

# NRCS Battle Creek & Grove Creek Rehabilitation Supplemental Watershed Plans and Environmental Assessments

Public Scoping Meeting  
September 19, 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



Bronson Smart, PE

- State Conservation Engineer

# Project Review



Dan Axness – McMillen, LLC  
– Concept Design Project Manager

# Battle Creek & Grove Creek Debris Basins History

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



# Project Vicinity Map



## Vicinity Map

Battle & Grove Creek Debris Basins



## Legend

-  Debris Basins
-  Highway 15



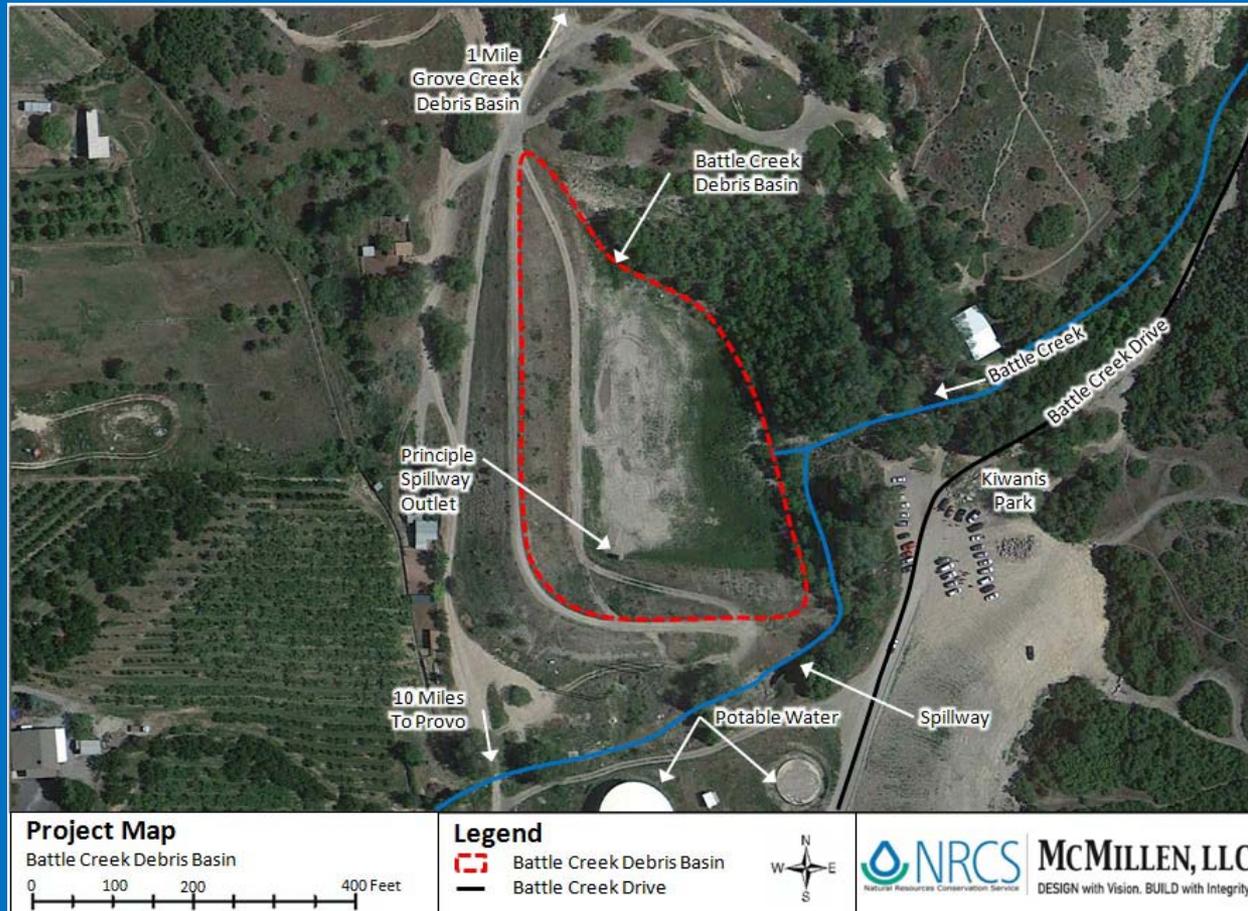
# Project Purpose and Need

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

# Battle Creek Debris Basin Project Map

## Project Concerns

- Spillway Capacity
- Sediment in Reservoir
- Dam Stability



# Photos



Area Below Debris Basin



Debris Basin Pool Area

# Photos



Emergency (Auxiliary) Spillway



Principal Spillway With Trash Rack

# Photos



Battle Creek Inlet Channel to Debris Basin



Inlet Channel (Aging Infrastructure)

# Grove Creek Debris Basin Project Map

## Project Concerns

- Spillway Capacity
- Sediment in Reservoir
- Dam Stability



# Photos



Area Below Debris Basin



Debris Basin Pool Area

# Photos



Principal Spillway with Gates



Inlet Channel to Debris Basin

# Photos



Grove Creek Inlet Channel



Grove Creek Inlet Channel

# Photos



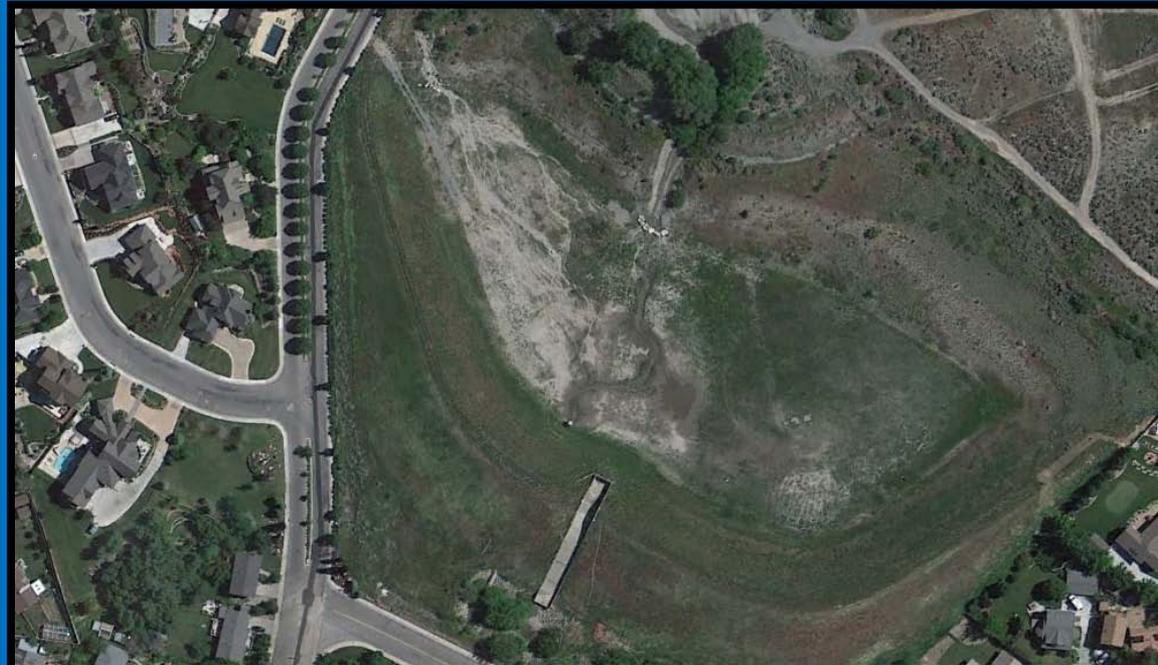
Emergency (Auxiliary) Spillway

# Conceptual Project Alternatives

- No Action
- Dam Decommissioning
- Dam Rehabilitation (2 Options)
- Sediment Removal
- Secondary Water Storage (Surge Pond)
- Groundwater Recharge
- Other Alternatives

# Conceptual Project Alternatives

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



# Construction Operations

- Approx. 10-30 trucks per day
- Monday-Friday (Excluding Federal, State & Local Holidays)
- Preliminary Construction Schedule
  - Start: Spring 2017
  - End: Fall 2017

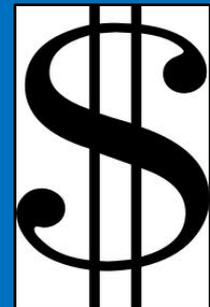
# National Environmental Policy Act

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

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

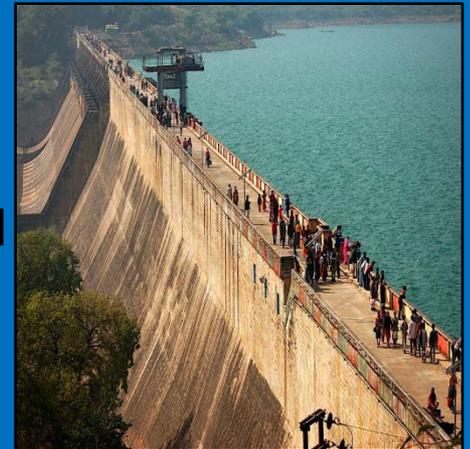
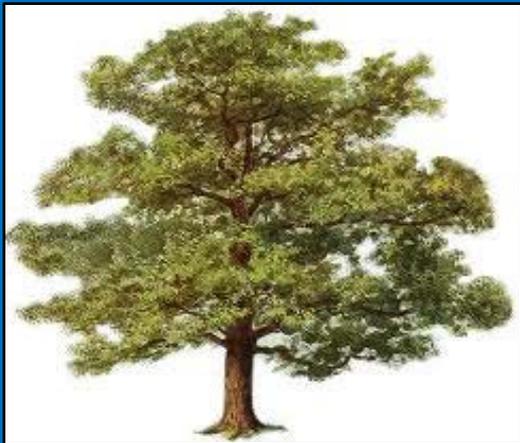
# NRCS NEPA

- 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 9, 2013**
  - Draft EA Public Comment: February 2014
  - FONSI: Summer 2014



# NEPA Contact Information

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



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Fax: 208-342-4216



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[grovecreek@mcmillen-llc.com](mailto:grovecreek@mcmillen-llc.com)



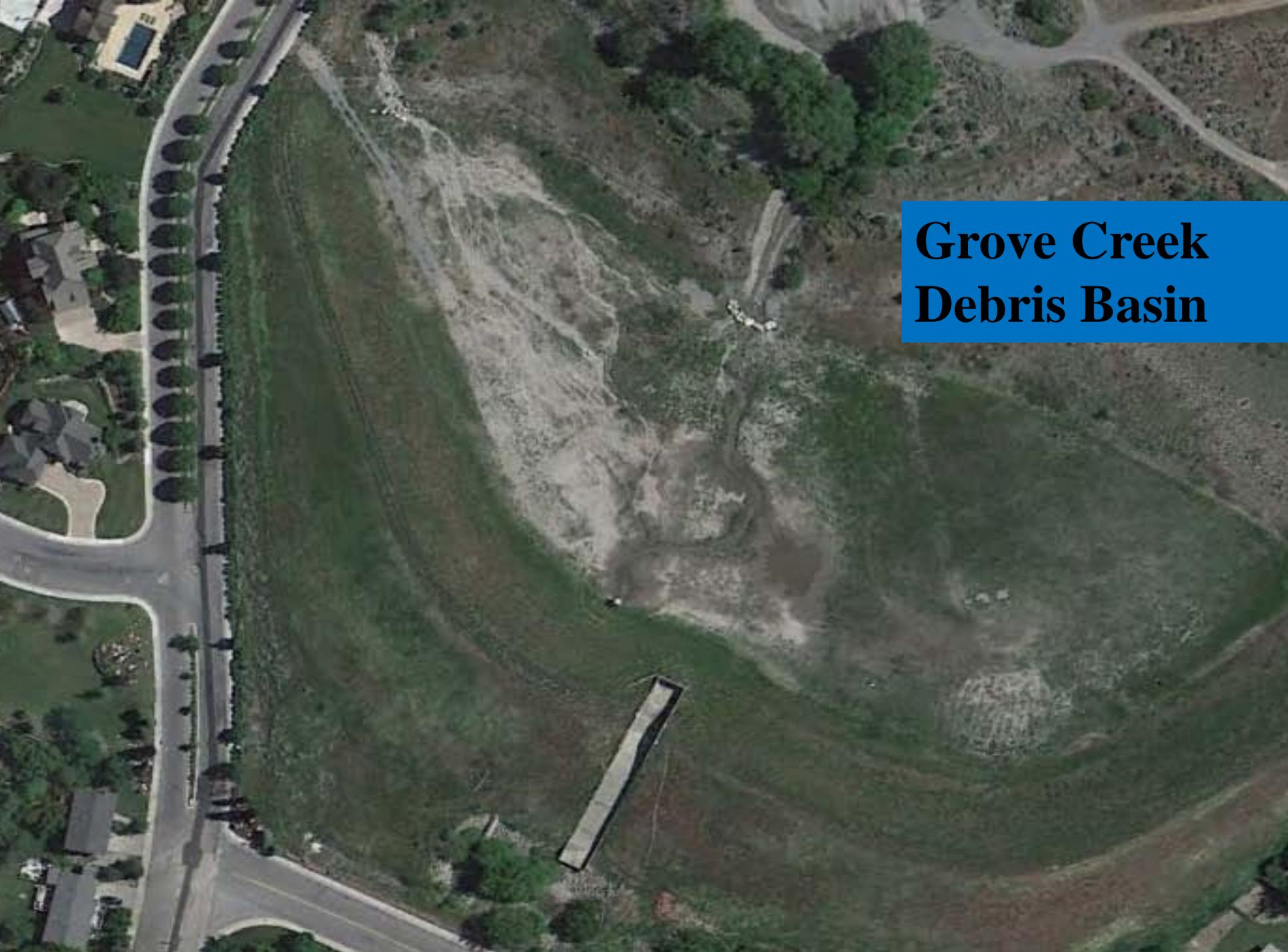
Address: 1401 Shoreline Drive  
Boise, ID 83702

Questions

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# Battle Creek Debris Basin





**Grove Creek  
Debris Basin**