



NRCS/Weber County Emergency Watershed Protection (EWP) Draft Environmental Assessments

Public Open House

August 1, 2013

West Weber Elementary



OPEN HOUSE INTRODUCTION

Jared Andersen – County Engineer
Weber County

Formal Presentation 6:00 – 7:00 pm
Informal Open House 7:00 – 9:00 pm



Presentation Overview

Formal Presentation 6:00 – 7:00 pm

Informal Q&A 7:00 – 7:30 pm

Informal Open House 7:30 – 9:00 pm

PLEASE PUT CELL PHONES ON SILENT

HOLD QUESTIONS UNTIL END OF PRESENTATION



Environmental Assessments

**NRCS
Funding Agency**

**Weber County
Project Sponsor**

**McMillen, LLC
NEPA Project Manager**

**The Langdon Group
Public Involvement**

**Bowen Collins and Associates
Design Engineer**



NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DRAFT ENVIRONMENTAL ASSESSMENTS (EAs)

**Greg Allington
McMillen, LLC**



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

- Environmental analysis required for major federal actions.
- The Natural Resources Conservation Service (NRCS) is the funding agency for the project (75%).



NEPA Requirements

- Environmental Assessment (EA)
 - NRCS NEPA requirements
 - Analysis looks at potential impacts to the natural and man-made environment
- NEPA Process
 - Scoping
 - **Draft EA**
 - Final EA
 - Finding of No Significant Impact (FONSI)



Weber River Structure Repairs



Weber River Structure Repairs

Purpose

- The purpose is to repair the water control structures to conditions prior to the 2011 flood event and add a second regulating structure at the South Run site.

Need

- The need is to provide additional conveyance capacity through the structures, thus reducing water surface levels in the Weber River upstream, reducing flood damage to the Ogden Bay WMA, eliminating the need to breach WMA levees in the future, and reduce potential damage to roads, structures, property, infrastructure, and life.



Weber River Structure Repairs

- Flooding Upstream of the Ogden Bay WMA
- Alternatives Considered but Eliminated from Detailed Study
 - Storage Reservoirs
 - River Dredging
 - Willard Bay Canal
 - Upstream Reservoirs Management
 - Irrigation Ditches
 - Flood Bypass Channels
 - South Run By-Pass Channel
 - North Run Channel Dredging
 - Unit 1 Levee Mechanical Breach



Weber River Structure Repairs

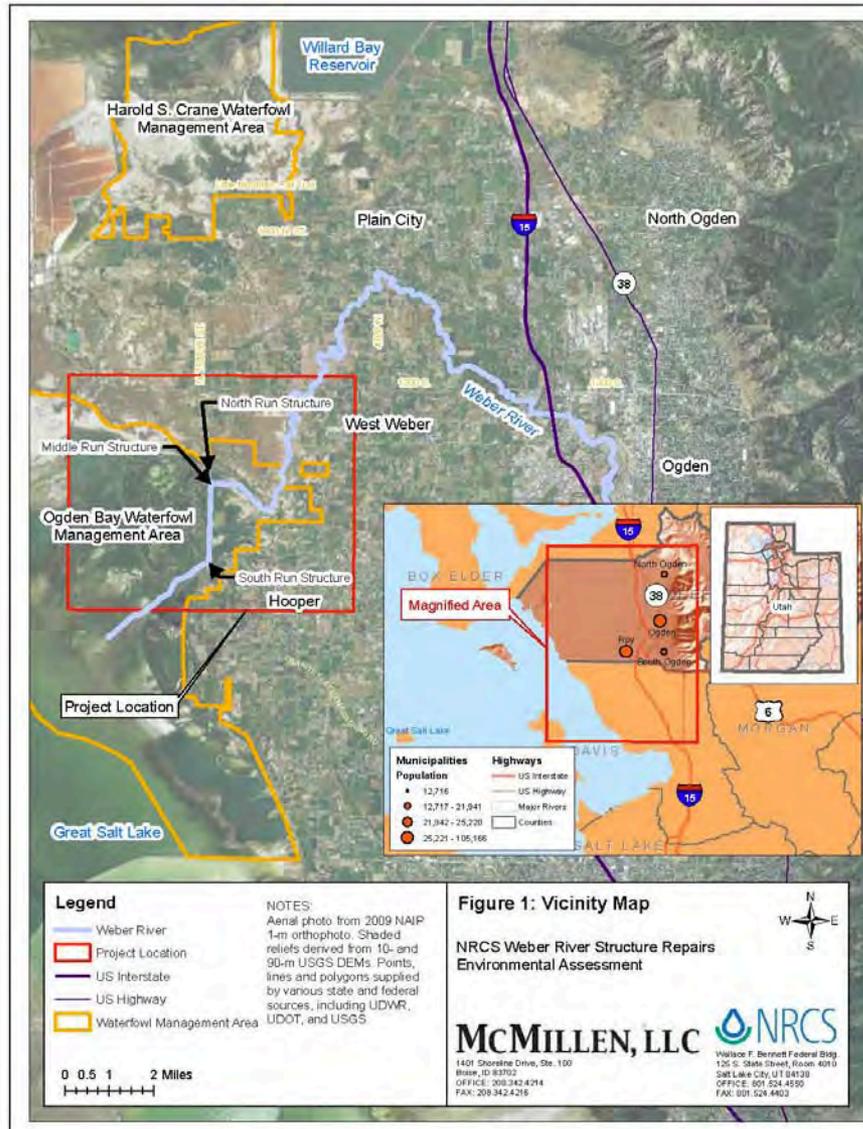
- Flooding Upstream of the Ogden Bay WMA
- Alternatives Considered for Detailed Study
 - No Action
 - Structure Repairs (Proposed Alternative)
 - Levees
 - Floodplain Easements

Weber River Structure Repairs

- Structure Repairs will not eliminate flooding adjacent to the Weber River
 - Reduce flood water depth
 - Reduce flooding length on property
 - Reduce potential flood damage
 - Eliminate need to breach levees
- Operations and Maintenance Plan
 - Developed by NRCS, County and UDWR



Weber River Structure Repairs



Weber River Structure Repairs



Unit 1

Legend

-  North Run Structure Repair
-  North Run Weber River
-  Weber River

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto.

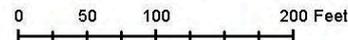


Figure 4: Structure Repairs Alternative North Run Option

NRCS Weber River Structure Repairs
 Environmental Assessment



McMILLEN, LLC

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Weber River Structure Repairs



North Run Structure



Weber River Structure Repairs

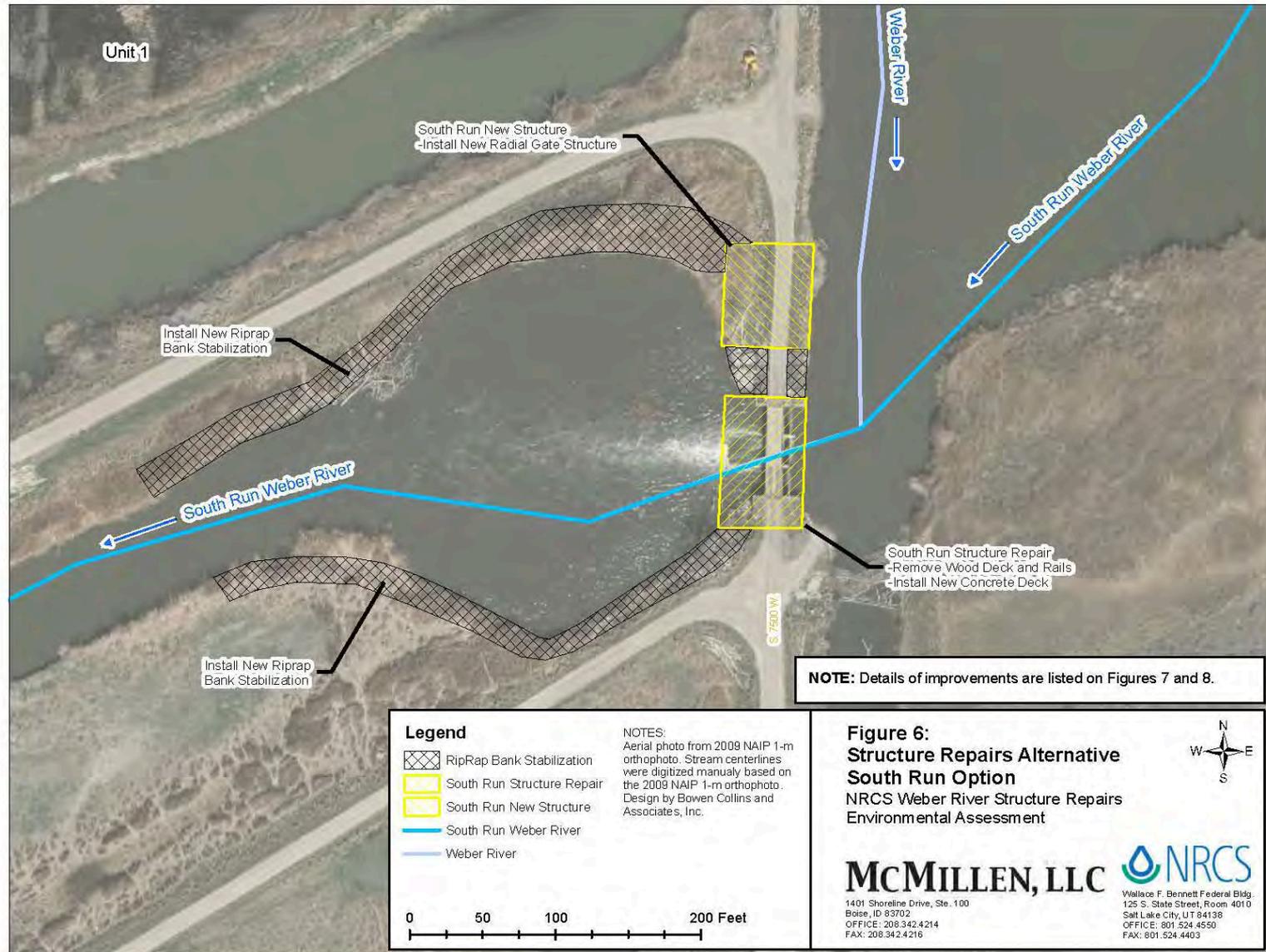


Weber River Structure Repairs



Middle Run Structure

Weber River Structure Repairs



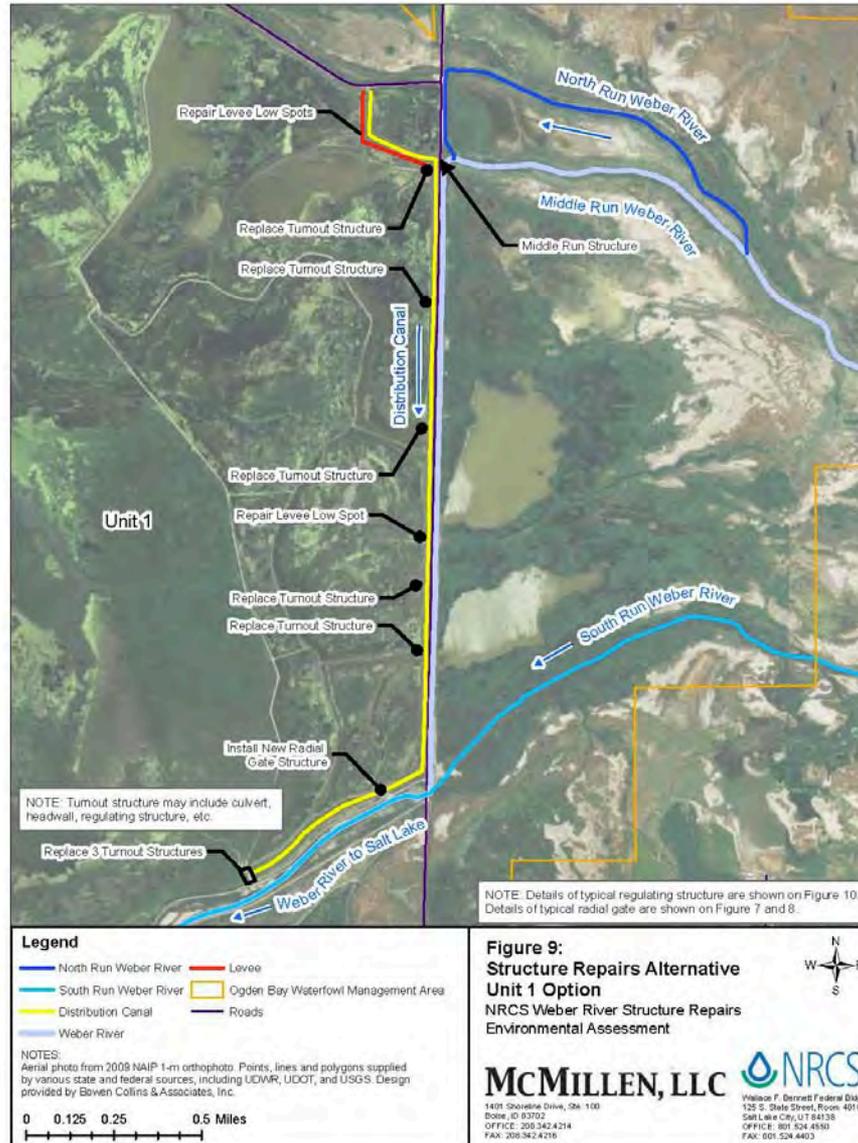
Weber River Structure Repairs



South Run Structure



Weber River Structure Repairs

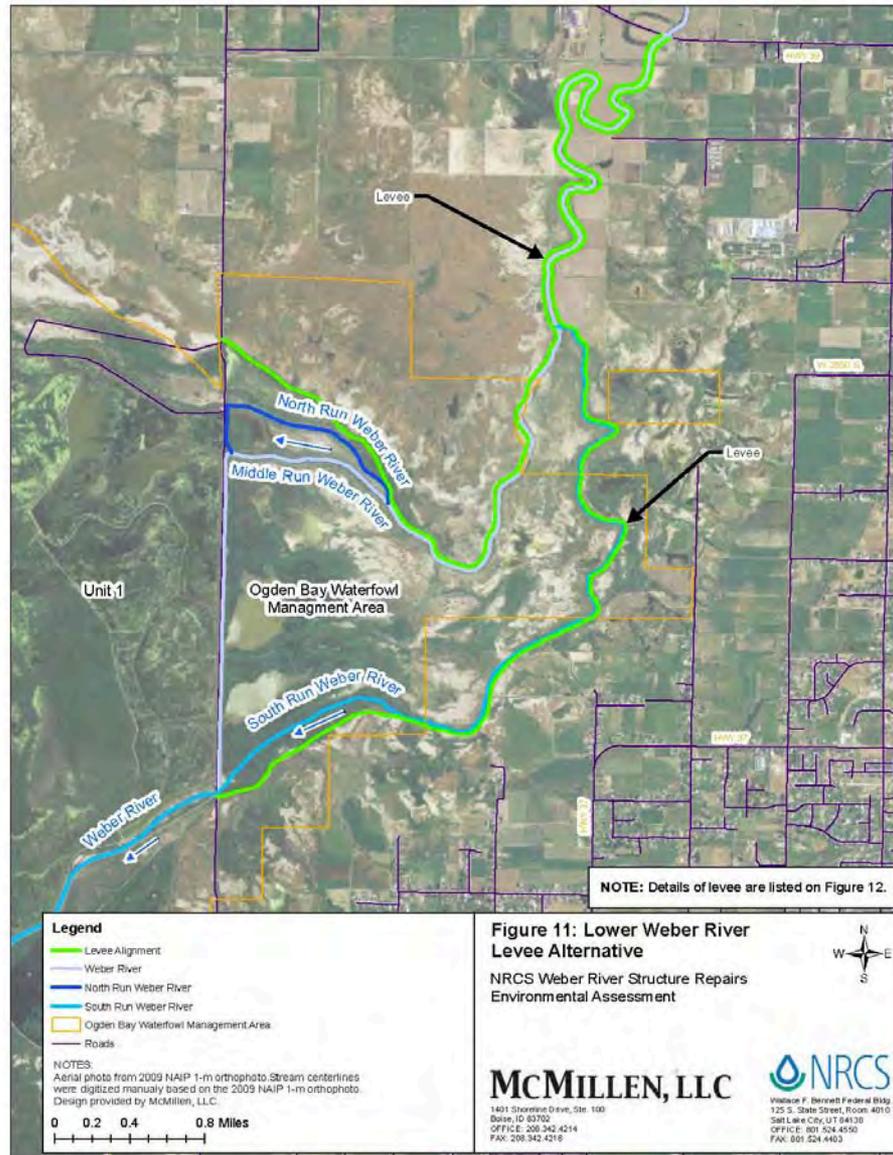


Weber River Structure Repairs

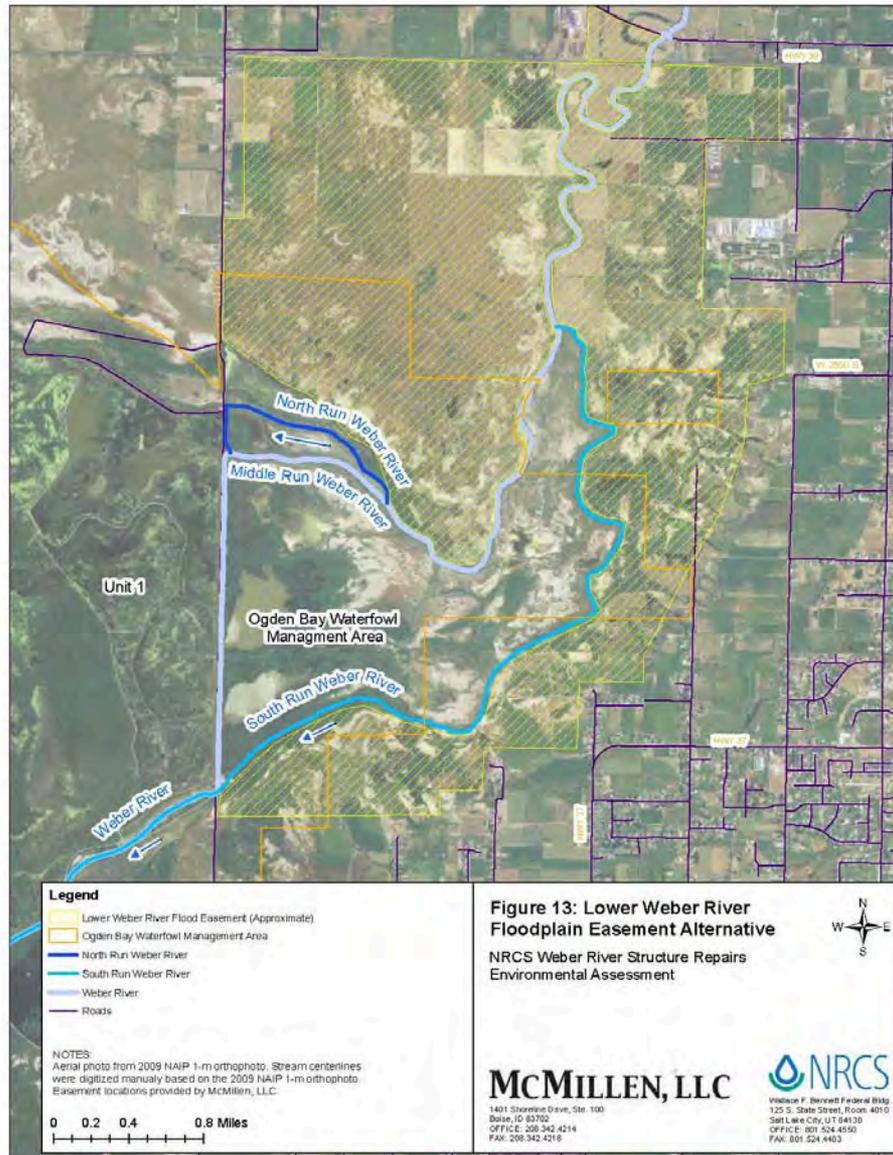


Unit 1 Structures

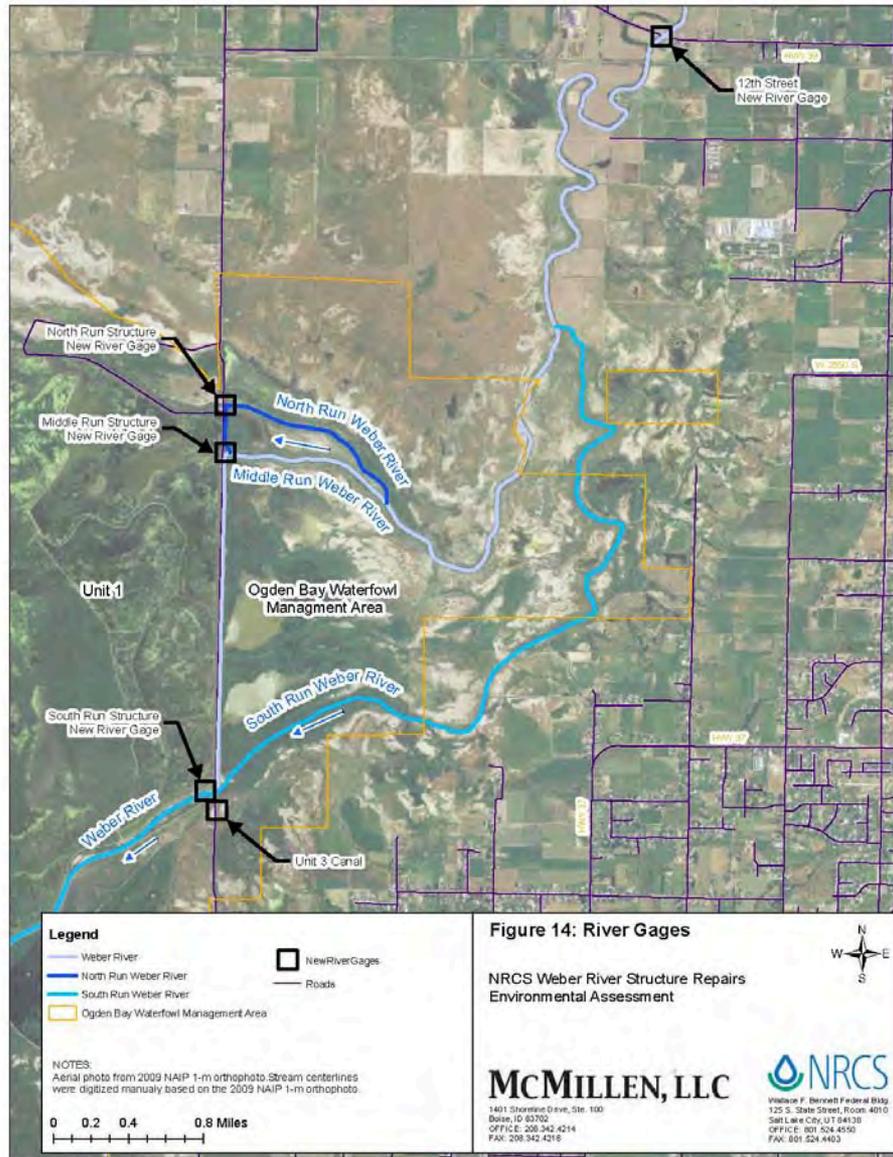
Weber River Structure Repairs



Weber River Structure Repairs



Weber River Structure Repairs



Weber River Structure Repairs

Structure Repairs

Environmental Consequences

- Fish and Wildlife
- Floodplain Management
- Migratory Birds
- Public Health and Safety
- Recreation
- Water Resources



Weber River Structure Repairs

Mitigation (Proposed Alternative)

- Cultural/Historical Resources
- Fish
- Recreation
- Streams and Wetlands
- Soils
- Vegetation

Little Weber River Cutoff Channel

Little Weber River Cutoff Channel

Purpose

- The purpose is to modify the existing conveyance channel by increasing the capacity of flow restrictions allowing up to 1,000 cfs of flood water to be diverted out of the lower Weber River through a historic drainage to the Great Salt Lake.

Need

- The need is to reduce water surface levels in the Weber River upstream and downstream, and reduce potential future flood damage to roads, structures, property, infrastructure, and life.



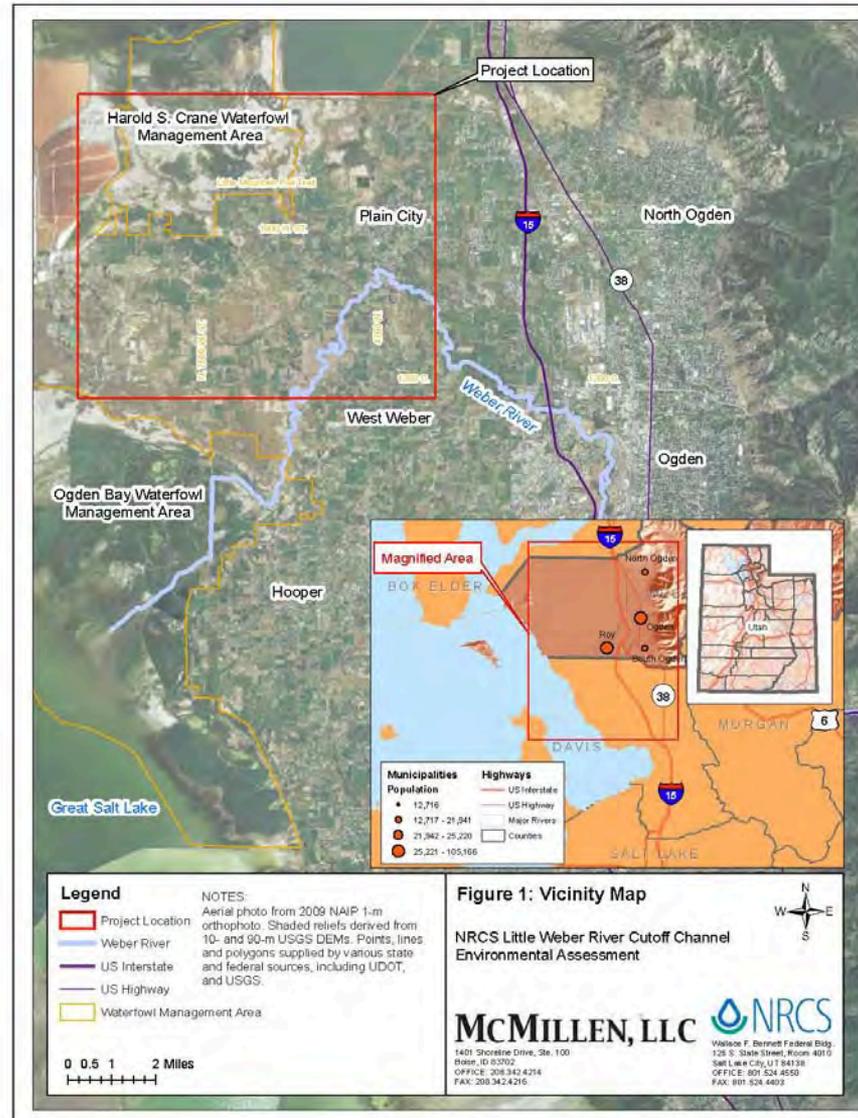
Little Weber River Cutoff Channel

- Flooding adjacent to the Weber River
- Alternatives Considered but Eliminated from Detailed Study
 - Storage Reservoirs
 - River Dredging
 - Willard Bay Canal
 - Upstream Reservoirs Management
 - Irrigation Ditches
 - Other Flood Cutoff Channels

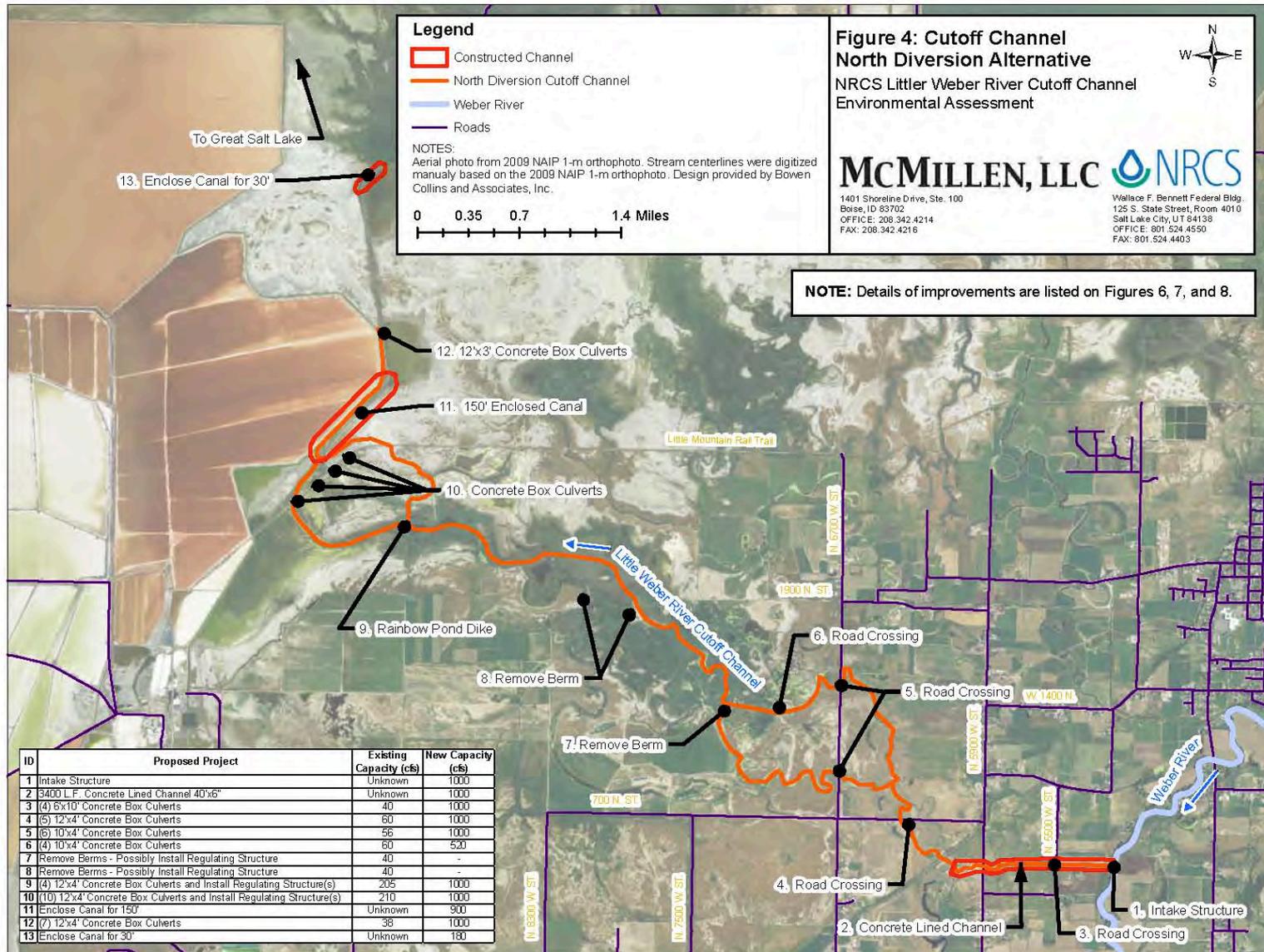
Little Weber River Cutoff Channel

- Flooding adjacent to the Weber River
- Alternatives Considered for Detailed Study
 - No Action
 - Little Weber River Cutoff Channel-North Diversion (Proposed Alternative)
 - Little Weber River Cutoff Channel-South Diversion
 - Levees
 - Floodplain Easements

Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



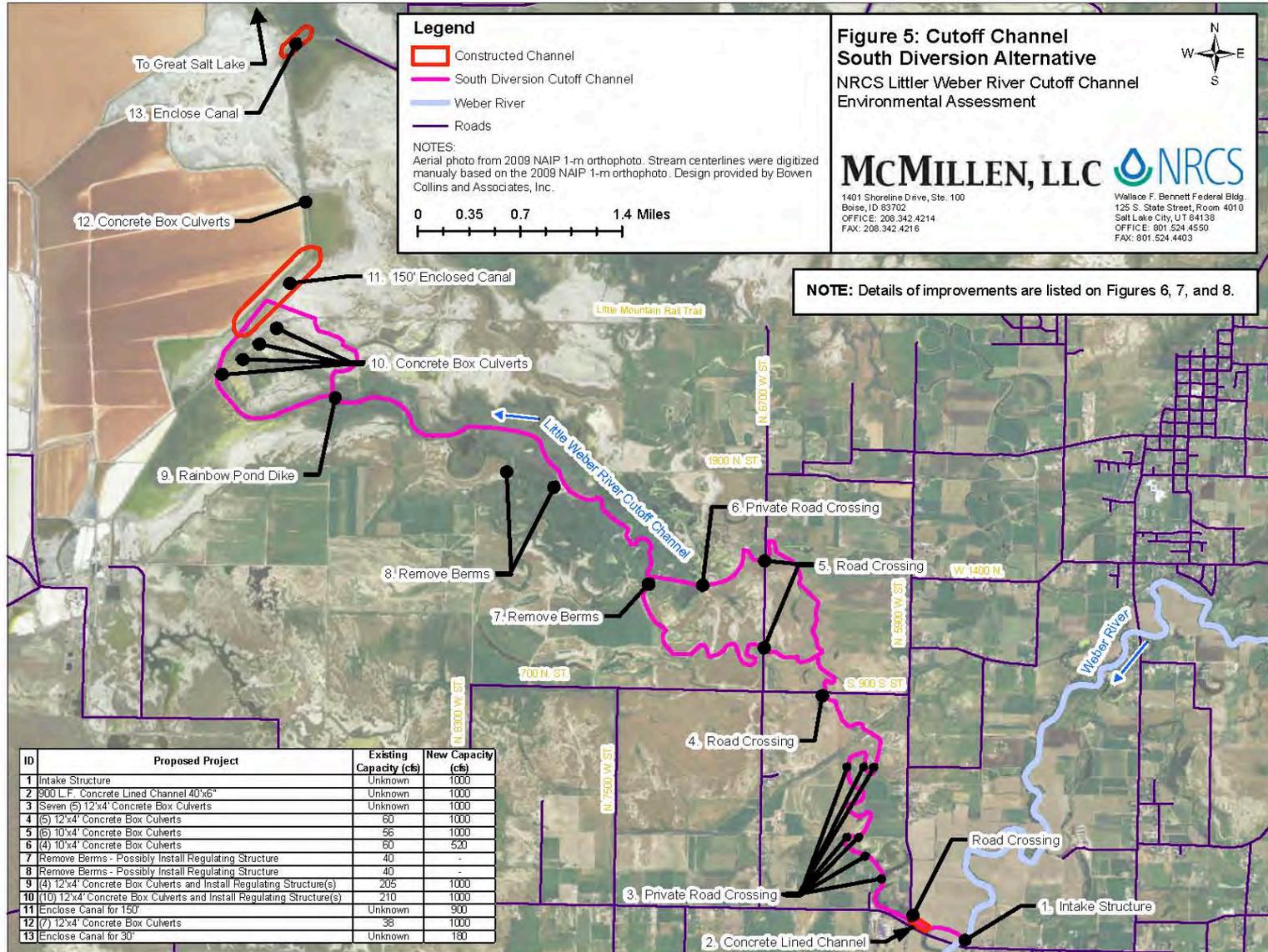
Little Weber River Cutoff Channel



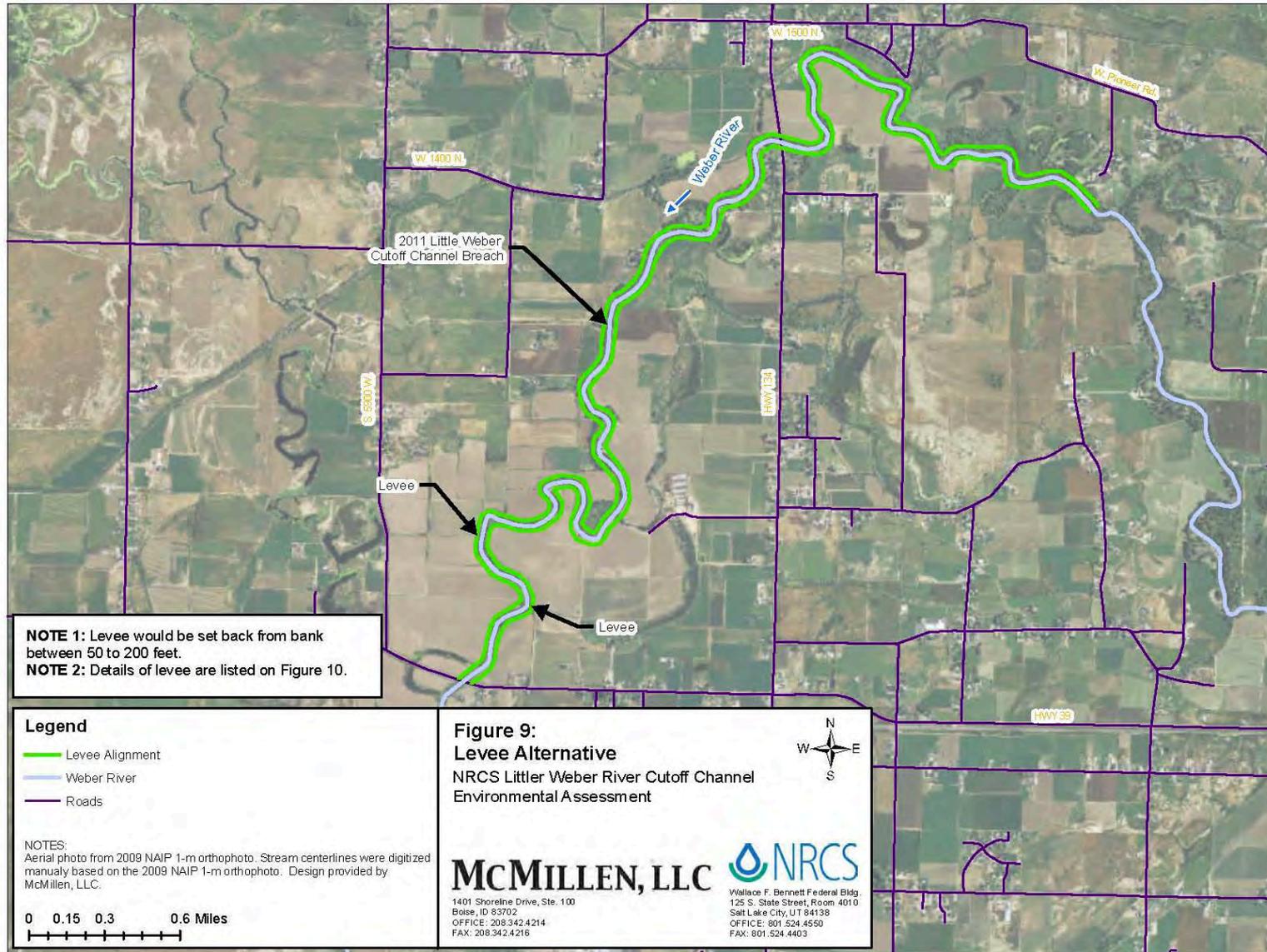
Little Weber River Cutoff Channel



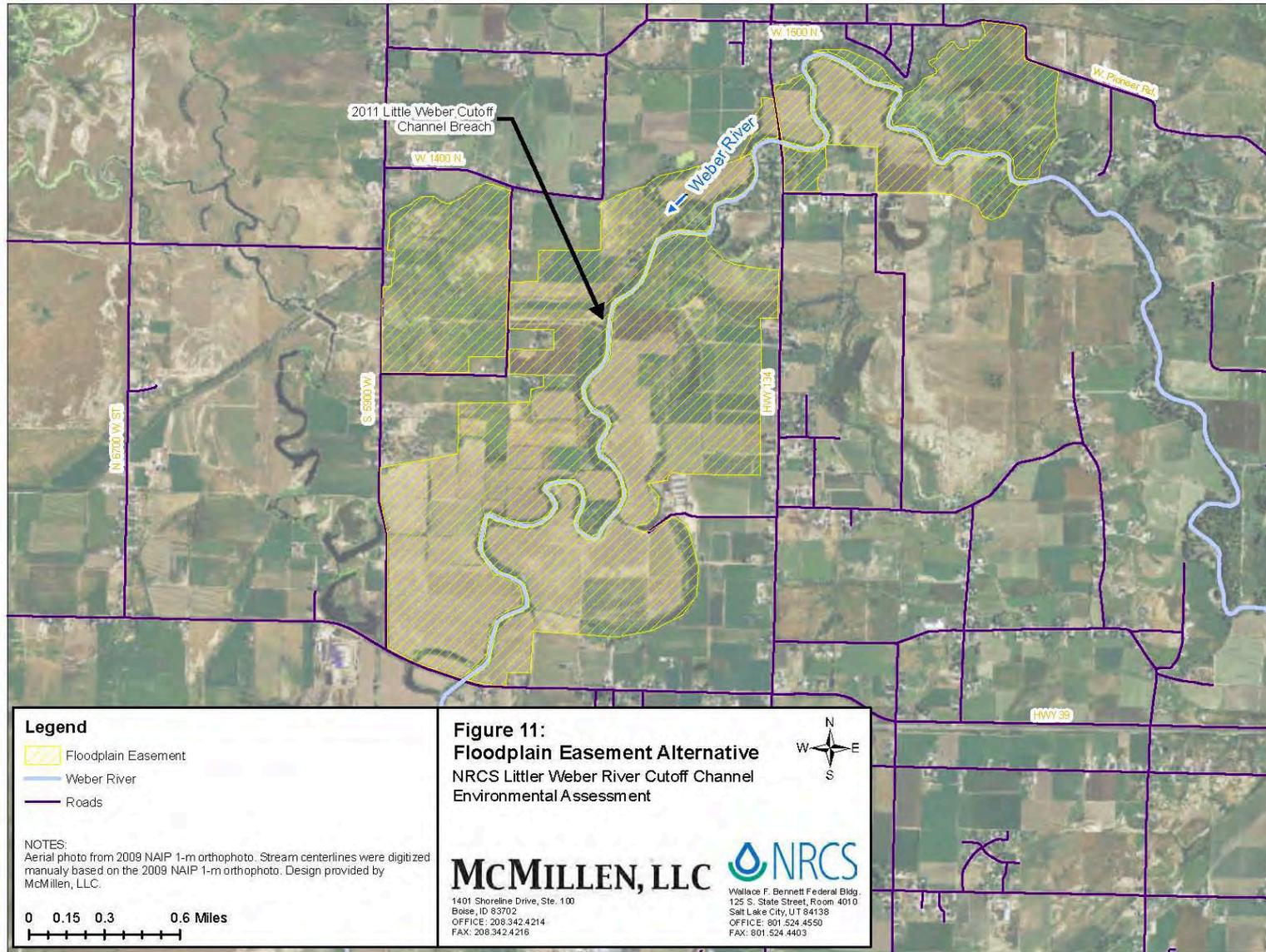
Little Weber River Cutoff Channel



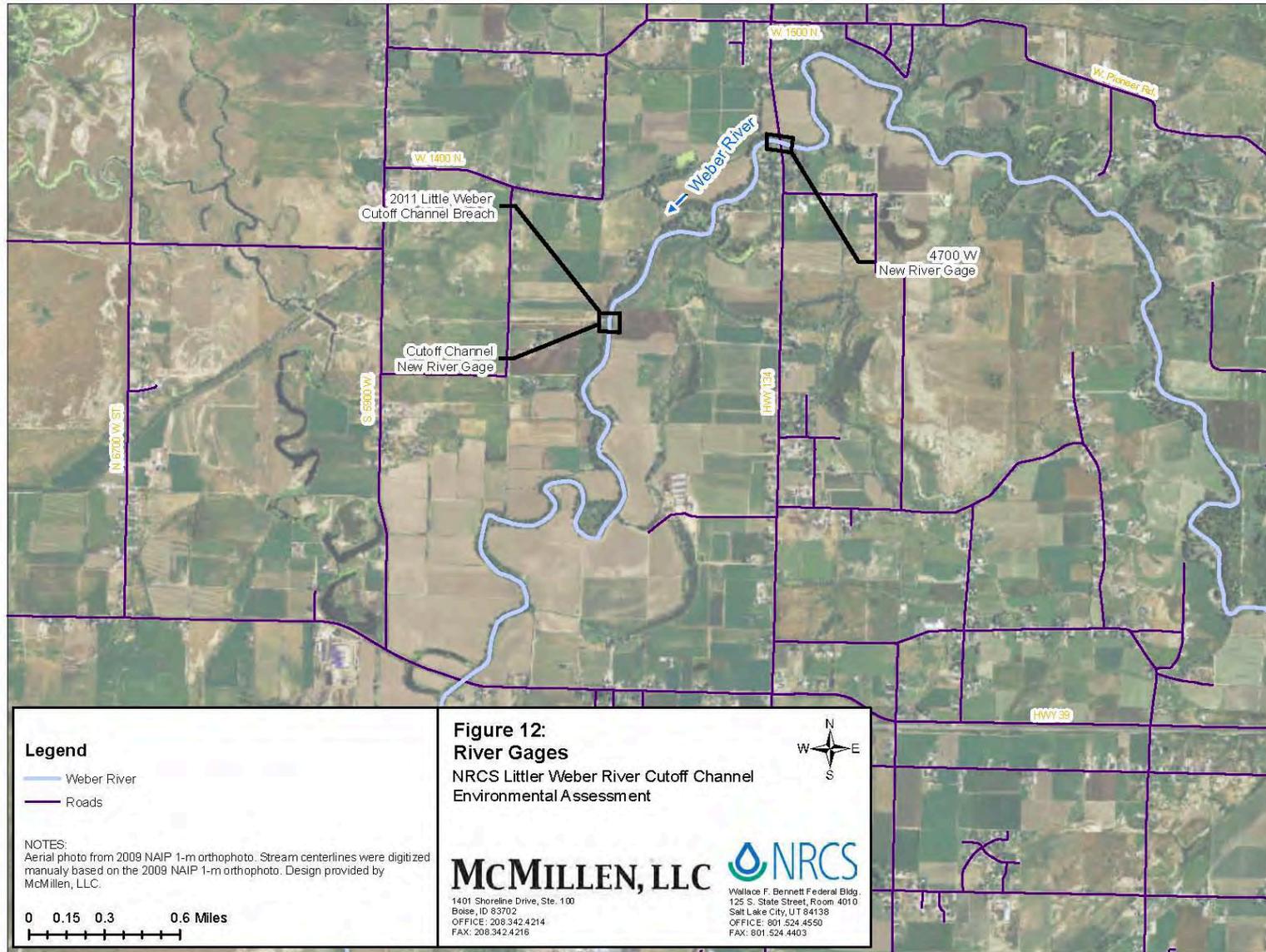
Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Little Weber River Cutoff Channel



Legend

-  Weber River
-  Roads

NOTES:

Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by McMillen, LLC.

0 0.15 0.3 0.6 Miles


**Figure 12:
 River Gages**

NRCS Little Weber River Cutoff Channel
 Environmental Assessment



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Little Weber River Cutoff Channel

Little Weber River Cutoff Channel-North Diversion Environmental Consequences

- Fish and Wildlife
- Floodplain Management
- Land Use
- Public Health and Safety
- Water Resources
- Water of the United States

Little Weber River Cutoff Channel

Mitigation (Proposed Alternative)

- Cultural/Historical Resources
- Fish
- Migratory Birds
- Soils
- Streams and Wetlands
- Vegetation

Little Weber River Cutoff Channel

- Cutoff Channel will not eliminate flooding adjacent to the Weber River
 - Reduce flood water depth
 - Reduce flooding length on property
 - Reduce potential flood damage
 - Eliminate need to breach roads

Little Weber River Cutoff Channel

- Operations and Maintenance Plan
 - Developed by NRCS, County and UDWR
- Cutoff Channel will be activated only when flood flows rise above a predetermined flow event
- Cutoff Channel will not be used to supply water rights for irrigation purposes

Past Actions

- River Dredging

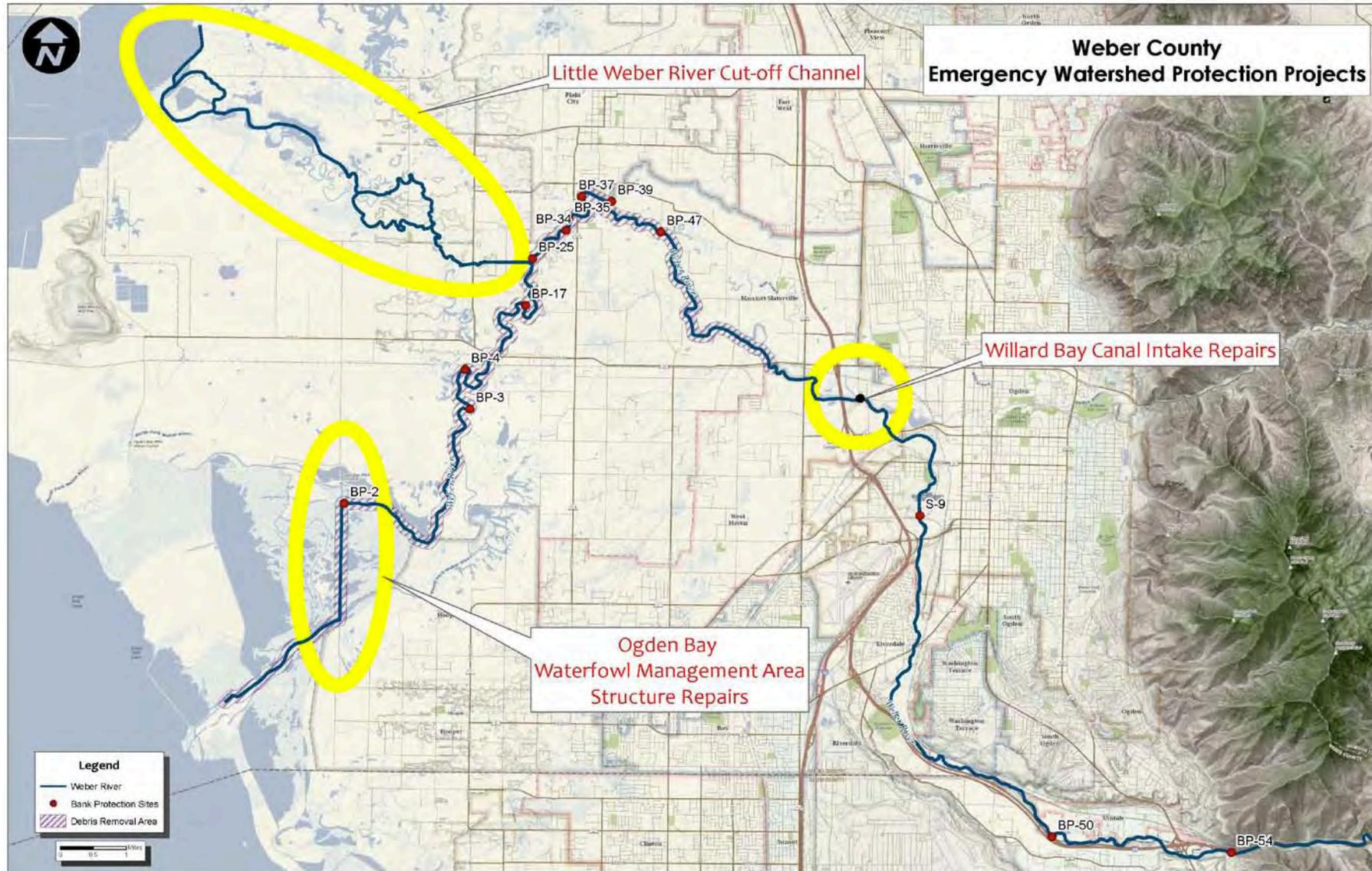
Present Actions

- Debris Removal
- Bank Protection

Reasonably Foreseeable Projects

- Willard Bay Canal Intake
- Weber River Structure Repairs
- Little Weber River Cutoff Channel





NEPA Schedule

- NEPA Environmental
 - Start: July 2012
 - Scoping: September 2012
 - **Draft EAs Public Comment Closes: August 16, 2013**
 - Final EA and FONSI: Early Fall 2013
- Construction
 - Start: Early Fall 2013
 - End: Summer 2014



PUBLIC INVOLVEMENT

Andy Neff
The Langdon Group



Draft EA Comments

- Comments may be submitted by:
 - Email
 - Written Letter
 - Comment Card
 - Oral
- Please specify which project in your comment

Contact Information

Please contact Andy Neff with the Project Team with your questions and comments:



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Informal Q&A

