



**Tibble Fork Plan-
Environmental Assessment**

Scoping Report

Final

Contract No. AG-3A75-C-10-0025
Task No. AG-8D43-D-12-0022

Dan Axness
Project Manager

February 25, 2013

McMILLEN, LLC

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SECTION 1

INTRODUCTION

1.0 Introduction

The Natural Resources Conservation Service (NRCS), in cooperation with the United States Forest Service (USFS), is proposing to perform rehabilitation of Tibble Fork Dam located within the boundary of the Uinta-Wasatch-Cache National Forest (UWCNF) in Utah County, Utah. NRCS performed an assessment of Tibble Fork Dam in 2004 and concluded that the dam does not meet current NRCS and Utah State Dam Safety regulations and engineering standards for a Class “C” dam (potential “Loss of Life”).

This project is being partially funded by the NRCS Small Watershed Rehabilitation Amendments (PL 106-472) which authorizes funding and technical assistance to rehabilitate aging flood control dams built under the Small Watershed Program (PL83-566). NRCS, as the lead federal agency, is initiating NEPA analysis in the form of a Supplemental Watershed Plan and Environmental Assessment (Plan-EA) to analyze impacts to the natural and human environment from this project. The EA will comply with the Council on Environmental Quality’s regulations at 40 CFR Parts 1500-1508 which require an evaluation of potential environmental impacts associated with federal projects and actions. The Plan-EA will comprise of the following elements:

- Alternatives analysis of potential options for structure rehabilitation;
 - No Action,
 - Dam Decommissioning,
 - Dam Rehabilitation-Replace Spillway, and
 - Dam Rehabilitation- New Spillway;
- 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.

The participation of the public is a vital component of the project so that those who are interested in or potentially affected by proposed alternatives have an opportunity to share their concerns and provide input regarding the Plan-EA during the initial stages of the process. This Scoping Report outlines the comments received from the agencies and general public during the scoping process.

1.1 Project Purpose and Need

In accordance with the rehabilitation provisions of NRCS’s Small Watersheds Program, Tibble Fork dam is eligible for rehabilitation funding due to its high hazard class and outdated infrastructure. The purpose of this project is to rehabilitate the dam to meet current Utah dam safety regulations, engineering standards, and stabilize the existing dam structures. The project would also restore the design storage capacity in the reservoir, enlarging the spillway to pass the Probably Maximum Flood, provide slope stability for seismic events, and as a result potentially increase the reservoir surface area. The life expectancy of the dam will be extended between a minimum of 50 and a maximum of 100 years once rehabilitated.

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 are 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 via oral and 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:

- December 31, 2012: Scoping Notice Mailed and Posted to NRCS Project Website, and Scoping Period Opened
- January 10, 2013: Public Notice Published in the Daily Herald newspaper
- January 13, 2013: Public Notice Published in the Daily Herald newspaper
- January 17, 2013: Scoping Meeting
- January 31, 2013: Scoping Period Closed

2.3 Scoping Notice

A scoping notice was prepared and sent to interested parties and regulatory agencies on Dec. 31, 2012 as well as posted on the NRCS project website. The list of recipients was prepared by the NRCS, USFS, and NUCWCD. The scoping notice gave a description of the project, location and overview, purpose and need, and requested public participation. The scoping notice also identified the location of public meeting, contact information to submit written comments, and the scoping period closure date. A copy of the scoping notice is attached in Appendix A. The scoping notice was also posted on the NRCS project website at http://www.ut.nrcs.usda.gov/programs/pl566/tibble_fork/index.html.

A public meeting announcement was published in the Daily Herald newspaper (based in Provo, Utah) announcing the project and public meeting. A copy of the newspaper public meeting announcement is attached in Appendix B.

2.4 Scoping Meeting

The primary purpose of the scoping meeting 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. To gather as broad an audience as possible, a combined government agency and general public scoping meeting was held Jan. 17, 2013 from 6:00 PM to 8:00 PM at City Hall in Alpine, Utah. The scoping meeting presentation can be found in Appendix C.

There were ten (10) public attendees and eight (8) project team members at the scoping meeting. Participants were invited to submit comments both orally and in writing either at the meeting or subsequently by mail, fax or e-mail during the scoping comment period. Attendance at the meeting was counted using a sign-in sheet that is located in Appendix D. Comment cards were handed out at the meeting which also provided a blank space to submit written comments.

An informal question and answer period followed the official presentation. This informal question and answer period was not part of the formal scoping comment process and the audience was informed of this prior to the start. Therefore, there are no comments from the informal question and answer period included in this scoping report.

2.5 Scoping Mailing List

The mailing list was prepared by the NRCS, USFS, and NUCWCD to inform the government agencies and general public about the scoping process for the project. A total of 123 mailings were sent to government agencies and 52 mailings were sent to the public.

SECTION 3 SCOPING COMMENTS

3.0 Scoping Meeting

The combined agency/public scoping meeting was conducted on Jan. 17, 2013 from 6:00PM to 8:00PM. There were ten (10) public attendees at this meeting and there were zero (0) written comments submitted.

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

Name	Organization	Title
Norm Evenstad	NRCS	Water Resource Coordinator
Ana Vargo	NRCS	Geologist
Jeff O'Connell	NRCS	Geologist
Mike Chamber	NUCWCD	Board Member
Jon Stansfield	USFS	Pleasant Grove District Ranger
Nelson Gonzalez-Sullo	USFS	Environmental Coordinator
Dan Axness	McMillen, LLC	Project Manager
Greg Allington	McMillen, LLC	NEPA Specialist

3.1 Oral and Written Comments

The scoping period officially opened on December 31, 2012 and ended on January 31, 2013 for a total of 31 days. Oral could have been submitted at the scoping meeting to a project team member or over the phone. There were zero (0) oral comments received from a commenter orally during the scoping period for the Tibble Fork Dam Rehabilitation project.

Written comments could have been submitted via mail, e-mail, facsimile, or comment card. There were seven (7) written scoping comments received from a commenter via comment document during the scoping period for the Tibble Fork Dam Rehabilitation project. Written comments are presented in Appendix D.

3.2 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 Scoping Comment Matrix in Appendix D.

- Archaeology
- Recreation
- Fishing
- Dam Design
- Contaminants
- Power Production

APPENDIX A
SCOPING NOTICE



December 31, 2012

Dear Interested Parties:

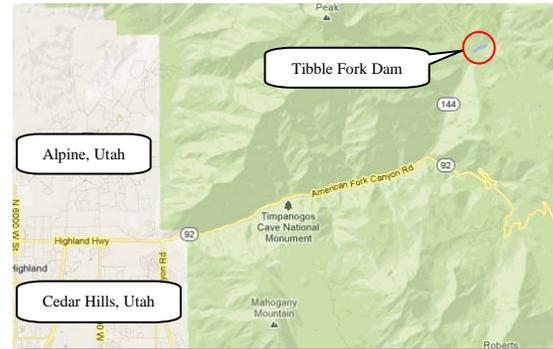
The Natural Resources Conservation Service (NRCS) is proposing to fund rehabilitation of the Tibble Fork Dam in the American Fork Canyon of northern Utah County, Utah. The proposed project is located approximately 10 miles north east of the city of Alpine, UT. **You are invited to attend a public scoping meeting** where a wide range of conceptual alternatives addressing dam rehabilitation will be presented and discussed during the meeting.

When: Thursday January 17, 2013

Time: Formal Presentation: 6 p.m. – 6:45 p.m.
Informal Open House: 6:45 p.m. – 8 p.m.

Where: Alpine City Hall
20 North Main St
Alpine, Utah 84004

More project specific information is available by contacting Greg Allington (McMillen, LLC) with the project team by phone at 208-342-4214 or email at tibbleforkdam@mcmillen-llc.com.



Environmental Assessment Introduction

The North Utah County Water Conservation District has requested financial and technical assistance for the proposed rehabilitation of Tibble Fork Dam. NRCS is partially funding the project through the Small Watershed Rehabilitation Amendments (PL 106-472) which authorizes funding and technical assistance to rehabilitate aging flood control dams built under the Small Watershed Program (PL83-566). NRCS, as the lead federal agency, is initiating NEPA analysis in the form of a Supplemental Watershed Plan and Environmental Assessment (Plan-EA) to analyze impacts to the natural and human environment from this project. The Environmental Assessment will comply with the Council on Environmental Quality's regulations at 40 CFR Parts 1500-1508 which require an evaluation of potential environmental impacts associated with federal projects and actions. This project is located within the boundary of the Uinta-Wasatch-Cache National Forest and the United States Forest Service is a cooperating agency.

Project Purpose and Need

The dam was planned and built for the primary purpose of sediment retention but also has additional recreational benefits. In accordance with the rehabilitation provisions of NRCS's Small Watersheds Program, Tibble Fork dam is eligible for rehabilitation funding due to its high hazard class (Class "C" potential loss-of-life) and outdated infrastructure. The purpose of this project is to rehabilitate the Tibble Fork Dam to meet current dam safety regulations, engineering standards, and stabilize the existing dam structures. The life expectancy of the dam will be extended for 50 to 100 years once rehabilitated.

Public Participation

The participation of the public is a vital component of the project so that those who are interested in or are potentially affected by the proposed project have an opportunity to share their comments, ideas, and concerns regarding actions during the initial scoping stage of the NEPA process. You are encouraged to attend the public meeting and express your comments, ideas, and concerns. You may also submit your comments via letter, email or fax anytime during the public comment period. For comments to be considered and to become part of the public record for the project, **we need to receive them by close-of-business on January 31, 2013.**

Please mail your written comments to:

Tibble Fork Dam Rehabilitation Project
c/o McMillen, LLC – Greg Allington
1401 Shoreline Drive
Boise, ID 83702

You may also submit comments by email, phone or fax to McMillen:

Email: tibbleforkdam@mcmillen-llc.com
Phone: 208-342-4214
Fax: 208-342-4216

After receiving comments by close-of-business on January 31, 2013, the NRCS will begin reviewing the comments and preparing conceptual alternatives for analysis in the Plan-EA. Preliminary resource concerns identified during this initial project scoping process will also be addressed in the Plan-EA.

To check on the status of the project and download project related documents during the course of the NEPA process please visit: <http://www.ut.nrcs.usda.gov/programs/pl566.html>.

The project team values your feedback and encourages you to attend the open house on January 17, 2013.

Sincerely,



Bronson Smart
NRCS State Engineer

cc: Norm Evenstad – NRCS
Nelson Gonzalez-Sullow – USFS
Jon Stansfield – USFS
Jay Franson – North Utah County Water Conservation District
Dan Axness – McMillen, LLC
Greg Allington – McMillen, LLC

APPENDIX B

NEWSPAPER PUBLIC MEETING ANNOUNCEMENT

...placing foster
...in the polygamist en-
...of Colorado City near the
...order and that's raising
...ns about their future
...rizona Child Protective
...es' judgment in finding
...for abused and neglect-
...
...ave County Supervisor
...Johnson has identified
...ter parent as a former
...r of the Fundamentalist
...of Jesus Christ of Lat-
...Saints whose family
...assigned" some years
...church leader Warren
...according to The Ari-
...epublic.
...on notified Arizona
...n Brewer this week
...ed Attorney General
...rne for help to bring
...back to Lake Havasu
...ere the child's mother
...s.
...oy and his two broth-

...from jail. The sect, a radical
...offshoot of mainstream Mor-
...monism, believes polygamy
...brings exaltation in heaven.
...Last year, Horne agreed to
...pay for Mohave County depu-
...ties to patrol Colorado City af-
...ter state lawmakers rejected a
...bill to abolish the Colorado City
...Marshal's Office.
...Horne said the marshal's of-
...ficers are FLDS followers and
...put Jeffs' orders above the law.
...Last June, the U.S. Justice
...Department sued the twin
...polygamist towns of Colorado
...City and Hildale, Utah, alleg-
...ing discrimination against
...residents who are not FLDS
...members.

...Department of Economic
...Security, which oversees CPS
...and the foster-care system, did
...not immediately respond to
...an email from The Associated
...Press. Horne's office also did
...not immediately respond to an
...email from the AP.
...Among the factors DES con-
...siders when deciding whether
...to license foster and adoptive
...homes is fitness of the parents,
...including mental health histo-
...ry, lifestyle, domestic violence
...or past illegal practices.
...Johnson has long been frus-
...trated by the lack of action
...by Utah and Arizona officials
...against the polygamous sect.
...In his letter to Horne,
...Johnson said Wayman was
...involved in a Las Vegas leas-
...ing company with ties to Jeffs,
...who's serving a life sentence in
...Texas for sexually assaulting
...two underage girls he consid-
...ered his brides.

...He said CPS recently moved
...the youngest to Dan Way-
...man's home and the boy's
...brothers to a foster home in
...Prescott.
...“His wife and children were
...taken away from (Wayman)
...by the priesthood,” Johnson
...told The Republic. “They got
...reassigned, so he’s a single
...man now.”
...Johnson has prodded state
...and federal officials for years
...to dismantle the polygamist
...FLDS. He said foster children
...should not be placed in Colo-
...rado City, where he believes
...child labor, arranged marriag-
...es and abuse run rampant.
...“You’re putting them in an
...environment where you’re set-
...ting them up to fail,” Johnson
...said. “They’re pretty much cut
...off from the real world.”
...Wayman did not immedi-
...ately return a phone message

...s approve central Idaho airport plans
...THE ASSOCIATED PRESS
...TUM, Idaho — The
...Aviation Administra-
...given approval to the
...Memorial Airport
...to pursue two pos-
...s to improve safety
...ngers flying into the
...ea of central Idaho,
...l said.
...Mitchell of Boise-based
...eers said the im-
...t will bring the air-
...eily into compliance
...ay safety standards
...ng and extending
...t's taxiways and re-
...port hangars.
...ho Mountain Ex-
...rted that Mitchell
...O Engineers will
...g for a replacement
...d that the FAA is

...paying for a siting study.
...The FAA says the airport
...should be improved or moved
...because expanding residential
...areas and high hills make the
...current airfield too dangerous
...for larger aircraft. Local lead-
...ers are concerned about the
...potential loss of commercial
...service and the economic dam-
...age to Blaine County where
...the tourist destinations of
...Sun Valley and Ketchum are
...located.
...“We need to move forward,”
...said Friedman Memorial Air-
...port Authority member Tom
...Bowman. “We should insist on
...relentless forward movement.”
...A plan to move the airport
...south stalled when expenses
...soared to more than \$300 mil-
...lion, forcing officials to consid-
...er expanding the current air-

...port to meet federal standards.
...In August of 2011, the FAA
...said it had stopped work on an
...environmental impact study
...on a new airport because of
...the increased costs and poten-
...tial impacts on wildlife.
...Currently, aircrafts such as
...the Horizon Air Q400 turbo-
...prop are allowed to fly into
...Friedman Memorial because of
...a special agreement between
...the airport and the FAA. That
...aircraft falls under a congress-
...sional mandate requiring
...runway safety standards that
...must be met by 2015.
...The requirements include a
...safety area that must be free
...of steep grades and bumps
...higher than 3 inches. The zone
...must also be at least 500 feet
...wide and centered on the run-
...way.

...The National Resources Conservation Service (NRCS) is proposing to fund rehabilitation of the Tibble Fork Dam in the American Fork Canyon of northern Utah County, Utah. The dam is located approximately 7 miles northeast of Alpine City. Tibble Fork Dam is located within the boundaries of the Uinta-Wasatch-Cache National Forest and the United States Forest Service (USFS) is a cooperating agency in the project. The purpose of this project is to rehabilitate the Tibble Fork Dam to meet current dam safety regulations, engineering standards, and stabilize the existing dam structures.

...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 with input from the public.

...You are invited to attend a public scoping meeting where a wide range of conceptual alternatives addressing rehabilitation to the Tibble Fork Dam will be presented and discussed at the meeting.

When: Thursday January 17, 2013 • **Time:** 6:00 PM to 8:00 PM
Where: Alpine City Hall • 20 North Main St • Alpine, Utah 84004

Interested parties may voice their comments, ideas, and concerns about the project during this meeting. Comments may also be submitted via the following methods prior to the end of the scoping period on January 31, 2013:

Mail: Tibble Fork Dam Rehabilitation Project • c/o McMillen, LLC – Greg Allington
1401 Shoreline Drive • Boise, Idaho 83702
Email: tibbleforkdam@mcmillen-llc.com • **Fax:** (208) 342-4216 • **Phone:** (208) 342-4214

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NRCS PUBLIC OPEN HOUSE

APPENDIX C
SCOPING MEETING PRESENTATION

NRCS Tibble Fork Dam Rehabilitation Supplemental Watershed Plan and Environmental Assessment

Public Scoping Meeting
January 17, 2013



Project Team

Natural Resources Conservation Service
(NRCS)
Lead Funding Agency

United States Forest Service
(USFS)
Cooperating Agency

North Utah County Water Conservancy District
(NUCWCD)
Project Sponsor

McMillen, LLC
NEPA Project Manager/Concept Design

Project Review



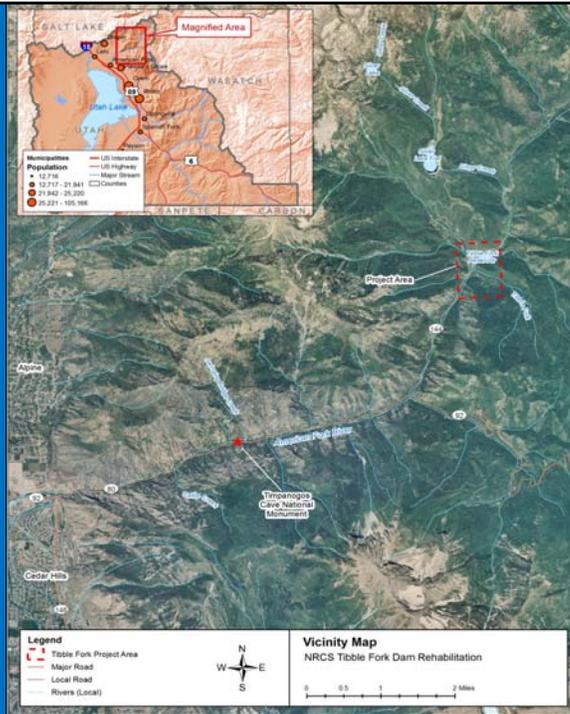
Dan Axness – McMillen, LLC
– Concept Design Project Manager

Tibble Fork Dam History

- Completed in 1966
- Classified as a Class “C” High Hazard Dam
- Originally Designed as a Debris Basin
 - Flood Retention
 - Sediment Retention
 - Recreation
- 50-year life



Project Vicinity Map



Project Purpose and Need

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

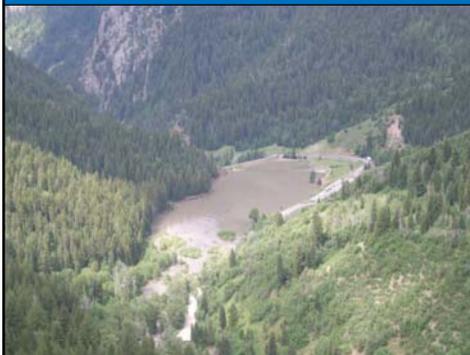
Project Map

Project Concerns

- Spillway
- Sediment in Reservoir
- Dam Stability
- Access Road



Photos



Tibble Fork Reservoir



Tibble Fork Dam Downstream Face

Photos



Tibble Fork Reservoir
(looking west)



Tibble Fork Reservoir
(looking southwest)

Photos



Summer Home Access Road
(looking east)



Parking Area
(looking west)

Photos



Spillway
(looking upstream)



Spillway Channel
(looking upstream)

Conceptual Project Alternatives

- No Action
- Dam Decommissioning
- Dam Rehabilitation (2 Options)
- Sediment Removal
- Summer Home Access Road Relocation
- Recreation Improvements
- Other Alternatives

Conceptual Project Alternatives

- Dam Rehabilitation Options
 - Stability Berm
 - Raise Dam
 - (1) Replace Existing
 - (2) Construct New



Construction Operations

- Approx. 10-30 trucks per day
- Monday-Friday (excluding holidays)
- Summer Home Access
- Preliminary Construction Schedule
 - Start: Spring 2016
 - End: Fall 2016

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 and USFS 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 and USFS

Typical Scoping Concerns

- Project Purpose and Need
- Design Alternatives
 - Including a No-Action Alternative
- 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: October 2012
 - **Public Scoping Comment End: January 31, 2013**
 - Draft EA Public Comment: Summer 2013
 - FONSI: Winter 2013/2014



NEPA Contact Information

- Please contact Greg Allington with McMillen with questions and comments:



Phone: 208-342-4214



Fax: 208-342-4216



Email: tibbleforkdam@mcmillen-llc.com



Address: 1401 Shoreline Drive
Boise, ID 83702

Informal Questions

???





APPENDIX D

COMMENTS AND SCANNED SIGN-IN SHEETS

Commenters

Commenter #	Name	Organization	Phone	Address	City	State	Zip	Email	Comment Document
1	Chris Merritt	Utah State Historic Preservation Office	801-245-7263	300 S. Rio Grande Street	Salt Lake City	UT	84101	--	Letter
2	Mike Dutton	General Public	--	--	--	--	--	mdutton@dolphincapitalgroup.com	Email
3	Dan Adams	General Public	--	--	--	--	--	karnieadams12@gmail.com	Email
4	Marisa Wright	General Public	801-900-1036	--	--	--	--	marisanwright@gmail.com	Email
5	Michael Slater	Utah Division of Wildlife Resources	801-491-5651	1115 N. Main	Springville	UT	84663	michaelslater@utah.gov	Email
6	Stewart Cowley	General Public	801-367-0072	--	--	--	--	stewart.m.cowley@gmail.com	Email
7	Kathleen Clarke	Utah Public Lands Policy Coordination Office	801-537-9801	5110 State Office Building	Salt Lake City	UT	84114	--	Letter

Scoping Comment Matrix

Comment Category	Comment	Commenter
Archaeology	Recommend assessing the structure's age and eligibility status to the National Register of Historic Places (NRHP).	1
	Current dam and reservoir could be covering the historical town of Deer Creek. NRCS and USFS should determine how to identify the presence of archaeological deposits during construction, determine integrity, and assess them for the NRHP.	1
Recreation	Provide access to Snowbird Ski Resort from Tibble Fork Reservoir by improving the road and extending the current ski lift in the Mineral Basin/Mary Ellen Gulch.	2
	Build a larger parking lot for four wheelers and horses above the existing parking area and the existing parking lot can be used for fishing access.	3
	UDWR does not want to lose shoreline recreational opportunities around Tibble Fork Reservoir.	5, 7
	Increasing the water level of the reservoir will result in inundation of gentle sloping shoreline frequented by fishermen as well as sections of the ADA access trail to the shoreline.	7
Fishing	UDWR sent a Creel Survey Report that was prepared for Tibble Fork Reservoir.	5
	The 166 acre-foot Conservation Pool that UDWR purchased needs to be maintained in the preferred alternative for the project.	5, 7
Dam Design	Try to incorporate dredging of sediment in the reservoir into the design. If the reservoir fills in with sediment again in fifty years it will be very difficult to raise the dam again. If not, UDWR recommends working with them to develop construction designs that provide gently sloping shorelines for fishing access.	5, 7
Contaminants	Read an article in the Daily Herald regarding arsenic in the reservoir. The commenter is very concerned and is willing to help the project in any discussions or committees set up for the project.	4
	There are technologies that could be used for on-site remediation of arsenic in the reservoir. The project should include bench-scale tests and pilot-scale tests to demonstrate the effectiveness of the technologies. This solution will cost substantially less than hauling and disposing of sediment in a hazardous waste landfill.	6
Power Production	Rebuild the dam and install a small power plant.	3

**NRCS Tibble Fork Dam Rehabilitation
Environmental Assessment
Public Scoping Meeting Sign-In Sheet**

January 17, 2013

Name/Agency	Phone	Address	Email
Mark Hales	801-450-9645	13976 Fairway Knoll Dr, Draper, UT 84020	markbhales@yahoo.com
RICHARD Mechem	801-319-4446	61 S 200 W Am. Fork 84003	richardmechem@gmail.com
Mike Slater/Ut. Div. of Wildlife Res.	801-491-5651	1115 N. Main Springville	Michaelslater@utah.gov
HUNT WILLOUGHBY	801-420-2797	20 N. MAIN, Alpine, UT	hwiloughby@alpinecity.org
Mike Chambers/MACWLD	801-414-1745	993 W 2700 N, Ph, UT 84067	MIKE@GARDNERWEB.NET
Nelson Gonzalez-Sullow/USFS	801-999-2171	854 W. South Jordan Parkway, South Jordan, UT	nelsongonzalez@sullow@fs.fed.us
Dee Fowler Tibble Fork <small>Cabin Owners</small>	801-765-9925	545 N. Center St. Lehi UT 84043	deefowler@q.com
LYNN RITCHIE/MAYOR <small>HIGHLAND</small>	801-756-5642	11071 N. MANOR DR. HIGHLAND, UT 84003	mayor@highlandcity.org
MIKE GOSSE	801-756-5239	TEMPANOGOS CAVE RR3, BOX 200 AMERICAN FORK, UT 84003	Michael_Gosse@NPS.GOV
Dustin Rowley	801-960-5879	686 N Blackhorse Loop Spanish Fork, UT 84660	drowley@uacd.org



**NRCS Tibble Fork Dam Rehabilitation
Environmental Assessment
Public Scoping Meeting Sign-In Sheet**

January 17, 2013

Name/Agency	Phone	Address	Email
Jim Ireland NATIONAL PARKS	801-756-5239	RR 3 Box 200, American Fork, UT 84003	Jim.Ireland@NPS.Gov
Caleb Warnock Daily Herald	801 592 3136		CWarnock@heraldextra.com
Greg Allington	208-342-4214	1401 Shoreline Dr. Boise, ID 83702	greg.allington@mcmillen-llc.com
Dan Axness	208-342-4214	1401 Shoreline Dr. Boise, ID 83702	dan.axness@mcmillen-llc.com



McMILLEN, LLC
DESIGN with Vision. BUILD with Integrity.



State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Department of Heritage and Arts

Julie Fisher
Executive Director

State History

Wilson G. Martin
Director

January 9, 2013

Green River Diversion
Rehabilitation Project
c/o McMillen, LLC – Greg Allington
1401 Shoreline Drive
Boise ID 83702

RE: Tibble Fork Dam Rehabilitation - American Fork Canyon, Utah County, Utah

For future correspondence, please reference Case No. 13-0065

Dear Mr. Allington:

The Utah State Historic Preservation Office received your request for our comment on the above referenced proposal on January 7, 2013. We appreciate the opportunity to comment on this project, and look forward to being included in all stages of planning for this proposed undertaking.

While it appears that the Tibble Fork Dam was constructed in the late 1960s, we recommend a report assessing the structure's age and eligibility status to the National Register of Historic Places (NRHP).

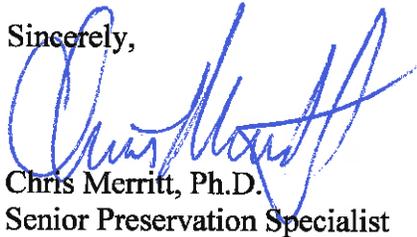
In addition, there is a high potential for the proposed undertaking to encounter significant archaeological materials during any ground disturbance activities, or potential draw-down of the reservoir water level.

Historical records indicate the town of Deer Creek, which supported the Forest City silver mines further north, stretched from near the current location of the dam northwards for several hundred yards. This town included several hundred residents at its peak in the 1870s, contained several large charcoal kilns, and was the terminus for the American Fork Railroad (1872-1878). Construction of the Tibble Fork Dam in the 1960s inundated the area of the potential townsite, and possibly capped the significant archaeological remains of this community.

Discussions between the NRCS and the Uinta-Wasatch-Cache National Forest regarding the proposed undertaking and alternatives should include how to identify the presence of archaeological deposits associated with Deer Creek or other site types, determine their integrity, and assess them for the NRHP. All of the NRCS proposed actions and alternatives have the potential for adverse impacts if there are indeed intact deposits.

This letter will serve as our comment for this phase of scoping, but we appreciate further information regarding this proposed undertaking. This is considered initiation of consultation under 36CFR800.4. If you have questions, please contact me at 801-245-7263 or Lori Hunsaker at 801-245-7241.

Sincerely,



Chris Merritt, Ph.D.
Senior Preservation Specialist

Commenter #2

From: tibbleforkdam@mcmillen-llc.com on behalf of [Mike Dutton](#)
To: greg.allington@mcmillen-llc.com
Subject: Recreation idea
Date: Thursday, January 17, 2013 10:11:40 PM

I read the story in the Daily Herald about the Tibble Fork Reservoir and the changes that need to be made. As you look for opportunities to create new recreational opportunities in the area, please consider providing access to Snowbird Ski Resort. A marginal expansion of the road pass the reservoir, plus an extension of the current ski lift in Mineral Basin/Mary Ellen Gulch, would provide residents of Northern Utah County to prime outdoor recreation.

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Commenter #3

From: tibbleforkdam@mcmillen-llc.com on behalf of [Dan Adams](#)
To: greg.allington@mcmillen-llc.com
Subject: tibble fork
Date: Friday, January 18, 2013 7:25:36 PM

why cant we rebuild the damm put in a small power plant that is good for the ecomany , the forest service needs to build a biger parking lot for four wheelers and horses so why not build a new parking lot up higher on the hill and make a parking lot for the fishing of the lakeit is not that hard to figure out....i

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Commenter #4

From: tibbleforkdam@mcmillen-llc.com on behalf of [Marisa Wright](#)
To: greg.allington@mcmillen-llc.com
Subject: Tibble Fork Dam
Date: Saturday, January 19, 2013 12:00:16 PM

To whom it may concern,

I was wondering when the next meeting will be held about the Tibble Fork Dam. I just read an article in the daily herald about the arsenic issues in the reservoir.

My name is Marisa Wright. I served as a Cedar Hills council member from 2008 to 2012. I am very concerned about the issues up at Tibble Fork. I am willing to be of help in any discussions or on committee of residents for input if one has been set up.

My family owns a cabin on federal land above the dam. I also am up in that canyon at least 4x a week for various recreation activities. I love the canyon, I also understand needs for improvement. With my city service background I believe I could be helpful to this project.

Contact me anytime it is convenient for you.

Sincerely,

Marisa Wright
Former Cedar Hills City Council Member

801-900-1036
Marisanwright@gmail.com

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From: tibbleforkdam@mcmillen-llc.com on behalf of [Michael Slater](#)
To: greg.allington@mcmillen-llc.com
Subject: Tibble Fork Dam Rehabilitation comments info
Date: Thursday, January 31, 2013 11:57:22 AM

Hello Dan and Greg,
As we discussed at the Scoping meeting on Jan. 17, 2013 I am attaching a Creel Survey Report for Tibble Fork Reservoir. This may provide some additional information regarding the recreation use and importance of Tibble Fork.

The important points I'd like to emphasize again that we have discussed regarding Tibble Fork Dam Rehabilitation are:

Recreation is very important, we do not want to lose the shoreline recreational opportunities that Tibble Fork offers the public, specifically the angling public (see some of the comments from the public in the creel survey report).

The 166 acre-foot Conservation Pool that UDWR purchased when the dam was originally constructed needs to be maintained and incorporated in the preferred option for dam rehabilitation so a productive fishery can be provided to the public. Outlet works should be constructed in a way to facilitate this both fiscally and in a dam operation plan.

We hope that an alternative including dredging of some of the materials that have filled much of the reservoir can be evaluated. Fifty more years from now when this problem surfaces again it will be very difficult to simply raise the elevation of the reservoir again and maintain these same goals again.

Thanks again for our discussions over the phone and at the meeting. I hope this email covers all the items we have been discussing sufficiently. Please be advised that an official letter from the Utah Division of Wildlife Resources is being reviewed and sent to you from our Governors Office of Planning and Budget stating our recommendations and comments regarding the rehabilitation of Tibble Fork Dam.

--

Mike Slater
Regional Aquatic Program Manager
Utah Division of Wildlife Resources
1115 N. Main
Springville, UT 84663
e-mail: michaelslater@utah.gov
Phone: 801-491-5651

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From: tibbleforkdam@mcmillen-llc.com on behalf of [Stewart Cowley](#)
To: greg.allington@mcmillen-llc.com
Subject: Arsenic Removal
Date: Thursday, January 31, 2013 3:32:57 PM

Dear Tibble Fork Reservoir Project Leaders:

My name is Stewart Cowley. I am an environmental consultant based in Utah County.

With regards to the problem of arsenic contamination in the reservoir sediment, there are technologies which could be utilized for on-site remediation. Treatment stations could be installed to process the sediment after it has been dredged, and to treat water before it leaves the site.

A specialized microbe culture developed in Utah County, together with a patented microbe enhancement technology available through a Salt Lake City-based company called INOTEC can be utilized to remove the arsenic. The INOTEC process has been used successfully in a number of mine tailing reclamation projects. It has been demonstrated in pilot scale tests to be effective in the removal of arsenic from both sediments and water.

We request a meeting with Tibble Fork Reservoir Project officials to be able to provide detailed information regarding these proposed technologies. We recommend that the best course of action should include bench-scale tests and pilot-scale tests to demonstrate the effectiveness of the technologies in this application and to provide specific parameters for this project. We believe this will be the best option for dealing with this problem. We are confident that this solution will cost substantially less than hauling and disposing of the sediment in a hazardous waste landfill.

As local citizens who have long-enjoyed the beauties of American Fork Canyon and the Tibble Fork Reservoir area, we have a great interest in resolving this arsenic contamination problem. We look forward to being able to meet with you further discuss our very practical solution.

Thank you for your time and consideration. We will look forward to your response.

Best Regards,

Stewart Cowley
801-367-0072
stewart.m.cowley@gmail.com

and associates:

Carl Warnick
801-735-6542
carlwarnick@gmail.com

Jack Adams, Ph.D.
President, INOTEC

801-712-2760

jack.adams@utah.edu

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State of Utah

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Commenter #7

Office of the Governor
PUBLIC LANDS POLICY COORDINATION OFFICE

KATHLEEN CLARKE
Director

February 4, 2013

Tibble Fork Dam Rehabilitation Project
c/o McMillen, LLC – Greg Allington
1401 Shoreline Drive
Boise, ID 83702

Subject: Rehabilitation of Tibble Fork Dam
RDCC Project No. 37163

Dear Mr. Allington:

The State of Utah, through the Public Lands Policy Coordination Office (PLPCO), has reviewed this project. Utah Code (Section 63J-4-601, et. seq.) designates PLPCO as the entity responsible to coordinate the review of technical and policy actions that may affect the physical resources of the state, and to facilitate the exchange of information on those actions among federal, state, and local government agencies. As part of this process, PLPCO makes use of the Resource Development Coordinating Committee (RDCC). The RDCC includes representatives from the state agencies that are generally involved or impacted by public lands management.

**Department of Natural Resources
Division of Wildlife Resources**

This reservoir is an important brown and rainbow trout recreational fishery. Utah Division of Wildlife Resources (UDWR) owns a 166 acre-foot conservation pool in the reservoir basin for fish habitat. Over the years, sediments have accumulated in the reservoir basin so that the total capacity of the existing dam is presently at 108 acre-feet. The current plan for rehabilitation of the dam will increase the capacity to 250 acre-feet. Most fishing on the reservoir occurs along the banks of the reservoir. Increasing the reservoir capacity by increasing the height of the dam will inundate the gentle sloping shoreline frequented by fishermen. In addition, sections of the ADA access trail to the shoreline would also be inundated at higher water levels.

Greg Allington
February 4, 2013
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UDWR recommends removing sediment to increase reservoir capacity to accommodate the 166 acre-foot conservation pool. If sediment removal is not possible, UDWR recommends the proponents work with UDWR staff to develop construction designs to provide gently sloping shorelines for fishing access.

If you have any questions, please call Michael Slater, Aquatic Resources Manager (801-491-5651) or Doug Sakaguchi, Habitat Biologist (801-491-5653), both at the Central Region office in Springville, Utah.

The State of Utah appreciates the opportunity to review this proposal and we look forward to working with you on future projects. Please direct any other written questions regarding this correspondence to the Public Lands Policy Coordination Office at the address below, or call Judy Edwards at (801) 537-9023.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Clarke', with a long horizontal flourish extending to the right.

Kathleen Clarke
Director