



## **Ivins Dams 1-6 Rehabilitation**

### **National Environmental Policy Act (NEPA) Public Scoping Project Description**

The Natural Resources Conservation Service (NRCS) is analyzing alternatives to rehabilitate Ivins Dams 1-6 located in Ivins City and Washington County. The purpose of the project is to upgrade the structures to meet current Utah Dam Safety regulations, NRCS engineering standards, stabilize the existing dam structures, and remove accumulated sediment in the reservoirs. NRCS performed an assessment of Ivins Dams in 2005 which concluded that the Ivins Dams do not meet current Utah State Dam Safety regulations and NRCS Engineering standards for a Class “C” dam (potential “Loss of Life”). The life of the dams would be extended for a minimum of 50 years and a maximum of 100 years. The project would also restore the design storage capacity in the reservoir by possibly raising the height of the spillway, enlarging the spillway to pass the Probable Maximum Flood, and provide slope stability during seismic events.

The NRCS is analyzing alternatives to rehabilitate the dam and conceptual alternatives that have been identified include the following:

- No Action: The dams would be left in its existing condition.
- Dams Decommissioning: Completely remove the dams and restore the sites back to their natural condition.
- Dams Rehabilitation: Repair the dams infrastructure to meet current Utah State Dam Safety regulations and NRCS Engineering standards. Restore the original reservoir storage capacity. (minimum of 50-yr evaluated life)
- Recreation: Include recreation components in the rehabilitation of the dams.
- Habitat Improvements: Improve habitat for sensitive species at the dam sites.
- Other Alternatives: Other alternatives identified by the agencies, public and project team during scoping will be analyzed during the NEPA process to rehabilitate the diversion.

### **NEPA Analysis**

This project is being partially funded by the NRCS Small Watershed Rehabilitation Amendments (PL 106-472) which authorizes funding and technical assistance to rehabilitate aging flood control dams built under the Small Watershed Program (PL83-566). NRCS, as the lead federal agency, is initiating NEPA analysis in the form of a Supplemental Watershed Plan and Environmental Assessment to analyze impacts to the natural and human environment from this project. The Environmental Assessment will comply with the Council on Environmental Quality’s regulations at 40 CFR Parts 1500-1508 which require an evaluation of potential environmental impacts associated with federal projects and actions. The project sponsor is Ivins City, Utah County and the dams are located on land owned by Utah State, Washington County, Ivins City and private residences.

### **For Further Information:**

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<http://www.nrcs.usda.gov/wps/portal/nrcs/main/ut/programs/planning/wr/>

Figure 1: Ivins Dams Vicinity Map

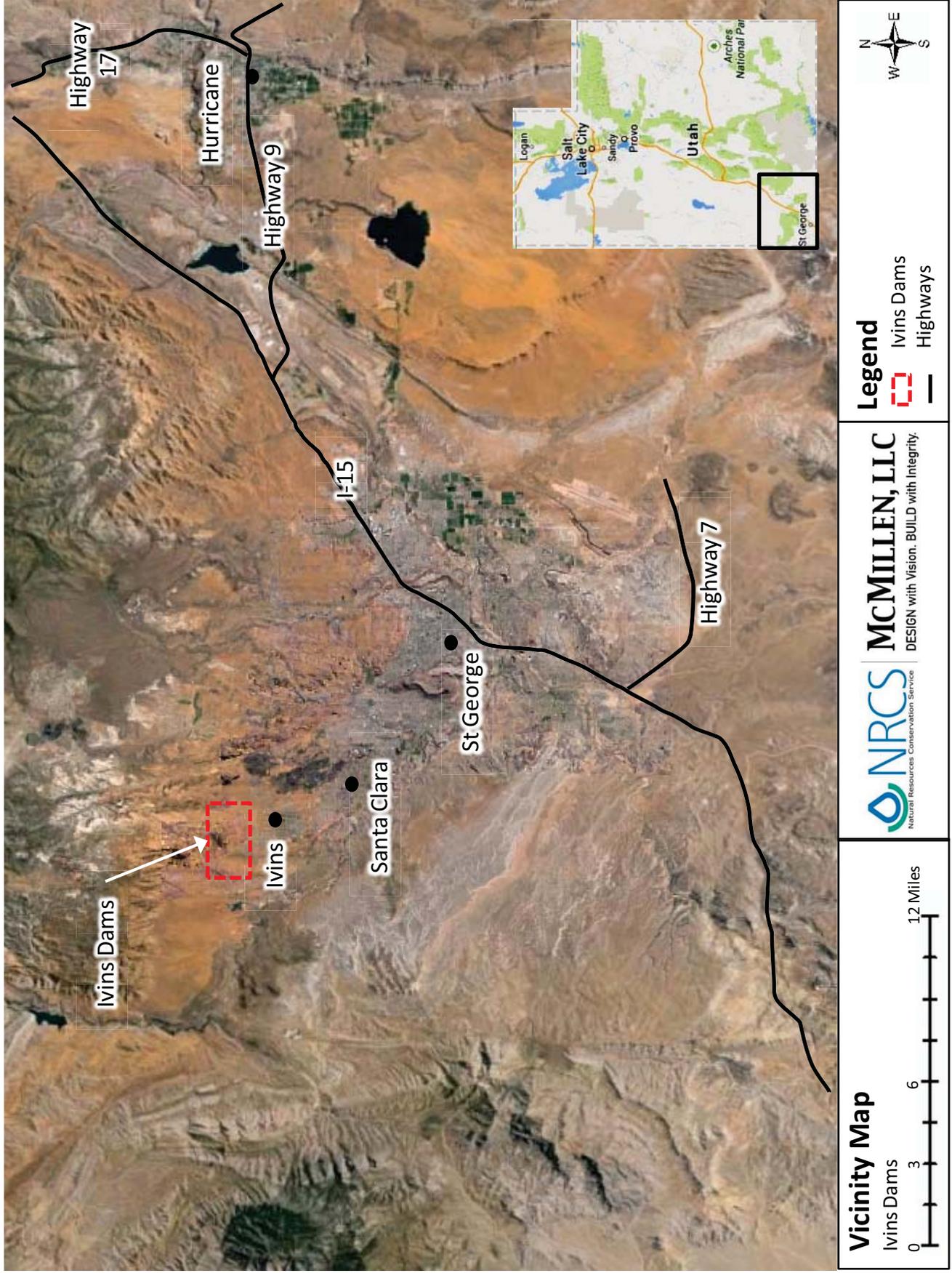
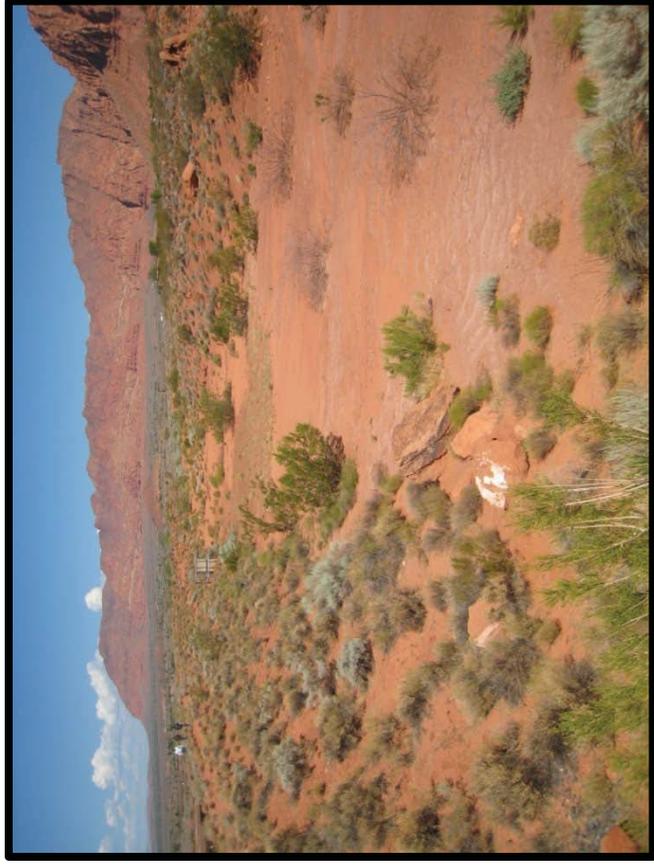


Figure 2: Ivins Dams Project Map



# Photos

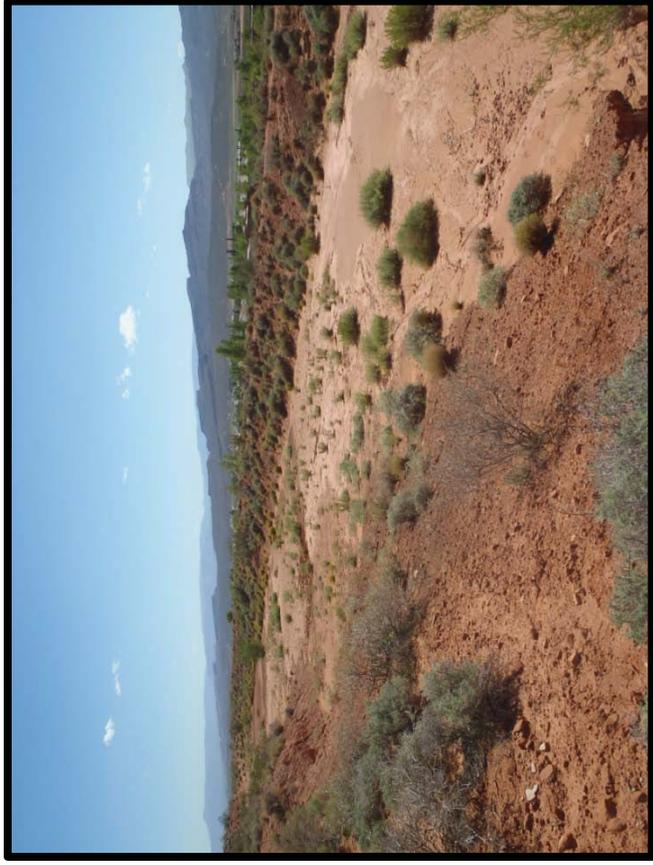


Ivins Dam 1 Reservoir

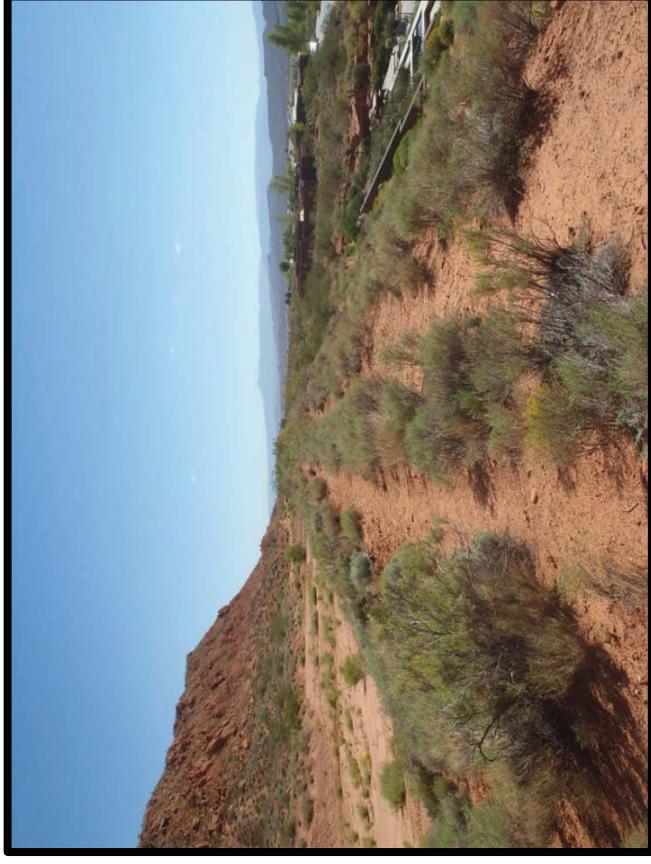


Ivins Dam 1

# Photos

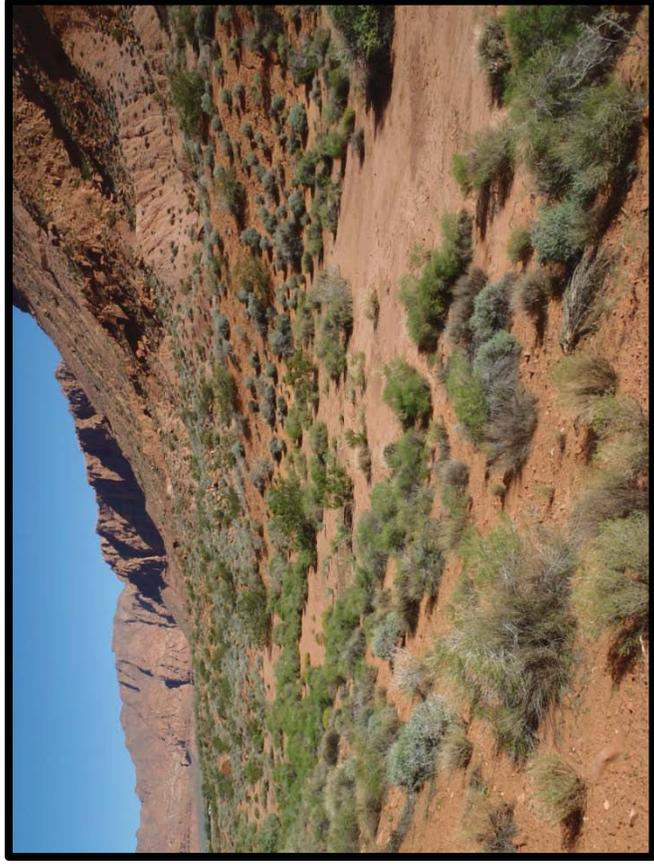


Ivins Dam 2 Reservoir



Ivins Dam 2

# Photos

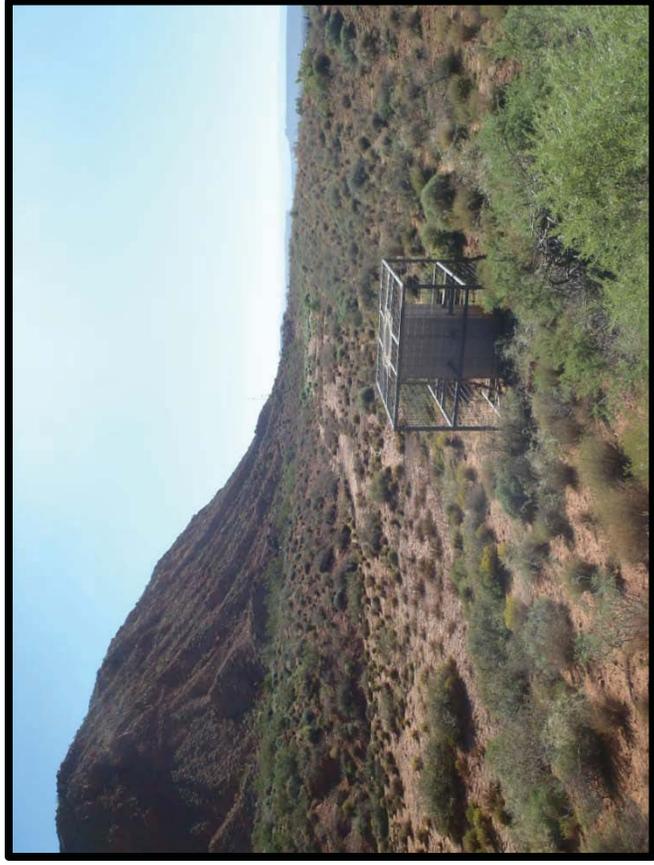


Ivins Dam 3 Reservoir

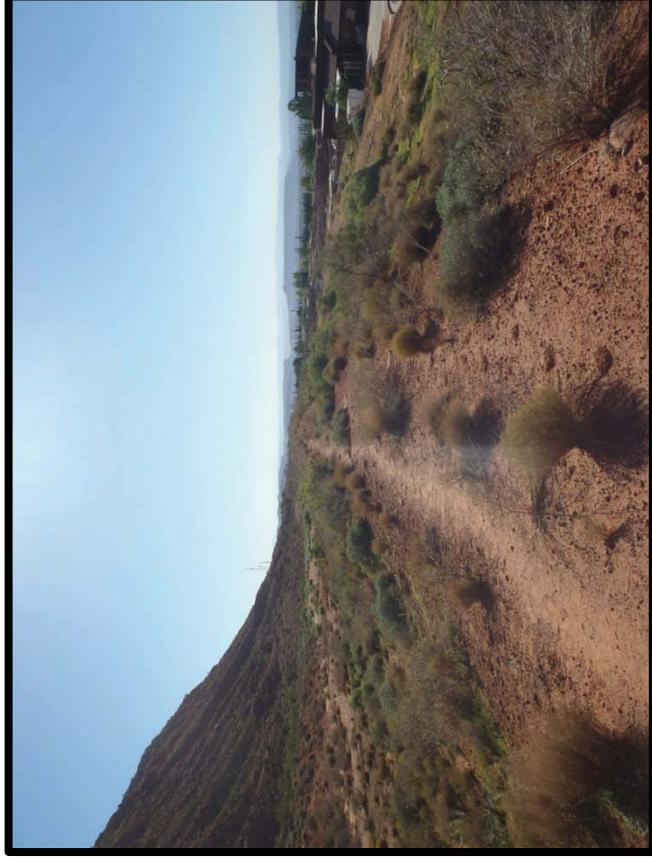


Ivins Dam 3

# Photos

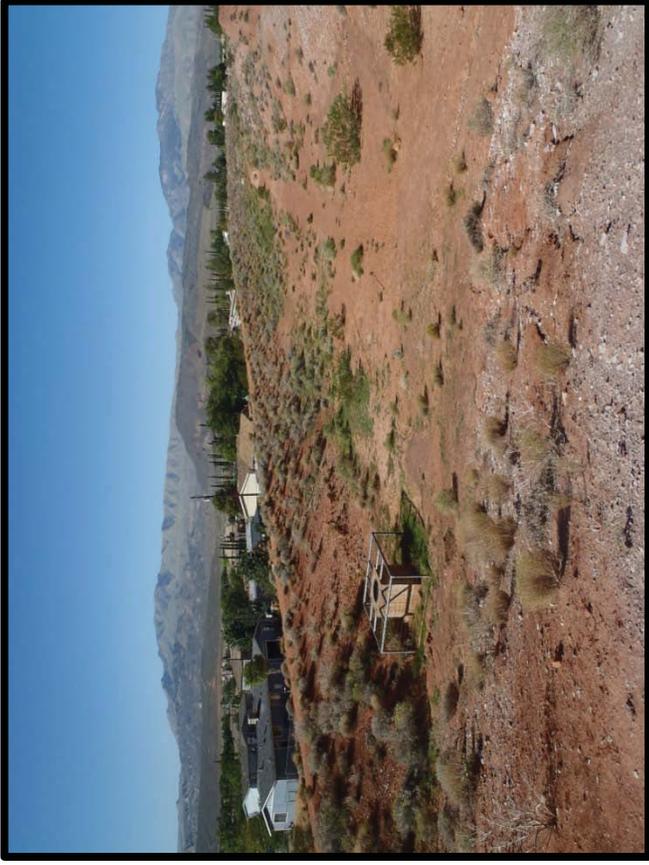


Ivins Dam 4 Reservoir

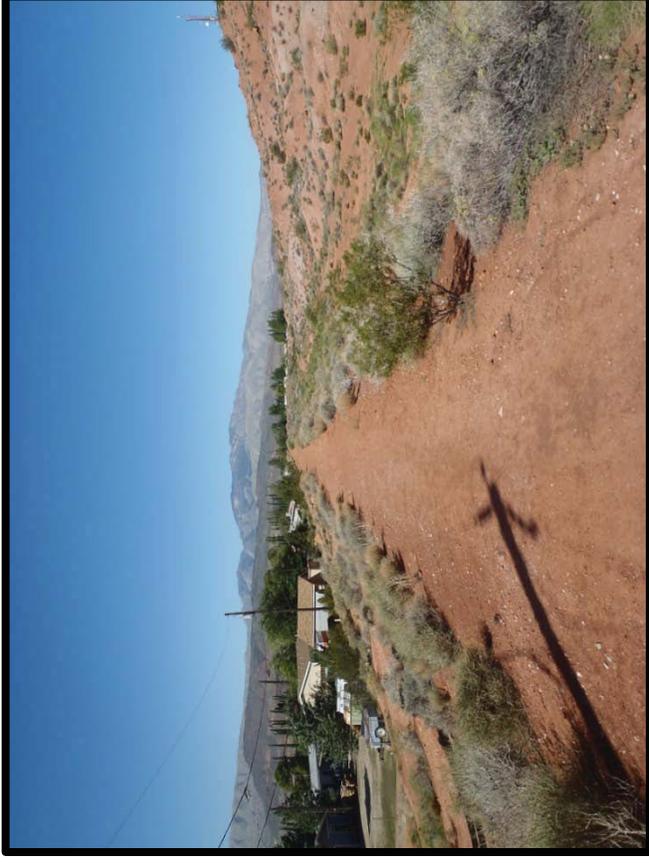


Ivins Dam 4

# Photos

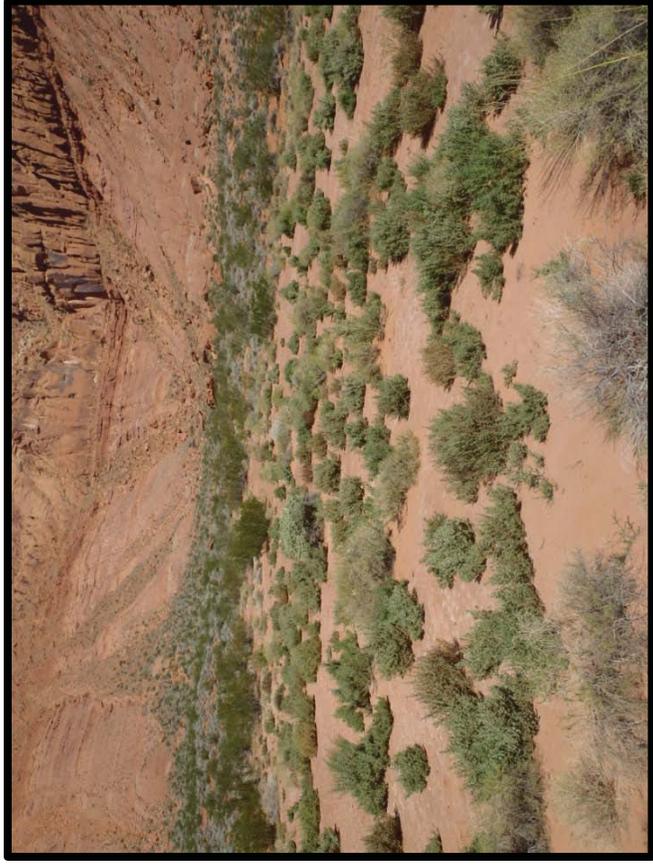


Ivins Dam 5 Reservoir

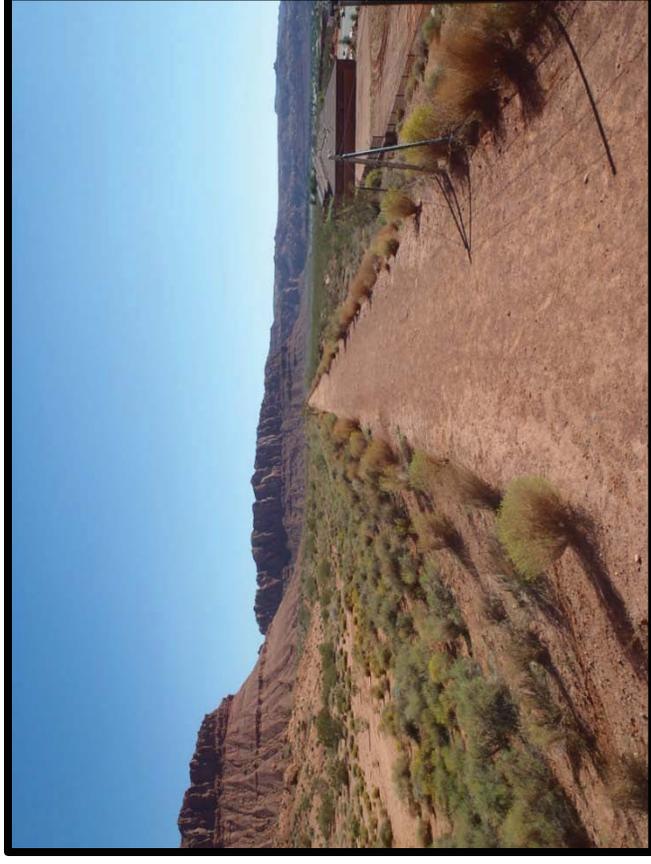


Ivins Dam 5

# Photos



Ivins Dam 6 Reservoir



Ivins Dam 6

# Photos



Typical Principle Spillway



Typical Auxiliary Spillway