

# HISTORIC AMERICAN ENGINEERING RECORD

## INDEX TO PHOTOGRAPHS

### DEER CREEK DAM

HAER UT-93

Spanning the Provo River at the intersection of U.S. Highway  
189 & Deer Creek Reservoir  
Charleston vicinity  
Wasatch County  
Utah

## INDEX TO BLACK AND WHITE PHOTOGRAPHS

- UT-93-1 Copy of "Provo River Nos. 1+2. Deer Creek Damsite Prior to clearing from axis of dam on right abutment. September 1937." From *Project History: Provo River Project-Utah, Deer Creek Division, 1937 Vol. II*, (Provo, UT: Bureau of Reclamation) Page 37. Photographer unknown
- UT-93-2 Copy of "Provo River No. 95. Looking north over corner of valve house substructure, walls completed to elevation 5,286. December 29, 1938." From *Project History: Provo River Project-Utah, Deer Creek Division, 1938 Vol. III*, (Provo, UT: Bureau of Reclamation) Page 70. Photographer unknown
- UT-93-3 Copy of "Provo River No. 138. First Provo River water flows through intake structure into diversion tunnel. May 30, 1939." From *Project History: Provo River Project-Utah, Deer Creek Division, 1939 Vol. IV*, (Provo, UT: Bureau of Reclamation) Page 26. Photographer unknown
- UT-93-4 Copy of "Provo River Nos. 222+223. Panorama of dam area from axis station 16-50. October 26, 1939." From *Project History: Provo River Project-Utah, Deer Creek Division, 1939 Vol. IV*, (Provo, UT: Bureau of Reclamation) Page 21. Photographer unknown
- UT-93-5 Copy of "Provo River No. 460. Valve house substructure with outlet pipes installed prior to placing concrete pipe anchor. Gravel covered pipe drain outlet installed left side of valve house structure. November 28, 1940." From *Project History: Provo River Project-Utah, Deer Creek Division, 1940 Vol. V*, (Provo, UT: Bureau of Reclamation) Page 86. Photographer unknown
- UT-93-6 Copy of "Provo River No. 463. Placing backfill against right side of spillway gate structure, Deer Creek Dam. November 8, 1940." From *Project History: Provo River Project-Utah, Deer Creek Division, 1940 Vol. V*, (Provo, UT: Bureau of Reclamation) Page 98. Photographer unknown

- UT-93-7 Copy of "Provo River No. 458. View of downstream slope of dam. Valve house structure and outlet works stilling basin in foreground, spillway in left background. November 28, 1940." From *Project History: Provo River Project-Utah, Deer Creek Division, 1940 Vol. V*, (Provo, UT: Bureau of Reclamation) Page 73. Photographer unknown
- UT-93-8 Copy of "Provo River No. 578. Placing concrete in floor slab section of spillway chute. Looking downstream from highway bridge. August 8, 1941." From *Project History: Provo River Project-Utah, Deer Creek Division, 1941 Vol. VI*, (Provo, UT: Bureau of Reclamation) Page 82. Photographer unknown
- UT-93-9 Copy of "Provo River No. 611. View of completed Deer Creek Dam from right abutment. Relocated State Highway crosses the canyon on the crest of the dam. November 7, 1941." From *Project History: Provo River Project-Utah, Deer Creek Division, 1941 Vol. VI*, (Provo, UT: Bureau of Reclamation) Page 24. Photographer unknown
- UT-93-10 Copy of "Frontispiece: Provo River No. 614. Completed Deer Creek Dam from High Point on left canyon wall. November 28, 1941." From *Project History: Provo River Project-Utah, Deer Creek Division, 1941 Vol. VI*, (Provo, UT: Bureau of Reclamation) Page 2. Photographer unknown
- UT-93-11 Copy of "P244-400-5055A Deer Creek Dam, Provo River Project--Utah. Aerial view looking upstream at the Deer Creek Dam which is located on the Provo River about sixteen miles northeast of Provo, Utah. This dam, completed in 1941, forms a reservoir of 152,000 acre feet. It stores Provo River flood waters, surplus water of the Weber River diverted by the six mile long Duchesne Tunnel. The water stored in this reservoir generates power in the plant at the base of the dam, provides irrigation water for downstream lands, and provides supplemental domestic water supply for the metropolitan water districts of Salt Lake City, Provo, Orem, Pleasant Grove, Linden, American Fork, and Lehi. 7/16/68" From negative no. P244-400-5055A in Bureau of Reclamation permanent photograph collection at Salt Lake City, Utah. Mel Davis, photographer
- UT-93-12 Copy of "P244-408-2605--Provo River Project, Utah. Aerial view showing Deer Creek Dam and Reservoir and the newly constructed power house. 7/1/58" From negative no. P244-408-2605 in Bureau of Reclamation permanent photograph collection at Salt Lake City, Utah. Stan Rasmussen, photographer
- Gianfranco Archimede, photographer, November 2002
- UT-93-13 Overview of the north side of the dam complex, spillway chute, stilling basin, and canal, looking south from top level of the spillway gate structure. the Deer Creek Power Plant is on the left. The low gray structure

left of center is the new dam office building, and the structure at the center is the chlorination building. The paved access road and bridge over the spillway are in the foreground. The spillway canal running between the stilling basin and the Provo River in the distance is right of center. The temporary highway diversion of 1939 is above the power plant

- UT-93-14 Overview of the north side of the dam complex and historic tree line along the spillway canal (right edge), looking south. The Deer Creek Power Plant is partly visible on the left edge behind the pine tree. The low gray structure left of center is the new dam office building, and the structure on the right of center is the chlorination building. The tree line of Russian olive trees on the right edge runs along the east side of the spillway canal. The field and the tree line are part of the original dam complex
- UT-93-15 Overview of the Deer Creek Dam complex, tailrace, and spillway looking north-northwest from the 1939 temporary highway diversion along the east side of the canyon overlooking the dam complex. The tailrace regulating gates are at the bottom left corner, and the canal from the stilling basin to the Provo River is behind the pine trees on the left side. The paved access road from the complex across the spillway bridge and up the U.S. Highway 189 is also visible. The dam complex has been altered from its original layout with the installation of new intake control gates for the Salt Lake Aqueduct around 1995. The new gate structure is on the left end of the tailrace. The original gate works are near the power plant on the right. The structure on the left is the chlorination building. The structure right of center is the Dam Keeper's Office and the vehicle/storage facility. The structure off the right edge is the Deer Creek Power Plant. See photographs HAER UT-93-16, HAER UT-93-B-1, HAER UT-93-B-2, HAER UT-93-D-1, and HAER UT-93-f-1 for more technical information on the dam complex structures
- UT-93-16 Oblique view of the south side of the Deer Creek Hydropower Plant and switching station looking east-southeast from the chlorination building. The temporary diversion highway constructed during 1938 and 1939 runs above center across the frame in the background. The electric hoist and its framework on the west side of the tailrace was used for opening the original aqueduct inlet gate situated in the bottom of the tailrace basin. This gate is obsolete and is no longer used
- UT-93-17 Overview of South Dam embankment (downstream side) and crest of dam looking northeast from edge of U.S. Highway 189. Spillway gate structure and spillway chute are at left edge. A portion of the dam complex is on the right
- UT-93-18 Overview of South Dam embankment (downstream side) and crest of dam looking north-northeast from edge of temporary highway near the east dam abutment. Spillway gate structure, spillway chute, bridge, and access

road are on the left side. Deer Creek Hydropower Plant and tailrace are in center foreground

UT-93-19 Overview of South Dam embankment (downstream side) and crest of dam looking northwest from edge of temporary highway on top of the east dam abutment. Spillway gate structure, spillway chute, and bridge are right of center. The end of the spillway chute is at the left edge. The area left of the spillway chute is the downstream portion of the west dam abutment. The strips on the dam embankment where the riprap has been removed are for recent dam foundation testing and seismic monitoring. Dam complex is just off frame to the left

UT-93-20 View of South Dam embankment (downstream side), east dam abutment, and the south side of the dam complex, looking east-northeast from the edge of U.S. Highway 189. The downstream side of the east dam abutment is the vegetated area right of where the embankment riprap ends. The temporary highway across the east dam abutment is at level with the dam's crest. The tailrace regulating gates are below center and right. The power plant is at right center, directly above the gates. The structure just left of the power plant are the Salt Lake Aqueduct inlet regulating gates. Left of center is the chlorination building. The canal between the spillway stilling basin and the Provo River is below center, running from the left edge to the regulating gate structure. The Provo River begins at the gate structure