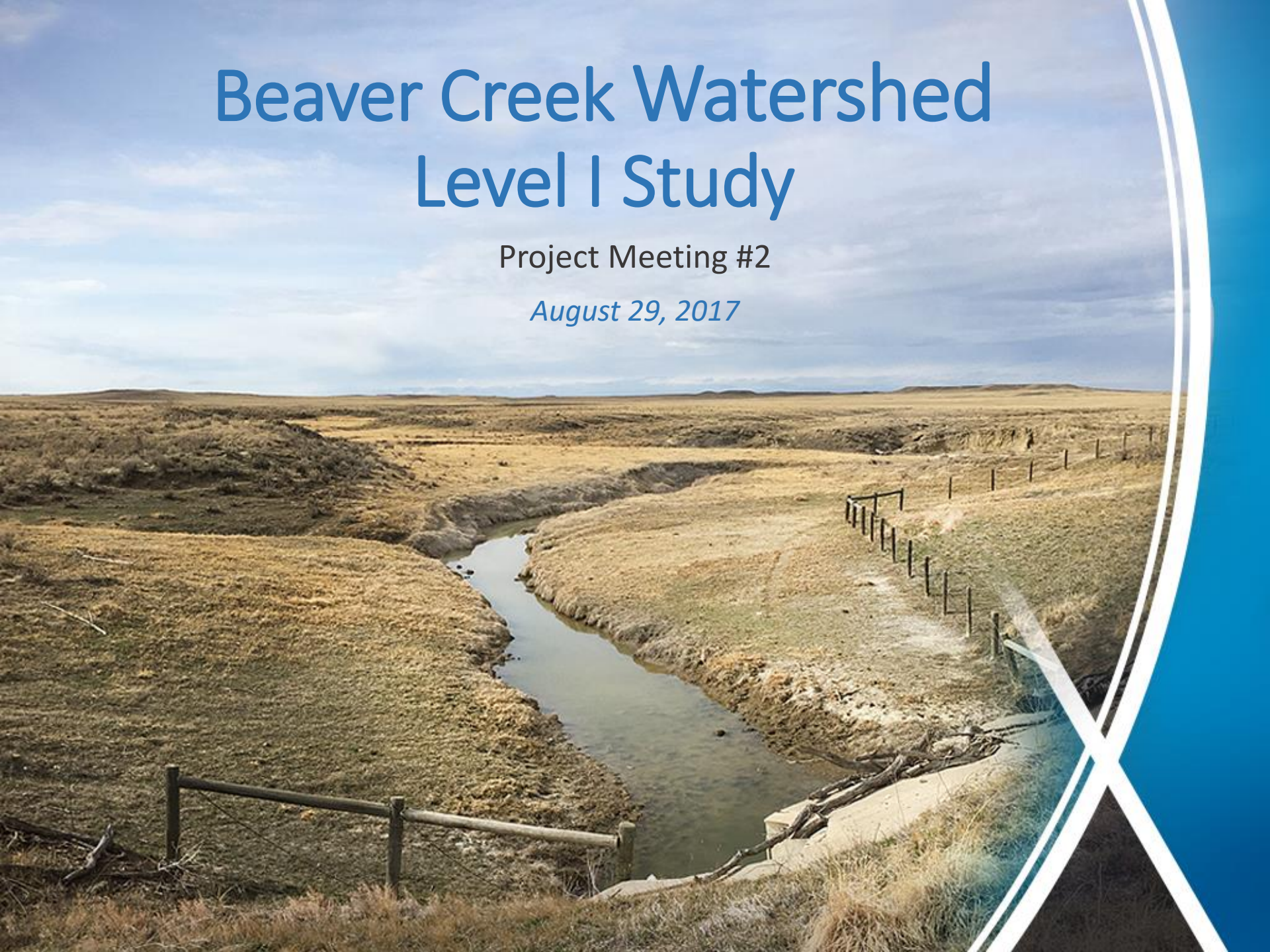


Beaver Creek Watershed Level I Study

Project Meeting #2

August 29, 2017



WELCOME!!!

Watershed Meeting Topics

- Watershed Study Introduction
 - Current Status
 - Surface Water Storage Site Evaluations
 - Thunder Basin Grazing Association Discussion
-
- Wrap up
 - Question/Answer and Open House Style

Who is completing the study?

- Wyoming Water Development Office
 - *Funding and Project Management*
- Weston County Natural Resource District
 - *Sponsor*
- Olsson Associates and Steady Stream Hydrology
 - *Engineering Support*



What is a watershed study?



The objective of a Watershed Study is to

- *Evaluate an individual watershed's existing conditions*

And from collaboration with landowners, stakeholders, and public outreach

- *Develop a Watershed Management and Rehabilitation Plan*
- *To identify projects that are eligible for funding that may improve or maintain watershed function and systems*

What do we do?

A Holistic Approach to Watershed Management



- Collect watershed information
 - Document and map conditions
 - Identify improvements
 - Develop costs and funding options
- The watershed study makes projects eligible for funding through the WWDC

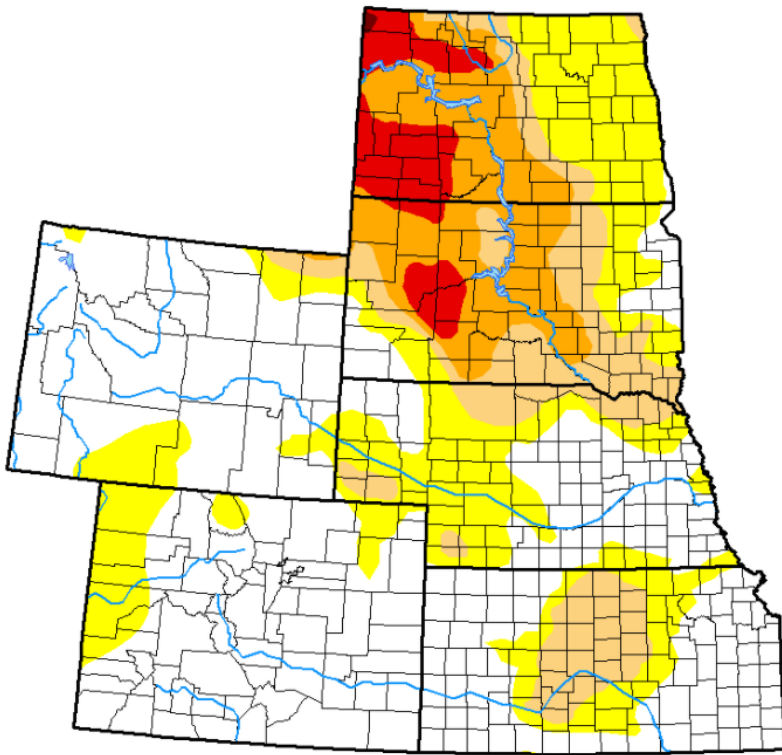
U.S. Drought Monitor

High Plains

August 22, 2017
 (Released Thursday August 24, 2017)
 Valid 8 a.m. EDT

Statistics type: Traditional Percent Area

Export table: [PNG](#) [CSV](#) [XLS](#)



Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2017-08-22	52.57	47.43	24.99	13.93	4.16	0.05
Last Week 2017-08-15	49.29	50.71	28.68	16.37	6.96	0.71
3 Months Ago 2017-05-23	83.84	16.16	1.93	0.00	0.00	0.00
Start of Calendar Year 2016-12-27	50.65	49.35	21.54	4.05	0.00	0.00
Start of Water Year 2016-09-27	70.86	29.14	8.66	2.68	0.17	0.00
One Year Ago 2016-08-23	64.09	35.91	11.42	4.08	0.72	0.00

Estimated Population in Drought Areas: **956,700**

[View More Statistics](#)

Intensity:

- D0 (Abnormally Dry)
- D2 (Severe Drought)
- D4 (Exceptional Drought)
- D1 (Moderate Drought)
- D3 (Extreme Drought)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying [text summary](#) for forecast statements.

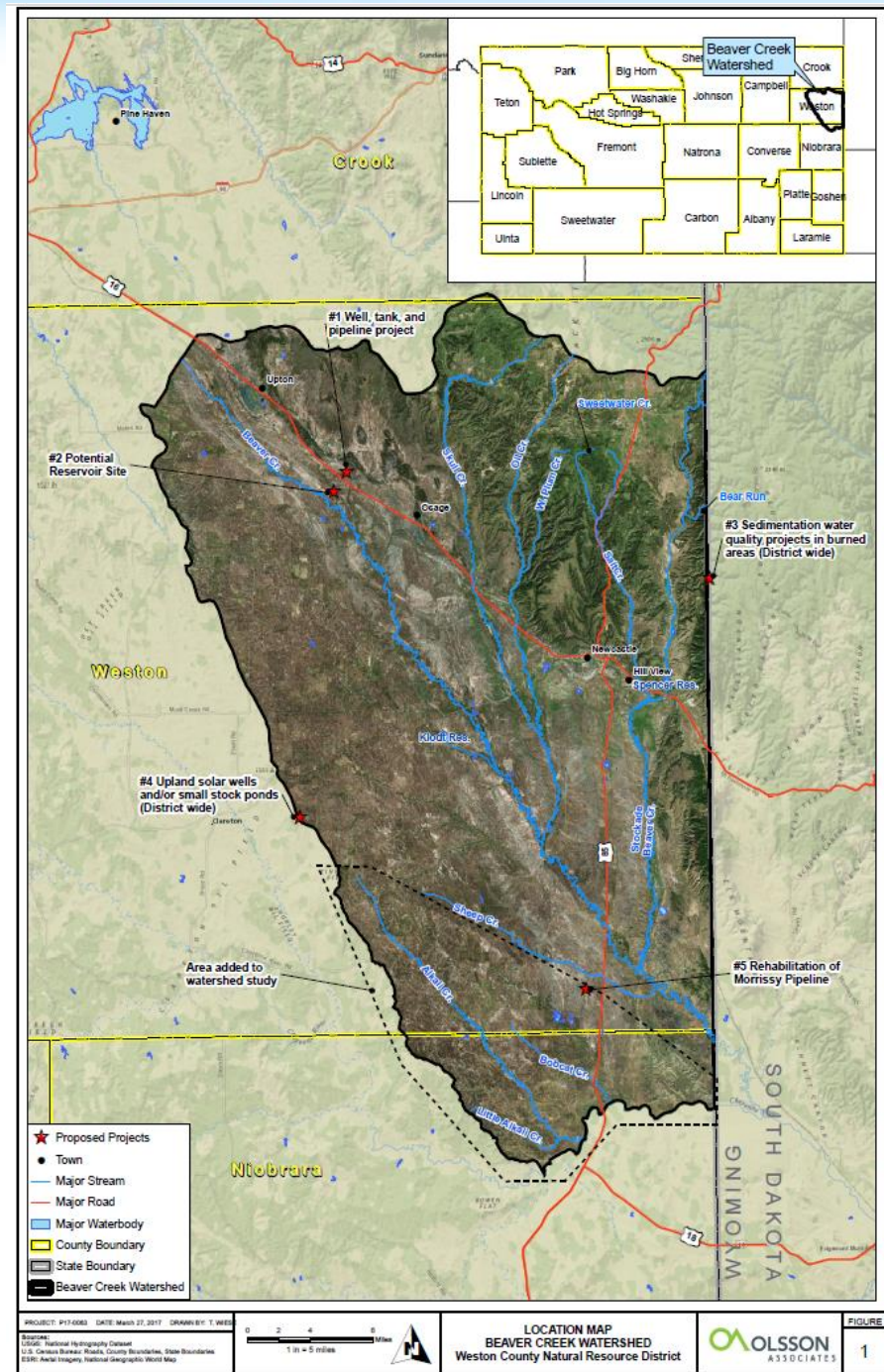
Author(s):

Chris Fenimore, NOAA/NESDIS/NCEI

<http://droughtmonitor.unl.edu/>

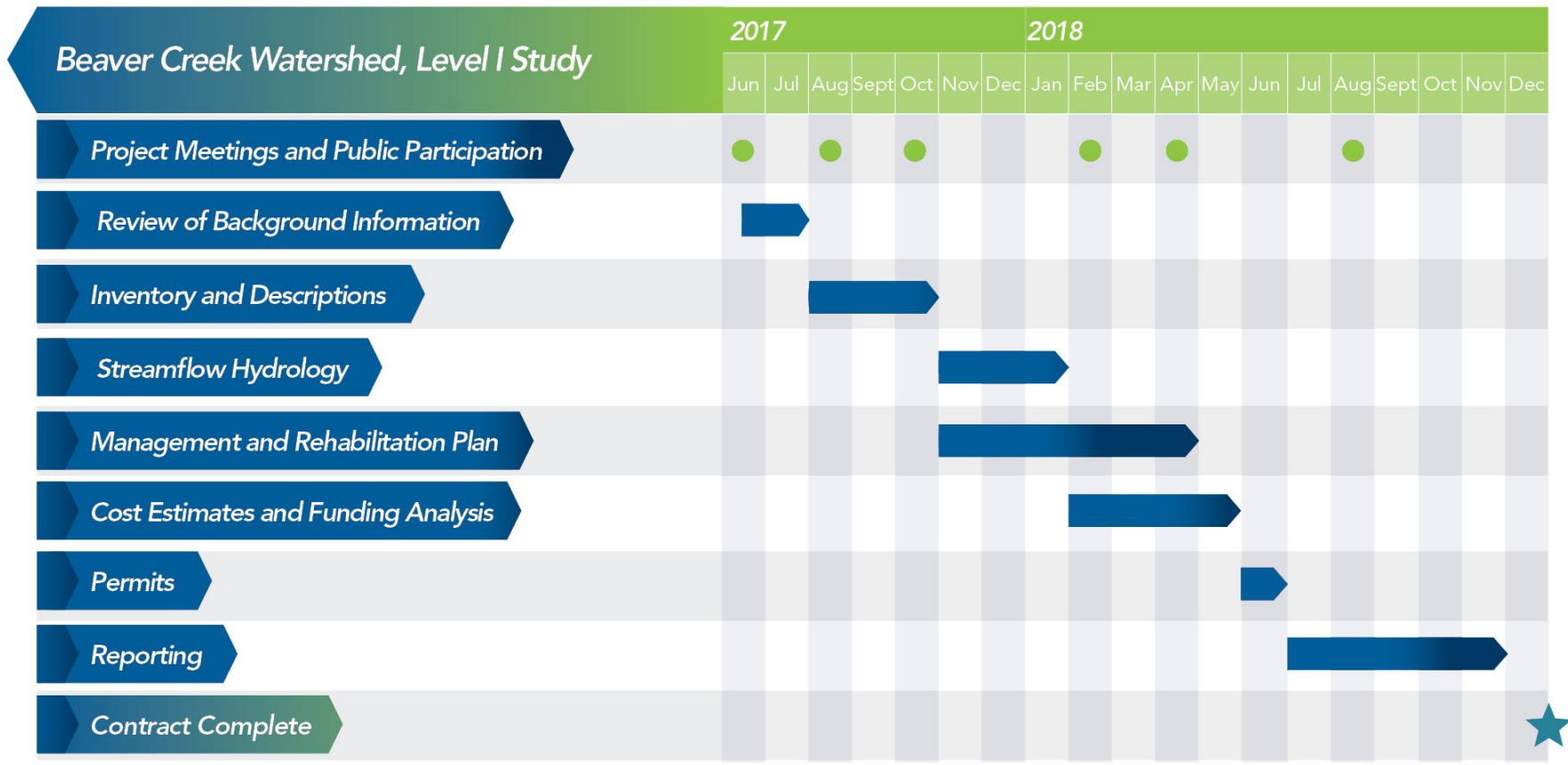
Download: [PNG](#) [PDF](#) [JPG](#)

Where exactly is the study area?



When?

June 2017 – December 2018







Public Engagement

POTENTIAL PROJECT INFORMATION FORM

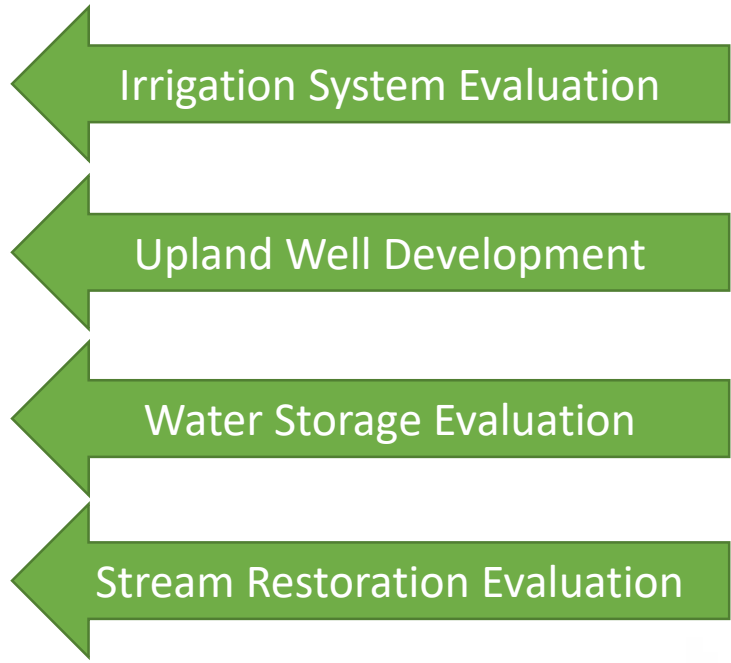
Name: _____
 Street Address: _____
 City/State/Zip: _____
 Location of property or allotment (township, range, section): _____
 Phone Number: _____
 E-mail Address: _____

What is the best way to contact you? (please check) mail phone e-mail

What improvement projects would you like to see evaluated as part of this watershed study?

	<p>Do you want an irrigation system evaluation? <input type="checkbox"/> yes <input type="checkbox"/> no If so, do you have a project in mind? Please describe.</p>
	<p>Do you want an upland well development evaluation? <input type="checkbox"/> yes <input type="checkbox"/> no If so, do you have a project in mind? Please describe.</p>
	<p>Do you want a water storage evaluation? <input type="checkbox"/> yes <input type="checkbox"/> no If so, do you have a project in mind? Please describe.</p>
	<p>Do you want a stream/stream restoration evaluation? <input type="checkbox"/> yes <input type="checkbox"/> no If so, do you have a project in mind? Please describe.</p>

Other comments or ideas? (Please feel free to use the back of this form, if needed.)



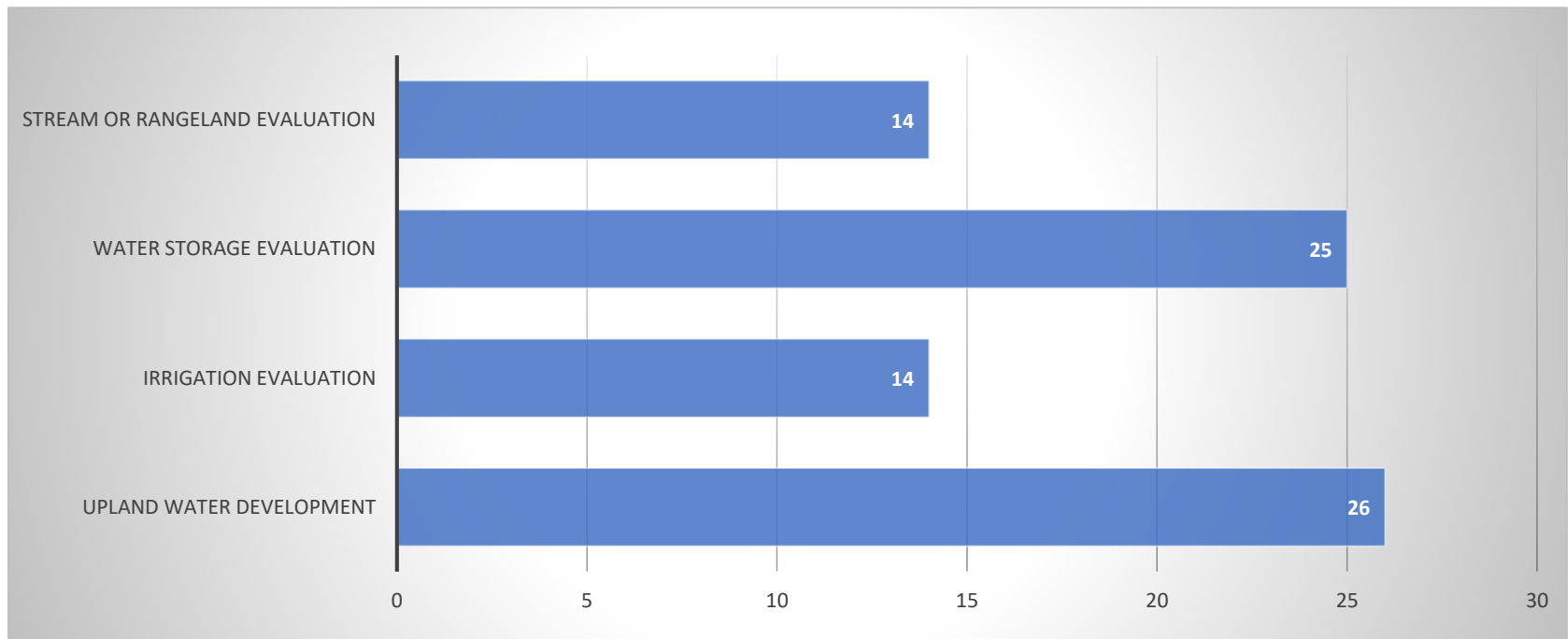
Thank you for your comments!
 Please return this form in the envelope included by August 30, 2015.

May 2015

Site Visits for Evaluations



Current Types of Project Evaluations Requested for the Beaver Creek Watershed Study

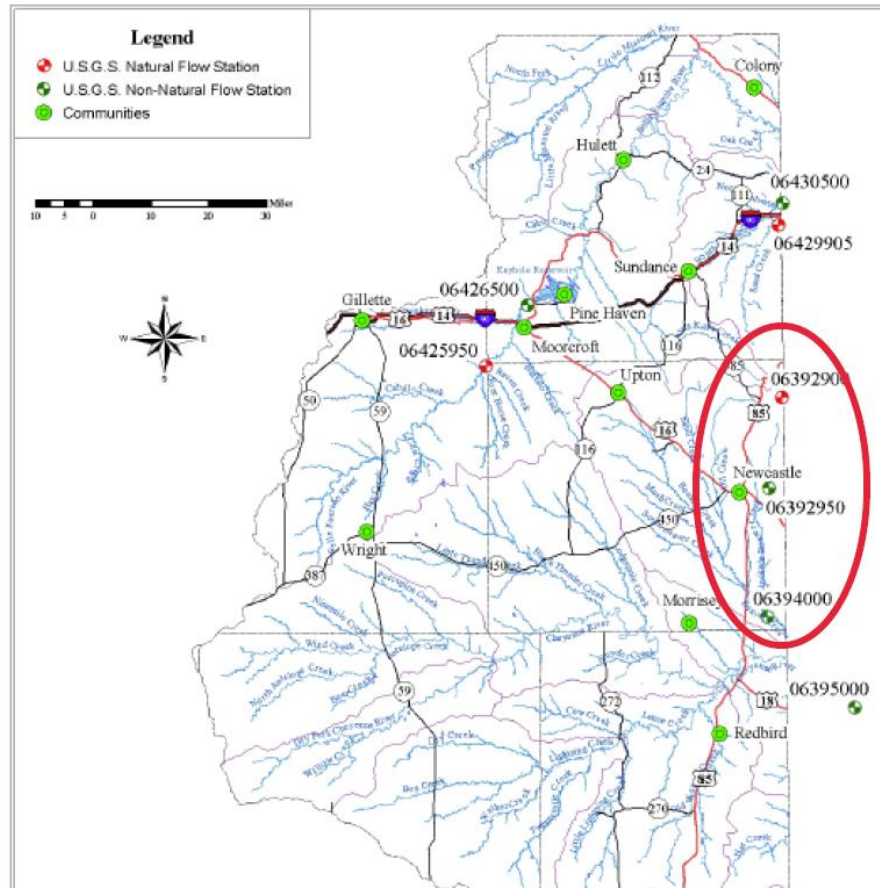


Water Supply & Storage

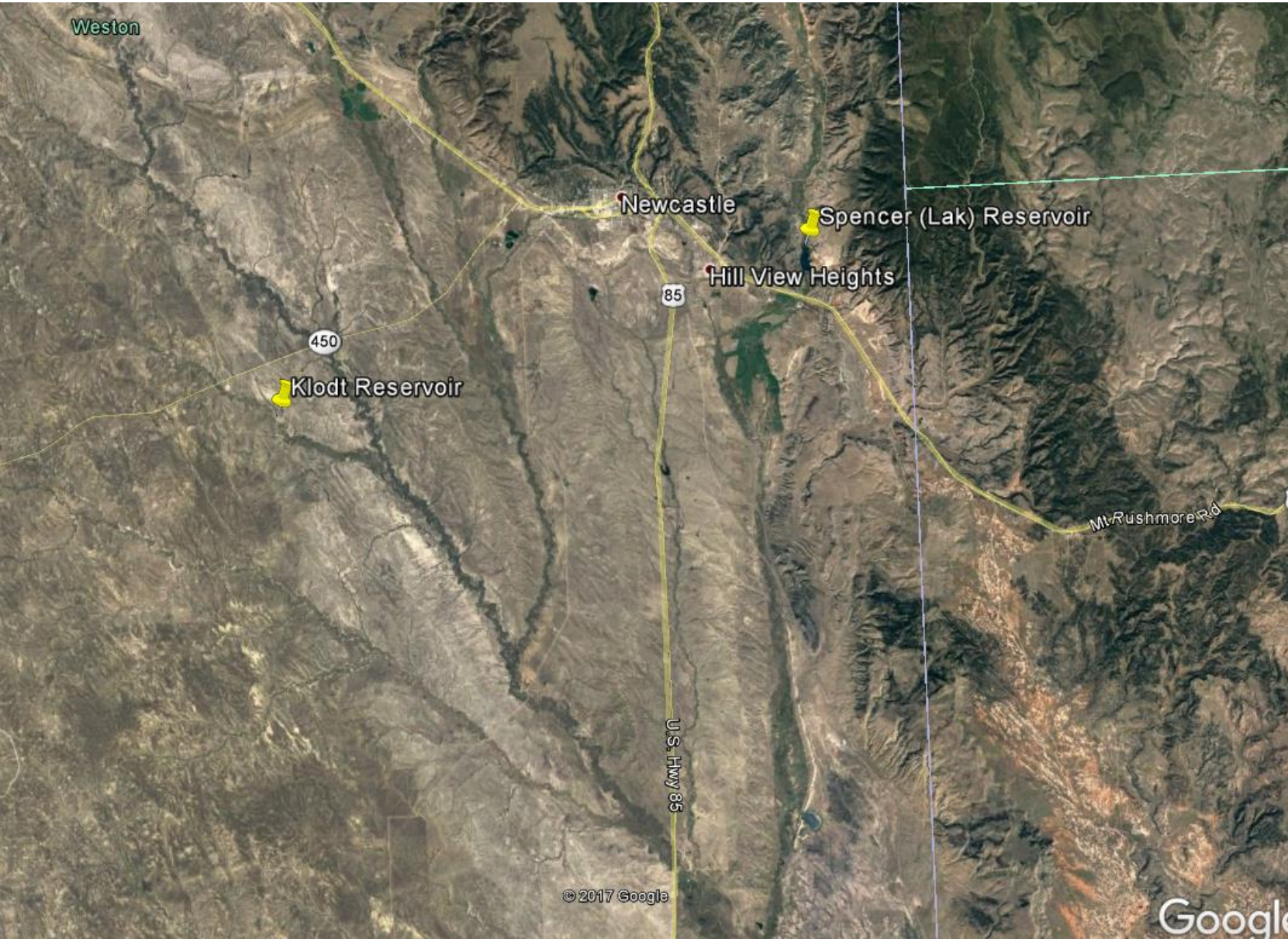


Hydrology

- Updated Northeast Wyoming River Basins Report – anticipated October 30th
- Use hydrology for Beaver Creek watershed

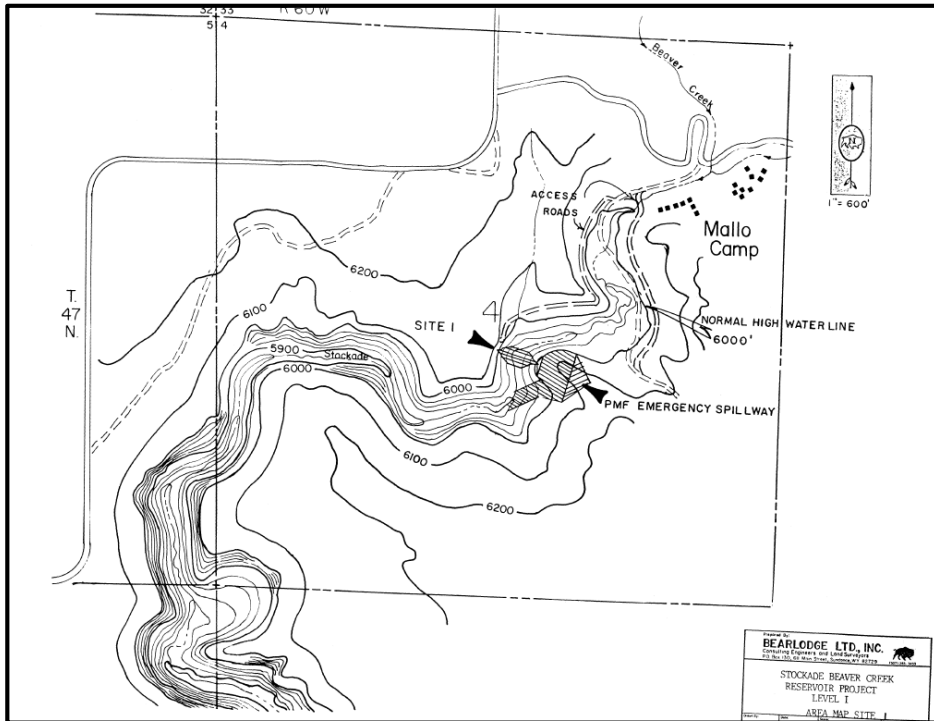


Existing Larger Reservoirs (~1,000+ AF)

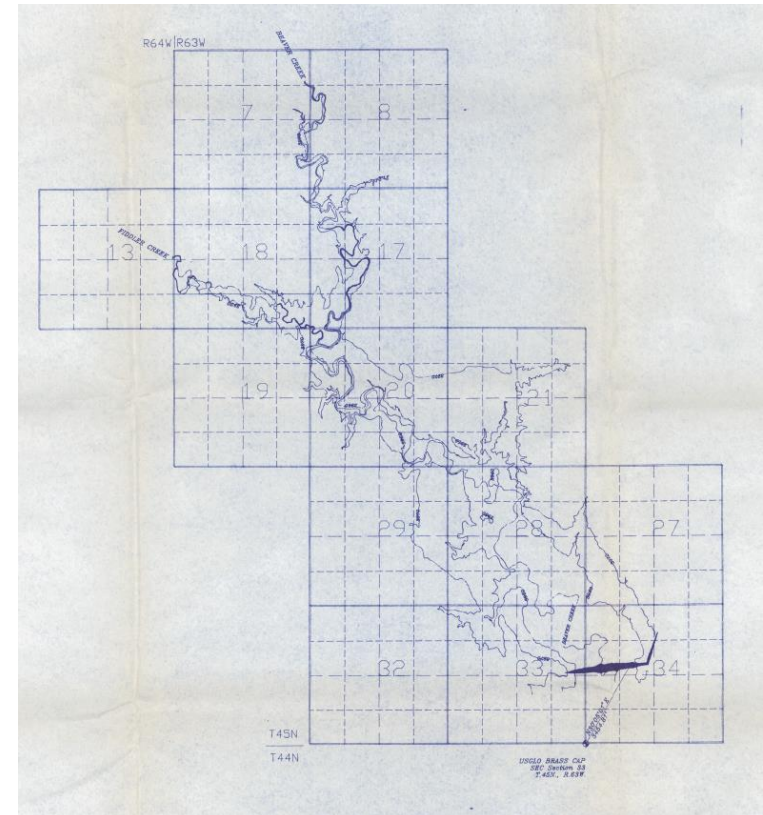


Storage Opportunities

- Three locations in 2002 NE WY River Basins Report
- Additional/different locations in updated Northeast Wyoming River Basins Report?

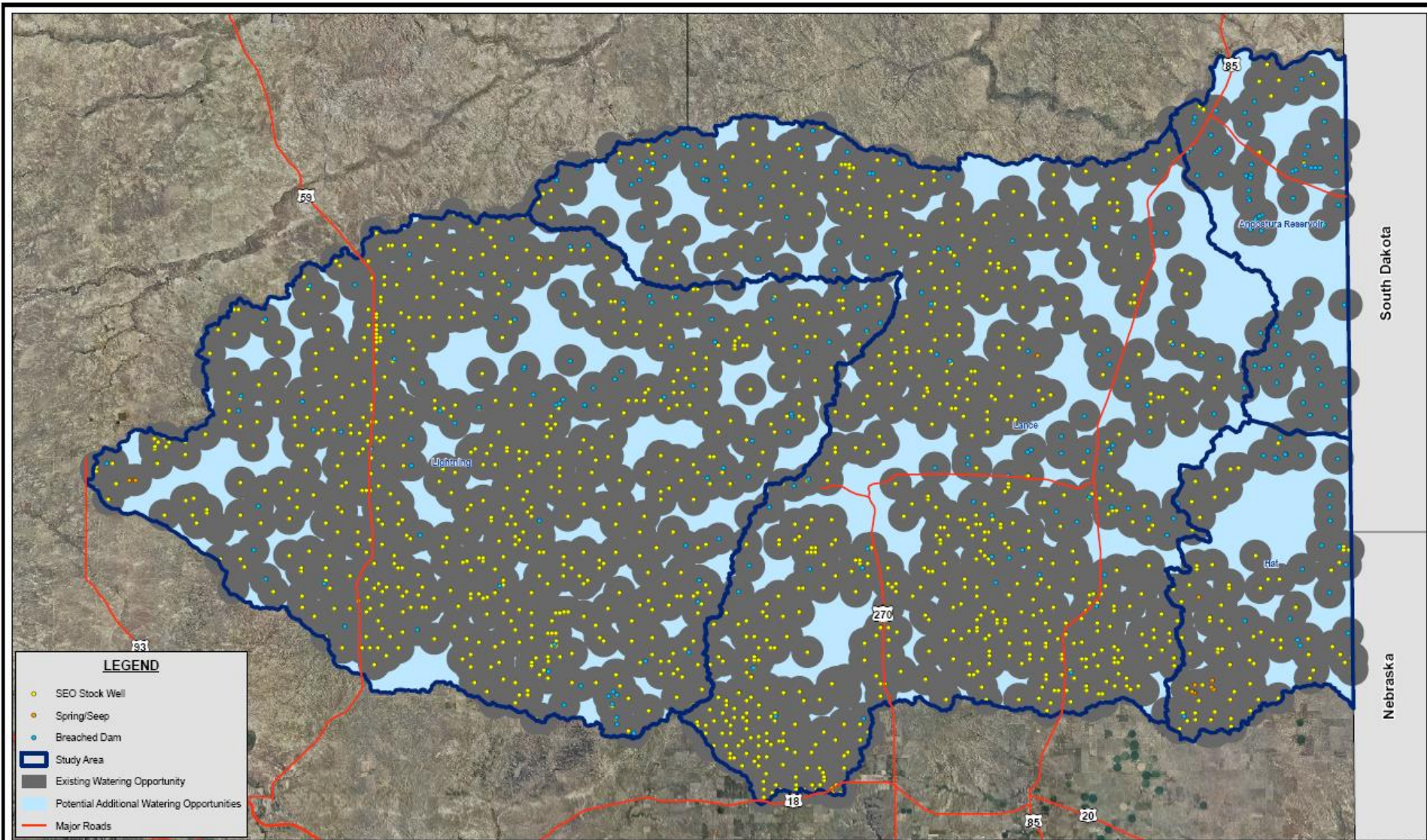


Stockade Beaver Creek Reservoir – Level I Study

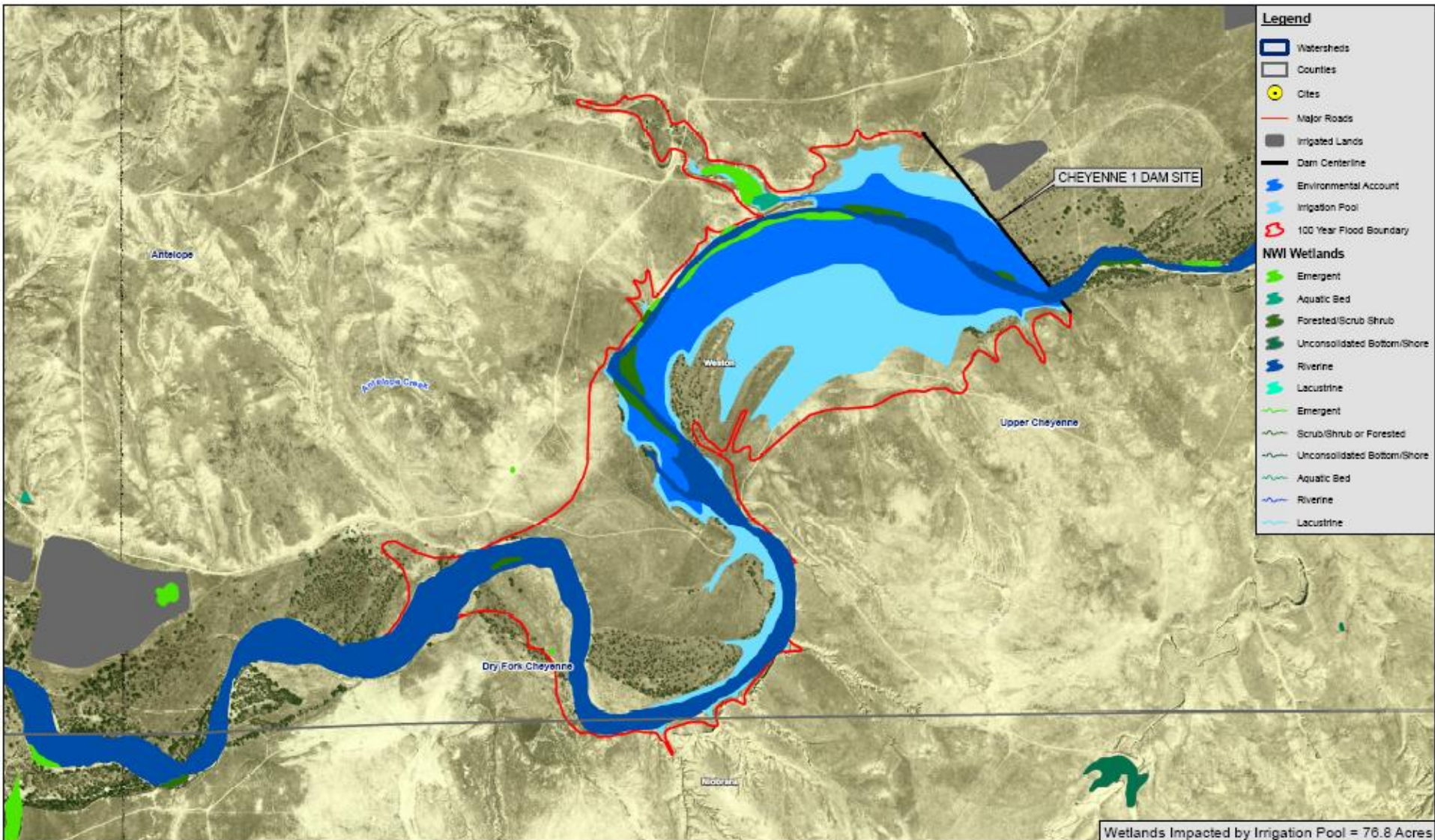


Beaver Creek Dam – Level II Study

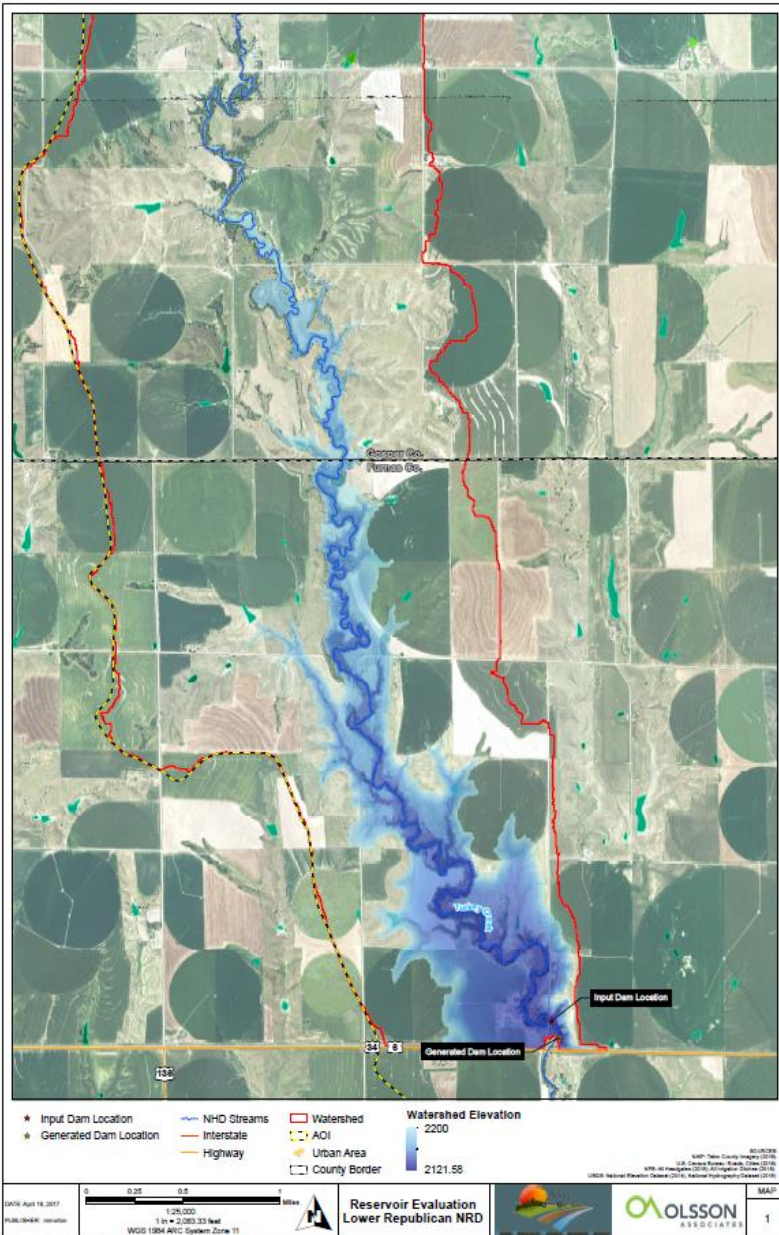
Watering Opportunities



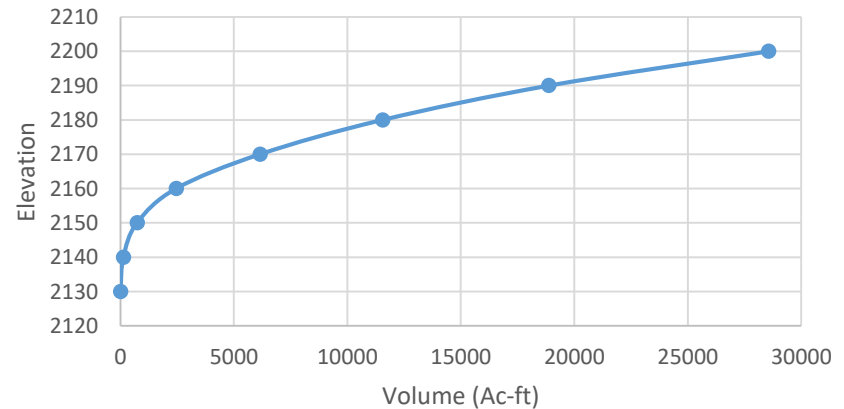
Water Storage and Flood Control – Account III Structures



Automated Mapping Tool for Quick Storage Evaluation



Stage Storage - West Turkey Creek



Assistance with Funding Options

APPLICATION FOR THE SMALL WATER PROJECT PROGRAM

WYOMING WATER DEVELOPMENT COMMISSION

6920 Yellowtail Road

Cheyenne, Wyoming 82002

Telephone: (307) 777-7626

Project Name: KREMERS RANCH

THUNDER BASIN GRAZING ASSOCIATION

317 E CENTER ST

(Applicant – Name of Entity)

DOUGLAS

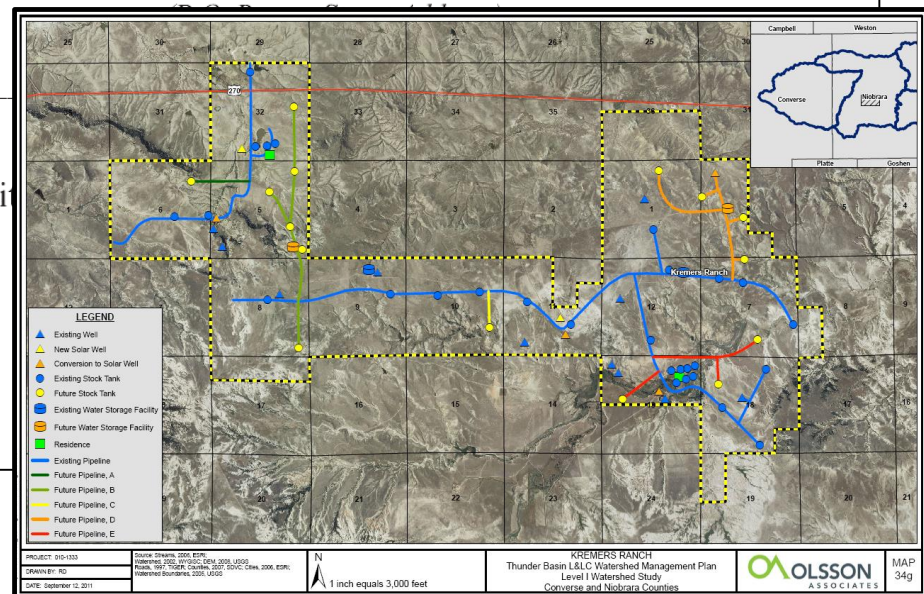
CONVERSE

(City)

(County)

Type of Development: _____ Rehabilitate

- Solar Platform
- Pipeline
- Spring Development
- Well – Drilled and Cased
- Wetland



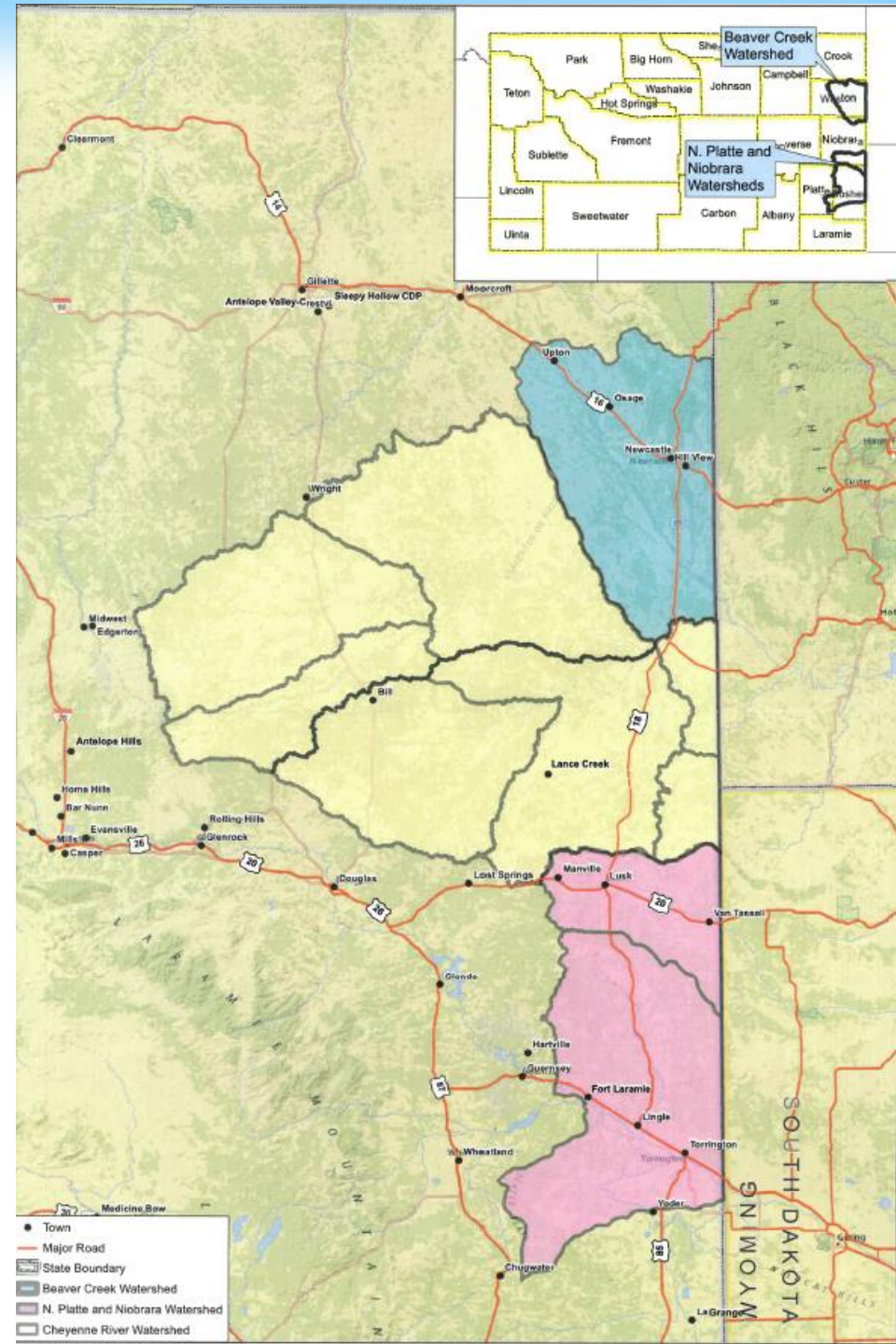
Thunder Basin Projects



“The WWDC watershed projects have made a phenomenal change in Thunder Basin”

*Dave Pellatz,
Project Sponsor*

Completed and ongoing studies



QUESTIONS?

