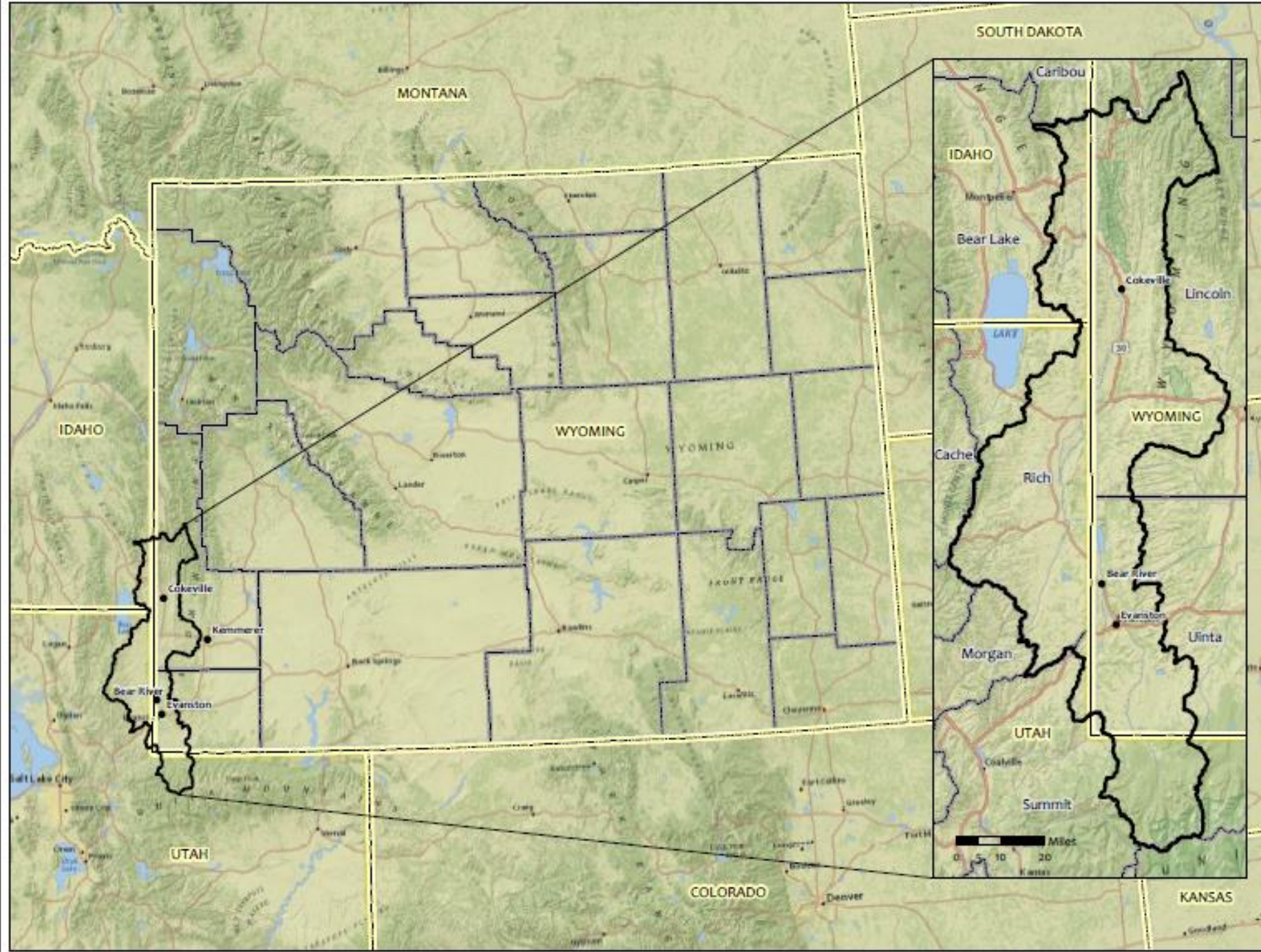


BEAR RIVER WATERSHED STUDY – WHAT'S NEXT?

Jodee Pring, Supervisor - River Basin Planning
Wyoming Water Development Office




May 16, 2017

Bear River Basin - Wyoming Water Update Meeting
Evanston, WY



0 30 60 Miles
 Projection: NAD 83 - UTM 12N

Legend

-  Bear River Watershed Boundary
-  State Boundary
-  County Boundary

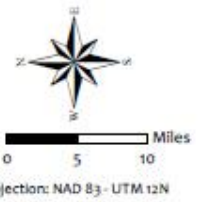
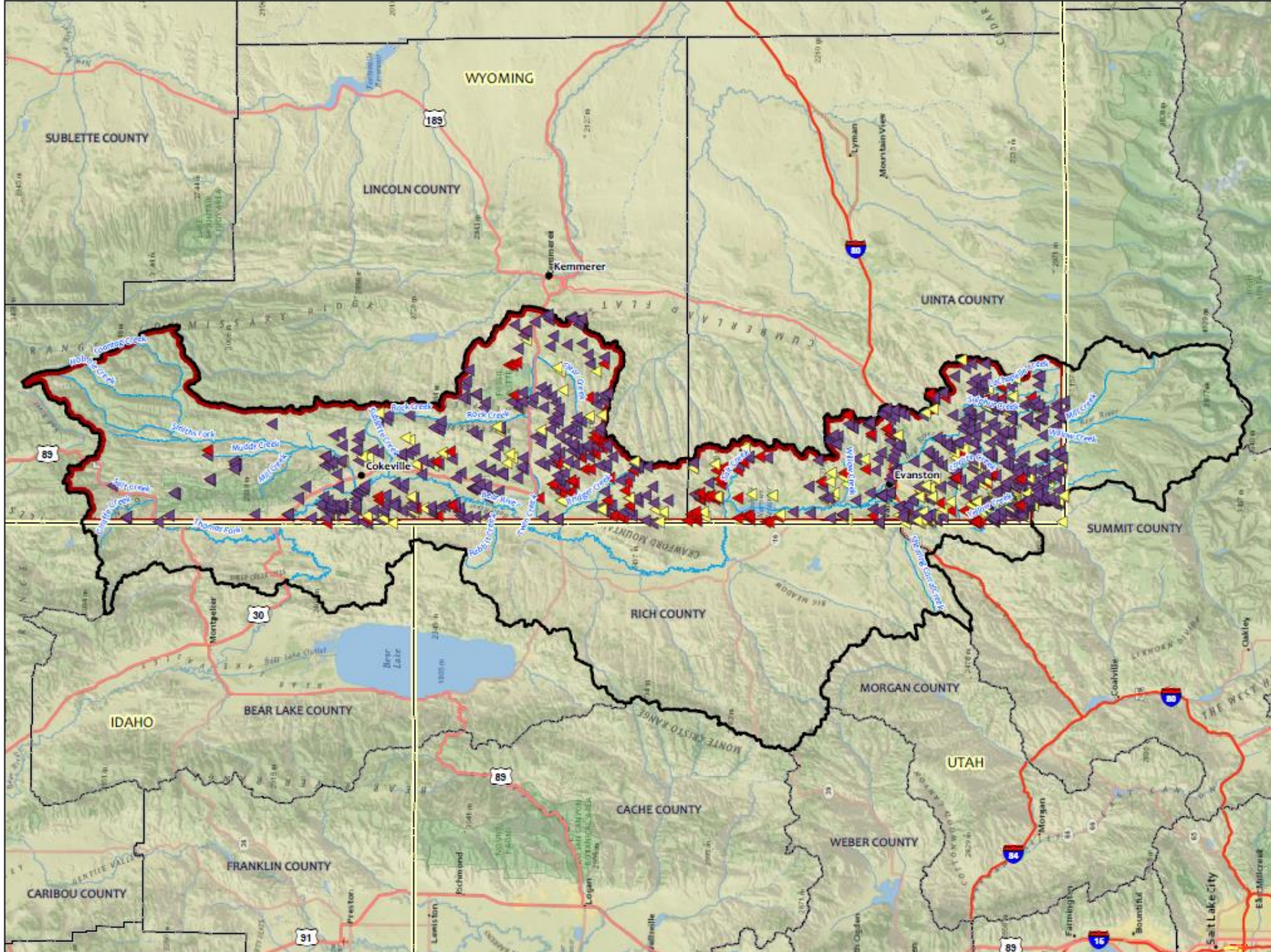


Bear River Watershed

Figure 1.1
 Location Map

In the beginning...

- Lincoln Conservation District and Uinta County Conservation District requested the study
- Sunrise Engineering hired as Consultant on the project
- Meetings held in Cokeville and Evanston – September 2015, February 2016, April 2016
- Landowner Field Visits
- Looked at hydrology, geology, geomorphology, soils, land use, land management, land ownership, political subdivisions, climatic features (temperature, precipitation, etc.)
- Created a GIS (Geographic Information System)
- Final report presentation – February 21, 2017 - Cokeville



- Legend**
- Stock Pond Viability**
- ▲ Functional
 - ▲ Non-Functional
 - ▲ Unknown
 - ⬮ Bear River Watershed Boundary
 - ⬮ Study Area Boundary
 - ⬮ State Boundary
 - ⬮ County Boundary
 - Streams & Rivers



Bear River Watershed

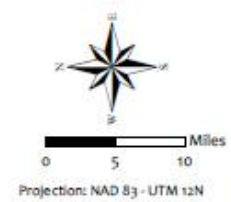
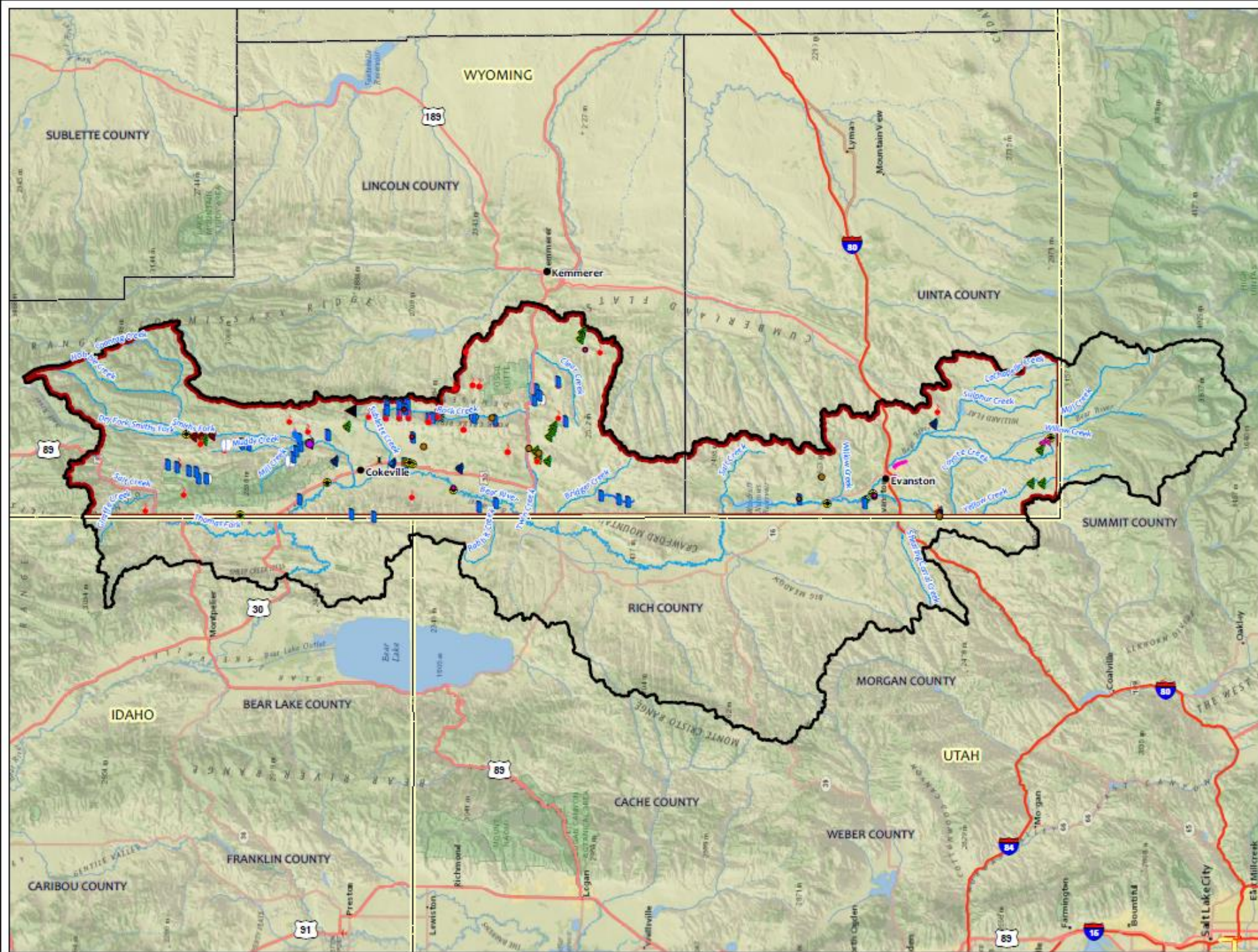
Figure 3.3.4.2e
Stock Pond Viability

Watershed Management and Rehabilitation Plan

- Primary objective of the Watershed Study
 - Livestock/Wildlife Upland Water Opportunities
 - Stream Channel Improvements
 - Grazing Management Opportunities
 - Irrigation System Improvements
 - New water development (irrigation projects, spring developments, storage projects)

Table 4.2.1 Upland Water Projects

General Location	Owner or Operator	Number of Projects	Major Project Components						Estimated Total Project Costs
			Spring Development	Water Well or Pump in Sump	Surface Catchment	Tank	Trough	Small Dia. Pipeline	
Lincoln County	Boehme	6	3	2		2	10	3	\$ 644,298
	Benion	1		1			1		\$ 88,676
	BLM	11	12	4			26	3	\$ 937,060
	Clark	1		1			1		\$ 100,902
	Carter	2	1				2	1	\$ 58,950
	Cornia	1		1			1	1	\$ 48,456
	Circle B	5	6	1			8	2	\$ 225,237
	Etchevery	1	1						\$ 19,553
	Nate	1					1		\$ 2,878
	Roberts	1					2	1	\$ 35,658
	Thornock	2		2			2		\$ 168,435
	Julian	16	6	2	9		4	1	\$ 343,276
	Willis	3		1			5	4	\$ 198,916
	Pierce	1					3	1	\$ 190,375
	Total for Lincoln County	52	29	15	9	2	66	17	\$ 3,063,000
Uinta County	Cornielison	1	1				1		\$ 15,430
	Brieninger	1		1			1		\$ 51,424
	BLM	1		1					\$ 96,121
	Hayduk	1					1	1	\$ 52,995
	Hansen/YC Ranch	1	1						\$ 12,430
	Loham	1			1				\$ 134,368
	Total for Uinta County	6	2	2	1	0	3	1	\$ 363,000



- Legend**
- Well
 - ▬ Trough
 - Spring
 - ▲ Reservoir
 - ▲ Structure
 - Tank
 - Canal
 - ▬ Pipeline
 - ▲ Small Dam
 - ▲ Bank Stabilization
 - Diversion
 - ▬ Ditch Lining
 - ▲ Snow Storage
 - ⬮ Bear River Watershed Boundary
 - ▭ Study Area Boundary
 - ▭ State Boundary
 - ▭ County Boundary
 - ▬ Streams & Rivers



Bear River Watershed

Figure 4.2.2.1
Potential Projects

Table 5.1.1.2 Potential Irrigation Projects

General Location	Owner or Operator	Number of Projects	Major Project Components					Estimated Total Project Costs	
			Ditch Improvements	Headgate	Diversion	Reservoir Storage	Bank Stabilization		Other
Lincoln County	Buckley	3	1			2			\$ 659,003
	Carter	1	1						\$ 158,674
	Clark	1		5					\$ 10,808
	Circle B	1				1			\$ 359,644
	Comia	1				1			\$ 545,881
	Dayton-Crane	3		1			1	1	\$ 962,299
	Esterholt	1	1	1					\$ 50,736
	Etchevery	3		1		2	1	1	\$ 793,132
	Evan Pope	3			1			2	\$ 448,819
	Nate	1		1	1				\$ 184,843
	Thornock	1				1			\$ 3,655,132
	Tiechert	1	1			1			\$ 641,284
	Julian	1	1			1			\$ 119,339
	Total for Lincoln County	21	5	9	2	9	2	4	\$ 8,590,000
Uinta County	Comielison	1				1			\$ 1,452,791
	Hayduk	4		2				3	\$ 74,920
	Town of Bear River	1			1				\$ 193,166
	Robinson	1						1	\$ 11,848
	Simmons	4	1	1	1	1		1	\$ 241,725
	Hansen/YC Ranch	6				1	1	3	\$ 459,690
	Evanston City Ditch	2	1						\$ 5,095,109
Total for Uinta County	19	2	3	2	3	1	8	\$ 7,530,000	

Funding Opportunities

- WWDO Small Water Project Program (SWPP)
 - 2017 Applications
 - 2 projects Lincoln
 - 1 project Uinta County
 - SWP applications can be submitted at any time
 - Total project cost cannot exceed \$135,000
 - WWDC will grant up to \$35,000
 - Application deadline date – December 31st
- Other Funding Opportunities
 - TMDL
 - EQUIP
 - ???

Need more
information?

- Complete study can be found in the Water Resources Data System Library at:
 - http://library.wrds.uwyo.edu/wwdcrept/Bear_River/Bear_River-Watershed_Level_I_Study-Final_Report-2017.html
- Jodee Pring (307) 777-5803, jodee.pring@wyo.gov
- Jodie Pavlica (307)777-7626, jodie.pavlica@wyo.gov
- Thanks to the Lincoln Conservation District – DeMont Grandy and the Uinta County Conservation District – Kerri Sabey