



Public Hearing:

Proposed Expansion of Water District No. 63

Boise, Idaho

August 27, 2013



Welcome

- Water Users/Right Holders
- Elected Officials: State/County/Local?
- IDWR/IWRB Staff
- WD 63 Staff & Advisory Committee Reps

Hearing Purpose & Agenda

- Background Presentation/Information
 - Describe proposed actions/changes
 - Reasons for proposed actions/changes
 - Review of water districts & operations
 - Review of timelines
- Questions/Answers?
- Taking of Testimony

Hearing Notice Proposal

Expand Water District 63 from current area of operation, Boise River below Lucky Peak, to the remaining portion of the basin above Lucky Peak:

- South, Middle & North Fork drainages
- Grimes & Mores Creek drainages

Area of Notice:

Upper Boise Basin – drainage area
above Lucky Peak Reservoir

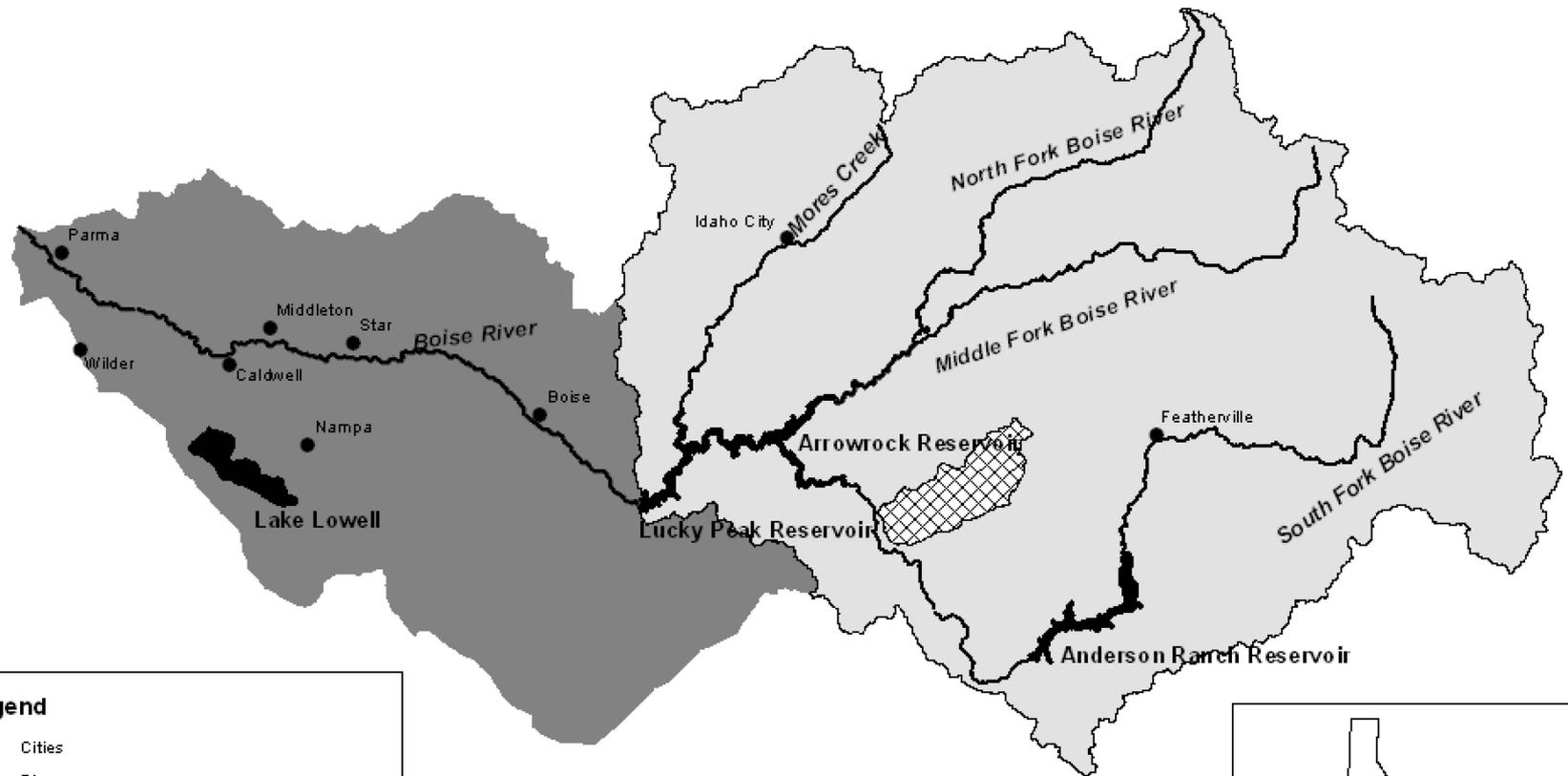
- Over 430 Notices Sent (surface water rights only)
 - Excluding in-stream stock water rights
 - Excluding Smith Creek (Water District 63-B)

Area of Notice:

Water District 63 – Boise River from Lucky Peak Reservoir to Snake River

- About 300 Notices Sent (surface water rights only)
 - Excluding in-stream stock water rights

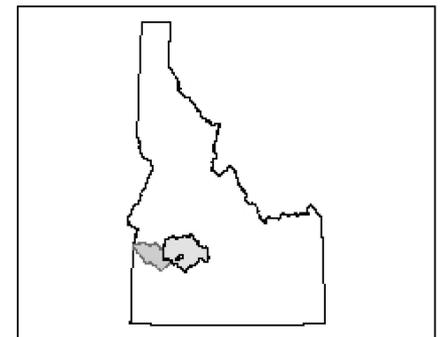
Boise River Water District 63



Legend

- Cities
- Rivers
- Reservoirs/Lakes
- Upper Boise River Proposed Expanded Area
- Current WD 63 Area of Regulation
- ▨ Smith Creek WD 63-B (Excluded)

0 12.5 25 50 Miles



Source: IDWR/agrimm

Date: 8/26/2013

Document Path: P:\AGrimm\BoiseRiverWD63Mapv2Landscape

Number of Water Rights in Area of Expansion

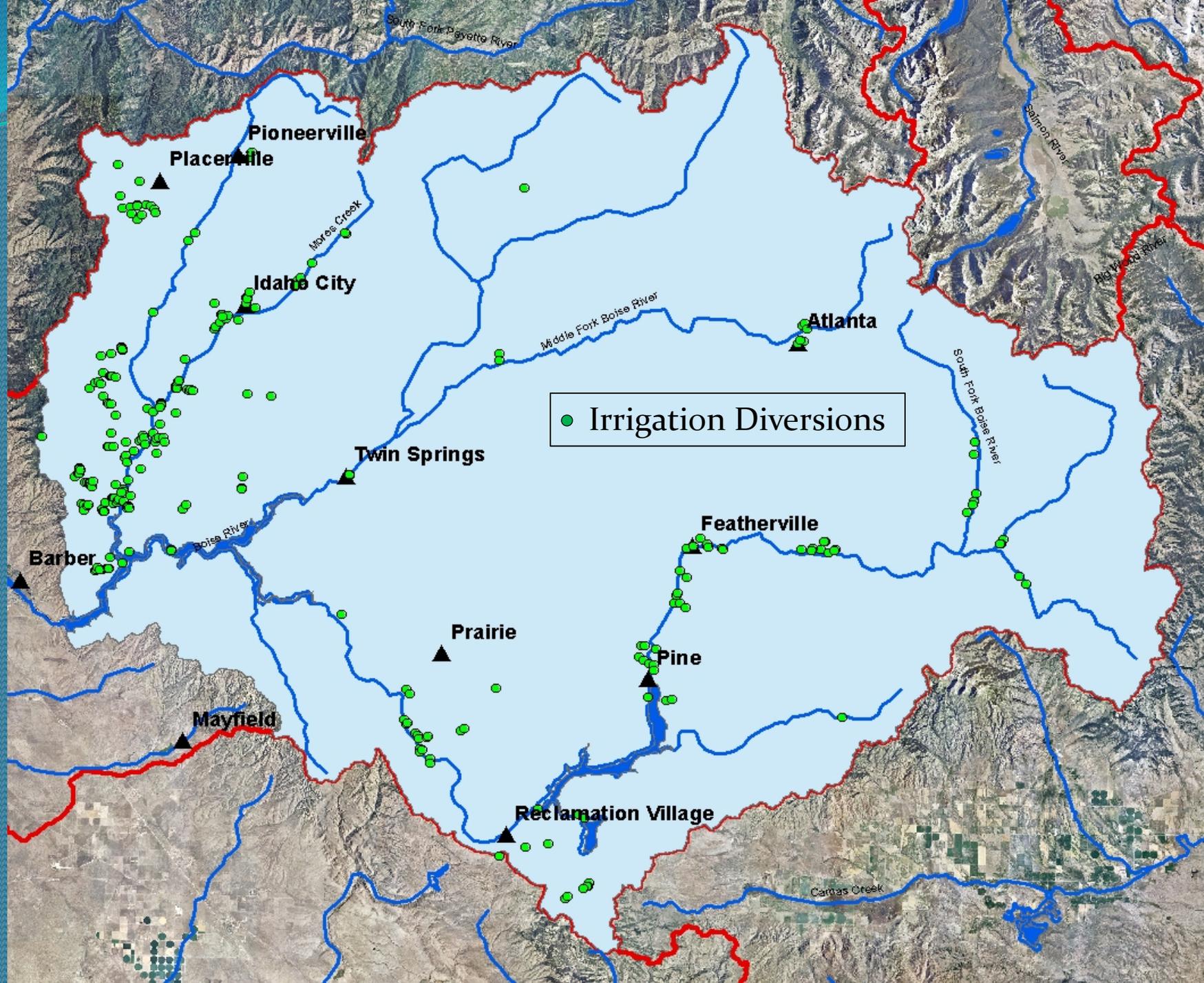
- About **1280** water rights total (excludes in-stream stock)
- About **650** water rights = Federal stock water (one inch)
- About **360** water rights = de minimis uses (≤ 0.24 cfs)
- About **120** water rights with irrig. use > 5 acres
- About **110** water rights with irrig. use ≤ 5 acre
- About **40** water rights for other uses/non-de minimis

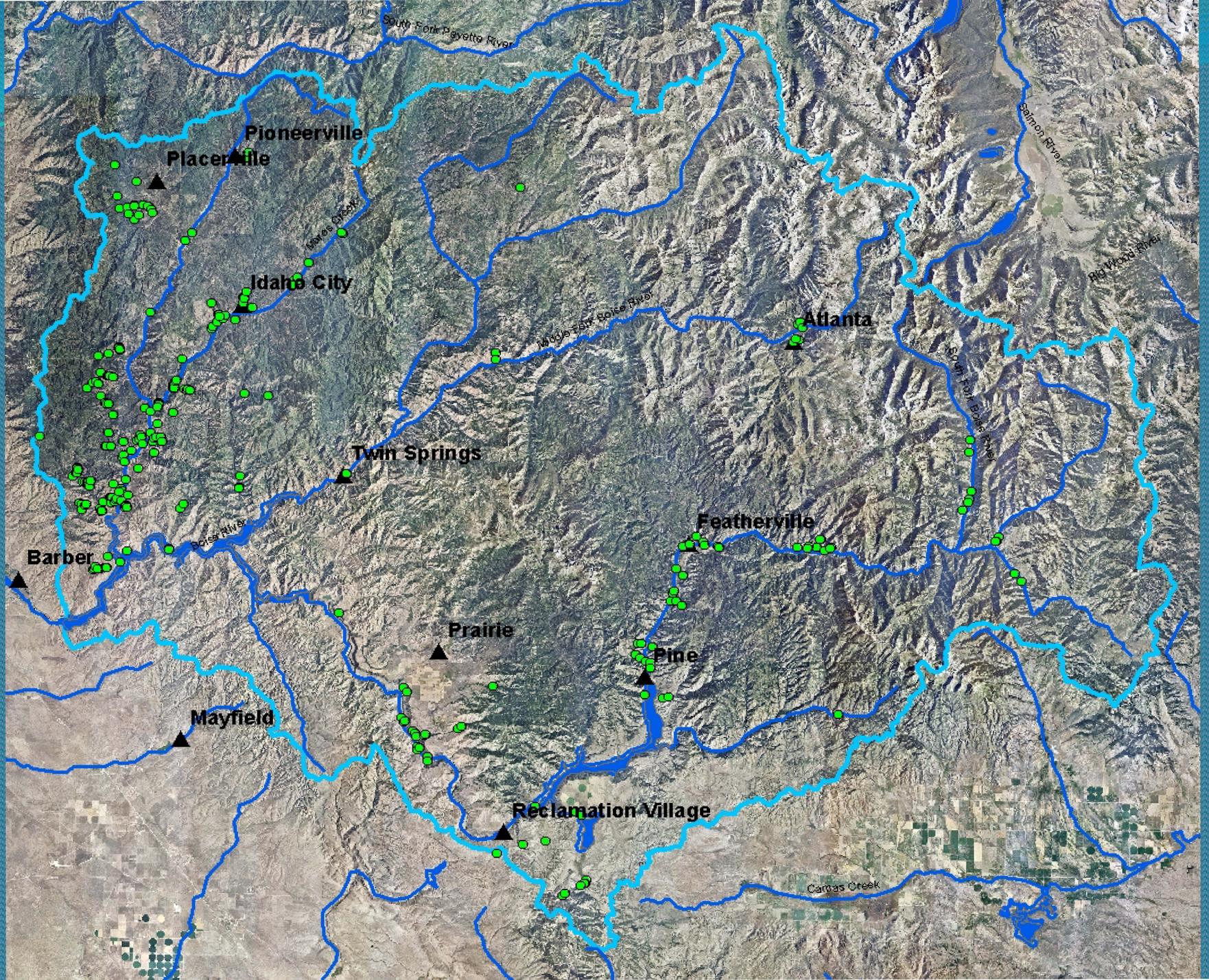
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About 270 rights with irrigation or non-deminimis use

About 275 unique irrig. PODs per water rights, estimate about 300 + PODs total





Number of Water Rights & Diversions in WD 63 (current)

- About **400** water rights total
 - Mostly irrigation rights
- **78** diversions plus three storage reservoirs

Water District 63

Current Budget & Assessments:

- 2013 Budget: \$80,000
 - 2013 Assessment Rate = \$0.10 per cfs diverted*
 - Minimum Assessment Rate = \$50.00
 - Assessments are annual

*24-hour cfs is a flow rate diverted for 24 hours or one day.
Example: a continuous diversion of 1 cfs for 20 days = 20 24-hour cfs.
One 24-hour cfs is equivalent to approximately 2 acre-feet

Why Expand Water District for this area?

- SRBA completed for this area
- SRBA District Court issued Order of Interim Administration on February 22, 2011
- Expand administration of surface water rights to entire Boise River Basin
 - provide equitable administration of rights for the whole basin and protect senior priority rights

1	REACH FLOWS IN CFS		ACTUAL	NATURAL	ACTUAL	RMAINING	OPERATN	STORED	RESRVOIR	NATURAL	TOTAL	REACH						
2			DATE	FLOW	FLOW	NAT FLOW	FLOW	FLOW	EVAP	FLOW DIV	RCH DIV	GAIN	LAST RIGHT					
3	1	TWIN SPRINGS	AUG 27	384.	384.	384.	0.	0.	0.	0.	0.	384.	18860601					
4	2	FEATHERVILLE	AUG 27	236.	236.	236.	0.	0.	0.	0.	0.	236.	18860601					
5	3	FTHRVL TO ANDERSN RANCH	AUG 27	394.	1830.	394.	0.	1436.	18.	0.	0.	158.	18860601					
6	4	ANDSN RANCH TO ARROWROCK	AUG 27	774.	3953.	774.	0.	3179.	7.	0.	0.	-4.	18860601					
7	5	MORES CREEK	AUG 27	20.	19.	20.	0.	-1.	0.	0.	1.	20.	18860601					
8	6	ARROWROCK TO LUCKY PEAK	AUG 27	806.	3846.	806.	0.	3040.	14.	0.	0.	13.	18860601					
9	7	LUCKY PEAK TO DIVSN DAM	* AUG 27	807.	1591.	780.	0.	811.	0.	27.	2255.	1.	18860601					
10	8	DIVSN DAM TO BOISE	* AUG 27	807.	1083.	637.	0.	446.	0.	143.	508.	0.	18860601					
11	9	BOISE TO GLENWOOD BR	AUG 27	806.	717.	459.	0.	258.	0.	176.	364.	-1.	18860601					
12	10	GLENWOOD BR TO MIDDLETN	AUG 27	957.	254.	0.	250.	4.	0.	361.	614.	151.	18860601					
13	11	MIDDLETON TO CALDWELL	* AUG 27	1639.	384.	352.	50.	-18.	0.	529.	552.	682.	20051228					
14	12	CALDWELL TO NOTUS	* AUG 27	1860.	433.	463.	50.	-80.	0.	111.	172.	221.	20051228					
15	13	NOTUS TO PARMA	AUG 27	2371.	721.	905.	0.	-184.	0.	119.	224.	511.	20051228					
16	* - INDICATES FLOW ESTIMATED, NOT MEASURED								TOTALS	1466.	4690.	2371.						
17																		
18	RESERVOIR	PREV CONT	CURR CONT	CHNG CONT	ACCR STOR	TOTL STOR	TOTL EV	PRIORITY	RESERVOIR	RIGHT	STORED							
19		(AF)	(AF)	(CFS)	(CFS)	(AF)	(AF)			(AF)	(AF)							
20	1	ANDERSON RANCH	261463.0	258645.0	-1420.7	0.0	0.0	2518.6	1	ARROWROCK	260624.0	0.0						
21	2	ARROWROCK	74588.0	71209.0	-1703.6	0.0	0.0	1342.8	2	ARROWROCK	11600.0	0.0						
22	3	LUCKY PEAK	263003.0	263249.0	124.0	0.0	0.0	1689.6	3	ANDERSON RANCH	449530.0	0.0						
23	4	DIVERSION DAM	814.2	816.0	0.9	0.0	0.0	0.0	4	LUCKY PEAK	223019.0	0.0						
24									5	ANDERSON RANCH	500.0	0.0						
25	TOTAL	599868.2	593919.0	-2999.3	0.0	0.0	5551.0		6	LUCKY PEAK	LTF	41351.0	0.0					
26									7	ANDERSON RANCH	LLTF	0.0	0.0					
27		CHANGE IN	STORAGE	MIDDLETON	TOTAL	UNACCT				TOTAL		986624.0	0.0					
28		CONTENT	USED	STORED	STORED	STORED				TOTAL EARLY SEASON FILL -			986624.0					
29																		
30	YEAR-TO-DATE AF	-331013.2	298194.2	53099.1	0.0	0.0				STEWART DECREE - 60%		BRYAN DECREE - 0%						
31										AVERAGING ERROR	-4099.2							
32		CFS	CFS	AF	AF	CFS	CFS	AF	AF	CFS	CFS	AF	AF					
33	DIVERSION	DIVN	STOR	USED	RMNG	DIVERSION	DIVN	STOR	USED	RMNG	DIVERSION	DIVN	STOR	USED	RMNG			
34	1	SPRING SHORES	0	0	10	-10	27	FARMERS UNION	172	131	10039	6317	53	OTTER	0	0	0	0
35	2	GREEN RANCH	0	0	0	0	28	BOISE VALLEY	37	0	0	1883	54	RIVERSIDE	165	0	0	0
36	3	OSPREY	0	0	16	278	29	CAPITOL VIEW	7	0	0	215	55	PIONEER DIXIE	83	22	4482	-4482
37	4	WILDERNESS RANCH	0	0	10	186	30	RIVERSIDE VIL	0	0	13	5	SEBREE	282	0	135	0	
38	5	USFS NURSERY	0	0	2	185	31	NEW DRY CREEK	32	6	373	3824	56	CAMPBELL	15	0	19	-19
39	6	SANDY POINT	0	0	1	-1	32	NEW UNION	3	0	0	587	58	SIEBENBERG	7	0	0	0
40	7	FISH AND GAME FL	0	0	0	49339	33	WOODS	0	0	2	-2	59	SHIPLEY	0	0	0	0
41	8	USBR FLOW	0	0	0	103614	34	LEMP	4	0	0	0	60	WAGNER	0	0	35	-35
42	9	DISCOVERY PARK	0	0	1	-1	35	WARM SPRINGS	7	0	27	33	61	GOLDEN GATE	2	0	0	0
43	10	PENITENTIARY	5	4	445	0	36	GRAHAM-GILBERT	2	0	18	0	62	SIMPLOT	1	0	0	0
44	11	NEW YORK	2250	222424	2585	322357	37	BALLENTYNE	16	10	505	1136	63	EUREKA #2	110	60	8140	-8140
45	12	SURPRIS VY/MICRN	6	0	0	2950	38	CONWAY-HAMMING	0	0	11	16	64	UPPER CENTER POI	20	0	0	0
46	13	SHAKESPEARE	0	0	0	0	39	EAGLE ISLAND PAR	0	0	21	-21	65	MCMANUS AND TEAT	0	0	75	-75
47	14	RIDENBAUGH	445	343	16223	19893	40	THOMAS AIKEN	1	0	14	18	66	VALE PUMP	0	0	1	-1
48	15	WILLIAMS PARK	0	0	2	127	41	MACE-CATLIN	6	0	1	488	67	LOWER CENTER POI	39	1	680	-680
49	16	BUBB	3	0	0	522	42	MACE-MACE	0	0	25	3	68	BOWMAN AND SWISH	12	0	26	-26
50	17	HERRICK	0	0	0	0	43	NAGY	0	0	0	0	69	BAXTER	16	6	371	-371
51	18	MEEVES	0	0	0	0	44	HART-DAVIS	7	1	178	119	70	ANDREWS	22	0	0	0
52	19	ROSSI MILL	6	0	6	282	45	MIDDLETON	115	0	0	8296	71	MCCURRY PUMP	0	0	0	0
53	20	BOISE CITY	27	2	17	669	46	BARBER	0	0	0	0	72	MAMMON	7	4	469	-469
54	21	UNITED WATER	21	20	2441	2102	47	SEVEN SUCKERS	1	0	16	128	73	HAAS	12	0	195	-195
55	22	K ALBERTSON	0	0	6	24	48	PHYLLIS	281	227	19703	40547	74	PARMA	39	28	2777	-2777
56	23	SETTLERS	124	54	4067	10462	49	EUREKA #1	28	8	496	1268	75	ISLAND HIGHLINE	58	38	3772	-3772
57	24	FAIRVIEW ACRES	7	3	190	1279	50	LITTLE PIONEER	18	0	88	1281	76	CRAWFORTH	0	0	0	0
58	25	ANN MORRISON	0	0	0	0	51	CANYON COUNTY	60	0	633	3101	77	MCCONNELL ISLAND	58	30	3641	-3641
59	26	THURMAN MILL	18	0	0	784	52	CALDWELL HIGHLIN	34	0	6	0	78	STUTHEIT	0	0	0	0
60																		

Why Expand Water District for this area?

- Regulation
 - ability to address delivery calls in all areas of Basin 63
 - assure water rights are diverted in priority
 - assure diversions are within water right limits
 - address unauthorized uses
- Administer/Manage water rights
 - assist IDWR with current/accurate records (ownership, diversion descriptions, transfers review)

Benefits of Expanded Water District?

- Regulation
 - To users in expanded area:
 - IDWR/WD63 watermaster often receives calls from right holders regarding out of priority diversions or other water use complaints
 - Availability of WD63 Rental Pool
 - Source of water for continued use of junior priority rights
 - To users in existing district area:
 - Equitable distribution of water
 - Minimize potential out of priority diversions or potential injury from upstream
 - Compensate watermaster for services to expanded area

Benefits of Expanded Water District?

- Costs/Management Efficiency
 - Lower costs to users in expanded area
 - Removes duplication of efforts/costs

Water Districts

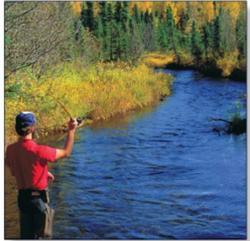
Chapter 6, Title 42, Idaho Code

Created by order of Director of IDWR for purposes of water right administration, specifically, distribution of water from public or natural water sources in accordance with water right priority dates.

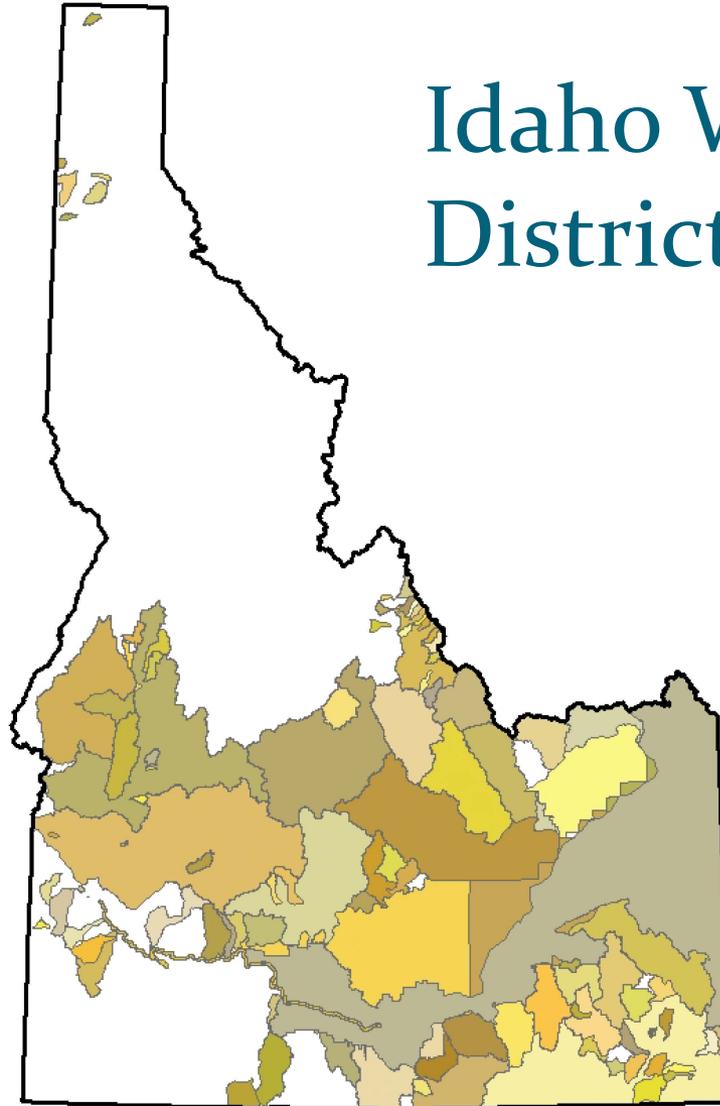
Water Districts

- Creation of Water Districts
 - “The director shall divide the state into water districts ... such that each public stream and tributaries, or independent source of water supply, shall constitute a water district.”
 - “The director may create a water district by entry of an order ... in order to properly administer uses of the water resource.”

Idaho Code § 42-604



Idaho Water Districts



Water Districts

Features

- Watermasters elected annually to provide water distribution services
 - elected by users, appointed by IDWR Director
 - compensated by users via assessments
 - receive guidance/direction from Director
- Advisory Committee elected annually
 - comprised of water users in district
 - serve in advisory capacity to watermaster and director, draft and implement resolutions, may mediate problems within district

Water Districts

- General Duties of Watermaster:
 - 1) deliver water in accordance with water right priority dates
 - authority to control/regulate diversion works
 - 2) measure and report diversions under water rights
 - 3) provide annual reports of expenses & water delivered (watermaster report, daily log books or distribution report, proposed budget)
 - 4) report and control unauthorized diversions
 - local resource/expert; review transfers

Water Districts

Meetings, Elections, Budgets

- Annual meeting held to elect watermaster, adopt a budget and resolutions, and select an advisory committee.
- Voting is by majority vote of users present, or if requested, by alternative method that involves votes equal to dollar amount assessed.

Idaho Code § 42-605

Water Districts

Meetings, Elections, Budgets

- District meeting is first Monday of March, by law, or
- Between first Monday of January & third Monday of March, by district resolution
- Director can schedule special meeting or first meeting at any time

Water Districts

Meetings, Elections, Budgets

- Amount of water use is basis for assessments.
(IC § 42-612)
- Alternative methods and flexibility provided for voting and assessment of non-consumptive uses.
(IC § 42-605A)
- Budget collected either by county or by district.
(IC § 42-612 and 42-618)
- Participation is mandatory

District Creation/Expansion

Who's usually included:

- All water rights are included (unless excluded by order), but for Administrative & Assessment purposes, IDWR may exclude:
 - domestic/stock water uses meeting definition of Sec. 42-111, Idaho Code
 - in-stream livestock (proposed to be excluded)
 - other small rights/uses (≤ 0.24 cfs)
 - minimum in-stream flow rights

Note: hydropower rights included but may be assessed differently

District Creation/Expansion Measurement Requirements:

- For Measurement Purposes, typically exclude:
 - domestic/stock water uses, in-stream livestock & other small rights/uses ≤ 0.24 cfs diversion rate
- May exclude small irrigation uses/diversions (≤ 3 or 5 acres), but could be subject to minimum assessment
- All other rights/diversions are measured
 - Estimate over 200 diversions total?

District Creation/Expansion

Proposed Scenario:

- Limit administration in first one to two years to South, North and Middle Forks drainages
 - Watermaster will inventory diversions
 - Determine measurement methods
 - Begin assessments – may start 2014
- Expand administration after several years to Grimes and Mores Creek drainages

Measurement Requirements

Likely Scenario:

- IDWR will issue separate order to require installation of measuring devices:
 - Phase-in over several years
 - Submit measurement plans prior to install dates
- Must install standard measuring devices per IDWR standards
 - Open channel (weirs, flumes, doppler meters)
 - Closed conduit (magnetic flow meters)

IDAHO Department of Water Resources



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Water Rights

Wells

Streams, Dams & Flooding

Forms

Water Data

Maps & Spatial Data

About IDWR

← Water Data

Water Measurement

Guidelines and procedures for collecting water measurement data and reporting the information to the Idaho Department of Water Resources have been developed in order to have an orderly and uniform measuring and reporting program within the State of Idaho.

The information below assists in measuring and reporting diversions pursuant to orders of the Department in the Eastern Snake Plain Aquifer (ESPA), or other areas of the state where these guidelines are referenced in such orders. The following links and guidelines are also applicable and useful for water measurement requirements within water districts.

Measurement Guidelines

-  [Minimum Acceptable Standards for Open Channel and Closed Conduit Measuring Devices](#)
-  [IDWR ESPA Water Measurement and Reporting Guidelines](#)
-  [Water Measurement Requirements and Specifications for ESPA Transfer Policies and Procedures](#)

Forms:

- » [Annual Report & Measurement Plan Forms](#)

Related Information:

- » [Idaho Water Districts](#)
- » [Eastern Snake Plain Aquifer Model](#)

Statutes:

- » [42-701 - General statutory requirement for water measurement and reporting in Idaho.](#)

Water Conversion Factors:

1 Miner's Inch =
9 gallons per minute or 0.02CFS



Measurement Requirements

Costs:

- Open Channel
 - Start at several hundred dollars for smaller size ditches
- Closed Conduit
 - Mag Meters: \approx \$2,000 – \$3,400 for 10 inch line + install
 - For smaller diameter pipe: Mag cost varies on diameter
 - \$300 to \$800 for 1 to 3 inch diameter lines
 - \$1,200 – \$2,500 for 4 to 8 inch diameter lines

Creation/Modification Timeline

Next Steps – Hearing & Order

- Ten day comment period following hearing
- Issue order late September/early October

Timeline

Next Steps – Post Order

- Organize Committee for transition
 - Include representatives from existing advisory committee and area of expansion
 - Consider budget and how to phase in areas
- WD63 annual meeting = first Monday of January

Annual Meeting

- Adopt Budget
- Elect watermaster
- Select advisory committee
 - Add members from expansion area
- Adopt operational resolutions

Annual Meeting

- Need to add advisory committee members from affected areas of order
- Determine budget and assessments
 - For diversions in areas affected first

Advisory Committee, including reps from expansion area

- Work with IDWR on:
 - Implement measurement requirements
 - Future water district budget & resolutions
 - Shaping of Water District

Questions and Discussion?

