



AGENDA

IDAHO WATER RESOURCE BOARD

Board Meeting No. 8-24
WORK SESSION

Thursday, July 25, 2024
8:00 a.m. (MT) / 7:00 a.m. (PT)

Cobblestone Inn & Suites
Conference Room
341 W. Second Street
SODA SPRINGS

Livestream available at <https://www.youtube.com/@iwrp>

Brad Little
Governor

Jeff Raybould
Chairman
St. Anthony
At Large

Jo Ann Cole-Hansen
Vice Chair
Lewiston
At Large

Dean Stevenson
Secretary
Paul
District 3

Dale Van Stone
Hope
District 1

Albert Barker
Boise
District 2

Brian Olmstead
Twin Falls
At Large

Marcus Gibbs
Grace
District 4

Patrick McMahon
Sun Valley
At Large

1. Roll Call
2. Nez Perce Tribe Presentation
3. Bear River Basin 101
4. Bear River Compact
5. PacifiCorp Bear River and Lake Water Operations
6. Bear River Basin Adjudication
7. Bear River Basin Cloud Seeding Update
8. Utah Water Resource Issues
9. Non-Action Items for Discussion
10. Adjourn

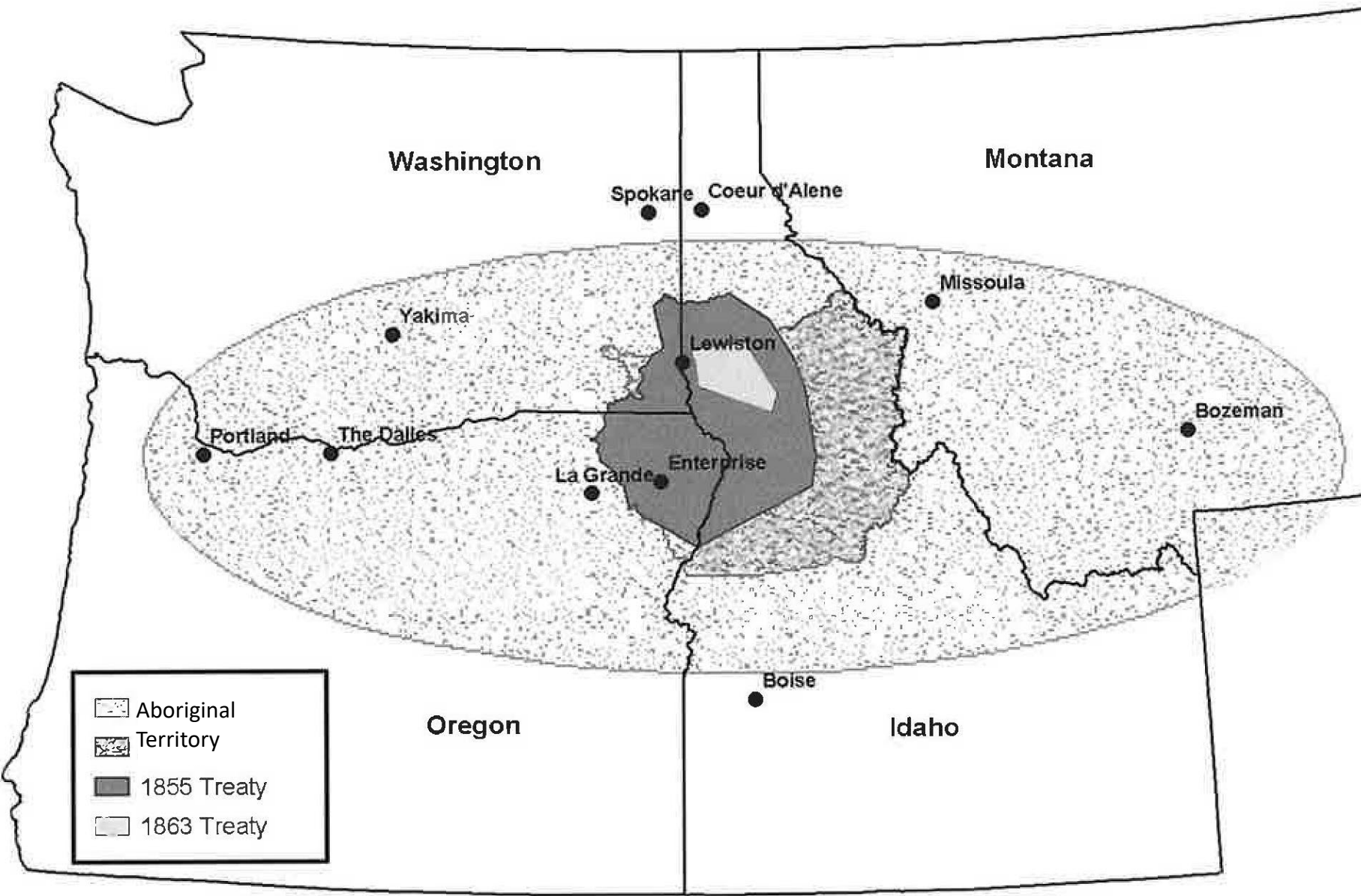
The board will break for lunch at approximately noon. Following lunch, they will attend a field trip the Bear River area. Transportation will be provided for board members and invited guests only.

* Action Item: A vote regarding this item may be made at this meeting. Identifying an item as an action item on the agenda does not require a vote to be taken on the item. **Americans with Disabilities:** If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email: jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.

Nez Perce Tribe's Concerns Regarding Unmet Minimum Streamflows (MSF)

• Nez Perce Tribe Water Resources Division • July IWRB Meeting





Nez Perce Territory

Credit: Treaties – Nez Perce Perspectives by the Nez Perce Tribe



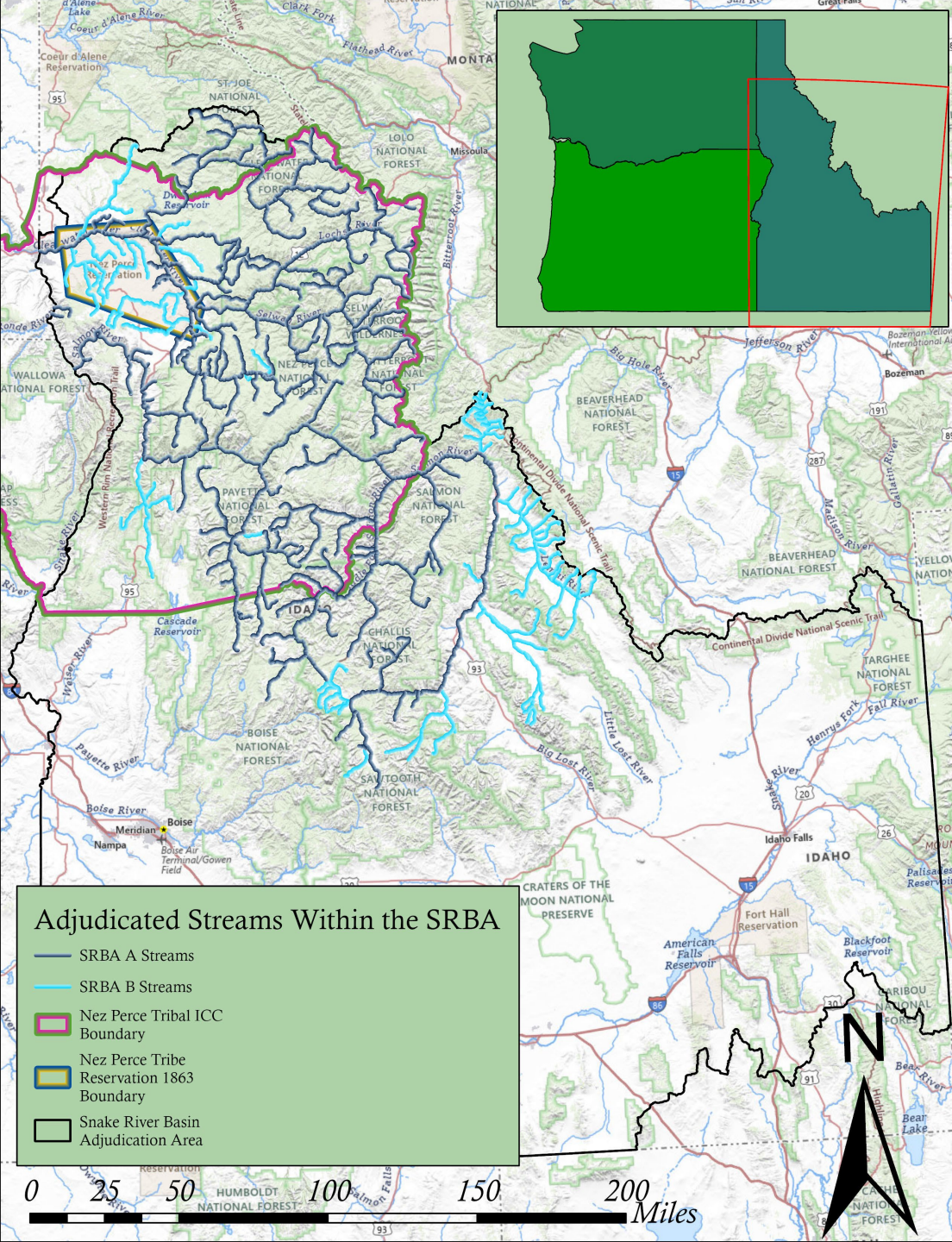
The Treaties Sought to Preserve a Way of Life

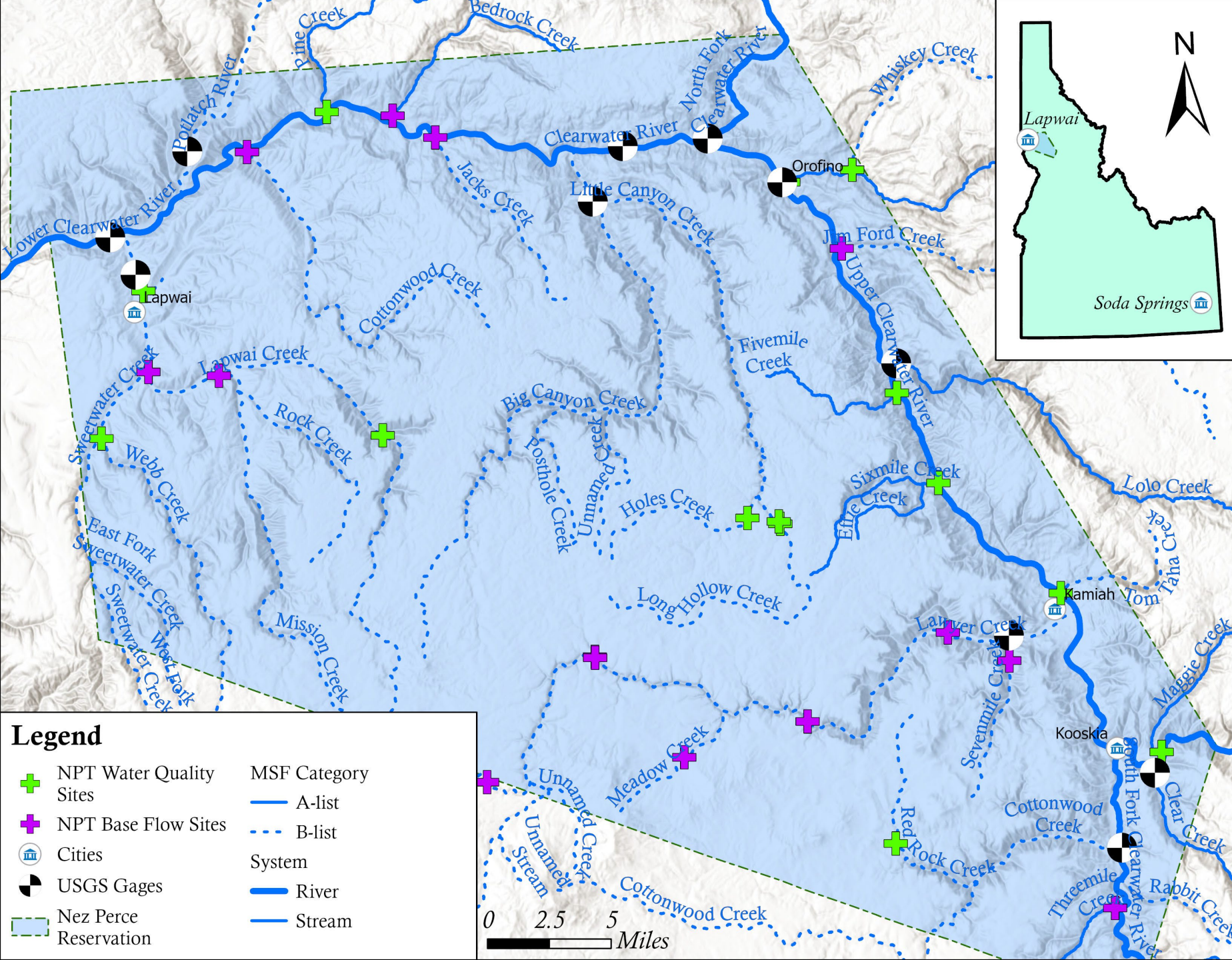
“Our original 1855 reservation was in Oregon, Washington, and Idaho. We were reserving a way of life. We’ve been fighting now for this way of life since 1855.”

—Chairman Wheeler,
Covenant of the Salmon People

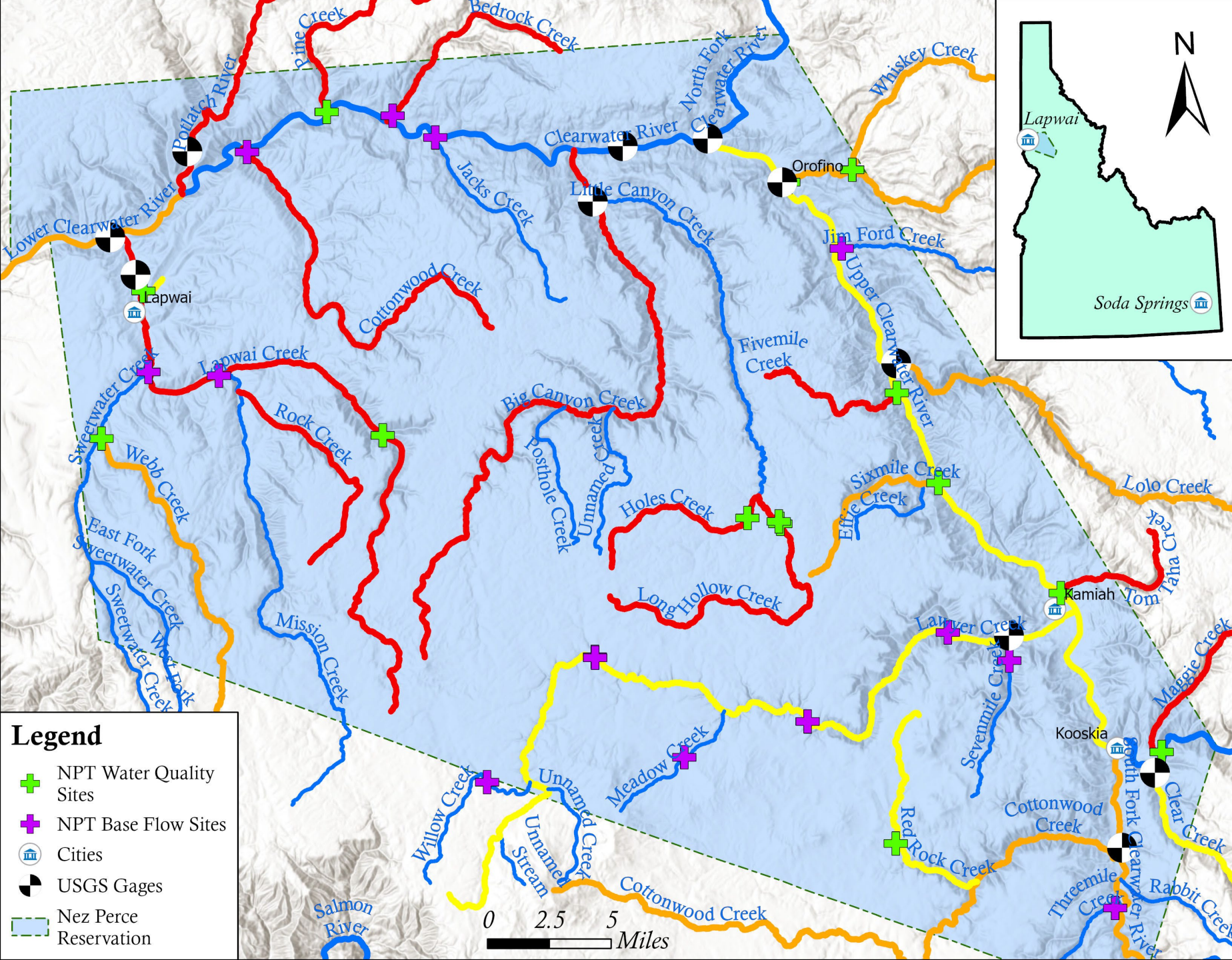
Intent of the Snake River Basin Adjudication MSF

- The Nez Perce filed instream flow claims in the SRBA to protect all components of the ecosystem necessary to provide for the sovereign rights the Tribe reserved in its 1855 Treaty with the United States
- SRBA Term Sheet:
 - “Idaho will establish... instream flow water rights, to be held by the Idaho Water Resource Board (IWRB), on the streams within the Salmon and Clearwater Basins listed in...List A...[and] List B.”
 - “In conjunction with the establishment of instream flows for the streams listed in...List B, the parties will seek legislation...to permit the IWRB to protect from diversion water to satisfy...instream flows, where needed...”
 - “...IDWR will regulate the delivery of the instream flow water rights and protect from diversion water to satisfy such instream flows...”
- most SRBA MSF have a priority date of April 1, 2005





MSF within the Nez Perce Reservation



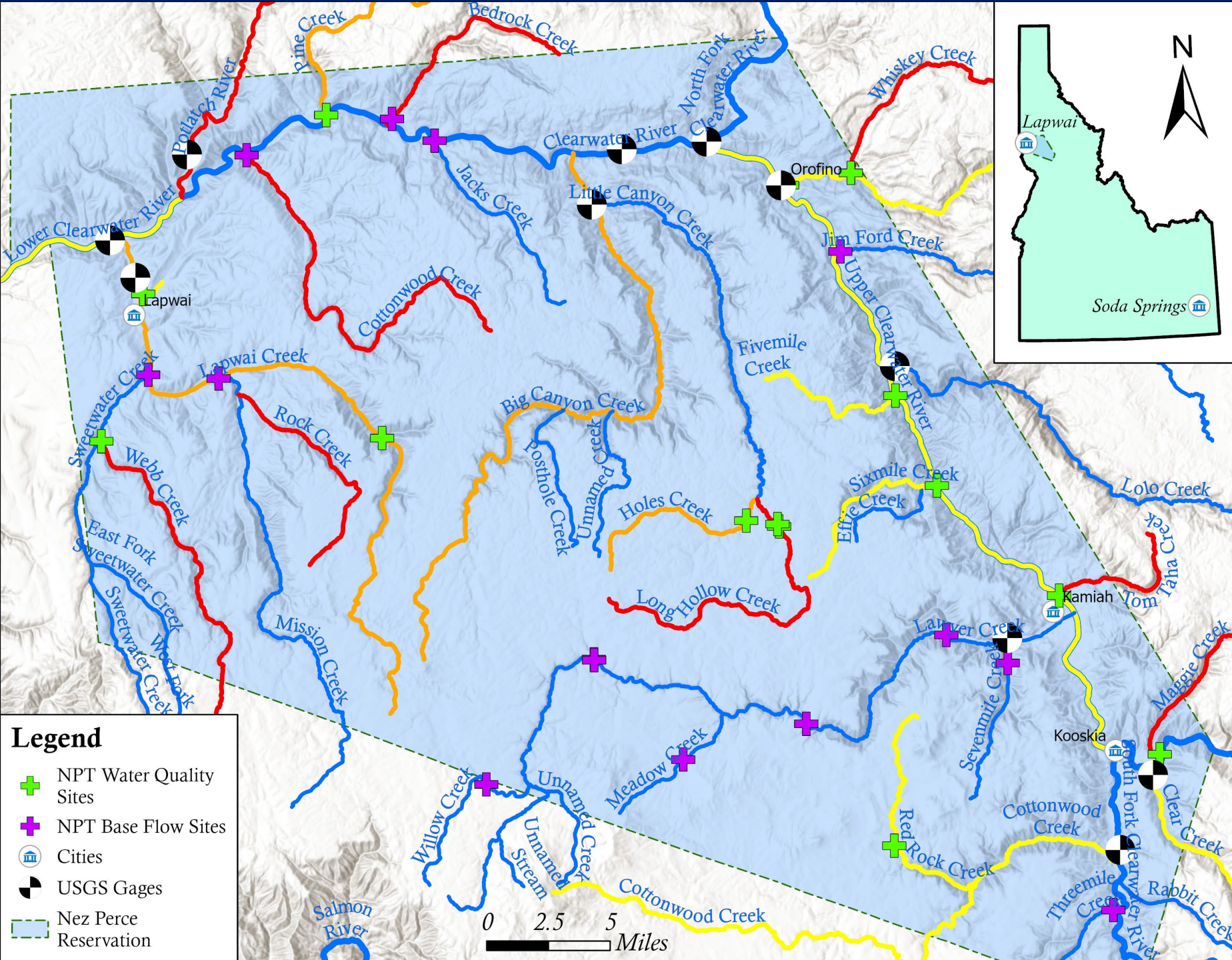
Frequency of Unmet MSF in Jul-Oct

MSF unmet >90%

MSF unmet 60-86%

MSF unmet 38-59%

*Lower Clearwater: Sep-Oct



Difference Between MSF and Observed Flows in Jul-Oct

Flows 71-93% MSF

Flows 48-60% MSF

Flows 7-39% MSF

*Lower Clearwater: Sep-Oct

Potlatch River upstream of MSF Quantification Point

August 2021 – downstream view



upstream view





Lapwai Creek (MSF) downstream of USGS gage



Photo Credits: Justin Peterson

Webb Creek – MSF tributary of Lapwai Cr.





Sevenmile Creek –
MSF July 2024

Tribe's Accounting of MSF and Water Rights

- Unmet MSF and continued appropriation by juniors
- IDWR reliant on water users to report on one another
- If junior rights were curtailed, better chance of meeting MSF

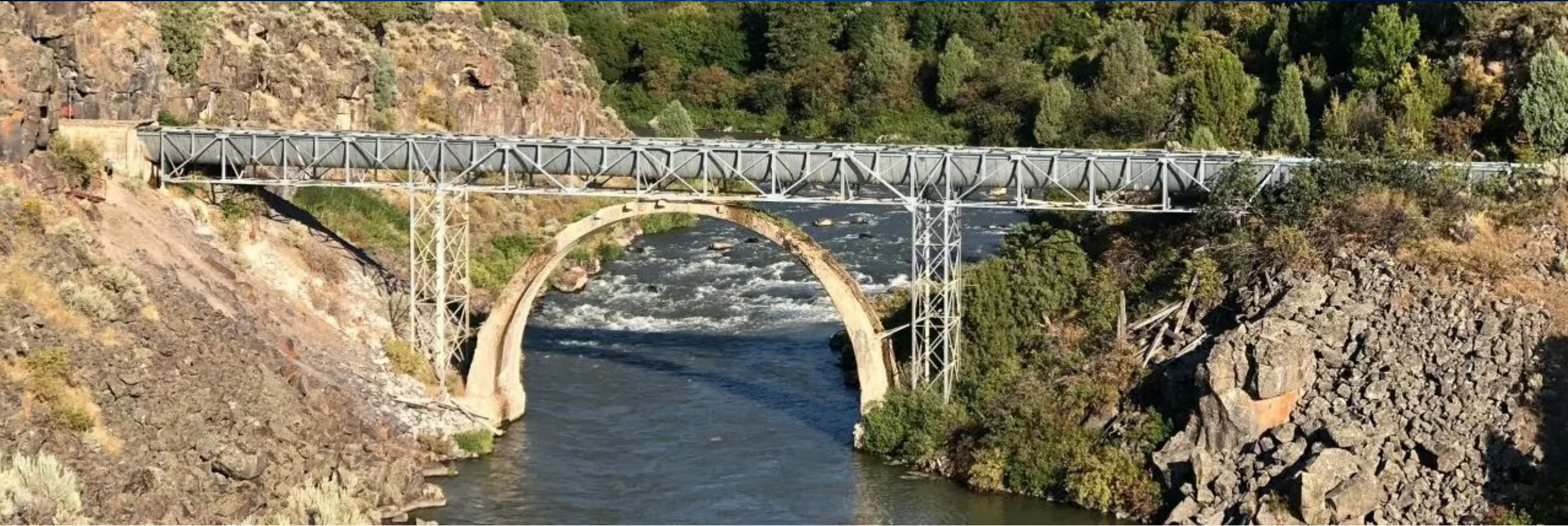
Key Take-Aways

1. Unmet MSF are the rule, not the exception
 - Disproportionate number of SRBA MSF streams within or flowing into Reservation
 - Preliminary investigations outside Reservation show more unmet SRBA MSF
1. Despite concerns by Tribe and other stakeholders, new water rights continue to be issued and flow augmentation strategies are rare



Bedrock Creek at MSF
Quantification Point

Sept. 2022



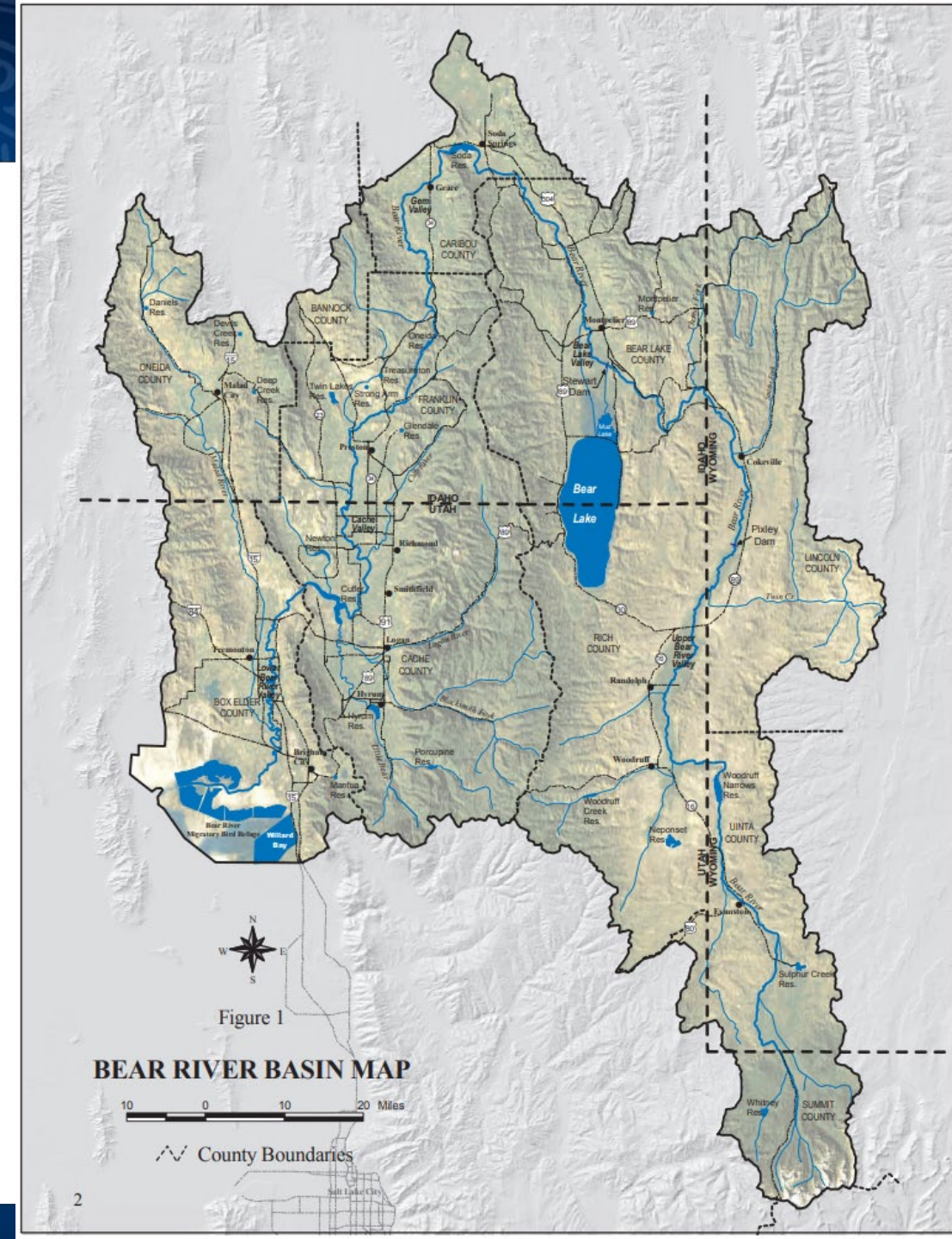
Bear River Basin 101

Presented by: Matt Anders, Technical Services Bureau Chief

Date: 7/25/2024

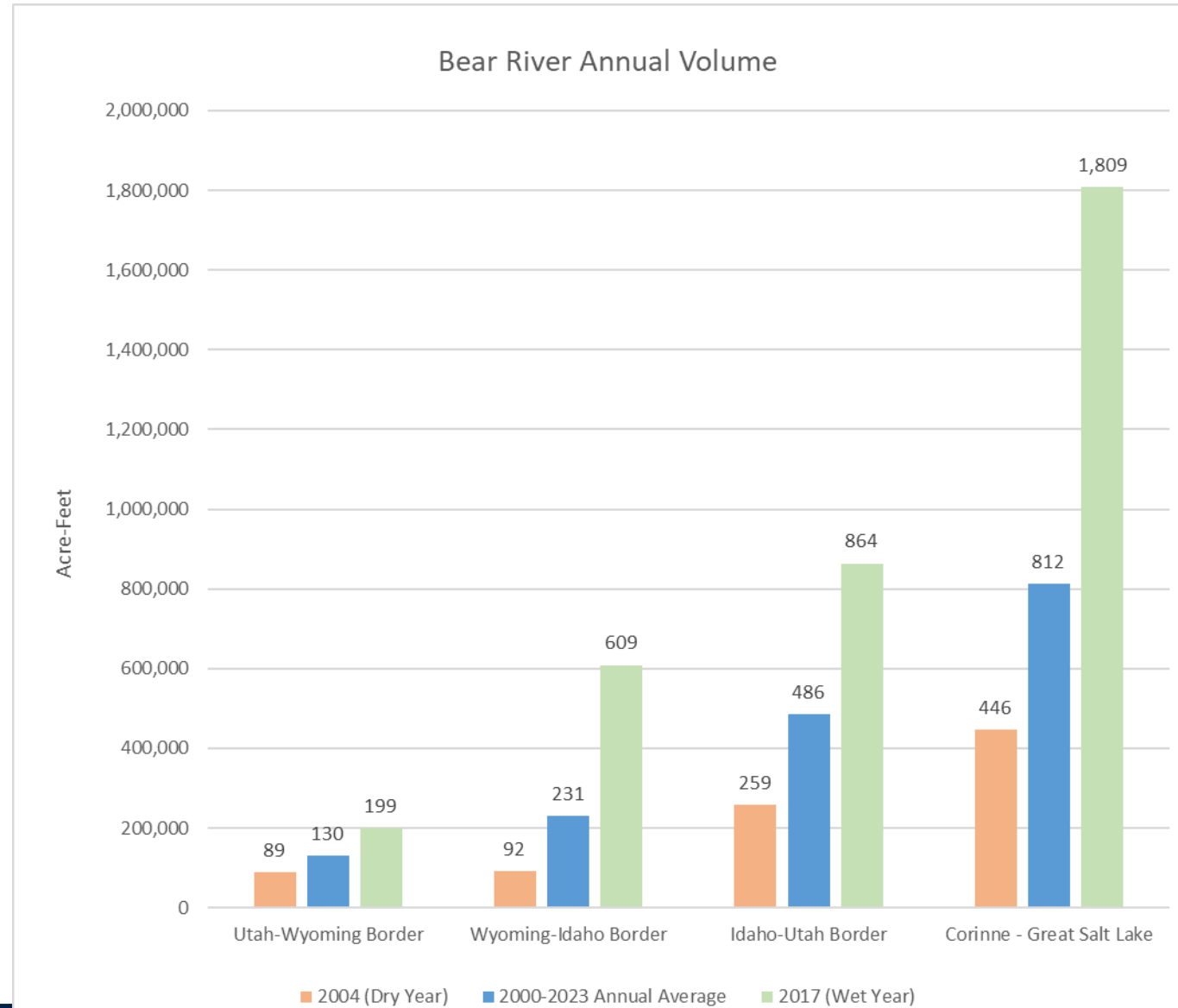
Bear River Geography

- Originates in the Uinta Mountains in Utah.
- Flows ~350 miles.
- Ends ~90 miles from where it started.
- Crosses state lines five times.
- Flows into Great Salt Lake.
- Largest tributary of Great Salt Lake.
- Largest river in North America that does not flow to an ocean.



Hydrology

- Bear River gains water as it flows downstream.
- On average 812,000 acre-feet discharges to the Great Salt Lake.
- Significant variability between wet and dry years.



Reservoirs

- Storage

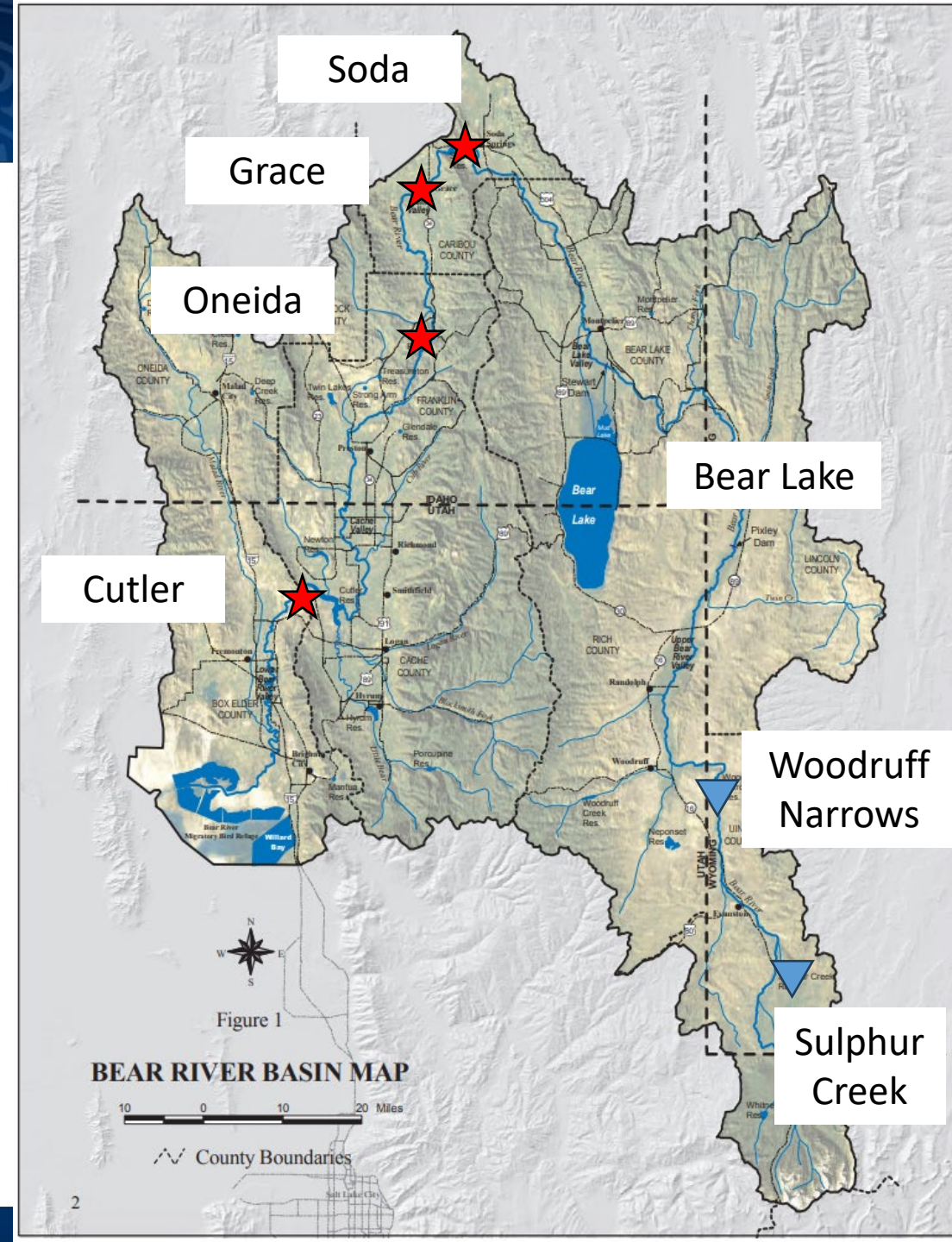
- Bear Lake
- Woodruff Narrows
- Sulphur Creek
- Several other small reservoirs

1,422,000 AF
18,000 AF
5,700 AF

- PacifiCorp Power

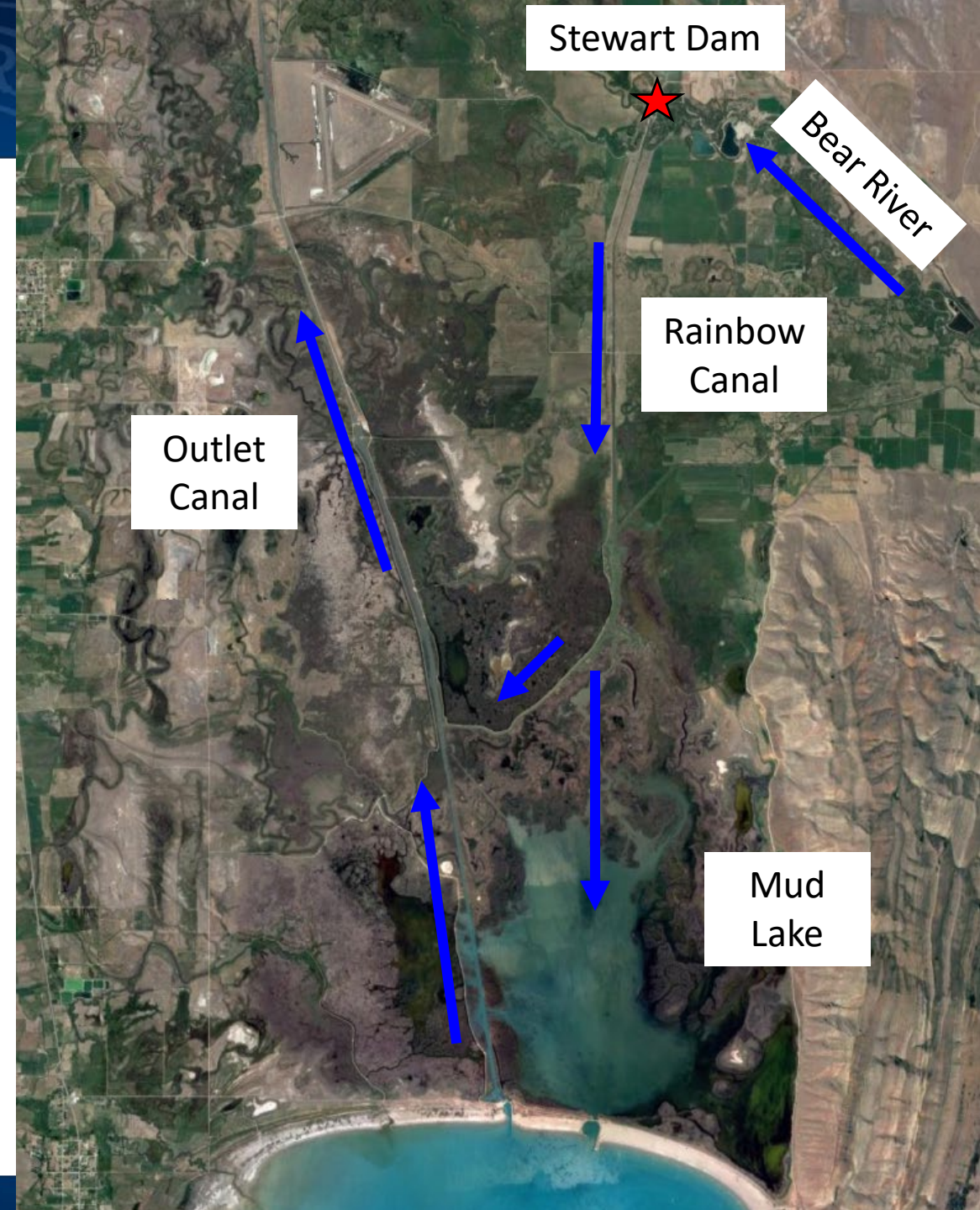
- Soda
- Grace
- Oneida
- Cutler
- Two other small hydroelectric plants

14 mw
33 mw
30 mw
30 mw



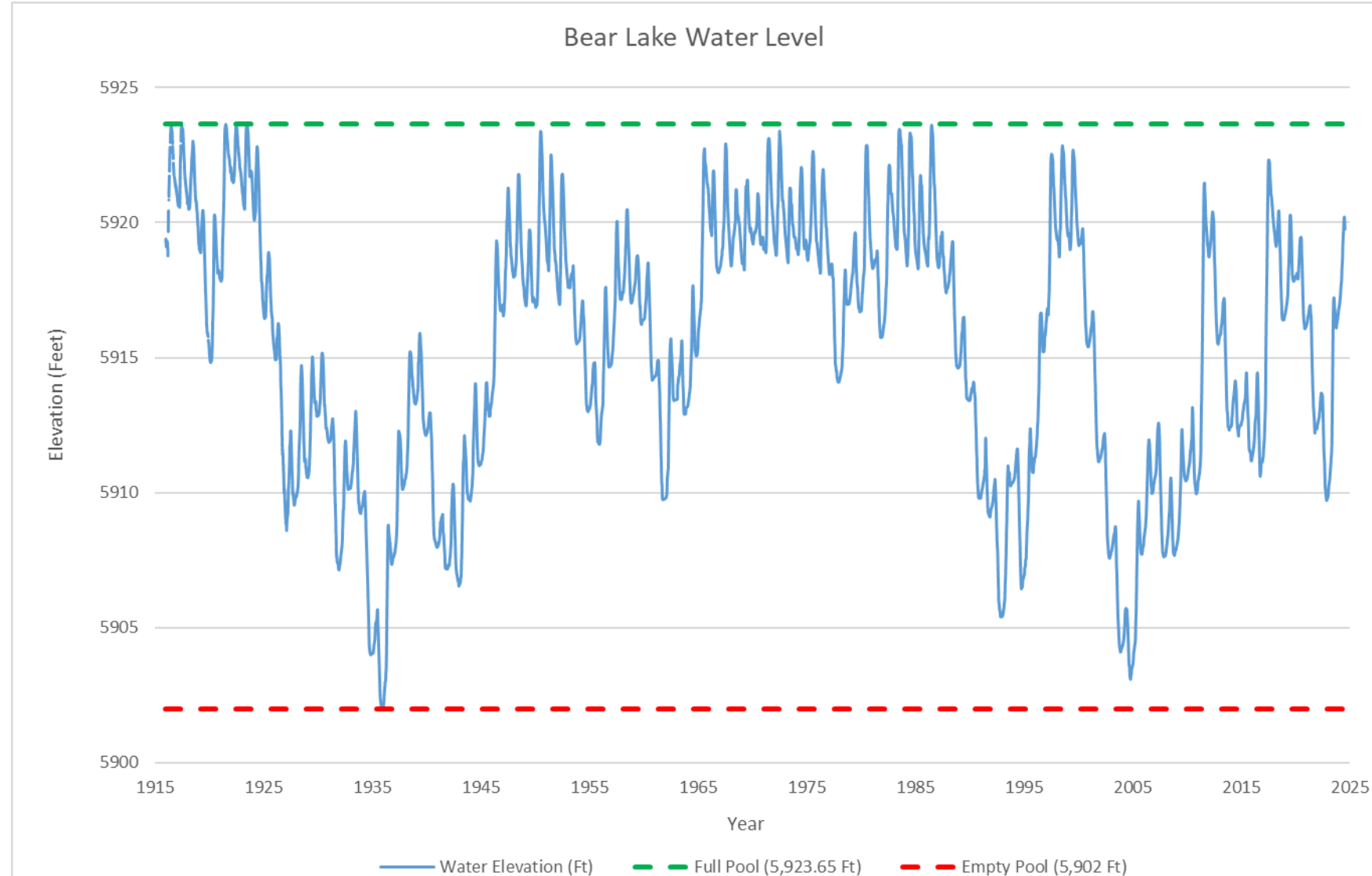
Bear Lake Geography

- Currently, not naturally connected to the Bear River.
- Operated as an off-stream reservoir.
 - Canals to fill the lake
 - Pump station to take delivery water from the lake
- Connely Baldwin will describe operations.



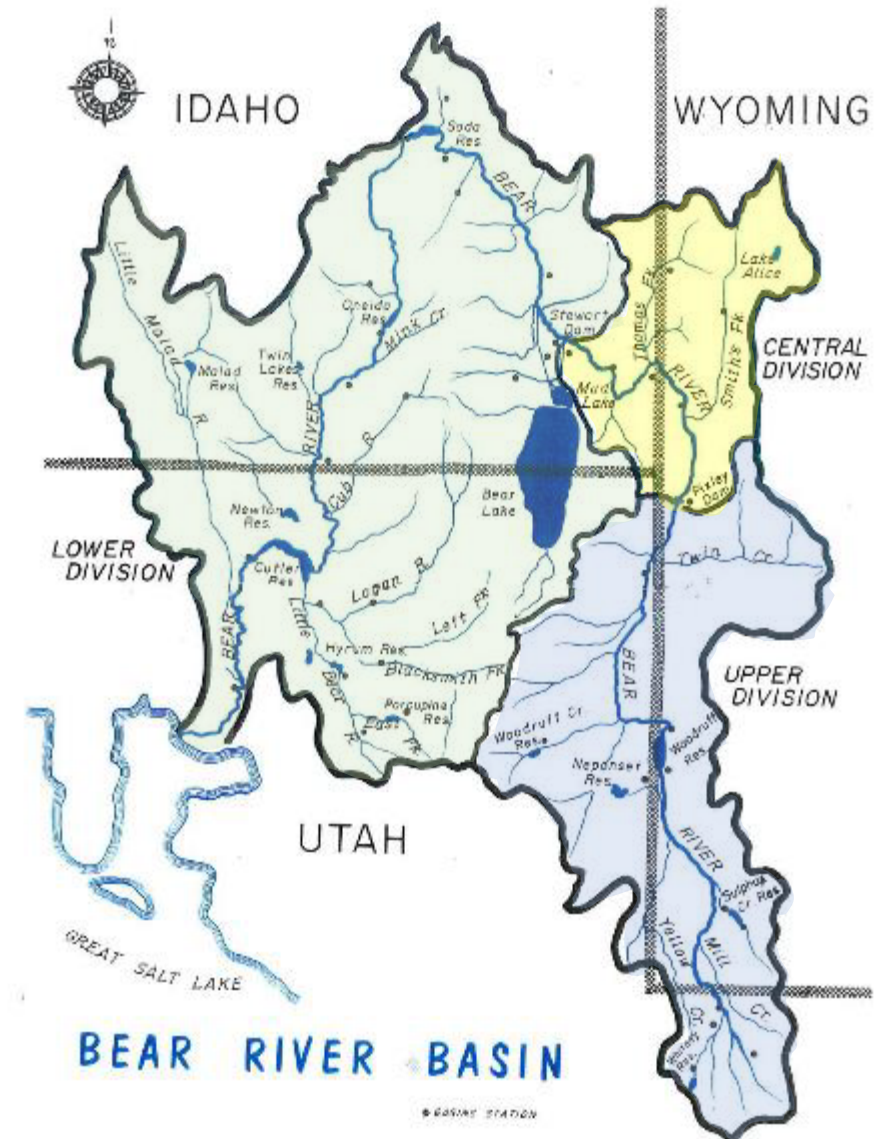
Bear Lake

- Extended periods of “wet” and “dry” conditions.
- Multi-year storage capacity (1,422,000 AF)
- Maximum storage allocation is 245,000 AF per year.
- 0 AF allocation if the lake level is <5,904 ft.



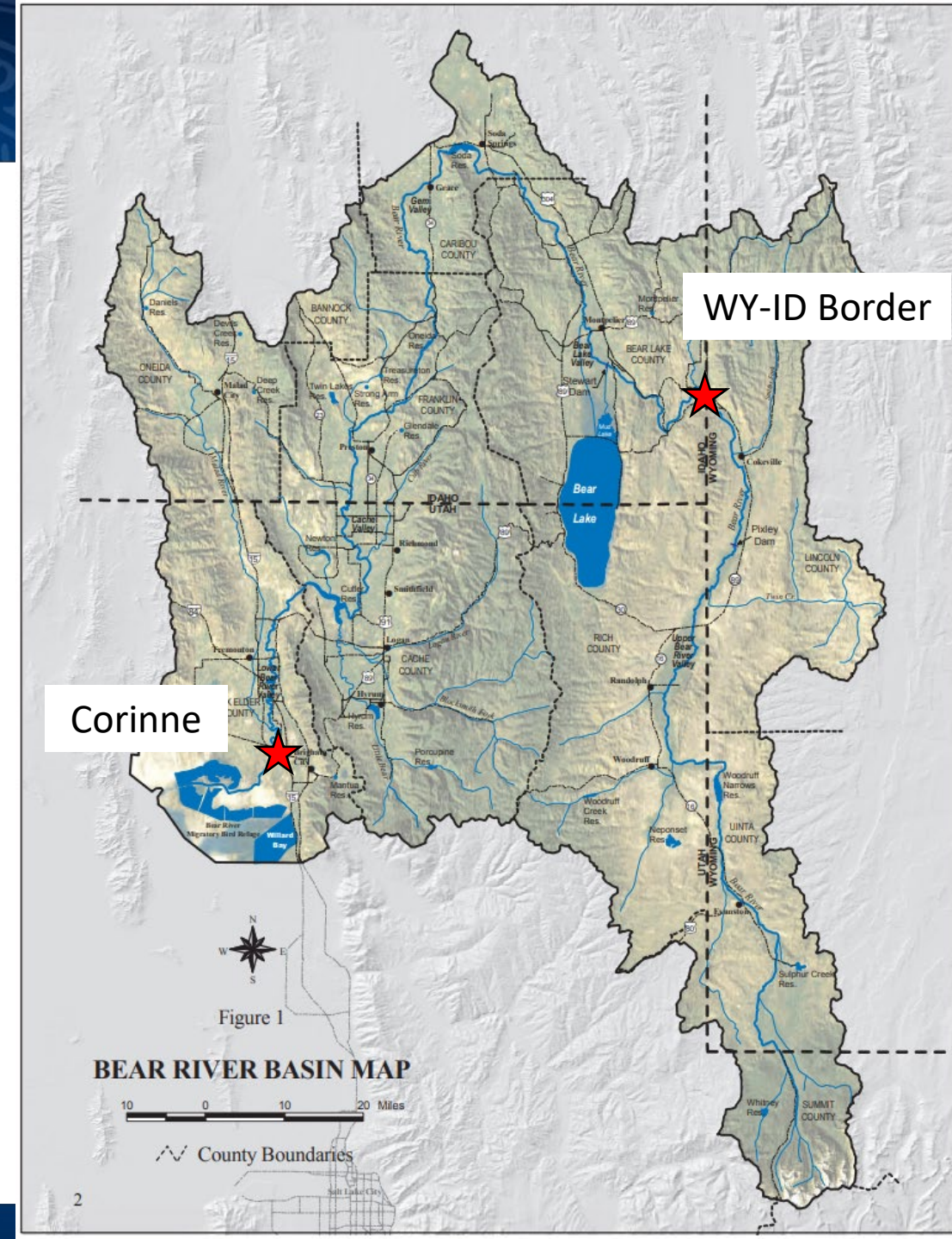
Water Right Administration

- Three areas of separate administration
 - Upper Division
 - Unita Mountains to Pixley Dam
 - Central Division
 - Pixley Dam to Stewart Dam
 - Lower Division
 - Stewart Dam to the Great Salt Lake
- Don Barnett will describe administration.



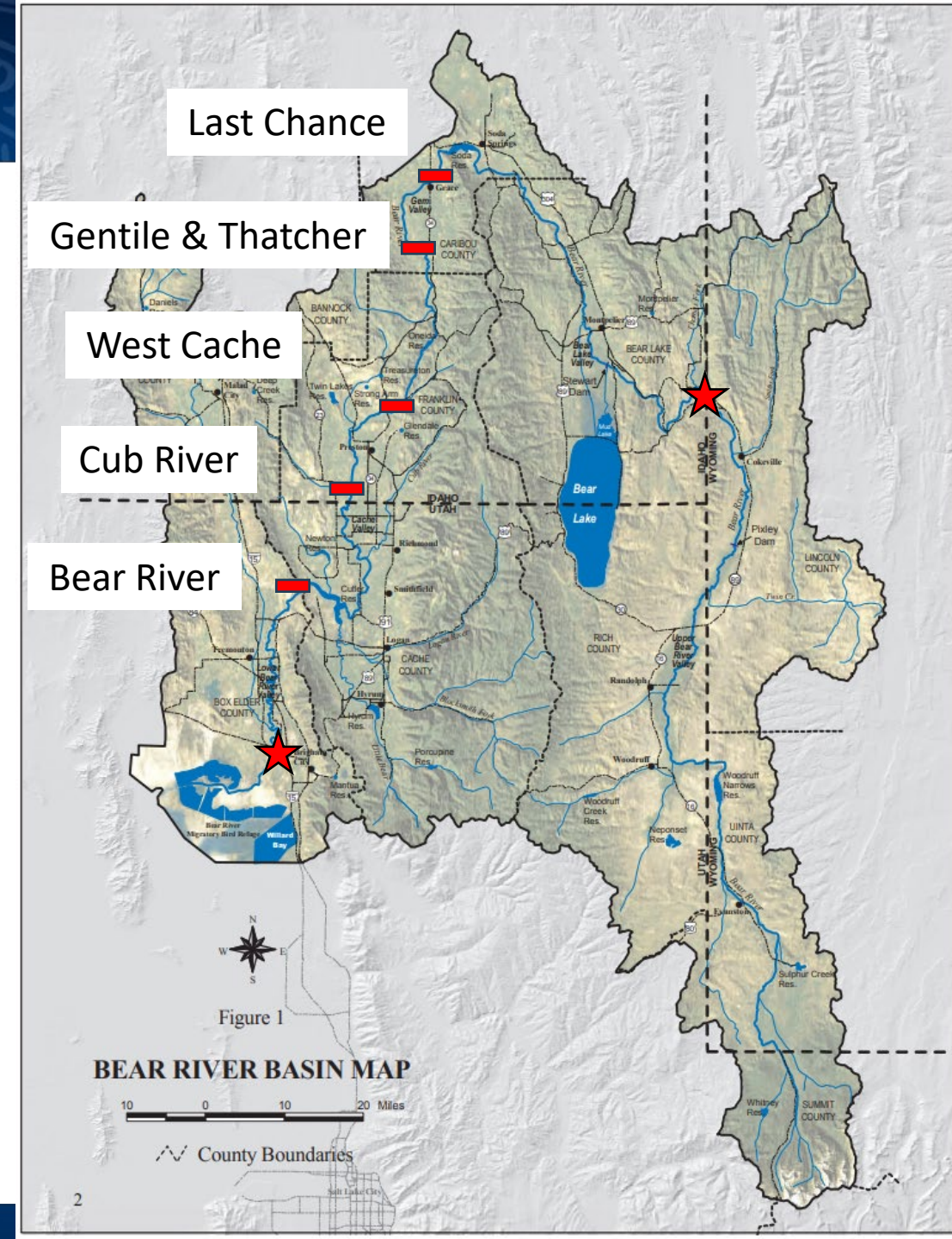
Water Right Accounting

- From the Wyoming - Idaho Border stream gage to Corinne stream gage.
- Idaho and Utah run equivalent Water Right Accounting programs.
 - Since approximately 2000.
 - Equivalent water right lists.
 - Exchange diversion data weekly during irrigation season.



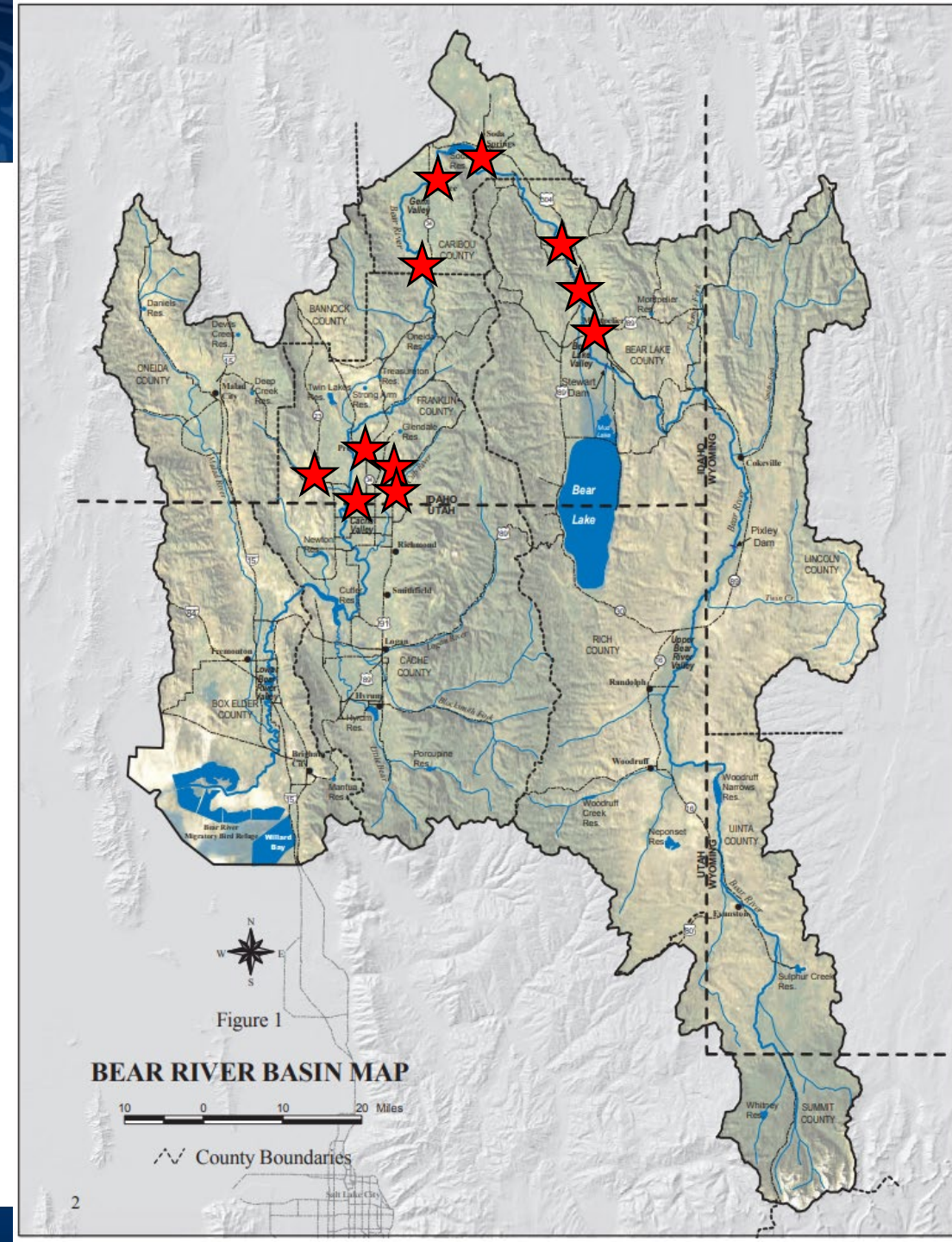
Water Right Accounting - Continued

- Documents natural flow and storage diversions.
 - Diversions
 - 5 large water users
 - Small Irrigators Associations
 - 24 in Idaho
 - ~90 in Utah
 - Bear River Migratory Bird Refuge
 - Located at the end of Bear River on the edge of Great Salt Lake.
 - Water right
 - 11/11/1928 Priority date
 - 1,000 cfs



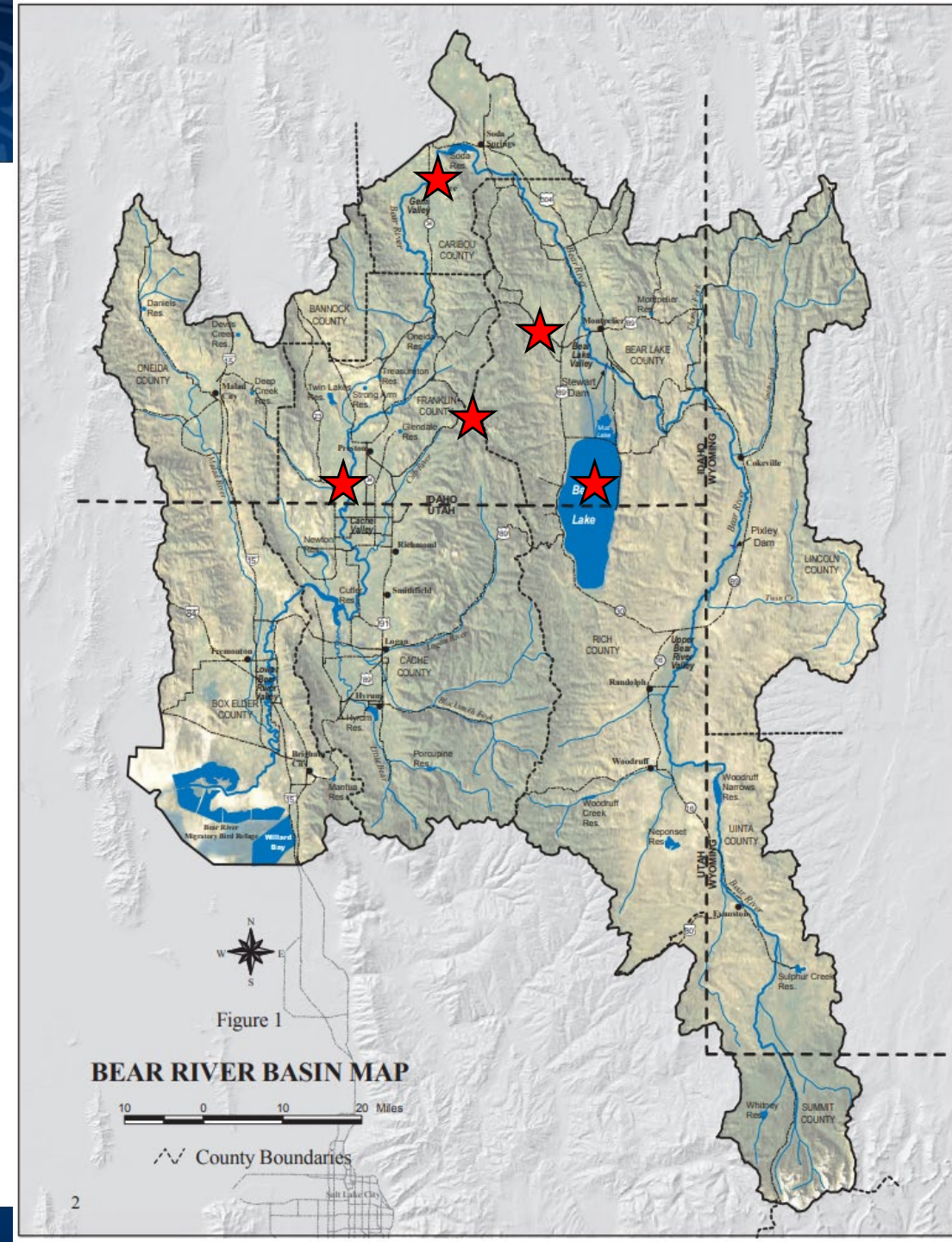
IWRB Projects

- Loan Program
 - Valley View Water & Sewer District (?)
 - Whitney-Nashville Water Company (1998)
 - City of Franklin (1999)
 - Thatcher Irrigation Company (1999)
 - City of Georgetown (2001)
 - Twin Lake - Winder Lateral (2007)
 - Cub River Irrigation District (2008)
 - South Liberty (2010)
 - Consolidated Irrigation Company (2015)
 - Last Chance Canal Company (2015)
 - Bennington Irrigation Company (2021)



IWRB Projects

- Aging Infrastructure Grants
 - Cub River Irrigation District (2023)
 - Mill Canyon North Canal Company (2023)
 - Last Chance Canal Company (2024)
- Other Projects
 - Cloud Seeding
- Bear Lake Change in Storage Operations
 - IWRB filed water right application 11-7835 for additional storage in Bear Lake.
 - Developed RiverWare Model with Utah and PacifiCorp to evaluate alternative Bear Lake flood control operations.
 - Can increase storage in Bear Lake if the flow limit at Gentile Valley is increased from 1,500 cfs to 2,600 cfs.
 - Requires flood easements in Gentile Valley.



Questions?

Matt Anders
(208) 287-4932
matthew.anders@idwr.idaho.gov



Memorandum



To: Idaho Water Resource Board

From: Staff

Date: July 22, 2024

Re: IWRB Work Session – Bear River Compact

NO ACTION REQUIRED

Don Barnett (PE) the Engineer-Manager for the Bear River Commission will be providing an overview/update on the Bear River Compact.

Bear River Compact/Commission Overview

Idaho Water Resources Board Meeting
July 25, 2024
Soda Springs, ID



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Bear River – Two Good Years!

100% of Average = “C”

Last time back-to-back streamflow above average years:

Upper Bear

15 years ago (WY 2008 and 2009)

Central Bear

25 years ago (WY 1998 and 1999)

Lower Bear

18 years ago (WY 2005 and 2006)



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Discussion Outline

- Bear River Commission/Compact
 - Bear River Compact Overview/Background
 - Major Provisions of the Compact
 - Major Changes of the Amended Compact
 - Bear River Commission
 - Committees
 - Efforts/functions



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Need for a Compact

- Originates in high Uinta Mountains (Utah)
- Flows 500 miles, but ends 90 miles from where it started, having crossed state lines **five times**

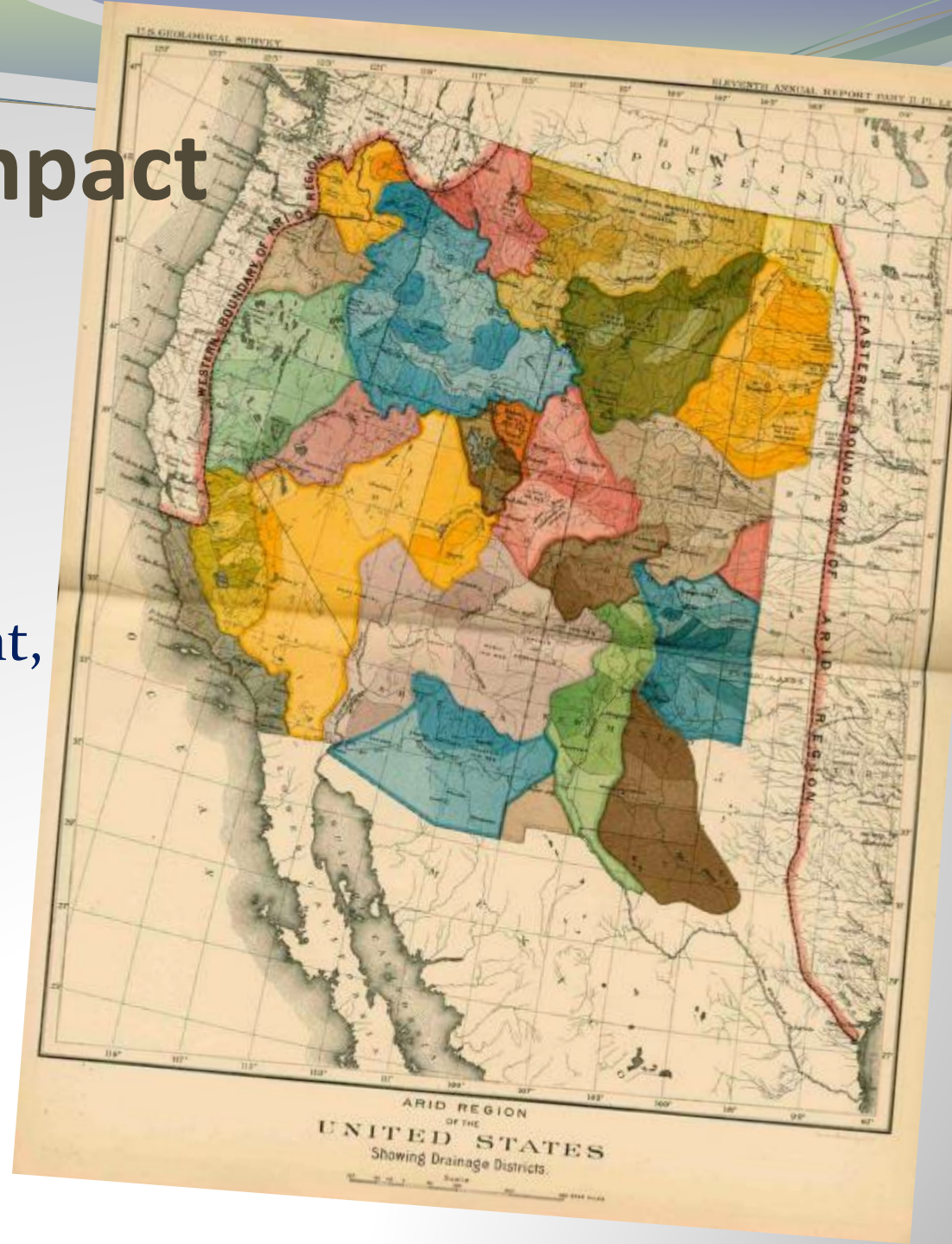


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Bear River Compact Overview

- John Wesley Powell
- Bear River – crosses 5 times
- Development, drought, conflict



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Compacting



“No State shall, without the Consent of Congress, lay any Duty of Tonnage, keep Troops, or Ships of War in time of Peace, enter into any Agreement or Compact with another State, or with a foreign Power, or engage in War, unless actually invaded, or in such imminent Danger as will not admit of delay.”

ARTICLE I, SECTION 10, CLAUSE 3



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Creating and Amending a Compact

- Study
- Permission from Congress
- States formally negotiate
- Public hearings
- Signed by State negotiators
- Sent to three States' Legislatures
- Signed into law by three States' Governors
- Sent to US Congress/hearings/bill
- Sign by President



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Negotiations/ Studies



- Legal and Engineering Committees were formed
- Supported by USGS and Reclamation in studies
- Approved a rather comprehensive streamflow and data collection effort
- Major issues:
 - Prior Appropriations versus Equitable Apportionment?
Mostly based on acreage.
 - Grant of additional storage above Bear Lake?



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Canal	Appropriator	Adjudicated			Accum. c.f.s.	Planim. Acreage Served
		Priority	Acres	c.f.s.		
Bear	E. Barker, et al	8-24-04	4,177	59.56	59.56	
	C.E. Clark, et al	5-17-30	843	12.04	71.60	
	W. R. Lowham	11-14-30	40	.57	72.17	
	G. Barker	1-10-31	83.1	1.19	73.36	
	Totals		5,143.1			4,753
Tropic	J. W. Hatten	1889	150	2.14	2.14	
	S. F. Hatten	10-19-01	128	1.82	3.96	
	B. J. Atkinson	9-13-17	313.38	4.48	8.44	
	Totals		591.38			584
Danielson	C. G. Danielson	1-27-95	223	3.18	3.18	
	C. G. Danielson, Jr.	1-07	158	2.25	5.43	
	Totals		381			400
Pine Grove & Crown	R.M. Lewis, et al	10-5-90	680	9.69	9.69	
	R.M. Lewis, et al	10-13-90	1,023	14.61	24.30	
	C. A. Lannon	6-30-92	15	.21	24.51	
	J. L. Lewis	4-13-03	155	2.21	26.72	
	J. F. Spencer	1-6-08	401	5.73	32.45	
	Not adjudicated					85
	Totals		2,274			2,235
McGraw & Big Bend	J. A. McGraw	9-30-83	260	3.71	3.71	
	J. A. McGraw	7-12-97	315	4.50	8.21	
	A. McGraw	9-7-10	468	6.68	14.89	
	Totals		1,043			1,013
Homer	H. Homer	May 1886	65	.92	.92	107
Lewis	Myers L. & L.S. Co.	9-23-88	20	.28	.28	
	Crown L.S. Co.	10-4-88	360	5.14	5.42	
	T. F. Lewis	4-20-00	460	6.57	11.99	
	Not adjudicated					40
	Totals		840			822
Lewis & Blanchard	Crown L. & S. Co. & Rose Lewis	6-18-88	260	3.71	3.71	207
Myers #2	Myers L. & L.S. Co.	9-23-88	150	2.14	2.14	
	do	2-13-01	430	6.14	8.28	
	do	3-28-39	45	.64	8.92	
	Not adjudicated					58
	Totals		625			654



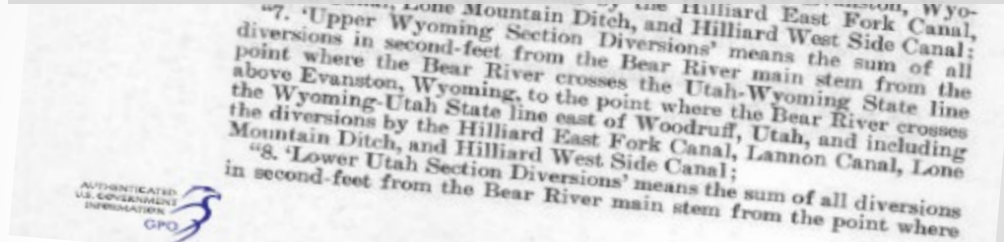
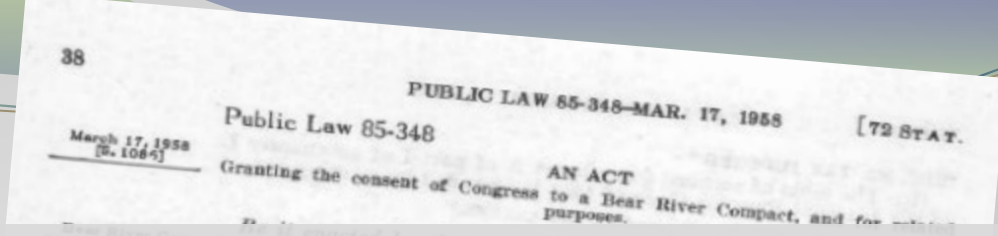
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Original Compact (1958)

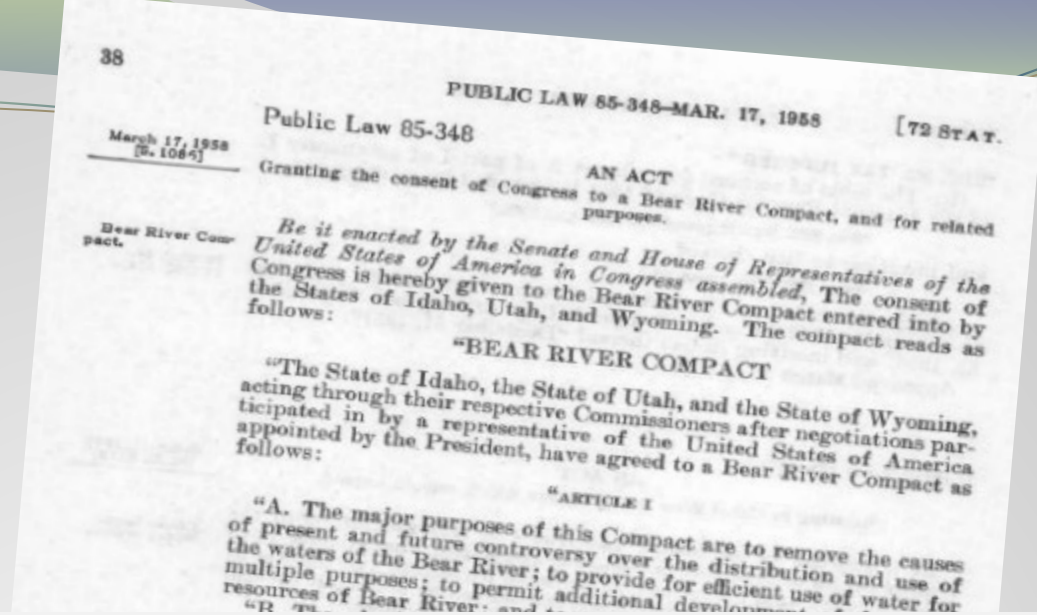


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Original Compact	
Article I	Purposes
Article II	Definitions
Article III	Creation of Bear River Commission
Article IV	Distribution of direct flow rights
Article V	Allocation of storage rights
Articles VI - XVI	



Original Compact (1958)

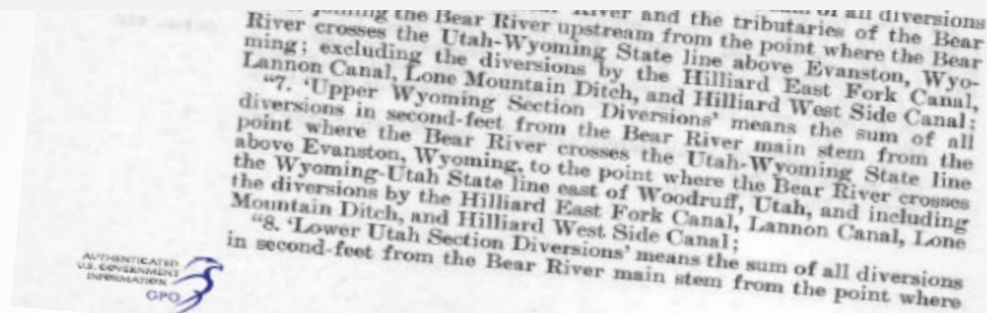


ARTICLE I

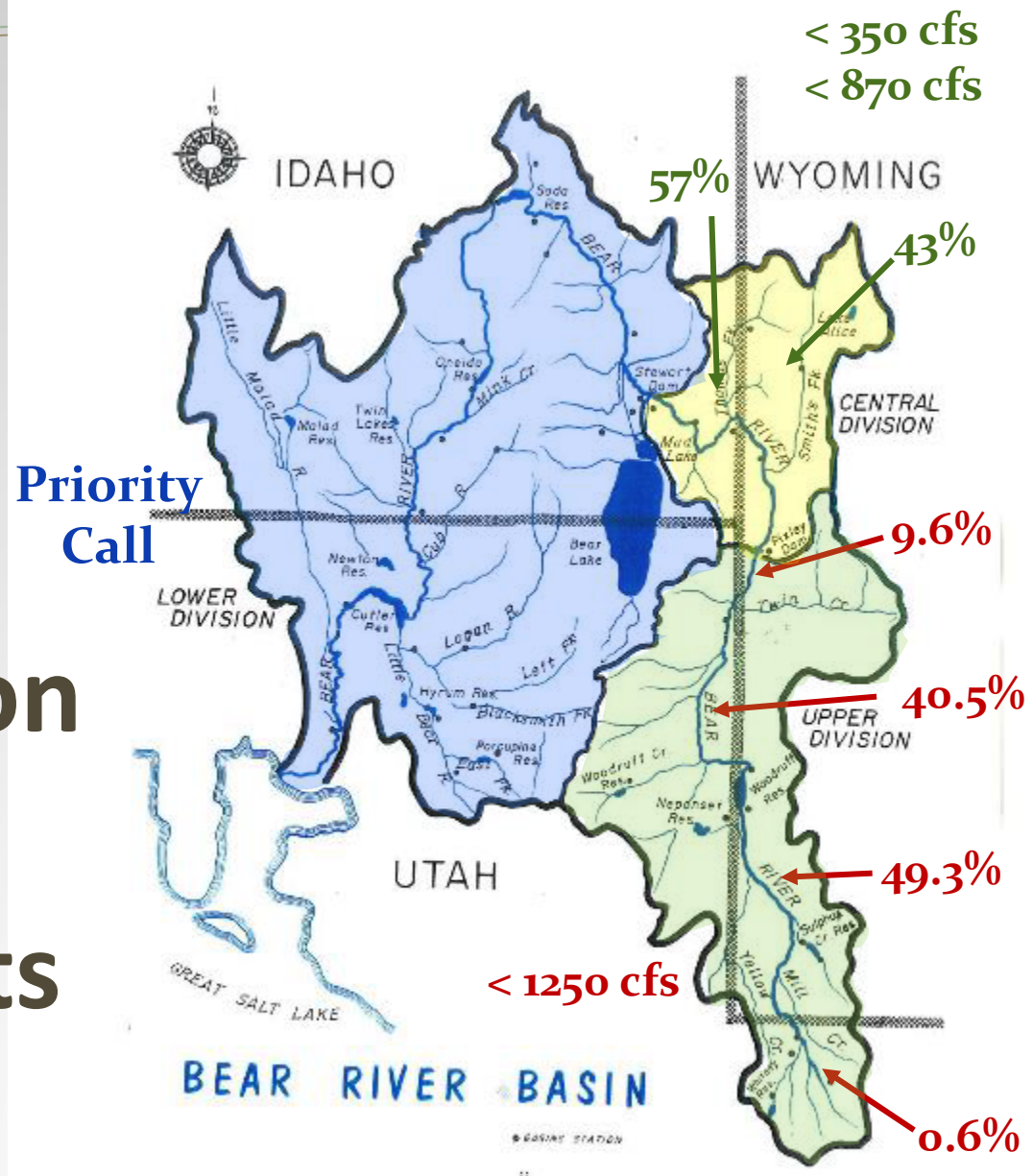
"A. The major purposes of this Compact are to remove the causes of present and future controversy over the distribution and use of the waters of the Bear River; to provide for efficient use of water for multiple purposes; to permit additional development of the water resources of Bear River; and to promote interstate comity."



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Distribution of Direct Flow Rights



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Bear Lake Elevations

Bear Lake

UP&L Datum

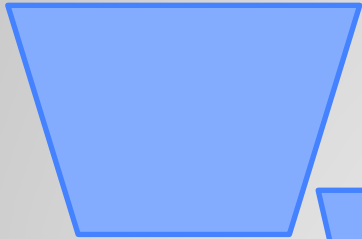
which is 2.75' higher than the 1929 mean sea level datum with the Pacific Northwest adjustment of 1947.



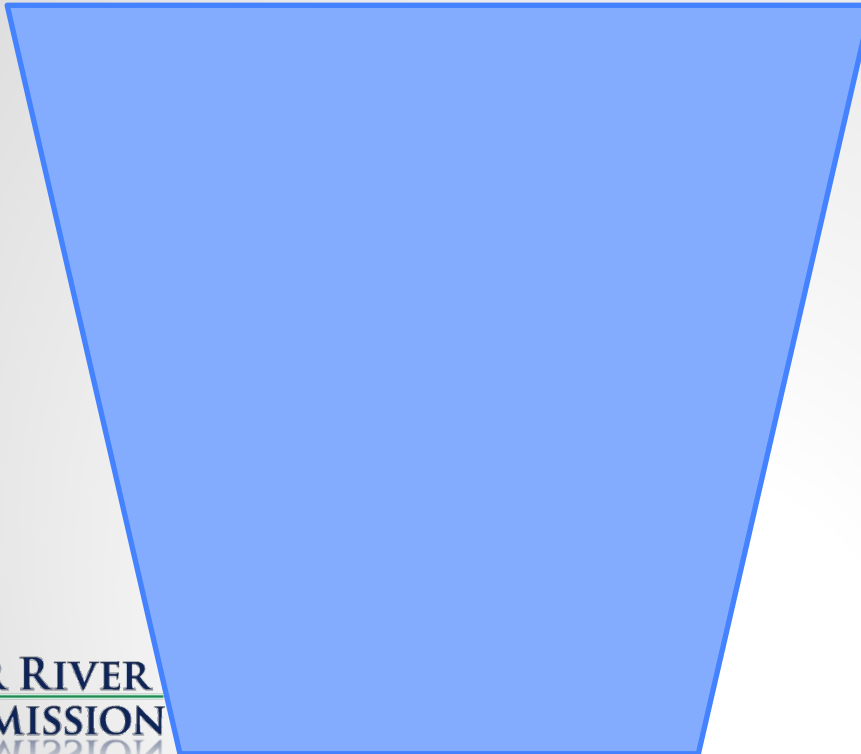
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Bear Lake Elevations

Mud Lake



Bear Lake



5923.65 – full (1,422,000 af)



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5902 – reservoir empty

Constructed Additional Storage Provided for Under the Original Compact

<i>Reservoir</i>	<i>Allocation</i>
Sulphur Creek Reservoir (Wyoming)	4,614 ac-ft
Sulphur Creek Reservoir Enlargement (Wyoming)	1,100 ac-ft
J. L. Martin Reservoir, Sulphur Creek (Wyoming).....	88 ac-ft
A. J. Barker Reservoir, Yellow Creek (Utah)	162 ac-ft
Hatch Brothers Reservoir (Utah)	350 ac-ft
Woodruff Narrows Reservoir (Wyoming)	3,250 ac-ft
Woodruff Narrows Reservoir (Utah)	15,240 ac-ft
Whitney Reservoir (Wyoming).....	4,200 ac-ft
Wyman Reservoir (Wyoming).....	22 ac-ft
Massae Reservoir (Wyoming).....	107 ac-ft
Massae Reservoir Enlargement (Wyoming)	51 ac-ft
Woodruff Creek Reservoir (Utah)	2,000 ac-ft
Coy Reservoir (Wyoming).....	50 ac-ft
Bear River Regional Joint Powers Board (Wyoming).....	168 ac-ft
TOTAL ALLOCATION	31,402 ac-ft

Figure O.4

BEAR LAKE ELEVATION

Annual Maximum & Minimum Elevations

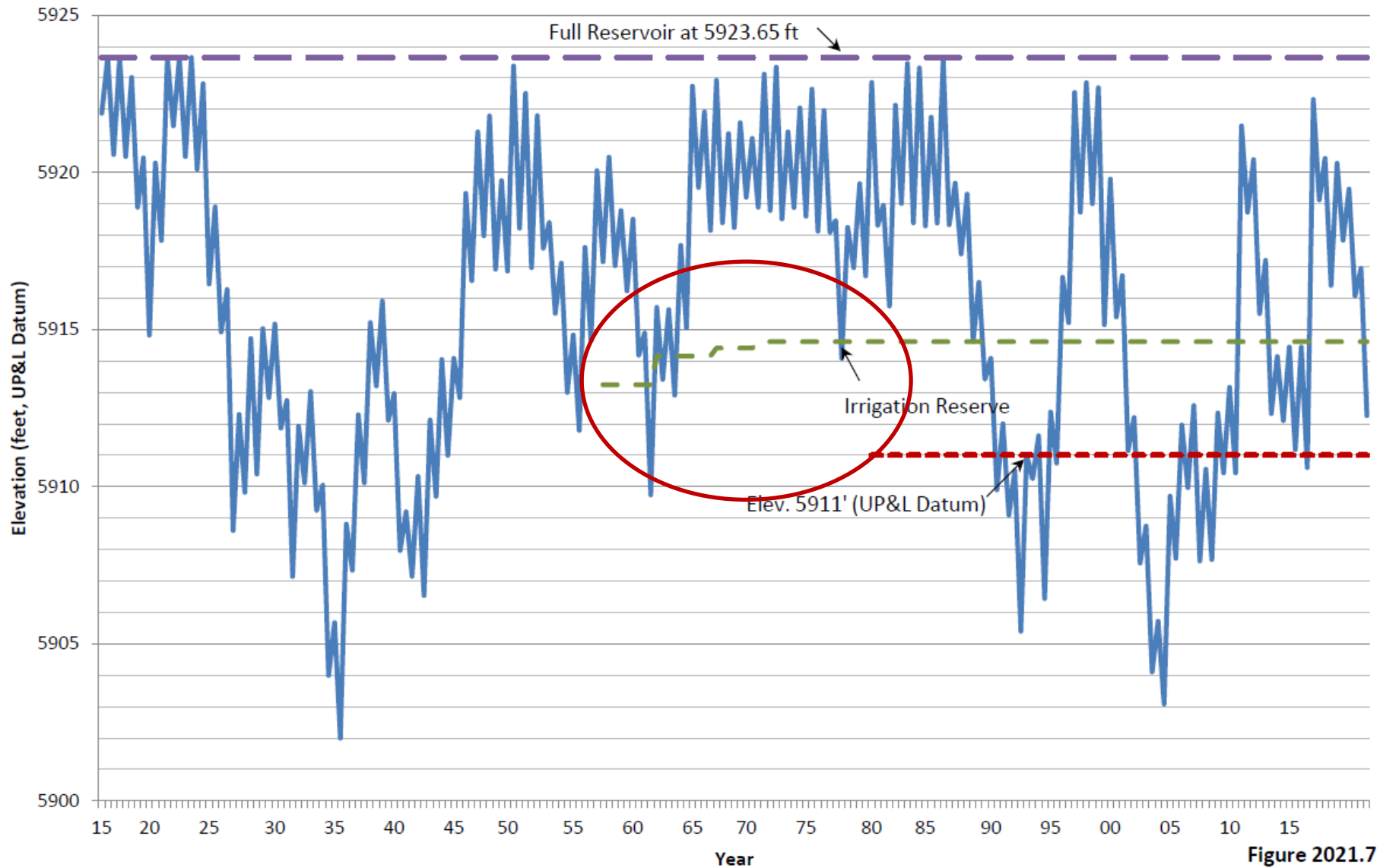
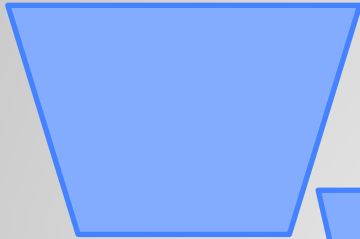


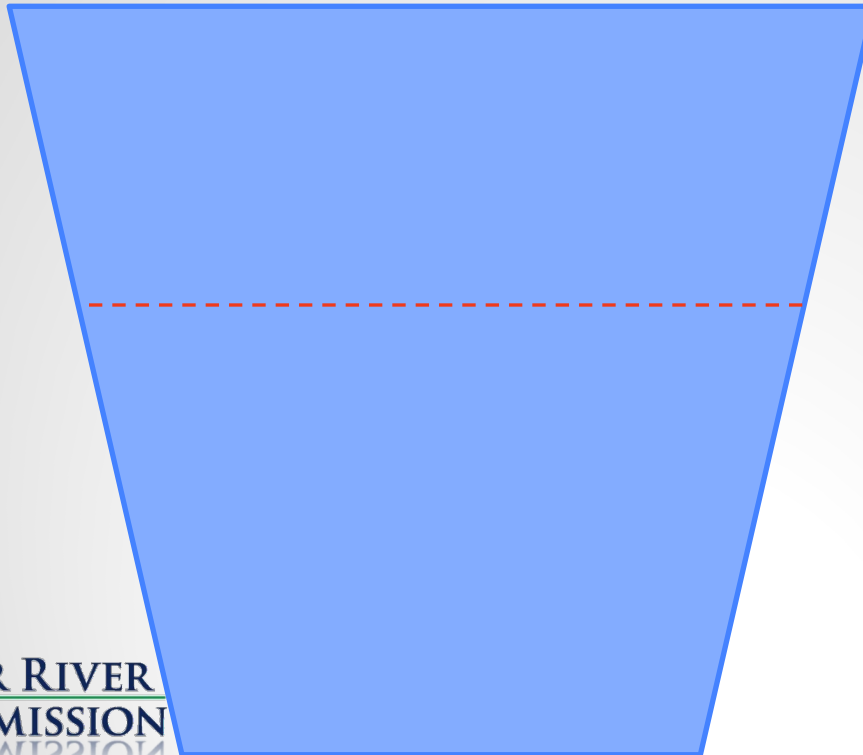
Figure 2021.7

Original Compact

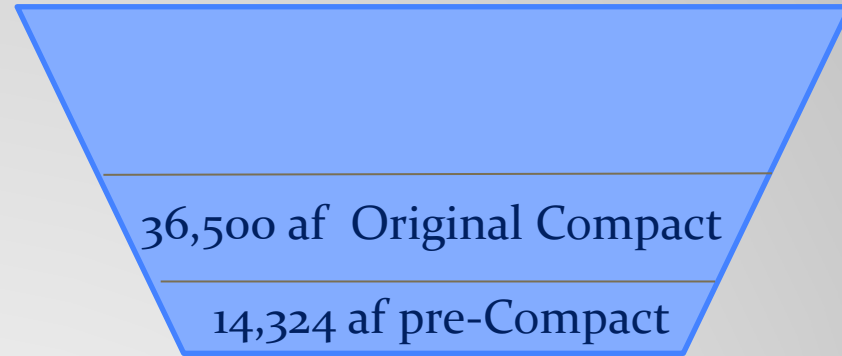
Mud Lake



Bear Lake



Upstream Storage



5923.65 – full (1,422,000 af)

5914.61 – irrigation reserve

5902 – reservoir empty



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Bear River Commission

“There is hereby created an interstate administrative agency to be known as the ‘Bear River Commission’ which...shall be composed of nine Commissioners, three Commissioners representing each signatory State, and if appointed by the President, one additional Commissioner representing the United States of America who shall serve as chairman, without vote. Each Commissioner, except the chairman, shall have one vote. The State Commissioners shall be selected in accordance with State law...”

Article III

Idaho Commissioners



Mat Weaver
(IDWR Director)

Kerry Romrell
(Dingle, ID)

Curtis Stoddard
(Grace)

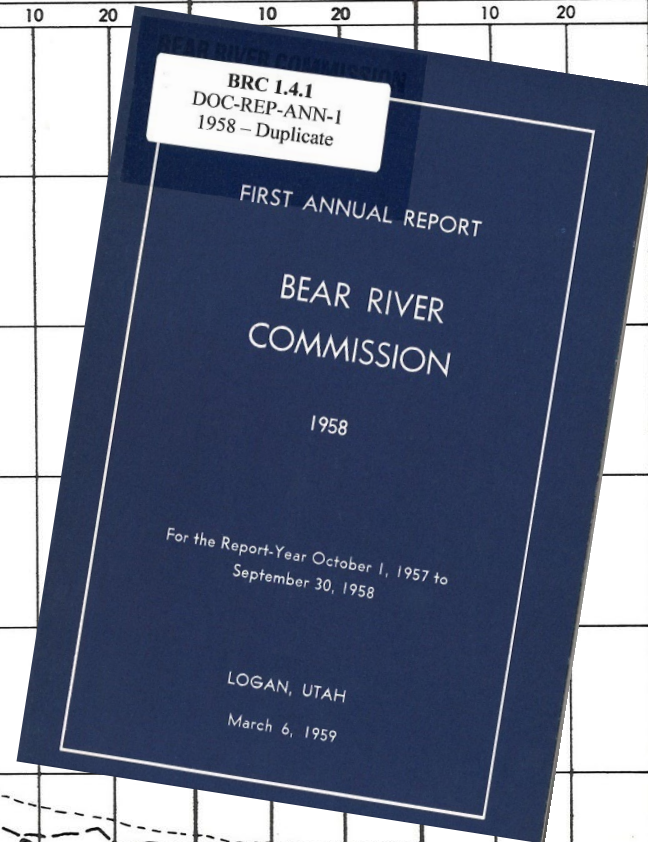
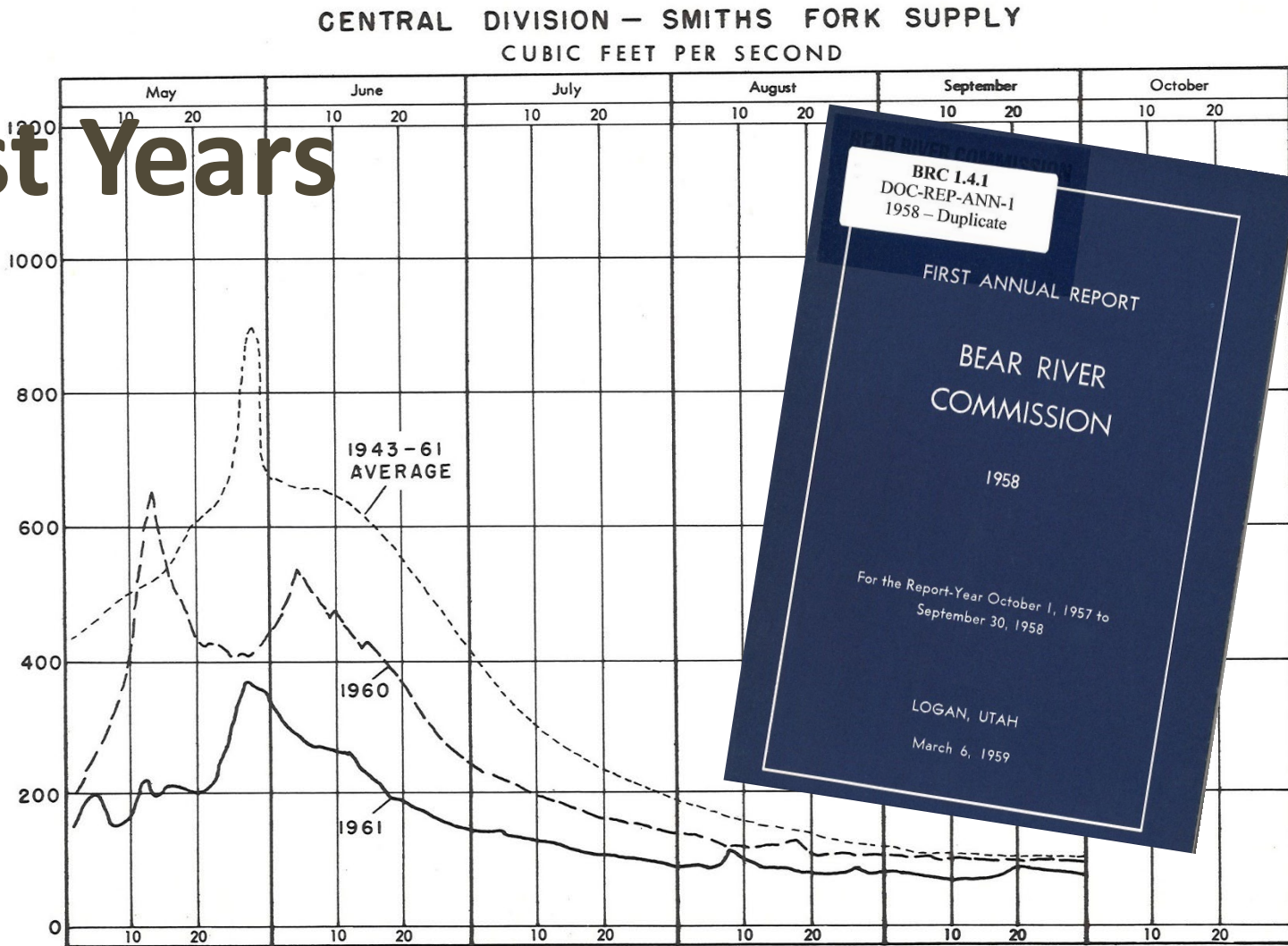
Commissioners — Appointment.
The Commission is hereby authorized and
empowered to represent the state
and composed of three (3)
members of Idaho, Utah, and
Wyoming that may be appointed to
the Commission, the said joint commission
shall administer the Bear

Commissioners of Bear River
Commissioners shall be electors of the
state within the watershed of the Bear
River may be the director of the
state of Idaho.



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First Years



BEAR RIVER COMMISSION

Figure 4

Amended Compact (1980)

- Race for Lower Division development?
 - Original Compact allocated too little additional storage above Bear Lake?
 - Unrestricted groundwater development?
 - Depletion limits?
-

- Governors initiated discussions in 1967
- Negotiations in earnest occurred b/ 1970-1976
- Congress consented to the Amended Bear River Compact in 1980 – signed by President Carter

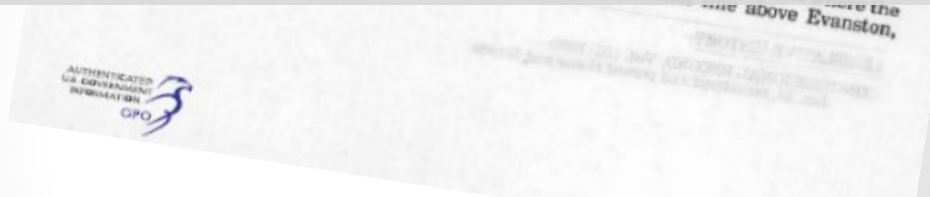


Amended Compact (1980)

- No changes to direct flow water rights
- Pre-1976 water development in Lower Division was recognized
- Additional rights to deplete were granted in the Lower Division:
 - Idaho – 125,000 af (first)
 - Utah – 275,000 af (second)
 - more
- Additional 74,500 af of storage above Bear Lake (5911 elevation limitation)
- This additional storage, plus ground-water development, was limited to an annual depletion of 28,000 af



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Storage Allocation:

4,500 af – Idaho

35,000 af – Utah

35,000 af – Wyoming

Limits:

- 1) Subordinated to direct flow rights in any division
- 2) cannot store if Bear Lake is below 5911, and
- 3) cannot deplete more than 28,000 af

Upstream Storage

74,500 af Amended Compact

36,500 af Original Compact

14,324 af pre-Compact

5923.65 – full (1,422,000 af)

5914.61 – irrigation reserve

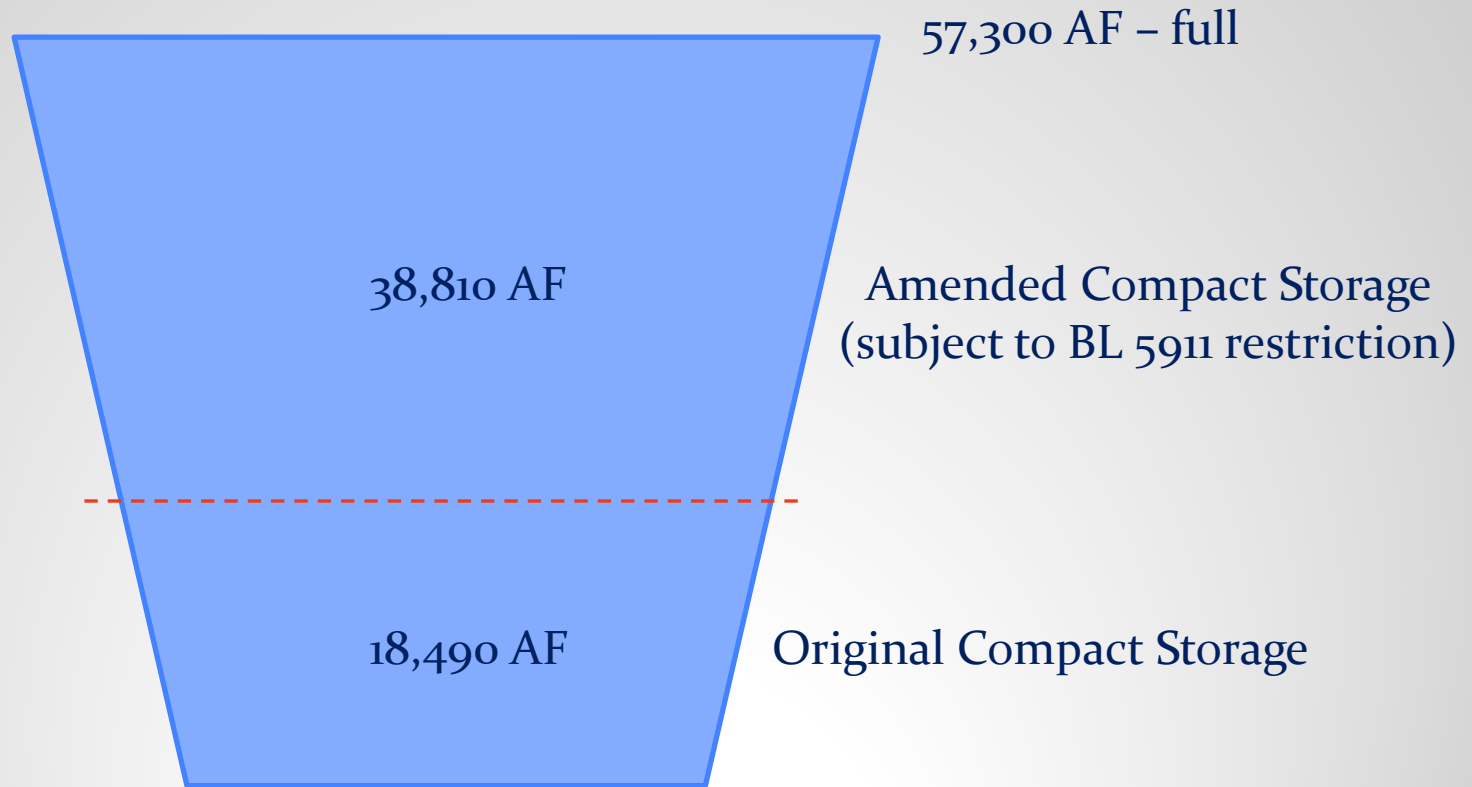
5911 – upstream storage restriction

5902 – reservoir empty

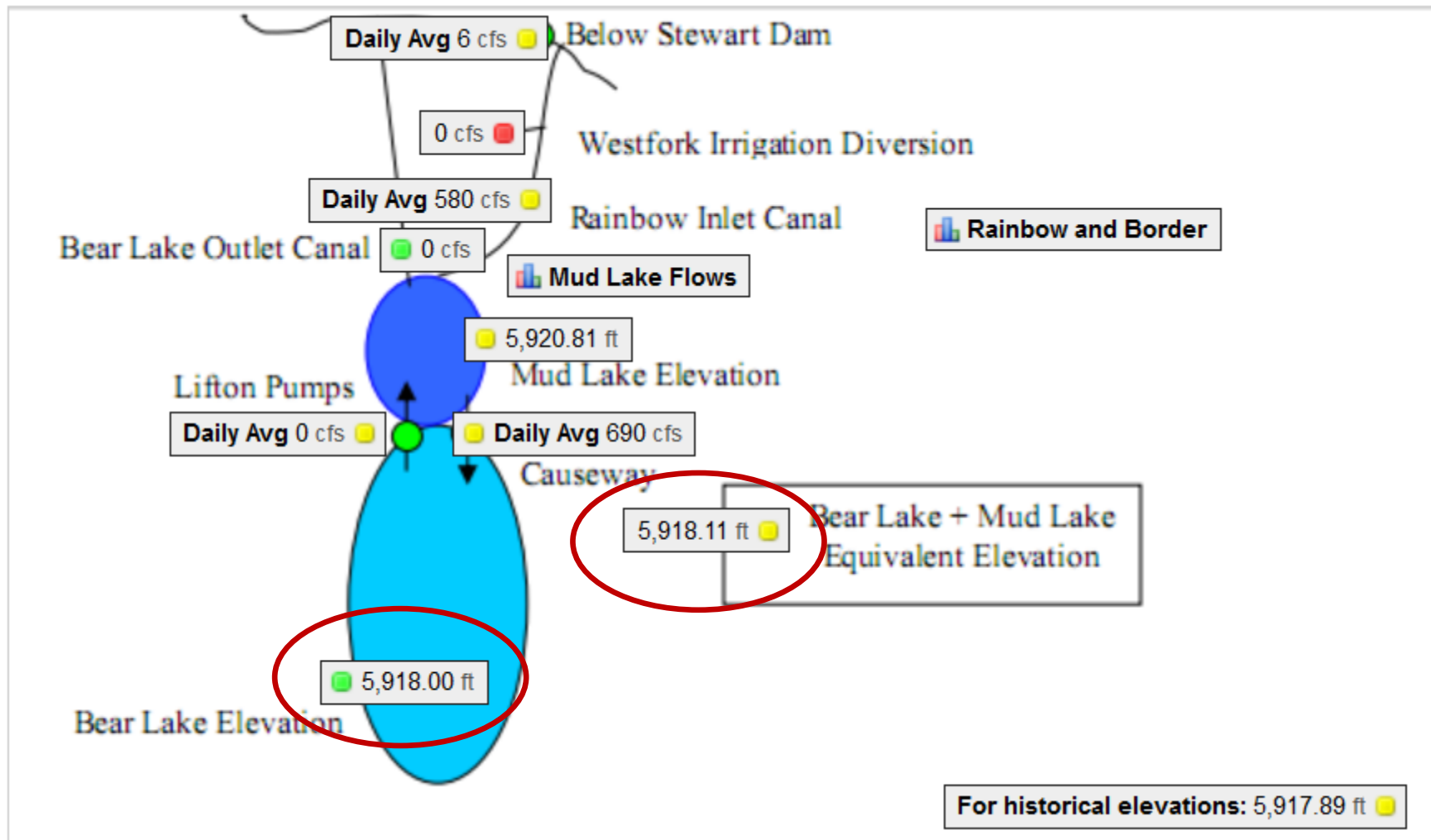


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COORDINATION

Woodruff Narrows



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History

History of the Bear River Compact

By Wallace N. Jibson

November 1991



BEAR RIVER COMMISSION
SALT LAKE CITY, UTAH



BEAR RIVER
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"Law of the River"

35

Public Law 86-1064

March 17, 1958
(S. 1064)

Granting the

Be it enacted
United States
Congress is hereby
enacted that the
States of

Bear River Com-
pact.

"The Stat-
acting throu-
ticipated in
appointed in
follows:

"A. The
of present
the waters
multiple
resources
"B. The
River com-
or proceed
to be esta-

"As in
"1. B.
source in
"2. B.
"3. C.
source
version
North,
"4. B.
Pixley
tion 34
Idaho
"5. B.
Stevens
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"6. B.
in sec
River
River
mining
Land
"7. B.
diver-
points
about
the
Me-
in

U. S. DEPARTMENT OF AGRICULTURE
P. O. BOX 1000
WASHINGTON, D. C. 20250

9-13-29-1000

CERTIFICATE

APPLICATION NO. 10527

the State of Utah, that the appropriation of water
by..... U. S. DEPARTMENT OF AGRICULTURE
therefor, received in the office of the State Engineer
of the record of applications to appropriate water
the State of Utah, under and by authority and direction
of..... U. S. DEPARTMENT OF AGRICULTURE
use of..... 1,000 c.f.s. of

The water is diverted from
35, T. 9 N., R. 4 W. (b) S. 54
of the SE cor. of Sec. 30, r. 9 N.
equipped with steel radial gates
aggregating 105000 ft. long, v
clusive of each year to flood the
Sec. 7, W. 1/2 Sec. 16, Secs. 17 &
Secs. 1 to 16 inclusive, r. 8 N.
food and to provide physical con-
to provide a refuge, feeding and
by natural evaporation is return-

The date of priority of this right is.....

In Witness Whereof

AMENDED
BEAR LAKE SETTLEMENT

THIS AMENDED AND RESTATED (the "Agreement") is made and entered into between LAST CHANCE CANAL CO. WEST CACHE IRRIGATION COMPANY BEAR RIVER WATER USERS AS "Company Irrigators"; and BEAR LAKE GROUP interest to JIM KIMBAL, EMERALD I collectively as the "Bear Lake Group" referred to herein individually as a "Party"

A. WHEREAS, PacifiCorp Idaho (Utah Power & Light Company No. 203, July 14, 1920) and the Kin Richmond Irrigation Company, et al., storage in the top 21.65 feet of Bear 1 manage and release the same for irrigation generation incidental to releases for irrigation and for other beneficial uses; and

B. WHEREAS, the Company diverting water from Bear River under the "Small Irrigators" hold contract has historically been applied to be 157,000 acres in Idaho and Utah (the

C. WHEREAS, the Bear consist of property owners around Lake for recreation, aesthetic and other

D. WHEREAS, the Parties entitled "Bear Lake Settlement Agreement"; and

E. WHEREAS, the Parties unincorporated associations of Association" and the "Utah Pump Associations are referred to in this

F. WHEREAS, as the Parties have pursued with the states of Idaho single interstate model and mode

AGREEMENT Regarding the Bear River System

This Agreement is entered into this 5th day of October, 1999, by and among PACIFICORP, an Oregon corporation ("PacifiCorp"); SCOTTISH POWER plc, a public limited company registered in Scotland ("ScottishPower"); the STATE OF IDAHO, by and through the Director of the Department of Water Resources ("Idaho"); the STATE OF UTAH, by and through the Director of the Division of Water Resources ("Utah"); and the STATE OF WYOMING, by and through the State Engineer ("Wyoming"). PacifiCorp, ScottishPower, Idaho, Utah, and Wyoming are individually referred to as a "Party" and collectively as the "Parties."

RECITALS

A. PacifiCorp operates hydroelectric plants on the Bear River and holds water rights in the Bear River and Bear Lake (such hydroelectric plants and water rights referred to herein as "Bear River System"). PacifiCorp's water rights in the Bear River System are subject to the Amended Bear River Compact among the States of Idaho, Utah and Wyoming, as well as the laws of the three States, and other obligations.

B. PacifiCorp and ScottishPower are parties to a merger transaction that is currently the subject of approval proceedings before the public utility commissions in the States of Idaho, Utah and Wyoming.

C. The Parties recognize the need to assure the public utility commissions of the States of Idaho, Utah, and Wyoming, and the other public officials and water users of the three States that PacifiCorp's merger with ScottishPower will not affect the operation of the Bear River System or PacifiCorp's ownership or exercise of its Bear River water rights.

D. By this Agreement, PacifiCorp and ScottishPower intend to assure the States of Idaho, Utah and Wyoming that PacifiCorp or ScottishPower will not make any separate agreement with any State individually regarding PacifiCorp's or ScottishPower's water rights in the Bear River System.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

1. Both ScottishPower and PacifiCorp agree that:
 - a. PacifiCorp's water rights are constrained by the historic practice of not making a delivery call for hydropower generation; and
 - b. Bear Lake is operated, consistent with long-standing historic practice and applicable laws, primarily as a storage reservoir to satisfy

Page 1 of 5



BEAR RIVER
COMMISSION

Bear River Commission
Estimated Annual Depletions (Acre-Feet)¹
Changes from January 1, 1976, to December 31, 2019

ABOVE STEWART DAM

State	Allocation	Agricultural Depletions	M&I Depletions	Reservoir Evaporation	Total Depletions	Remaining Allocation
Utah	13,000	5,839	-8	582	6,413	6,587
Wyoming	13,000	5,058	826	140	6,024	6,976
Idaho	2,000	1,150	3	0	1,153	847

LOWER DIVISION

State	Allocation	Agricultural Depletions	M&I Depletions	Reservoir Evaporation	Total Depletions	Remaining Allocation
Idaho	125,000 ²	16,387	245	11	16,643	108,357
Utah	275,000 ³	-16,879	11,543	0	-5,336	275,000

¹Any reductions in pre-1976 depletions are reflected in the above numbers.

²First right under Compact. Compact grants additional rights.

³Second right under Compact. Compact grants additional rights.



Commission Bylaws

- Standing Committees
 - Management Committee
 - Operations Committee
 - Records and Public Involvement Committee
 - Water Quality Committee
 - Technical Advisory Committee
- Meetings
 - Generally, twice each year
 - April and November



BEAR RIVER
COMMISSION
COMMISSION

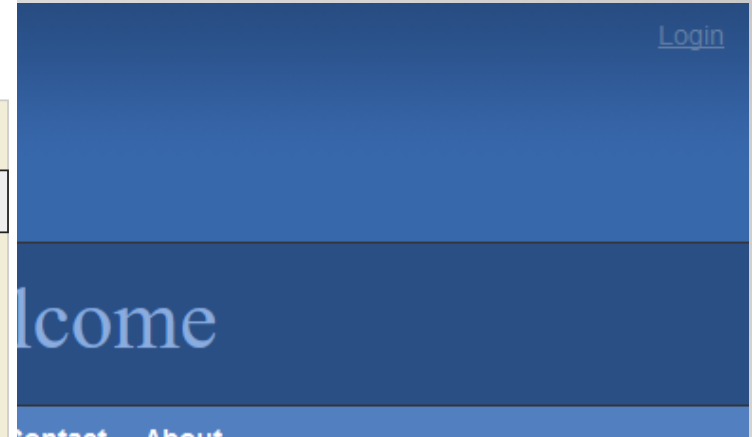
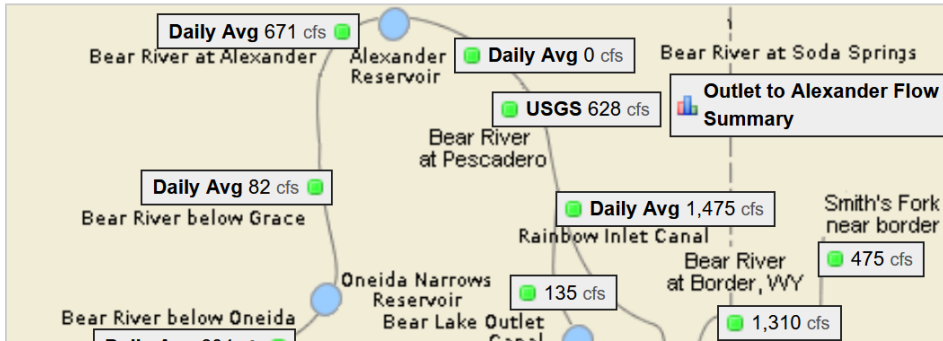
Real-Time Gage Data



**BEAR RIVER
COMMISSION**
COMMISSION

Real-Time Gage Data

Rivers



Idaho Central Division



Records and Public Involve Con

USGS Bear Lake Reports

Notice:

In the 1990s and continuing into the early 2000s, the past climates. Bear Lake was recognized as having u insight into paleo climate change in the whole region were subsequently published in GSA Special Paper Bear River Commission by the USGS for posting on Commission staff as a guide in understanding these

[A Bear River Commission Staff Summary of Introduction to Paleoenvironments of Bear Lake](#)
[Climatic and Limnologic Setting of Bear Lake](#)
[Geology and Geomorphology of Bear Lake](#)
[Late Quaternary Sedimentary Features of Bear Lake](#)
[Isotope and Major-ion Chemistry of Groundwater in the Bear Lake Basin](#)
[USGS studies bear lake](#)

[Radiocarbon Ages and Age Models for the Alluvial Sedimentary Components of Bear Lake](#)
[Endogenic Carbonate Sedimentation in Bear Lake](#)
[Ostracode Endemism in Bear Lake, Utah](#)

[A 19,000-year Vegetation and Climate Record from Bear Lake](#)

[A 19,000-year Record of Hydrologic and Climate Change from Bear Lake](#)

[The Glacial/Deglacial History of Sedimentation in Bear Lake](#)

[Sedimentary Constraints on Late Quaternary Climate Change in Bear Lake](#)

[Paleomagnetism and Environmental Magnetism in Bear Lake](#)

[A Quarter-Million Years of Paleoenvironmental Change in Bear Lake](#)

[A Continuous 250,000 Yr. Record of Climate Change from Bear Lake](#)

[USGS studies bear lake](#)

[Age Model for a Continuous, ca 250-km-long Record of Climate Change from Bear Lake](#)

[Unusual Holocene and Late Pleistocene Climate Change in Bear Lake](#)

WHY IS BEAR LAKE SO BLUE?

and other commonly asked questions

by Jim Davis and Mark Milligan



Water Quality Committee

The functions of the Water Quality Committee would be: 1) to coordinate priorities, activities, funding and standards; 2) to provide water quality input to the Commission; 3) to provide a forum for local water quality groups to interact with the Commission through the committee as an easy place to come and talk to all three states in one spot; and 4) to support coordinated local watershed management planning. The membership of the committee would include the three state DEQ leads. The committee would liberally invite other interested groups to participate on a routine basis with the committee. The Bear River Water Quality Task Force and other local watershed management groups are examples of groups to be invited on a routine basis. The chairmanship for the committee would be rotated. The committee would meet at least twice a year in conjunction with the Commission meetings but would meet at other times as necessary. Chair Wheeler asked who would be paying for the expenses of the committee. Ostler indicated that the committee would like a member of the Commission staff to attend the Water Quality Committee meetings and help with agendas and summaries of the meetings. Other expenses would be covered by the three individual states. Larry Anderson expressed the appreciation of the Commission for the willingness of the three state DEQ leads to serve on this committee.

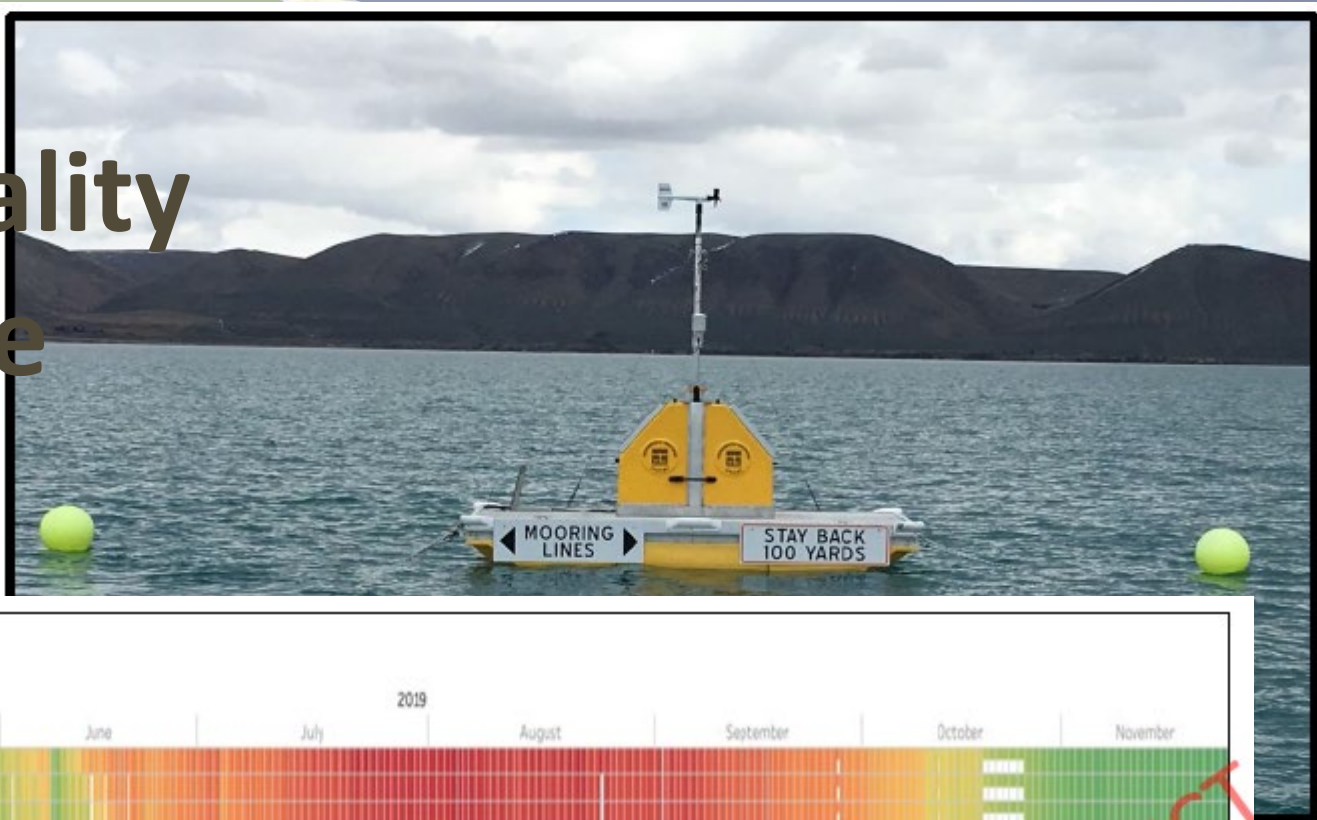


**BEAR RIVER
COMMISSION**
COMMISSION

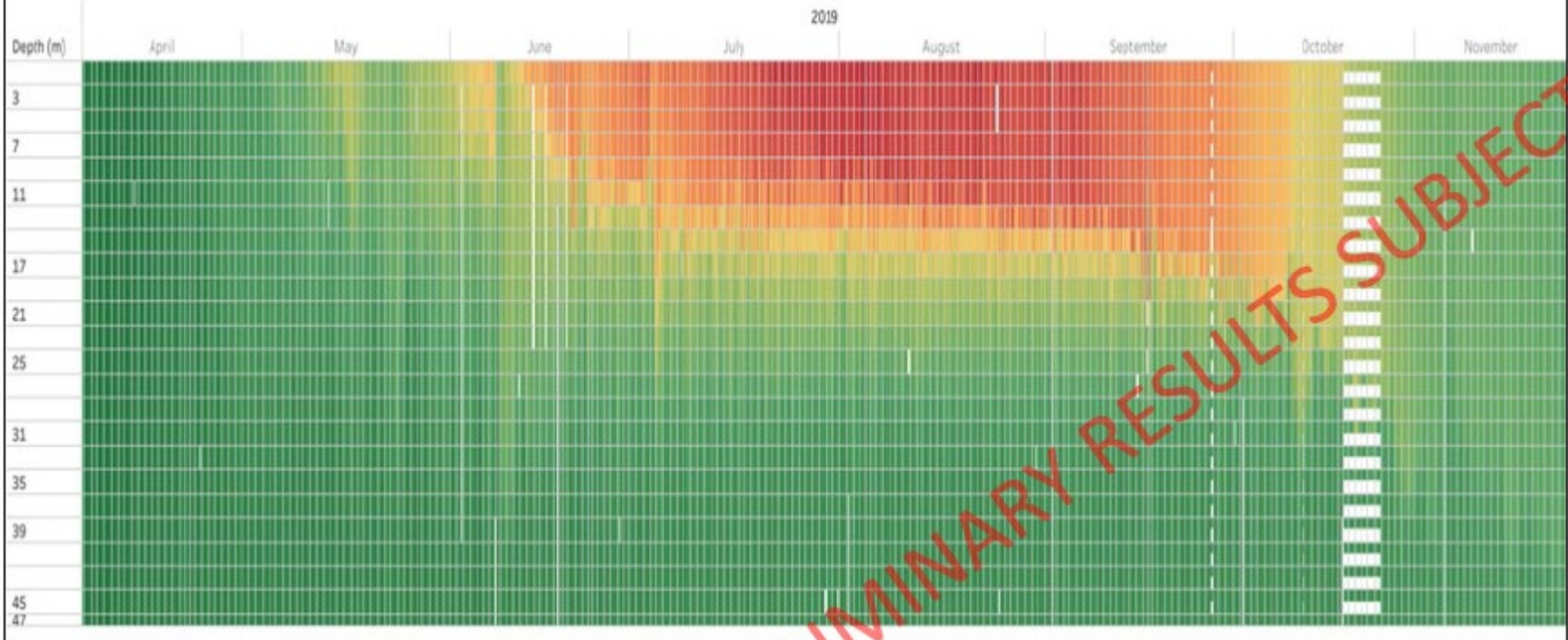
Water Quality Committee

Bear River
Watershed
Information System

Watershed Home



Temperature, water





BEAR RIVER COMMISSION

[Login](#)

Welcome

[Home](#) [Real-Time Data](#) [Documents](#) [Meeting Notices](#) [Links](#) [Contact](#) [About](#)

Welcome to the Bear River Commission's Website

The Bear River Commission was created in 1958 pursuant to the Bear River Compact (as amended PL 96-189) between the states of Idaho, Utah and Wyoming. The Commission is composed of nine gubernatorial appointed Commissioners, three from each of the signatory states, as well as a Federal Commissioner appointed by the President, who serves as Chairman without vote. The responsibility of the Commission is to carry out the provisions of the Bear River Compact. The Compact defines its purposes as follows:

“The Major purposes of this Compact are to remove the causes of present and future controversy over the distribution and use of the waters of the Bear River; to provide for efficient use of water for multiple purposes; to permit additional development of the water resources of Bear River; to promote interstate comity; and to accomplish an equitable apportionment of the waters of the Bear River among the compacting States.”

The purposes of this web page are to provide information regarding the function and activities of the Bear River Commission, to serve as a repository for key documents and to provide links to the information and data used in the equitable distribution of the waters of the Bear River.

Announcements and Items of Interest

At its April 18, 2023 Annual Meeting, the Bear River Commission adopted its [2019 Depletions Update](#) report. Pursuant to provisions of the Compact, this report provides estimates of new depletion amounts, by river section, since January 1, 1976.



BEAR RIVER
COMMISSION
COMMISSION

Bear River & Bear Lake Hydro Operations and Water Management

Connely Baldwin
Presentation to Idaho Board of Water Resources
July 25, 2024



Pacific Power
Rocky Mountain Power

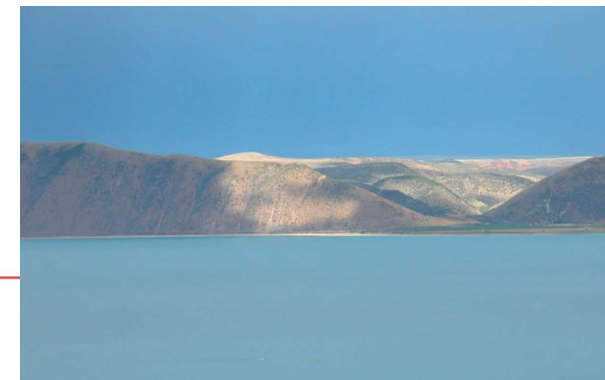
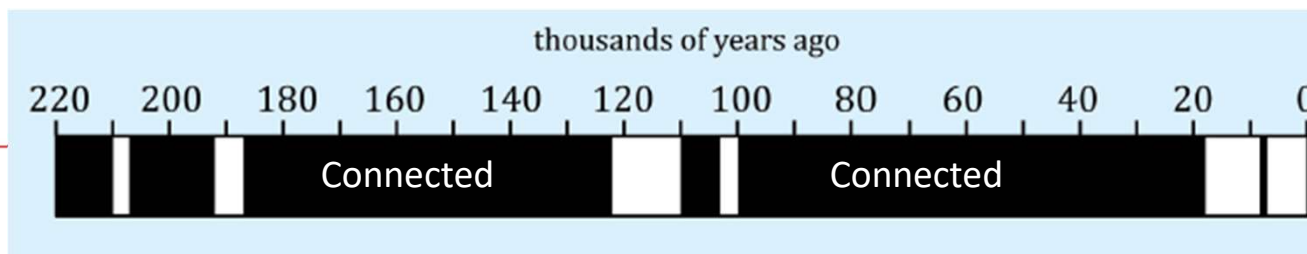
Overview

- History
- Agreements
- Water Management
- Hydro Power Operations
- Pumped Storage Potential



Bear Lake

- Natural lake, 6.5 million acre-feet
- Upper 21.65 feet (1.4 million acre-feet) used as a reservoir (PacifiCorp water rights)
- Idaho Board of Water Resources water right for aesthetics below active storage (5,902.0 feet)
- Gravity inflow, pumped outflow
- In several pre-historic periods, the Bear River flowed into Bear Lake, roughly 5/6 of the last 220,000 years
- Lake is estimated to be up to 6 million years old
- Four endemic fish
- Popular recreation area
- Water Uses:
 - Irrigation deliveries by contract
 - High runoff management
 - Incidental hydro power use of all water released



Bear River into Bear Lake Infrastructure

Stewart Dam

Low dam with 200-foot-long spillway section, 16-foot high spillgates
Diverts all water of Bear River (up to 5,500 cfs)

Rainbow Inlet Canal (brown line)

150 feet wide
6.5 miles total (4.2 mi from Stewart Dam to Mud Lake and 2.3 miles within Mud Lake)

Inlet Causeway

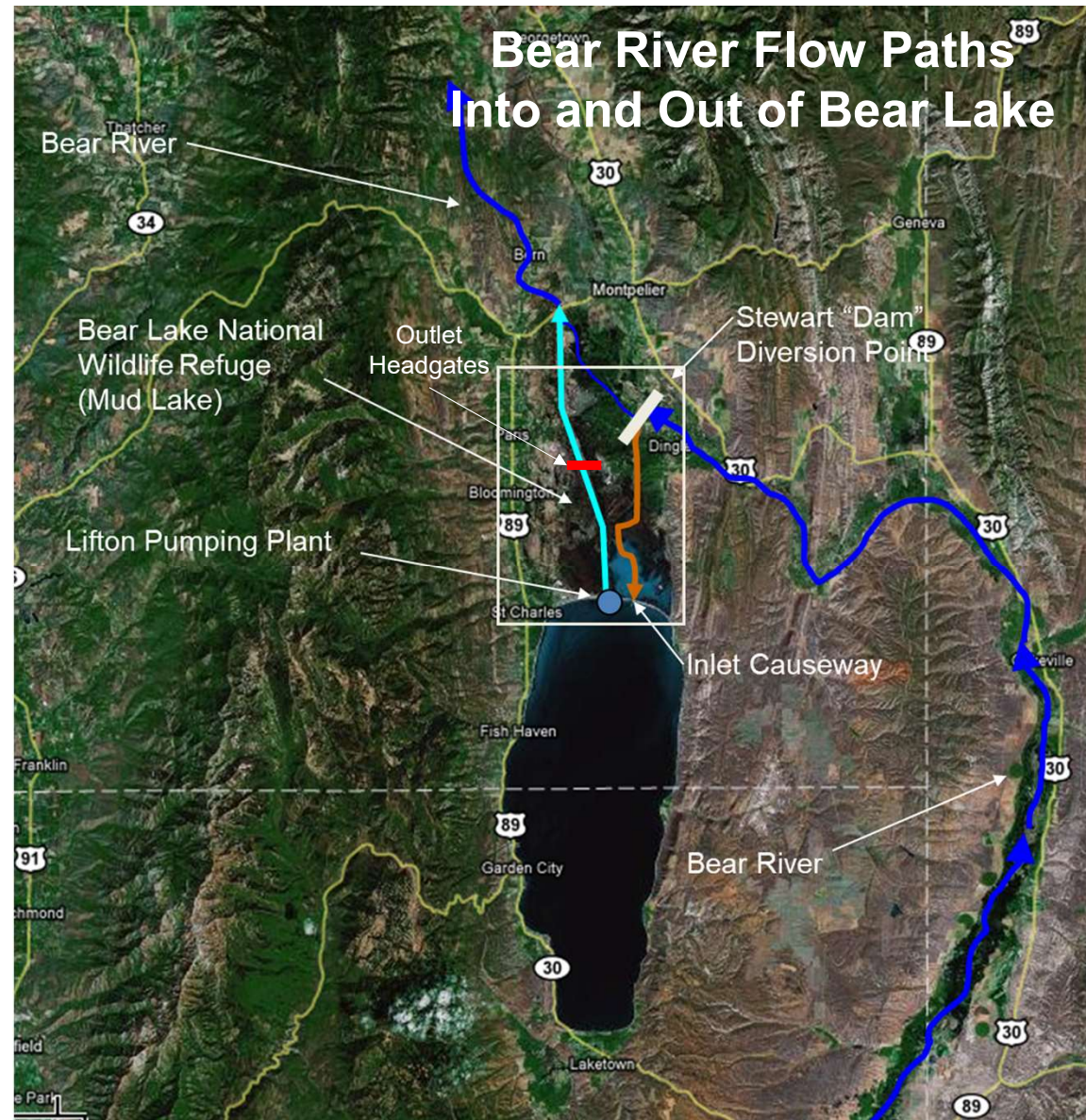
Gravity flow into Bear Lake
5 Concrete underflow headgates

Lifton Pumping Station

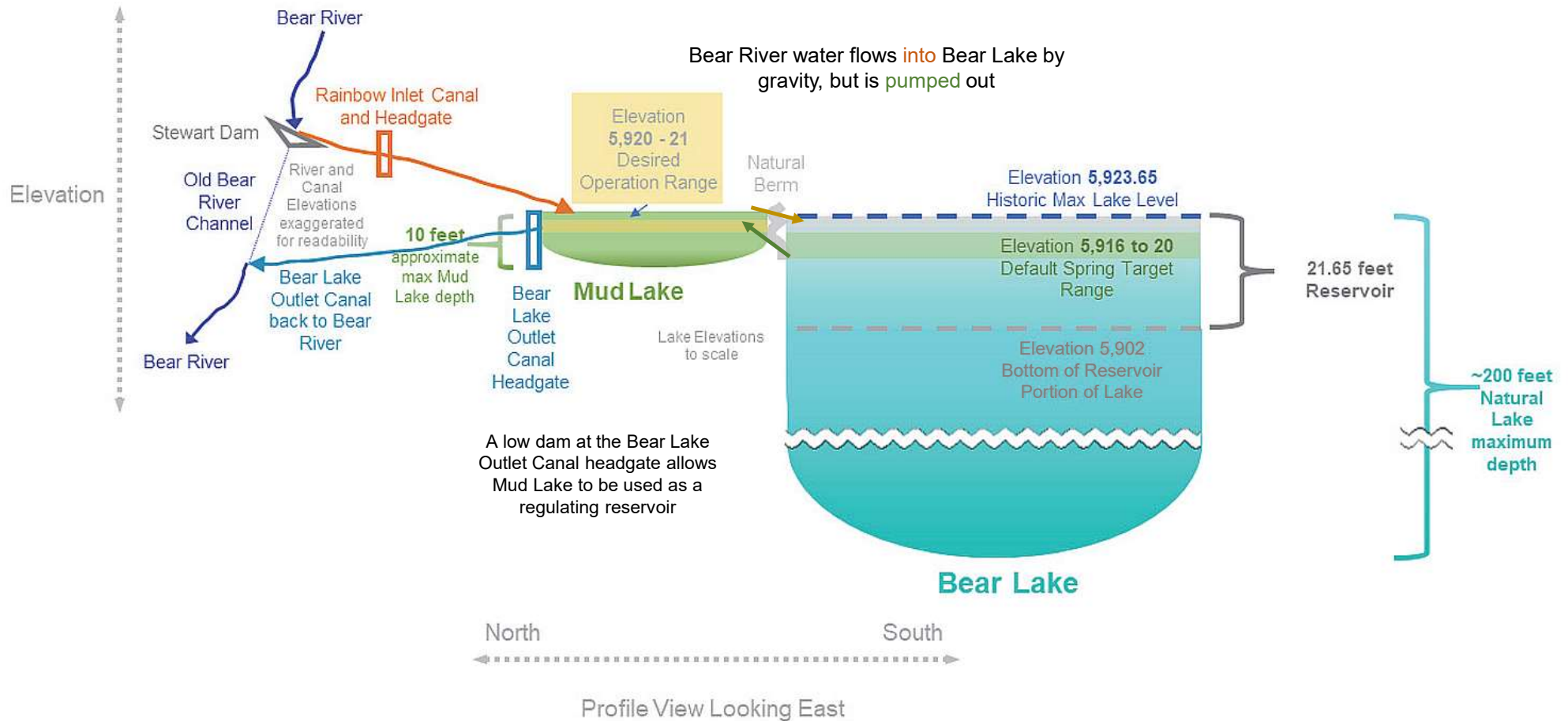
5 pumps 750 hp each, 1600 cfs capacity

Bear Lake Outlet Canal (cyan line)

150 feet wide
14 miles long (6 miles through Mud Lake; 8 miles from Outlet Headgates to Bear River)



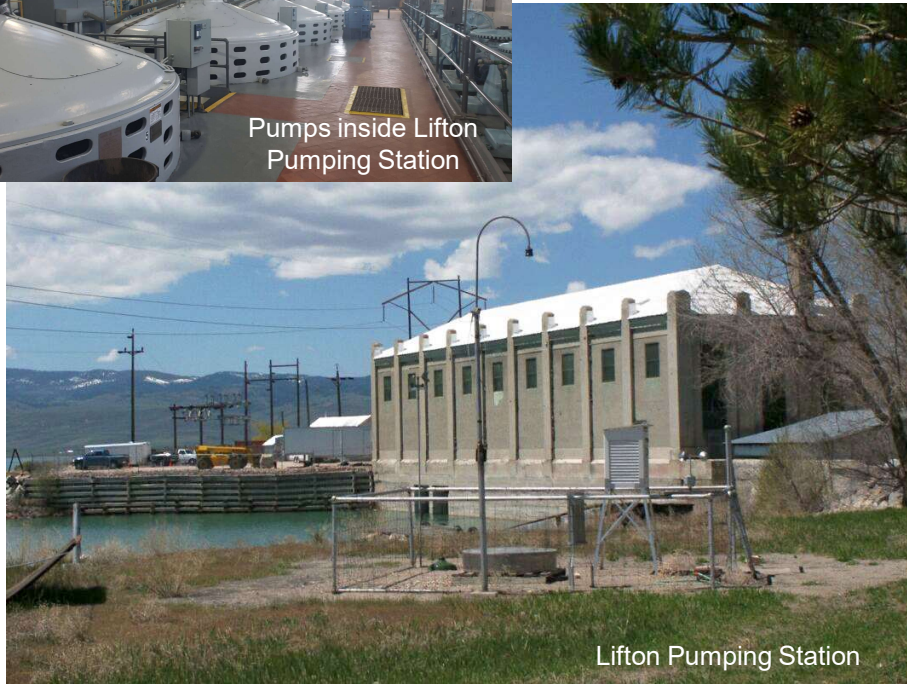
Bear River & Bear Lake Flow Paths Profile View



- Power company consolidations and load growth lead to identification of Bear River as key source of electricity for the future of Salt Lake valley and surrounding areas
- Simultaneous work at Bear Lake and Bear River
- In 1907, the first mainstem Bear River hydro plant was completed at Grace, Idaho
- Need for late summer power at Grace (and future hydro plants) prompted desire for Bear Lake storage

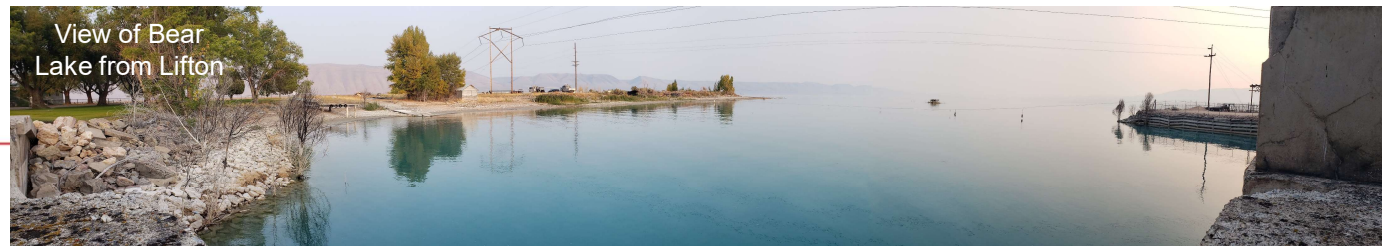
History & Agreements

- 1907 Power Company granted right to develop Bear Lake Reservoir and Inlet/Outlet Canals
- 1911 Water diversions from Bear River to Bear Lake begin
- 1912 Agreement to deliver supplemental irrigation water from Bear Lake to Bear River Canal Company, first of 6 irrigation agreements
- 1918 Lifton Pumping Plant and Canals Completed



History & Agreements

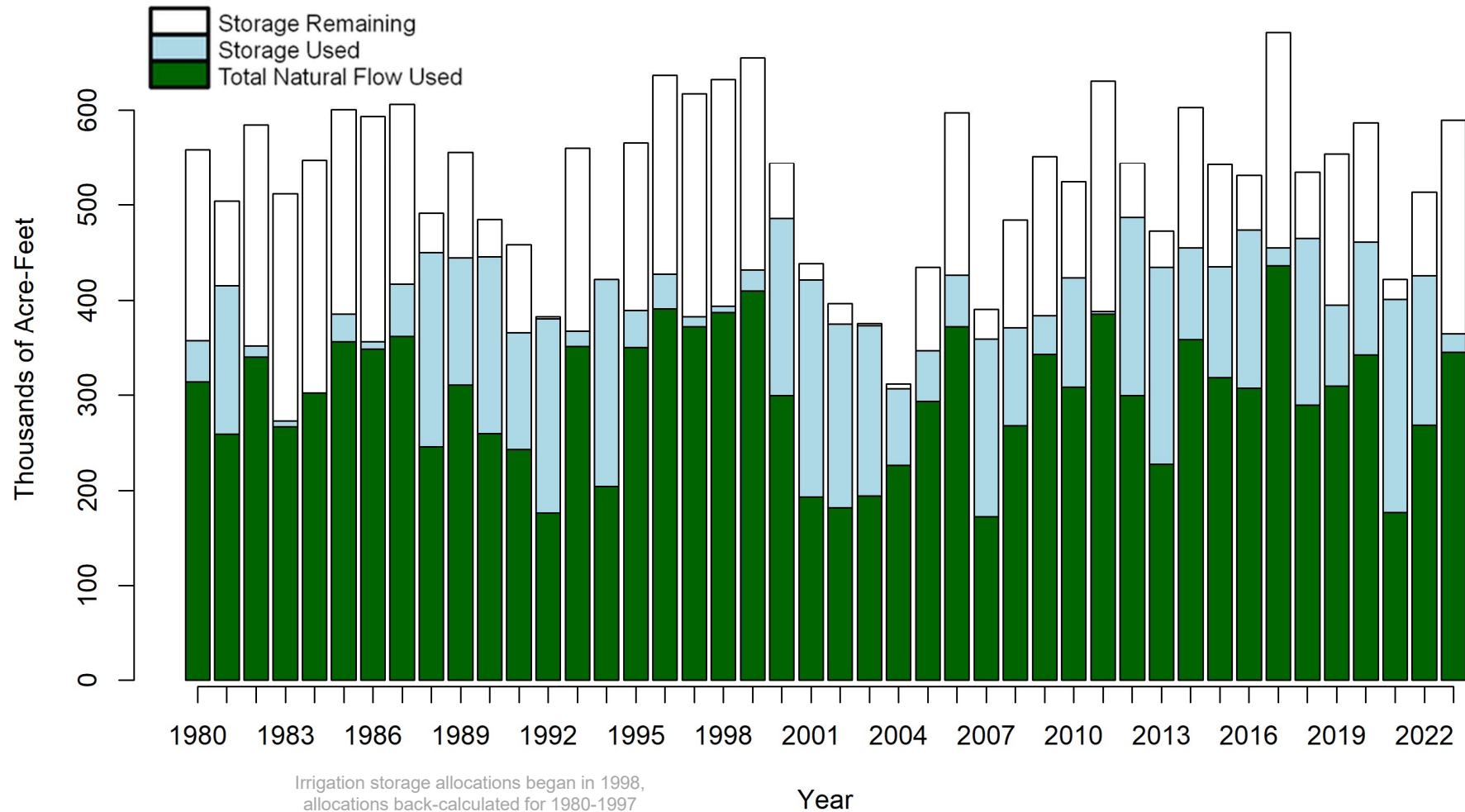
- 1936 Historic Bear Lake Low Elevation
- 1955/1980 Original/Amended Bear River Compact (irrigation reserve)
- 1995/2004 Original/Amended Bear Lake Settlement Agreement (annual irrigation storage allocation limits)
- 1999/2000 Agreements with compact states: Utah, Idaho and Wyoming to maintain historic operations of Bear Lake with hydro generation an incidental use of Bear Lake storage water



Below Bear Lake Mainstem Bear River Irrigation Storage Allocations and Usage

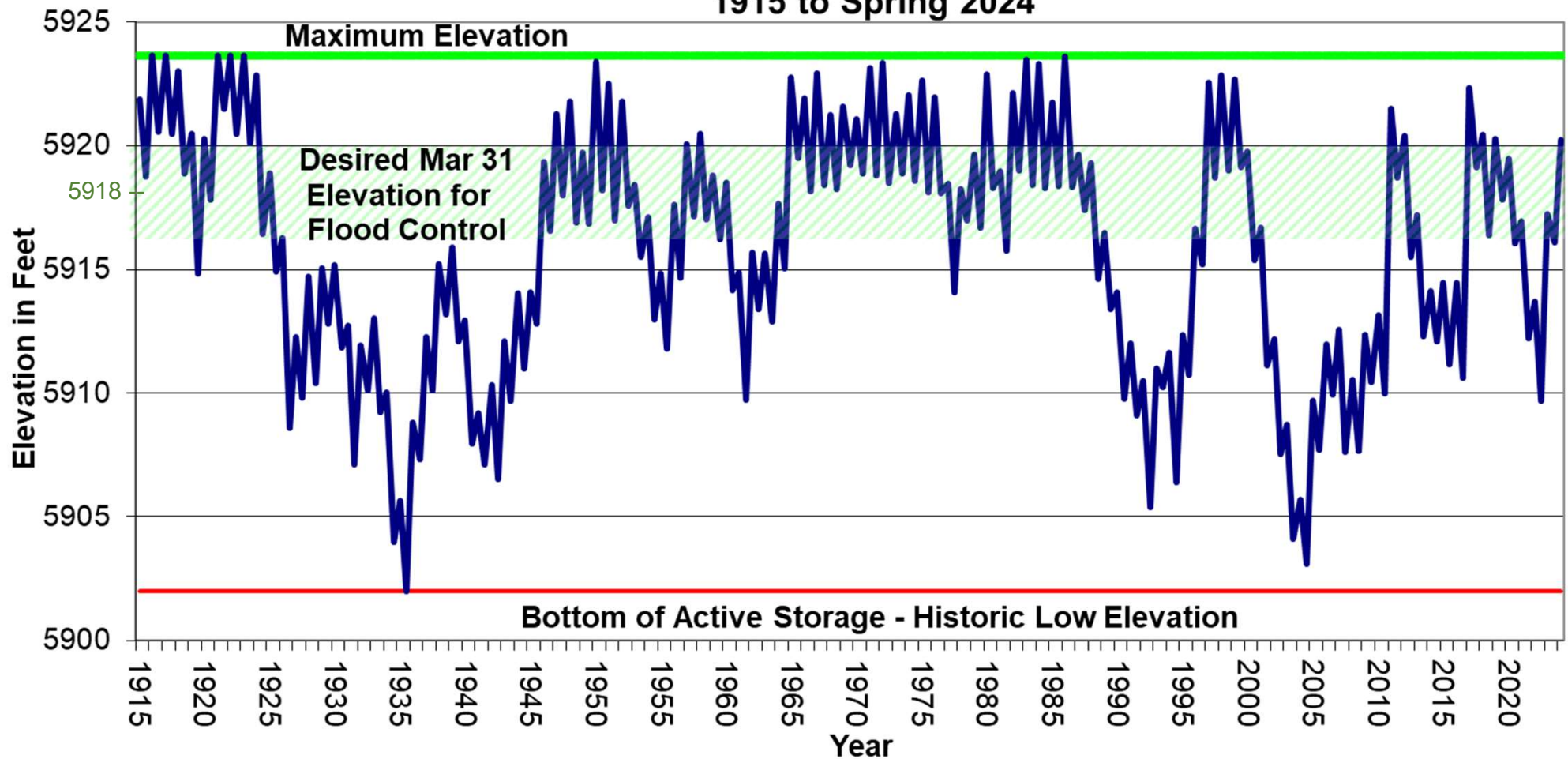
Total combined
diversion of 6
irrigation companies:

- Last Chance Canal Company
- (Idaho) Bear River Small Water Users
- West Cache Irrigation Company
- Cub River Irrigation Company (also uses natural flow from Cub River, not included, only mainstem Bear River water)
- Utah Small Water Users Association
- Bear River Canal Company



Flood Control Elevation Range with Bear Lake Annual Maximum and Minimum Elevations

1915 to Spring 2024



Bear River Hydro Power Operations and Highlights

Hydro Plants:

Soda 14 MW (1924)

Grace 33 MW (1907)

Oneida 30 MW (1915)

Cutler (Utah) 30 MW (1927)

Smaller:

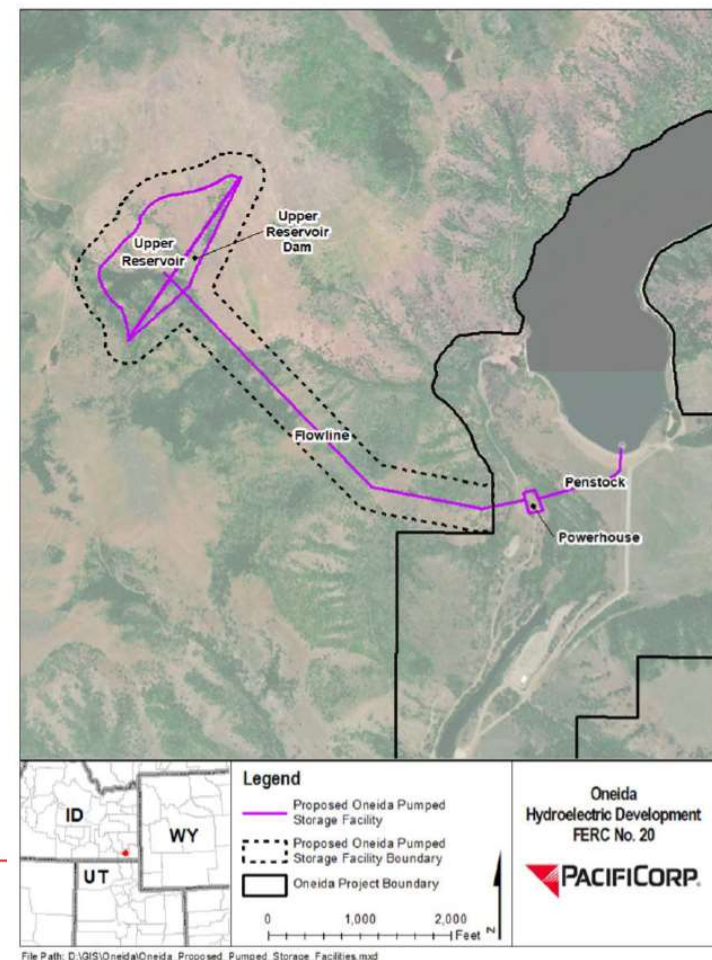
Last Chance 1.4 MW

Paris 0.7 MW (on Paris Creek, to be decommissioned soon)

- Grace is the oldest and is the most efficient plant with 425' head, but has 5-mile flowline, currently half is wood-stave.
- Grace has a rock filled timber crib dam 51' high
- Soda, Oneida and Cutler have large concrete dams, all about 100' high
- Reservoirs typically near full, but temporary drawdowns aid with high runoff management and irrigation delivery (4-day water travel time to Cutler)
- Periodic whitewater boating flow releases through Grace bypass reach (Black Canyon)
- Significant recreation use of Bear River through Oneida Canyon and Oneida Reservoir

Possible Oneida Pumped Storage Hydropower Project Details

- Currently anticipated details (subject to change):
 - Generating capacity of 200 MW (2x100 MW units)
 - New upper reservoir (23 acres, 2,127 acre-ft active capacity) and concrete dam (315 feet high)
 - Two new 11-foot diameter 5,800-foot-long steel penstocks
 - Hydraulic capacity approx. 2,030 cubic feet per second (cfs)
 - About 10 hours of continuous generation possible
 - Upper reservoir would fluctuate about 115 feet
 - Oneida Narrows reservoir could fluctuate 5 to 6 feet
 - No net increase in storage, just using exchanging available active capacity in Oneida Narrows with upper reservoir



Possible Oneida Pumped-Storage Hydropower Project Visual Simulation

- Preliminary visual simulation
- Upper reservoir not visible from Oneida Canyon or any publicly accessible locations
- Starting Federal Energy Regulatory Commission relicensing process in 2027 with other Idaho Bear River hydroelectric plants



View from Oneida Day Use Area



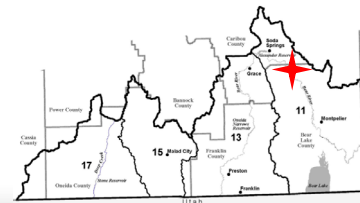
Comments or questions?

Bear River Basin Adjudication



Field irrigated by the Bear River near Georgetown, ID in IDWR's administrative Basin 11.

Idaho Water Resource Board Meeting
Soda Springs, ID
July 25th and 26th, 2024



Meeting Topics

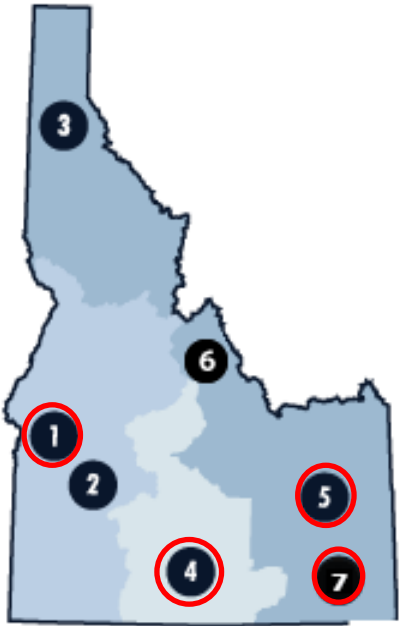


Diversion system near the headwaters of Paris Creek near Paris, ID in IDWR's administrative Basin 11.

- Adjudication Purpose
- Background
- Updates
- Resources
- Questions



Adjudication Staff



IDWR Staff

- **Christopher Holmes**, Water Resources Supervisor – Preston
- **Craig Saxton**, Adjudication Section Manager – Boise
- **James Cefalo**, Eastern Regional Manager – Idaho Falls
- **Angela Hansen**, Water Allocation Bureau Chief – Boise

Attorney General's Office

- **Lacey Rammell-O'Brien**, Deputy Attorney General – Boise

Idaho Water Adjudications Court

- **Paul Harrington**, Staff Attorney – Twin Falls

Why Adjudicate Water Rights?

- Obtain a complete and accurate record of all existing water rights
- Record and confirm beneficial use rights
- Only way to confirm Statutory Claims
- Record changes and make corrections to water rights
- Protection against competition for finite resources
 - During times of scarcity Idaho relies on priority administration

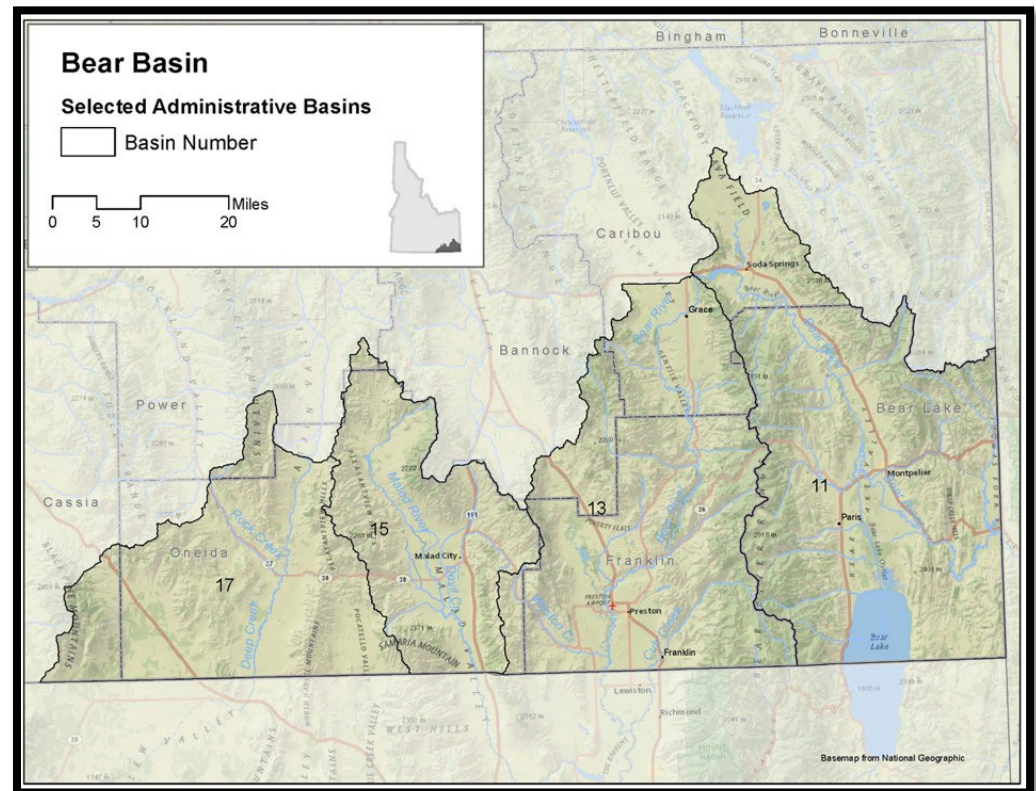


Last Chance Canal flume over the Bear River near Grace, ID in IDWR's administrative Basin 13.



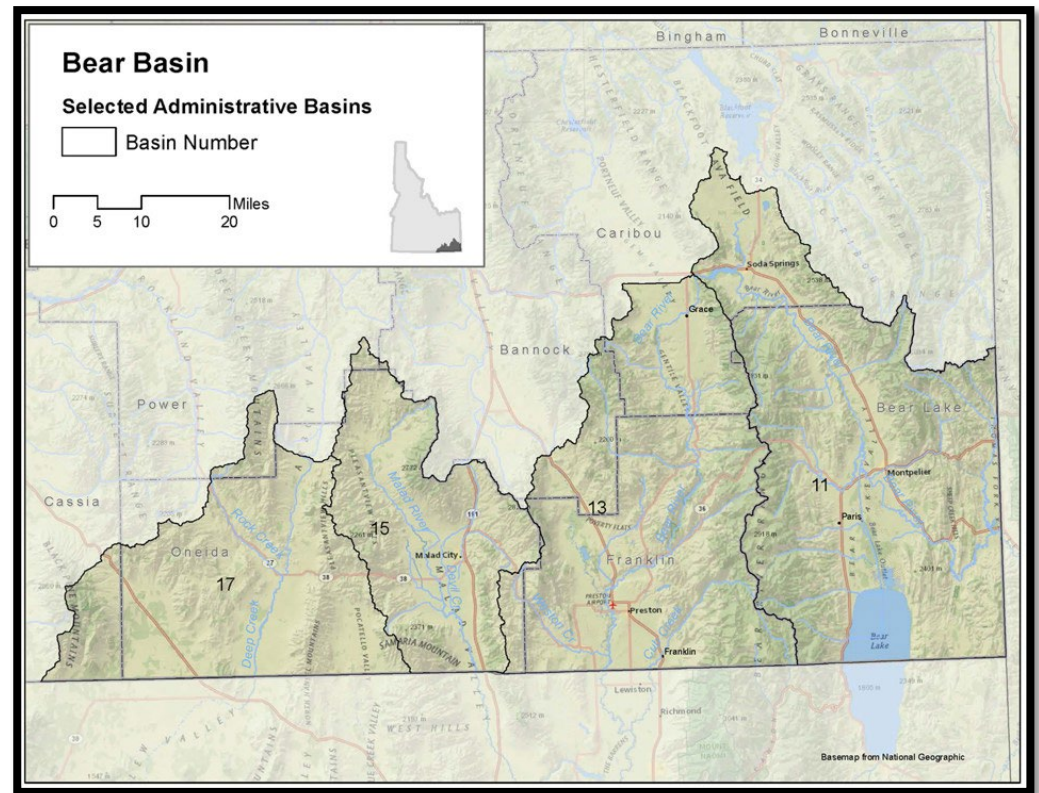
Purpose of the Bear River Basin Water Rights Adjudications

42-1406C: “Effective management of the waters of the Bear River basin requires that a comprehensive determination of the nature, extent and priority of the rights of users of surface and ground water be determined.”



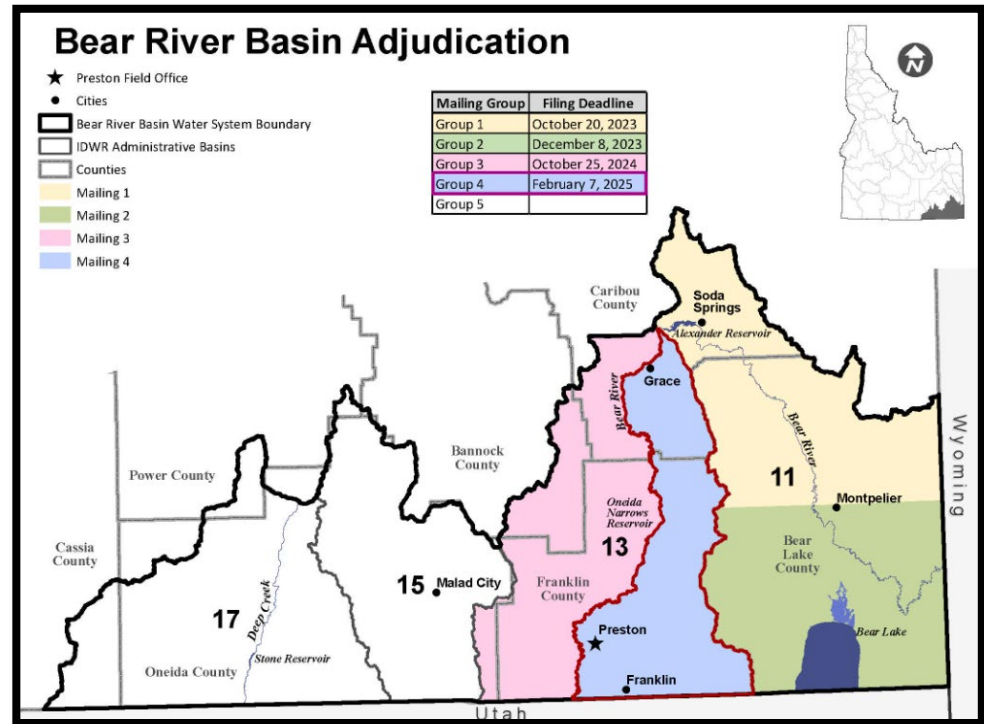
BRBA Background

- **2020** Legislative Session
42-1406C authorizes the Bear River Basin Adjudication
- **November 20, 2020** Attorney Generals office files Petition to commence the Bear River Basin Adjudication
- **June 15, 2021** Commencement order is issued by Judge Wildman
- **June 2022** Preston Field Office established
 - Water Resource Supervisor,
4 Water Resource Agents,
1 Technical Record Specialist I

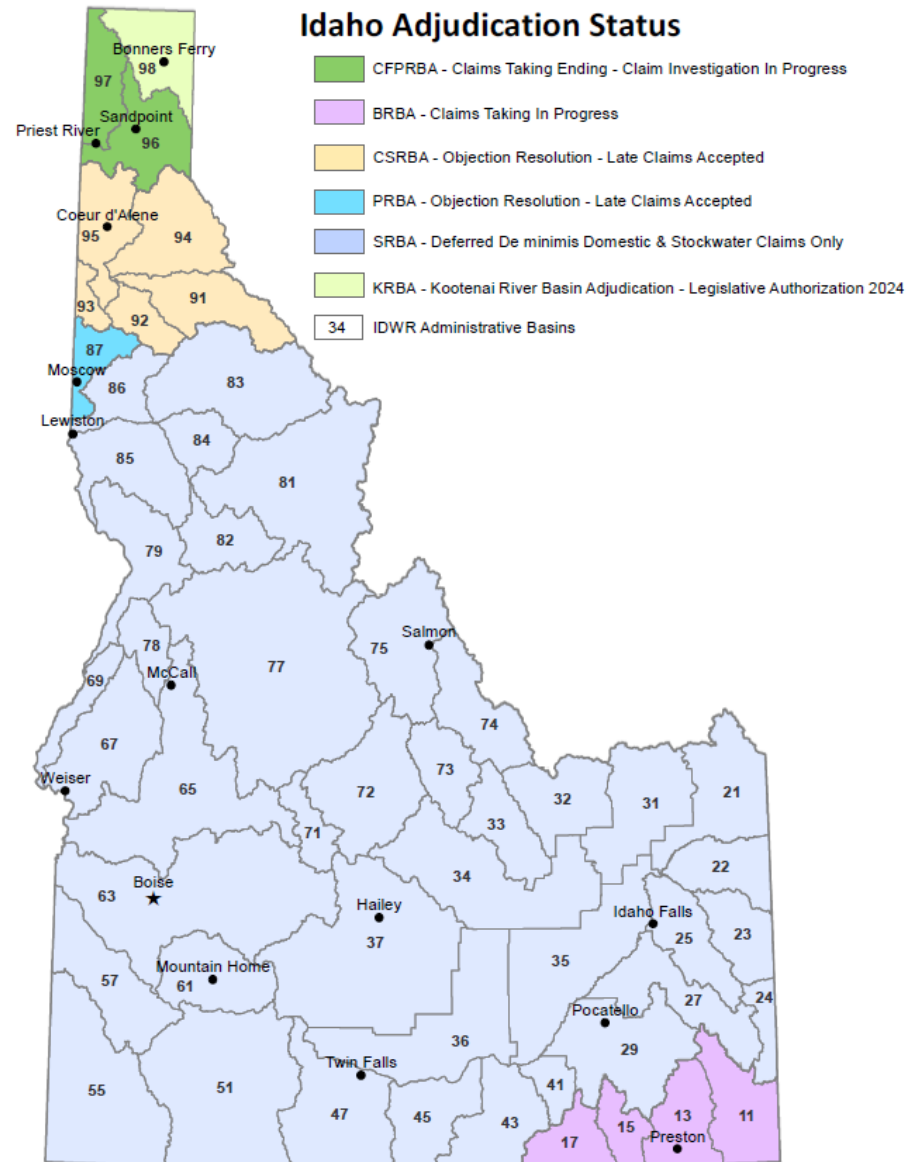


BRBA Background continued

- **January 30 and April 10, 2023**
Basin 11 Commencement
Notices mailed
- **October 20 and December 8, 2023**
Basin 11 filing deadlines
- **March 27, 2024** Basin 13 Part I
Commencement Notice mailed
- **October 25, 2024** Basin 13 Part
I filing deadline
- **June 18, 2024** Basin 13 Part II
anticipated Commencement
Notice mailing
- **February 7, 2024** Basin 13 Part
II filing deadline



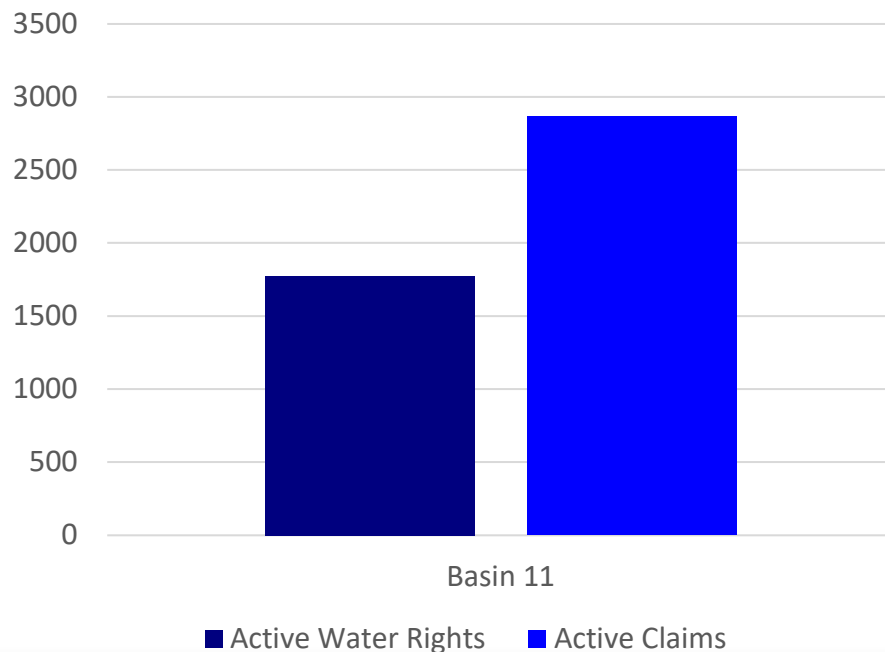
Adjudications in Idaho



The BRBA Currently

Basin 11

- 1745 active state-based water rights, 31 permits
- 2867 active state-based claims



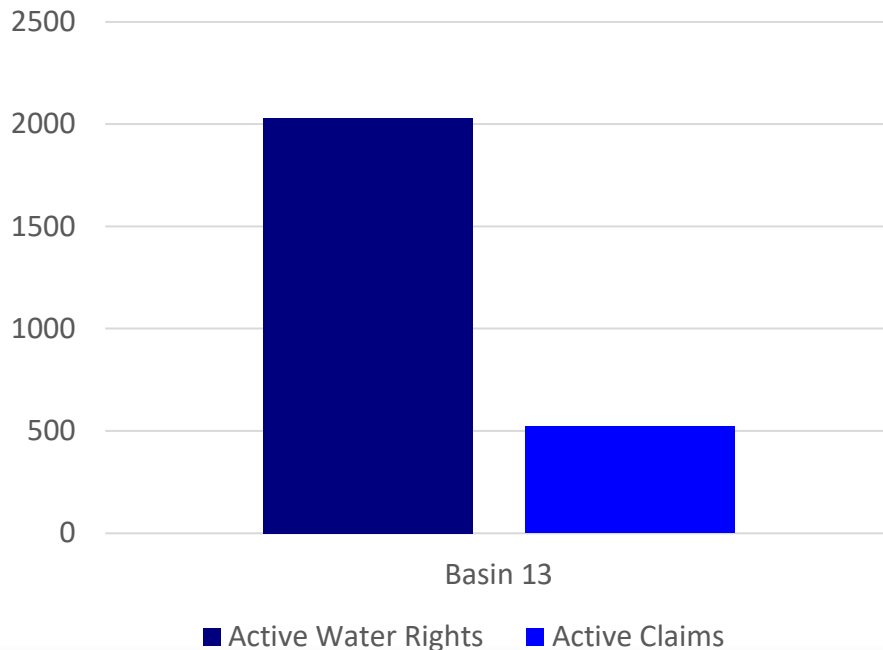
Franklin County Fairgrounds in Preston, ID in IDWR's administrative Basin 13.



The BRBA Currently

Basin 13

- 1998 active state-based water rights, 31 permits
- 522 active state-based claims



Delmore Canal flow measurement by IDWR staff near Holbrook, ID in IDWR's administrative Basin 17.

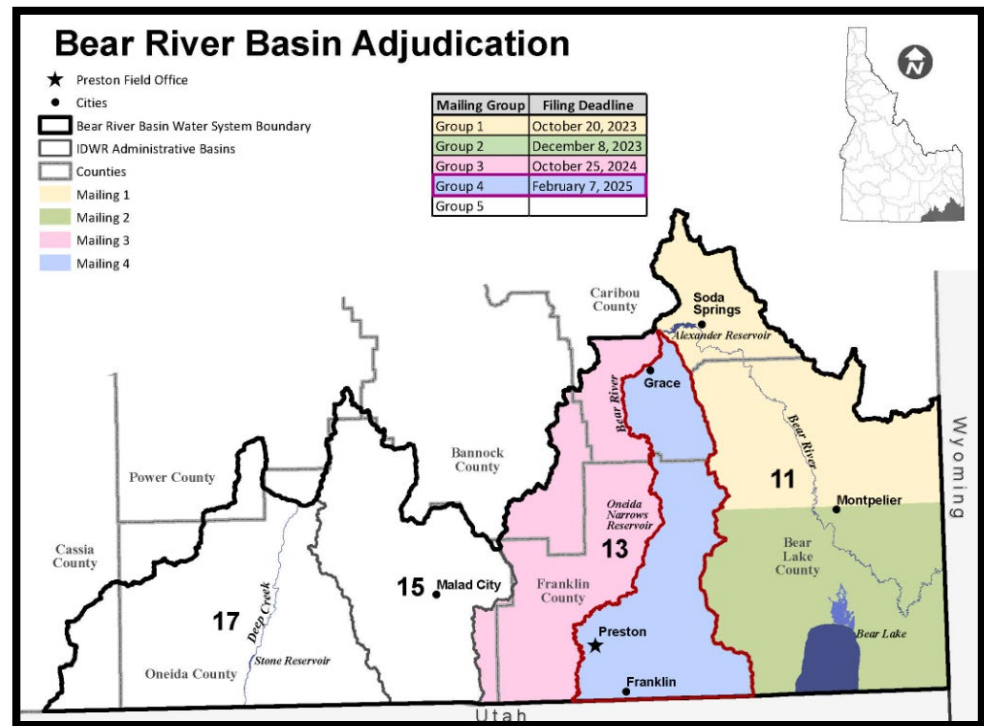
Note: Basin 13 filing deadlines have not passed

- Part I: October 25, 2024
- Part II: February 7, 2025



BRBA Moving Forward


- **2024 – 2031** Basin 11 and Basin 13 claims evaluation timeframe
 - Includes assisting water users in filing late claims, recommending claims, and completing field examinations
 - Culminates in Director's Reports submitted to the Court
 - Goal is a Director's Report for every mailing group
- **2031** Approximate timeframe to begin sending Basin 15 and 17 Commencement Notices
- **2031 – 2034** Basin 15 and Basin 17 claims evaluation timeframe
 - Same steps as Basin 11 & 13



How can the public file a claim?

- Print a paper claim at:
<https://idwr.idaho.gov/form/adjudication/>
- File online at:
<https://research.idwr.idaho.gov/apps/Adjudication/OcLogin>
- Meet with IDWR staff in the Preston Office
Call: (208) 701-7200 for an appointment
Email: prestoninfo@idwr.idaho.gov
- Contact Adjudication Staff at the State Office of IDWR in Boise
Call: (800) 451-4129
E-mail: NIAHelp@idwr.idaho.gov

BRBA Website



IDAHO DEPARTMENT OF WATER RESOURCES

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 [Wells](#) ▾
 [Streams/Dams/Floods](#) ▾
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[Home](#) / [Water Rights Overview](#) / [Adjudication](#) / [Bear River Basin Adjudication \(BRBA\)](#)

Adjudication Overview

Palouse River Basin Adjudication (PRBA)

Clark Fork-Pend Oreille River Basin Adjudication (CFPRBA)

Bear River Basin Adjudication (BRBA)

Northern Idaho Adjudication (NIA) ▾

Snake River Basin Adjudication (SRBA) ▾

Research and Maps

Adjudication Forms

Contacts

Adjudication Court

Bear River Basin Adjudication (BRBA)

Active Adjudication

[+ BRBA Background](#)

[File Online Claim](#)

[File Paper Claim](#)

[What to file Flowchart: Adjudication Claim – or – Application for Permit](#)
[Filing Assistance Insert](#)

Upcoming Meetings & Events

There are no upcoming meetings or events scheduled at this time.

Recent Activity


Commencement Notice Mailing

March 27, 2024: IDWR mailed the 3rd round of Notice to File claims in the BRBA ([Commencement Notice](#)) to property owners within IDWR's Administrative Basin 13. Notices were mailed to property owners lying North and West of the Bear River in IDWR's administrative Basin 13.

Public Information Meeting


January 23 & 24, 2024: IDWR held public information meetings discussing the Bear River Basin Adjudication and upcoming mailing of commencement notices in Basin 13. If you weren't able to attend, you can

Bear River Basin Water System



[Click to Enlarge Image](#)

Commencement Notice Mailing Groups & Filing Deadlines



[Click to Enlarge Image](#)

"Adjudication serves a noble purpose. It lets people of Idaho know just what they own. Everything from farming to fishing to mining and manufacturing requires water. Each of these will go smoothly now that they know what they own."

United States Supreme Court Justice Antonin Scalia, 2014



Preston Field Office staff investigating a flood irrigated field near Preston, ID in IDWR's administrative Basin 13.



Questions?



Irrigated fields, stored water overlooking Bear Lake near Bloomington, ID in IDWR's administrative Basin 11.

Preston Field Office: (208) 701-7200, prestoninfo@idwr.idaho.gov



Memorandum

To: Idaho Water Resource Board

From: Kala Golden, Cloud Seeding Program Manager

Date: July 19, 2024

Re: Cloud Seeding in the Bear River Basin



ACTION: *No action is being requested at this time*

Background

The National Center for Atmospheric Research (NCAR) was contracted by the Idaho Water Resource Board (IWRB) to conduct a feasibility study of the Bear River Basin (BRB). The study objective was to determine how a cloud seeding project in the BRB could be most effectively designed to enhance the snowpack that supports fill of Bear Lake, and tributaries within the BRB that support water supply in Idaho. The IWRB additionally contracted with NCAR to conduct a feasibility study on the potential for shared infrastructure with the existing cloud seeding project in the Upper Snake River Basin. Results of these studies were presented to the IWRB in September 2023. Staff will present their recommendation for the development of a cloud seeding project in the BRB at the IWRB's July 2024 meeting. The State of Utah will additionally provide an update on the Great Salt Lake Basin plan, and a summary of their cloud seeding efforts in the BRB at the IWRB's July 2024 meeting.

Feasibility and Design

Based on historical weather data for the basin, NCAR found that opportunities exist in the BRB for both ground and aircraft cloud seeding. To target snowpack enhancement most efficiently within the basin, NCAR recommends considering the development of both ground and aircraft operations, with aircraft being priority, as ground based equipment may have limitations at times due to mountain flow blocking conditions within the basin. Aircraft opportunities are more abundant within the basin and require less support for development. NCAR also found that opportunities exist to share both ground and aircraft infrastructure with the Upper Snake River Basin (USRB) cloud seeding project. NCAR's general project design and recommendations do not include considerations for relevant weather instrumentation to support operations; though statewide needs for weather instrumentation to support cloud seeding in Idaho are being considered under another project.

Aircraft –

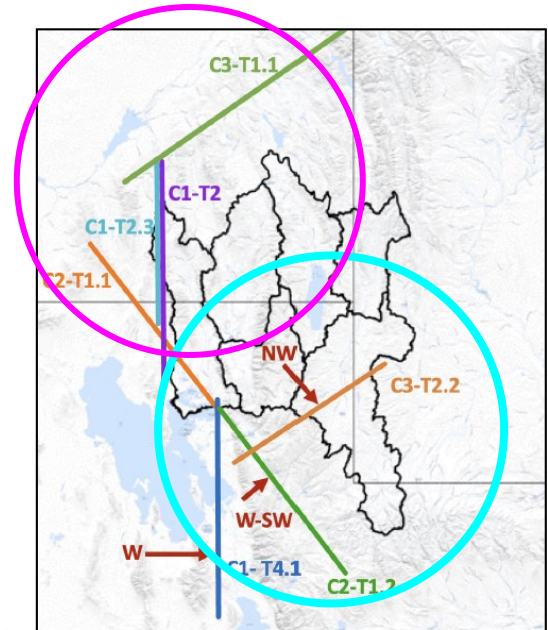
- The Bear River Basin covers a large geographic area, with headwaters in the Uintas Mountain Range of Utah, and tributaries that exist within Idaho, Utah, and Wyoming.
- This study showed that 50% or more of the airborne seedable opportunities in this basin last for 6 hours or longer. Depending on the aircraft used to target this region, the aircraft on station time may not allow for seeding the entire periods of opportunity. Therefore, a second aircraft may be valuable to continue seeding in the window of opportunity.
- Use of multiple aircraft is also recommended, as there is likely to be considerable loss in operational efficiency from taxiing aircraft to and from subregions of the basin.
- The following flight track design was recommended, based on where ideal conditions for seeding tend to exist, as determined by historical weather data.

Aircraft Design–

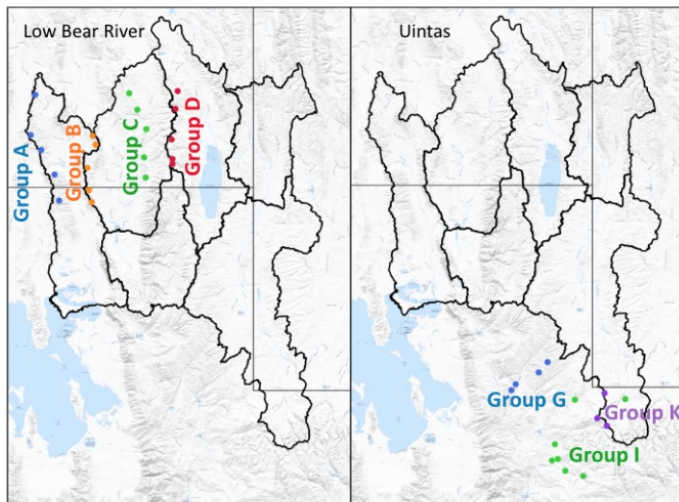
- 1 aircraft could be used to target the lower bear. This aircraft could be shared with the USRB Project.
- 1 aircraft could be used to target the Uintas region. This aircraft could be used by UT to supplement its other priority regions.

Ground Design –

- The design depicted two areas, one targeting The Lower Bear River, the other the Uinta Mts.



Flight tracks recommended for airborne seeding indicating the associated case study (C) and track number (T).



Simulated generator groups for ground seeding cases 1 to 5.

Share Infrastructure | Bear & Upper Snake River Basins

Ground –

- Evaluates potential use of Idaho Power Company (IPC) existing Upper Snake generators.

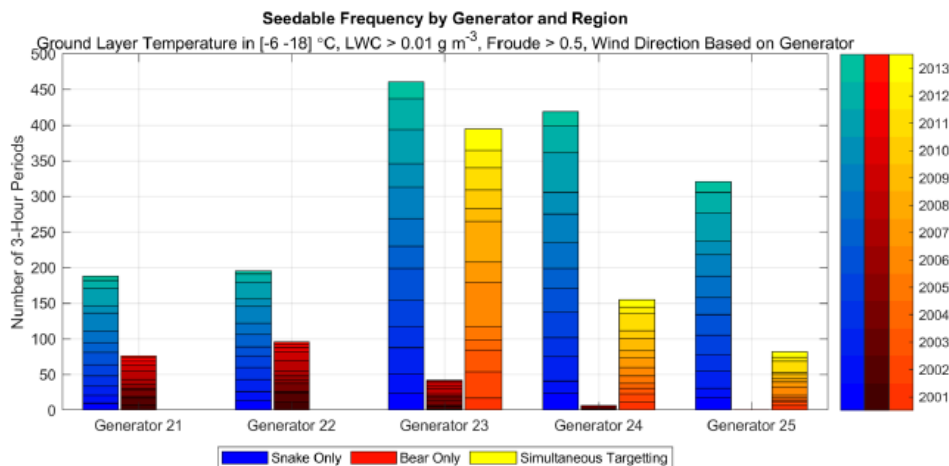


Figure 115. Total number of complete ground-based criteria seedable 3-hour periods at each generator, split by season and targeting type.

Aircraft –

- Evaluates the estimated percentage of observed seeding opportunities that could be covered by each number of aircraft. For example, one aircraft in the Upper Snake basin currently only covers an estimated 68% of observed seedable opportunities, due to the geographic size of the basin and aircraft station time. With a second aircraft dedicated to the basin, 92% of all seedable opportunities in the basin could be seeded.

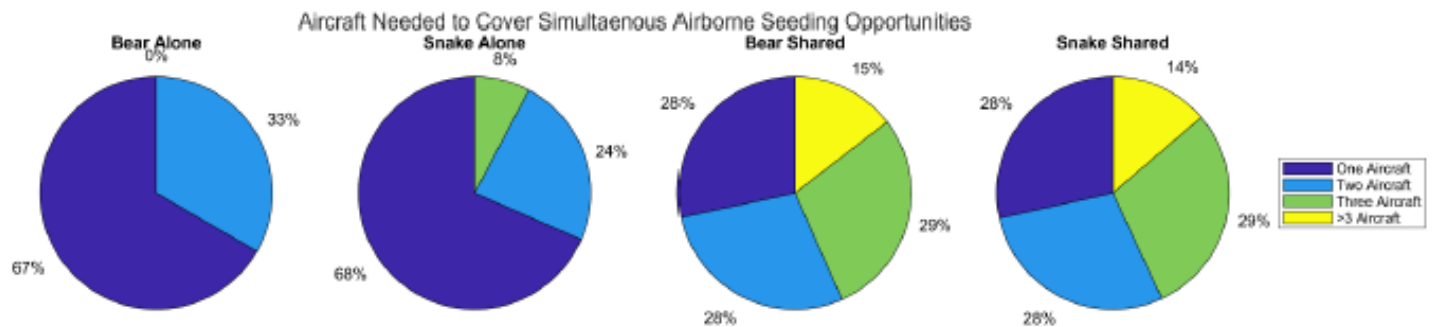


Figure 116. Breakdown of seedable opportunities by minimum number of aircraft necessary to target all regions simultaneously for the Bear operating independently, Snake operating independently, Bear using shared resources, and Snake using shared resources.

Staff Recommendation

Should the IWRB determine there to be sufficient need for the development of a cloud seeding project in the Bear River, staff recommend the IWRB consider negotiating an extension of the Collaborative Program with its program partner and current operator, IPC.

To assess whether the long term operation of a project in the BRB is cost efficient and will adequately meet the objectives of providing more water for the basin, staff recommend first conducting a 5 year pilot aircraft project within the basin. Conducting a pilot project focused on aircraft operations requires less capital investment, less resources, and significantly reduces necessary staff time to implement.

Upon conclusion of the 5 year operational period of the pilot study, a project validation assessment should then be conducted by a qualified organization to adequately evaluate the long term cost effectiveness and relative efficiency of a cloud seeding project in the basin.

YEAR 1 | Operations beginning November 2025*

- Negotiate procurement of 1 additional cloud seeding aircraft to support aircraft operations in the Lower Bear Region of the Basin. This aircraft can be used to support operations in the BRB and/or prioritized accordingly by the IWRB to support additional operations in the USRB.
 - Requires 1 contract meteorologist to support the aircraft; subcontracted through the same agreement with aircraft.
- Develop operational plan to operate existing IPC owned generators in the USRB for shared operations in the BRB, when conditions are suitable.
- Procure and deploy weather instrumentation to support operations in the BRB.

*Subject to IWRB approval and **executed** project agreements.

YEAR 2-3 | Pilot Project Operations

1. Continued operation of 1 aircraft shared between the USRB and the BRB.
2. Operation of 3 IPC owned generators shared between the USRB and the BRB.

YEAR 4-5 | Project Validation

1. Continued operations through *April 15, 2030*
2. Conclude Project Validation Assessment. *Spring 2030*
3. Determine need for long term project; execute long term agreements. *Summer 2030*

If longer term project is determined necessary:

YEAR 6 | Project Implementation

1. Consider expansion of ground infrastructure

Additional Considerations

- The State of Utah is actively working to pursue expansion of both ground and aircraft operations in the Bear River Basin. As feasibility and design studies have indicated the need for multiple aircraft to support water supply enhancement in the BRB, it may be cost effective and improve operationally efficient for both states to contract for its own shared aircraft, targeting separate regions of the basin; the IWRB targeting the lower BRB and sharing its aircraft with the USRB, and the State of UT an aircraft targeting the Uintas headwaters and sharing its aircraft with Utah's other priority regions.

Estimated Costs

Aircraft		
	Initial Year	Ongoing
Aircraft	\$ 675,000.00	\$ 675,000.00
Contract Met	\$ 120,000.00	\$ 120,000.00
IPC Contract Admin	\$ 5,000.00	\$ 5,000.00
Total for Aircraft/Met	\$ 800,000	\$ 800,000.00
5 Generators (IPC Existing)		
Ground Seeding	Initial Year	Ongoing
Total Generators	\$ 20,000.00	\$ 20,000.00
Estimated Weather Instrumentation		
Instrumentation	Initial Year	Ongoing
Total Instrumentation	\$ 250,000.00	\$ 25,000.00
Total		
	Initial Year	Ongoing
	\$ 1,070,000.00	\$ 845,000.00

Cloud Seeding Program



Idaho Water Resource Board Meeting– Work Session
Cloud Seeding in the Bear River Basin
Kala Golden, IWRB Cloud Seeding Program Manager
July 25, 2024

Photo Courtesy of Idaho Power Company



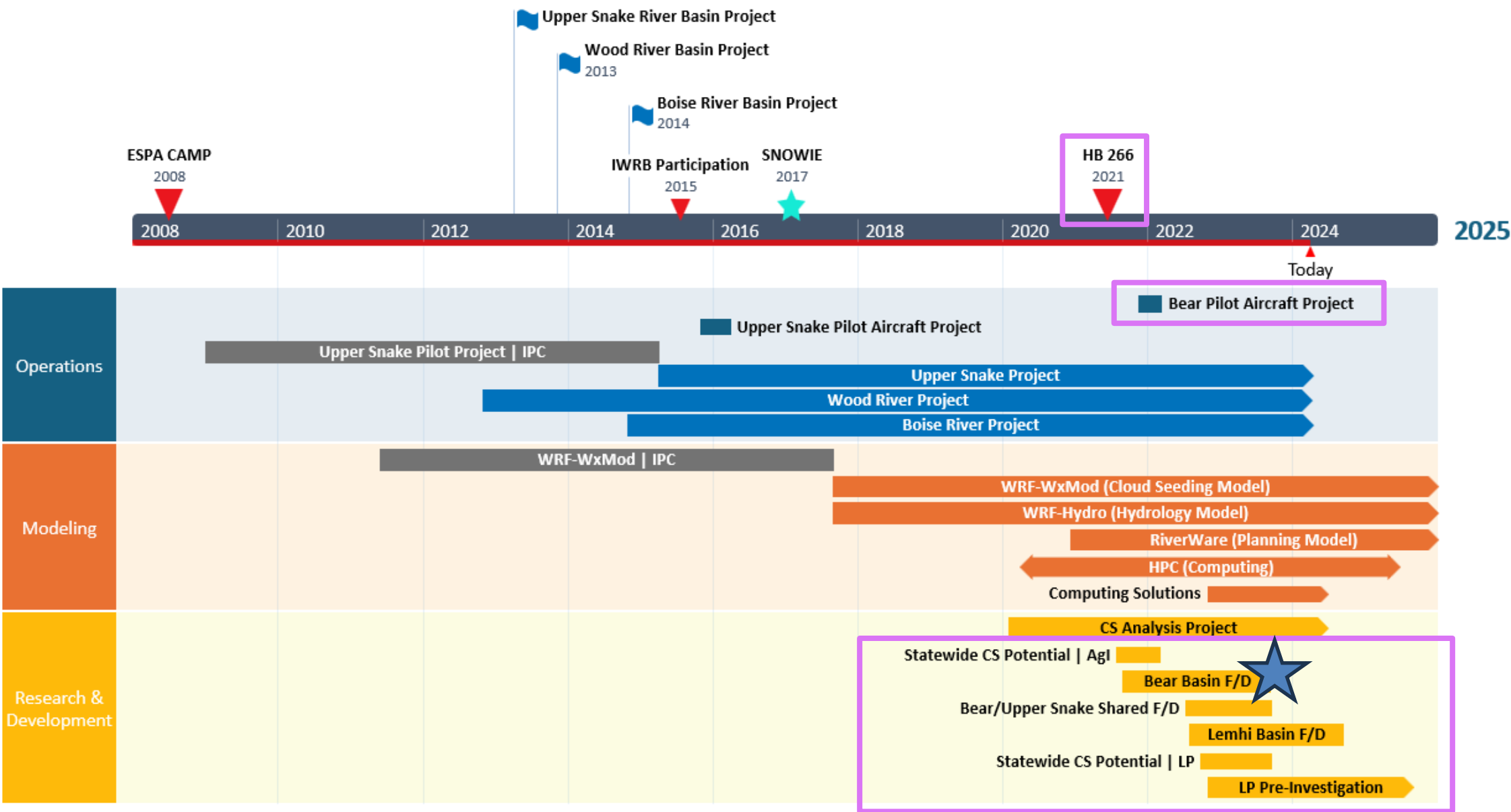
Overview

- ❑ Project Motives
- ❑ Review of Feasibility & Design Study
- ❑ Next Steps



Photo Courtesy of Joel Zimmer, WMI

Cloud Seeding Program Development



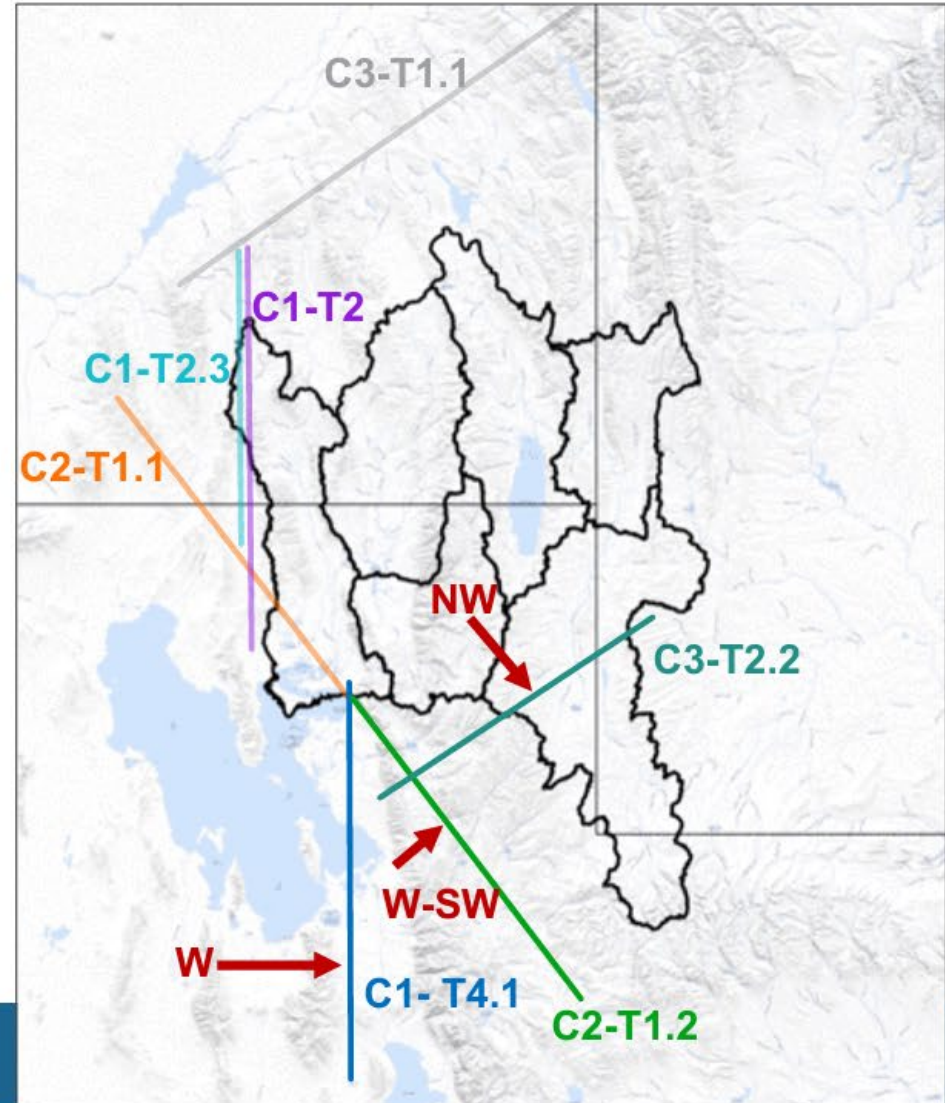
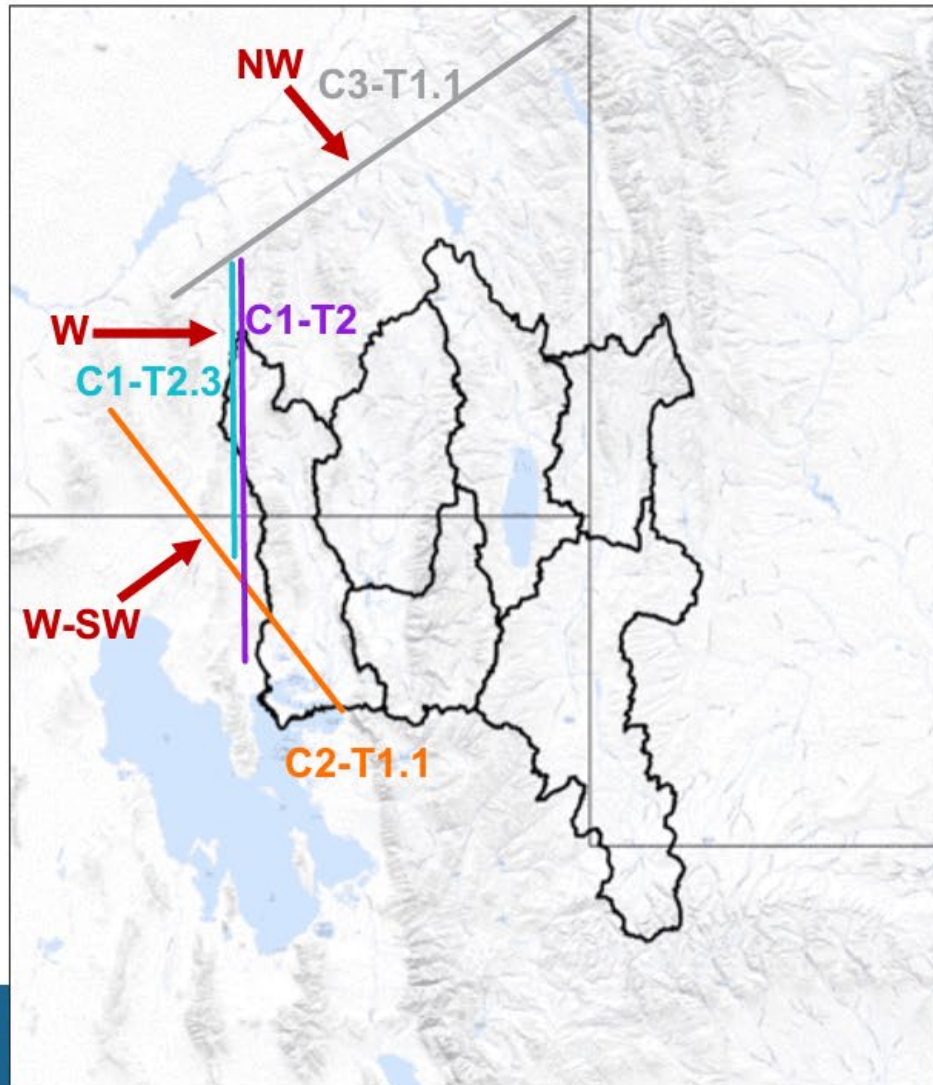
Cloud Seeding in the Bear River Basin

- **July 2021** | IWRB initiated feasibility and design (F/D) study
 - Objectives: Increase water supply in Bear Lake and regions that support supply in Idaho
 - Investigation of opportunities for both ground and aircraft
 - Assess opportunities for shared infrastructure with the Collaborative Cloud Seeding Program's Upper Snake River Basin (USRB) project
- **December 2021** | 1-Year Pilot Aircraft Project
 - Operations developed using preliminary results from aircraft portion of the F/D
 - Lessons learned:
 - Caliber of aircraft – safety, operational efficiency
 - Number of crew members – safety, efficiency, tracking, reporting
 - Number of aircraft – large basin, varying opportunities
 - Operational modeling & weather instrumentation – efficiency of operations
 - More operational data is necessary to assess long term cost effectiveness



Bear River Basin | Aircraft Seeding

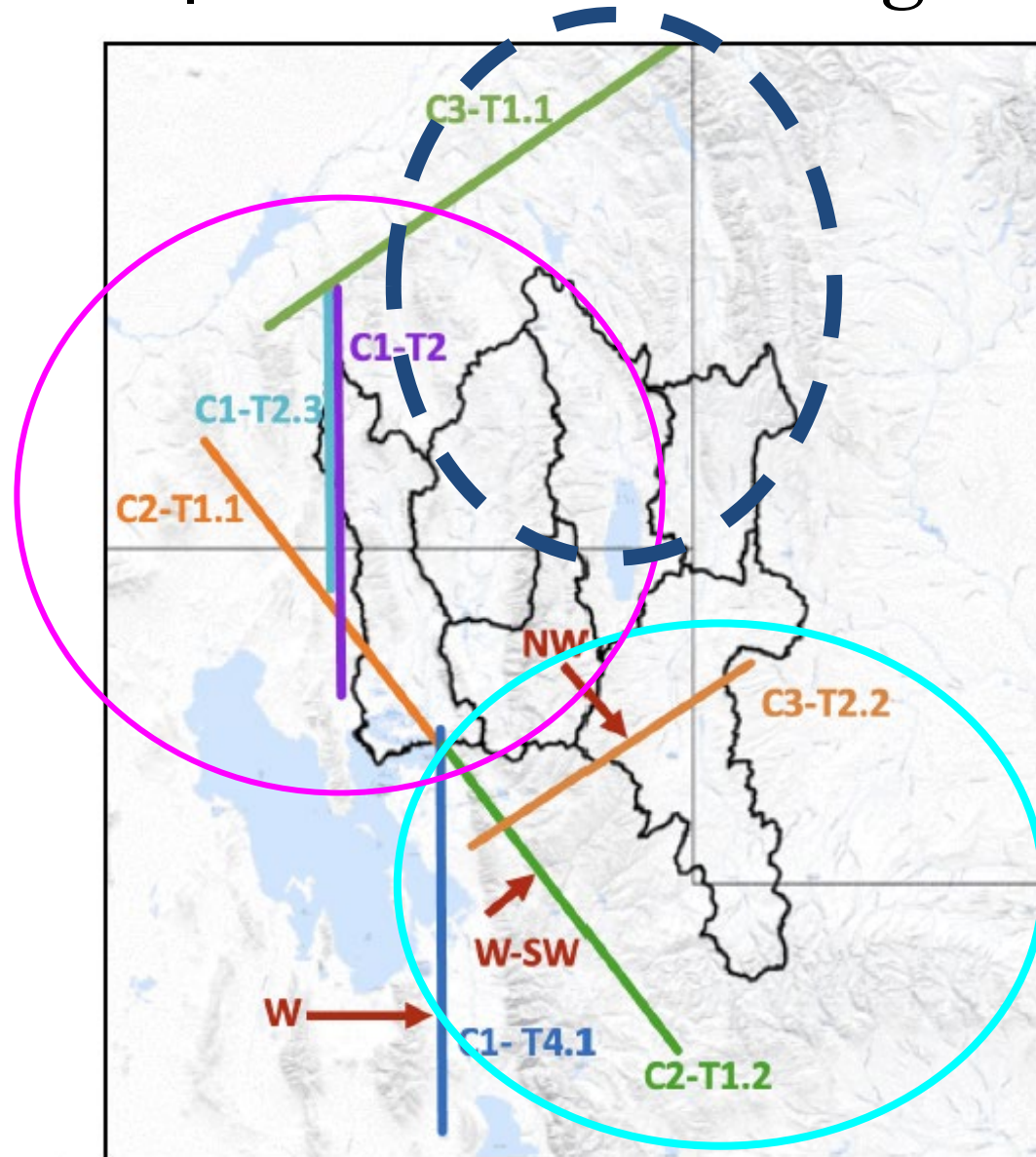
Recommended Flight Tracks



Bear River Basin | Aircraft Seeding

*ID Collaborative
CS Program |
Upper Snake
River Basin
Project*

Lower Bear
River Region



Uintas
Region

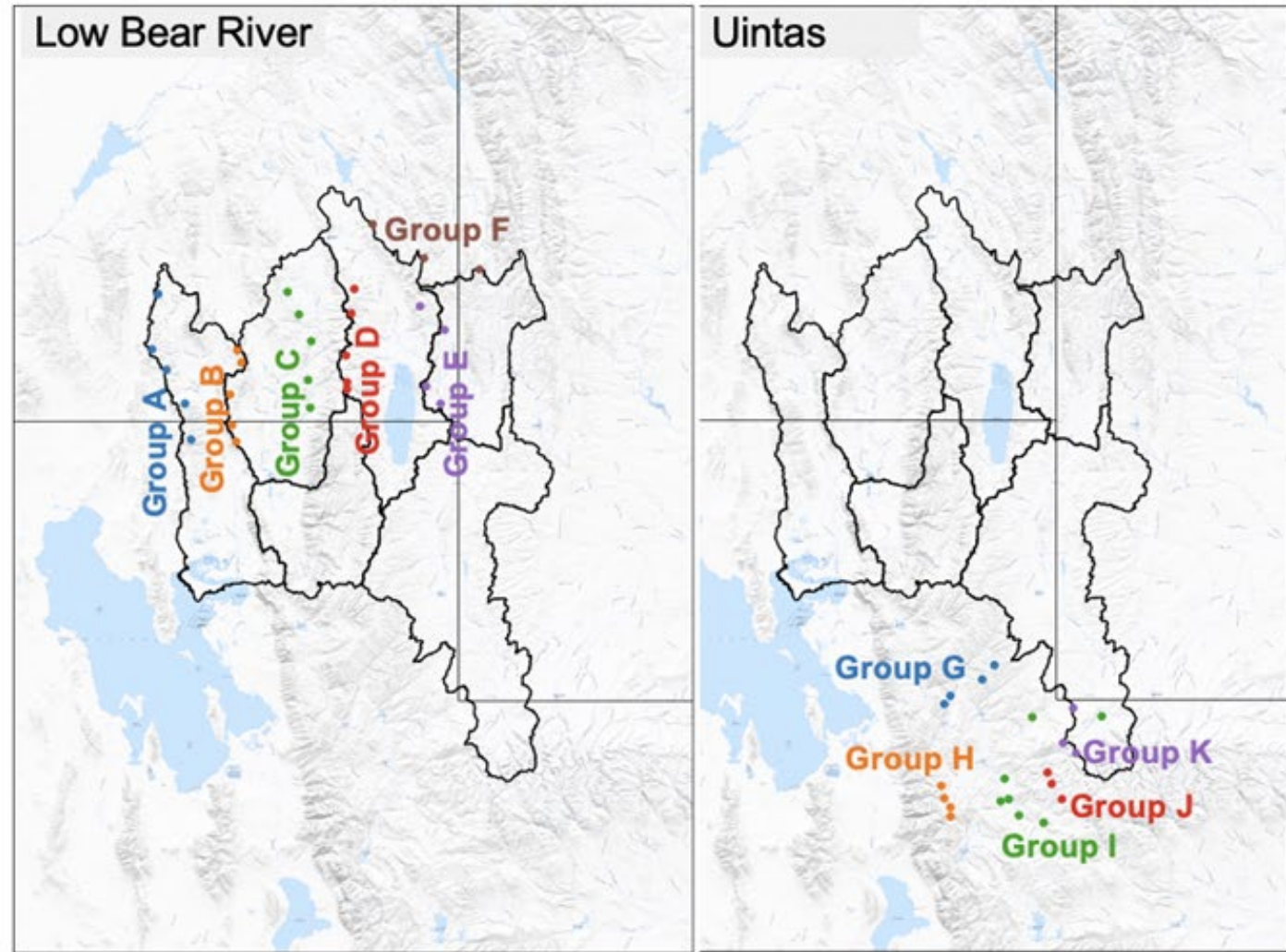
Flight tracks recommended for airborne seeding indicating the associated case study (C) and track number (T).

Bear River Basin | Ground Seeding

5 cases tested:

W, NW, and N winds

- 1 impacted Lower Bear
- 3 impacted Uintas (varying wind direction)
- 1 impact both regions





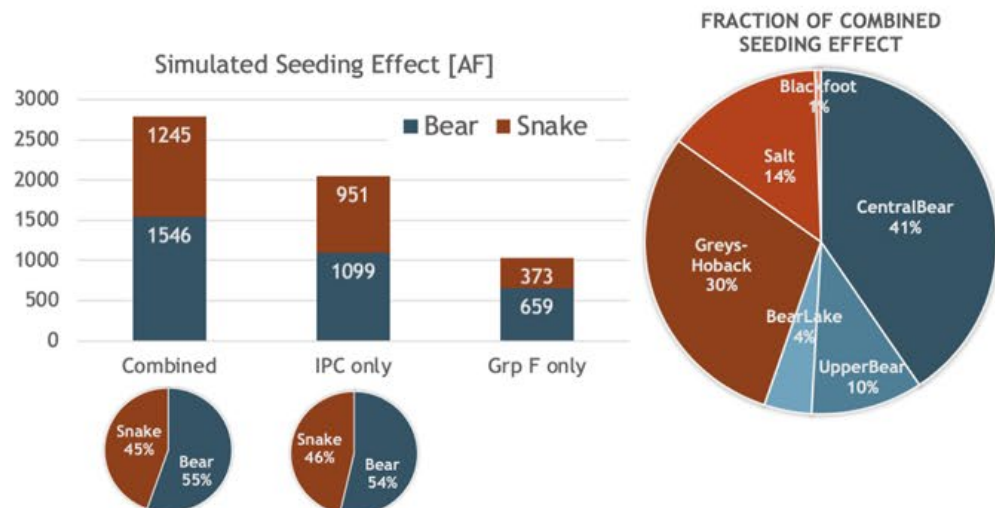
Impact from Cases Selected for Shared Infrastructure

Shared cases:

C1: 2016-01-17

C2: 2020-12-17

C3: 2021-01-17



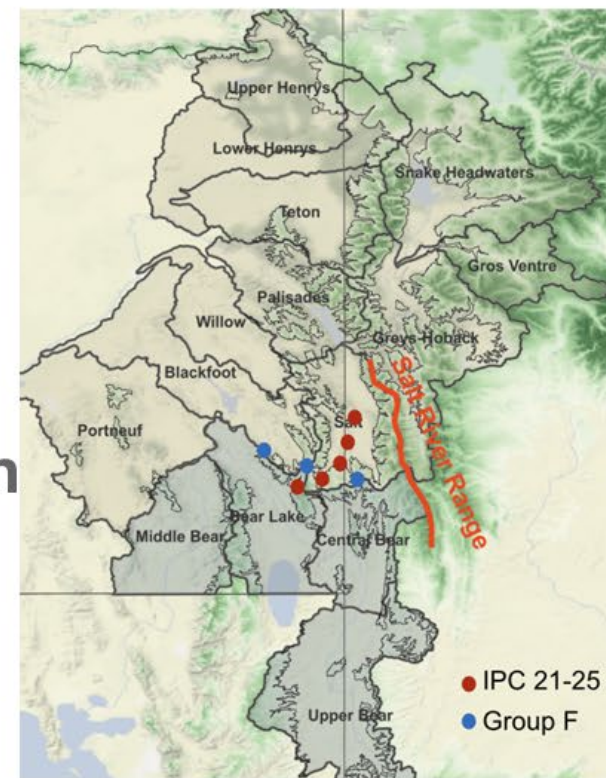
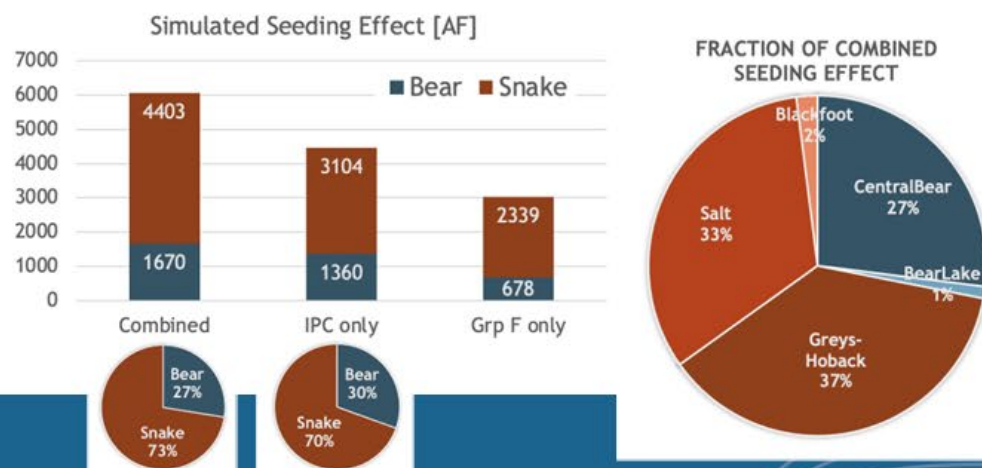
Impact from Cases Selected for Bear River Basin

Bear River cases:

C1: 2016-12-03

C2: 2017-01-20

C3: 2018-02-25



NCAR
UCAR

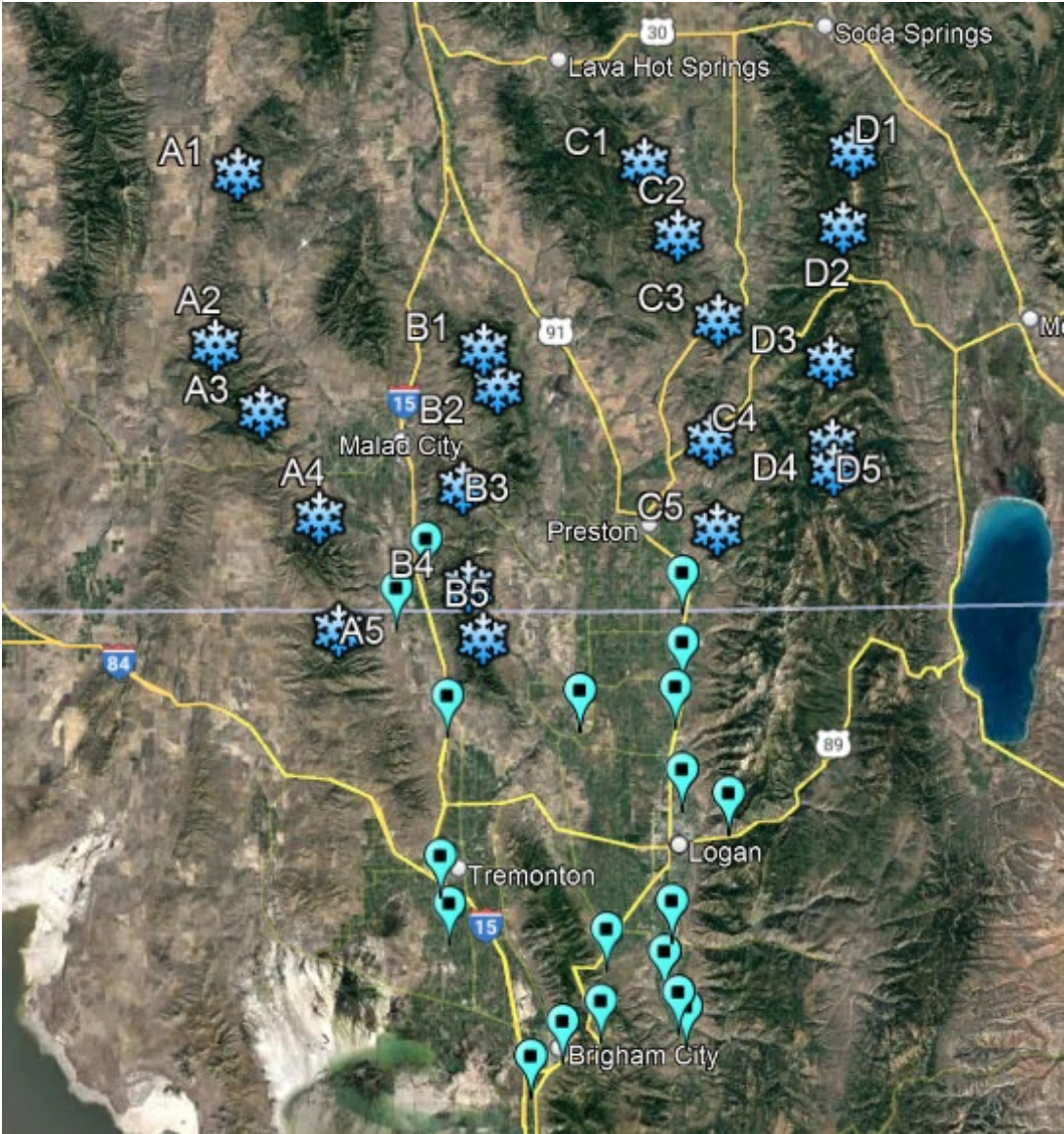


Key Points

A study was conducted to assess the feasibility for cloud seeding with silver iodide and develop designs to target the Bear River Basin with cloud seeding to enhance precipitation

- Cloud seeding with silver iodide has been shown to produce snowfall
- There are opportunities to use silver iodide cloud seeding to enhance precipitation in the Bear River Basin
- Airborne seeding is recommended over ground-based seeding given flow blocking issues and warming temperatures due to climate change
 - If ground seeding is pursued, higher elevation sites are needed to overcome flow blocking
 - Liquid propane seeding may be an alternative for ground-based seeding in a warming climate, but more research is needed to better understand how effective it can be
- There are opportunities to partner with Idaho Power's Upper Snake seeding program to share ground generators and/or aircraft to also target the Bear
 - Partnerships with Utah may also be useful for targeting the Upper Bear

Bear River Basin | Ground Seeding



 State of Utah Existing Manual Generators

Elevation (ft)
5070
4570
5334
5484
5930
5340
5986
5640
5811
4450
4500
4417
4662
4577
4600
4694
4580
4971
4295
4265
4404
4690
5200
4884
4816
4875
5059
5079
5107
5066
5473

 NCAR *Proposed* Remote Ground Generator

Generator	Elevation Modeled
A1	6627
A2	6480
A3	6890
A4	7513
A5	6824
B1	7726
B2	6627
B3	6463
B4	6316
B5	6988
C1	7218
C2	6660
C3	5807
C4	5906
C5	5479
D1	9137
D2	8333
D3	9121
D4	8990
D5	8530



Bear River Basin | Next Steps

F/D study assessed range of potential operations– *what makes sense for Idaho?*

- Comprehensive full-scale program (ground and aircraft operations)
- Dedicated BRB Aircraft
- Shared Aircraft BRB/USRB
- Ground operations only



Bear River Basin | Next Steps

How will increased water supply effect water availability and/or use in the basin?

1. What is the need for increased supply in the BRB?
2. How will increased supply support water management goals in the BRB?
3. What is the potential for cloud seeding to support these goals?
 - DATA REQUIRED



Bear River Basin | Project Recommendations

I. Conduct 5-Year Pilot Project

- ✓ Less capital investment
- ✓ Less resources
- ✓ Significantly reduces necessary staff time to implement.
- ✓ Doesn't require extensive development of infrastructure.

II. Develop an Extension of the Idaho Collaborative Cloud Seeding Program

- ✓ Provides mechanism for shared infrastructure with USBR
- ✓ Doesn't require lengthy procurement
- ✓ Most of the necessary operational framework already exists

III. Conduct a project validation study

- ✓ Have we seen sufficient seeding opportunities?
- ✓ What is the estimated effects of seeding in the basin?
- ✓ Will the project sufficiently support the long-term water management goals in the basin?





Bear River Basin | Estimated Costs

Aircraft		
	Initial Year	Ongoing
Aircraft	\$ 675,000.00	\$ 675,000.00
Contract Met	\$ 120,000.00	\$ 120,000.00
IPC Contract Admin	\$ 5,000.00	\$ 5,000.00
Total for Aircraft/Met	\$ 800,000	\$ 800,000.00
5 Generators (IPC Existing)		
	Initial Year	Ongoing
Ground Seeding		
Total Generators	\$ 20,000.00	\$ 20,000.00
Estimated Weather Instrumentation		
	Initial Year	Ongoing
Instrumentation		
Total Instrumentation	\$ 250,000.00	\$ 25,000.00
Total	Initial Year	Ongoing
	\$ 1,070,000.00	\$ 845,000.00

Bear River Basin | Estimated Costs

- Year 1 | *Implementation*
 - Operations: \$820,000
 - Capital: \$250,000
 - Total: **\$1,070,000**
- Years 2-4 | *Operations*
 - Total: **\$2,535,000**
- Year 5 | *Validation*
 - Operations: \$880,000
 - Assessment: \$250,000
 - Total: **\$1,130,000**

**TOTAL
ESTIMATED COST
\$4,735,000**



Questions?



Memorandum



To: Idaho Water Resource Board

From: Staff

Date: July 19, 2024

Re: IWRB Work Session – Utah Water Resource Issues

NO ACTION REQUIRED

Jake Serago (PE) a Water Resources Engineer with the Utah Division of Water Resources will be providing an overview of water issues Utah is facing with an emphasis on the Great Salt Lake, and how Utah aims to address those issues through the Great Salt Lake Basin plan.

Jonathan Jennings a Meteorologist with the Utah Division of Water Resources will be providing a high-level overview of Utah's Cloud Seeding Program and an update on Utah's plan related to Cloud Seeding of the Bear River Basin.

07/25/2024

Utah Division of Water Resources

Cloud Seeding Operations in Utah



Jonathan Jennings | Meteorologist
Division of Water Resources

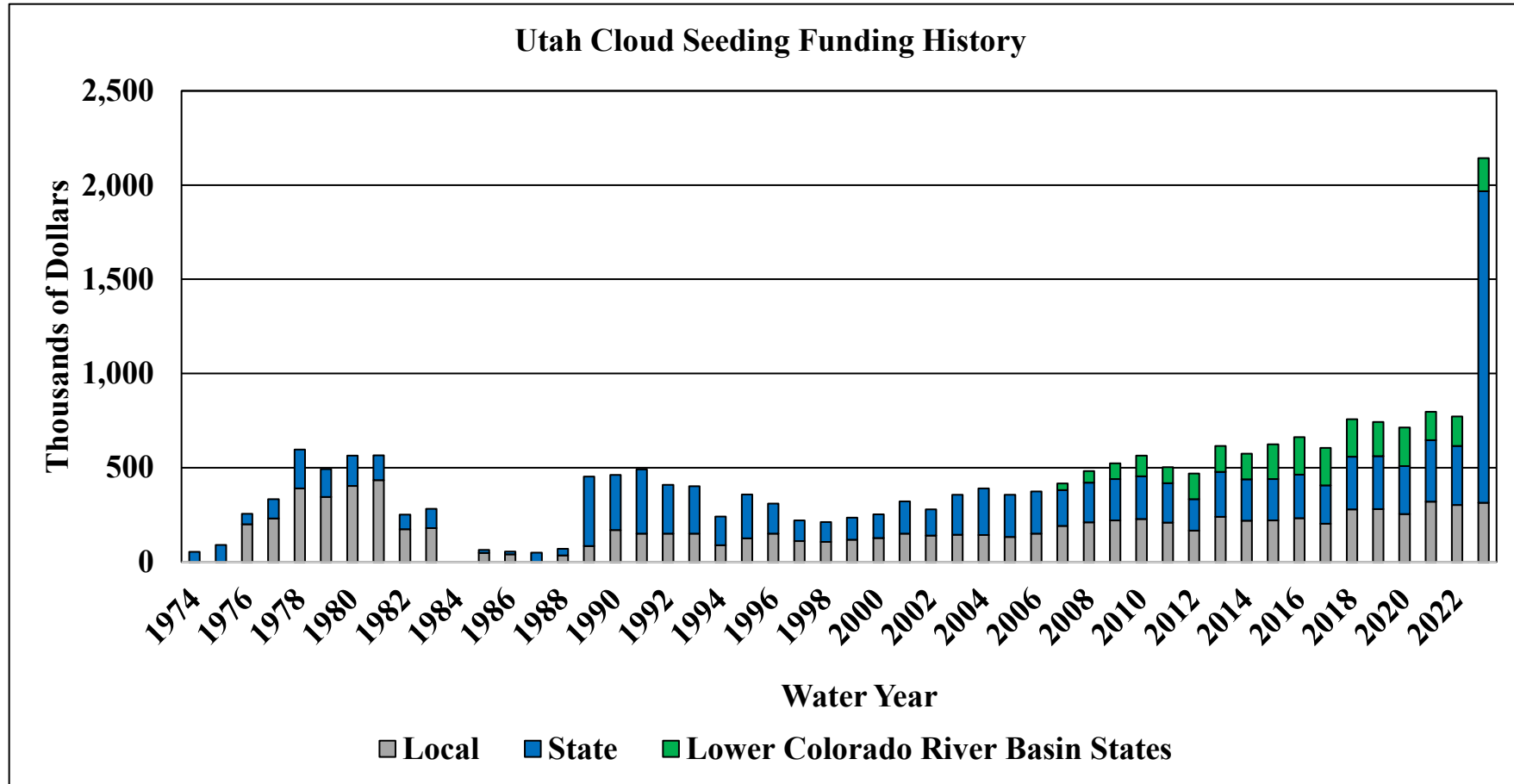


History

- First operational program in 1974
- Primary contractor is North American Weather Consultants
 - One of the first projects was in 1953 in Southeastern Idaho (Salmon River Canal Company, Oakley Canal Company, Cedar Mesa Reservoir and Canal Company)
- Cloud Seeding Act of 1973
- State Matching Funding available most years since 1976
- Large Increase in Funding (2023)



Funding



Funding increased due to efforts to refurbish the GSL, though the overall goal is simply statewide water supply.

Main priority has been the expansion of remote generators.

Studies have led to a new program near Ogden and seeding extension of the Northern Utah program.

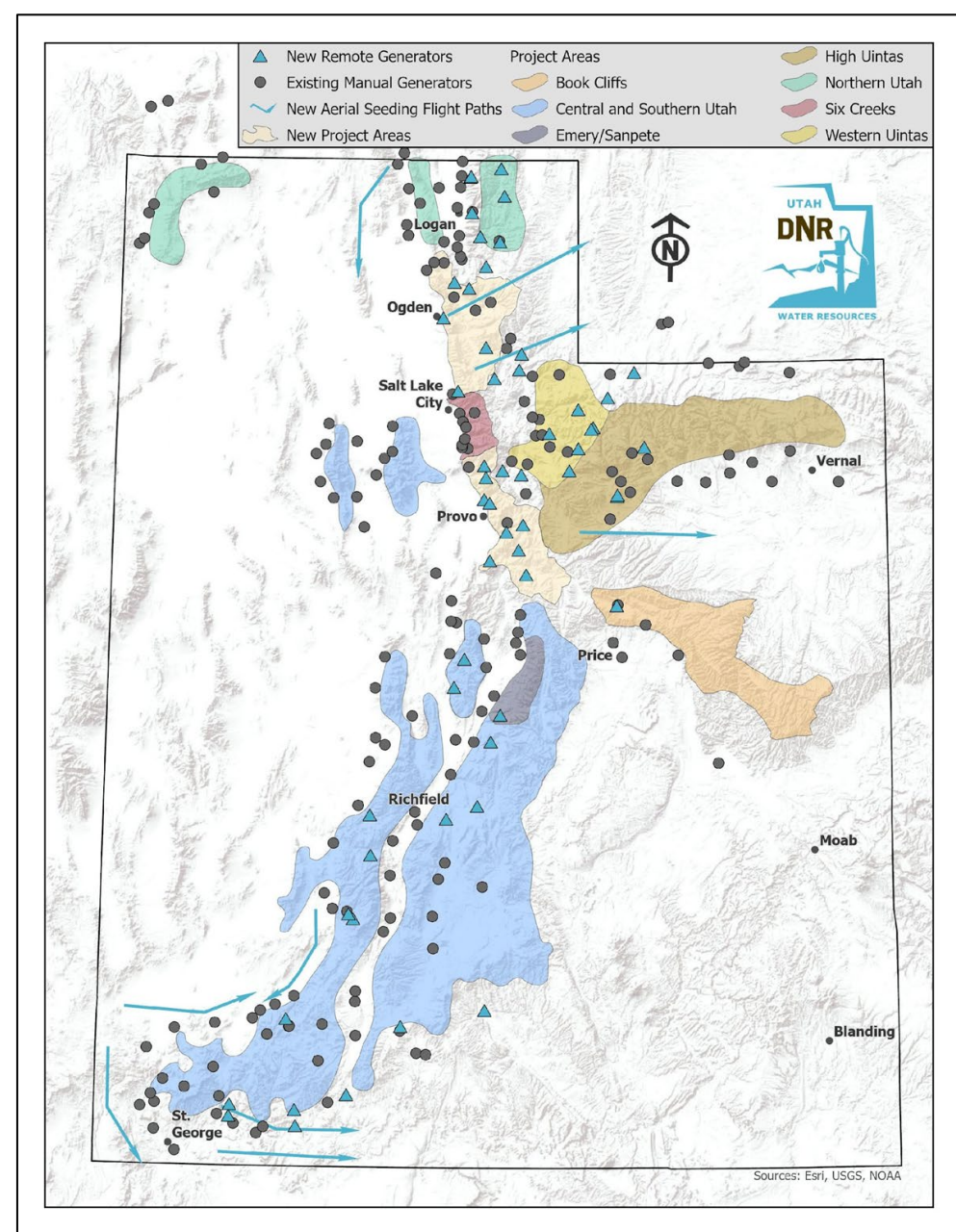
Aerial programs still in an exploratory phase.

Research for evaluations and aiding operational practices.



Target Areas of Utah

- 160 Manual Generators across the State
- 24 Remote Generators last season, expectation is for 60 this season.
- New project in the Ogden area.
- Extension of the Northern Utah program
- Possible expansion of the Northern Utah program.
- Aerial Program.
- Liquid Propane program sponsored by the Emery Water Conservancy District.



Sponsors and Contractors



Sponsor	Program
Bear River Water Conservancy District	Northern Utah
Chase Water District	Northern Utah
Weber Basin Water Conservancy District	Western Uintas
Prover River Water Users Association	Western Uintas
Central Utah Water Conservancy District	Western Uintas & High Uintas
Duchesne County Water Conservancy District	High Uintas
Uinta Water Conservancy District	High Uintas
Salt Lake City Department of Public Utilities	Six Creeks
Utah Water Resource Development Corp.	Southern and Central Utah
Emery Water Conservancy District	Emery Water Conservancy District
Utah Division of Water Resources	Southern & North Aerial Programs
Lower Colorado River Basin States	Southern and Central Utah (extended), High Uintas (extended), Book Cliffs

Regulatory

- **License (annual)**

- BS Meteorology or Related Field
- 5-Years Cloud Seeding Experience

- **Permit (annual)**

- Operations Plan
- Notice of Intention
- Financial Responsibility
- Reporting Requirements
 - Also required by NOAA
- Plans to make this a multi-year permit

- **Suspension Criteria**

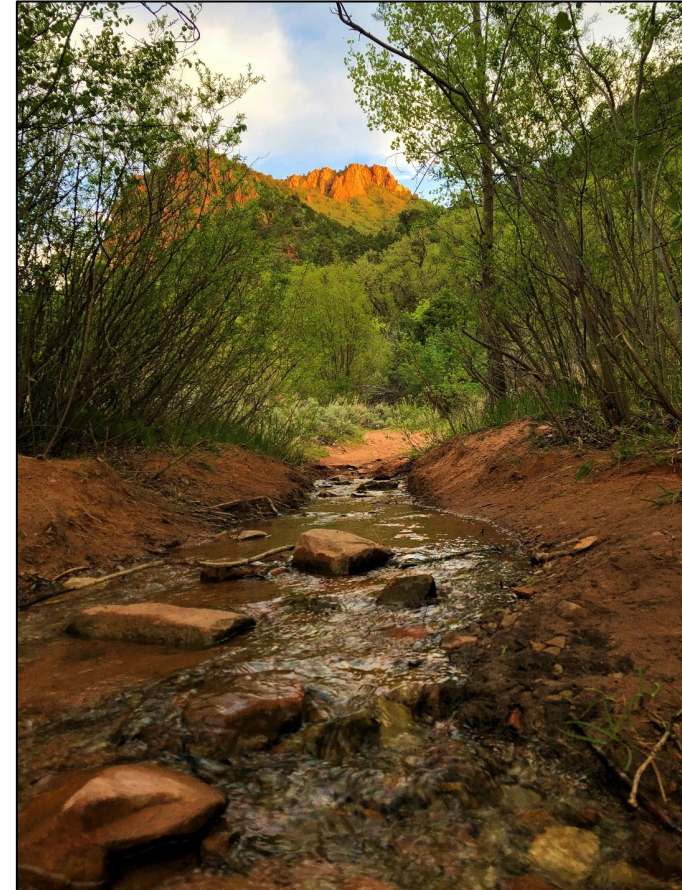
- Excess snowpack accumulation
- Rain induced winter floods
- Severe Weather
- WRe Suspension Criteria
 - 95th percentile of spring runoff
- Avalanche Considerations
- Also open to sponsor input



Benefits

- Target and Control Evaluation
 - 6-11% Increase
- Conservative Streamflow Evaluation
 - 200,000 a-f of additional streamflow
- Benefit-Cost Analysis
 - With just streamflow alone at \$100/a-f, upwards to \$20 million in return.
- **Modeling Study** is in the future.

Other benefits include but are not limited to: **Reservoir Recharge, Agricultural Support, Drought and Wildfire Mitigation, Ecosystem Health** leading towards **Increased Carbon Capture, Recreational Activities**



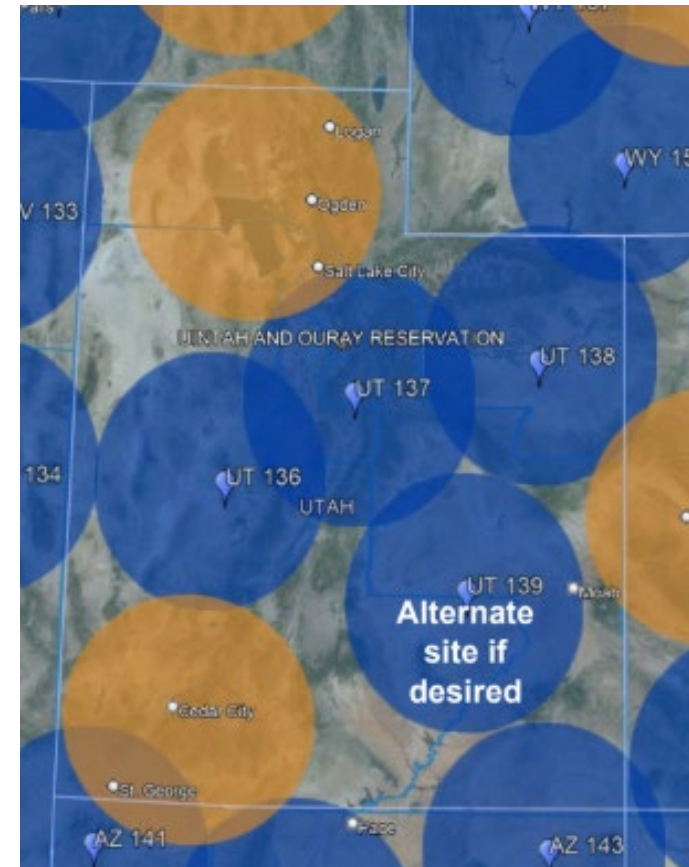
Short-Term Strategy

- Continue Remote Generator Expansion
- Utah Climate Center HRRR (High Resolution Rapid Refresh Model) Project
 - Better modeling for better forecasting, nowcasting, operations and evaluations
- Review of Aerial Programs
 - Challenges in Northern Utah
- Extension and **Expansion** of the Northern Utah Program
 - Extend through April, **expand into Idaho?**
- Environmental Study
 - Still looking for a partner for this study



Short-Term Strategy (cont.)

- Radiometers
 - Three will be in the field this winter
 - Used as an operational tool but also research (WRF model calibration)
- Continued transparency in our PR campaign
- Continued work with the WMA and NAWMC
- ***Gap Filling Radar Project***
 - Western Water and Weather Intelligence Center (W3IC)
 - Climavision



Long-Term Strategy

- Cloud Seeding Research Advisory Committee
- Feasibility Studies (convective?)
 - Early look is not good.
- New/Different Seeding Agents
 - Collaboration with IDWR on Liquid Propane Study?
- Multi-Year Research Campaign
 - Targeting / Dosaging
 - Generator Density/Placement
 - Evaluations



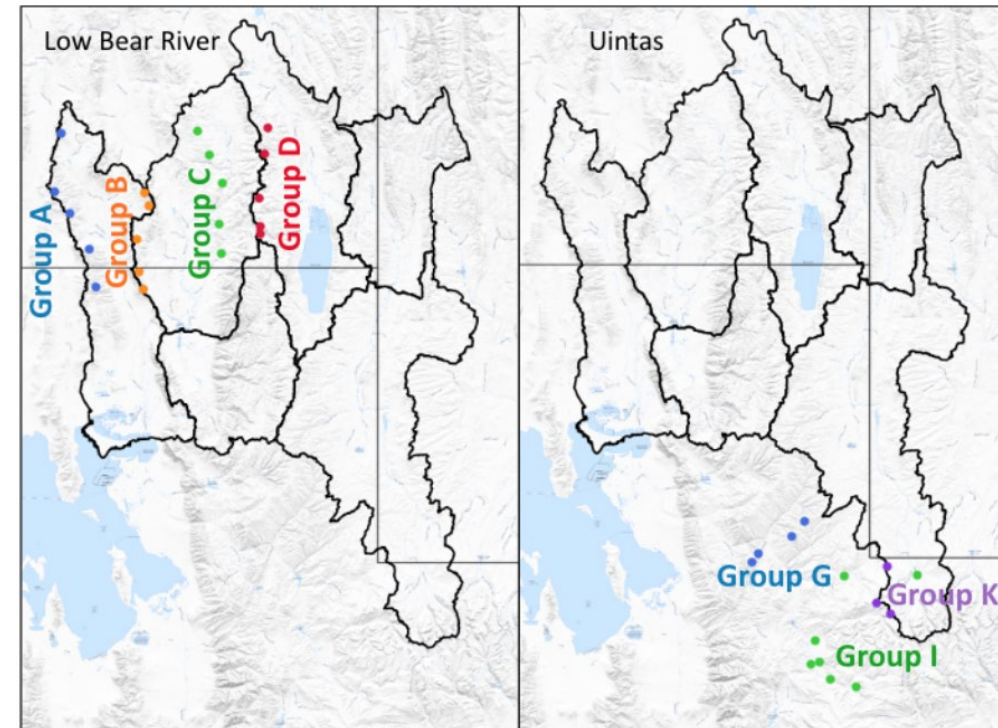
Bear River Basin Project

- As part of NAWC's contract with WRe, an expansion into Idaho is already proposed and contracted
- The contract is for 6 generators within the green shaded area.
- Similar to the feasibility and design project conducted by NCAR, but not as expansive.
- NAWC has interest in this expansion and has the resources.
- We would like to expand on the proposed area.



Bear River Basin Project (cont.)

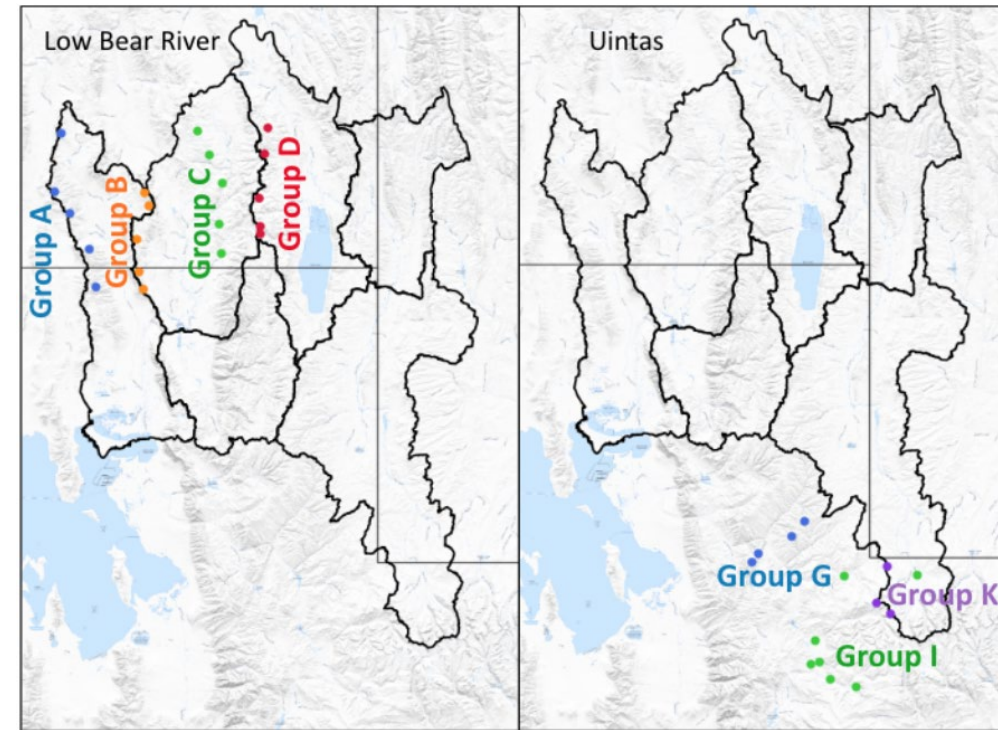
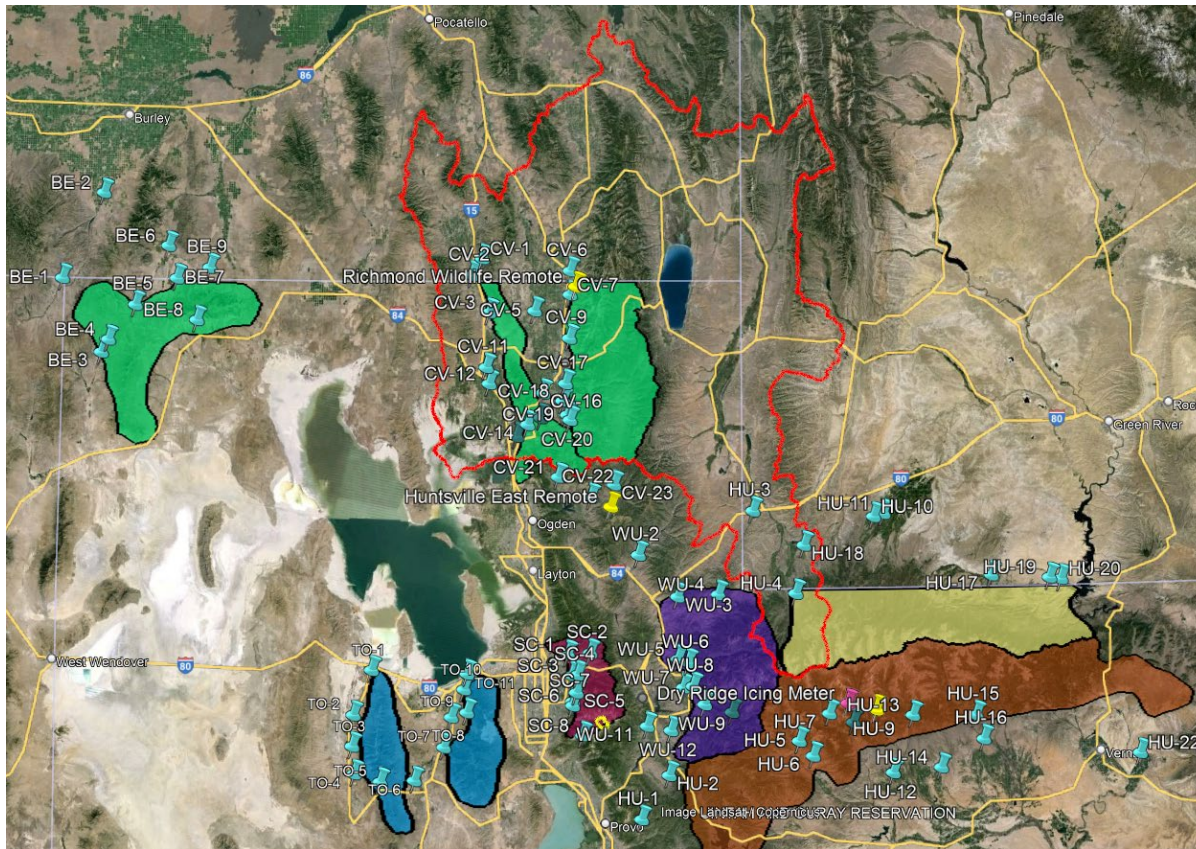
- A three-phased approach would bring:
- Group's C and D into the operations this coming winter
 - 10 generators
- Group A and B into the operations for the 2025-2026 winter
 - An additional 10 generators
- Ongoing feasibility for the NE quadrant
 - Southern end of the Teton range, northern Peak just south of Soda Springs



NCAR 2022



Bear River Basin Project (cont.)



NCAR 2022



Utah Division of Water Resources

water.utah.gov

Bear River Basin Project (cont.)

- **Why not an aerial component?**
- Utah's remote generators can be used in aggressive terrain at higher elevations.
 - Better and ongoing/constant dispersion of seeding material.
- Northern Utah's aerial program exposed some issues.
 - Aggressive icing conditions with limited ability to shed ice.
 - Poor ground conditions for aircraft launch and recovery.
 - Safety / missed opportunities.
 - Can these struggles be minimized working out of a different airport?



Thank you.

Jonathan Jennings
Meteorologist



jjennings@utah.gov



(801) 538-7262



Utah Division of Water Resources

water.utah.gov

GSL Basin Integrated Plan

Thursday July 25, 2024

Idaho Water Resource Board
Soda Springs, Idaho









Estimated Total Economic Impact

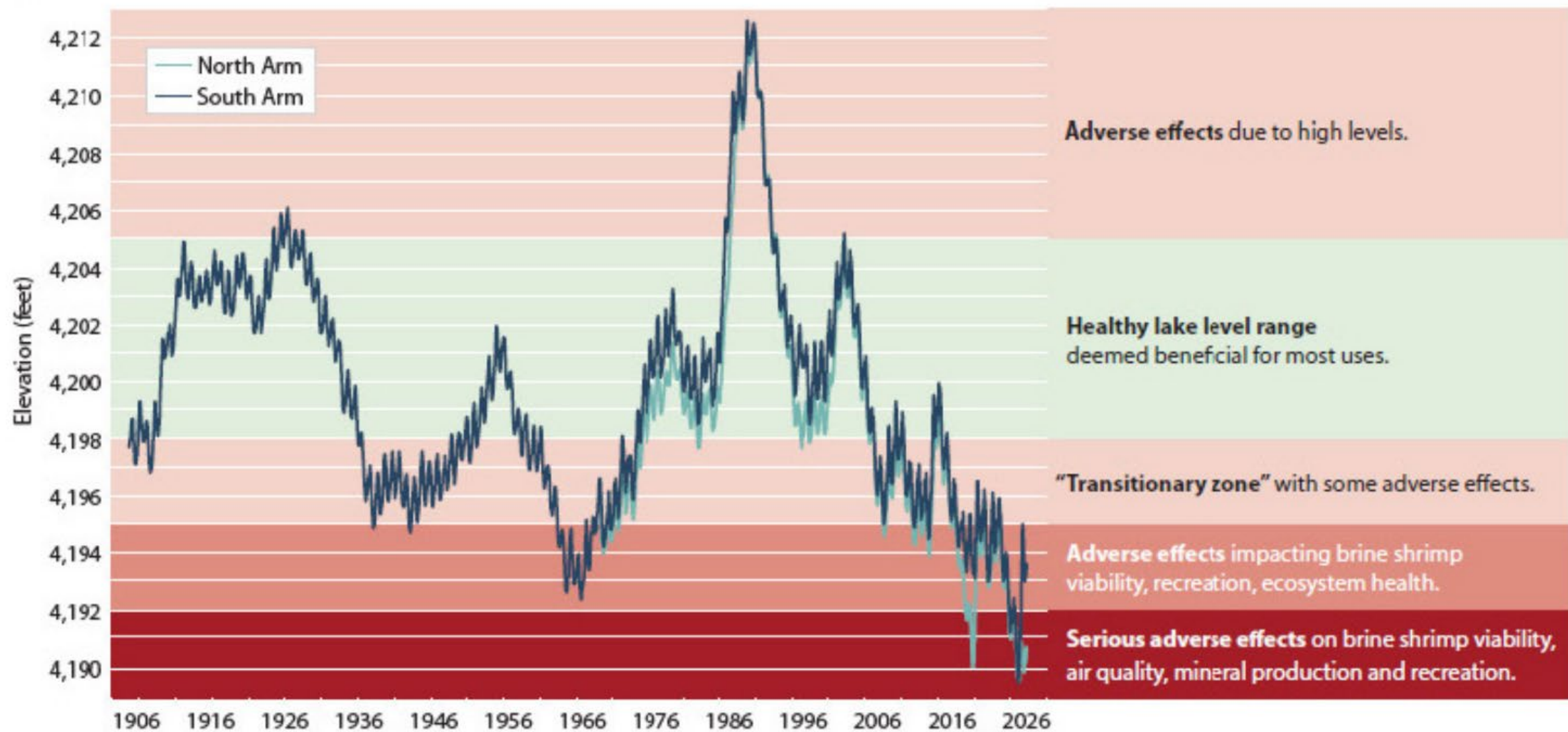
Statistic	Direct Economic Effect	Indirect Economic Effect	Induced Economic Effect	Total Economic Effect
<u>Total Economic Output (millions of 2010 \$)</u>				
Recreation Sector	74.6	27.8	33.5	135.8
Industrial Sector (Mineral)	685.2	217.7	227.9	1,130.8
Aquaculture (brine shrimp eggs)	33.9	8.0	14.8	56.7
<i>TOTAL ALL SECTORS</i>				<i>1,323.3</i>
<u>Total Labor Income (millions of 2010 \$)</u>				
Recreation Sector	25.7	9.2	10.8	45.7
Industrial Sector	168.3	67.1	73.7	309.2
Aquaculture (brine shrimp eggs)	12.3	3.2	4.8	20.2
<i>TOTAL ALL SECTORS</i>				<i>375.1</i>
<u>Total Employment (Full and Part-time Jobs)</u>				
Recreation Sector	1,217	236	310	1,764
Industrial Sector	1,967	1,288	2,112	5,368
Aquaculture (brine shrimp eggs)	373	63	138	574
<i>TOTAL ALL SECTORS</i>				<i>7,706</i>



Ecological Significance of Great Salt Lake

- 10 million birds visit GSL annually
- Critical link in Pacific Flyway for over 330 bird species
- 80% of Utah's wetlands





What if these benefits dry up?

GREAT SALT LAKE ELEVATION

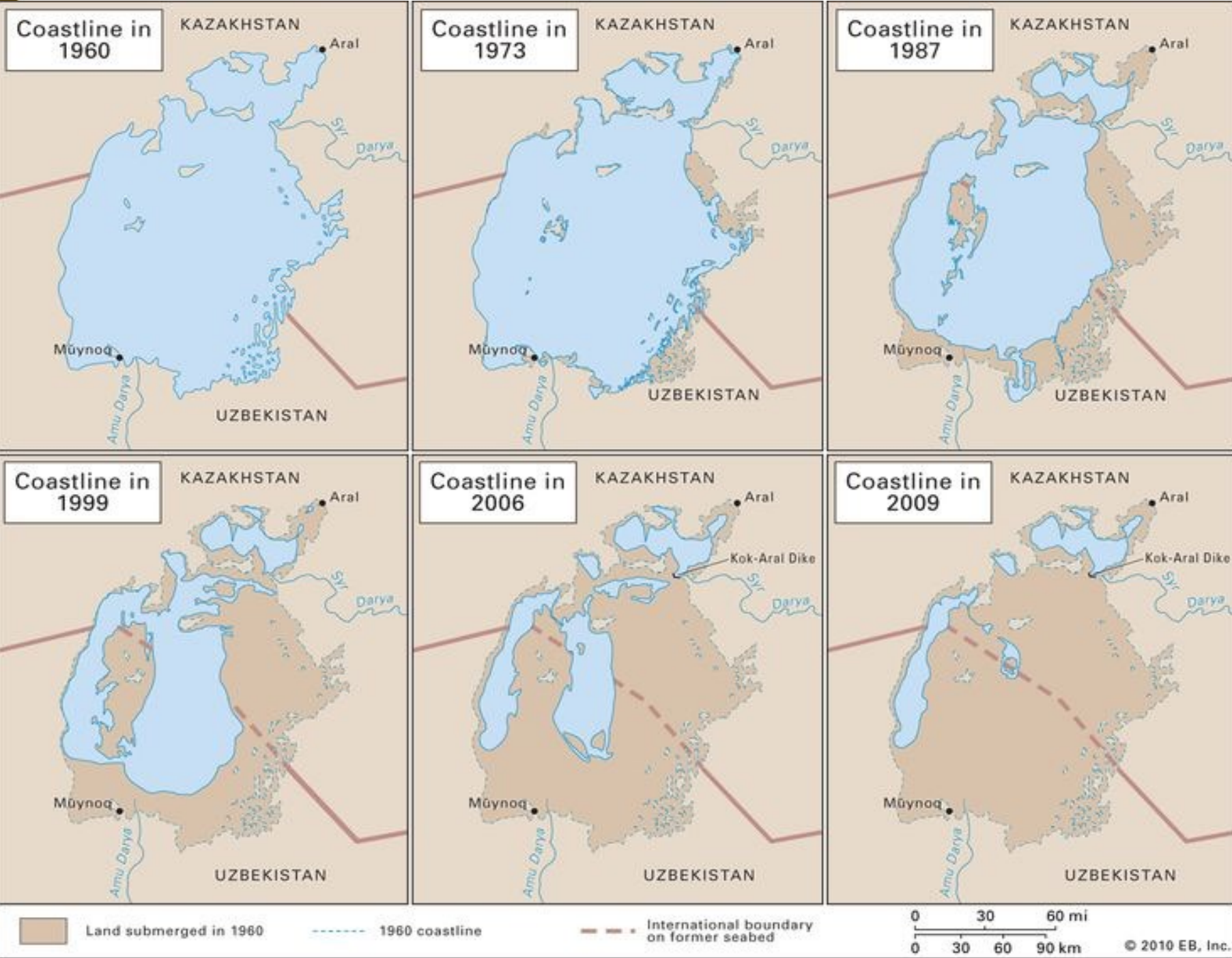


RECORD HIGH
4211.65 FEET

AVERAGE
4202.2 FEET

CURRENT
4190.6 FEET





Aral Sea



Potential Problems

- Global food web
- National mineral supply chain
- Hemispherical flyway
- Regional health
- Basin Hydrology
- Federal Intervention
 - ESA
 - Public Trust
 - Dust



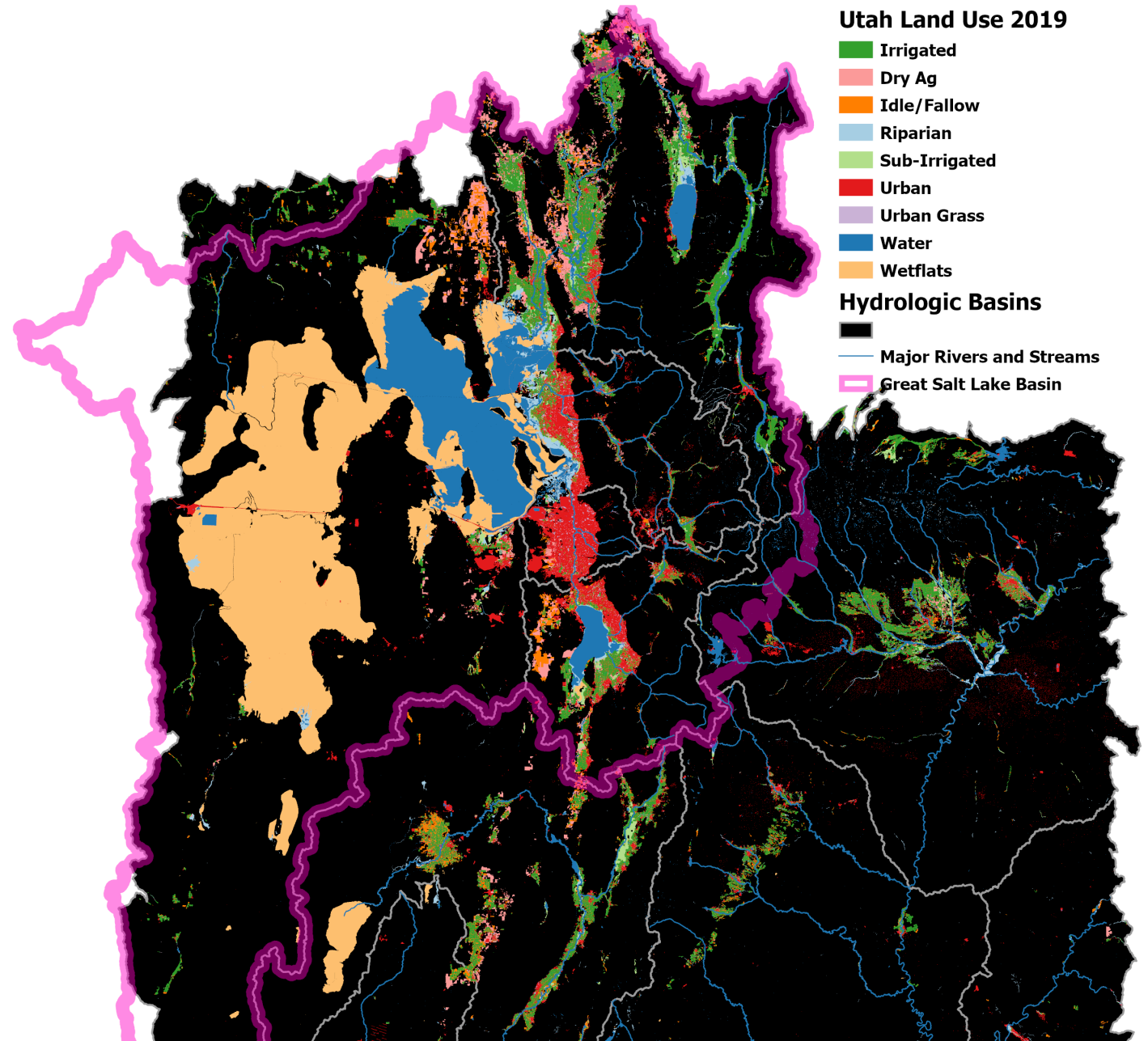
Problem

- Water resources in the basin are stressed
- What is the shared vision for the future
- No consensus on story, problem, data, methods,
- Quick decision-making
- No water resources plan for the basin



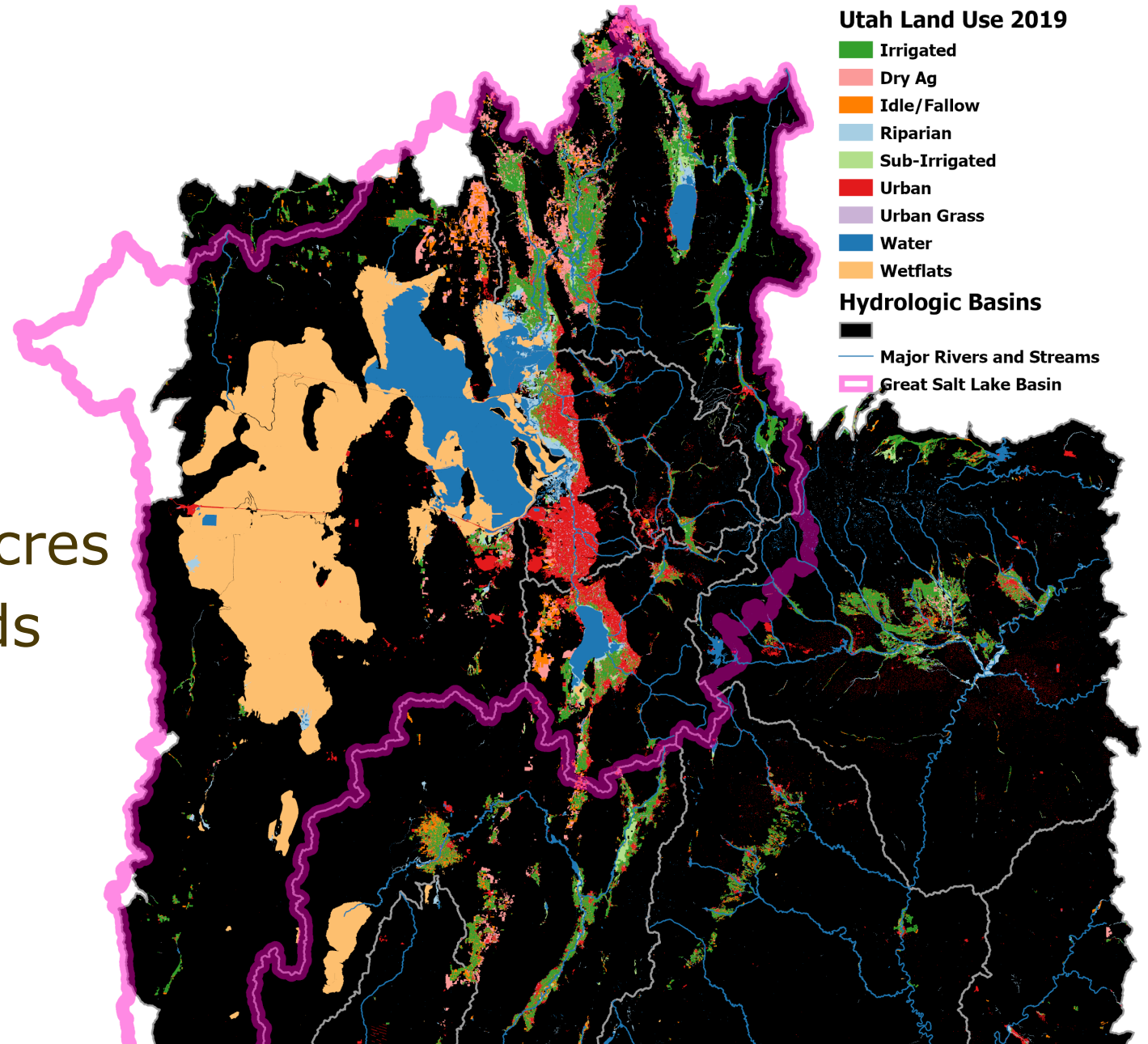
The GSL basin is complex

- 36,000 mi²
- 4 States
- 18 Counties
- 141 Cities
- 70 Groundwater aquifers
- 1,300 reservoirs
- 150,000 water rights



The GSL basin is complex

- 2.6 million humans
- 1.5 million acres of farmland
- 693 thousand urban acres
- 184,000 acres wetlands
- Behaviors
- Attitudes
- Values



Funding and Partners

- \$5 million from Utah Legislature in 2022 through HB429
- \$3.1 million from US Bureau of Reclamation's Basin Study program
- Project Team
- GSL Commissioner
- Advisory Group (IDWR)
- Steering Committee
- Watershed Councils
- Water Users (Utah, Idaho, Wyoming)
- Public Participants



Project Manager: Laura Vernon, A.I.C.P.
Great Salt Lake Basin Planner
lauravernon@utah.gov
385-522-3698

Modeling Manager: Jake Serago, P.E.
Hydrologist
jserago@utah.gov
801-538-7283



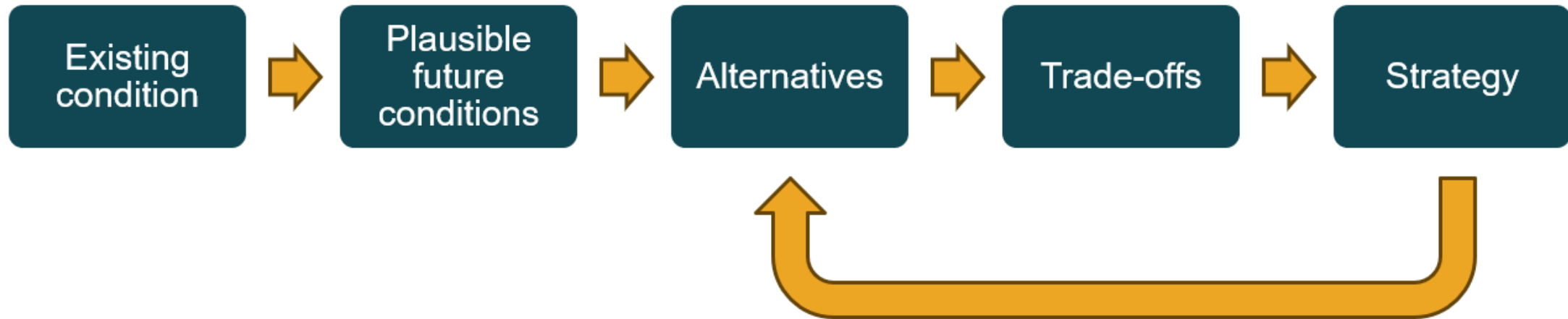
Goal

Produce a plan which will, when implemented, ensure a resilient water system for Great Salt Lake and all water users in the basin.

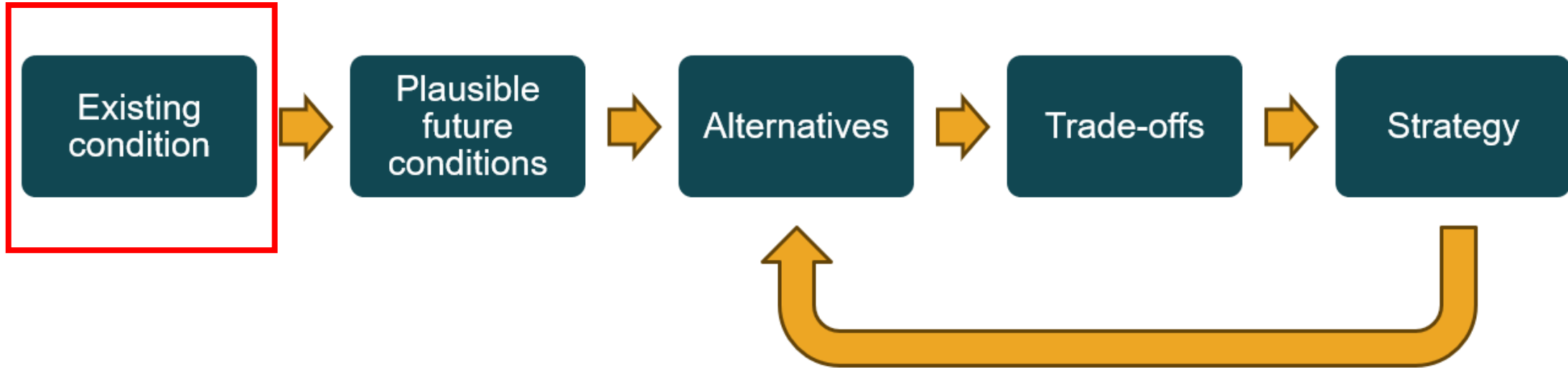




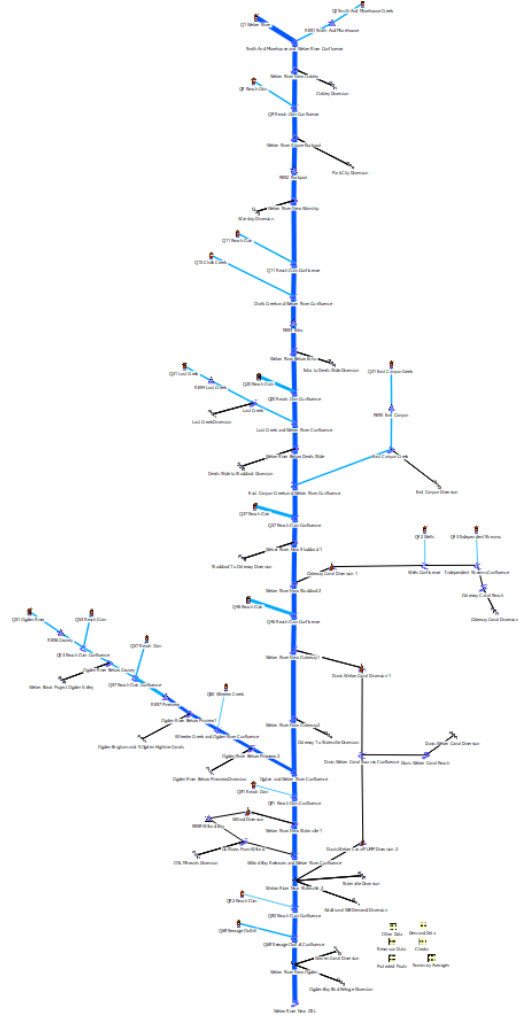
Steps to Complete the Plan



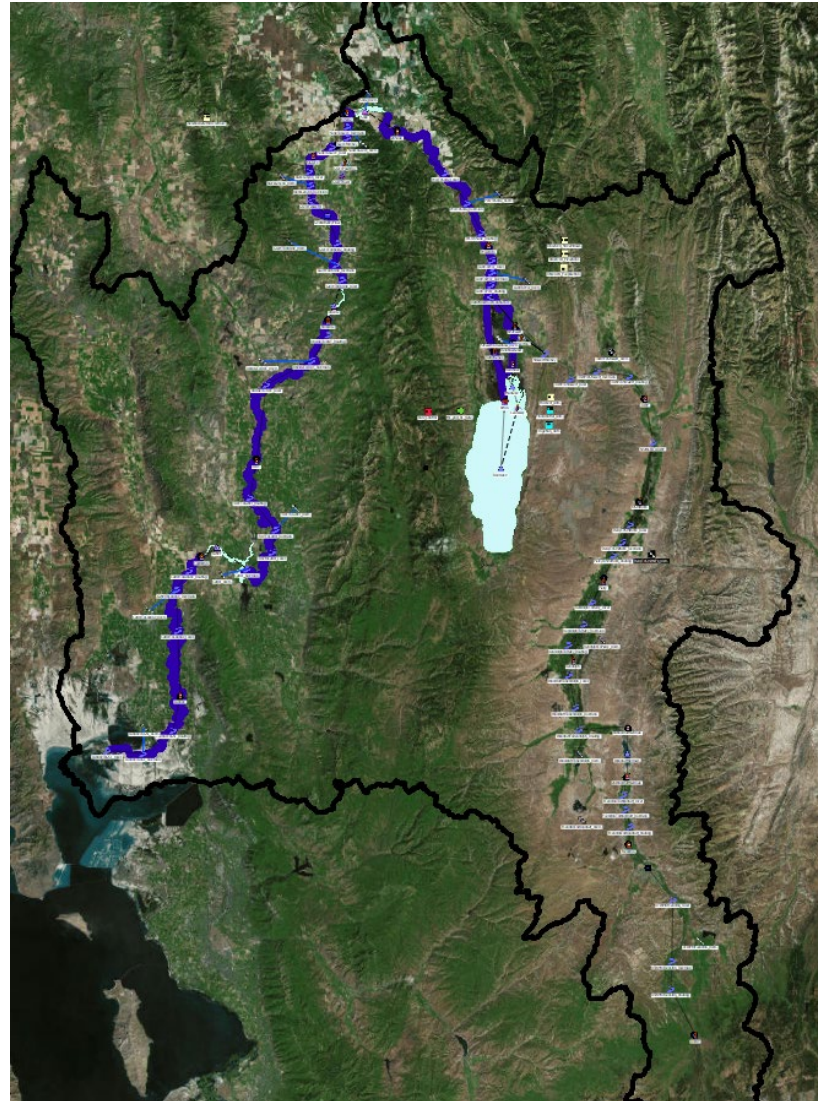
Steps to Complete the Plan



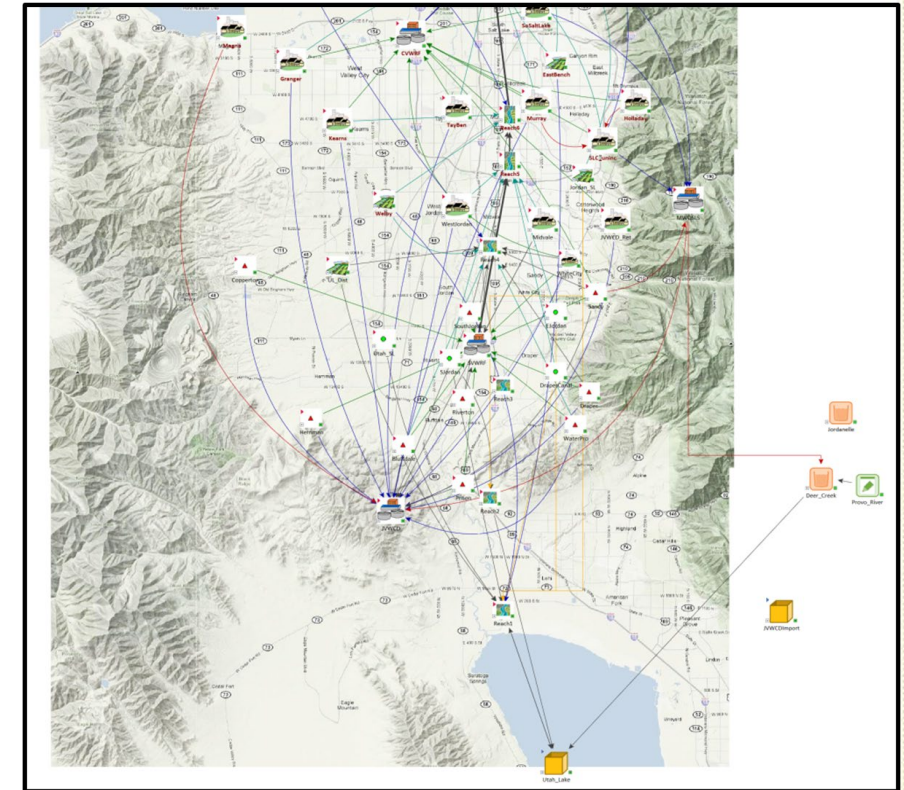
Weber River



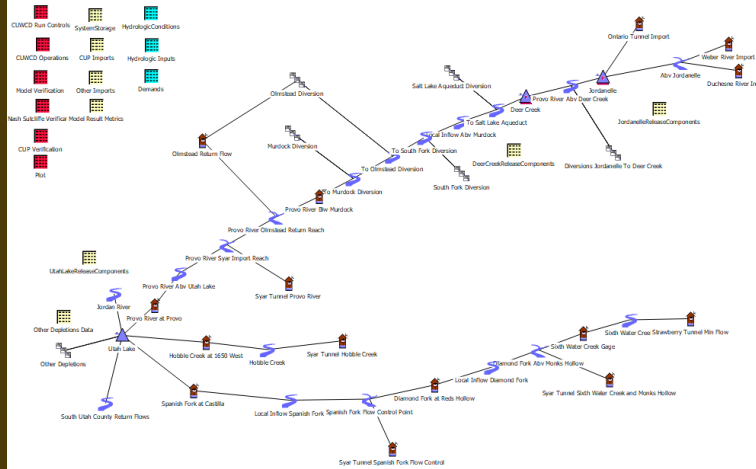
Bear River



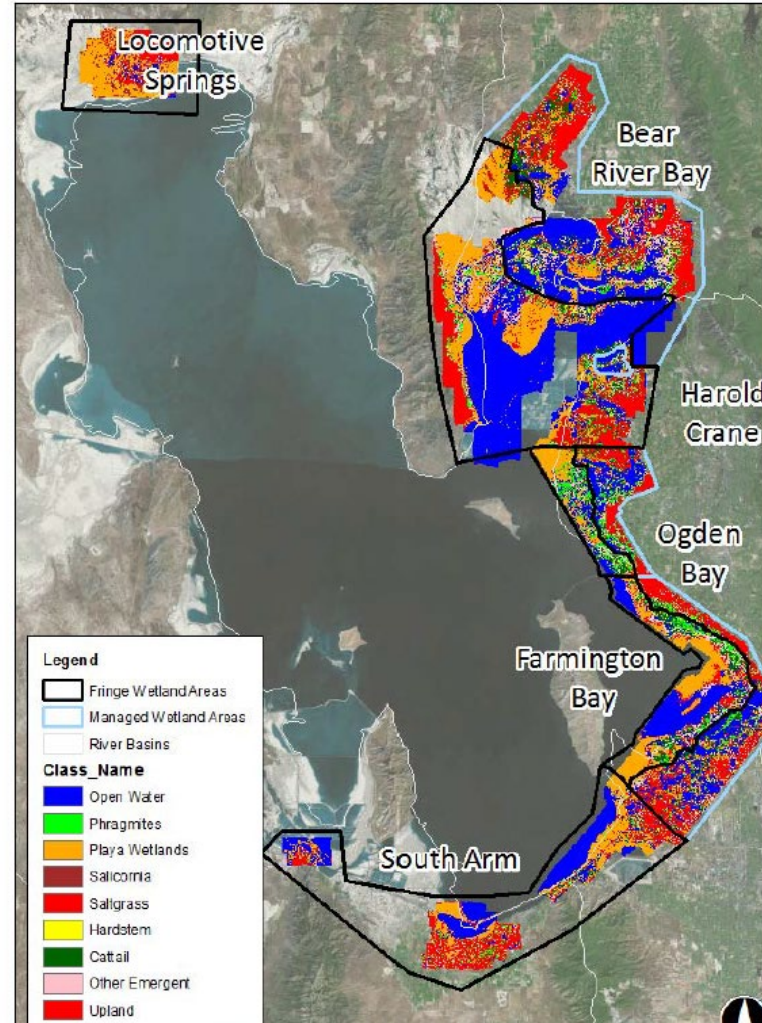
Jordan River



Provo River



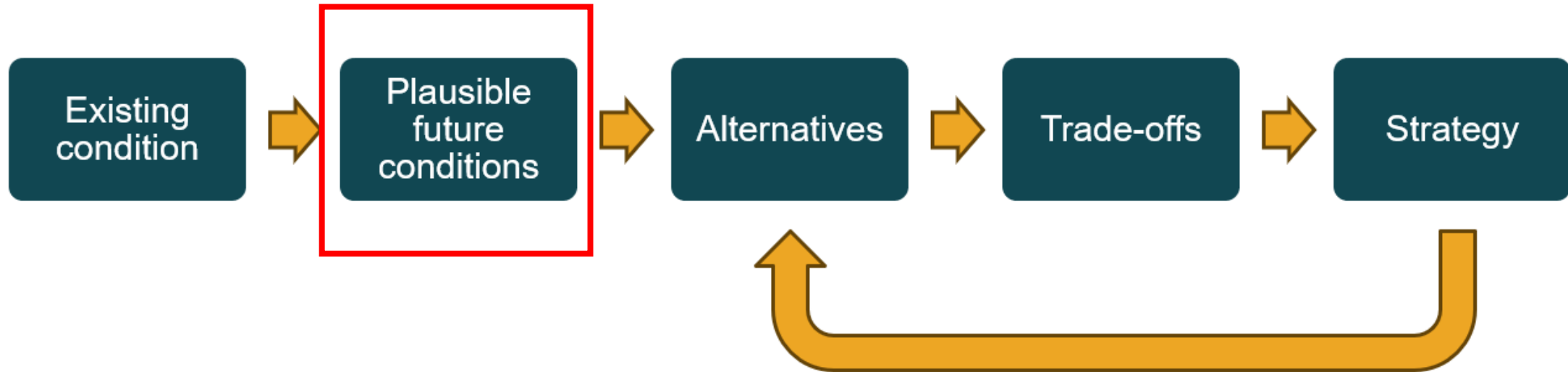
GSL Wetlands



Great Salt Lake

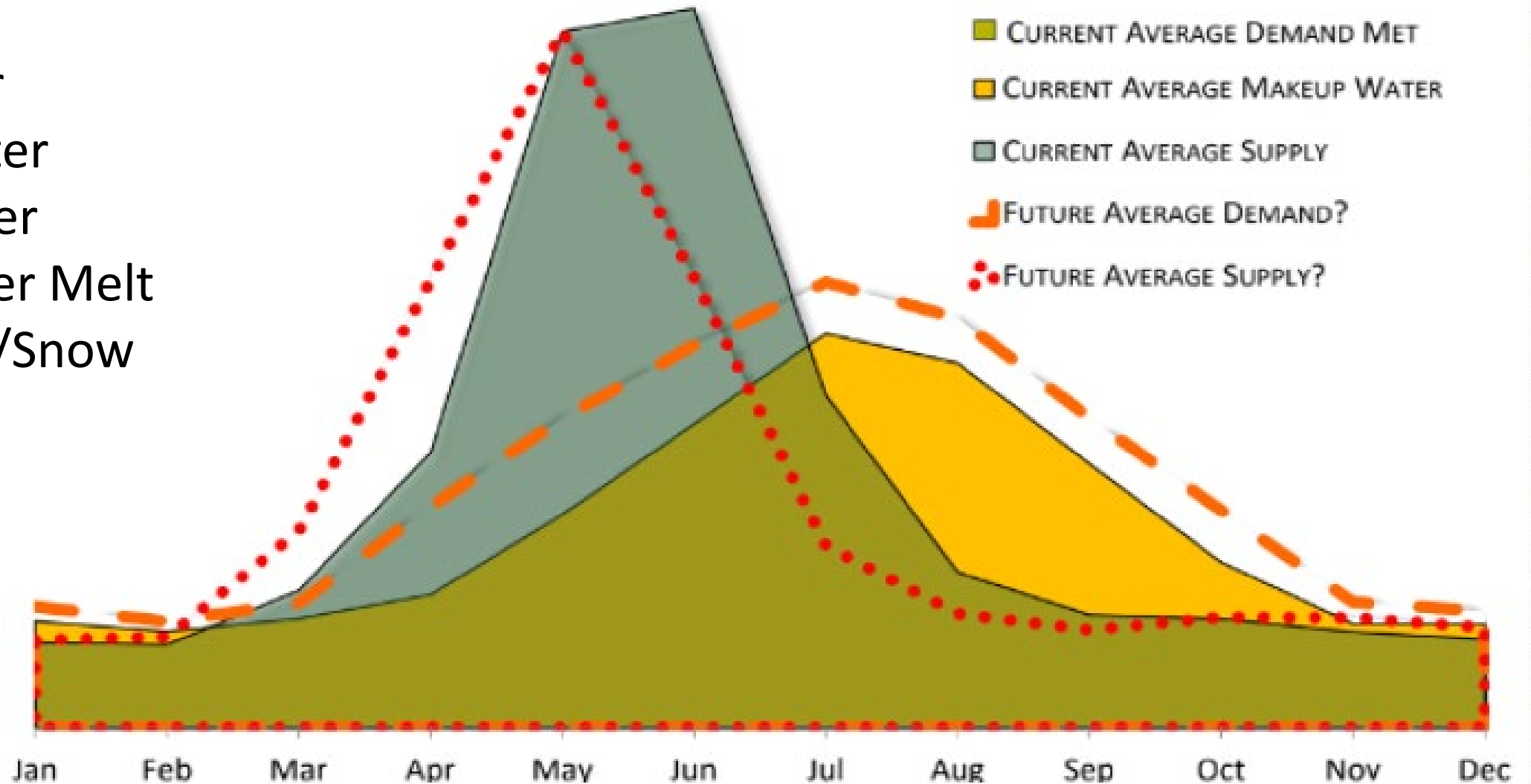


Steps to Complete the Plan

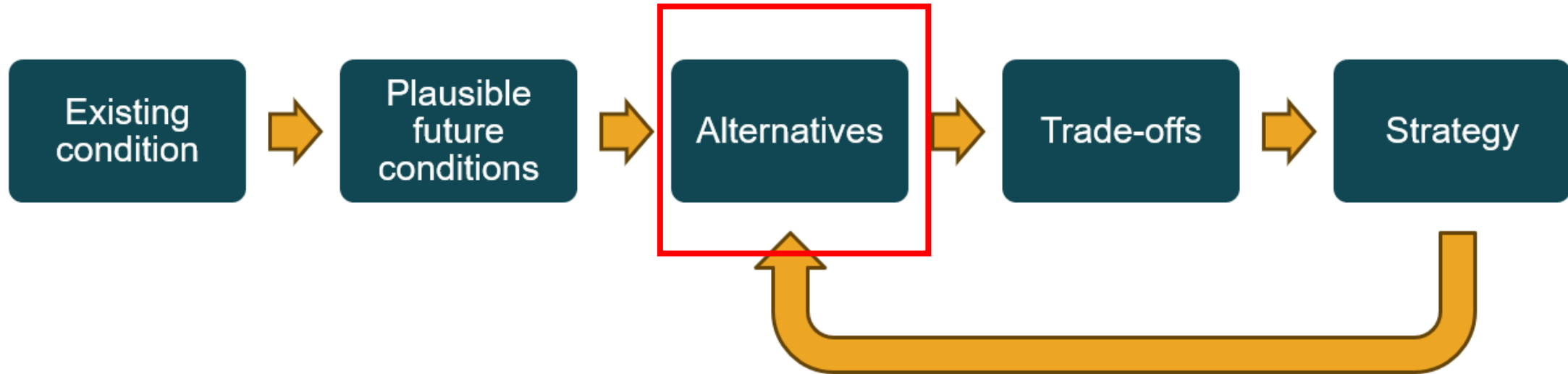


Future Conditions

- Drier
- Wetter
- Hotter
- Earlier Melt
- Rain/Snow



Steps to Complete the Plan



Evaluate Alternatives

- Reduce (increase) lawns
- Reduce use by golf courses
- New reservoirs
- Aquifer Storage and Recovery
- Implement GSL conservation pool
- Reduce all uses by 1%,5%,10%,15%,25%
- Double human population
- Water reuse
- Agricultural crops
- Increase Colorado River imports



Summary

- Be created and adopted by water users and other stakeholders
- Communicate their water resource interests
- Quantify, qualify and display the current status of meeting those interests
- Assess how those interests may be affected in the future
- Evaluate how alternative water demands, policies, operations and hydraulic infrastructure may impact those interests
- Evaluate the robustness of those alternatives to plausible future climate conditions
- Provide an assessment of the trade-offs between the tested alternatives
- Select and combine the tested alternatives into an implementable plan

lauravernon@utah.gov

or

jserago@utah.gov





Amended AGENDA

IDAHO WATER RESOURCE BOARD

Board Meeting No. 8-24

Friday, July 26, 2024

Brad Little
Governor

Executive Session begins at 8:30 a.m. (MT) / 7:30 a.m. (PT)
Open Meeting begins at 9:00 a.m. (MT) / 8:00 a.m. (PT)

Jeff Raybould
Chairman
St. Anthony
At Large

Cobblestone Inn & Suites
Conference Room
341 W. Second Street
SODA SPRINGS

Jo Ann Cole-Hansen
Vice Chair
Lewiston
At Large

Livestream available at <https://www.youtube.com/@iwrp>

Dean Stevenson
Secretary
Paul
District 3

Dale Van Stone
Hope
District 1

Albert Barker
Boise
District 2

Brian Olmstead
Twin Falls
At Large

Marcus Gibbs
Grace
District 4

Patrick McMahon
Sun Valley
At Large

1. Roll Call
2. Executive Session: Board will meet pursuant to Idaho Code § 74-206(1) subsection (f) to communicate with legal counsel regarding legal ramifications of and legal options for pending litigation or controversies not yet being litigated but imminently likely to be litigated. Topics: Water Right Application for Permit 2-10556 and Priest Lake Dam Construction Litigation. Closed to the public.
3. Agenda & Approval of Minutes 6-24 & 7-24*
4. Public Comment
5. Financial Report
6. Administrative Rules
7. Appointment of Hearing Officer in Hastings Matter*
8. Anderson Ranch Dam Raise Update
9. Flood Management Grant Awards*
10. Groundwater to Surface Water Conversion Projects Grant Criteria*
11. MHAFB Water Sustainability Project Update
12. Director's Report
13. Non-Action Items for Discussion
14. Next Meeting & Adjourn

* Action Item: A vote regarding this item may be made at this meeting. Identifying an item as an action item on the agenda does not require a vote to be taken on the item. **Americans with Disabilities:** If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.



IDAHO WATER RESOURCE BOARD

Brad Little
Governor

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Chairman
St. Anthony
At Large

Jo Ann Cole-Hansen
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Boise
District 2

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Twin Falls
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Marcus Gibbs
Grace
District 4

Patrick McMahon
Sun Valley
At Large

MINUTES MEETING NO. 6-24

University of Idaho Bonner County Extension
Conference Room
4205 N. Boyer Ave.
SANDPOINT

May 23, 2024
Work Session

Agenda Item No. 1: Roll Call

Chairman Raybould called the work session meeting to order at 8:30 AM (PT) in Sandpoint, Idaho. The meeting was livestreamed on the Board's YouTube Channel online. Board members present were Al Barker, Jo Ann Cole-Hansen, Marcus Gibbs, Patrick McMahon, Brian Olmstead, Dean Stevenson, Dale Van Stone, and Chairman Jeff Raybould.

IDWR staff members present were: Brian Patton, Cynthia Bridge Clark, Wesley Hipke, Mat Weaver, Kara Ferguson, Mike Morrison, Neeley Miller, Michelle Richman, Evan Roda, Steve Stuebner, and Jennifer Strange. Online were Erik Boe and Amy Cassel

Guests present were: John Simpson, John Williams, Tyler Plamer, Clay Hickey, Merritt Horsmon, Mike Faupel, Allen S., and Ann Yribar.

Agenda Item No. 2: Administrative Rules Update

Erik Boe provided a brief update on rulemaking schedules.

Agenda Item No. 3: Mountain Home Air Force Base Water Resilience Project

Mike Morrison provided a construction schedule for the Mountain Home Air Force Base Water Resilience Project.

Agenda Item No. 4: North Idaho Adjudication Update

Evan Roda discussed updates on the adjudication efforts in North Idaho.

Agenda Item No. 5: North Idaho Fisheries Streamflow Challenges & Opportunities by Idaho Fish and Game

Clay Hickey and Merritt Horsmon shared issues that Idaho Fish and Game are observing with streamflow in certain areas of North Idaho. They focused on salmon and trout impacts within the Potlach and Pack Rivers areas.

Agenda Item No. 6: Palouse Basin Aquifer Committee Presentation

Tyler Palmer discussed water issues for declining aquifers in the Moscow area. He discussed several project options to provide water to the region. He discussed a renewed focus to project alternative one. Next steps include an RFQ to refine the process.

Agenda Item No. 7: Regional Manager's Update

Michelle Richman provided updates on the work of the Northern region office. She discussed the status of the aquifers in the region.

Agenda Item No. 8: Priest Lake Outlet Dam Operations Update

Kara Ferguson and Michelle Richman discussed hydrology involved with outlet dam operations at Priest Lake. Operational guidance and communications challenges were discussed.

Agenda Item No. 9: Non-Action Items for Discussion

There were no other items for discussion.

Agenda Item No. 10: Adjourn

The meeting adjourned at 11:37 AM (PT). After lunch, the board went to the Priest Lake outlet dam for a field trip.

May 24, 2024
Board Meeting No. 6-24

At 8:32 AM (PT) Chairman Raybould called the meeting to order in Sandpoint, Idaho. The meeting was livestreamed on the Board's YouTube Channel online upon adjournment of the executive session.

Agenda Item No. 1: Roll Call

Board Members Present

Albert Barker
Jo Ann Cole-Hansen, Vice Chairman
Marcus Gibbs
Patrick McMahon
Brian Olmstead
Dean Stevenson, Secretary
Dale Van Stone
Jeff Raybould, Chairman

Staff Members Present

Mathew Weaver, Director
Cynthia Bridge Clark
Neeley Miller
Jennifer Strange

Brian Patton, Deputy Director/Exec. Manager
Wesley Hipke
Kara Ferguson
Steve Stuebner

Staff Members Online

Meghan Carter
Amy Cassel
Craig Tesch

Justin Ferguson
Amy Steimke
Sascha Marston

Guests Present

Ann Yribar

John Williams

Guests Online

Scott Campbell
Bryan Horsburgh
Chris Keith
Ben Sandberg
Norm Semanko

Ron Shurtleff
Tom Banducci
Doug Jones
Eric Simonson
Wade Olorenshaw

Agenda Item No. 2: Executive Session

Mr. Stevenson moved to resolve into executive session pursuant to Idaho Code 74-206(1) subsection (f) to communicate with legal counsel regarding legal ramifications of and legal options for pending litigation or controversies not yet being litigated but imminently likely to be litigated. Mr. Barker seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Scott Campbell spoke on the topic of North Idaho Adjudication Federal and Tribal Reserve Claims. Meghan Carter spoke on the topic of Priest Lake.

Mr. Stevenson moved to resolve out of executive session at 9:22 AM (PT). Mr. Barker seconded. Voice vote. All in favor. The motion carried. The meeting was closed to the public, and no actions were taken during the executive session.

Agenda Item No. 3: Agenda and Approval of Minutes 4-24 and 5-24

The agenda did not have changes. The minutes for meetings 4-24 and 5-24 were available for approval. Mr. McMahon moved to approve the minutes presented. Ms. Cole-Hansen seconded. Voice vote. All in favor. The motion carried.

Agenda Item No. 4: Public Comment

Doug Jones provided an update on the Lost Valley Reservoir project. He stated that all shares had been sold; funds collected; and Forest Service meetings will result in squirrel studies commencing.

John Williams with Bonneville Power Administration provided updates on industry developments and partnerships.

Agenda Item No. 5: Financial Report

Neeley Miller provided the Board's financial report. The accounts as of March 31, 2024, were: Secondary Aquifer Fund: cash balance \$38,361,952, committed/earmarked but not disbursed \$29,485,107, and uncommitted balance \$8,876,845; Revolving Development Account: cash balance \$35,836,499, committed balance \$32,918,051, loan principal outstanding \$18,864,804, and uncommitted balance

\$2,918,448, and Water Management Account: cash balance \$290,349,765, total obligated funds \$183,278,863, and unobligated funds \$107,070,902.

Total committed/earmarked/ obligated but not disbursed \$364,548,216; total loan principal outstanding \$18,864,804; and total uncommitted/unobligated balance \$118,866,195.

ARPA: committed per HB 769 is \$100,000,000; committed per SB 1181 (2023) is \$24,497,543; committed per SB 1411 (2024) is \$25,502,500; and total received to date is \$150,000,043. Total expended \$82,234,932; obligated (but not yet expended) \$78,033,115; and total obligated \$160,268,047. Obligated (but appropriation not yet received) is (\$10,268,003).

Agenda Item No. 6: FY25 Secondary Aquifer Planning, Management, and Implementation Fund Budget

Neeley Miller provided a draft resolution to adopt the FY25 Secondary Aquifer Planning, Management, and Implementation Fund budget. He discussed parts of the resolution. The budget had been recommended by the Finance Committee on May 13, 2024.

Ms. Cole-Hansen moved to adopt the resolution. Mr. McMahon seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 7: Water Management Account and ARPA Spending Plans

Cynthia Bridge Clark provided an update on Water Management Account funds and ARPA spending plans. Staff recommended that the Finance Committee meet in June to review spending plans and update costs.

Agenda Item No. 8: Aging Infrastructure Grant Criteria Update

Neeley Miller provided a draft resolution that the Finance Committee had recommended at the May 13th meeting to update Aging Infrastructure Grant Criteria.

Mr. Van Stone moved to adopt the resolution. Mr. Olmstead seconded. Voice vote: 7 ayes, Mr. Barker, abstained. The motion passed.

Agenda Item No. 9: Anderson Ranch Dam Raise

Cynthia Bridge Clark introduced Bryan Horsburgh, of the Bureau of Reclamation, who provided updates on the Anderson Ranch Dam Raise project. He mentioned that updated cost estimates would be forthcoming after a meeting with the Regional Director in early June.

Agenda Item No. 10: Priest Lake Outlet Dam

a. Operations and Maintenance Contracts

Mike Morrison discussed a resolution to provide funding for operations and maintenance contracts of the Priest Lake outlet dam. He stated the costs would be \$150,000 over 5 years.

Mr. Van Stone moved to adopt the resolution. Mr. Barker seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

b. Construction Litigation

Mike Morrison provided a resolution to provide \$280,000 for litigation costs in the Priest Lake construction litigation.

Mr. Olmstead moved to approve the resolution Mr. Stevenson seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 11: Regional Water Sustainability Projects List Update

Neeley Miller discussed an update to the Regional Water Sustainability Projects List that was first presented to the Storage Committee on May 6th and then to the Finance Committee on May 13th. The update adds Upper Payette Basin Storage Project to the list.

Mr. Barker moved to adopt the resolution. Mr. Gibbs seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 12: Loan Program

a. Farmers' Land & Irrigation Company

Justin Ferguson discussed a loan of \$185,333 with an interest rate of 8.5% for a 15-year term for Farmers Land & Irrigation Company. He highlighted conditions on the resolution.

Mr. Gibbs moved to adopt the resolution. Mr. Stevenson seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

b. Boise City Canal Company Loan Extension

Justin Ferguson discussed a loan extension request from Boise City Canal Company. The resolution would extend CONTRACT IWRB1041 to December 2025.

Mr. Stevenson moved to approve the resolution Mr. Gibbs seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 13: Director's Report

Director Weaver mentioned issues with structural integrity on Albeni Dam. He addressed concerns with potential interference with treaties in Canada and Idaho water allocations. Also, he recently spent time in the Potlach drainage area and suggested that requests for managed resources will likely rise. He further shared concerns with timelines for the MHAFB water right application. Finally, he provided an update on the delivery calls on the ESPA.

Mr. Barker asked for an update on Basin 37. Mr. Weaver mentioned that the committee met last week. They plan to resubmit in October/November timeframe. Mr. Barker asked if the CEIF would continue. Mr. Olmstead suggested that it likely would.

Agenda Item No. 14: Non-Action Items for Discussion

Mr. Van Stone said he planned to attend the Albeni Dam meeting. Mr. Olmstead mentioned that spring measurements on sentinel wells would be appreciated. Ms. Cole Hansen mentioned a June Finance Committee meeting. Mr. Gibbs mentioned the next meetings would be held in Soda Springs.

Agenda Item No. 15: Next Meeting and Adjourn

Mr. Barker moved to adjourn. Mr. Stevenson seconded. Voice vote. All ayes. Motion carried. Meeting adjourned at 11:00 AM (PT).

Respectfully submitted this 26th day of July 2024.

Dean Stevenson, *Secretary*

Jennifer Strange, *Administrative Assistant II*



IDAHO WATER RESOURCE BOARD

Brad Little
Governor

Jeff Raybould
Chairman
St. Anthony
At Large

Jo Ann Cole-Hansen
Vice Chair
Lewiston
At Large

Dean Stevenson
Secretary
Paul
District 3

Dale Van Stone
Hope
District 1

Albert Barker
Boise
District 2

Brian Olmstead
Twin Falls
At Large

Marcus Gibbs
Grace
District 4

Patrick McMahon
Sun Valley
At Large

MINUTES MEETING NO. 7-24

Water Center
Conference Room 602 C & D
322 E. Front Street
BOISE

July 1, 2024
Special Board Meeting No. 7-24

At 1:00 PM(MT) Chairman Raybould called the meeting to order in Boise, Idaho. The meeting was livestreamed on the Board's YouTube Channel, following the executive session. Online participants joined via Zoom.

Agenda Item No. 1: Roll Call

Board Members Present

Albert Barker—in person
Jo Ann Cole-Hansen, Vice Chairman—in person
Marcus Gibbs—online
Patrick McMahon—online
Brian Olmstead—in person
Dean Stevenson, Secretary—online
Dale Van Stone—online
Jeff Raybould, Chairman—in person

Staff Members Present

Brian Patton, Executive Manager
Cynthia Bridge Clark, Bureau Chief
Wesley Hipke
Justin Ferguson
Meghan Carter
Jennifer Strange

Guests Present

Ann Yribar
Barney Metz

Agenda Item No. 2: Executive Session

Mr. Stevenson moved to resolve into executive session pursuant to Idaho Code 74-206(1) subsection (f) to communicate with legal counsel regarding legal ramifications of and legal options for pending litigation or controversies not yet being litigated but imminently likely to be litigated. Mr. Barker seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Ann Yribar spoke on the topic of MHAFB Project water rights.

Mr. Stevenson moved to resolve out of executive session at 1:28 PM. Mr. Barker seconded. Voice vote. All in favor. The motion carried. The meeting was closed to the public, and no actions were taken during the executive session.

Agenda Item No. 3: Water Management Account and ARPA Spending Plans

Cynthia Bridge Clark discussed spending plans that the Finance Committee meeting recommended for the ARPA Funds. The total amount in the spending plan is \$250,000.00. She read through a draft resolution.

Mr. Olmstead moved to adopt the resolution. Mr. McMahon seconded. Roll call vote: Mr. Barker, aye with mention of conflict; Ms. Cole-Hansen, aye, with mention of conflict; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Cynthia Bridge Clark discussed a draft resolution for the Water Management Account spending plans. The Finance Committee recommended the same at a July 1st meeting. The spending plan was attached to the resolution.

Mr. Van Stone moved to adopt the resolution. Mr. Olmstead seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 4: Lewiston Orchards Exchange Project

Neeley Miller discussed a draft resolution to approve funding for the Lower Clearwater Exchange Project in the amount of \$28,000,000. Mr. Barney Metz shared appreciation for consideration. The Finance Committee recommended the funding and the terms and conditions.

Mr. Barker moved to adopt the resolution. Mr. Gibbs seconded. Roll call vote: Mr. Barker, aye; Ms. Cole-Hansen, abstain; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 7 ayes. The motion passed.

Agenda Item No. 5: New York Canal Rehabilitation Project Update

Neeley Miller discussed a draft resolution to approve funding for the New York Canal Rehabilitation project in the amount of an additional \$25,000,000. The Finance Committee recommended the funding and the terms and conditions.

Ms. Cole-Hansen moved to adopt the resolution. Mr. Van Stone seconded. Roll call vote: Mr. Barker, abstain; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 7 ayes. The motion passed.

Agenda Item No. 6: Regional Water Sustainability Project List Update

Neeley Miller mentioned that the priority list would need to be updated due to the adopted funding plans and add approved projects to the list. He named other specific items that would be updated. The newest list would be finalized and posted to the website right away.

Agenda Item No. 7: IWRB Commitment of Storage Water Pursuant to IGWA/SWC Agreement

Brian Patton discussed an issue in the IGWA/SWC agreement that would involve the Board's storage water. He shared a draft resolution that would authorize expenditure of up to \$260,000 to cover the cost of rental of water through the Water District 01 Rental Pool, including Water District administrative fees, but waives the IWRB surcharge fee.

Mr. Gibbs moved to adopt the resolution. Mr. Stevenson seconded. Roll call vote: Mr. Barker, aye with explanation that others in his firm are involved in the agreement; Ms. Cole-Hansen, aye; Mr. Gibbs, aye; Mr. McMahon, aye; Mr. Olmstead, aye; Mr. Stevenson, aye; Mr. Van Stone, aye; and Chairman Raybould, aye. 8 ayes. The motion passed.

Agenda Item No. 8: Non-Action Items for Discussion

There were no other items.

Agenda Item No. 9: Next Meeting and Adjourn

Mr. Olmstead moved to adjourn. Ms. Cole-Hansen seconded. Voice vote. All ayes. Motion carried. Meeting adjourned at 2:05 PM (MT).

Respectfully submitted this 26th day of July 2024.

Dean Stevenson, *Secretary*

Jennifer Strange, *Administrative Assistant II*

Memorandum

To: Idaho Water Resource Board
From: Staff
Date: July 22, 2024
Re: Financial Status Report



The financial report for the Idaho Water Resource Board's (IWRB) Secondary Aquifer Planning, Management, and Implementation Fund (Secondary Aquifer Fund), Revolving Development Account, and Water Management Account, reconciled as of **June 31, 2024**, will be posted in the IWRB's July meeting materials and staff will provide a briefing at the July 26 regular meeting.

Memorandum

To: Idaho Water Resource Board
From: Neeley Miller, Planning & Projects Bureau
Date: July 24, 2024
Re: Financial Status Report



As of June 30th 2024 the IWRB's available and committed balances are as follows:

Secondary Aquifer Fund:

Cash Balance	\$34,597,697
Committed/earmarked but not disbursed	\$24,396,775
Uncommitted Balance	\$10,200,922

Revolving Development Account:

Cash Balance	\$38,154,238
Committed Balance	\$32,602,282
Loan principal outstanding	\$18,603,981
Uncommitted Balance	\$5,551,955

Water Management Account

Cash Balance	\$293,130,493
Total Obligated Funds	\$178,430,325
Unobligated Funds	\$114,700,167

Total committed/earmarked/obligated but not disbursed	\$235,429,382
Total loan principal outstanding	\$18,603,981
Total uncommitted/unobligated balance	\$130,453,044

ARPA

Appropriations

Received per HB 769 (2022)	\$100,000,000
Received per SB 1181 (2023)	\$24,497,543
Received per SB 1411 (2024)	\$ _____*
Total Received to date	\$124,497,543**

Total Expended	\$89,956,697
Obligated (but not yet expended)	<u>\$70,311,350</u>
Total Obligated	\$160,268,047

Obligated (but appropriation not yet received)	(\$35,770,503)
--	----------------

- The obligated balance in the Water Management Account includes the \$20M legislative appropriation per HB 285 (FY 2019) for the Anderson Reservoir Enlargement and/or Mountain Home Air Force Base Water Supply Project. The obligated balance also includes \$50M for large infrastructure projects per Senate Bill 1121 (FY 2021) for the Anderson Ranch enlargement, Mountain Air Force Base Water Supply Project, ESPA Managed Aquifer Recharge Program, other projects identified by the IWRB.
- The Water Management Account unobligated balance also includes \$150M per HB 361 to be used for expenditures, loans, or grants for water projects, including studies to address water sustainability, rehabilitate or improve aging water infrastructure, or support flood management. The legislature indicated that the IWRB may provide up to one-third of this money for grants.

** ARPA appropriation for FY 2024 of \$25M has not yet been received*

***Anticipate ARPA appropriation for FY 2025 of \$50,000,000 to be received on or shortly after July 1, 2024; Anticipate ARPA appropriation for FY 2026 of \$50,000,000 to be received on or shortly after July 1, 2025*

Idaho Water Resource Board
Sources and Applications of Funds
as of June 30, 2024

SECONDARY AQUIFER PLANNING, MANAGEMENT, & IMPLEMENTATION FUND

Legislative Appropriation (HB 291, Sec 2) Transfer from Rev Dev FY2011.....	2,465,300.00
Legislative Appropriation (SB 1389, Sec 5) Transfer from Rev Dev FY 2012.....	1,232,000.00
Legislative Appropriation (HB 270, Sec 3) Transfer from Rev Dev FY2013.....	716,000.00
Water User Contributions.....	109,493.16
Interest Earned State Treasury.....	4,168,924.37
Loan Interest.....	15,861.10
Magic Valley/North Snake GWD Principal Payment (Magic Springs Pipeline Project loan).....	4,000,000.00
Magic Valley/North Snake GWD (Magic Springs Pipeline Project loan).....	(4,000,000.00)
Water User Contribution Expenditures.....	(106,537.50)
Conversion Project (AWEP) measurement devices.....	(16,455.21)
Cloud Seeding Project.....	(20,000.00)
Public Information Services.....	(13,641.25)
Five-Year Managed Recharge Pilot Program.....	(1,424,113.56)
Cooperative Weather Modification Program (CON01109).....	(483,997.64)
Mountain Home Air Force Base (MHAFB) Water Sustainability Project.....	(1,238,945.67)
Carryforward to SRAS Sub-Account.....	(1,222,548.45)
Total Expenditures for HB291, Sec 2; SB1389, Sec 5; HB270, Sec 3; Other Contributions.....	(8,526,239.28)
Balance of HB291, Sec 2; SB1389, Sec 5; HB270, Sec 3; Other Contributions.....	4,181,339.35

Committed Funds	<u>Committed</u>	<u>Expended</u>	<u>Uncommitted</u>	<u>Balance</u>
HB291 Sec 2, SB1389 Sec 5 & HB270 Sec 3				
Cooperative Weather Modification Program (CON01109).....	492,000.00	(483,997.64)	(8,002.36)	0.00
MHAFB Water Sustainability Project.....	1,900,000.00	(1,238,945.67)	(661,054.33)	0.00
Balance of Committed Funds for HB291, SB1389, HB270.....	2,392,000.00	(1,722,943.31)	(8,002.36)	0.00

State Recharge & Aquifer Stabilization (SRAS) Sub-Account

Legislative Appropriation (HB547) State Recharge & Aquifer Stabilization.....	49,999,968.00
Recharge Payments - City of Pocatello.....	91,364.00
Carryforward from Recharge Infrastructure Projects Sub-Account.....	2,151,238.59
SRAS Operations - 29822.....	(722,211.88)
SRAS Recharge Conveyance - 29823.....	(17,638,329.64)
SRAS Studies - 29824.....	(807,171.65)
SRAS Projects - 29825.....	(11,586,593.18)
SRAS Monitoring - 29826.....	(2,313,962.80)
SRAS Hydrology Monitoring - 29827.....	(1,409,744.40)
SRAS Grants - 29828.....	0.00
Total Expenditures for HB547 - SRAS.....	(34,478,013.55)
Balance for State Recharge & Aquifer Stabilization Sub-Account.....	17,764,557.04

Committed Funds	<u>Committed</u>	<u>Expended</u>	<u>Uncommitted</u>	<u>Balance</u>
HB547				
SRAS Operations - 29822.....	1,448,880.00	(722,211.88)	(625,439.35)	101,228.77
SRAS Recharge Conveyance - 29823.....	27,750,000.00	(17,638,329.64)	(816,351.70)	9,295,318.66
SRAS Studies - 29824.....	7,923,568.00	(807,171.65)	(4,630,809.87)	2,485,586.48
SRAS Projects - 29825.....	38,317,958.50	(11,586,593.18)	(25,938,466.36)	792,898.96
SRAS Monitoring - 29826.....	3,744,500.00	(2,313,962.80)	(777,571.43)	652,965.77
SRAS Hydrology Monitoring - 29827.....	1,925,000.00	(1,409,744.40)	(260,990.17)	254,265.43
SRAS Grants - 29828.....	0.00	0.00	0.00	0.00
Total HB547 Commitments.....	81,109,906.50	(34,478,013.55)	(33,049,628.88)	13,582,264.07

Water Sustainability (WS) Sub-Account

Legislative Appropriation (SB1190, Sec 3) Water Sustainability.....	500,000.00
Legislative Appropriation (SB1402, Sec 4) Water Sustainability.....	2,500,000.00
Legislative Appropriation (SB1402, Sec 5) Water Sustainability.....	5,000,000.00
Legislative Appropriation (SB1176, Sec 4) Water Sustainability.....	5,000,000.00
Legislative Appropriation (HB677, Sec 4) Water Sustainability.....	5,000,000.00
Legislative Appropriation (HB256, Sec 4) Water Sustainability.....	5,000,000.00
Legislative Appropriation (HB646, Sec 4) Water Sustainability.....	4,750,000.00
Legislative Appropriation (SB1190, Sec 4) Water Sustainability.....	5,000,000.00
Legislative Appropriation (HB769, Sec 4) Water Sustainability.....	5,000,000.00
Legislative Appropriation (SB1181, Sec 4) Water Sustainability.....	5,000,000.00
Carryforward from North Idaho Studies Sub-Account.....	109,351.82

WS Administration - 29840.....	(1,424,606.81)	
WS Operations - 29842.....	0.00	
WS Recharge Conveyance - 29843.....	0.00	
WS Studies - 29844.....	(6,692,033.54)	
WS Projects - 29845.....	(1,381,373.64)	
WS Monitoring - 29846.....	0.00	
WS Hydrology Monitoring - 29847.....	(2,776,962.56)	
WS Hydrology Modeling - 29848.....	(2,639,817.90)	
WS Grants - 29849.....	(119,196.03)	
WS Programs - 29850.....	(109,583.72)	
WS Clouds - 29860.....	(14,966,081.91)	
Total Expenditures for Water Sustainability.....	(30,109,656.11)	
Balance for Water Sustainability (WS) Sub-Account.....	12,749,695.71	

Committed Funds	Committed	Expended	Uncommitted	Balance
SB1190 & SB1402				
WS Admin & Operations - 29840 & 29842.....	1,485,000.00	(1,424,606.81)	(70,976.70)	(10,583.51)
WS Recharge Conveyance - 29843.....	0.00	0.00	0.00	0.00
WS Studies - 29844.....	9,484,403.00	(6,692,033.54)	(1,021,827.63)	1,770,541.83
WS Projects - 29845.....	4,324,659.00	(1,381,373.64)	(1,838,652.31)	1,104,633.05
WS Monitoring - 29846.....	0.00	0.00	0.00	0.00
WS Hydrology Monitoring - 29847.....	4,308,352.82	(2,776,962.56)	(972,832.50)	558,557.76
WS Hydrology Modeling - 29848.....	2,700,000.00	(2,639,817.90)	0.00	60,182.10
WS Grants - 29849.....	600,000.00	(119,196.03)	(480,803.97)	0.00
WS Programs - 29850.....	200,000.00	(109,583.72)	0.00	90,416.28
WS Clouds - 29860.....	23,287,000.00	(14,966,081.91)	(1,164,400.00)	7,156,518.09
Balance for SB1190 & SB1402.....	46,389,414.82	(30,109,656.11)	(5,549,493.11)	10,730,265.60

Department of Energy SEP Grants Sub-Account - 29870 & 29871

Department of Energy Grant Reimbursement (\$251K).....	251,000.00	
Department of Energy Grant Reimbursement (ESPA).....	928,000.00	
Department of Energy Grant Reimbursement (Big Lost).....	1,140,000.00	
Department of Energy Grant Reimbursement (Raft River).....	649,859.74	
Department of Energy Grant Expenditures (\$251K).....	(251,000.00)	
Department of Energy Grant Expenditures (29871 - ESPA).....	(928,000.00)	
Department of Energy Grant Expenditures (29872 - Big Lost).....	(1,140,000.00)	
Department of Energy Grant Expenditures (29874 - Raft River).....	(747,754.36)	
Balance of DOE SEP Grants Sub-Account.....	(97,894.62)	

Funds Awarded	Total Award	Expended	Uncommitted	Balance
Dept of Energy SEP Award				
DOESEP (2017-2018).....	251,000.00	(251,000.00)	0.00	0.00
ESPA Hydrologic Monitoring (DOE - Years 1-3 = \$928,000).....	928,000.00	(928,000.00)	0.00	0.00
Hydrologic Monitoring (DOE - Years 1-3 = \$1.14M).....	1,140,000.00	(1,140,000.00)	0.00	0.00
Raft River Hydrologic Monitoring (DOE - Years 1-3 = \$832K).....	832,000.00	(747,754.36)	0.00	84,245.64
Balance of DOE Funds Awarded.....	3,151,000.00	(3,066,754.36)	0.00	84,245.64

Secondary Aquifer Planning, Management, and Implementation Committed Funds..... 24,396,775.31

Secondary Aquifer Planning, Management, and Implementation Available Funds..... 10,200,922.17

IDAHO WATER RESOURCE BOARD
Sources and Applications of Funds
as of June 30, 2024

REVOLVING DEVELOPMENT ACCOUNT

Original Appropriation (1969).....	\$500,000.00	
Legislative Appropriation FY90-91.....	\$250,000.00	
Legislative Appropriation FY91-92.....	\$280,700.00	
Legislative Appropriation FY93-94.....	\$500,000.00	
Legislative Appropriation 2001, SB1239.....	\$200,000.00	
Legislative Appropriation 2004, HB843, Sec 12.....	\$500,000.00	
Loan Interest.....	\$14,784,282.47	
Interest Earned State Treasury (Transferred).....	\$3,576,081.14	
Water Supply Bank Receipts.....	\$10,937,272.29	
Transferred to/from Water Management Account.....	\$317,253.80	
Filing Fee Balance.....	\$47,640.20	
Bond Fees.....	\$1,467,101.45	
Series 2000 (Caldwell/New York) Pooled Bond Issuers fees.....	\$43,657.93	
2012 Ground Water District Bond Issuer fees.....	\$366,000.00	
Bond Issuer fees.....	\$17,407.59	
Pierce Well Easement.....	\$2,000.00	
Transfer from Aqualife Hatchery Sub-Account.....	\$1,117,800.85	
Transfer from Pristine Springs Sub-Account.....	\$554,882.10	
TOTAL REVENUE.....		35,462,079.82
Legislative Audits.....	(\$49,404.45)	
IWRB Bond Program.....	(\$25,900.00)	
IWRB Studies and Projects.....	(\$249,067.18)	
Arbitrage Calculation Fees.....	(\$14,000.00)	
Protest Fees.....	(\$995.00)	
Attorney fees for Jughandle LID (Skinner Fawcett).....	(\$3,600.00)	
Attorney fees for A&B Irrigation (Skinner Fawcett).....	(\$4,637.50)	
Lemhi Basin Protest Costs - (Attorney General's Office).....	(\$32,279.54)	
Weiser Galloway Study - US Army Corps of Engineers.....	(\$1,554,918.51)	
Boise River Storage Feasibility Study.....	(\$333,000.00)	
Geotech Environmental (Transducers).....	(\$6,402.61)	
Priest Lake Improvement Study (16-Mar-16).....	(\$917,725.21)	
Priest Lake Construction Project Contribution.....	(\$830,864.50)	
Treasureton Irrigation Ditch Co.....	(\$5,000.00)	
Balance of Outstanding Loans.....	(\$17,651,347.59)	
TOTAL EXPENDITURES.....		(\$21,679,142.09)
CASH BALANCE OF MISCELLANEOUS PROJECTS.....		\$13,782,937.73

Ririe Reservoir Flood Control

Transfer to Ririe Reservoir Flood Control (SB1190, Sec 7).....	\$4,203,829.73
Rule Curve Modification Expenditures (Mitigation Inc CON01561).....	(\$1,051,083.24)

Cash Balance Ririe Reservoir Flood Control Project..... \$3,152,746.49

Committed Funds

Mitigation Inc (CON01561).....	\$448,695.76
TOTAL COMMITTED FUNDS.....	\$448,695.76

Uncommitted Ririe Reservoir Flood Control..... \$2,704,050.73

Minidoka Dam Enlargement/Teton Dam Replacement Studies (29510)

Legislative Appropriation 2008, SB1511 Sec 2, Minidoka/Teton Studies.....	\$1,800,000.00
Legislative Appropriation 2008, SB1511 Sec 2, Minidoka Studies Expenditures.....	(\$1,229,460.18)

Balance for Minidoka Dam Enlargement/Teton Dam Replacement Studies..... \$570,539.82

Committed Funds

Minidoka Dam Enlargement/Teton Dam Replacement Studies.....	\$570,539.82
TOTAL COMMITTED FUNDS.....	\$570,539.82

Uncommitted for Minidoka Dam Enlargement/Teton Dam Replacement Studies..... \$0.00

Priest Lake Water Management Project (29521)

Legislative Appropriation (2018, HB 677 Sec 5).....	\$2,400,000.00
Legislative Approval (2018, HB 677 Sec 6).....	\$2,419,580.50
Transfer to Priest Lake Construction Project.....	(\$4,169,135.50)
Bonner County Contribution.....	\$160,000.00
Sandpiper Shores Contribution.....	\$10,000.00
Legislative Approval (2020, HB 645 Sec 7).....	\$410,000.00
Interest Earned State Treasury.....	\$243,662.58

Total Priest Lake Water Management Project Revenue..... \$1,474,107.58

Contract Expenditures - Mott MacDonald (CON01426).....	(\$638,162.35)
Dam Operator Contracts.....	(\$55,158.52)
Misc Expenditures.....	(\$37,070.00)

Total Priest Lake Water Management Project Expenditures..... (\$730,390.87)

Cash Balance Priest Lake Water Management Project..... \$743,716.71

Committed Funds

Dam Operator Contracts (CON01445, CON01453, CON01454).....	\$0.00
Dam Operator Contracts (CON01541, CON01542).....	\$24,923.54
Mott MacDonald Contract (CON01426).....	\$0.00
TOTAL COMMITTED FUNDS.....	\$24,923.54

Uncommitted Priest Lake Water Management Project Balance..... \$718,793.17

Priest Lake Construction Project (29522)

Transfer to Priest Lake Construction Project.....	\$4,169,135.50
Contribution from Uncommitted Funds.....	\$830,864.50
Additional Approved Funds.....	
Local Contribution.....	\$0.00

Total Priest Lake Construction Project Revenue..... \$5,000,000.00

Mott MacDonald Expenditures (CON01484).....	(\$1,743,011.52)
Strider Construction - Outlet Dam Expenditures (CON01480).....	(\$1,184,270.75)
Strider Construction - Thorofare Expenditures (CON01481).....	(\$2,052,265.86)
Builder's Risk Insurance.....	(\$41,879.00)
Butler Spink LLP (CON01597).....	(\$2,175.00)
IDL Mineral Lease.....	(\$2,160.00)
Legal Advertisement.....	(\$733.58)
Travel and Misc Costs.....	(\$4,443.54)
Kirton McConkie (CON01615).....	(\$46,588.76)

Northbank Civil & Marine.....	\$0.00	
Total Priest Lake Construction Project Expenditures.....		(\$5,077,528.01)
Cash Balance Priest Lake Construction Project.....		(\$77,528.01)
Committed Funds		
Mott MacDonald Contract (CON01484).....	\$65,436.72	
Strider Construction - Outlet Dam (CON01480).....	\$0.00	
Strider Construction - Thorofare (CON01481).....	\$0.00	
Construction Contingency (Kirtan McConkie - CON01615).....	\$0.00	
TOTAL COMMITTED FUNDS.....	\$65,436.72	
Uncommitted Priest Lake Construction Project Balance.....		(\$142,964.73)
Bell Rapids Water Rights Sub-Account		
Legislative Appropriation 2005, HB392.....	\$21,300,000.00	
Bureau of Reclamation Payments Received.....	\$29,446,335.46	
Remaining balance in ESPA Sub-Account.....	\$341,759.55	
Water Supply Bank Payments - Owner's Share.....	\$97,857.00	
Interest Earned State Treasury.....	\$698,613.04	
Total Bell Rapids Water Rights Sub-Account Revenue.....		\$51,884,565.05
Bell Rapids Purchase.....	(\$22,041,697.55)	
Transfer to General Fund - P&I.....	(\$22,072,052.06)	
Payment to US Bank for Alternative Financing Note.....	(\$7,118,125.86)	
Payment for Water District 02 Assessments.....	(\$151,218.29)	
Payment for Ongoing Bell Rapids Finance Costs (trustee fees, water bank,.....	(\$6,740.10)	
Total Bell Rapids Water Rights Sub-Account Expenditures.....		(\$51,389,833.86)
Cash Balance Bell Rapids Water Rights Sub-Account.....		\$494,731.19
Committed Funds		
Ongoing Bell Rapids Finance Costs (trustee fees, WD02).....	\$412,885.69	
TOTAL COMMITTED FUNDS.....	\$412,885.69	
Uncommitted Bell Rapids Water Rights Sub-Account Balance.....		\$81,845.50
Pristine Springs Project Sub-Account		
Rental Payments to be Transferred to Secondary Aquifer Fund.....	\$961,675.10	
Loan Interest.....	\$3,228,868.30	
Loan Principal from Magic Valley & North Snake GWD.....	\$8,098,798.84	
Total Pristine Springs Project Revenue to be Transferred.....		\$12,289,342.24
Total Pristine Springs Project Revenue Transferred to 0129-01.....	(\$5,129,300.00)	
Total Pristine Springs Project Revenue Transferred to 0129.....	(\$6,444,000.00)	
Total Pristine Springs Project Sub-Account Transfers.....		(\$11,573,300.00)
Cash Balance Pristine Springs Sub-Account.....		\$716,042.24
Pristine Springs Committed Funds		
Loan Payments to be transferred to 0129.....	\$0.00	
TOTAL COMMITTED FUNDS.....	\$0.00	
Loans Outstanding for Purchase of PS Water Rights		
Loan to North Snake & Magic Valley GWD.....	\$10,000,000.00	
Payments from North Snake & Magic Valley GWD.....	(\$7,512,101.09)	
Total Loans Outstanding.....	\$2,487,898.91	
Uncommitted Pristine Springs Sub-Account.....		\$716,042.24
Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account		
Pristine Springs Hydropower and Rental Revenues.....	\$271,672.34	
Interest Earned State Treasury.....	\$573.11	
Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account Revenue.....		\$272,245.45
Spokane River Forum.....	(\$23,000.00)	
Treasure Valley Water Quality Summit.....	(\$500.00)	
Kootenai-Shoshone Soil & Water Cons. Dist. - Agrimet Station.....	(\$20,000.00)	
Rathdrum Prairie-Spokane Valley Aquifer Pumping Study (CON00989).....	(\$70,000.00)	
Idaho Washington Aquifer Collaborative.....	(\$10,000.00)	
Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account Expenditures.....		(\$123,500.00)
Cash Balance Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account.....		\$148,745.45
Committed Funds		
Spokane River Forum.....	\$0.00	
TOTAL COMMITTED FUNDS.....	\$0.00	
Uncommitted Rathdrum Prairie CAMP & TV CAMP Sub-Account.....		\$148,745.45
Upper Salmon/CBWTP Sub-Account		
Water Transaction Projects Payment Advances from CBWTP/Accord.....	\$6,745,469.03	
PCSRF Funds for Admin of Non-Diversion Easements on Lemhi River.....	\$216,584.46	
Interest Earned State Treasury.....	\$577,134.49	
Upper Salmon/CBWTP Sub-Account Revenue.....		\$7,539,187.98
Transfer to Water Supply Bank.....	(\$129,812.92)	
Change of Ownership.....	(\$600.00)	
Appraisals/Closing Costs.....	(\$14,155.98)	
Payments for Water Acquisition.....	(\$4,310,214.89)	
Upper Salmon/CBWTP Sub-Account Expenditures.....		(\$4,454,783.79)
Cash Balance CBWTP Sub-Account.....		\$3,084,404.19
Committed Funds		
Administration of Non-Diversion Easements on Lemhi River.....	\$124,125.61	
Bar G Farms (Pahsimeroi- Little Mud).....	(\$16.48)	
Bayhorse Creek (Peterson Ranch).....	\$19,920.49	
Badger Creek (OWBP) WSB.....	\$2,389.10	
Beaver Creek (DOT LLP).....	\$87,174.78	
Big Timber Tyler Phase I (Leadore Land Partners).....	\$255,235.36	
Big Timber Tyler Phase II (Leadore Land Partners).....	\$77,007.29	
Bohannon Creek DJ (Barbara Stokes).....	\$702,103.29	
Bohannon Creek BS (Betty Stokes).....	\$345,263.45	
Canyon Creek/Big Timber Creek (Beyeler).....	\$255,338.46	
Carmen Creek (Bill Slavin).....	\$160,621.08	
Carmen Creek (Bruce Slavin).....	\$100,790.99	
Fourth of July Creek (Defiance Investments).....	\$9,745.34	
Iron Creek (Koncz).....	\$79,662.11	
Knapp Creek (Cape Horn Ranch LLC).....	\$0.00	
Kenney Creek Source Switch (Gail Andrews).....	\$16,030.29	
Lemhi - Big Springs (Merrill Beyeler).....	\$39,604.25	
Lemhi River & Little Springs Creek Kauer (McFarland Livestock Co).....	\$12,282.38	
Little Springs Creek (Snyder).....	\$164,276.81	
Lower Eighteenmile Creek (Ellsworth Angus Ranch).....	\$1,777.78	
Lower Lemhi Thomas (Robert Thomas).....	\$900.00	
P-9 Bowles (River Valley Ranch).....	\$124,277.51	
P-9 Charlton (Sydney Dowton).....	\$8,279.45	
P-9 Dowton (Western Sky LLC).....	\$99,214.13	

P-9 Elzinga (Elzinga).....	\$122,719.75	
Patterson-Big Springs PBSC9 (Silver Bit Angus/S Whitworth).....	\$115,327.11	
Pole Creek (Salmon Falls Land).....	\$490,890.76	
Pratt Creek (Mulkey).....	\$66,062.62	
Spring Creek (Richard Beard).....	\$1,562.61	
Spring Creek (Ella Beard).....	\$2,285.76	
Whitefish (Leadore Land Partners).....	\$62,140.04	
Total Committed Funds.....	\$3,546,992.12	
Uncommitted CBWTP Sub-Account Balance.....		(\$462,587.93)
Water Supply Bank Sub-Account		
Interest Earned State Treasury.....	\$86,064.81	
Payments received from renters.....	\$7,425,977.56	
Payments made to owners.....	(\$6,653,264.97)	
Cash Balance Water Supply Bank Sub-Account.....		\$858,777.40
Committed Funds:		
Owners Share.....	\$733,513.89	
Total Committed Funds.....	\$733,513.89	
Uncommitted Water Supply Bank Sub-Account Balance.....		\$125,263.51
Eastern Snake Plain Sub-Account		
Legislative Appropriation 2005, HB392.....	\$7,200,000.00	
Legislative Appropriation 2005, HB392, CREP Program.....	\$3,000,000.00	
Interest Earned State Treasury.....	\$2,198,217.56	
Loan Interest.....	\$310,626.68	
Reimbursement from Commerce & Labor W-Canal.....	\$74,709.77	
Reimbursement from MVGWD & NSGWD-Pristine Springs.....	\$1,000,000.00	
Reimbursement from Water District 1 for Recharge.....	\$159,764.73	
Reimbursement from BOR for Palisades Reservoir.....	\$2,381.12	
Black Canyon Exchange Project Revenues.....	\$23,800.00	
Eastern Snake Plain Sub-Account Revenue.....		\$13,969,499.86
Installment payments to Bell Rapids Irr Co.....	(\$3,375,180.00)	
Interest Credit due to Bureau of Reclamation (Part of Fourth Installment) ...	(\$19,860.45)	
Pristine Springs Project Costs.....	(\$6,863.91)	
Palisades (FMC) Storage Costs.....	(\$3,537,368.98)	
W-Canal Project Costs.....	(\$326,834.11)	
Black Canyon Exchange Project Costs.....	(\$261,352.00)	
2008 Recharge Conveyance Costs.....	(\$14,580.00)	
2009 Recharge Conveyance Costs.....	(\$355,253.00)	
2010 Recharge Conveyance Costs.....	(\$484,231.62)	
2008-2010 Recharge Conveyance Costs.....	(\$854,064.62)	
Additional recharge projects preliminary development.....	(\$7,919.75)	
Transfer to Bell Rapids Sub Account.....	(\$341,759.55)	
Transfer to Pristine Springs Sub Account.....	(\$1,000,000.00)	
Transfer to Priest Lake Sub-Account (2018 HB 677, Sec 6).....	(\$2,419,580.50)	
Eastern Snake Plain Sub-Account Expenditures.....		(\$12,150,783.87)
Cash Balance Eastern Snake Plain Sub-Account.....		\$1,818,715.99
Loans and Other Commitments		
Commitment - Additional recharge projects preliminary development.....	\$337,594.00	
Commitment - Palasades Storage O&M.....	\$3,221.64	
Commitment - Black Canyon Exchange Project (fund with ongoing revenue).....	\$442,252.95	
Total Loans and Other Commitments.....	\$783,068.59	
Eastern Snake Plain Sub-Account Balance after Commitments.....		\$1,035,647.40
CREP Loans Outstanding:		
American Falls-Aberdeen GWD (CREP).....	\$0.00	
Bonneville Jefferson GWD (CREP).....	(\$277.16)	
Magic Valley GWD (CREP).....	\$0.00	
North Snake GWD (CREP).....	\$0.00	
TOTAL ESP CREP LOANS OUTSTANDING.....	(\$277.16)	
Uncommitted Eastern Snake Plain Sub-Account Balance.....		\$1,035,924.56
Dworshak Hydropower Project		
Power Sales & Other.....	\$16,996,656.73	
Interest Earned State Treasury.....	\$1,716,506.92	
Total Dworshak Project Revenue.....		\$18,713,163.65
Operations & Maintenance.....	(\$4,124,945.52)	
Powerplant Repairs.....	(\$180,409.72)	
Capital Improvements.....	(\$318,366.79)	
FERC Payments.....	(\$148,076.88)	
Transferred to 1st Security Trustee Account FINAL.....	(\$148,542.63)	
Construction not paid through bond issuance FINAL.....	(\$226,106.83)	
First Security Fees FINAL.....	(\$314,443.35)	
Bond payoff FINAL.....	(\$391,863.11)	
Total Dworshak Project Expenditures.....		(\$5,852,754.83)
Cash Balance Dworshak Hydropower Project.....		\$12,860,408.82
Dworshak Project Committed Funds		
Emergency Repair/Future Replacement Fund.....	\$6,693,452.13	
FERC Fee Payment Fund.....	\$0.00	
Total Dworshak Project Committed Funds.....	\$6,693,452.13	
Uncommitted Dworshak Hydropower Project Sub-Account Balance.....		\$6,166,956.69
Loans Outstanding:	Amount Loaned	Principal Balance
A&B Irrigation District (Pipeline & Pumping Plant, Dec).....	\$3,500,000.00	\$2,207,486.89
A&B Irrigation District (Pipeline & Pumping Plant, Sept).....	\$3,500,000.00	\$2,371,045.18
Bannock Feeder Canal.....	\$335,110.00	\$335,110.00
Bee Line Water Association (Sep 23, 2014; System Improvements).....	\$600,000.00	\$450,333.33
Bennington Irrigation Company (Infrastructure replacement).....	\$117,184.82	\$39,330.51
Blaine County Canal Co.....	\$6,000,000.00	\$1,214,644.08
Boise Warm Springs Water District.....	\$2,810,000.00	\$1,507,364.88
Canyon County Drainage District No. 2 (28-Nov-12; Drain tile pipeline repla	\$35,000.00	\$0.00
Clearview Water Company.....	\$50,000.00	\$5,488.52
Cloverdale Ridge Water Corporation (Irrigation infrastructure).....	\$56,615.00	\$50,374.77
Conant Creek Canal Company.....	\$90,000.00	\$33,250.00
Consolidated Irrigation Company (July 20, 2012; pipeline project).....	\$500,000.00	\$306,369.03
Dalton Water Association.....	\$1,036,900.00	\$872.76
Evans Water Corporation & HOA.....	\$20,000.00	\$10,599.76
Falls Irrigation District.....	\$9,095,000.00	\$435,950.21
Foothill Ranch Homeowners Association (7-oct-11; well rehab).....	\$150,000.00	\$45,041.67

Goose Lake Reservoir Corp.....	\$320,000.00	\$160,371.39	
King Hill Water Corporation (Irrigation infrastructure replacement).....	\$1,500,000.00	\$1,500,000.00	
Lakeview Estate Subdivision HOA.....	\$65,000.00	\$34,455.88	
Last Chance Canal Company (14-July-2015, diversion dam rebuild).....	\$2,500,000.00	\$1,515,950.90	
Marsh Center Irrigating Company.....	\$700,000.00	\$664,999.71	
Milner Irrigation District (pipeline replacement).....	\$2,000,000.00	\$1,737,317.62	
North Side Canal Company (Phase 1 - canal rehab project).....	\$1,846,092.61	\$1,302,511.14	
Outlet Water Association (22-Jan-16; new well & improvements).....	\$100,000.00	\$37,870.76	
Picabo Livestock Co Inc.....	\$95,000.00	\$91,610.69	
Pinehurst Water District (23-Jan-15).....	\$100,000.00	\$0.00	
Pinehurst Water District.....	\$87,000.00	\$86,490.31	
Point Springs Grazing Association (July 20, 2012; stock water pipeline).....	\$48,280.00	\$281.52	
Point Springs Grazing Association.....	\$47,335.53	\$30,000.00	
Producers Irrigation Company.....	\$102,127.50	\$0.00	
Reynolds Irrigation District.....	\$250,000.00	\$154,106.06	
South Valley Ground Water District.....	\$150,000.00	\$95,816.55	
St. Johns Irrigating Company (14-July-2015; pipeline project).....	\$1,417,905.22	\$989,700.60	
Twin Lakes Canal Company (Winder Lateral Pipeline Project).....	\$500,000.00	\$0.00	
Valley County Local Improvement District No. 1/Jughandle HOA (well project)	\$907,552.00	\$236,880.03	
TOTAL LOANS OUTSTANDING.....		\$17,651,624.75	
Loans and Other Funding Obligations:			
Reserved for Future Loans.....		\$0.00	
Bannock Feeder Canal.....		\$0.00	
Barber Pool Hydro.....		\$850,670.00	
Blaine County Canal Co.....		\$3,701,235.91	
Boise City Canal Company.....		\$200,000.00	
Boise Warm Springs Water District.....		\$1,302,635.12	
Chester Canal & Irrigation Company.....		\$34,895.00	
Conant Creeek Canal Company.....		\$56,750.00	
Enterprize Canal Company.....		\$3,588,856.00	
Falls Irrigation District.....		\$8,659,049.79	
Lakeview Estates Subdivision HOA.....		\$30,544.12	
Marsh Center Irrigating Company.....		\$35,000.29	
Pinehurst Water District.....		\$509.69	
Point Springs Grazing Association.....		\$17,335.53	
Weiser Irrigation District.....		\$126,500.00	
TOTAL LOANS AND OTHER FUNDING OBLIGATIONS.....		\$18,603,981.45	
TOTAL CASH BALANCE.....			\$38,154,238.02
COMMITTED FUNDS AFTER LOAN OBLIGATIONS.....			(\$32,602,282.88)
UNCOMMITTED FUNDS AFTER LOAN OBLIGATIONS.....			\$5,551,955.14

Idaho Water Resource Board
Sources and Applications of Funds
as of June 30, 2024
WATER MANAGEMENT ACCOUNT

Original Appropriation (1978).....	\$1,000,000.00	
Transfer funds to General Account 1101(HB 130, 1983).....	(\$500,000.00)	
Legislative Appropriation (6/29/1984).....	\$115,800.00	
Legislative Appropriation (SB1239, 2001).....	\$200,000.00	
Interest Earned.....	\$128,077.64	
Filing Fee Balance.....	\$2,633.31	
Water Supply Bank Receipts.....	\$841,803.07	
Bond Fees.....	\$277,254.94	
Funds from DEQ and IDOC for Glenns Ferry Water Study.....	\$10,000.00	
Legislative Appropriation (HB988, 1994).....	\$75,000.00	
Reverted to General Account 6/30/95, (HB988, 1994).....	(\$35,014.25)	
Legislative Appropriation (SB1260, 1995, Aquifer Recharge, Caribou Dam).....	\$1,000,000.00	
Legislative Appropriation (SB1239, 2001, Sugarloaf Aquifer Recharge Project).....	\$60,000.00	
Reverted to General Fund 1/22/19, (SB1239, 2001, Sugarloaf Aquifer Recharge Project).....	(\$4,046.31)	
Legislative Appropriation (HB 843 Sec 6, 2004, ESPA Settlement Water Rentals).....	\$520,000.00	
Legislative Appropriation (SB1496, 2006, ESP Aquifer Management Plan).....	\$300,000.00	
Legislative Appropriation (HB 320, 2007, ESP Aquifer Management Plan).....	\$849,936.99	
Lemhi River Water Right Appraisals.....	(\$31,000.00)	
Legislative Audits.....	(\$10,645.45)	
WRB Appraisal Study (Charles Thompson).....	(\$5,000.00)	
Western States Water Council Annual Dues.....	(\$7,500.00)	
Transfer to/from Revolving Development Account.....	(\$317,253.80)	
Recharge Projects.....	(\$11,426.88)	
Grants Disbursed.....	(\$1,632,755.21)	
Obligated 1994 (HB988).....	(\$39,985.75)	
SB1260, Aquifer Recharge.....	(\$947,000.00)	
SB1260, Soda (Caribou) Dam Study.....	(\$53,000.00)	
Sugarloaf Aquifer Recharge Project (SB1239, 2001).....	(\$55,953.69)	
ESPA Settlement Water Rentals (HB 843, 2004).....	(\$504,000.00)	
ESP Aquifer Management Plan (SB1496, 2006).....	(\$300,000.00)	
ESP Aquifer Management Plan (HB320, 2007).....	(\$801,077.75)	
CASH BALANCE		\$124,846.86
Other Funding Obligations		
ESPA Settlement Water Rentals (HB 843, 2004).....	\$16,000.00	
Other Funding Obligations		\$16,000.00
Original Water Mgmt Account Unobligated Funds		\$108,846.86

Large Water Projects Program Sub-Account		
Legislative Appropriation (HB 285, Sec 1, 2019).....	\$20,000,000.00	
Legislative Appropriation (SB 1121, Sec 1, 2021).....	\$50,000,000.00	
Legislative Appropriation (HB 769, Sec 6, 2022).....	\$50,000,000.00	
Legislative Appropriation (HB 769, Sec 6, 2022-1/3 portion to be used for Aging Infrastructure Grants).....	\$25,000,000.00	
Legislative Appropriation (HB 361, Sec 1, 2023).....	\$100,000,000.00	
Legislative Appropriation (HB 361, Sec 1, 2023-1/3 portion to be used for Aging Infrastructure Grants).....	\$50,000,000.00	
Interest Earned State Treasury.....	\$16,097,634.12	
Total Revenue for Large Water Projects Program Sub-Account		\$311,097,634.12
Municipal Capital Markets Group Inc (CON01518).....	(\$8,102.50)	
Stipends for MHAFB Pipeline Project RFP.....	(\$104,000.00)	
DOI-BOR Agreement.....	(\$1,223,944.00)	
Priest Lake Outlet Dam Construction (Northbank Civil & Marine).....	(\$4,854,477.16)	
Priest Lake Outlet Dam - Litigation contract (CON1615).....	(\$853,762.00)	
Grants Disbursed for HB 769, Sec 6 - Aging Infrastructure Grants.....	(\$9,123,527.47)	
Regional Water sustainability Projects Expenditures.....	(\$4,138,920.00)	
Total Expenditures for Large Water Projects Program Sub-Account		(\$20,306,733.13)
Cash Balance for Large Projects Program Sub-Account		\$290,790,900.99

Large Water Projects Program Obligated Funds		
Aging Infrastructure Grants - HB 361, Sec 1.....	\$31,238,029.22	
Anderson Ranch Dam Raise Interim Funding.....	\$16,367,953.50	
Mountain Home Air Force Base Sustainable Water Project.....	\$27,896,000.00	
Eastern Snake Plain Aquifer Recharge Infrastructure.....	\$22,400,000.00	
Bear Lake Additional Water Storage.....	\$2,000,000.00	
Priest Lake Outlet Dam Construction (Northbank Civil & Marine).....	\$565,522.84	
Priest Lake Outlet Dam - Litigation contract (CON1615).....	\$331,238.00	
Total Large Water Projects Program Obligated Funds		\$100,798,743.56

Regional Water Sustainability Projects		
City of Nampa.....	\$3,000,000.00	
Gooding Flood Control Project.....	\$400,000.00	
North Fremont Canal Systems Phase 5 Pipeline Project.....	\$7,811,056.00	
Raft River Pipeline.....	\$7,000,000.00	
Treasure Valley Water Supply Assessment Project.....	\$155,500.00	
Palouse Basin Aquifer Water Supply.....	\$182,500.00	
Lewiston Orchards Irrigation District.....	\$888,030.00	
Lost Valley Reservoir Enlargement.....	\$560,000.00	
Water District 63.....	\$15,550.00	
Total Regional Water Sustainability Projects		\$20,012,636.00

	Grant Amount	Expenditures	Remaining Balance
Aging Infrastructure Program Grants (Round 1)			
Bannock Feeder Canal Co(CON01627 - Diversion Replacement).....	250,000.00	(\$250,000.00)	0.00
Big Lost River Irrigation Dist (CON01630 - Dam Repair).....	2,000,000.00	(\$380,537.51)	1,619,462.49
Boise Project Board of Control (CON01625 - New York Canal Lining).....	2,418,900.00		2,418,900.00
Chester Canal & Irrigation Company (CON01623 - Diversion Headgate).....	29,725.00	(\$29,725.00)	0.00
Dalton Gardens Irrigation District (CON01624 - Delivery Improvements).....	23,460.00	(\$21,756.55)	1,703.45
Enterprize Canal Company (CON01628 - Rehabilitation of Conveyance System).....	2,736,227.00	(\$2,584,350.00)	151,877.00
Falls Irrigation District (CON01629 - Pump Station Rehab).....	200,588.00	(\$200,588.00)	0.00
Fremont Madison Irrigation District (CON01621 - Headgate Modernization & Automation).....	58,200.00	(\$58,123.00)	77.00
King Hill Irrigation District (CON01620 - Pump Station & Closed Conduit).....	1,980,259.00	(\$1,980,259.00)	0.00
Nampa-Meridian Irrigation District (CON01637 - Ridenbaugh Canal Modernization).....	1,820,048.00		1,820,048.00
North Side Pumping Company (CON01626 - Pump Station/Canal Abandonment).....	951,800.00	(\$856,620.00)	95,180.00

Water District 63 (CON01622 - Monitoring System Upgrades).....	30,793.00	(30,793.00)	0.00
Balance for Aging Infrastructure Grants - Round 1.....	12,500,000.00	(6,392,752.06)	6,107,247.94
Aging Infrastructure Program Grants (Round 2)			
Big Lost Irrigation District.....	900,000.00	(100,680.32)	799,319.68
Boise City Canal Company.....	122,000.00	(12,178.46)	109,821.54
Burley Irrigation District.....	891,000.00	(15,132.78)	875,867.22
Cub River Irrigation Company.....	1,000,000.00		1,000,000.00
Curran Ditch Users Association.....	16,100.00	(16,100.00)	0.00
Falls Irrigation District.....	2,000,000.00	(279,360.62)	1,720,639.38
Hat Butte Mutual Canal Company.....	78,965.00	(78,965.00)	0.00
Hayden Lake Irrigation District.....	1,654,411.00	(341,781.89)	1,312,629.11
HFF Conant Creek.....	499,145.00	(459,301.28)	39,843.72
Island Ward Canal Co.....	11,945.00		11,945.00
King Hill Irrigation District.....	828,501.00	(142,989.98)	685,511.02
Nampa Meridian Irrigation District.....	1,866,116.00		1,866,116.00
North Side Canal Company.....	2,000,000.00		2,000,000.00
Solenberger Ditch Company.....	3,000.00	(3,000.00)	0.00
Sunnydell Irrigation District.....	30,233.00		30,233.00
Twin Falls Canal Company.....	245,547.00	(245,547.00)	0.00
Twin Falls Canal Company.....	44,037.00	(44,037.00)	0.00
WRV Board of Control.....	309,000.00		309,000.00
Balance for Aging Infrastructure Grants - Round 2.....	12,500,000.00	(1,739,074.33)	10,760,925.67
Aging Infrastructure Program Grants (Round 3)			
Blaine County Canal Company.....	1,314,786.00	(720,241.66)	594,544.34
Burgess Canal & Irrigation Co.....	1,057,584.00		1,057,584.00
Burnett Water Users Association.....	825,000.00		825,000.00
Egin Bench Canals Inc.....	31,349.00		31,349.00
Falls Irrigation District.....	831,079.00		831,079.00
Fremont Madison Irrigation District.....	16,575.00		16,575.00
Grindstone Butte Mutual Canal Co.....	1,555,167.00		1,555,167.00
Island Ward Canal Co.....	2,457.00	(2,082.67)	374.33
Long Island Irrigation Co.....	74,222.00		74,222.00
Marysville Irrigation Company.....	42,964.00		42,964.00
Mill Canyon North Canal Co.....	11,496.00		11,496.00
Milner Dam Inc.....	2,000,000.00		2,000,000.00
Mountain Home Irrigation District.....	132,412.00	(129,584.49)	2,827.51
Payette Lakes Recreational Water & Sewer District.....	1,803,318.00		1,803,318.00
Portneuf-Marsh Valley Canal Co.....	625,000.00	(138,688.81)	486,311.19
Twin Falls Canal Co.....	20,458.00		20,458.00
United Canal Co.....	70,000.00		70,000.00
Weiser River Soil Conservation District.....	124,410.00		124,410.00
West Indian Cove Water Co.....	545,344.00		545,344.00
Balance for Aging Infrastructure Grants - Round 3.....	11,083,621.00	(990,597.63)	10,093,023.37
Aging Infrastructure Program Grants (Round 4)			
AFRD2.....	40,000.00		40,000.00
Bilbrey Ditch Company.....	40,173.00		40,173.00
Black Canyon Irrigation District.....	100,000.00		100,000.00
Capital View Irrigation District.....	59,550.00		59,550.00
Dalton Gardens Irrigation District.....	1,369,165.00	(1,103.45)	1,368,061.55
Farmers Land & Irrigation Company.....	89,667.00		89,667.00
Fremont Madison Irrigation District.....	26,680.00		26,680.00
Jefferson Irrigation Company.....	581,488.00		581,488.00
Jefferson Irrigation Company.....	145,648.00		145,648.00
Last Chance Canal Company.....	140,674.00		140,674.00
Moore Canal Water Users' Association.....	1,024,819.00		1,024,819.00
Mountain Home Irrigation District.....	394,403.00		394,403.00
Mud Lake Water Users.....	800,000.00		800,000.00
New Sweden Irrigation District.....	672,891.00		672,891.00
Parks and Lewisville Irrigation Company.....	83,852.00		83,852.00
Sunnydell Irrigation District.....	2,000,000.00		2,000,000.00
Teton Irrigation.....	58,008.00		58,008.00
Twin Falls Canal Company.....	51,331.78		51,331.78
Balance for Aging Infrastructure Grants - Round 4.....	7,678,349.78	(1,103.45)	7,677,246.33
Total Aging Infrastructure Program Obligated Funds.....	43,761,970.78	(9,123,527.47)	34,638,443.31
Water Project Loan Program			
North Side Pumping Company.....	\$1,200,000.00		
North Side Canal Company.....	\$5,000,000.00		
King Hill Irrigation District.....	\$500,000.00		
Raft River Recharge Group.....	\$14,111,000.00		
Total Water Project Loan Program Obligated Funds.....			\$20,811,000.00
Large Water Projects Program Unobligated Funds.....			\$114,530,078.12
Water Quality Collection Program Sub-Account			
Legislative Appropriation (HB 285, Sec 3, 2019).....	\$200,000.00		
Legislative Appropriation (HB 646, Sec 5, 2020).....	\$200,000.00		
Legislative Appropriation (HB 646, Sec 5, 2021).....	\$200,000.00		
Interest Earned State Treasury.....	\$10,277.76		
Total Revenue for Water Quality Collection Program Sub-Account.....			\$610,277.76
DOI-USGS Agreement FY 2020 - Mid-Snake River.....		(\$200,000.00)	
DOI-USGS Agreement FY 2021 - Mid-Snake River.....		(\$200,000.00)	
DOI-USGS Agreement FY 2022 - Mid-Snake River.....		(\$282,500.00)	
Total Expenditures for Water Quality Collection Program Sub-Account.....			(\$682,500.00)
Cash Balance for Water Quality Collection Program Sub-Account.....			(\$72,222.24)
Water Quality Collection Program Obligated Funds			
DOI-USGS Agreement FY 2022 - Mid-Snake River.....		(\$82,500.00)	
Total Water Quality Collection Program Obligated Funds.....			(\$82,500.00)
Water Quality Collection Program Unobligated Funds.....			\$10,277.76
Flood Management Program Sub-Account			
Legislative Appropriation (HB 712, Sec 1, 2018, Flood Management Program-Year 1).....	\$1,000,000.00		
Legislative Appropriation (HB 285, Sec 3, 2019, Flood Management Program-Year 2).....	\$800,000.00		

Legislative Appropriation (HB 646, Sec 5, 2020, Flood Management Program-Year 3).....	\$800,000.00		
Legislative Appropriation (SB1190, Sec 5, 2021, Flood Management Program-Year 4).....	\$800,000.00		
Legislative Appropriation (HB 769, Sec 5, 2022, Flood Management Program-Year 5).....	\$1,000,000.00		
Legislative Appropriation (SB1181, Sec 5, 2023, Flood Management Program-Year 6).....	\$1,000,000.00		
Interest Earned State Treasury.....	\$93,115.88		
Total Revenue for Flood Management Program Sub-Account.....			\$5,493,115.88
Grants Disbursed for Leg Approp (HB 712, Sec 1, 2018, Flood Mgmt Pgm-Year 1).....	(\$901,677.56)		
Grants Disbursed for Leg Approp (HB 285, Sec 3, 2019, Flood Mgmt Pgm-Year 2).....	(\$624,251.34)		
Grants Disbursed for Leg Approp (HB 646, Sec 5, 2020, Flood Mgmt Pgm-Year 3).....	(\$688,743.24)		
Grants Disbursed for Leg Approp (SB1190, Sec 5, 2021, Flood Mgmt Pgm-Year 4).....	(\$693,345.74)		
Grants Disbursed for Leg Approp (HB 769 , Sec 5, 2022, Flood Mgmt Pgm-Year 5).....	(\$257,719.01)		
Grants Disbursed for Leg Approp (SB 1181, Sec 5, 2023, Flood Mgmt Pgm-Year 6).....	(\$40,411.86)		
Total Expenditures for Flood Management Program Sub-Account.....			(\$3,206,148.75)
Cash Balance for Flood Management Program Sub-Account.....			\$2,286,967.13
Flood Management Grant Program Obligated Funds			
Flood Management Program grants - Year 1 (HB712, Sec 1, 2018)	Grant Amount	Expenditures	Remaining Balance
<i>Flood Control District 9 (CON01303).....</i>	<i>90,000.00</i>	<i>(84,851.70)</i>	<i>5,148.30</i>
<i>Blaine County (CON01304).....</i>	<i>121,331.00</i>	<i>(121,331.00)</i>	<i>0.00</i>
<i>Cassia County (CON01305).....</i>	<i>42,336.38</i>	<i>(19,618.16)</i>	<i>22,718.22</i>
<i>Flood Control District 10 (CON01306 - New Dry Creek River Bank).....</i>	<i>78,400.00</i>	<i>(62,156.50)</i>	<i>16,243.50</i>
<i>Flood Control District 10 (CON01307 - Duck Alley Pit Capture).....</i>	<i>153,550.00</i>	<i>(105,470.43)</i>	<i>48,079.57</i>
<i>Flood Control District 10 (CON01308 - Porter & Mulchay Gravel Removal).....</i>	<i>38,808.00</i>	<i>(35,250.77)</i>	<i>3,557.23</i>
<i>Clearwater Soil & Water Conservation Dist (CON01309).....</i>	<i>155,220.00</i>	<i>(155,219.00)</i>	<i>1.00</i>
<i>Flood Control District 10 (CON01310 - Leighton & Wells Gravel Removal).....</i>	<i>22,000.00</i>	<i>(22,000.00)</i>	<i>0.00</i>
<i>Flood Control District 11 (CON01311).....</i>	<i>57,675.00</i>	<i>(55,100.00)</i>	<i>2,575.00</i>
<i>Twin Lakes/Flood Control Dist 17 (CON01312).....</i>	<i>7,750.00</i>	<i>(7,750.00)</i>	<i>0.00</i>
<i>Twin Falls Canal Company (CON01327).....</i>	<i>85,340.00</i>	<i>(85,340.00)</i>	<i>0.00</i>
<i>Nez Perce Soil & Water Conservation Dist (CON01328).....</i>	<i>115,460.00</i>	<i>(115,460.00)</i>	<i>0.00</i>
<i>Riverside Village HOA (CON01329).....</i>	<i>6,025.00</i>	<i>(6,025.00)</i>	<i>0.00</i>
<i>City of Pocatello (CON01330).....</i>	<i>26,105.00</i>	<i>(26,105.00)</i>	<i>0.00</i>
<i>Uncommitted from HB712 Year 1.....</i>	<i>(98,322.82)</i>	<i>0.00</i>	<i>(98,322.82)</i>
Balance for Year 1 Flood Mgmt Grants.....	901,677.56	(901,677.56)	0.00
Flood Management Program grants - Year 2 (HB285, Sec 3, 2019)			
<i>City of Boise (CON01396).....</i>	<i>6,371.00</i>	<i>(6,371.00)</i>	<i>0.00</i>
<i>Blaine County (CON01397).....</i>	<i>100,000.00</i>	<i>(96,555.00)</i>	<i>3,445.00</i>
<i>Board of Controls Irrigation (CON01398).....</i>	<i>59,050.00</i>	<i>(57,827.50)</i>	<i>1,222.50</i>
<i>Clearwater Soil & Water Conservation District (CON01399).....</i>	<i>190,492.37</i>	<i>(190,490.18)</i>	<i>2.19</i>
<i>Clearwater Soil & Water Conservation District (CON01400).....</i>	<i>72,727.39</i>	<i>(72,629.03)</i>	<i>98.36</i>
<i>City of Hailey (CON01401).....</i>	<i>50,000.00</i>	<i>(19,841.33)</i>	<i>30,158.67</i>
<i>Flood Control District No. 10 (CON01402).....</i>	<i>160,000.00</i>	<i>(160,000.00)</i>	<i>0.00</i>
<i>Idaho Soil and Water Conservation District (CON01403) - CANCELLED.....</i>	<i>159,436.00</i>		<i>159,436.00</i>
<i>Idaho Soil and Water Conservation District (CON01404).....</i>	<i>21,619.50</i>	<i>(20,537.30)</i>	<i>1,082.20</i>
<i>Blaine County (CON01405) - NOT EXECUTED.....</i>	<i>50,000.00</i>		<i>50,000.00</i>
<i>Uncommitted from HB285 Year 2.....</i>	<i>(245,444.92)</i>	<i>0.00</i>	<i>(245,444.92)</i>
Balance for Year 2 Flood Mgmt Grants.....	624,251.34	(624,251.34)	0.00
Flood Management Program grants - Year 3 (HB646, Sec 5, 2020)			
<i>Flood Control District 10 - Boise River North Channel (CON01510).....</i>	<i>47,500.00</i>	<i>(47,500.00)</i>	<i>0.00</i>
<i>Flood Control District 10 - Boise River Canyon Reach 1 (CON01509).....</i>	<i>175,000.00</i>	<i>(91,735.00)</i>	<i>83,265.00</i>
<i>Idaho Soil & Water Conservation District - Sill Creek (CON01488).....</i>	<i>10,960.28</i>	<i>(10,960.28)</i>	<i>0.00</i>
<i>Idaho Soil & Water Conservation District - Lower Cottonwood Creek (CON01489).....</i>	<i>27,935.20</i>		<i>27,935.20</i>
<i>Idaho Soil & Water Conservation District - Clear Creek (CON01490).....</i>	<i>18,570.60</i>	<i>(11,838.06)</i>	<i>6,732.54</i>
<i>City of Bellevue - Lower Howard Preserve (CON01491).....</i>	<i>57,880.00</i>	<i>(57,880.00)</i>	<i>0.00</i>
<i>Clearwater Soil & Water Conservation District - Louse Creek (CON01492).....</i>	<i>24,687.00</i>	<i>(24,687.00)</i>	<i>0.00</i>
<i>Pioneer Irrigation District - Mason Creek (CON01493).....</i>	<i>148,500.00</i>	<i>(148,500.00)</i>	<i>0.00</i>
<i>Raft River Flood Control District 15 - (CON01494).....</i>	<i>80,525.00</i>	<i>(26,255.60)</i>	<i>54,269.40</i>
<i>Lewis Soil Conservation District - Alpine Road (CON01495).....</i>	<i>18,425.30</i>	<i>(18,425.30)</i>	<i>0.00</i>
<i>City of Orofino - Orofino Creek (CON01496).....</i>	<i>200,000.00</i>	<i>(200,000.00)</i>	<i>0.00</i>
<i>Twin Falls Canal Company & City of Twin Falls (CON01497).....</i>	<i>50,962.00</i>	<i>(50,962.00)</i>	<i>0.00</i>
<i>Uncommitted from HB646 Year 3.....</i>	<i>0.00</i>		<i>0.00</i>
Balance for Year 3 Flood Mgmt Grants.....	860,945.38	(688,743.24)	172,202.14
Flood Management Program grants - Year 4 (SB1190, Sec 5, 2021)			
<i>North Side Canal Company - Red Bridge Flood Mgmt Storage Pond (CON01564).....</i>	<i>200,000.00</i>		<i>200,000.00</i>
<i>Flood District 9 - Bellevue Side Channel Project (CON01565).....</i>	<i>111,508.00</i>	<i>(110,132.19)</i>	<i>1,375.81</i>
<i>Nez Perce County & NPSWCD - Streambank Project.....</i>	<i>100,000.00</i>	<i>(100,000.00)</i>	<i>0.00</i>
<i>Flood District 17 - Rathdrum Creek Debris Project (CON01567).....</i>	<i>6,375.00</i>	<i>(6,375.00)</i>	<i>0.00</i>
<i>Adams Soil & Water Conservation District - Grays Creek Project (CON01568).....</i>	<i>17,606.00</i>	<i>(17,227.40)</i>	<i>378.60</i>
<i>Clearwater Soil & Water Conservation Dist - Heywood Bridge Project (CON01569).....</i>	<i>37,475.00</i>	<i>(37,475.00)</i>	<i>0.00</i>
<i>Clearwater Soil & Water Conservation Dist - Swanson's Loop Project (CON01563).....</i>	<i>200,000.00</i>	<i>(200,000.00)</i>	<i>0.00</i>
<i>Reid Canal Company - Bannock Feeder Project (CON01570).....</i>	<i>200,000.00</i>	<i>(161,782.70)</i>	<i>38,217.30</i>
<i>Lewis Soil & Water Conservation District - Tiede Road Flood Project (CON01571).....</i>	<i>71,910.00</i>	<i>(56,936.57)</i>	<i>14,973.43</i>
<i>Idaho Soil & Water Conservation District - Clear Creek Project (CON01572).....</i>	<i>36,062.00</i>	<i>(3,416.88)</i>	<i>32,645.12</i>
<i>Uncommitted from SB1190 Year 4.....</i>	<i>0.00</i>		<i>0.00</i>
Balance for Year 4 Flood Mgmt Grants.....	980,936.00	(693,345.74)	287,590.26
Flood Management Program grants - Year 5 (HB769, Sec 5, 2022)			
<i>Boise River Flood Control District 10 (CON01605).....</i>	<i>83,265.00</i>	<i>(83,265.00)</i>	<i>0.00</i>
<i>Goose Creek Flood Project (CON01602).....</i>	<i>200,000.00</i>		<i>200,000.00</i>
<i>City of Lewiston Flood Project (CON01603).....</i>	<i>106,352.00</i>		<i>106,352.00</i>
<i>Madison County Flood Control Diversion Project (CON01604).....</i>	<i>126,392.00</i>		<i>126,392.00</i>
<i>Boise River Flood Control District 10 (CON01605).....</i>	<i>125,000.00</i>		<i>125,000.00</i>
<i>Madison County Teton River Splitter Gate Project (CON01606).....</i>	<i>47,859.00</i>		<i>47,859.00</i>
<i>Twin Lakes Flood Control District (CON01607).....</i>	<i>8,000.00</i>	<i>(8,000.00)</i>	<i>0.00</i>
<i>Squaw Creek Ditch Company (CON01608).....</i>	<i>125,000.00</i>		<i>125,000.00</i>
<i>Riverside Water & Sewer District (CON01609).....</i>	<i>200,000.00</i>	<i>(35,069.01)</i>	<i>164,930.99</i>
<i>ESPAR & Madison County Flood Diversion Project (CON01610).....</i>	<i>47,300.00</i>	<i>(47,300.00)</i>	<i>0.00</i>
<i>Clearwater SWCD Garden Creek Project (CON01611).....</i>	<i>84,085.00</i>	<i>(84,085.00)</i>	<i>0.00</i>
<i>Uncommitted from HB769 Year 5.....</i>	<i>0.00</i>		<i>0.00</i>
Balance for Year 5 Flood Mgmt Grants.....	1,153,253.00	(257,719.01)	895,533.99
Flood Management Program grants - Year 6 (SB 1181, Sec 5, 2023)			

Eagle Sewer District.....	200,000.00		200,000.00
Flood District 9 (Con # 4050).....	118,086.00		118,086.00
City of Parma.....	50,000.00	(40,411.86)	9,588.14
Hiawatha Canal Users Association.....	200,000.00		200,000.00
Oakley Highway District.....	176,000.00		176,000.00
Joint School District No. 171.....	89,064.00		89,064.00
Clearwater SWCD - Jim Ford Crossing (CON4048) CANCELLED PER NEELEY MILLER 5/1	0.00		0.00
TFCC & City of Twin Falls.....	5,914.00		5,914.00
Idaho SWCC.....	54,524.00		54,524.00
City of Victor.....	27,500.00		27,500.00
Uncommitted from SB1181 Year 6.....	0.00		0.00
Balance for Year 6 Flood Mgmt Grants.....	921,088.00	(40,411.86)	880,676.14
Obligated for Flood Management Grants.....	\$5,442,151.28	(\$3,206,148.75)	\$2,236,002.53
Flood Management Grants Unobligated Funds.....			\$50,964.60
TOTAL OBLIGATED FUNDS BALANCE.....			\$178,430,325.40
Unobligated Funds.....			\$114,700,167.34

Bold and italicized indicates that project is completed and entity has received final payment

Idaho Water Resource Board
Sources and Applications of Funds
as of June 30, 2024
AMERICAN RESCUE PLAN ACT ACCOUNT

Legislative Appropriation (HB 769, Sec 8, 2022).....	
Legislative Appropriation (SB 1181, Sec 6, 2023).....	
Legislative Appropriation (SB 1411, Sec 7, 2024).....	
USDOI/BLM - Anderson Ranch CON 21WN102130.....	(73,346,406.00)
Mountain Home Air Force Base pipeline.....	(10,471,283.55)
Recharge Project Expenditures.....	(2,639,007.08)
Regional Water Sustainability Projects.....	(3,500,000.00)
Total ARPA Fund Expenditures.....	
Total Cash Balance ARPA.....	

ARPA Funds Approved by Resolution

	Obligated
USDOI/BLM - Anderson Ranch CON 21WN102130.....	72,900,000.00
Mountain Home Air Force Base pipeline.....	35,000,000.00
Recharge Projects	
Minidoka Irrigation Dist - Goyne Sump Recharge Project.....	3,387,047.00
Hamer Road Recharge Project (CANCELLED).....	0.00
Southwest Irrigation Dist - Big Sky & Murtaugh Injection Well.....	240,000.00
Enterprise Canal Company - 55th Road.....	1,700,000.00
Enterprise Canal Company - Swan Highway Project.....	3,400,000.00
New Sweden Irrigation Dist - Head of the Basalt Recharge Site.....	1,330,000.00
Progressive Irrigation Dist - South Fork Hwy Project.....	4,240,000.00
Butte & Market Lake - Recharge Wells.....	571,000.00
Regional Water Sustainability Projects	
Idaho Power - American Falls Spillway Rehab.....	12,500,000.00
Boise Project Board of Control - New York Canal Lining.....	25,000,000.00
Total ARPA Funds.....	160,268,047.00
TOTAL UNOBLIGATED ARPA FUNDS.....	

100,000,000.00
24,497,543.89

(89,956,696.63)
34,540,847.26

Contracted	Expenditures	Committed
	(73,346,406.00)	(446,406.00)
	(10,471,283.55)	24,528,716.45
	(101,607.83)	3,285,439.17
		0.00
		240,000.00
		1,700,000.00
	(1,408,000.50)	1,991,999.50
	(1,129,398.75)	200,601.25
		4,240,000.00
		571,000.00
	(3,500,000.00)	9,000,000.00
		25,000,000.00
	<u>(89,956,696.63)</u>	<u>70,311,350.37</u>
.....	<u>(35,770,503.11)</u>	

Memorandum

To: Idaho Water Resource Board

From: Staff

Date: July 22, 2024

Re: Administrative Rules



Erik Boe will provide updates on Administrative Rules.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF APPLICATION FOR STREAM
CHANNEL ALTERATION PERMIT NO. S37-20565

Resolution Appointing Hearing Officer

1 WHEREAS, on March 15, 2019, the Idaho Department of Water Resources ("IDWR") received Joint
2 Application for Permits No. S37-20565 ("Application") filed by John Hastings, Jr. and Embassy Auditoriums,
3 Inc. ("Hastings") for a stream channel alteration permit for bank stabilization, in response to a notice of
4 violation; and

5
6 WHEREAS, on May 17, 2019, IDWR issued a Conditional Approval of Joint Application for Permits
7 (S37-20565) ("Permit"); and

8
9 WHEREAS, Hastings requested a hearing before the Idaho Water Resource Board ("IWRB") on
10 IDWR's conditional approval; and

11
12 WHEREAS, IDWR and Hastings were in discussions on the conditional terms of the Permit and
13 reached an impasse in late 2021, and IDWR asked the IWRB to appoint a hearing officer;

14
15 WHEREAS, the IWRB appointed Shelley Keen as hearing officer at its November 19, 2021 meeting
16 and Hastings disqualified Mr. Keen as a hearing officer;

17
18 WHEREAS, Hastings initiated court proceedings against IDWR related to the matter in November
19 2021;

20 WHEREAS, the court proceedings have reached a resolution such that another hearing officer
21 needs to be appointed to issue a recommended order or preliminary order in accordance with Idaho Code
22 §§ 67-5243(1) and 67-5248;

23
24 NOW THEREFORE BE IT RESOLVED, the IWRB hereby appoints Pete Wood, an independent
25 hearing officer on contract with IDWR, to serve as the hearing officer in the above captioned matter.

DATED this 26th day of July 2024.

JEFF RAYBOULD, Chairman
Idaho Water Resource Board

ATTEST _____
DEAN STEVENSON, Secretary

Resolution No. _____



United States Department of the Interior
BUREAU OF RECLAMATION
Snake River Area Office
230 Collins Road
Boise, ID 83702-4520



IN REPLY REFER TO:

CPN-6427

2.2.4.21

VIA ELECTRONIC MAIL ONLY

Mr. Jeff Raybould
Chairman
Idaho Water Resource Board
322 East Front Street
Boise, ID 83702

Mr. Bryan Horsburgh
Area Manager
Snake River Area Office
230 Collins Road
Boise, ID 83702

Subject: Boise River Basin Feasibility Study / Anderson Ranch Dam Raise Status Update,
Boise Project, Idaho

Dear Mr. Raybould and Mr. Horsburgh:

This status update is being sent in preparation for the Idaho Water Resource Board (IWRB) meeting on July 26, 2024.

The IWRB and the Bureau of Reclamation partnered to complete a feasibility study of new surface water storage opportunities in the Boise River Basin (Study). Authorized under Water Infrastructure Improvements for the Nation (WIIN) Act of 2016, the Study focused on a 6-foot raise of Anderson Ranch Dam in Idaho to achieve approximately 29,000 acre-feet of new water storage.

Current Status

Recent project activities include:

- Completion of the Anderson Ranch Reservoir Rim Projects Geologic Investigations Report.
- Completion of dam raise 60 percent design reviews.
- Continued finalization of the dam raise geotechnical field exploration report and drawings.
- Conducting potential hazardous materials site-surveys.

Ongoing project activities include:

- Coordination between subject matter experts to analyze and plan a strategy for reservoir operations during construction and estimated construction durations, to best understand constructability of the projects.
- Analysis for achieving 90 percent designs and for planning the construction period's water supply mitigation strategy.
- Coordination and support for environmental compliance activities.
- Project team working to resolve several outstanding items necessary to finalize environmental compliance schedule.
- Stakeholder coordination and project awareness.
- Standing monthly oversight team meetings between Reclamation and IWRB staff.

Completed Key Milestones

Nov. 2017 – Jan. 2019	Reclamation completed initial screening of the three potential dam raise alternatives and developed a project management plan.
July 27, 2018	IWRB passed a resolution supporting the narrowed focus of the Study to a raise at Anderson Ranch Dam.
August 28, 2018	Reclamation and IWRB hosted a Legislative Infrastructure Tour to discuss large water infrastructure projects in Idaho with representatives from Idaho's Congressional delegation.
November 8, 2018	Reclamation and IWRB hosted an informational public open house on the Study in Boise, Idaho.
December 3-7, 2018	Reclamation conducted a Value Planning Study with a final Accountability Report received in February 2019.
December 25, 2018	Reclamation awarded an Indefinite Delivery / Indefinite Quality contract for architect and engineering services to Sundance-EA Joint Venture (Consultant) to complete the Study and environmental compliance activities.
April 30, 2019	Consultant submitted land, structure, infrastructure, and real estate impact assessment (Rim Analysis) for Anderson Ranch Reservoir.
June 7, 2019	IWRB filed a water right permit application for the potential additional storage (Water Right No. 63-34753).
June 19, 2019	Reclamation's Technical Service Center (TSC) completed feasibility-level design and cost estimates completed for Anderson Ranch Dam raise.
August 9, 2019	Reclamation published the Notice of Intent for an environmental impact statement (EIS) in the Federal Register.
August 27-29, 2019	Reclamation conducted Public Scoping Open Houses in Pine, Boise, and Mountain Home, Idaho.

February 3-7, 2020	Reclamation completed the Design, Estimate, and Construction review of the feasibility-level designs.
April 6-10, 2020	Reclamation completed the Peer Review of the Water Operations Technical Memorandum
July 31, 2020	Reclamation released the Draft EIS and Draft Feasibility Report.
October 30, 2020	Reclamation initiated formal Endangered Species Act consultation with National Oceanic and Atmospheric Administration National Marine Fisheries Service and submitted its biological assessment.
December 2020	The Secretary of the Interior determined the Study's recommended plan to be feasible in accordance with the WIIN Act.
December 2020	Reclamation transmitted the Final Feasibility Report to Congress.
December 2020	Fiscal Year 2021 Appropriations legislation secured \$12.88 million in WIIN Act funding for completing the Study, environmental compliance, and construction.
May 2021	Initiated pause in environmental compliance process pending further development of final design.
July / August 2021	Reclamation's Columbia-Pacific Northwest Region requested delegation of authority and received approval from the Commissioner to negotiate, execute, and administer a cost-share agreement pursuant to section 4007 of the WIIN Act with the IWRB.
Sept. / Oct. 2021	Reclamation and IWRB completed cost-share contract negotiation sessions: Sept. 22, Oct. 5, Oct. 19, and Oct. 28.
November 2021	IWRB and Reclamation signed and executed cost-share contract. IWRB provided first interval payment of advanced funds. TSC initiated final design activities.
June 2022	Reclamation's TSC completed dam spillway overlay feasibility design and conducted risk neutrality and construction risk workshop.
September 2022	Reclamation's risk neutrality and construction risk analysis, Dam Safety Advisory Team review and concurrence.
September 2022	Received total non-federal project funding based on the feasibility level total project cost estimate.
May 2023	Completed Dam Raise and Reservoir Rim Projects 30 percent Designs.
June 2023	Completed Dam Raise and Reservoir Rim Projects 30 percent design reviews, Value Engineering Studies, and Dam Raise Constructability Review.
November 2023	Completed on-site field explorations.
Jan. / Feb. 2024	Completed Reservoir Rim Projects 60 percent designs and Constructability Review.

May 2024	Completed Dam Raise 60 percent Design.
June 2024	Completed Reservoir Rim Projects Geotechnical Field Explorations Geologic Report.

Key Critical Path Milestones

Winter 2024/2025	Analysis and Completion of Supplemental Draft EIS
2025	Complete environmental compliance
Spring 2026	Complete final design

Thank you for this opportunity to provide an update on the Boise River Basin Feasibility Study / Anderson Ranch Dam Raise Project. If you have any questions, please contact me at (208) 378-5360 or via email at ckeith@usbr.gov. If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access telecommunications relay services.

Sincerely,

Chris Keith
Project Manager

Memorandum

To: Idaho Water Resource Board
From: Blake Burkard, Planning & Projects Bureau
Date: July 17, 2024
Re: Flood Management Grant Applications and Ranking



Action: Consider adoption of attached resolution

FY 2025 Flood Management Grants Program

Staff received a total of ten (10) Flood Management Grant applications prior to the June 7th deadline. The applications were evaluated, scored, and ranked according to criteria adopted by the Board. Staff reviewed the application rankings with the Finance Committee on July 12th and the Committee recommended funding as described in the attached spreadsheet.

Attachment(s):

Attachment A: Flood Management Grants score and ranking spreadsheet

Attachment B: Resolution to award 2025 funds

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF FLOOD
MANAGEMENT GRANTS

RESOLUTION TO AWARD 2025 FUNDS

1 WHEREAS, Senate Bill 1269 passed and approved by the Idaho Legislature in 2024,
2 transferred \$1,000,000 from the General Fund to the Water Management Account for a Flood
3 Management Grant Program administered by the Idaho Water Resources Board (IWRB) to be
4 used for the purpose of flood-damaged stream channel repair, stream channel improvement,
5 flood risk reduction, or flood prevention projects; and
6

7 WHEREAS, Senate Bill 1269 directs the IWRB to prioritize projects on a competitive
8 statewide basis; and
9

10 WHEREAS, on March 31, 2023, the IWRB adopted on-going criteria for the award of Flood
11 Management Grants, and
12

13 WHEREAS, ten (10) Flood Management Grant applications were received by the deadline
14 of Friday June 7, 2024, and the applications were evaluated, scored and ranked according to the
15 criteria adopted by IWRB; and
16

17 WHEREAS, on July 16, 2024, the Finance Committee met and discussed the projects, and
18 recommended the IWRB approve Flood Management Grant awards as specified in Attachment A
19 to this resolution; and
20

21 NOW, THEREFORE BE IT RESOLVED, that funding for the City of Nampa Drain Recharge
22 and Floodwater Storage Study (Study) is approved as specified in Attachment A to this resolution
23 subject to the following conditions:
24

- 25 1. The Study shall incorporate information generated through completed and ongoing
26 IWRB funded studies, including those related to aquifer recharge and drain flow, to
27 avoid duplication of effort and optimize use of funds.
- 28 2. The Study shall evaluate only canal systems for which analysis of potential future use
29 has been approved by the system owners.
- 30 3. IDWR staff will review and confirm that the Study scope of work complies with
31 conditions 1 and 2 above prior to disbursement of funds.
32

33 NOW, THEREFORE BE IT FURTHER RESOLVED, that the IWRB approves the award of Flood
34 Management Grants from the Water Management Account for all other applications as specified
35 in Attachment A to this resolution.

36
37 NOW, THEREFORE BE IT FURTHER RESOLVED, the contracts for Flood Management Grant
38 projects will also contain standard IWRB contract conditions and other project-specific Terms and
39 Conditions not specified in this resolution

40
41 NOW, THEREFORE BE IT FURTHER RESOLVED, that the IWRB authorizes its chairman or
42 designee to execute the necessary agreements or contracts for the purpose of this resolution.
43

DATED this 26th day of July 2024.

Jeff Raybould, Chairman
Idaho Water Resource Board

ATTEST _____
Dean Stevenson, Secretary

Attachment A: FY 2025 Flood Management Grant Applications

Rank	Score (135 Points)	Entity	Project	Total Project Costs	Funds Requested
1	111	Portneuf SWCD	Dempsey Creek Crossing Replacement	\$196,413.00	\$98,206.50
2	107	Clearwater SWCD	Jim Ford Crossing Replacement	\$234,670.00	\$117,333.00
3	106	Clearwater SWCD	Casey Creek Crossing Replacement	\$44,102.00	\$21,224.00
4	98	City of Boise	Seven Suckers Bank Stabilization and Weir Diversion Project	\$396,244.00	\$198,122.00
5	98	Twin Lakes Rathdrum Creek FCD17	Rathdrum Creek Stream Repair	\$17,000.00	\$6,800.00
6	96	Adams SWCD	Thorn Creek Culvert Replacement	\$55,780.60	\$27,126.00
7	78	Madison County	Teton River Diversion Design Enhancement Study	\$35,535.00	\$17,767.00
8	76	Boise River FCD10	Mulchay Property Bank Stabilization	\$103,950.00	\$51,975.00
9	76	Boise River FCD10	Randy Wood Property Bank Stabilization	\$87,500.00	\$43,750.00
10	75	City of Nampa	Drain Recharge and Floodwater Storage Study	\$240,000.00	\$120,000.00
Total Funds Requested					\$702,303.50

Funds to be awarded per IWRB District:

District 1: \$145,357.00
District 2: \$440,973.00
District 4: \$115,973.50
Total: \$702,303.50



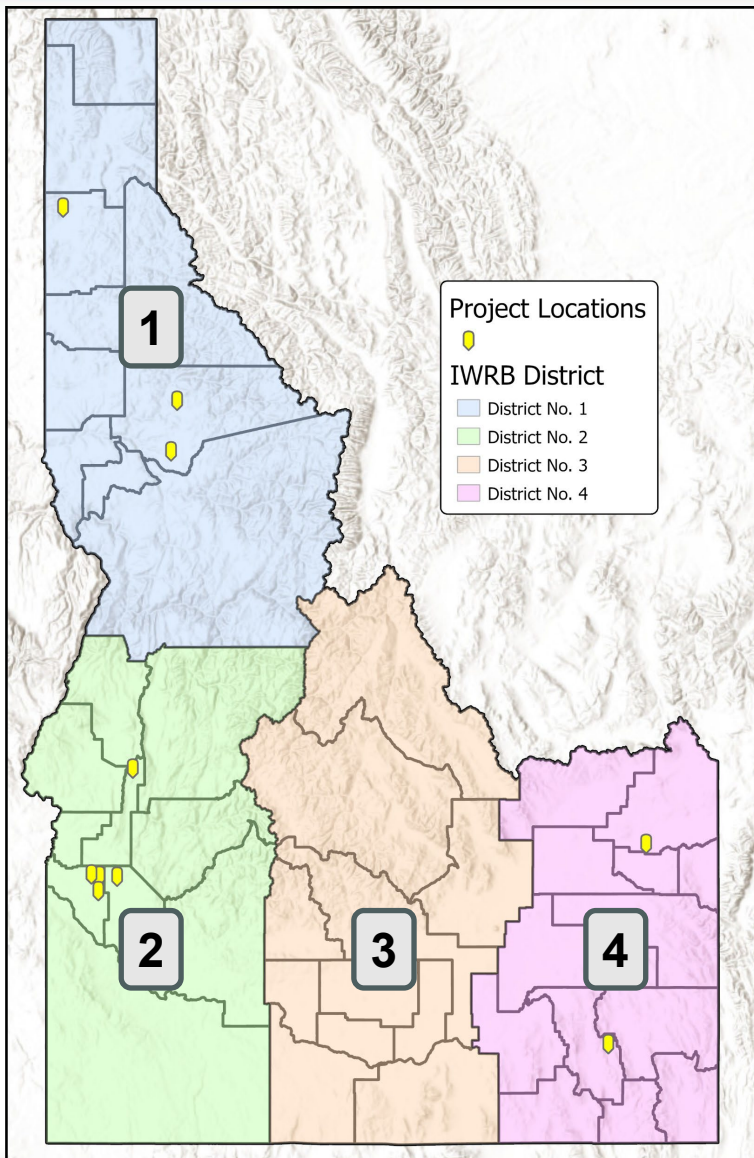
IDAHO
Water Resource Board



FY 2025 Flood Management Grant Awards

Presented by Blake Burkard, EIT

July 27, 2024



2025 Flood Management Grant Applications

IWRB District	Entity	Total Project Costs	Funds Requested	Regional %
1	Clearwater SWCD	\$234,670.00	\$117,333.00	21%
1	Clearwater SWCD	\$44,102.00	\$21,224.00	
1	Twin Lakes Rathdrum Creek FCD17	\$17,000.00	\$6,800.00	
2	City of Boise	\$396,244.00	\$198,122.00	63%
2	City of Nampa*	\$240,000.00	\$120,000.00	
2	Boise River FCD10	\$103,950.00	\$51,975.00	
2	Boise River FCD10	\$87,500.00	\$43,750.00	
2	Adams SWCD	\$55,780.60	\$27,126.00	
4	Portneuf SWCD*	\$196,413.00	\$98,206.50	16%
4	Madison County	\$35,535.00	\$17,767.00	
Total Funds Requested			\$702,303.50	

* First-time applicants

- 10 applications received
- Total funds requested below \$1M budget



IWRB Staff Recommendations

- Recommend awarding \$702,303.50 of Water Management Account funds to the following entities:

Entity	AVG Score	Rank	Funds Requested
Portneuf SWCD	111.33	1	\$98,206.50
Clearwater SWCD - Jim Ford Crossing	107.33	2	\$117,333.00
Clearwater SWCD - Casey Creek Crossing	106.33	3	\$21,224.00
City of Boise	98.00	4	\$198,122.00
FCD17	98.00	5	\$6,800.00
Adams SWCD	95.67	6	\$27,126.00
Madison County	78.33	7	\$17,767.00
FCD10 – Mulchay Project	76.33	8	\$51,975.00
FCD10 – Randy Wood Project	76.00	9	\$43,750.00
City of Nampa	74.67	10	\$120,000.00
Total Funds Requested			\$702,303.50

Memorandum



To: Idaho Water Resource Board
From: Neeley Miller, Planning & Projects Bureau
Date: July 18, 2024
Re: Groundwater to Surface Water Conversion Grant Criteria

Action: Consider adoption of the attached resolution

On July 16th staff reviewed with the Finance Committee the draft criteria for a new IWRB grant funding opportunity to be used for water projects that are targeted at converting lands irrigated from groundwater to surface water irrigation. The Finance Committee recommended the attached draft criteria for consideration by the IWRB.

Attachment(s):

Resolution to adopt criteria
IWRB Grants Timeline w/proposed application deadline of October 4, 2024

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF GROUNDWATER TO
SURFACE WATER CONVERSION GRANTS

RESOLUTION TO ADOPT CRITERIA

1 WHEREAS, the Idaho Water Resource Board (IWRB) on July 1, 2024 adopted a resolution
2 (resolution # 32-2024); modifying the spending plan for the Water Management Account; and
3

4 WHEREAS, the IWRB's modified spending plan included a budget of \$20,000,000 for a
5 Groundwater to Surface Conversion Projects Grant Program; and
6

7 WHEREAS, staff developed criteria for the award of Groundwater to Surface Water
8 Grants; and
9

10 WHEREAS, on July 16, 2024 the IWRB's Finance Committee met to discuss the proposed
11 Groundwater to Surface Water Conversion Grant criteria developed by staff. The Finance
12 Committee recommended the attached criteria be adopted by the IWRB; and
13

14 NOW, THEREFORE BE IT RESOLVED that the IWRB adopts the attached criteria for the
15 award of Groundwater to Surface Water Grants from the Water Management Account.
16

DATED this 26th day of July 2024.

JEFF RAYBOULD, Chairman
Idaho Water Resource Board

ATTEST _____
DEAN STEVENSON, Secretary

Groundwater to Surface Water Conversion Grant Criteria

The Idaho Water Resource Board (IWRB) is offering grant funding to be used for water projects targeted at converting lands irrigated from groundwater to surface water irrigation (Conversion Projects). The IWRB has developed these criteria to provide financial assistance on a statewide basis.

Eligible Projects: Projects located in eligible geographic areas that propose to convert from groundwater to surface water irrigation. Hard Conversions are projects that would permanently convert to the use of surface water. Soft Conversions projects would partially convert to the use of surface water but may have to use groundwater when surface water is not available.

Eligible Entities: Groundwater Districts, Irrigation Districts, Irrigation Boards of Control, Canal Companies. Individuals must apply through one of the eligible entities.

Eligible Geographic Area: Statewide basins that have been designated Critical Groundwater Areas and Groundwater Management Areas under Code Title 42, Chapter 233a and 233b

Grant Award Limit: \$5 million per application (IWRB reserves the right to fully allocate the total budget among the applicants)

Total Budget: \$20 million total funds available

Grant Considerations:

- IWRB grant portion cannot exceed 1/2 (50%) of total project costs for soft conversions. IWRB grant portion cannot exceed 3/4 (75%) of total project costs for hard conversions.
- Must agree to cease pumping the proposed portion of groundwater related to project and that delivered conversion water will be used only on lands with an existing groundwater right tied to this project. Groundwater rights previously used on the conversion project lands cannot be put in the Water Bank for lease.
- Conversions projects are required to be at least 80% efficient (for every acre-ft of conversion water they receive, must be able to measure and record 0.8 acre-ft of groundwater savings based on their historic baseline pumping.)
- If project construction is underway or completed by the application deadline the project is not eligible for this funding opportunity.

Grant Application Requirements: Grant applications will require the applicant to provide the following information:

- Project background (infrastructure description, repair, rehabilitation, improvement needs/objectives/benefits)
- Project sponsor description (organization type, background, revenue sources, current operations)
- Project description (narrative, map, 30% design plans and cost estimates, land entitlements at project location, description of any known environmental issues).

- Project budget and implementation schedule
- Project funding sources (IWRB grant, other state and federal grants, sponsor's contribution)
- Documentation from Irrigation District/Canal Company of support for the project and have agreement to deliver the surface water supply for the conversion project, and documentation of long-term leases, storage water, existing shares, etc. to support the proposed project. Documentation should address the term of the surface water delivery agreement and how often water will be available to support the project.
- Documentation from Groundwater District of support for the project and agreement to administer the pumping reduction.

Evaluation Criteria: To maximize the effective and efficient use of available funds, grant applications submitted by eligible entities for eligible projects will be evaluated, scored (*100-point scale*), and ranked according to the following criteria. Project scoring will be used to prioritize funding. Applications shall discuss how the project under consideration meets the evaluation criteria.

Benefits/Effectiveness (Up to 75 points)

- Project with a greater percentage of pumping offset will receive more points (up to 15 points)
- What is the reduction in average annual groundwater pumping in acre-feet associated with this project? (Up to 10 points)
- What is the dependability and duration of the water supply? (up to 5 points)
- Application has demonstrated aquifer storage benefits and/or reach gain benefits associated with the project? Applicants should submit modeling results to support their claims. (up to 20 points)
- Does the project involve multiple entities, or is the project regionally focused? (up to 5 points)
- Does the project have a recharge component? (up to 10 points)
- More points for conversions that are greater than 85% efficient. (up to 10 points)

Project Proposal Clarity and Detail (up to 15 points)

- Clarity and detail of project proposal: need, description, budget and benefits (*up to 5 points*)
- Plans and specifications included with the grant application (*up to 5 points*)
- Description of the personnel (sponsor employees, contractors and/or volunteers) that will plan, design, construct and implement the proposed project (descriptions may include the number, qualifications (resumes if applicable) and time of personnel that will be involved in the project. (*up to 5 points*)

Urgency of Project (up to 10 points)

- Urgency of the project (*up to 10 points*)

Grant Process:

- Applicants will create their own application document. The application document will address the grant application requirements and the evaluation criteria listed above.
- Submit applications to IWRBGrants@idwr.idaho.gov by due date
- IWRB staff will evaluate and make project funding recommendations to IWRB Finance Committee.
- IWRB reviews Finance Committee recommendations and makes grant funding awards
- IWRB staff will notify project applicants of grant approval
- Grant contracts between the IWRB and project sponsors will be developed and executed following IWRB funding awards
- Costs incurred after the date of IWRB grant funding award are eligible for reimbursement. Reimbursement requests can be made once a cost-reimbursement contract is established between Sponsor and IWRB. No reimbursement will be made until the contracts are fully executed. Projects completed prior to a contract being established are not eligible for reimbursement.
- During and/or after project implementation, IWRB will distribute and/or reimburse grantees for projects costs per those contracts. Grant reimbursement requests should be sent to IdwrPayable@idwr.idaho.gov
- Additional funding rounds will be held if more funding becomes available

Selected 2024/2025 Calendar Year Grant Activities																				
	2024										2025									
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Flood Management Grant (FMG)																				
<div> <div>Applicaiton Period; consultation with project sponsors</div> <div>Application Deadline June 7 2024</div> <div>Staff Review & Ranking</div> <div>Finance Committee Recommendation</div> <div>IWRB FMG Funding Awards (Regular Meeting)</div> <div>FMG Contract Development*</div> </div> <div> *This requires ongoing coordination with project sponsor to get contract information necessary information and finalize contracts </div>																				
Aging Infrastructure Grant (AIG)																				
<div> <div>Applicaiton Period; consultation with project sponsors</div> <div>Round Five Proposed Application Deadline - August 2, 2024</div> <div>Staff Review & Ranking</div> <div>Finance Committee Recommendation</div> <div>IWRB AIG Funding Awards (Special Meeting)</div> <div>AIG Contract Development*</div> </div> <div> Round 5 AIG </div>																				
<div> <div>Applicaiton Period; consultation with project sponsors</div> <div>Round Six Proposed Application Deadline - August 8, 2025</div> <div>Staff Review & Ranking</div> <div>Finance Committee Recommendation</div> <div>IWRB AIG Funding Awards (Special Meeting)</div> <div>AIG Contract Development*</div> </div> <div> Round 6 AIG </div> <div> *This requires ongoing coordination with project sponsor to get contract information necessary information and finalize contracts </div>																				
Regional Water Sustainability Priorty List (RWSPL)																				
<div> <div>Annual Deadline to Request To Be Added (Dec 1)</div> <div>Review Requests</div> <div>Update List* (Regular Meeting)</div> <div>Funded Projects/Terms and Conditions**</div> <div>RWSPL Contract Development***</div> </div> <div> *Currently implementing or supporting 11 projects on the Priority List. The list is updated in January but also updated throughout the year. </div> <div> **Coordination with Project Sponsor to develop Terms and Conditions for Funded Projects </div> <div> ***This requires ongoing coordination with project sponsor to get contract information necessary information and finalize contracts </div>																				
Groundwater to Surface Water Conversion Grant (GWSWG)																				
<div> <div>Application Period; consultation with project sponsors</div> <div>Proposed Application Deadline - October 4, 2024</div> <div>Staff Review & Ranking</div> <div>Finance Committee Recommendation</div> <div>IWRB Funding Awards</div> <div>Contract Development</div> </div>																				

Memorandum

To: Idaho Water Resource Board
From: Mike Morrison
Date: July 16, 2024
Re: Mountain Home Air Force Base Water Resilience Project



REQUIRED ACTION: No action is required.

Project Update

Project Status: The project is on-schedule and under budget. Work on the pipeline is being performed along Highway 167 and Strike Dam Road. Work on the inlet and pump station in the canyon at CJ Strike Reservoir ("In-Canyon-Work") is on hold pending construction permits from Federal agencies.

Risks: Environmental concerns limit the months during which In-Canyon-Work may be performed. These concerns are primarily related to nesting seasons of birds below the canyon rim. Under the current construction schedule, completing the project before next year's nesting season requires In-Canyon-Work to begin no later than August 2024.

If the beginning of In-Canyon-Work is delayed beyond August, it will likely be necessary to extend construction through Fall/Winter 2025 with a concomitant increase in construction cost.

Staff and its Owner's Advisor continue to work through these issues and are cautiously optimistic that they will be resolved by August.

Coordination with the Air Force: In April, the Air Force awarded a design-build contract for the Water Treatment Plant to a team headed by RSCI. The Air Force does not anticipate completing the Water Treatment Plant before July, 2027. Staff and the Board's contractors have been working with RSCI to assure the interoperability of the Water Transmission System being built by the Board and the Water Treatment Plant being built by the Air Force.

Staff has also been working with the Air Force to draft a Water Use Agreement ("WUA") to provide municipal water to the base year-round via the new water right, a Water Supply Bank lease, and rental of water rights purchased from Simplot. A draft of this agreement is currently being reviewed by Air Force Legal counsel.

Timeline:

Aug 2024: In-Canyon work begins (inlet, pump station, and penstock).

Oct 2024: Pipeline construction outside canyon rim complete.

May 2025: In-Canyon work complete (inlet, pump station, and penstock).

June 2025: Acceptance Testing Complete.

July 2025: Hand-off to Air Force

MHAFB Water Resilience Project



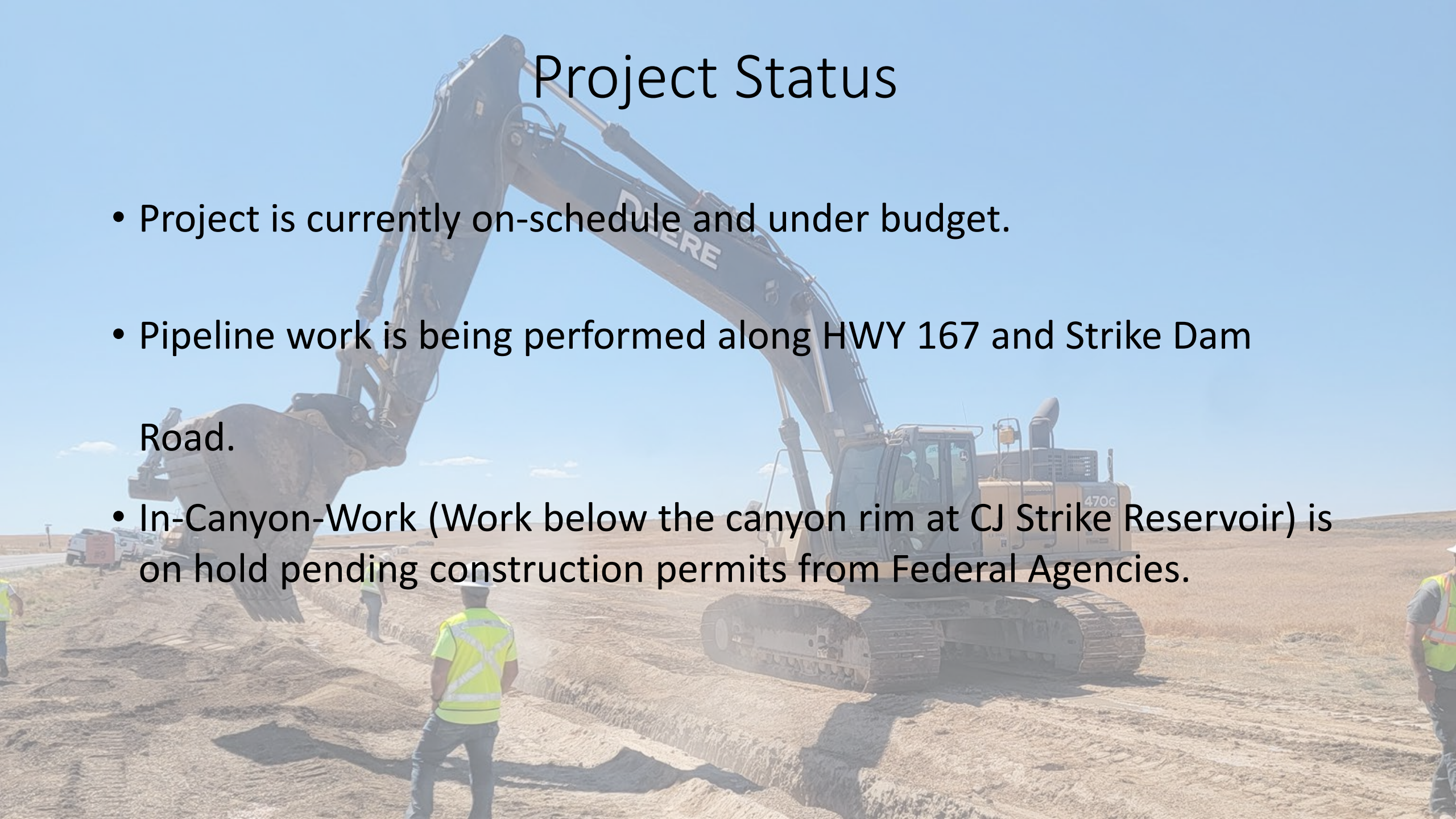
Construction Update

Dr. Mike Morrison, P.E.

Water Planning/Projects Bureau Engineer

Project Status

- Project is currently on-schedule and under budget.
- Pipeline work is being performed along HWY 167 and Strike Dam Road.
- In-Canyon-Work (Work below the canyon rim at CJ Strike Reservoir) is on hold pending construction permits from Federal Agencies.



Timeline

Dec 2023: Contract approved.

Jan 2024: Begin purchasing long lead-time items.

May 2024: Complete design package. Begin work outside canyon rim.

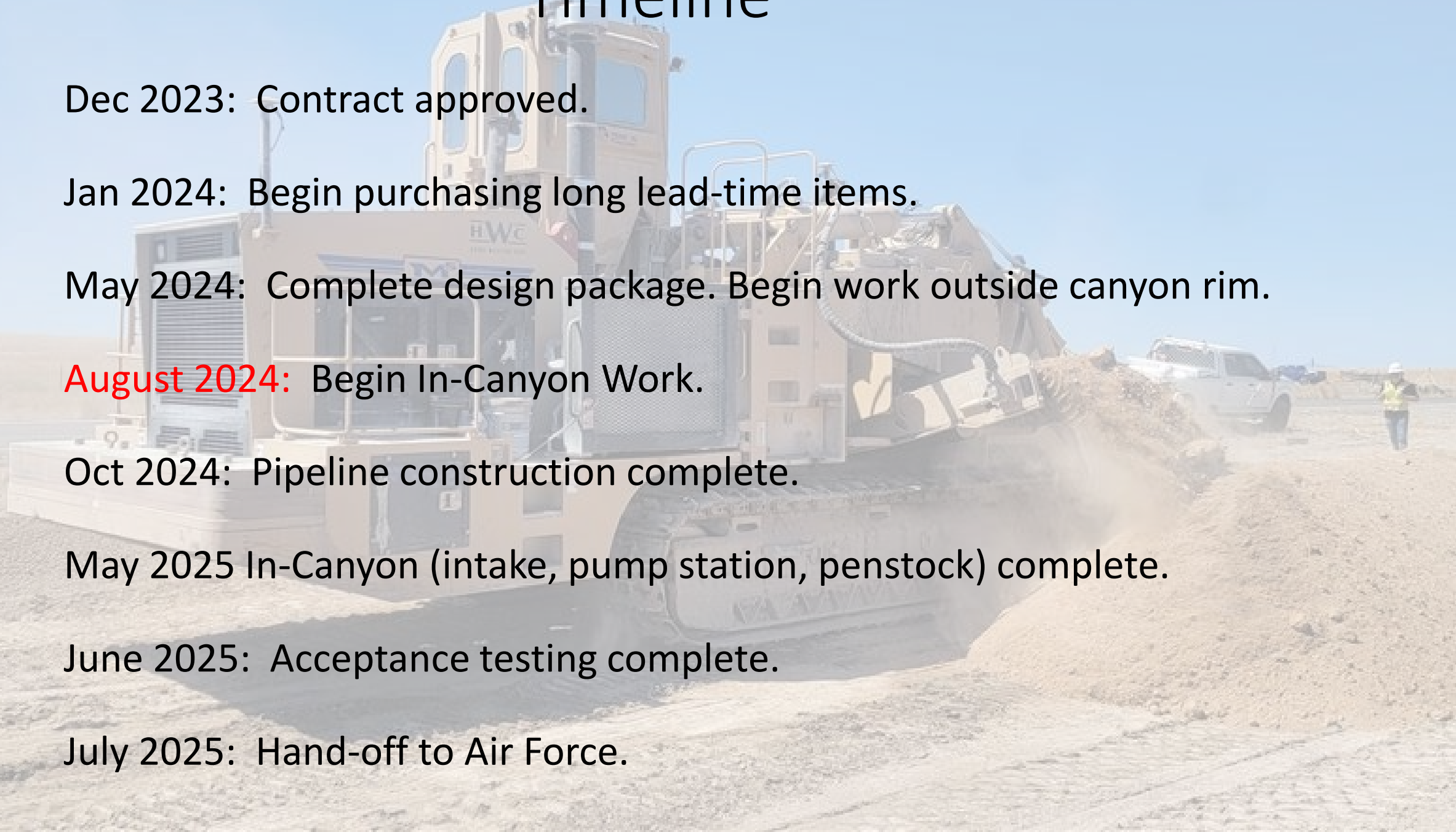
August 2024: Begin In-Canyon Work.

Oct 2024: Pipeline construction complete.

May 2025 In-Canyon (intake, pump station, penstock) complete.

June 2025: Acceptance testing complete.

July 2025: Hand-off to Air Force.



Risks to Project: Timeline

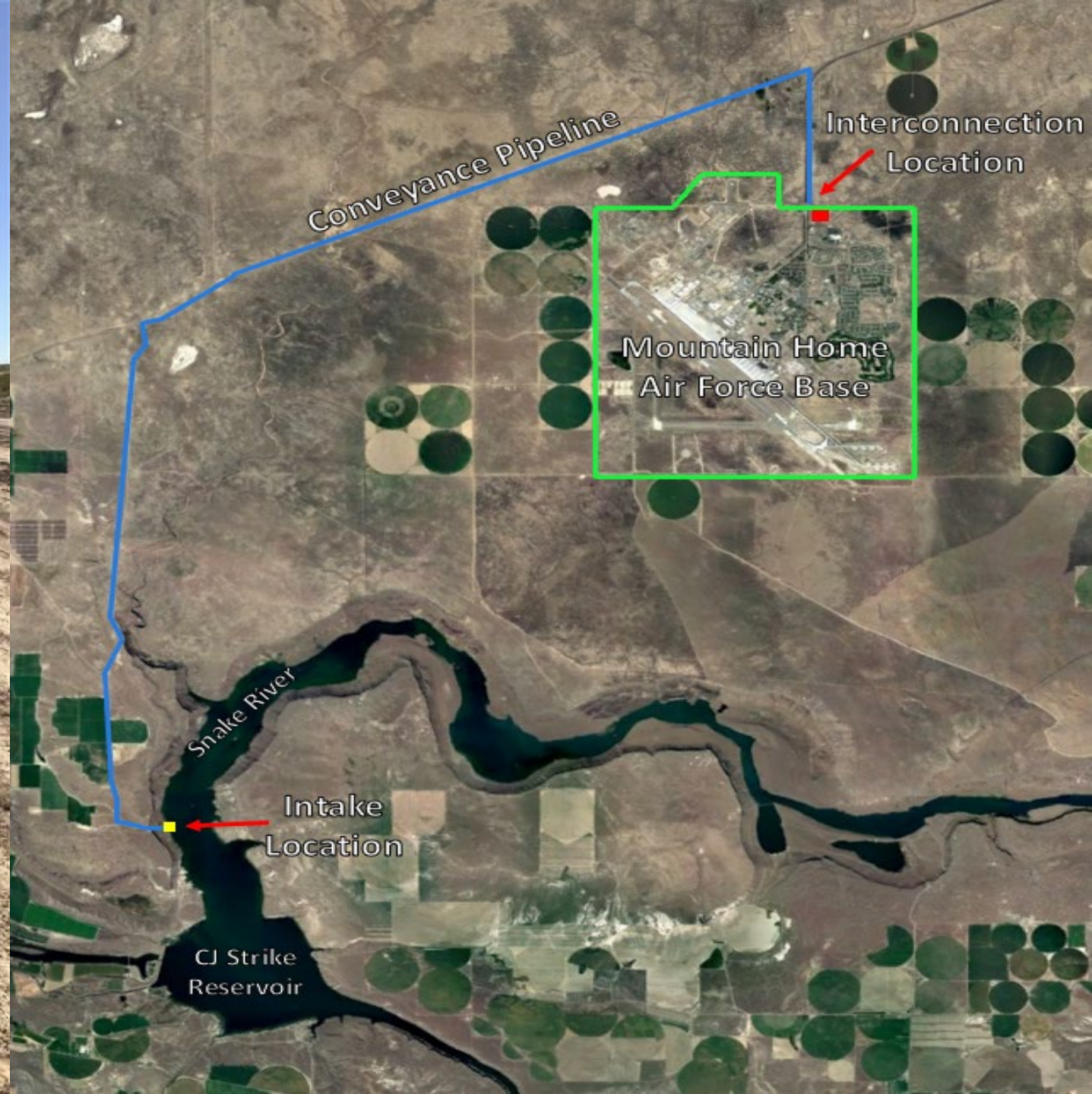
- Risks are primarily due to delays obtaining construction permits from Federal agencies.
 - Permitting has taken much longer than anticipated.
 - The risk is abating as Staff continues to work through these issues.



Risks to Project: Budget

- IMCO/Stantec have had to adjust their schedule and budget to accommodate:
 - Delays obtaining Federal Construction Permits (ongoing).
 - Schedule changes to accommodate our agreement with Simplot (complete)
 - MHHD requirements requiring us to avoid any damage to Strike Dam Road (complete).
 - Each of these changes has occasioned a Change Order from IMCO/Stantec.

Welding Pipe



Welding Pipe



Welded Pipe

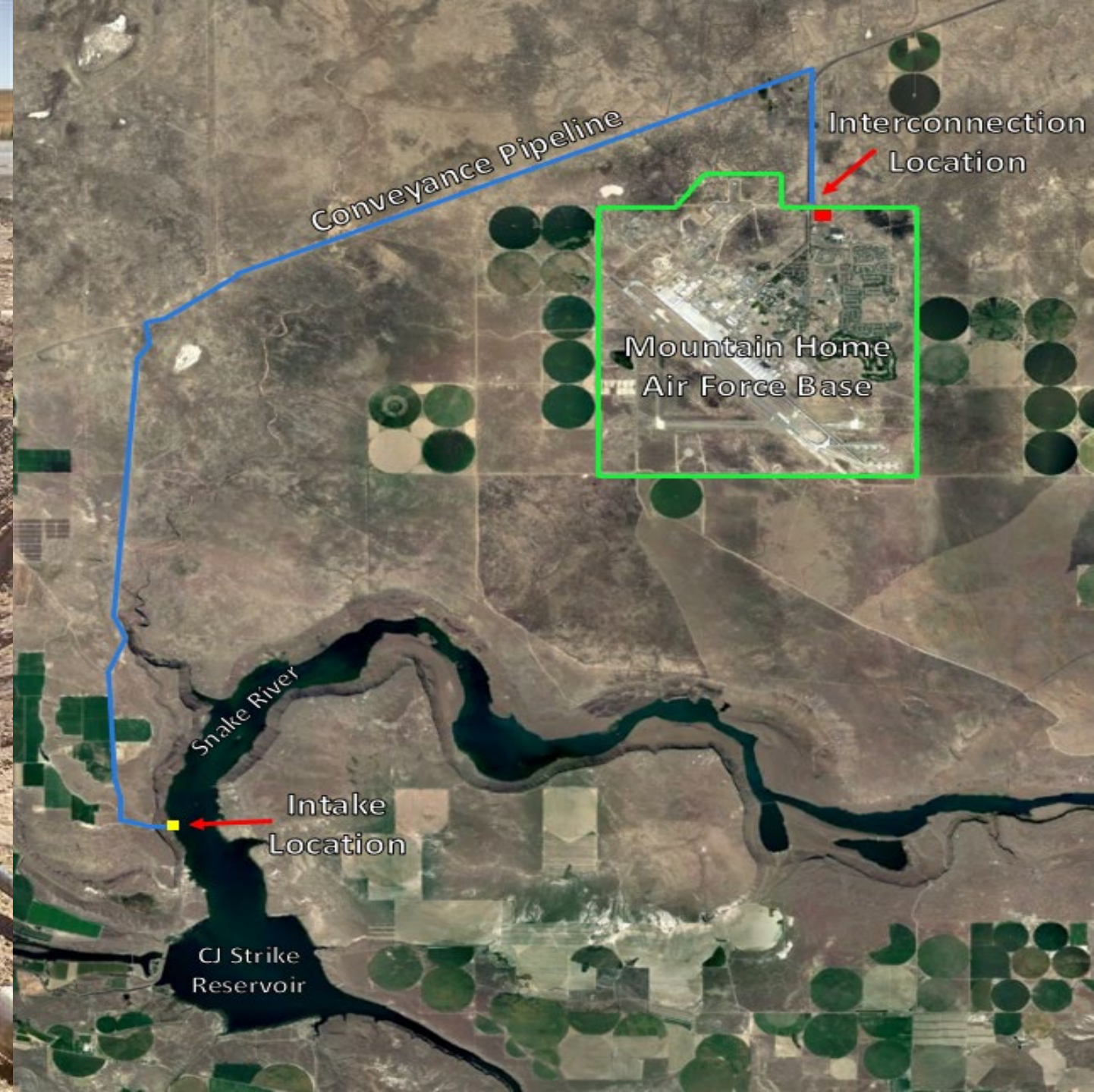


Flange Weld





Horizontal
Drilling



Trenching!



Placing Pipe



Placing Pipe



Compacted





Questions?