

NRCS Dry Creek Debris Basin Rehabilitation Supplemental Watershed Plan and Environmental Assessment

Public Scoping Meeting
September 23, 2013



Project Team

Natural Resources Conservation Service (NRCS)
Lead Funding Agency

North Utah County Water Conservancy District
(NUCWCD)
Project Sponsor

McMillen, LLC
NEPA Project Manager/Concept Design

Project Review



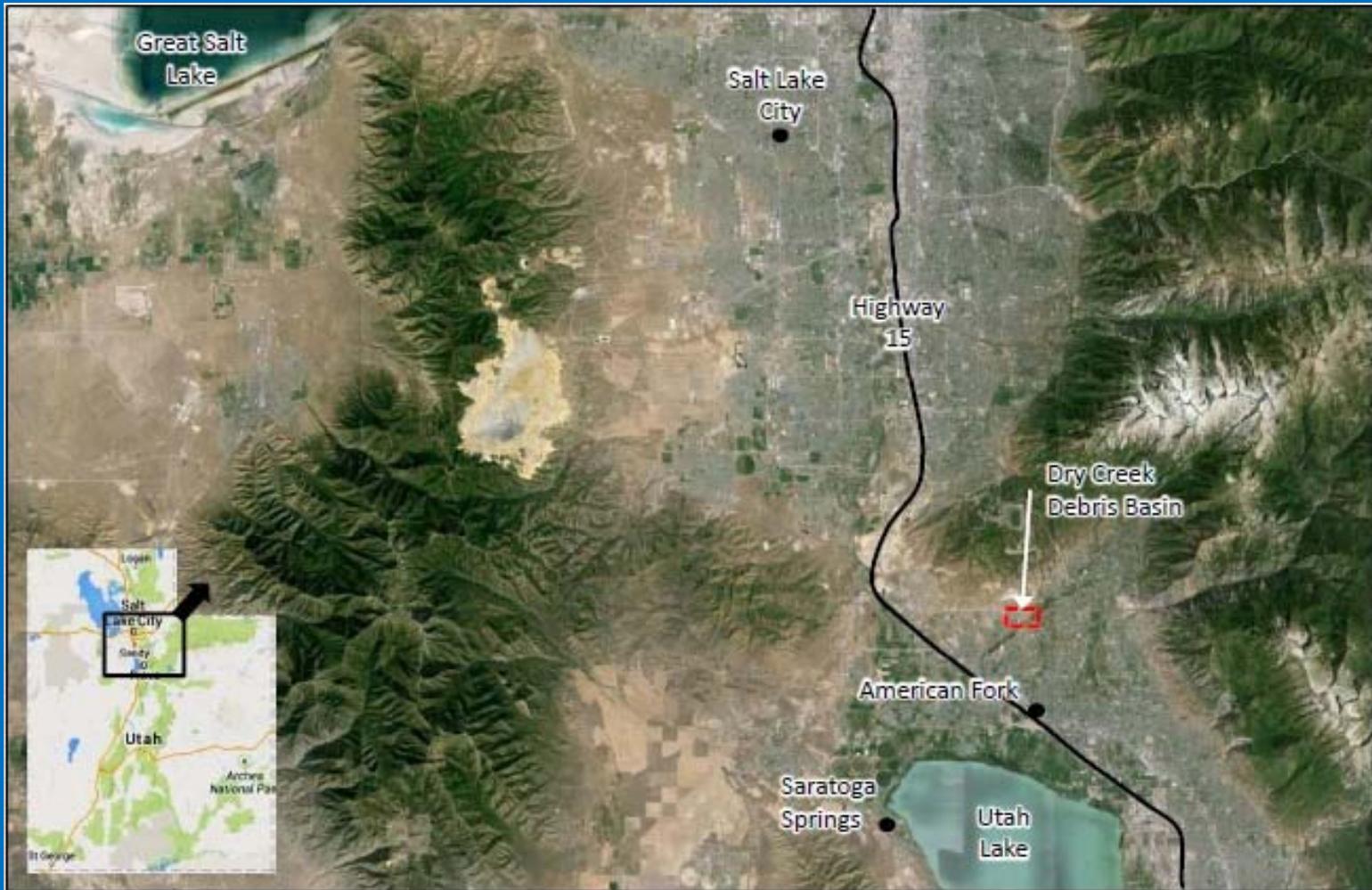
Dan Axness – McMillen, LLC
– Concept Design Project Manager

Dry Creek Debris Basin History

- Completed in 1964
- Classified as a Class “C” High Hazard Dams
- Originally Designed as a Debris Basin
 - Flood Retention
 - Sediment Retention
- 50-year life



Project Vicinity Map



Vicinity Map

Dry Creek Debris Basin



McMILLEN, LLC
DESIGN with Vision. BUILD with Integrity.

Legend

-  Debris Basin
-  Highway 15



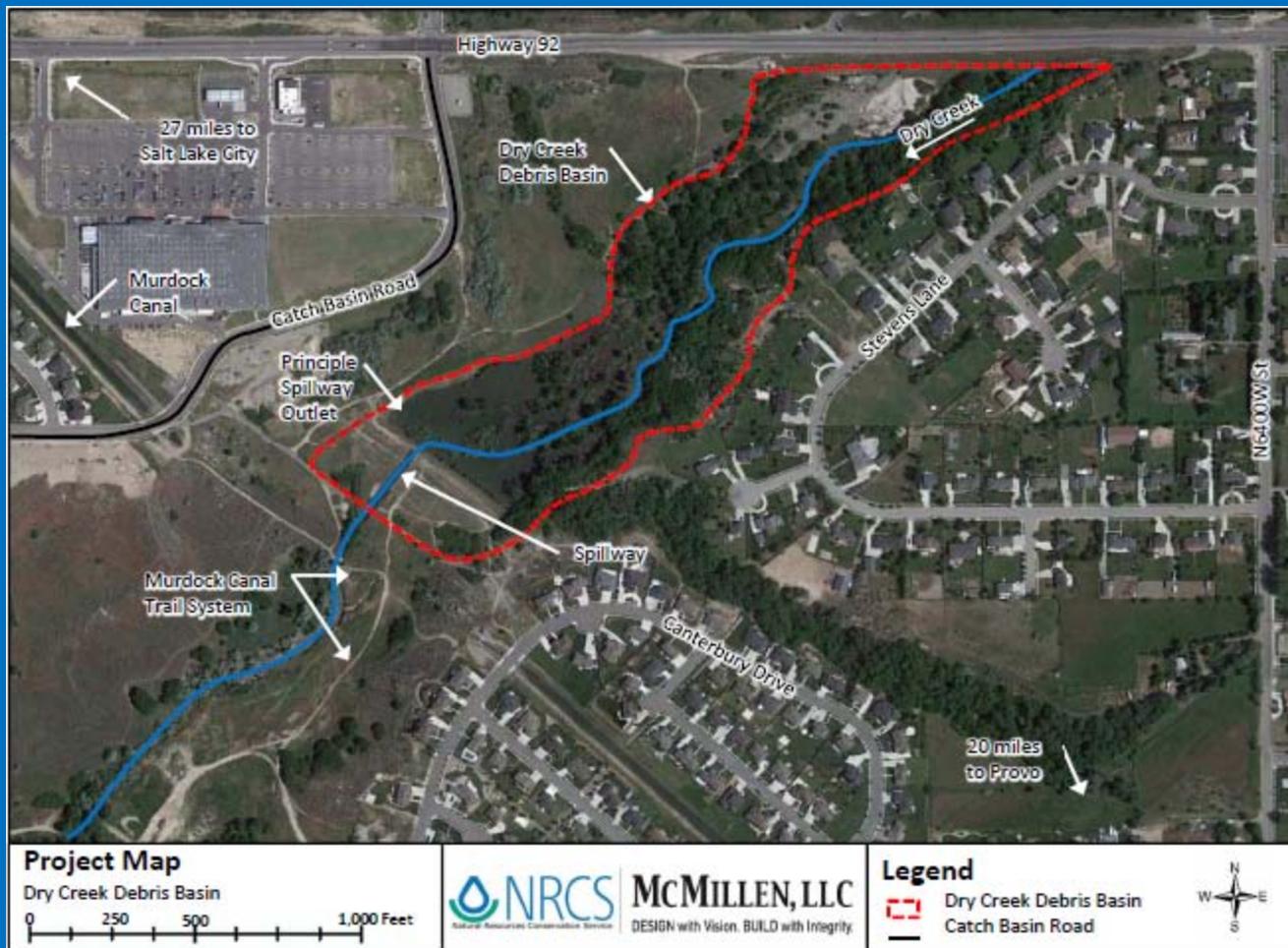
Project Purpose and Need

- Meet Utah Dam Safety Regulations and NRCS Engineering Standards
- Extend the Life of the Dam
- Increase Reservoir Storage Capacity

Dry Creek Debris Basin Project Map

Project Concerns

- Spillway Capacity
- Sediment in Reservoir
- Dam Stability
- Recreation



Photos



Debris Basin Pool Area



Debris Basin Dam and Pool Area

Photos



Emergency (Auxiliary) Spillway



Principal Spillway With Trash Rack

Photos



Measuring Device & Water Intake



Area Below Debris Basin

Conceptual Project Alternatives

- No Action
- Dam Decommissioning
- Dam Rehabilitation
 - Spillway Replacement
 - Raised Spillway
- Sediment Removal
- Recreation Improvements
- Other Alternatives???

Conceptual Project Alternatives

- Dam Rehabilitation Options
 - Stability Berm
 - Raise Dam
 - Replace Existing Spillway
 - Construct New Spillway



Construction Operations

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

National Environmental Policy Act



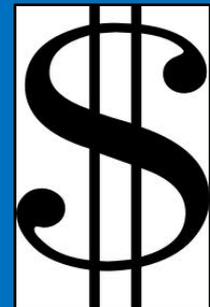
<http://www.ut.nrcs.usda.gov/programs/pl566.html>

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

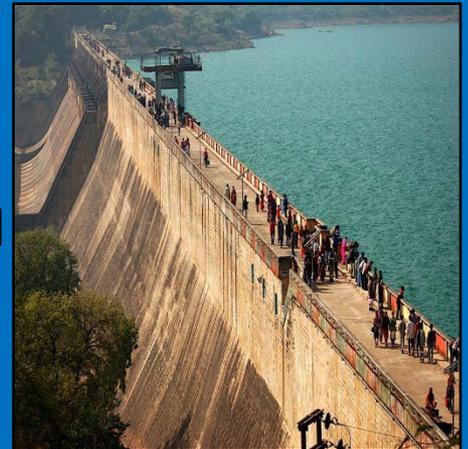
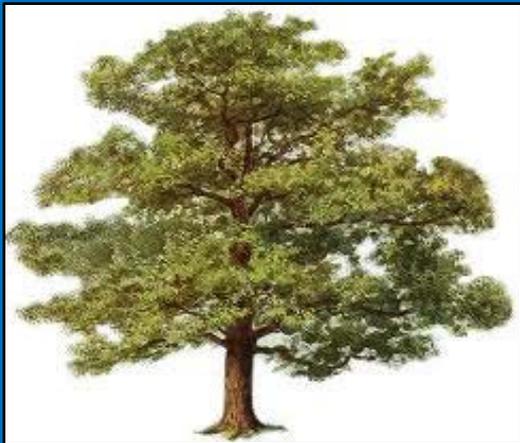
NRCS NEPA

- 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



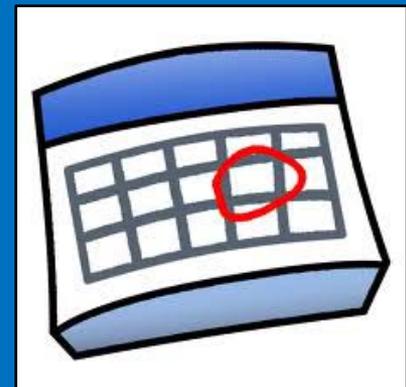
Scoping Comments

- 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 8, 2013**
 - Draft EA Public Comment: February 2014
 - FONSI: Spring 2014



NEPA Contact Information

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



Phone: 208-342-4214



Fax: 208-342-4216



Email: drycreek@mcmillen-llc.com



Address: 1401 Shoreline Drive
Boise, ID 83702

Questions

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Dry Creek Debris Basin

