basin (foreground) looking north. The access road bridge across the spillway is at center