APPENDIX A

COMMENTS AND REPONSES

Scoping Report

NRCS

Weber River Structure Repair-Environmental Assessment

Scoping Report

Final

Contract No. AG-3A75-C-10-0025
Task No. AG-8D43-D-12-0016

Greg J. Allington
NEPA Project Manager

McMillen, LLC

THE LANGDON GROUP
a J·U·B Company

October 19, 2012

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SECTION 1
INTRODUCTION

1.0 Introduction

The Natural Resources Conservation Service (NRCS), in cooperation with Weber County as the project sponsor, is proposing to partially fund through the Emergency Watershed Protection Program the repair of water diversion structures on the Weber River in Weber County, Utah. The National Environmental Policy Act (NEPA) and the Council on Environmental Quality's regulations at 40 CFR Parts 1500-1508 require an evaluation of potential environmental impacts associated with federal projects and actions. The environmental impacts will be documented in the form of an Environmental Assessment (EA). The EA will comprise of the following elements:

- Alternatives analysis of potential options for structure repair that includes the following:
  - No Action
  - Proposed Alternative (Weber River Structure Repair)
  - Other Bank Protection Alternatives (levee or bank repair)
- Detailed analysis of resources that may be affected for each of the alternatives that may satisfy the purpose and need for the project;
- Identification of potential mitigation measures to reduce or eliminate potential impacts; and
- A plan of public participation and government agency coordination throughout development of the EA.

This Scoping Report summarizes the outcome of the preliminary scoping period for the Weber River Structure Repair project.

1.1 Project Purpose and Need

In accordance with the rehabilitation provisions of the NRCS's Emergency Watershed Program, the Weber River Structure Repair project area is eligible for rehabilitation funding due to recent flood damage in 2011. The purpose of the project is to increase the conveyance capacity of existing water control structures on the Ogden Bay Waterfowl Management Area to reduce the potential for damage to property and/or structures associated with flooding from the Lower Weber River in western Weber County.

1.2 Scoping Goals and Objectives

The main goal of public participation is to involve a diverse group of public and government agency participants to solicit input and provide timely information throughout the NEPA review process regarding their concerns for the project and the proposed alternatives. The main goals were to 1) establish ongoing communication with stakeholders, agencies and the general public, 2) educate the public about the environmental review process and each party's role, 3) evaluate the effectiveness of public participation activities on a continual basis and utilize the most effective techniques throughout the NEPA process, and 4) document all public and government agency input.

SECTION 2
SCOPING PROCESS SUMMARY

2.0 Scoping Overview

Scoping questions, comments and concerns were requested from the public and government agencies during the preliminary scoping period both orally at public meetings and via written submittal of comments. The following summarizes the scoping process and efforts made to engage the public and government agencies.

2.1 Scoping Terms

The following terms were used during the scoping process to identify specific actions:

- Comment: a distinct statement or question about a topic or issue relating to the project.
- Comment Category: a topic to which a comment is addressed.
- Comment Document: a written version of comment(s) submitted by a commenter. One comment document may contain multiple comments.
- Commenter: an individual, organization or agency providing one or more comments.

2.2 Scoping Schedule

The following dates outline the milestones for the scoping process:

- Aug. 13, 2012: Public Scoping Notices issued to City Newsletters
- Aug. 23-30, 2012: Individual Landowner Scoping Meetings
- Aug. 27, 2012: Public and Agency Scoping Notices (letter mailers) Issued
- Aug. 28-29, 2012: Poster Display Boards Placed in Community Gathering Places
- Aug. 30 , 2012: First Public Notice issued in the Standard Examiner Newspaper
- Sept. 6, 2012: Second Public Notice issued in the Standard Examiner Newspaper
- Sept. 7, 2012: Press Release issued to the Standard Examiner Newspaper
- Sept. 12, 2012: Agency Scoping Meeting
- Sept. 13, 2012: Public Scoping Meeting
- Sept. 28, 2012: Scoping Period Closed

2.3 Scoping Notice

A scoping notice was prepared and sent to interested parties and regulatory agencies on Aug. 27, 2012. The list of recipients was prepared by both the NRCS and Weber County. The scoping notice gave a description of the project, location and overview, purpose and need, identified preliminary scoping issues, and requested public participation. The scoping notice also identified the location of public meetings, contact information to submit written comments, and the scoping period closure date. Copies of the scoping notices are attached in Appendix A. Scoping notices were also issued to cities (Hooper, Marriott-Slaterville, West Haven, Plain City) within the project area for inclusion in city newsletters.

Two public notices were posted in the Standard Examiner newspaper on Aug. 30, 2012 and Sept. 6, 2012; and a press release was issued to the Standard Examiner on Sept. 6, 2012 announcing the project and public meeting. Copies of the newspaper scoping notice, press release and Standard Examiner newspaper article are attached in Appendix B.

Poster display boards were placed at government buildings and various businesses, schools and other community gathering places in the project area (Weber County, Hooper City, Marriott-Slaterville City, West Haven City, Plain City, Weber County Library, Country Corner, Smith & Edwards, Cal Ranch, Dallas Green, Hooper Elementary, West Weber Elementary, Plain City Elementary, Rocky Mountain Jr. High). A copy of the poster is attached in Appendix C.

2.4 Individual Landowner Scoping Meetings

The project team met in-person with five landowners who were the most affected by 2011 flooding and the potential project to gather their input and feedback.

2.5 Scoping Meetings

The primary purpose of the scoping meetings was to gather input and feedback on the project's purpose and need statement, potential alternatives for consideration, environmental issues to be addressed in the EA, methodologies to be used to evaluate impacts, and the overall public participation process. One government agency scoping meeting was held during the day (Sept. 12, 2012 – 1:00PM to 4:00PM) at the Weber Center in Ogden, Utah, and one public scoping meeting was held in the evening on the following day (Sept. 13, 2012 – 6:00PM to 9:00PM) at West Weber Elementary School in Ogden, Utah, to gather as broad an audience as possible. The scoping meeting presentation can be found in Appendix D.

There were two attendees at the agency meeting and 18 attendees at the public meeting. Participants were invited to submit comments in writing either at the meeting or subsequently by mail, fax or e-mail during the scoping comment period. Attendance at each meeting was counted using a sign-in sheet as listed in Section 3.0 and 3.1. The sign-in sheets can also be found in Appendix E. Comment cards were handed out at each meeting which also provided a blank space to submit written comments.

Agency Scoping Meeting September 12, 2012

Public Scoping Meeting September 13, 2012

2.6 Scoping Mailing List

The mailing list was prepared by the NRCS and Weber County to inform the government agencies and general public about the scoping process for the project. A total of 85 mailings were sent to government agencies and 73 mailings were sent to the public.

SECTION 3
SCOPING COMMENTS

3.0 Agency Meeting

The agency meeting was conducted on Sept. 12, 2012 from 1:00AM to 4:00PM. There were two agency attendees at this meeting and there were zero oral or written comments submitted.

The following project personnel were in attendance for the agency meeting.

Name	Organization	Title
Greg Allington	McMillen, LLC	Project Manager/Biologist
Dan Axness	McMillen, LLC	Engineer
Jared Andersen	Weber County	Engineer
Lance Peterson	Weber County	Emergency Mgt. Director
Joshua Palmer	The Langdon Group	Public Involvement Facilitator
Andy Neff	The Langdon Group	Public Involvement Facilitator
Monica Seegmiller	The Langdon Group	Public Involvement Facilitator
Dan Turner	NRCS	Engineer

3.1 Public Meeting

The public meeting was conducted on Sept. 13, 2012 from 6:00PM to 9:00PM. There were 18 public attendees at this meeting and there were five written comments submitted.

The following project personnel were in attendance for the public meeting.

Name	Organization	Title
Greg Allington	McMillen, LLC	Project Manager/Biologist
Dan Axness	McMillen, LLC	Engineer
Jared Andersen	Weber County	Engineer
Lance Peterson	Weber County	Emergency Mgt. Director
Kerry Gibson	Weber County	Commissioner
Joshua Palmer	The Langdon Group	Public Involvement Facilitator
Andy Neff	The Langdon Group	Public Involvement Facilitator
Jennifer Fowler	The Langdon Group	Public Involvement Facilitator
Bronson Smart	NRCS	Engineer
Dan Turner	NRCS	Engineer

3.2 Written Comments

The scoping period officially opened on Aug. 30, 2012 and ended on Sept. 28, 2012 for a total of 31 days. Written comments could have been submitted via mail, e-mail, facsimile, or comment card.

There were seven written scoping comments received from a commenter via comment document during the scoping period for the Little Weber River Cut-off Channel project. Written comments are presented in Appendix E.

3.3 Comment Categories

Each of the comments was separated into comment categories to identify the nature of the comment. The following categories were created for scoping and are listed below. Specific comment details are listed in the Open House Comment Matrix in Appendix E.

- Project Updates
- Impacts at Waterfowl Management Area
- Environmental Process
- Dredging
- Water Gages
- Floodplain Restoration

APPENDIX A

SCOPING NOTICES

Appendix A: Scoping Notices

Agency Scoping Notice

NRCS

USDA Natural Resources Conservation Service-Utah
Wallace F. Bennett Federal Building
125 S. State Street – Room 4010
Salt Lake City, UT 84138-1100

Date: August 27, 2012

Dear Interested Government Agencies:

Introduction

The Natural Resources Conservation Service (NRCS), in cooperation with Weber County as the project sponsor, is proposing to partially fund two separate projects through the Emergency Watershed Protection (EWP) Program:

Little Weber River Cut-off Channel: Construct a cut-off channel on the Little Weber River to divert water out of the Weber River during flood events.

Weber River Structure Repair: Repair two water diversion structures on the Weber River at the Ogden Bay Waterfowl Management Area managed by the Utah Division of Wildlife Resources to allow higher volumes of water to pass through the structures during flood events.

The National Environmental Policy Act (NEPA) and the Council on Environmental Quality's regulations at 40 CFR Parts 1500-1508 require an evaluation of potential environmental impacts associated with federal projects and actions. Each project will require a separate environmental analysis and the environmental impacts will be documented in the form of an Environmental Assessment (EA) for each separate project.

Location and Overview of the Projects

Both projects are located in western Weber County between 4700 West and the Great Salt Lake. The Little Weber River Cut-off Channel begins in the vicinity of 300 North and 5500 West and ends in the Great Salt Lake. The two water diversion structures proposed for repair are both located in the Ogden Bay Waterfowl Management Area near the outlet of the Weber River into the Great Salt Lake.

Project Purpose and Need

In accordance with the rehabilitation provisions of the NRCS's Emergency Watershed Program, both areas are eligible for rehabilitation funding due to recent flood damage in 2011. The purpose of both projects is to redirect flow volumes in the Weber River during flood events to lessen the potential for property and/or structure damage in western Weber County.

Public Participation

The participation of government agencies is a vital component of the project so that those who are interested in or potentially affected by the proposed projects have an opportunity to share their comments, ideas, and concerns regarding actions during the initial stages of the NEPA process. For comments to be considered and to become part of the public record for the projects, **we need to receive them by close-of-business on September 28, 2012**. Please specify which project you are commenting on and mail your written comments to: (over, please)

Weber County Emergency Watershed Projects
c/o The Langdon Group
466 North 900 West
Kaysville, UT 84037

You may also email comments to wcewp@langdongroupinc.com or fax them to (801) 547-0397. If you have questions, please contact Joshua Palmer with the Langdon Group at (801) 503-4186.

Scoping Meetings

You are invited to attend government agency and public open house meetings where we will discuss both the Little Weber River Cut-off Channel and the Weber River Structure Repair projects. Both of these project EAs will be prepared separately but conducted concurrently. The meetings provide an opportunity for all parties that are interested voicing their comments, ideas, and concerns to the project sponsors.

Government Agency Meeting: This meeting will be open to government staff only and will be held **on Wednesday, September 12 in the Weber County Commission Chambers, located at 2380 Washington Blvd. in Ogden, Utah, from 1:00 PM to 4:00 PM.** The meeting will begin with a formal presentation starting at 1:00 PM. Following the presentation, an informal open house discussion will be held.

Public Meeting: This meeting will be open to the general public, as well as government staff, and will be held **on Thursday, September 13 at West Weber Elementary School, located at 4178 West 900 South in Ogden, Utah, from 6:00 PM to 9:00 PM.** The meeting will begin with a formal presentation starting at 6:00 PM. Following the presentation, an informal open house discussion will be held. Other EWP projects that are currently in design that do not require a NEPA analysis will also be discussed at this meeting.

After receiving comments by close-of-business on September 28, 2012 the NRCS will begin reviewing the comments and preparing the EA analysis of the project alternatives and preliminary resource concerns identified during this initial project scoping process.

Sincerely,

FOR BRONSON SMART

Bronson Smart
NRCS State Engineer

cc: Dan Turner – NRCS
Commissioner Kerry Gibson – Weber County
Jared Andersen – Weber County Engineer
Lance Peterson – Weber County
Greg Allington – McMillen, LLC

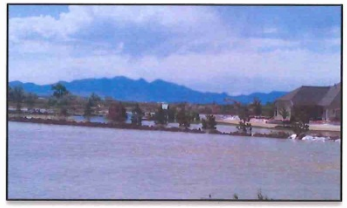
Public Scoping Notice

USDA Natural Resources Conservation Service-Utah
Wallace F. Bennett Federal Building
125 S. State Street – Room 4010
Salt Lake City, UT 84138-1100

Date: August 27, 2012

Dear Interested Parties:

The Natural Resources Conservation Service (NRCS) and Weber County invite you to a joint public open house on **Thursday, September 13 at West Weber Elementary School** to discuss Emergency Watershed Protection Program processes underway in western Weber County and how potential future flood damage from the Weber River can be mitigated. The open house will include information on two projects requiring an Environmental Assessment (EA) under the National Environmental Policy Act (NEPA) and several that are beginning the design phase. The open house will begin with a formal presentation of the projects and then the public will have an opportunity to speak one-on-one with project team members. Light refreshments will be provided.



When: Thursday, September 13, 2012
Time: Formal Presentation: 6 p.m. - 7 p.m.
Informal Open House: 7 p.m. - 9 p.m.
Where: West Weber Elementary School (4178 W. 900 S., Ogden)

More information is available by contacting Joshua Palmer (The Langdon Group) with the project team by phone at 801-503-4186 or email at wcewp@langdongroupinc.com.

Environmental Assessment Introduction

The NRCS, in cooperation with Weber County as the project sponsor, is proposing to partially fund two separate projects through the Emergency Watershed Protection Program:

Little Weber River Cut-off Channel: Construct a cut-off channel on the Little Weber River to divert water out of the Weber River during flood events.

Weber River Structure Repair: Repair two water diversion structures on the Weber River at the Ogden Bay Waterfowl Management Area managed by the Utah Division of Wildlife Resources to allow higher volumes of water to pass through the structures during flood events.

The NEPA and the Council on Environmental Quality's regulations at 40 CFR Parts 1500-1508 require an evaluation of potential environmental impacts associated with federal projects and actions. Each project will require a separate environmental analysis and the environmental impacts will be documented in the form of an EA for each separate project.

Design Projects Introduction

Potential flood mitigation projects in western Weber County will be explained in further detail at the open house on September 13. The projects include debris removal, bank stabilization, structural repairs and other needed improvements. Potential projects include:

- Middle Run Outlet Structure
- South Run Low Level Outlet
- Weber River Bank Protection
- Weber River Sediment Basin
- Little Weber River Diversion

Location and Overview of the Projects

Both NEPA environmental projects are located in western Weber County between 4700 West and the Great Salt Lake. The Little Weber River Cut-off Channel begins in the vicinity of 300 North and 5500 West and ends in the Great Salt Lake. The two water diversion structures proposed for repair are both located in the Ogden Bay Waterfowl Management Area near the outlet of the Weber River into the Great Salt Lake.

The design projects are located in communities throughout western Weber County and include improvements in West Weber, Marriott-Slaterville, Taylor, Hooper and Plain City.

Purpose and Need of Projects

In accordance with the rehabilitation provisions of the NRCS's Emergency Watershed Program, both NEPA environmental project areas are eligible for rehabilitation funding due to recent flood damage in 2011. The purpose of the projects is to redirect flow volumes in the Weber River during flood events to lessen the potential for property and/or structure damage in western Weber County.

Public Participation

The participation of the public is a vital component of the projects so that those who are interested in or potentially affected by the proposed projects have an opportunity to share their comments, ideas, and concerns regarding actions during the initial stages of the NEPA and design processes. For comments to be considered and to become part of the public record for the projects, **we need to receive them by close-of-business on September 28, 2012**.

Please specify which project you are commenting on and mail your written comments to:

Weber County Emergency Watershed Projects
c/o The Langdon Group
466 North 900 West
Kaysville, UT 84037

You may also email comments to Joshua Palmer with The Langdon Group:

Email: wcewp@langdongroupinc.com
Phone: 801-503-4186
Fax: 801-547-0397

After receiving comments by close-of-business on September 28, 2012, the NRCS will begin reviewing the comments and preparing the NEPA EA analysis of the project alternatives and preliminary resource concerns identified during this initial project scoping process for the environmental projects.

Comments regarding projects under design will be evaluated and discussed during design team meetings.

The project teams for all of the Emergency Watershed Projects value your feedback and encourage you to attend the open house on September 13.

Sincerely,

FOR BRONSON SMART

Bronson Smart
NRCS State Engineer

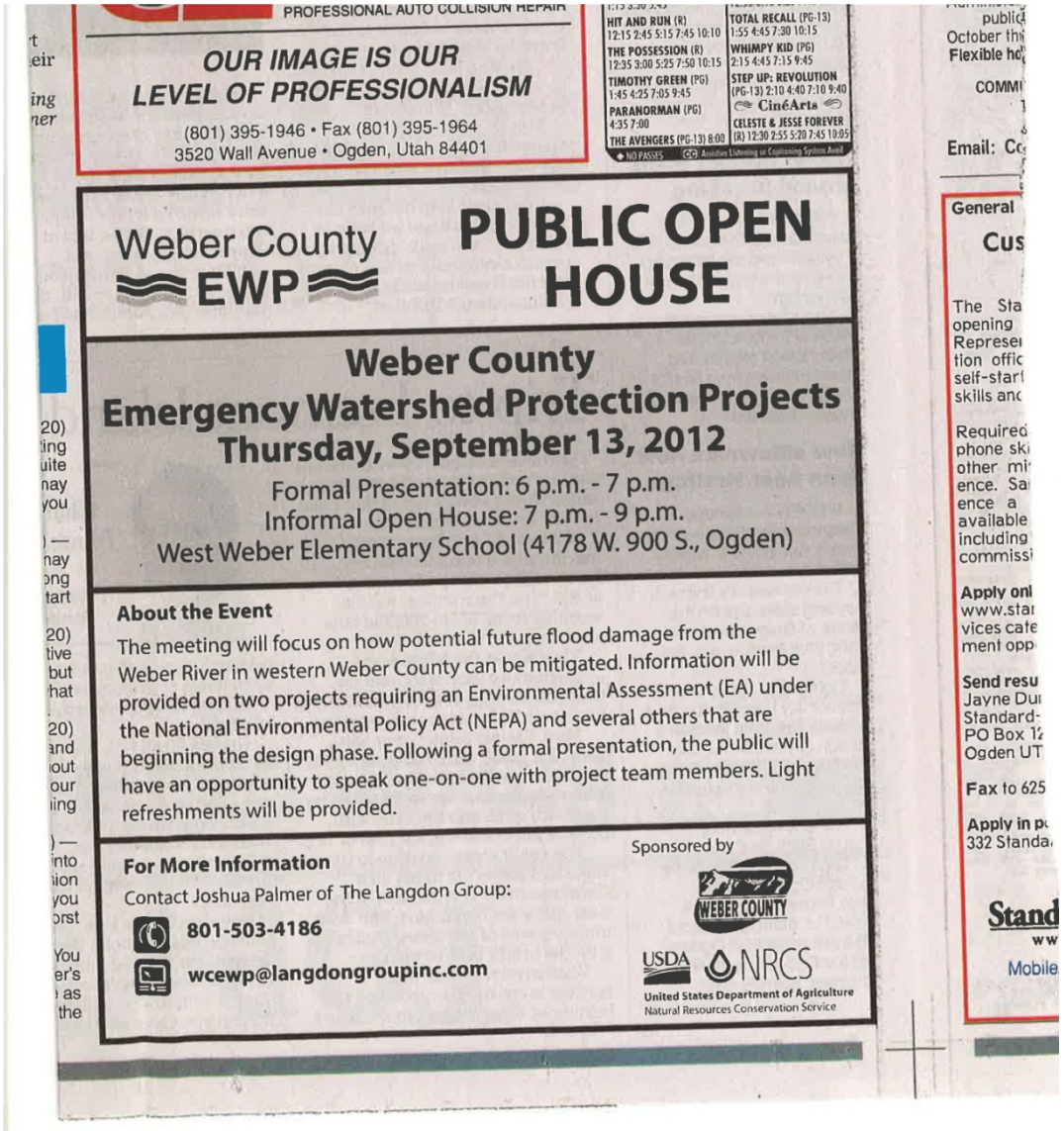
cc: Dan Turner – NRCS
Commissioner Kerry Gibson
Jared Andersen – Weber County
Lance Peterson – Weber County
Greg Allington – McMillen, LLC

APPENDIX B

NEWSPAPER SCOPING NOTICE AND MEDIA

Appendix B: Newspaper Scoping Notice and Media

Standard Examiner Newspaper Ad



PROFESSIONAL AUTO COLLISION REPAIR

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(801) 395-1946 • Fax (801) 395-1964
3520 Wall Avenue • Ogden, Utah 84401

HIT AND RUN (R) 12:15 2:45 5:15 7:45 10:10
THE POSSESSION (R) 12:35 3:00 5:25 7:50 10:15
TIMOTHY GREEN (PG) 1:45 4:25 7:05 9:45
PARANORMAN (PG) 4:35 7:00
THE AVENGERS (PG-13) 8:00
TOTAL RECALL (PG-13) 1:55 4:45 7:30 10:15
WHIMPY KID (PG) 2:15 4:45 7:15 9:45
STEP UP: REVOLUTION (PG-13) 2:10 4:40 7:10 9:40
CinéArts
CELESTE & JESSE FOREVER (R) 12:30 2:55 5:20 7:45 10:05

Weber County EWP

PUBLIC OPEN HOUSE

Weber County
Emergency Watershed Protection Projects
Thursday, September 13, 2012

Formal Presentation: 6 p.m. - 7 p.m.
Informal Open House: 7 p.m. - 9 p.m.
West Weber Elementary School (4178 W. 900 S., Ogden)

About the Event

The meeting will focus on how potential future flood damage from the Weber River in western Weber County can be mitigated. Information will be provided on two projects requiring an Environmental Assessment (EA) under the National Environmental Policy Act (NEPA) and several others that are beginning the design phase. Following a formal presentation, the public will have an opportunity to speak one-on-one with project team members. Light refreshments will be provided.

For More Information

Contact Joshua Palmer of The Langdon Group:

801-503-4186

wcewp@langdongroupinc.com

Sponsored by

WEBER COUNTY

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

Press Release

Weber County
Contact: Jared Andersen
Office: 801.399.8374
Email: jandersen@co.weber.ut.us

September 7, 2012
For Immediate Release

NRCS/Weber County Seek Public Input on Proposed Emergency Watershed Protection Projects
Open House Scheduled Sept. 13

WEBER COUNTY - The Natural Resources Conservation Service (NRCS) and Weber County will hold a public open house on **Thursday, Sept. 13 at West Weber Elementary School (4178 W. 900 S., Ogden)** to discuss Emergency Watershed Protection (EWP) program processes underway in western Weber County. The meeting will focus on how potential future flood damage from the Weber River can be mitigated.

The open house will begin with a formal presentation at 6 p.m. and then the public will have an opportunity to speak one-on-one with project team members from 7 p.m. – 9 p.m.

Following flooding in western Weber County in spring 2011, Weber County received federal funds through the NRCS's EWP program to address future flood events. The open house will include information on two proposed projects requiring an Environmental Assessment under the National Environmental Policy Act:

- Construction of a cut-off channel on the Little Weber River to divert water out of the Weber River during flood events;
- Repair of two water diversion structures on the Weber River at the Ogden Bay Waterfowl Management Area to allow higher volumes of water to pass through the structures during flood events.

Proposed flood mitigation projects in western Weber County which are currently in the design phase will also be explained in further detail at the open house. The projects include debris removal, bank stabilization, structural repairs and other needed improvements along the Weber River in the communities of West Weber, Marriott-Slaterville, Taylor, Hooper and Plain City.

The public can get more information by contacting the project team by phone at 801.503.4186 or email at wcewp@langdongroupinc.com.

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Standard Examiner Newspaper Article

Open house will address flooding dangers in Weber County

http://www.standard.net/stories/2012/09/12/open-house-will-address-flooding-dangers-weber-county

By Charles F. Trentelman
Standard-Examiner staff

Wed, 09/12/2012 - 8:30pm

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OGDEN — With Pineview Reservoir half full and fire dangers at an all-time high, it's hard to believe there was a time when Weber County was dealing with massive flooding.

But although that was a year ago, Weber County Engineer Jared Andersen hopes to make sure it doesn't happen again.

Andersen is holding an open house tonight at 6 p.m., at West Weber Elementary School, 4187 W. 900 South, to go over plans to mitigate flooding dangers in the county.

Weber County has received $14.3 million in federal funds to repair the damage from last year's flooding and improve protections. Andersen said he is already doing debris removal in the Weber River channel, and is ready to do some bank repairs, but needs public input before he starts most of the larger flood-control measures.

The hearing tonight will include an hour of formal presentation followed by two hours of discussion. Maps and charts of the problem areas will be available for the public to look at and comment on.

"We will have charts, plans and boards and a setting where people will be able to voice their opinion," he said, "whether its verbal or they just want to write it down. We really want to hear what people will say."

Heavy runoff in 2011 caused the Weber River to break through its banks in several places in the west part of Weber County, exposing weaknesses in the dike system along the river. Efforts to control the flooding by pumping water was only partially successful.

Andersen said the project is divided into sections. One is debris removal, just getting branches and other litter out of the river and stream beds, so water can flow more quickly.

Another is protecting the riverbanks from breaking and eroding.

"We've currently got 13 bank protection sites (areas where the bank needs shoring up)," he said. "Wherever that bank eroded or ate away or had significant damage."

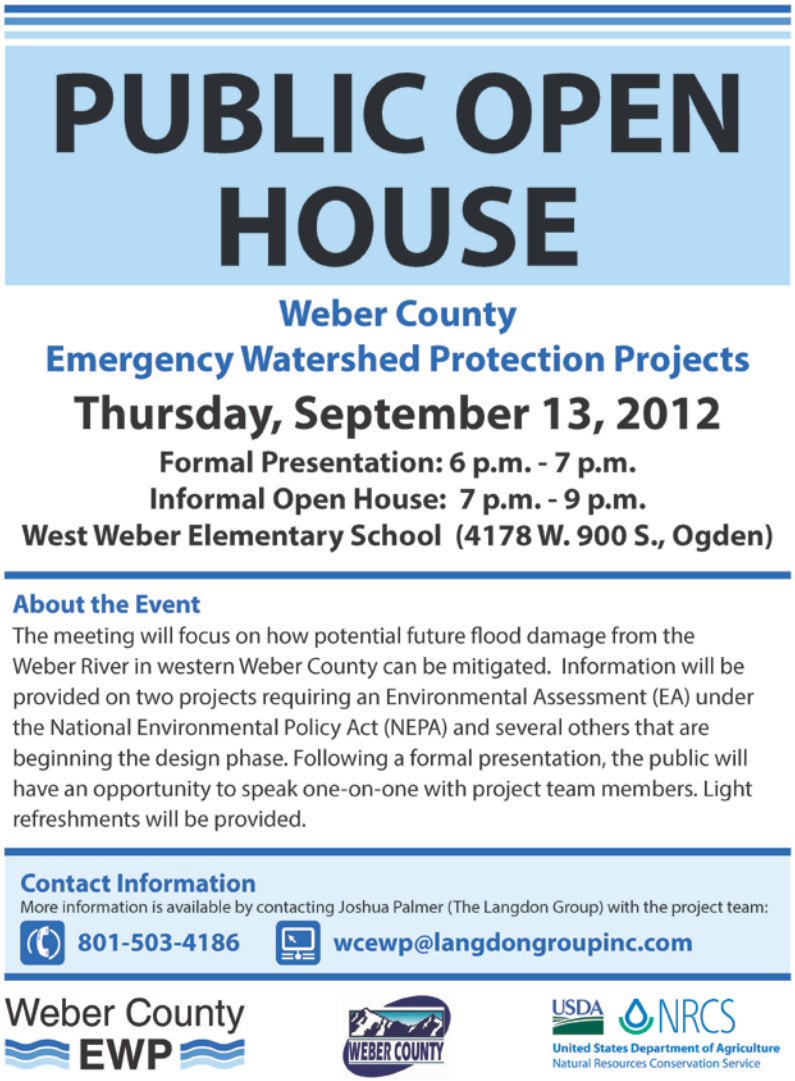
He said there were more than 13 areas where the river banks need work "but we had to prioritize the bank protection with the money that we received. So we have 13 sites where we will install erosion barriers," which can be anything from changing the slope of the bank to putting in rip-rap to prevent erosion

APPENDIX C

OPEN HOUSE POSTER DISPLAY BOARD

Appendix C: Open House Poster Display Board

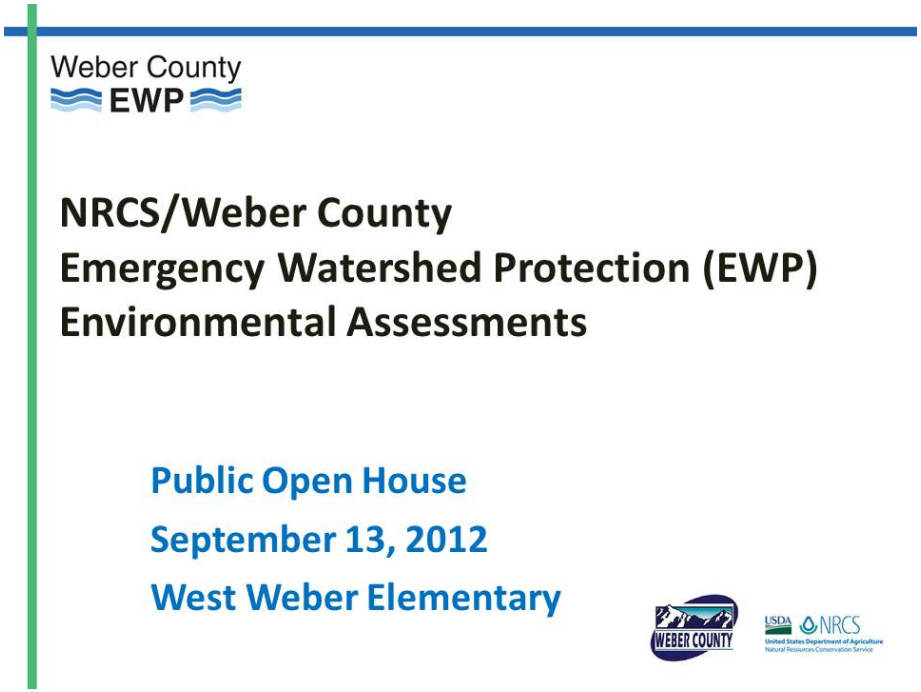
Publicity Poster

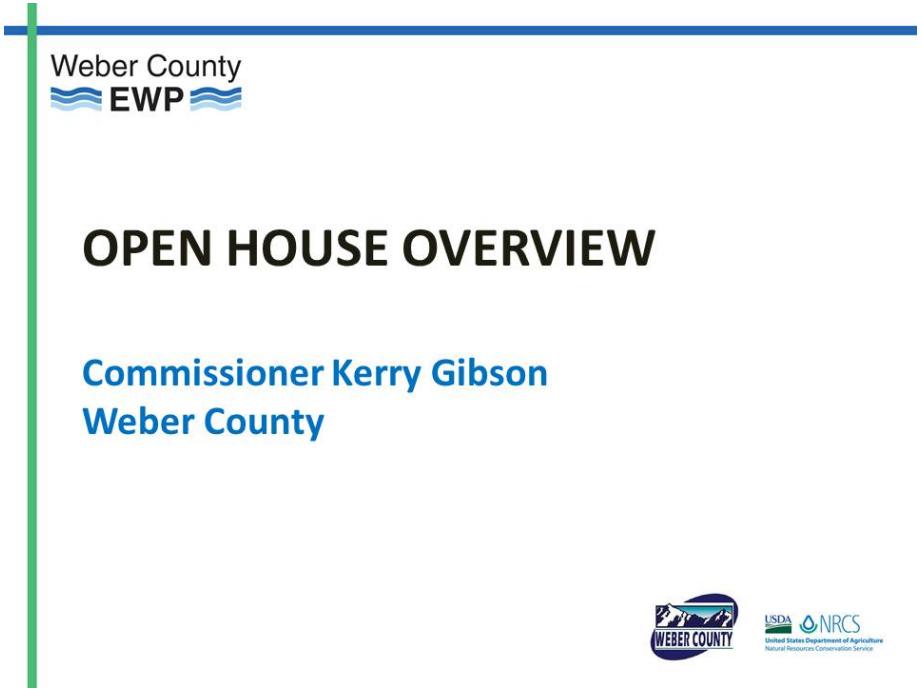


APPENDIX D

SCOPING MEETING PRESENTATION

Appendix D: Scoping Meeting Presentation
Presentation Slides





Weber County
EWP

EWP PROCESS REVIEW

Bronson Smart
Natural Resources Conservation Service (NRCS)

Weber County
EWP

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) ENVIRONMENTAL ASSESSMENTS

Greg Allington
McMillen, LLC

National Environmental Policy Act

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: Express initial concerns and suggest alternatives to be considered
  - Draft EA
  - Final EA

Weber County EWP

Typical Scoping Concerns

- Project Purpose and Need
- Design Alternatives
  - Including a No-Action Alternative
- Natural Environment
- Man-made Environment
- Mitigation

Weber County EWP

Scoping Comments

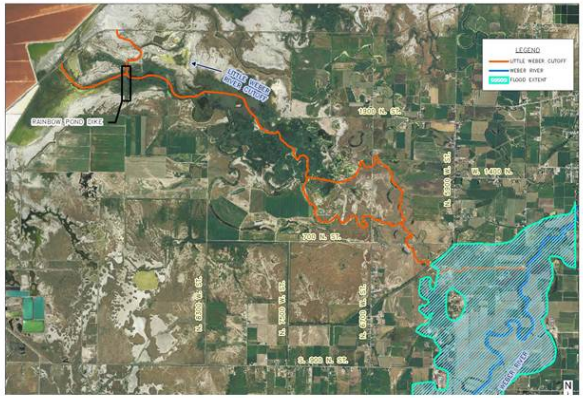
- Comments may be submitted by:
  - Email
  - Written Letter
  - Comment Card
  - Oral
- Scoping Report: Summarizes issues, alternatives and concerns from the public

Weber County EWP

Little Weber River Cut-off Channel Vicinity Map

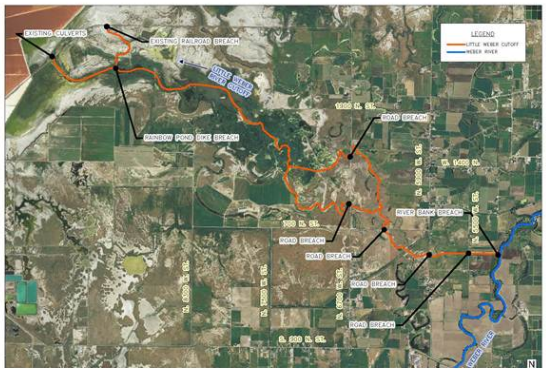
Weber County EWP

Little Weber River Cut-off Channel 2011 Flood Map



Weber County EWP

Little Weber River Cut-off Channel 2011 Breach Map



WEBER COUNTY

USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County EWP

WEBER COUNTY

USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County
EWP

Weber County
EWP

Weber County
EWP

Little Weber River Cut-off Channel Conceptual Project Alternatives

- No Action
- Little Weber River Cut-off Channel
- Dikes/Levees
- Other Alternatives???

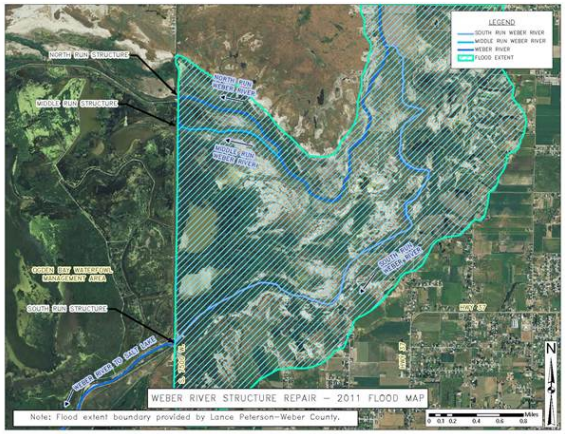
Weber County EWP

Weber River Structure Repair Vicinity Map

Weber County EWP

Weber County EWP

Weber River Structure Repair 2011 Flood Map

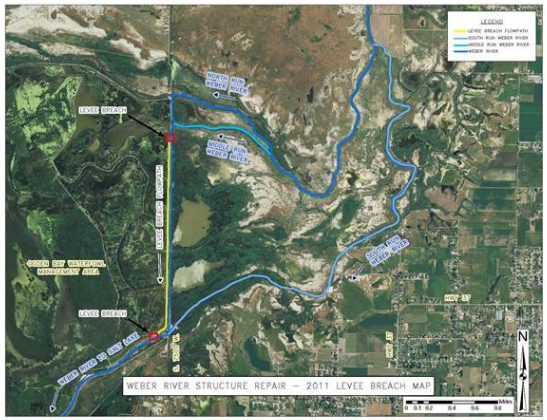


WEBER COUNTY

USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County EWP

Weber River Structure Repair 2011 Levee Breach Map



WEBER COUNTY

USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County
EWP

WEBER COUNTY
USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County
EWP

Weber River Structure Repair
Conceptual Project Alternatives

- No Action
- Structure Modifications/Upgrade
- Dikes/Levees
- Other Concepts???

WEBER COUNTY
USDA NRCS United States Department of Agriculture Natural Resources Conservation Service

Weber County EWP

Schedule

- NEPA Environmental
  - Start: July 2012
  - **Public Scoping Comment End: Sept. 28, 2012**
  - Draft EA Public Comment: Jan. 2013
  - End: Early Summer 2013
- Construction
  - Start: Summer 2013
  - End: Fall 2013

Weber County EWP

PUBLIC INVOLVEMENT

Joshua Palmer
The Langdon Group

Weber County EWP

Contact Information

Please contact Joshua Palmer with the Project Team with your questions and comments:

801.503.4186

wcewp@langdongroupinc.com

Weber County EWP

Open House Orientation

Deciphering between Design & Environmental (EA) Projects:

EA Projects:

- Little Weber River Cut-off Channel
- Weber River Structure Repair

Design Projects:

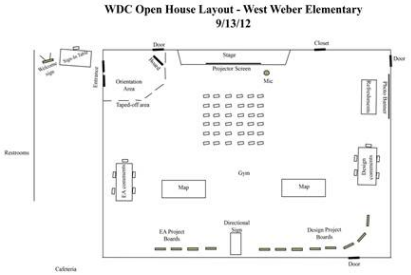
- Weber River Bank Protection
- Weber River Sediment Basin

Meeting Format:

The open house will begin with a formal presentation of the projects and then the public will have an opportunity to speak one-on-one with project team members.

Color-Coding

Design Projects EA Projects



APPENDIX E

COMMENTS AND SCANNED SIGN-IN SHEETS

Appendix E: Comments and Scanned Sign-In Sheets

Open House Attendee List and Commenter Reference Numbers

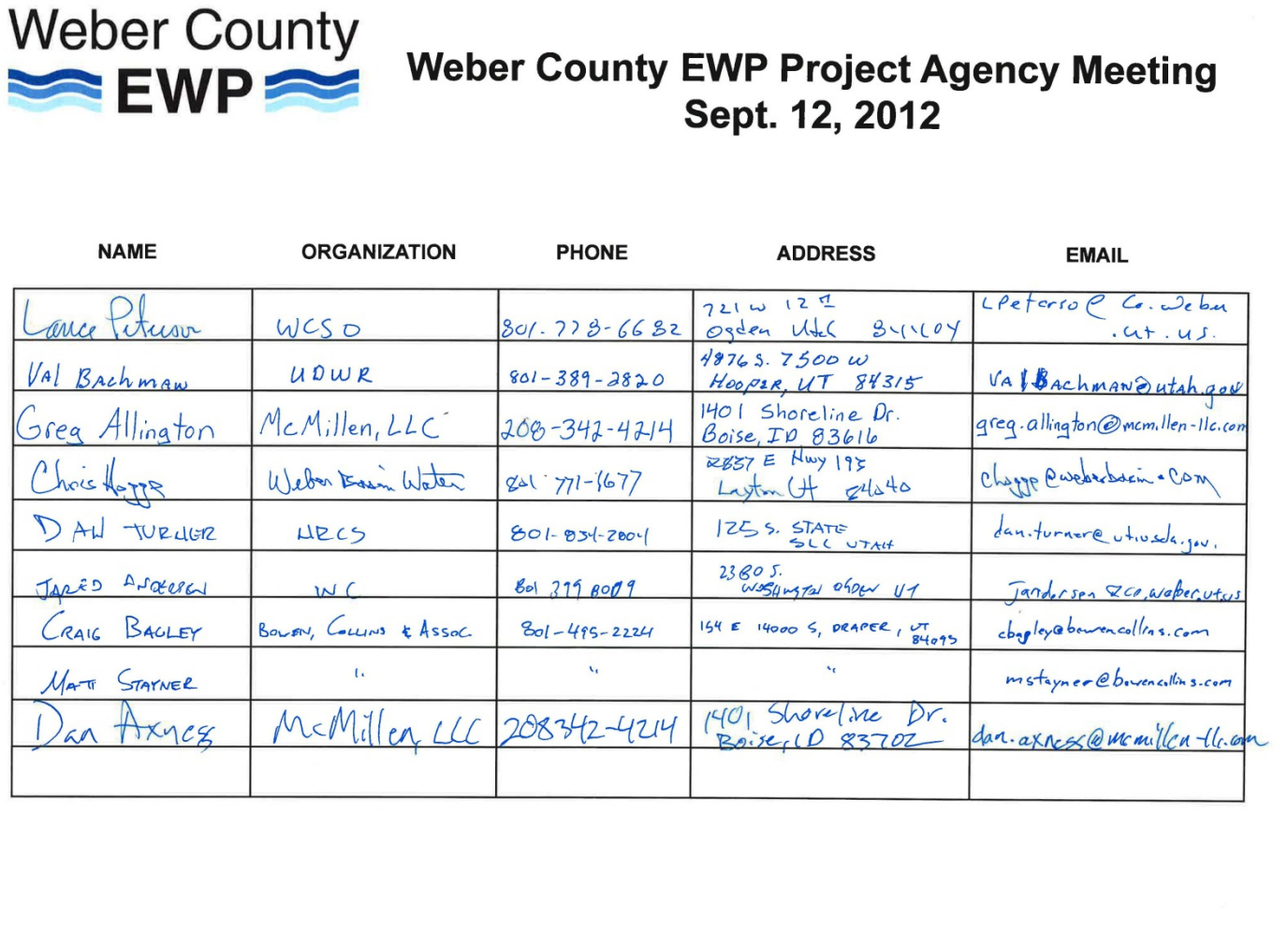
Commenter Reference #	Name	Organization	Phone	Address	City	State	Zip	Email
1	Martin Peterson		801-695-8764		Ogden	UT		
2	Sandra Palmer		801-731-7939		Plain City & West Weber	UT		jayandsandyp@q.com
3	Sue Strahan		801-731-7903	1324 N. 4700 W.	Plain City	UT		
4	Gary Nielsen		801-391-0932	455 N. 5900 W.	Warren	UT		glnpn@aol.com
5	Don Pearson		801-479-8766	1658 E. 6525 S.	Uintah	UT		depearso@yahoo.com
6	Blake Cutler		801-698-1197	971 S. 4100 W.		UT		
7	Corey Milne	Great Salt Lake Minerals	801-388-9220; 801-732-3312	1066 N. 3650 W.	Marriott-Slaterville	UT		coreyrmilne@gmail.com, milnec@compassminerals.com
8	Paul Burnett		801-436-4067	5279 S. 150 E.	Ogden	UT		pburnett@tn.org
9	Marilyn O'Dell		801-393-7225	1120 Canyon Rd. #260	Ogden	UT	84404	maodell2@gmail.com
10	Douglas Hansen		801-731-6568	164 S. 3600 W.	Ogden	UT		
11	Dax Kelson		801-949-8451	865 N. Valley View Dr.	Eden	UT	84310	daxkelson@gmail.com
12	Lowell Peterson		801-745-0396	3643 N. Elkridge Trail	Eden	UT	84310	lspksp@aol.com
13	Kevin Kent		801-731-0826	2463 S. 3500 W.	Taylor	UT	84401	khkent@msn.com
14	Bevery Johnson		801-393-6020	3651 Iowa Ave.	Ogden	UT		
15	Justin Dolling		801-541-0358	515 E. 5300 S.	Ogden	UT		justindolling@utah.gov
16	Lance P. Kelson		801-710-8194	3555 W. 300 N.	Ogden	UT		fond6jcrew@netzero.net
17	Tom Favero		801-544-6883	1295 N. 4700 W.		UT		
18	Ross Kelson		801-745-1292	987 N. Lakeside Dr.	Eden	UT		rosskelson@gmail.com

Open House Comment Matrix

Comment Category	Comment	Commenter
Project Updates	• Inform of meetings and send updates	2
Impacts at Waterfowl Management Area	• Existing head gate design and natural and man-made dikes at bird refuge act as a dam to the river • Removing the blockage near the bird refuge is critical to addressing flood problem ---------- • Research whether allowing more capacity through the Ogden Bay dike would make a meaningful difference to the river stage at different flows and how far upstream it would propagate ---------- • Consider constructing one main channel (straight shot) for the river from where it starts to breach the dikes (middle or south end) and provide one or several gated structures for unobstructed flow	10 ---------- 8 ---------- 10
Environmental Process	• NEPA process too long & complicated • Waste of tax dollars and time	10
Dredging	• Support regular dredging of river channel to preserve capacity; also to minimize the volume that would have to flow through the cut-off during a flood	4,7
Water Gages	• Why are there no water gages at the Weber River crossing at 900 S., railroad bridge or bird refuge?	4
Floodplain Restoration	• Flooding is a result of systemic problems of	8

Comment Category	Comment	Commenter
	straightening & stabilizing the river • Ultimate solution should provide room for the natural processes of the river to occur • Protect critical flood prone areas from future development • Develop overflow channels which mimic historical floodplain channels to improve overbank flood conveyance • Construct setback levees to allow the river to reconnect to its floodplain • Restore overflow channels over large cross-sectional areas to improve overbank flood conveyance and reduce river stage at given discharges	

Scanned Sign-In Sheets



Weber County EWP

Weber County EWP Project Agency Meeting
Sept. 12, 2012

NAME	ORGANIZATION	PHONE	ADDRESS	EMAIL
Lance Peterson	WCSO	801.778-6682	721 W 12th Ogden Utah 84404	LPeterso@co.weber.ut.us
Val Bachman	UDWR	801-389-2820	4876 S. 7500 W Hooper, UT 84315	valbachman@utah.gov
Greg Allington	McMillen, LLC	208-342-4214	1401 Shoreline Dr. Boise, ID 83616	greg.allington@mcmillen-llc.com
Chris Hoggs	Weber Basin Water	801-771-1677	2837 E Hwy 193 Layton UT 84040	choggs@weberbasin.com
DAN TURNER	NRCS	801-834-2804	125 S. STATE SLC UTAH	dan.turner@ut.usda.gov.
JARED ANDERSEN	WC	801 399 8089	2380 S. Washington Ogden UT	Jandersen@co.weber.ut.us
CRAIG BAGLEY	BOWEN, COLLINS & ASSOC.	801-495-2224	154 E 14000 S, DRAPER, UT 84093	cbagley@bowencollins.com
MATT STAYNER	"	"	"	mstayner@bowencollins.com
Dan Axness	McMillen, LLC	208342-4214	1401 Shoreline Dr. Boise, ID 83702	dan.axness@mcmillen-llc.com

Weber County EWP

Weber County EWP Project Open House
Sept 13, 2012

NAME	PHONE	ADDRESS	EMAIL
Douglas Hansen	801-731-6568	1645 3600W, Ogden	
Dax Kelsen	8019498411	867 N Valley View Dr, Eden 84310	Daxkelsen@gmail.com
LOWELL PETERSON	801-745-0346	3643 N. ELKRIDGE TRAIL EDEN UT 84310	LSPKSP@AOL.COM
KEVIN KENT	801-731-0826	2463 S. 3500 W TAYLOR, UT 84401	KHKent@msn.com.
Lance Peterson	801-778-6682	3881 W 2550 S. Ogden	
Beverly Johnson	801-3936020	3651 Iowa Ave ogden	
JUSTIN DOLLING	801-541-0358	515 East 5300 South ogden	justindolling@utah.gov
LANCE P. KELSON	801-710-8194	3555 WEST 3300 SOUTH OGDEN, UTAH	FONDKJCREW@NETZERO.NET
TOM FAVERO	801 5446883	1295 N 4700 W.	
Dan Axness	208-869-9919	1401 Shoreline Dr. Boise, ID 83702	dan.axness@mcmillen-llc.com

Weber County EWP

Weber County EWP Project Open House
Sept 13, 2012

NAME	PHONE	ADDRESS	EMAIL
Martin Peterson	801 695 7464	Ogden	
Sandra Palmer	801-731-7939	Plain City & West Weber	Jayand sandyp@q.com
Sue Strahan	801-731-7903	1324 N 4700 W Plain City	N/A
GARY NIELSEN	801-391-0932	455 N 5900 W WARREN	GLNPN@AOL.COM
Greg Allington	208-342-4214	1401 Shoreline Dr	greg.allington@mcmillen-llc.com
DON PEARSON	801 479 8766	1658 E. 6525 S. Uintah	dlepearso@yahoo.com
Blake Cutler	801 6981197	971 S 4100 W	
Corey Milne	801 3889220 801 732-3312	1066 N. 3650 W. MSC and Great Salt Lake Minerals	coreyrmilne@gmail.com milnec@compassminerals.com
Paul Burnett	801-436-4067	5279 S. 150 E. Ogden, UT	pburnett@tr.org
MARILYN O'DELL	801-393-7225	1120 CANYON RD #260 OGDEN 84404	MAODELL2@GMAIL.COM

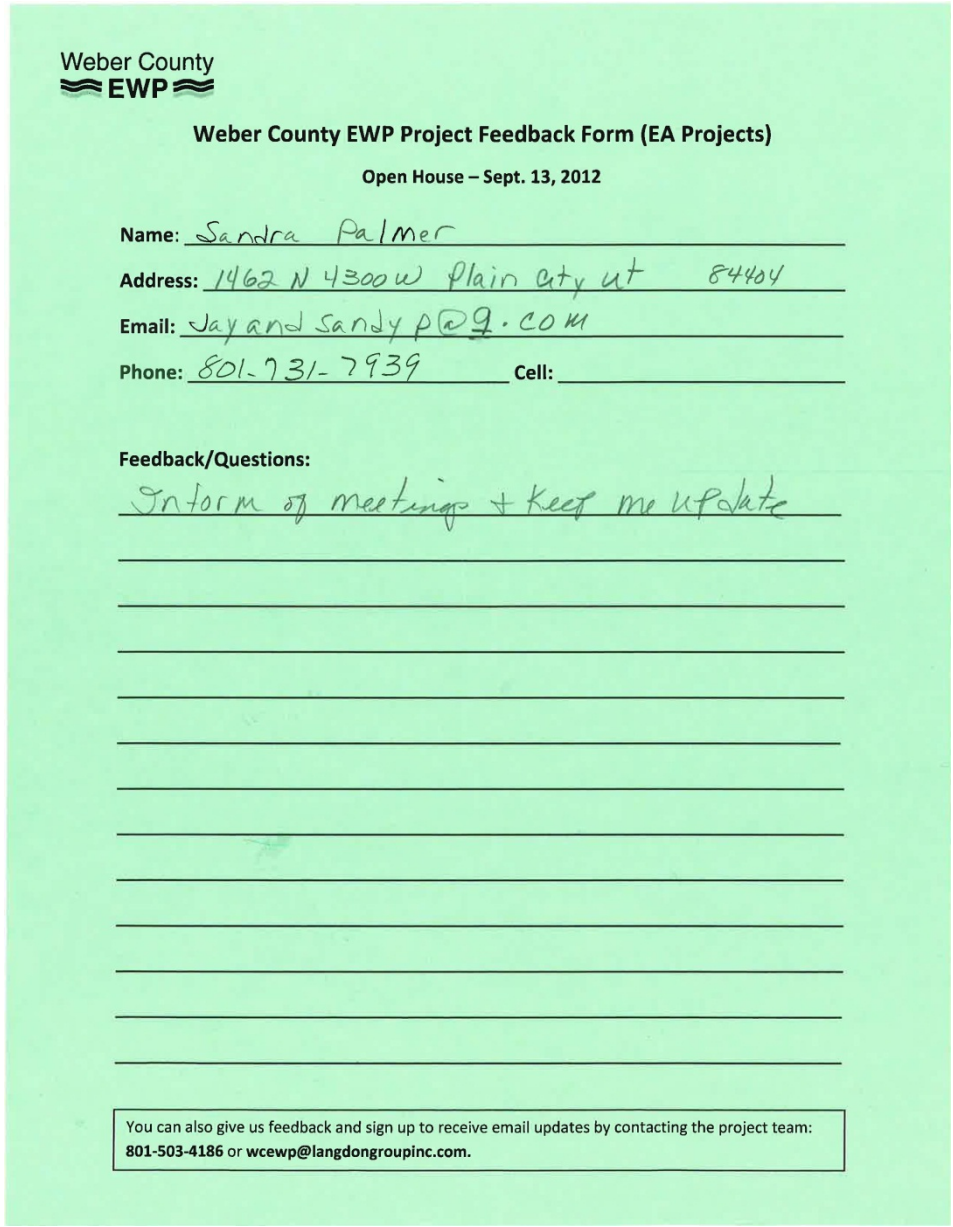
* set-up mtg. within week w/ Craig, Josh, Lance, & Jared

Weber County EWP

Weber County EWP Project Open House
Sept 13, 2012

NAME	PHONE	ADDRESS	EMAIL
Ross Kelson	801-745-1292	987 N. Lakeridge Dr. EDEN Utah	rosskelson@gmail.com

Scanned Feedback Forms



Weber County
EWP

Weber County EWP Project Feedback Form (EA Projects)

Open House – Sept. 13, 2012

Name: Sandra Palmer

Address: 1462 N 4300 W Plain city ut 84404

Email: Jayandsandyp@q.com

Phone: 801-731-7939 **Cell:**

Feedback/Questions:

Inform of meetings + keep me update

You can also give us feedback and sign up to receive email updates by contacting the project team:
801-503-4186 or **wcewp@langdongroupinc.com.**

Weber County
EWP

Weber County EWP Project Feedback Form (EA Projects)

Open House – Sept. 13, 2012

Name: Douglas Hansen

Address: 164 S 3600 W

Email:

Phone: 801-731-6568 **Cell:**

Feedback/Questions:

The one solution that makes the most sense for eliminating many of the lower Weber River problems is to remove the blockage area at the "end" of the river. This is the area by the Bird Refuge where the river splits into several major channels, and some minor channels, and then is "dammed" up with a couple of dikes. The system of natural and man made structures, has created a "dam" at the end of the river. Even though there are 3 headgates or control structures in the dikes to supposedly release water when necessary, ~~most~~ many residence know that when they were put in the "floor" of the headgates were higher than the bottom of the chanel, which would ~~of~~ itself act as a "dam" to the river. If the gates are almost never opened which a couple were not for many years, it affects the action of the river miles upstream. IT seem logical and sensable to

You can also give us feedback and sign up to receive email updates by contacting the project team:
801-503-4186 or **wcewp@langdongroupinc.com.**

me That a primary solution would be to construct one main Channel for The rive from where it starts to branch to The dikes - at The middle or south end, and provide one or several large gated structures for maximum ~~be~~ unobstructed flow of The water in The river. With a "straight shot" Through That area and Through The dikes, The water ~~com~~ would be unobstructed and Could gain The speed To pull water from up river and allow The river to handle more water.

With this Type of "Setup" even in low water The water in The river Could have The speed to help "flush" The bottom of The river, and create - on its own - an improved riverbed. This very Well Could reduce bank erosion ~~that~~ and The loss of vegitation along The river.

The primary, single most important project should be To open up The river in The area of The bird refuge To draw Water out of The river To improve The waterway and reduce problems that exist up river. I want to know, if This Solution makes Sense To Those who know ~~To~~ water and The lower Weber River, why would This not be a Solution if ~~the~~ not The Primary Solution?

‘

Weber County
EWP

Weber County EWP Project Feedback Form (EA Projects)

Open House – Sept. 13, 2012

Name: Douglas Hansen

Address: 164 S. 3600 W Ogden, UT 84404

Email:

Phone: 801-731-6568 **Cell:**

Feedback/Questions:

The Environmental Assessment (EA) requirements are a long, drawn out, Costly, ~~and~~ and inefficient wate of Time, ~~and~~ good manpower, and money. The process is far to long and too Complicated. ~~If~~ To Comply with the detailed and Complex requirements, requires a local agency to acquire The Services of "experts" who are great at Theory and "book learning", but not so good on practical, Sensable Solutions. They also take up a lot of "study" Time and Cost a lot of taxpayer dollars. The NEPA process, of which The EA falls under, is an inefficient process and grows the cost of any project. Some years ago The government had a big push for "lean Transformation." Why is it the EPA has not applied The lean process to its functions? ~~If it did, it's~~ Why doesn't it revalate The NEPA, and EA process to eliminate non-value added →

You can also give us feedback and sign up to receive email updates by contacting the project team:
801-503-4186 or **wcewp@langdongroupinc.com.**

‘’

requirements, processes, or functions? When "lean Transformation" has been correctly applied it has saved a great deal of Time and a lot of Taxpayer dollars.

Weber County
EWP

Weber County EWP Project Feedback Form (EA Projects)

Open House – Sept. 13, 2012

Name: Douglas Hansen

Address: 164 S 3600 W Ogden, UT

Email:

Phone: 801-731-6568 **Cell:**

Feedback/Questions:

What is the plan for the little weber cut-off channel between 5500 W and 5900 West in Warren? What work is planned, and what structures are to be installed? When would any work, if any start?

You can also give us feedback and sign up to receive email updates by contacting the project team:
801-503-4186 or **wcewp@langdongroupinc.com.**

Weber County
EWP

Weber County EWP Project Feedback Form (EA Projects)

Open House – Sept. 13, 2012

Name: Corey Milne, site manager

Address: Great Salt Lake Minerals (GSLM)

Email: milnec@compassminerals.com

Phone: 801-732-3312 **Cell:** 801-388-9220

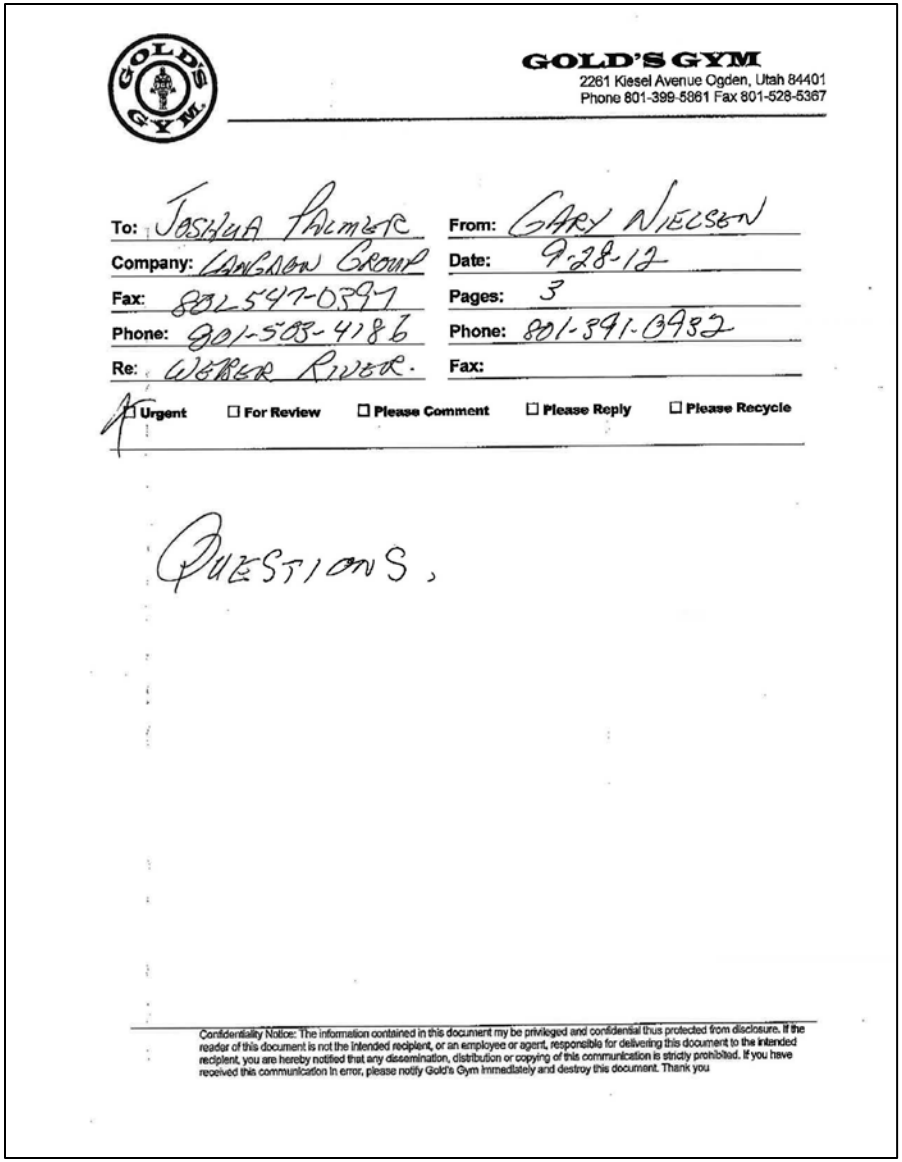
Feedback/Questions:

I can provide information about water level when the river bank breached and flowed northwest through the rail track dike around Great Salt Minerals solar evaporation pond dikes in 2011.

GSLM will support the cut-off channel so long as additional culverts can be safely installed beneath tracks to minimize the backup behind the tracks that occured in 2011.

GSLM ~~endo~~ encourages the regular dredging of the river's normal channel to preserve capacity and minimize the volume that would have to flow through the cutoff during a flood.

You can also give us feedback and sign up to receive email updates by contacting the project team:
801-503-4186 or **wcewp@langdongroupinc.com.**



GOLD'S GYM
2261 Kiesel Avenue Ogden, Utah 84401
Phone 801-399-5861 Fax 801-528-5367

To: JOSHUA PALMER
Company: LANGDON GROUP
Fax: 801-547-0297
Phone: 801-508-4186
Re: WEBER RIVER.

From: GARY NIELSEN
Date: 9-28-12
Pages: 3
Phone: 801-391-0982
Fax:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

QUESTIONS,

Confidentiality Notice: The information contained in this document my be privileged and confidential thus protected from disclosure. If the reader of this document is not the intended recipient, or an employee or agent, responsible for delivering this document to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify Gold's Gym immediately and destroy this document. Thank you

Weber County Emergency Watershed Projects
c/o The Langdon Group
466 North 900 West
Kaysville Ut 84037

September 28,2012

Dear Sirs,

My name is Gary Nielsen; my address is 455 N. 5900 W. warren Ut 84404. My home and 160 acres of property are located on the so called Little Weber drainage. The roadway 5900 W was cut in the floods of 1983 and 2011 directly in front of my property.

I have several concerns and questions concerning this project. I will address each question separately.

1. What legal right does a county have to create a river channel through private property where no such channel previously existed?
   Do property owners receive any compensation for damage caused by diversion of the Weber River through private property?

2. According to USGA data, the historical floods flows at Plain City occurred on the Weber River as follows.

1922	7100 cps	
1952	10,100 cps	
1983	7250 cps	
1984	5590 cps	no flooding on Little Weber
1986	5760 cps	no flooding on Little Weber
2011	5040 cps	Flooding caused by vibration of pumps placed on bank.

It is clearly evident that the river flows historically have been much higher when flooding occurred.
Why can't the river be dredged and obstruction be removed to allow the larger flows the river channel should be capable of handling?

3. The river broke in 1952 at the same point as in 2011. After the break in 1952, the bank was built up substantially and that area was the one of the strongest on the west side of the river. The river broke in 1983 almost ¼ mile upstream from the point in 1952. The local farmers state that the 1983 break was caused because certain farmers were removing dirt off the river bank for a long time previous to the flood.
In 2011, the break in the bank at one of the strongest point was caused by the installation of Diesel powered, skid mounted pumps that ran for 12 hours before the bank was loosened by vibration and the dirt bank collapsed.

Why would the county consider putting a diversion structure in at the point of the man-made break in 2011 that will require breaching 3 additional roads?

There is a better possible diversion point. The oxbow on 900 S would allow for a diversion structure that would only have to cross 5900 W. The pond on the west side of 5900 W. could be dredged to carry the water around the back side of the hill. This would eliminate the breaching of 5500 W. This is a better place to divert water but is still not the preferred solution of cleaning the original riverbed.

4. Why is there no water gauge at the crossing of the Weber River at 900 s. or on the railroad bridge? Why is there no water gauge anywhere in the bird refuge to tell how much water is running through there?

5. Why is there not a entity in charge that can control Weber Basin, Weber County, and Division of Wildlife at times of emergency?

6. The flood in 2011 started on Thursday June 9th with a flow of 5040 cfs. On Tuesday June 14th the flow was reduced to 4500 cfs.

There was no reason to have the flood last year and the public was misinformed about the reasons and lack of controls.

Who was responsible for the flows and who reduced them?

7. What are the elevations from the Weber River to the Great Salt Lake along the Little Weber Drainage?

The water currently in that drainage doesn't drain and releasing 100o cfs of water will flood thousands of acres. You can't dig a channel through that area and contain the water. Any channel will become a slew and only become a breading ground for mosquitoes.

I would be glad to tour any engineers or officials through my property to discuss drainage and solutions.

I feel that a new river channel would be disastrous and would not solve the basic problem of getting the river to handle the historic flows. I am willing to accept natural disasters and have spent considerable money and resources' repairing last year's flooding which was unnecessary and have received no compensation for my expenses. If man made causes for flooding occur in the future, I will be seeking all legal recourses for relief.

Sincerely,

Gary Nielsen
455 N. 5900 W.
Ogden Ut 84404
Cell 801-391-0932

Paul Burnett
Director /Weber River Home Rivers Initiative
5279 South 150 East
Odgen, UT 84405
801-781-7180
e-mail: pburnett@tu.org

28 September 2012

To whom it may concern:

On behalf of Trout Unlimited ("TU"),[1] I write to express appreciation for the opportunity to attend public meetings and to provide comments on the NEPA scoping of the Weber River EWP project. Because the project is being implemented in two components (e.g. the Bank Stabilization/Debris Clearing and the Little Weber River Diversion – Ogden Bay WMA dike) our comments will be organized as such.

We appreciate the challenges that Weber County faced during the spring of 2011. Trout Unlimited was involved in a number of projects that also sustained damage from the extended duration of high water.

The Weber River is a dynamic system that provides benefits to agriculture, the communities through which it flows, the people who utilize its natural recreation amenities, and the fish and wildlife that depend greatly on the river and its associated riparian habitat. The Weber River throughout the Salt Lake Valley flows across a large delta system the river historically migrated across forming a broad floodplain as it flowed to the Great Salt Lake. Because of the local geology, the Weber River typically conveys a highly mobile bedload and has banks comprised of highly erodible, poorly consolidated soils. Consequently, the river channel can change dramatically during high flow events.

Over the past century, the lower Weber River has been heavily altered by agricultural practices, transportation corridors and urban development. Upstream of western

[1] TU has approximately 1,500 volunteers and four full-time staff in the State of Utah. Our mission is to protect and restore coldwater fisheries and their habitats in Utah and across the West. Consistent with that mission, we strongly support efforts that improve water quality and aquatic habitat. We have extensive experience working collaboratively with water users, federal and state biologists, and other non-governmental organizations in restoration across Utah with projects that improve water delivery systems while simultaneously improving habitat quality and connectivity ensuring the population resiliency of coldwater fish.

Weber County, the Weber River has been straightened and stabilized in an effort to control floods and make room for urban development. This has greatly decreased channel sinuosity reducing the in-channel floodwater capacity and disconnecting the historical floodplain, further reducing the flood conveyance capacity. To complicate matters, the river corridor has been artificially confined by berms, riprap and infrastructure along the channel in many locations, constraining the river and greatly limiting the natural processes that allow the river to shift its channel over the broad floodplain. The steep banks caused by these past and current management practices have become unstable, precluding important riparian vegetation from establishing along the Weber River. This combination of development and channel instabilities has contributed to the damage to infrastructure, degraded habitat, limited flood attenuation and altered flood flow conveyance.

It is reasonable to believe that much of the flood damage that occurred in 2011 is a result of the systemic problems described above and will require a watershed scale effort to avoid future flood damage. Although we understand and respect that many of the proposed actions may be critical to protect property and infrastructure in the short term, we urge the county to continue collaborating with surrounding communities, natural resource and water quality agencies, water suppliers and NGO's to begin addressing the challenges in the Weber River in a way that provides system-wide benefits to the people and wildlife that depend on the river.

Bank Stabilization/Debris Clearing

Although we recognize that the immediate concern is to address the bank instability and debris problems in a point-by-point method we urge the county to consider the bigger picture of watershed management. With good planning, we can all understand what the river is trying to do at these sites and throughout the watershed. With this understanding, we can all work together to begin developing alternatives other than traditional banks stabilization, which perpetuates the cycle of erosion and consequent stabilization. This is the cycle begun by generations before us and it continues to degrade habitat, flood conveyance and the value of the Weber River to our community. Where bank stabilization must be done, we urge the county to consider the softest approach to bank stabilization as possible. By pulling back vertical banks, terracing and installing the minimal amount of riprap, the naturally stabilizing riparian vegetation could establish, reducing the chances for further aquatic habitat degradation and possible continued lateral erosion.

EWP EA Projects

After learning about the proposed actions, TU has identified several potential impacts to the river, its fish and habitat and the overall value to the community. We urge the county to consider these key feasible alternatives to the proposed actions. These alternatives include:

1) Provide room for the natural processes of the river to occur. The key here is understanding that all rivers flood. Protecting the critical flood prone areas from future urban development limits the future expense of flood damage, improves habitat and water quality and provides benefits to the community, because they generally include potential pathways and recreational opportunities.
2) Develop overflow channels, which mimic historical floodplain channels improve overbank flood conveyance. Synonymous to the physical principles used to justify the enlargement of the water control structures on the Ogden Bay Dike, the same concepts can be applied to floodplain restoration. Restoring overflow channels increases the cross-sectional area through which floodwaters can be conveyed. A larger cross sectional area will reduce the river stage at given discharges.
3) Construct setback levees to allow the river to reconnect to its floodplain to allow for greater unimpeded floodwater conveyance while mimicking historical flow patterns, which provide a healthy river that is valuable to all of the people in the county. Consistent with the first point, developing setback levees allows the river to express the natural processes that maintains the balance in sediment supply/transport, and improves habitat and water quality. A river with room to flood without causing damage provides an entire suite of secondary benefits to the people and animals that live near and in the river.

Little Weber River Diversion

We believe there are five components of this project component that may impact the Weber River and the fish community.

1) First and foremost, what are the fish species that occur in this reach of the river, what are their habitat requirements, and how will the hydromodification caused by the Little Weber River Diversion affect those habitats?
2) The Weber River is peppered with obstructions that limit the connectivity of fish habitat and limit human recreational uses. We urge the county to ensure passage at this diversion structure and not add another impediment to fish and people.
3) There was no information at the scoping meeting regarding a usage plan for the Little Weber River Diversion. How frequently or at what stage will the diversion be operated?

4) Rivers carry not only water, but also sediment and debris. What will be the impact on sediment transport capacity of the river by removing ~1000cfs? Our concerns are related to the loss of habitat by sedimentation, and the possible loss in flood conveyance capacity caused by riverbed aggradation (due to the reduced sediment transport capacity). We would hate to see a future dredging scenario at the taxpayers' expense because sediment transport was not considered.
5) Finally, an unscreened diversion of 1000cfs presents a significant entrainment risk to the fish resident in the Weber River. As an example of the scale of risk, our monitoring data on a small (6-12 cfs) diversion at the mouth of Weber Canyon indicated that up to 3,500 fish of all species were entrained into the headgate over a single irrigation season. Although we suspect the Little Weber River Diversion would be operated for a much shorter time period, we think this diversion would have the potential to greatly impact fish populations living in the lower Weber River because of the volume of water removed and the fact that high water coincides with fish migrations.

Ogden Bay WMA Dike

We support actions that will improve water management within the Wetlands, which are a critically threatened habitat within the Weber River basin. However considering the scope and purpose of EWP, we urge the county to take a critical look at whether allowing more capacity through the dike would, indeed make a meaningful difference to the river stage at different flows and how far upstream that difference would propagate. Again, we would support the county in seriously considering the alternatives expressed above against this project component as part of the analysis in the EA.

Thank you for the opportunity to provide input on this project. Please do not hesitate to call me if you have any questions.

Sincerely yours,

Paul Burnett
Trout Unlimited

Conserving, protecting, and restoring North America's coldwater fisheries