

NRCS Ivins Dams 1-6 Rehabilitation Supplemental Watershed Plan and Environmental Assessment

Public Scoping Meeting
September 26, 2013



Project Team

Natural Resources Conservation Service
(NRCS)
Lead Funding Agency

Ivins City
Project Sponsor

McMillen, LLC
NEPA Project Manager/Concept Design

Project Review



Dan Axness – McMillen, LLC
– Concept Design Project Manager

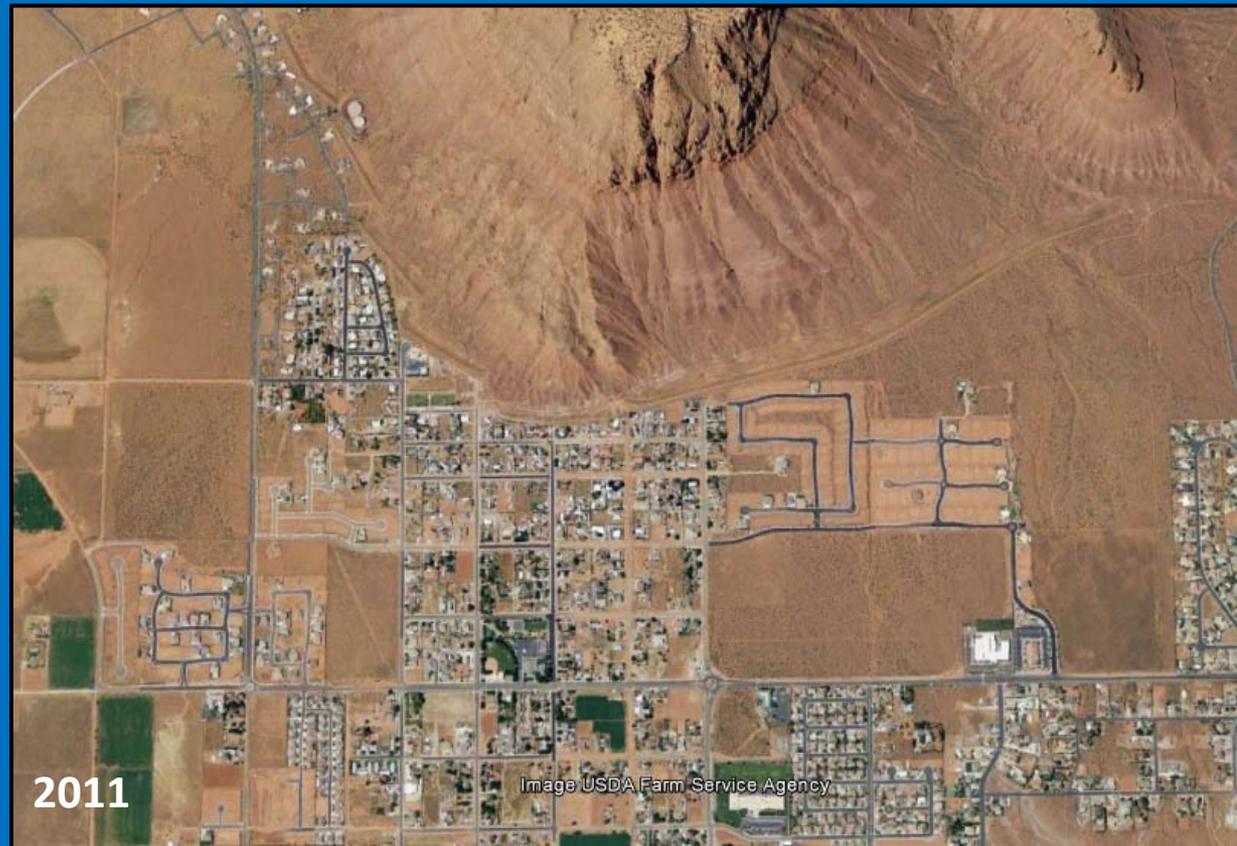
Ivins Dams History

- Completed in 1975
- Originally Classified as a Class “B” Significant Hazard Site
- Originally Designed as a Debris Basin
 - Flood Retention
 - Sediment Retention
- 50-year life



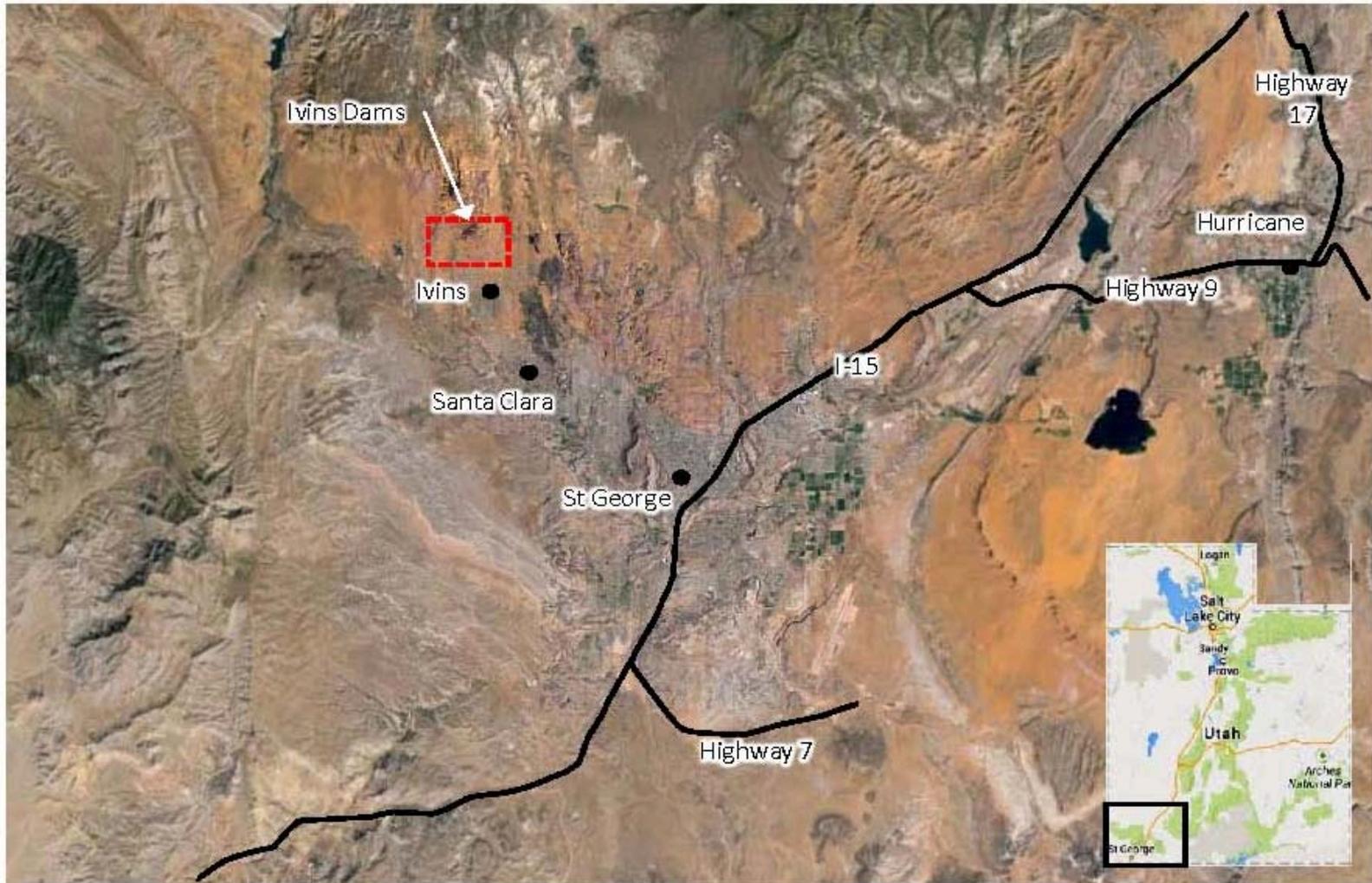
Ivins Dams History

- Later Reclassified to a Class “C” High Hazard Dam Due to Downslope Development

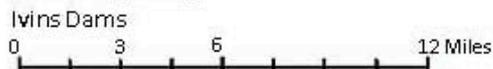


Project Vicinity Map

Figure 1: Ivins Dams Vicinity Map



Vicinity Map



McMILLEN, LLC
DESIGN with Vision. BUILD with Integrity.

Legend

- Ivins Dams
- Highways



Project Purpose and Need

- Meet Utah Dam Safety Regulations and Engineering Standards
- Extend the Life of the Dam
- Continue to Provide Reduced Flood Damage & Sediment Retention

Project Map

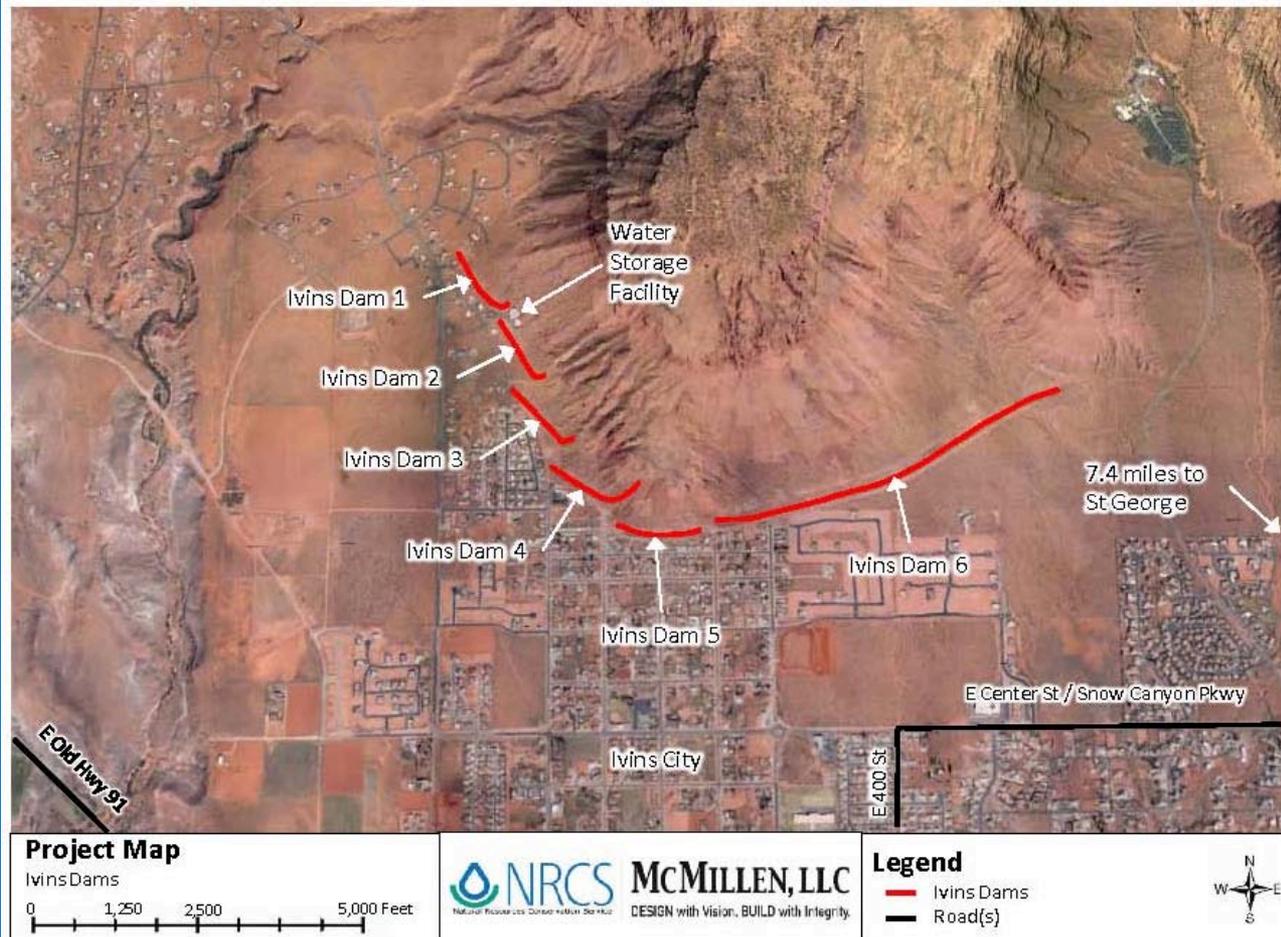
Project Concerns

-Dam Capacity

-Sediment Accumulation

-Dam Stability

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



Steep Hillside above Ivins Dam 6



Steep Hillside above Ivins Dam 1 and 2

Photos



Typical Principle Spillway



Typical Auxiliary Spillway

Conceptual Project Alternatives

- No Action
- Dam Decommissioning
- Dam Rehabilitation
- Sediment Removal
- Recreation
- Other Alternatives

Conceptual Project Alternatives

- Dam Rehabilitation Options
 - Stability Berm on Downstream Side
 - Raise Dam
 - Replace Existing
 - Construct New



Construction Operations

- Monday-Friday (Excluding Federal, State, and Local Holidays)
- Preliminary Construction Schedule
 - Start: Fall 2016
 - End: Spring 2017

National Environmental Policy Act



<http://www.ut.nrcs.usda.gov/programs/pl566.html>

Greg Allington – McMillen, LLC
– NEPA Project Manager

National Environmental Policy Act (NEPA) of 1969
(Public Law 91-190) and the Council on Environmental
Qualities regulations at 40 CFR Parts 1500-1508

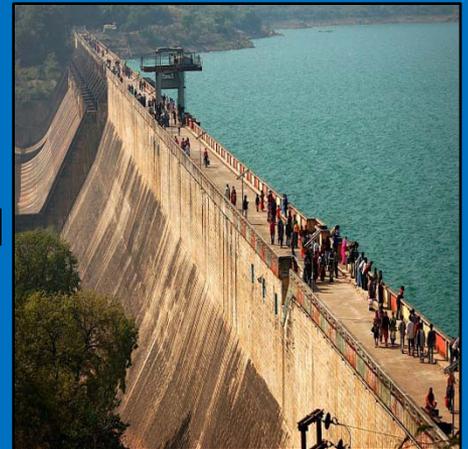
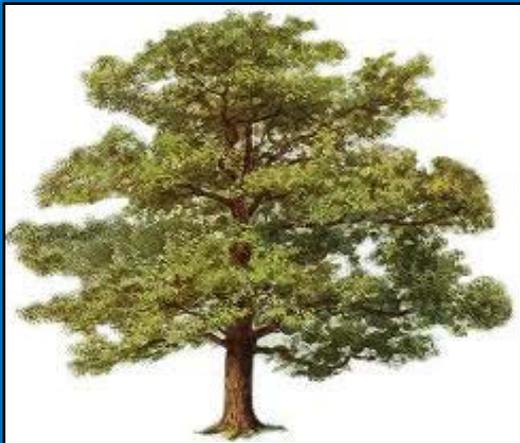
NRCS NEPA

- Environmental analysis required for major federal actions.
- The NRCS is the funding agency for the dam rehabilitation project (65%).
- The project sponsor provides the remaining 35% cost-share for the dam rehabilitation project.



NEPA Requirements

- Environmental Assessment (EA)
 - NRCS NEPA requirements
 - Analysis looks at potential impacts to the natural and man-made environment



NEPA Requirements

- NEPA Process
 - Scoping
 - Express initial concerns and suggest alternatives to be considered
 - Draft EA
 - Public review of alternatives and environmental impacts
 - Final EA
 - Proposed alternative published to public
 - Finding of No Significant Impact (FONSI)
 - Project approval by NRCS

Typical Scoping Concerns

- Project Purpose and Need
- Design Alternatives Include
 - A No-Action Alternative
 - Dam Decommissioning Alternative
 - Action Alternatives
- Natural Environment
- Man-made Environment
- Mitigation



Scoping Comments

- Formal comments may be submitted by:
 - Email
 - Written Letter
 - Comment Card
 - Oral
- Scoping Report: Summarizes issues, alternatives and concerns from the public



Schedule

- NEPA Environmental Assessment
 - Start: August 2013
 - **Public Scoping Comment End: October 14, 2013**
 - Draft EA Public Comment: April 2014
 - FONSI: Summer 2014



NEPA Contact Information

- Please contact Dan Axness or Greg Allington with McMillen with questions and comments:



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Questions

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Ivins Dams 1-6

