**Introduction**
Utah Congressional District: 3
Dam is within the Ferron Watershed
Dam built in 1971.

**Sponsoring Local Organization**
Ferron Canal & Reservoir Company
- Total Sponsor Cost: $9,800,000*
- Total Federal Cost: $18,200,000
- Total Project Cost: $28,000,000

* $8,820,000 from the State of Utah.

**Rehabilitation Project Benefits**

<table>
<thead>
<tr>
<th>Number of lives protected:</th>
<th>Number of homes protected:</th>
<th>Number of businesses protected:</th>
<th>Number of Schools:</th>
<th>Number of Highways:</th>
<th>Number of Infrastructures:</th>
</tr>
</thead>
<tbody>
<tr>
<td>285</td>
<td>95</td>
<td>10</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

**Benefit of the Dam to the Community:**
Direct benefits of this rehabilitation project are realized by Carbon and Emery Counties and the city of Ferron, Utah predominantly through the use of stored irrigation and culinary water, and as a source of recreation for fishing, camping and golfing. The Hunter power plant receives part of its water needs through a pipeline from the reservoir. The dam also provides flood damage reduction and sediment retention benefits. The average annual benefits for rehabilitation total to about $1,673,000.

**Summary - Dam Rehabilitation Measures**
- Demolish the existing concrete box inlet auxiliary spillway and replace with a concrete labyrinth weir structure with capacity to safely pass flows up to 31,000 cubic feet per second (cfs) and raise the inlet elevation by four feet.
- Placement of an additional 4 feet of compacted earthen material to the top (crest) of the dam.
- Install a 102 feet wide by 35 feet tall by 300 feet long stability berm at the northern downstream toe of the dam.
- Addition of 9,000 cubic yards of rock rip-rap to the upstream face of the dam.
- Install instrumentation for long-term monitoring of the Zone III embankment material phreatic water line.
- Install an auxiliary gate control for backup of the existing gate operation.
- Extend the steel 54-inch diameter principal spillway outlet pipe 100 feet and rebuild the associated outlet works.
- Replace the 8-inch diameter steel water pipe in the outlet gallery. This pipe is currently used by Ferron City for drinking water.
- Excavate and reconstruct the downstream face of the dam with earth fill and install a new toe drain.
- Placement of a small berm in the Millsite State Park campground to provide additional freeboard protection of 7 campsites for the periods when the reservoir is at the auxiliary crest elevation.
- Update of the existing Emergency Action Plan.