REACH FLOWS IN CFS	ACTUAL DATE			RMAINING			DRED RESE LOW		NATURAL FLOW DIV	TOTAL RCH DIV	REACH	LAST F	RICHT	
1 TWIN SPRINGS	AUG 26					0.	0.	0.	0.	0.	296.		90601	
2 FEATHERVILLE	AUG 26	AND RESTRICT AND RESTRESS AND AND	tenta ina categoria de la terrativa de desta dell'assistante en della constituente della constituente della co	property of the Contract of th	April programme and a contract of the contract	0.	0.	0.	0.	0.	148.	والمراجعة والمعارض والمستحدث والمتحدث والمحادثات	90601	raadamaayyeeys, fi rirabbada arabbin ah aanbu hayamaa fo ja b
3 FTHRVL TO ANDERSN RANCH	AUG 26						395.	12.	0.	0.	56.		90601	
4 ANDSN RANCH TO ARROWROCK	AUG 26	607	angerstersetterheterhetersetterhertersetterhert	607.	WARRING TO STREET, THE STREET,	NATIONAL PROPERTY AND ASSOCIATION OF THE PROPERTY OF THE PROPE	158.	6.		······································	107.	**************************************	90601	
5 MORES CREEK	AUG 26	946					-1.	0.	0.	1.	9.		0601	
6 ARROWROCK TO LUCKY PEAK	AUG 26	627	7. 3203.				76.	11.	0.	0.	11.		90601	
7 LUCKY PEAK TO DIVSN DAM	* AUG 26	628	3. 1459.	600.	han water from more was are read to	0. 8	358.	0.	27.	1745.	0.	and the reason of the contract	90601	
8 DIVSN DAM TO BOISE	* AUG 26	628	3. 955.	461.		0. 4	94.	0.	139.	504.	0.	1879	90601	
9 BOISE TO GLENWOOD BR	AUG 26	626	684.	348.		0. 3	36.	0.	112.	269.	-2.	1879	90601	
10 GLENWOOD BR TO MIDDLTN	AUG 26	833	3. 280.	0.	. 25	55.	25.	0.	299.	611.	207.	1879	90601	
11 MIDDLETON TO CALDWELL	* AUG 26	1433	3. 395.	320.		50.	25.	0.	485.	485.	600.	2005	51228	
12 CALDWELL TO NOTUS	* AUG 26	1567	7. 367.	304.		50.	13.	0.	150.	163.	134.	2005	51228	
13 NOTUS TO PARMA	AUG 26			673.		0.	37.	0.	105.	155.	424.	200	1228	
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Number	Process	Priority	Cfs	Source	Use	Owner	Mitigates
2-10348	WR DECREE	1/19/1949	0.020	SNAKE RIVER	MITIGATION	WARNER	IRRIGATION & DOMESTIC, 57-11714
57-235	WR DECREE	12/10/1907	1.100	CASTLE CREEK	MITIGATION, IRRIGATION, DIV.TO STORAGE	SV RANCH LLC	POND, 57-11794
61-12232	WR DECREE	4/23/1964	0.110	GROUND WATER	MITIGATION, IRRIGATION	NAZARENE CHURCH	DOMESTIC, 61-12211
63-145	WR DECREE	6/1/1865	33.320	BOISE RIVER	MITIGATION, GW RECHARGE, IRRIGATION	EUREKA WATER CO	POND, 63-32811
63-183	WR DECREE	6/1/1870	25.720	BOISE RIVER	MITIGATION, IRRIGATION	PIONEER DITCH CO LTD	POND & IRRIGATION, 63-32602, 63-33031
63-243G	WR DECREE	5/1/1889	1.340	BOISE RIVER	MITIGATION, IRRIGATION	S. BOISE MUTUAL IRRGATION	PONDS & IRRIGATION, 63-33052, 63-33341, M. WILLIAMS PARK
63-283A	WR DECREE	4/1/1870	0.700	BOISE RIVER	MITIGATION, IRRIGATION	S. BOISE MUTUAL IRRIGATION	PONDS & IRRIGATION, 63-33454, BOISE TRAIN DEPOT
63-365	WR DECREE	7/2/1902	7.100	WARM SPRINGS CREEK	MITIGATION, IRRIGATION	HARRIS FAMILY PRT.	PONDS, HARRIS RANCH, 63-32966
63-2973	WR DECREE	12/28/1953	0.420	GROUND WATER	MITIGATION, IRRIGATION	HARRIS FAMILY PTR.	PONDS, HARRIS RANCH, 63-32966
63-31499	WR DECREE	3/1/1865	0.080	BOISE RIVER	MITIGATION	SUNDANCE INVESTMENT PRT.	IRRIGATION, 63-31258 (mitigation parent 63-270)
63-32397	WR DECREE	2/7/1969	0.050	GROUND WATER	MITIGATION	TUSCANY HOMEOWNERS ASSN	PONDS, 63-32052
63-32401	WR DECREE	2/7/1969	0.030	GROUND WATER	MITIGATION	EAGLE PRECAST CO	INDUSTRIAL & COMMERCIAL, 63-32084
63-32614	WR DECREE	3/1/1865	1.580	BOISE RIVER	MITIGATION	RIVERS END NEIGHBORHOOD ASSN	PONDS & IRRIGATION, 63-31515, 63-33400 (mitigation parent 63-270)
63-32917	WR DECREE	6/1/1865	0.440	BOISE RIVER	MITIGATION, IRRIGATION	NAGY SPRINGCREEK	POND & IRRIGATION, 63-32125, 63-32126 (mitigation parent 63-144C)
65-2256	WR DECREE	8/4/1919	32.900	GOLD FORK RIVER	MITIGATION, IRRIGATION, DIV. TO STORAGE	GOLD FORK IRRIGATING CO	PONDS, 65-23377
65-2590C	WR DECREE	4/19/1954	0.080	PAYETTE RIVER	MITIGATION	SHEPHERD	IRRIGATION, 65-22885
65-11272C	WR DECREE	6/22/1966	0.030	PAYETTE RIVER	MITIGATION	SHEPHERD	IRRIGATION 65-22885
65-23371	WR DECREE	9/9/1936	0.470	MUD CREEK	MITIGATION, IRRIGATION	KDB LLC	PONDS 65-23098
65-23373	WR DECREE	8/18/1919	0.470	LAKE FORK	MITIGATION, IRRIGATION	KDB LLC	PONDS 65-23098
63-127D	SRBA REC'D	6/1/1864	0.410	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-128D	SRBA REC'D	6/1/1865	0.720	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-129D	SRBA REC'D	6/1/1870	0.160	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-130D	SRBA REC'D	6/1/1888	0.110	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-131D	SRBA REC'D	6/1/1891	0.420	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-178D	SRBA REC'D	6/1/1869	0.540		MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-180	SRBA REC'D	6/1/1869	3.500		MITIGATION	JOHNSON FARMS	IRRIGATION SAND HOLLOW CK BELOW STAR
63-181	SRBA REC'D	6/1/1874	2.200		MITIGATION	JOHNSON FARMS	IRRIGATION SAND HOLLOW CK BELOW STAR
63-33406	SRBA REC'D	6/1/1865	3.800		MITIGATION, IRRIGATION	JOHNSON FARMS	IRRIGATION SAND HOLLOW CK BELOW STAR
63-33497	SRBA REC'D	3/1/1964	2.790		MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR
63-33511	SRBA REC'D	6/1/1865	3.200	BOISE RIVER	MITIGATION	OBENDORF	IRRIGATION SAND HOLLOW CK BELOW STAR

RIGHTS WITH MITIGATION AS BENEFICIAL USE -- Western Region 8/26/2013. Does not include transfers approved to cover new permits.

5. Boise Mutual ZAR

idt	•	1865-	1889	RIM	
ight		1927			
			(" wr	Mal Que	B

Basin	Sequence Suffix	Basis	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner
63	242 B	Decreed	5/1/1889	0.860	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	243 C	Decreed	5/1/1889	0.230	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	243 F	Decreed	5/1/1889	0.020	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	243 G	Decreed	5/1/1889	1.340	BOISE RIVER	IRRIGATION, MITIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	280	Decreed	4/1/1865	1.800	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	281	Decreed	4/1/1865	0.500	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	282	Decreed	4/1/1870	0.300	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	283 A	Decreed	4/1/1870	0.700	BOISE RIVER	IRRIGATION, MITIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	284 A	Decreed	3/1/1889	0.840	BOISE RIVER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD
63	2392 E	Decreed	9/13/1927	2.250	WASTE WATER	IRRIGATION	SOUTH BOISE MUTUAL IRRIGATION CO LTD

Mitigation "Convenience Record,"

Actually proportional King All Rights

Leld by employe

MITIGATE WITH STEWART DECREE RIGHTS

Boise River rights from the Stewart Decree usually can be used to mitigate a new consumptive use to prevent injury to senior river rights. These rights are usually identified by condition #155 used in the SRBA. That condition describes rationed cuts (100, 75, 60%) before any total curtailment of an individual Stewart Decree right can occur.

Priorities for these rights range from 1864 to 1909 and generally, maybe always, provide at least 0.02 cfs and 4.5 af (full diversion volume) per acre.

Generally, Stewart Decree rights with priorities to about mid 1880s are not totally cut off and can successfully mitigate new consumptive uses without further analysis. These rights are available for mitigation unless totally curtailed by the Watermaster. Analysis should distinguish between mitigation from a group of rights vs. from a single right.

Typical Ditch Company Situation

Ditch company has multiple Stewart Decree rights with a range of priorities, including at least some of the "uncuttable" senior rights (1860s-1880s).

Company chooses 1 right for mitigation to represent mitigation from all of its rights – so a mixture of priorities is actually in play.

Even when cut to 60%, the rights provide full volume.

Even if some of the company rights are cut to zero, it would be late enough in the season to not make a noticeable difference in the mitigation effort – those rare events could be covered by an "emergency lease of rental pool water" if necessary.

The chances that most or all of the company rights would be totally curtailed are remote if not impossible.

<u>Result:</u> Provided some of the group rights are 1885 or older, they can successfully mitigate new consumptive uses without further analysis. Rights not listed as the mitigation right are associated rights for same total acres reduction.

Typical Non-Ditch Company Situation

Sometimes a stand-alone right is provided for mitigation.

Priority is the key for this situation.

Result: An 1885 or older right can successfully mitigate new consumptive uses without further analysis. Assume a right younger than 1885 needs Watermaster confirmation that it is not totally curtailed in an average year. Call/email Watermaster to confirm and document the file.

References - see next page.

Water Right 63-243G

Owner Type

Name

Current Owner

SOUTH BOISE MUTUAL IRRIGATION CO LTD

Priority Date: 5/1/1889

Basis: Decreed Status: Active

Source

<u>Tributary</u>

BOISE RIVER SNAKE RIVER

Beneficial Use	<u>From</u>	<u>To</u>	<u>Diversion Rate</u>	<u>Volume</u>
IRRIGATION	03/01	11/15	0.420 CFS	
MITIGATION	01/01	12/31	0.920 CFS	207.0 AF
	<u>Total Di</u>	<u>version</u>	1.340 CFS	

Source and Point(s) of Diversion

BOISE RIVER

SENW

Sec. 30, Twp 03N, Rge 03E, ADA County

Place Of Use IRRIGATION within ADA County

Large POU not displayed Total Acres = 195.6

MITIGATION Same as IRRIGATION

Conditions of Approval:

1.	S45	Diversion for irrigation under this water right prior to April 1 and after October 31 shall
		occur only as authorized by the Water District 63 Water Master and only when water is
		being released for flood control by the United States from the Lucky Peak Dam outlet
		under procedures and requirements for the Memorandum of Agreement between the
		U.S. Department of the Army and the U.S. Department of the Interior for Flood Control
		Operations of the Boise River Reservoirs, dated November 20, 1953, the Water Control
		Manual for Boise River Reservoir dated April 1985 and any future amendments or
		revisions made thereto pursuant to state or federal procedures or law; provided that any
		such use of this water right prior to April 1 and after October 31 shall be subordinated to
		water rights for storage in Lucky Peak Reservoir, Lake Lowell, Arrowrock Reservoir,
		and/or Anderson Ranch Reservoir, as decreed in SRBA Case No. 39576.
2.	C18	This partial decree is subject to such general provisions necessary for the definition of
		the rights or for the efficient administration of the water rights as may be ultimately
		determined by the Court at a point in time no later than the entry of a final unified
		decree. Section 42-1412(6), Idaho Code.
3.	K06	THIS RIGHT IS LIMITED TO THE IRRIGATION OF 195.6 ACRES WITHIN THE
		BOUNDARY OF SOUTH BOISE MUTUAL IRRIGATION COMPANY.
4.	155	This right shall receive 100 percent of its decreed quantity until the natural flow of the
		waters of the Boise River shall decrease so that all rights containing this condition
		cannot receive 100 percent of their decreed quantities, at which time this right and the
		containing this condition and preceding to the earliest rights containing this condition in
		other rights containing this condition shall first be cut to 75 percent of their decreed quantities, as the natural flow of the river decreases, beginning with the latest rights
		containing this condition and preceding to the earliest rights containing this condition in

the order of their priority dates, and after all of the rights containing this condition shall have been reduced to 75 percent of their decreed quantities, should the natural flow of the waters of the river decrease below the amount necessary to supply 75 percent of those decreed quantities, then this right and the other rights containing this condition, beginning with the latest and preceding to the earliest, shall be reduced to 60 percent of their decreed quantities.

- 5. 135 The boundary encompassing the place of use for this water right is described with a digital boundary as defined by I.C. Section 42-202B(2) and authorized pursuant to I.C. Section 42-1411(2)(h). The data comprising the digital boundary are incorporated herein by reference and are stored on a CD-ROM disk issued in duplicate originals on file with the SRBA District Court and the Idaho Department of Water Resources. A map depicting the place of use is attached hereto to illustrate the place of use described by the digital boundary.
- 6. F06 THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 63-242B, 63-243F, 63-280, 63-281, 63-282, 63-283A, 63-284A & 63-2392E.
- 7. F01 WATER IS DELIVERED THROUGH BUBB CANAL
- 8. SD1 This right originated as all or part of right no. 110 in the Stewart Decree and the historic Boise River Water Masters records.

Combined Use Limits

N/A

SubCase:

N/A

Water Supply Bank:

N/A

Water Permit 63-33341

Owner Type

Name

Current Owner

CITY OF BOISE

Representative

SPF WATER ENGINEERING LLC

Priority Date: 2/18/2010

Status: Active

Source

BOISE RIVER

Tributary SNAKE RIVER

 Beneficial Use
 From 03/01 11/15
 Diversion Rate 0.800 CFS
 Volume 0.800 CFS

 Total Diversion
 0.800 CFS

Source and Point(s) of Diversion

BOISE RIVER

L8(SENE)

Sec. 30, Twp 03N, Rge 03E, ADA County

Place Of Use

IRRIGATION within ADA County

T03N R03E S19		SWSW	11.0
T03N R03E S19	L5	SESW	29.0
T03N R03E S19		SWSE	17.0
T03N R03E S30	L9	NENE	3.0
T03N R03E S30	L9	NWNE	31.0
T03N R03E S30		SWNE	13.0
T03N R03E S30	L8	SENE	2.0
T03N R03E S30		NENW	10.0
T03N R03E S30		SENW	1.0
	POLLT	otal Across	1170

POU Total Acres: 117.0

Conditions of Approval:

1.	26A	Project construction shall commence within one year from the date of permit issuance
		and shall proceed diligently to completion unless it can be shown to the satisfaction of
		the Director of the Department of Water Resources that delays were due to
		circumstances over which the permit holder had no control.

- 2. R05 Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 63, Boise River.
- 3. O1J Prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.
- 4. X27 This right is limited to the irrigation of 40 acres within the authorized place of use in a single irrigation season.
- 5. 170 To mitigate for the depletion of water resulting from the use of water under this right and to prevent injury to senior water right holders, the right holder shall cease diverting and using water as authorized by the following water rights for the purposes and amounts specified below. Moreover, the official record for the following water right will be changed to show that diversion and use of water is not authorized because the rights,

9/3/2013

IDAHO DEPARTMENT OF WATER RESOURCES Proof Report

or portion thereof, are being dedicated to mitigation purposes.

	Use Change	d Mitigation	Mitigation	Mitigation
Right No.	to Mitigation	Rate (cfs)	Volume (AF)	Acres
63-243G	Irrigation	0.80	180.0	40

The land that will no longer be irrigated under this right is located within the authorized boundary of the South Boise Mutual Irrigation Company Ltd.

If the specified mitigation right, or portion thereof, is sold, transferred, leased, used on any place of use, or is not deliverable due to a shortage of water or a priority call, then the amount of water authorized for diversion under this right approval shall be reduced by the same proportion as the reduction to the mitigation rights.

6.	R65	This right when combined with all other rights shall provide no more than 0.02 cfs pe	r
		acre nor more than 4.5 afa per acre at the field headgate for irrigation of the place of	
		use.	

7.	206	Upon specific notification by the Department, this right shall be imited to the irrigation of a specific 40 acres within the 117 acre place of use authorized by this right in a single irrigation season. If required, the specific 40 acres to be irrigated by the right holder shall be identified prior to use by submittal of a land list and a representative electronic shape file or by submittal of a land list and a map sufficiently detailed to allow creation of an electronic shape file to be associated with this right in the geographic information system component of the water rights database maintained by the department. If required, before changing the 40 acres to be irrigated within the 117 acre place of use, the right holder shall submit a new land list and representative electronic shape file or map to the Department prior to the irrigation season in which the change will occur.

8. O04 This right does not grant any right-of-way or easement across the land of another.

9. X59 This right is diverted through the Walling Ditch.

10. X60 Place of use is Marianne Williams Park.

Combined Use Limits

N/A

SubCase:

N/A

Water Supply Bank:

N/A

Water Right 63-33052

Owner Type Name

Current Owner CITY OF BOISE

Priority Date: 9/2/2009

Basis: License Status: Active

SourceTributaryGROUND WATERBOISE RIVER

Beneficial Use	<u>From</u>	<u>To</u>	Diversion Rate	<u>Volume</u>
MUNICIPAL STORAGE	01/01	12/31		64.5 AF
	Total Di	version		64.5 AF

Source and Point(s) of Diversion

GROUND WATER L5(SESW) Sec. 19, Twp 03N, Rge 03E, ADA County GROUND WATER L9(NWNE) Sec. 30, Twp 03N, Rge 03E, ADA County

Place Of Use

MUNICIPAL STORAGE within ADA County

T03N R03E S19 SWSW
T03N R03E S19 L5 SESW
T03N R03E S30 L9 NWNE

Conditions of Approval:

- 1. X60 Place of use is Marianne Williams Park.
- 2. R05 Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 63, Boise River.
- 3. 170 To mitigate for the depletion of water resulting from the use of water under this right and to prevent injury to senior water right holders, the right holder shall cease diverting and using water as authorized by the following water rights for the purposes and amounts specified below. Moreover, the official record for the following water right will be changed to show that diversion and use of water is not authorized because the rights, or portion thereof, are being dedicated to mitigation purposes.

·	Use Change	d Mitigation	Mitigation	Mitigation
Right No.	to Mitigation	Rate (cfs)	Volume (AF)	Acres
63-243G	Irrigation	0.10	22.5	5.0

The land that will no longer be irrigated under this right is located within the authorized boundary of South Boise Mutual Irrigation Company Ltd.

If the specified mitigation right, or portion thereof, is sold, transferred, leased, used on any place of use, or is not deliverable due to a shortage of water or a priority call, then the amount of water authorized for diversion under this right approval shall be reduced by the same proportion as the reduction to the mitigation rights.

4. R43 The right holder shall maintain a measuring device and lockable controlling works of a

9/3/2013

IDAHO DEPARTMENT OF WATER RESOURCES **Proof Report**

		type approved by the Department in a manner that will provide the watermaster suitable control of the diversion(s).
5.	123	Water stored under this right is subject to fluctuations of the water table caused by changes in the flow of local streams and by diversions under prior ground water rights.
		This right does not guarantee the maintenance of any particular ground water level.
6.		Water bearing zone to be appropriated is from 1 to 35 feet.
7.	220	The two (2) ponds established by the storage of water under this right shall not exceed a total capacity of 64.5 acre-feet or a total surface area of 5 acres.

Combined Use Limits

SubCase: N/A

Water Supply Bank: N/A

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Recommendation Report 63-301 V1

WATER RIGHT NUMBER: 63-301 V1

Owner Type

Name and Address

Current Owner

UNITED STATES OF AMERICA ACTING THROUGH

BUREAU OF RECLAMATION

REGIONAL DIRECTOR PN CODE-3100

1150 N CURTIS RD STE 100 BOISE, ID 83706-1234

(208)378-5306

Priority Date: 12/14/1903

Basis:

Decreed

Status:

Active

Source

Tributary

BOISE RIVER

SNAKE RIVER

Beneficial Use	From	<u>To</u>	Diversion Rate	Annual Volume
IRRIGATION FROM STORAGE	03/01 to	11/15		173,100.00 AF

DIVERSION TO STORAGE

01/01 to 12/31

2,800.000 CFS

IRRIGATION STORAGE

01/01 to 12/31

173,100.00 AF

IRRIGATION

03/01 to 11/15

1,354.580 CFS

Total Diversion: 1,354.580 CFS

Location of Point(s) of Diversion

BOISE RIVER

L7 (SW1/4NE1/4)

Sec. 9,

Twp 03N, Rge 02E, B.M.

ADA County

ADA County

BOISE RIVER

L13 (NW1/4SW1/4)

Sec. 3,

Twp 02N, Rge 03E, B.M.

Place of Use

Conditions of Approval:

- 1. The boundary encompassing the place of use for this water right is described with a digital boundary as defined by I.C. Section 42-202B(2) and authorized pursuant to I.C. Section 42-1411(2)(h). The data comprising the digital boundary are incorporated herein by reference and are stored on a CD-ROM disk issued in duplicate originals on file with the SRBA District Court and the Idaho Department of Water Resources. A map depicting the place of use is attached hereto to illustrate the place of use described by the digital boundary.
- 2. 200 The name of the United States of America acting through the Bureau of Reclamation appears in the Name and Address sections of this partial decree. However, as a matter of Idaho Constitutional and Statutory Law, title to the use of the water is held by the consumers or users of the water. The irrigation organizations act on behalf of the consumers or users to administer the use of the water for the landowners in the quantities and/or percentages specified in the contracts between the Bureau of Reclamation and the irrigation organizations for the benefit of the landowners entitled to receive distribution of this water from the respective irrigation organizations. The interest of the consumers or users of the water is appurtenant to the lands within the boundaries of or served by such irrigation organizations, and that interest is derived from law and is not based exclusively on the contracts between the Bureau of Reclamation and the irrigation organizations.

IDAHO DEPARTMENT OF WATER RESOURCES

Adjudication Recommendation Report 63-301 V1

SubCase:

SubCase Number: 63-301 Class: 1 SF5 Filed Date:

Special Master Recom Signed Date:

Attorney Assigned: Adjudication Agent: Anita Warntjes Basis of Claim: Decreed

Date Filed: 8/20/2007 Objection Status: Active
Date Filed: 6/19/2007 Objection Status: Active
Date Filed: 6/15/2007 Objection Status: Active
Date Filed: 6/13/2007 Objection Status: Active

Water Supply Bank:



United States Department of the Infermation OFFICIAL FILE COPY **BUREAU OF RECLAMATION** JUL 2 4,1995 Snake River Area Office 214 Broadway Avenue Boise, Idaho 83702-7298 DATE TO INIT CONTROL NO. 95-3843 8227 FOLDER ID July 19, 1995 FILE cy to 3317

SRAO-6415 WTR-4.10

Don Smitchger/President Settlers Irrigation District PO Box 7571 Boise ID 83707-1571

Subject: Delivery of Project Water to Government Lands within the

Settlers Irrigation District.

Dear Don:

Sometime ago your district, the Boise Project Board of Control, and the water district #63 Watermaster requested that this office assist in resolving an Arrowrock Division storage and natural flow allocation question dating back to the 1920's. After lengthy research into our files and the district records and contracts, as well as discussions with all parties concerned we have determined that a reallocation of storage space and natural flow rights is in order.

The following will give you some background information into the situation and our method of resolution. By contract of February 18, 1919, Reclamation established 420 acres of government lands within the Settlers Irrigation District. According to the contract, "the United States will provide both storage capacity in the Arrowrock Reservoir and carrying capacity in the canal system constructed by the United States...and [that the United States] will deliver to the District for distribution to the [these] lands...as nearly as practical the same proportionate share per acre of water actually available for...as is provided for similar project lands of the Boise Project outside of [Settlers], but not more however, that is needed for beneficial use on said lands."

On September 19, 1921, the Settlers Irrigation District and Anna Noble, with concurrence from Reclamation, entered into an agreement to allow 98.13 acres of Anna Noble's land to have a full government water right from the Boise Project under the provisions of the 1919 contract.

On June 12, 1931, Reclamation and Settlers Irrigation District executed Adjustment Contract B-12-4 which required Settlers Irrigation District to pay all past due construction, operation, and maintenance charges due from the district to the United States for the total 518.13 acres of project lands.

Originally the 420 acres were to receive water from a lateral off the Boise Project System as recognized in the 1919 and 1921 agreements to deliver water to the "project lands" located in Settlers Irrigation District from the Main Canal. However, the supply lateral from the Main Canal to the land in question was never constructed. Consequently, Settlers Irrigation District has transmitted the water to these lands through their diversion dam and canal system. However, the storage capacity for these project lands was retained in the Boise Project district accounts and the carrying capacity remains in the New York Canal.

We have determined that the most expeditious and direct method to correct the records and to honor previously executed contracts will be to reallocate storage amounts of the parties involved (the five irrigation districts within the Boise Project to Settlers Irrigation District Account), and to implement the new allocations through the water master. The permanent transfer of storage and natural flow water will be for the 518.13 acres of "project lands." Enclosed are two lists, one reflecting the current allocation amounts and one reflecting the amounts after the reallocations.

Reclamation will reallocate a total of 803 acre-feet of Arrowrock Reservoir storage space and 8.79 cubic feet per second of project flow rights. The apportionment of storage space will be based on the irrigable acres recognized in the 1990 Deer Flat Safety of Dams Repayment Contract number 0-07-10-W0801. Calculations for re-allocations is attached and the re-allocations are as follows:

Big Bend 8 acre feet
Boise-Kuna 238 acre feet
Nampa and Meridian 193 acre feet
New York 87 acre feet
Wilder 277 acre feet

Reclamation will add the Settlers Canal as an alternate point of diversion for 803 acre feet of Arrowrock Reservoir storage and 8.79 cubic feet per second of project flow rights for the 518.13 acres of project lands. The attached chart will indicate storage allocations after the changes have been made.

An additional condition that will require adjustments to the diversion point and the storage allocations is the delivery to 126.59 acres of Boise-Kuna lands that lie within the Settlers external boundaries. The lands continue to be Boise-Kuna lands, however, the delivery of water to these lands will be diverted through the Settlers Canal. A total of 196 acre-feet and 2.15 cubic feet per second will be taken from the Boise-Kuna account for delivery to these lands.

We will instruct the water master to make the storage reallocations as of this date and the Regional Water Rights Officer will make the necessary filings to amend the natural flow rights and points of diversion in the Snake River Basin Adjudication.

If you have further questions regarding this matter please contact Ruth Page at 334-9168.

Sincerely,

Jerrold/D./Gregg Area Manager

Enclosures

Mr. Pedro Sillonis President Big Bend Irrigation District 747 Red Top Road Adrian ID 07901

Mr. Carl German Chairman Boise-Kuna Irrigation District 129 North School Street Kuna ID 83634

Mr. Henry Weick President Nampa & Meridian Irrigation District 1503 First Street South Nampa ID 83651

Mr. Richard Murgoitio President New York Irrigation District 6616 Overland Road Boise ID 83709

Mr. Doug Norris
President
Wilder Irrigation District
PO Box 416
Caldwell ID 83605

Mr. Lee Cisco Boise River Water Master 6616 Overland Road Boise ID 83709

Boise Project Board of Control

Boise Field Solicitor's Office/ attn: Kathleen Carr SRAO-6410, PN-3300, PN-3317

1. ARROWROCK SPACE

255,064 AF

- 2. ACREAGE TOTAL FOR BOISE PROJECT (ARROWROCK DIVISION) 164,572.28 ACRES
- 3. ARROWROCK RE-ALLOCATION:

 $(255,064AF \div 164,572.28AC) = 1.55AF/AC$ 1.55AF/AC X 518.13AC = 803.02 (803 AF)

4. ARROWROCK PROJECT NATURAL FLOWS:

Government Natural Flows:

Right: 63-0301 1354.58 CFS 63-0302 634.00CFS 63-2388 300.00CFS 63-0373 292.50CFS 63-0251 219.10CFS total: 2800.18CFS

5. AMOUNT TO BE MOVED TO SETTLERS CANAL

2800.18CFS ÷ 164,572,28AC = .0170CFS/AC .0170CFS X 518.13AC = 8.81CFS

6. DEER FLAT SAFETY OF DAMS (SOD) REPAYMENT

DISTRIBUTION OF REIMBURSABLE COST (\$4,3500,000)

DISTRICT	AC	SHARE OF	
	ACRES	PERCENT	COSTS
BIG BEND	1,716.56	1.05	45,675
BOISE-KUNA	48,628.72	29.64	1,289,340
NAMPA & MERIDIAN	39,476.03	24.06	1,046,610
NEW YORK	17,699.21	10.79	469,365
WILDER	56,532.63	34.46	1,499,010
TOTAL	164,053.15	100.00	4,350,000

^{*} Acreages used to distribute SOD costs furnished in June 21, 1990 letter from Don Olowinski as adjusted by USBR and BPBOC on June 29, 1990 for Nampa & Meridian and New York irrigation districts.

7. APPORTIONMENT BY DISTRICT PER DEER FLAT SOD PERCENTAGES:

Big Bend $803 \times .0105 = 8.43 (8 \text{ AF})$

8.81x.0105 = 0.11 cfs

Boise-Kuna $803 \times .2964 = 238 \quad (238AF)$

8.81x.2964 = 2.61 cfs

Nampa/Meridian $803 \times .2406 = 193.20 (193 AF)$

8.81x.2406 = 2.11 cfs

New York $803 \times .1079 = 86.64 (86 \text{ AF})$

8.81x.1079 = .95 cfs

Wilder $803 \times .3446 = 276.71 (277 \text{ AF})$

8.81x.3446 = 3.03 cfs

SETTLERS DELIVERY TO BOISE-KUNA LANDS RECEIVING ARROWROCK STORAGE AND PROJECT NATURAL FLOWS:

 $1.55AF/AC \ X \ 126.59 \ AC = 196.21 \ (196 \ AF)$

.0170CFS/AC X 126.59 AC = 2.15 CFS

BOISE PROJECT ARROWROCK DIVISION RESERVOIR SPACEHOLDINGS

(Acre-Feet)

<u>Spaceholders</u>	Anderson Ranch	Arrowrock <u>Reservoir</u>		Total <u>Space</u>
Ballentyne Ditch Co. Boise City Canal Co.	376		1,300 1,000	1,676 1,000
Boise Project B.O.C.		232,264		232,264
Big Bend I.D.	3,887	236		4,123
Boise-Kuna I.D.	112,149	6,747		118,896
Nampa & Meridian I.D.	77,784	5,584		83,368
New York I.D.	41,006	2,414		43,420 132,927
Wilder I.D. Ridenbaugh Canal (N&M I.D.)	125,108 15,137	7,819 3,994	35,000	54,131
Boise Valley Irr. Ditch Co.	961	3,334	2,500	3,461
South Boise Mutual Irr. Co.	543		500	1,043
Canyon County Water Co.	0.0		6,000	6,000
Capitol View I.D.	460		300	760
Fairview Acres Lateral Assoc.			1,500	1,500
Eagle Island Water Users			7,650	7,650
Eureka Water Co.			2,800	2,800
Farmers Union Ditch Co.	5,727	2,926	10,000	18,653
Farmers' Coop. Ditch Co.		1,207		1,207
Middleton Irr. Assoc.			6,380	6,380
Middleton Mill Ditch Co.			4,620	4,620
New Dry Creek Ditch Co.	1,296		3,000	4,296
New Union Ditch Co.	0 174		1,400	1,400
Pioneer Ditch Co.	2,174	21 200	500	2,674
Pioneer I.D. South Boise Water Co.	25,582	21,399	16,000 700	62,981
Settlers I.D.	5,810	1,810	10,000	700 17,620
Thurman Mill Ditch Co.	3,810	1,010	800	800
U.S. Forest Service		200	000	200
Datas Water Comp	1 000			1 000
Boise Water Corp. Idaho Dept. of Fish & Game	1,000		50,000	1,000 50,000
Trinity Springs, Ltd.	800		30,000	800
Uncontracted	3,400			3,400
Uncontracted Streamflow Maint.			102,420	102,420
TOTAL ACTIVE CAPACITY (a.f.)	423,200	286,600	264,370	974,170

^{1/} Pending review of contract entitlements.

BOISE PROJECT ARROWROCK DIVISION RESERVOIR SPACEHOLDINGS

(Acre-Feet)

<u>Spaceholders</u>	Anderson <u>Ranch</u>	Arrowrock <u>Reservoir</u>	Lucky <u>Peak</u>	Total Space
Ballentyne Ditch Co. Boise City Canal Co. Boise Project B.O.C. Big Bend I.D. Boise-Kuna I.D. Nampa & Meridian I.D. New York I.D. Wilder I.D. Ridenbaugh Canal (N&M I.D.)	3,887 112,149 77,784 41,006 125,108 15,137	232,264 228 6,313* 5,391 2,327 7,542 3,994	1,300 1,000	1,676 1,000 232,264 4,123 118,896 83,368 43,420 132,927 54,131
Boise Valley Irr. Ditch Co. South Boise Mutual Irr. Co. Canyon County Water Co. Capitol View I.D. Fairview Acres Lateral Assoc.	961 543 460	3,334	2,500 500 6,000 300	3,461 1,043 6,000 760
Eagle Island Water Users Eureka Water Co. Farmers Union Ditch Co. Farmers' Coop. Ditch Co.	5,727	2,926 1,207	1,500 7,650 2,800 10,000	1,500 7,650 2,800 18,653 1,207
Middleton Irr. Assoc. Middleton Mill Ditch Co. New Dry Creek Ditch Co. New Union Ditch Co. Pioneer Ditch Co.	1,296 2,174		6,380 4,620 3,000 1,400 500	6,380 4,620 4,296 1,400 2,674
Pioneer I.D. South Boise Water Co. Settlers I.D. Thurman Mill Ditch Co.	25,582 5,810	21,399 2,809*	16,000 700 10,000 800	62,981 700 17,620 800
U.S. Forest Service Boise Water Corp. Idaho Dept. of Fish & Game	1,000	200	50,00 0	1,000 50,000
Trinity Springs, Ltd. Uncontracted Uncontracted (reserved for lake Lowell and ESA)	800 3,000 400		33,000	800 3,000 400
Uncontracted Streamflow Maint.			102,420	102,420
TOTAL ACTIVE CAPACITY (a.f.)	423,200	286,600	264,370	974,170

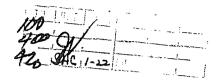
^{*} Includes water for delivery to 126.59 acres of Boise-Kuna lands served by Settlers Irrigation District 1.55 AF/AC X 129.59 AC = 196.21 (196)

SETTLERS' IRRIGATION DISTRICT

P.O. BOX 7571 • BOISE, IDAHO 83707 PHONE 344-2471



DEC 23 1991



December 20, 1991

Class WTV-410
Project 1978-60I
Ctrl # 07088477
FLDR # 1048055

Mr. Jerry Gregg Project Superintendent Bureau of Reclamation Central Snake Projects Office 214 Broadway Boise, Idaho 83702

Re: Settlers Irrigation District and Nampa & Meridian Irrigation District Water Exchange / Project acres

Dear Jerry,

Per our telephone conversation last week and the in orma nonyou requested, I have determined that Settlers delivers 329.40 acres of Project water for Nampa & Meridian Irrigation District.

If you have any questions regarding this, please phone.

Sincerely,

Vick) R. Keen, Secretary/Treasurer Settlers Trrigation District



IN REPLY

United States Department of the Interior

BUREAU OF RECLAMATION CENTRAL SNAKE PROJECTS OFFICE

214 BROADWAY AVENUE BOISE, IDAHO 83702-7298

September 20, 1991



BUREAU OF
RECLAMATION
OFFICIAL FILE COPY
SEP 24 1991
TO INIT DATE
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FILE

Memorandum

To:

100

Regional Director, Boise ID

Attention: PN-400

From:

Project Superintendent, Boise ID

Subject:

Delivery of Project Water to Government Lands within the

Settlers Irrigation District (Water Rights)

By contract of February 18, 1919, Reclamation established 420 acres of government lands within the Settlers Irrigation District. According to the contract, these lands were to receive -- "as practical the same proportionate share per acre of the water actually available from said works of the United States, both flood water and stored water, as is provided for similar project lands of the Boise Project outside of the District."

On September 19, 1921, a Ms. Anna Noble petitioned Reclamation to add an additional 98.13 acres to the government lands within the Settlers Irrigation District. This petition was accepted by Reclamation with the provision that these lands be given a full water right from the Boise Project under the provisions of the 1919 contract.

Originally the 420 acres were to receive water from a lateral off of the Boise Project system and the Boise Project Board of Control (contract dated June 12, 1931) was to deliver the water. Apparently, the lateral was never constructed and the water has been diverted at Settler's Diversion Dam and transmitted through their canal system to the lands. However, the storage rights and natural flow rights for these lands have remained with the New York Canal, requiring the Boise Board of Control (see attached letter) to make a temporary water transfer each year.

In light of the ongoing Snake River Adjudication, I believe it would be in the best interests of all parties to permanently transfer the appropriate amount of storage and natural flow water (the natural flow right would remain in the name of the United States, but the point of diversion would be changed, the storage right or permit would also remain in the name of the United States, but the allocation amounts for each district would be changed) to Settlers Irrigation District. Also, I believe we should transfer the appropriate storage and natural flow water for the 135.79 acres of Boise-Kuna lands that are located within the Settlers Irrigation District boundaries.

Relying on the concept that all government acres should receive an equal water supply, I have calculated the storage and natural flow rights as follows:

1. Total amount of Government Acres¹

$$164,920 (BPOC)^2 + 420 + 98.13 = 165,438.13 ac.$$

Arrowrock Storage allocated to Board of Control -

3. Arrowrock storage space to be reallocated from BPOC account to Settlers Irrigation District for the 420 acres, plus 135.79 acres of Boise-Kuna lands — SETTLERS ID.

$$\frac{255.871 \text{ ac-ft.}}{165.438.13 \text{ ac}} = 1.5466 \text{ ac-ft/ac} \times (420 + 135.79) \text{ ac} = 860 \text{ ac-ft}$$

4. Anderson Ranch storage³ to be reallocated from BPOC account to Settlers Irrigation District for the Boise-Kuna Lands -

- Amount of Project Natural Flow to be moved from New York Canal Headworks to the Settlers Canal Headworks: (point of diversion change)
 - a. Government Natural Flow Rights

b. Amount to be moved to Settler's Canal Headworks:

 $\frac{2800.18cfs}{165,438.13}$ ac = .0169cfs/ac

$$.0169cfs/ac \times (420 + 135.79) ac = 9.39cfs$$

The water for the 98.13 acres is delivered by the Nampa and Meridian Irrigation District. Since the Nampa and Meridian Irrigation District is part of the Board of Control it is not necessary to reallocate storage space for these lands.

Note: ¹Storage and acreage figures were obtained from 1990 Watermasters Report.
² The 135.79 acres is included in the 164,920 acres.

The Anderson Ranch Storage for the 420 acres is provided by Settlers Irrigation District's Anderson Ranch Contract.

However, should change the point of diversion in the amount of 1.66cfs (98.13 acres x .0169cfs/ac) for the 98.13 acres, from the New York Canal to the headworks of the Ridenbaugh Canal. I would propose that we amend permit number 63-0301 and change the point of diversion for 9.39cfs to Settlers Canal and 1.66cfs to the Ridenbaugh Canal.

If you agree with the above analysis, we will instruct the watermaster to make the storage reallocations and this office will make the necessary filings to amend the natural flow rights. If you have any questions, please call me.

Enclosures

cc: Settlers Irrigation District

Boise-Kuna Irrigation District

Boise Board of Control

Nampa and Meridian Irrigation District

District 63 Watermaster

Note: Know & South proper prod of deliney of the 18 of a record of material production of the floor install - but the amount of material takes of product the King E.

BOISE PROJECT BOARD OF CONTROL

March 26, 1970 2

Mr. Daniel L. Musselman, Watermaster Water District 12-A 214 Broadway Boise, Idaho 83706

Dear Mr. Musselman:

It was determined at our meeting with representatives of the Nampa and Meridian Irrigation District and the Settlers Irrigation District on March 23 that further adjustment of water supply available to the Settlers is necessary.

In addition to the water specifically defined in a letter of March 9 from this office, it was determined that the Settlers and not the Nampa and Meridian serve 135.79 acres in and being assessed by the Boise-Kuna Irrigation District.

During flood stage operation, you will allow 3 c.f.s. per day at the head of the Settlers Canal for the Boise-Kuna lands mentioned above, which will be deducted from the project's diversion right at the head of the New York Canal.

Beginning with the first day of use of allotted water by the project, 317 acre feet of Arrowrock storage based on a full reservoir will be credited to the Settlers for diversion to the same lands. Supplemental storage water in the amount of 272 acre feet from Anderson Ranch storage is also to be credited to the Settlers, contingent upon that full reservoir. The project will advise you annually on the percentage of fill of both Arrowrock and Anderson Ranch.

All amounts of water listed above have been adjusted to allow 25% for conveyance and delivery loss to provide a water supply to government rights lands comparable to all other lands of the Arrowrock Division of the Boise Project.

Should you have any questions, please contact this office.

(signed Royse Van Curen Project Manager)

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1996

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Total 1372 active

Total 1372 active

Later 3-261970 - 272 active

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OHN J. HOCKBERGER
CHARMEN OF THE BOARD
ALL HUNTSINGER
TAIRMAN OF THE BOARD
(AN CUREN
MANAGER

ARRELL

SECRETARY-TREASURER

REFERENCE—FIRST SECURITY BANK OF IDAHO—BOISE
THE IDAHO FIRST NATIONAL SANK—BOISE
BUREAU OF RECLAMATION—BOISE, IDAHO: WASHINGTON, D. C.

OPERATING AGENCY FOR 187,000
ACRES FOR THE FOLLOWING
IRRIGATION DISTRICTS:

NAMPA & MERIDIAN DISTRICT BOISE-KUNA DISTRICT WILDER DISTRICT NEW YORK DISTRICT BIG BEND DISTRICT

BOISE PROJECT BOARD OF CONTROL

(FORMERLY BOISE U. S. RECLAMATION PROJECT)
214 BROADWAY

BOX 2298 BOISE, IDAHO 83701

March 9, 1970

Class WT0-4.10

Project V78- BOJ

Ctrl # 07066 441

FLDR # 104 8055

Mr. Daniel L. Musselman, Watermaster Water District 12-A 214 Broadway Boise, Idaho 83706

Dear Mr. Musselman:

Following our discussion the other day with the group from the Settlers Irrigation District, it seems advisable that an updated confirmation of water supply for the 420 acres of Government Rights lands within and served by the district be made a matter of record. Until further notice, this letter will serve as instruction to you as to what amounts of water are to be credited by you at the head of the Settlers Canal and subtracted from the various rights of the Arrowrock Division bject.

During flood stage operation, you will allow 12 c.f.s. per day at the head of the Settlers Canal for the government lands which in turn will be deducted from the project's diversion right at the head of the New York Canal. This amount allows 25% for conveyance and delivery loss.

Beginning with the first day of use of allotted water by the project, 587 acre feet of Arrowrock storage plus/196 for conveyance and delivery will be credited to the Settlers for diversion to the same lands. At this time the 12 c.f.s. per day credit is dropped and 783 acre feet of storage is added or .02252% plus 25% for loss of Arrowrock accrued project's storage if the reservoir doesn't fill.

After some discussion with Mr. Walter Joy, Secretary-Treasurer of the Settlers Irrigation District, I find that the government rights lands are participating in the cost of the Anderson Ranch Reservoir contract between the District and The United States. This then means that their Anderson storage is already properly credited.

Jan 2, 1931

Mr. Daniel L. Musselman March 9, 1970 Page 2

Should there be any question on the computations provided in this letter, please feel free to contact this office.

Sincerely yours,

Royse Van Curen Project Manager

RVC: jb

cc: Mr. Walter Joy, Secretary-Treasurer Settlers Irrigation District CHESTER EGGERS, JR.
CHAIRMAN OF THE BOARD

M. B. SCHLOTTMAN
VICE CHAIRMAN OF THE BOARD

ROYSE VAN CUREN
PROJECT MANAGER

W. J. FARRELLSECRETARY-TREASURER

REFERENCE—FIRST SECURITY BANK OF IDAHO—BOISE
THE IDAHO FIRST NATIONAL BANK—BOISE
BUREAU OF RECLAMATION—BOISE, IDAHO: WASHINGTON, D. C.

OPERATING AGENCY FOR 167.000 ACRES FOR THE FOLLOWING IRRIGATION DISTRICTS:

NAMPA & MERIDIAN DISTRICT BOISE-KUNA DISTRICT WILDER DISTRICT NEW YORK DISTRICT BIG BEND DISTRICT

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Boise Project Board of Control

(FORMERLY BOISE U. S. RECLAMATION PROJECT)
214 BROADWAY

ass WM-4.10

Project 1976-007

Strl # 07088461

LDR # 1046055

BOX 2298 BOISE. IDAHO 83701

August 1, 1969

Mr. W. J. Joy, Secretary Settlers' Irrigation District Box 7571 Boise, Idaho 83707

Dear Mr. Joy:

Please accept my apology for being so tardy with my reply to your letter of June 30.

While facts may have changed in the last 48 or 50 years, let me point out that originally of the 518.13 acres of Settlers' government water only 420.00 acres were actually served by the Settlers' Canal. The 98.13 acres was under the Namba-Meridian Irrigation District's service area.

On this basis then the Settlers' District collects for the 518.13 acres. This amount is then transmitted to the Boise Project Board of Control less a credit equal to the annual O. & M. assessment per acre for 420.00 acres. The balance then is credited to the Nampa-Meridian District for O. & M. operation for 98.13 acres.

Should this land be served differently today than in the past, I suggest that representatives of the two districts and the Board of Control get together and come to some agreement on an adjustment.

Should you have any further question, please feel free to contact this office.

Sincerely yours,

Roysé Van Curen Project Manager

RVC: jb

Accounting Begin Date: 11/1 Accounting End Date: **Check List:** Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and HST) Update Fish Flows Notes: 2/13/12- Last day of USER winter flow. Wky Peak Last to fill: AF

37,551.0 Bor space V

1000 | Now Pry Crock V

500 Ballentyne V

500 Little Proneer to V

1000 Evreka #1

200 New Union Anderson LTF
500 Little Pioneer* New Min 600 Eagle Island Usersy 41, 351 AF Total: to little Proneer only has 500 AF of space in budy Reak. They put 1000 AFIATO the vental pool for flow augmentation. 500 AF is lucky Peak LTF Cole it is easier to fithin anderson) The venaning 500 AF comes from Anderson New DPL: 82 lines 3 update # lines in Balwara. IND New RTS & 892 lines Mussing USGS Data 13185000 Mussing 12/6/11-12/28/11 13260000 mussing 12/4/11 - 1/21/12, 1/24/12-2/19/12

13206400 missing 3/21/12 - 3/73/12

Changes Made to 2012 Boise River Accounting

- 1. Added Spring Shores Diversion 13194502. Water right 63-31077, 0.075cfs, 5/15/1955.
- 2. Added Riverside Village 13205984. Water right 63-9751, 3.21cfs, 6/23/1981.
- 3. Added Gold Gate Irrigation 13211394. Water right 63-232, 4cfs, 1/23/1877. This right was removed from the Riverside diversion and a new POD was created in the accounting. Added Vale Pump 13211791. Water right 63-9698, 3 cfs, 3/27/1981. The right was on the McManus Teater. I moved it from the McManus Teater to the new Vale pump location.
- 4. Added McCurry Pump 13212887. Water rights 63-3585, 0.56 cfs, 2/21/1967(was on Mammon 13212896) and 63-33406, .56cfs, 6/1/1985 (Was on Andrews 13212832)
- 5. Changed Mammon 13212896 water rights. New water right is 63-5179. 4/1/1946 3.19cfs.
- 6. Added Stutheit 13213002. Water rights 63-12113, 0.12cfs, 4/25/1994 and 63-276C, 0.2cfs, 5/1/1889.
- 7. 63-243G is a South Boise Mutual Right. Part of the right now provides mitigation water for the Williams Park (13203781). I updated the rights on both the Bubb Canal and the Williams Park.
- 8. 63-283A is a South Boise Mutual Right. Part of the right provides mitigation water for the Boise Depot. I reduced the right by the 0.1cfs in accordance with the water right.
- 9. Simplot Pumps (13211603). Added right 63-33515. The right is now a recommendation in the SRBA.
- 10. MCMANUS AND TEATER CANAL (13211745). Added right 63-33516. This right is now a recommendation in the SRBA.
- 11. Arrowrock. 63-303. Updated the right to match the decree. Formerly the right had a rate limit of 8,000cfs and the typical Bryan Decree step down. The new decree only has a volume limit and no step down. Updated the rights file to reflect those changes. I do not think it will impact how and when the reservoir fills.

Schulte, Mel

Erom:

Tuthill, Dave

nt:

Wednesday, February 27, 2002 5:39 PM

. ပ:

Spencer, Nick

Cc:

Hamlin Nygard, Susan; Schulte, Mel; Shaff, Don; Shurte, Jan

Subject:

RE: Arrowrock Reservoir water right

Nick,

Rather than to come and talk with you about this, I will reply by email so that we can include all in the loop.

Since you have raised several good questions, I will addrress each in turn.

1. How do we know that this instantaneous flow rate, with a relatively junior priority date, when delivered in priority, will produce a volumetric quantity precisely sufficient to fill the reservoir to its original capacity one time per season?

The flow rate of 8,000 cfs includes contributions from the North, South and Middle Forks of the Boise River. To place this flow in perspective, consider that the 100 year flood flow of the Boise River through Boise is about 16,700 cfs. This flow includes all of the outflow from Arrowrock, plus Mores Creek. The normal high flow of the Boise River through town is about 6,500 cfs. My guess is that the 8,000 cfs was computed at the time the reservoir was designed as the average annual high flow in the unregulated river.

Whether the water right is shown as a flow rate or as a storage volume does not make a difference from my perspective, relative to delivery and protection of senior rights. Regardless of the rate of flow at which water is stored, if a 1911 water right is on, storage can occur (at 8,000 cfs the reservoir would fill in less than 3 weeks). If the water is needed to fill pre-1911 water rights, the storage is off.

Regarding the fills per season, we have used the policy throughout the state for these large reservoirs that they get one fill der their priority -- more can be stored if water is available to fill all priorities. This prevents a senior reservoir from itinuing to fill and release all season long.

2. Or in fact do we know if this flow rate typically produces less than that quantity, or typically produces enough to fill the reservoir more than once? It seems to me that the total delivable volume of this right would have to fluctuate from year to year depending on the weather.

Because this is the senior storage right on a basin that produces about 2,000,000 af each year (on average), most of which (all but Mores Creek) flows through the reservoir, Arrowrock can be expected to fill most (if not all) years. The limitation on this storage -- the true measure of the right-- is the storage volume, not the rate of flow.

3. While it is indeed odd to have a storage right without a volumetric limitation on it, we have one here that has been decreed for 70 years; can we convert the instantaneous diversion rate into a volumetric quantity without either enlarging or shrinking its historical quantity?

Back when this water right was first recorded, IDWR's predecessor agency routinely recorded storage water rights with flow rates -- they really did not have a good mechanism for showing diversions volumetrically. I see this conversion as merely updating the way that we describe the right -- the right is not really changing. Don says that we used this same technique on Mackay Reservoir in the Big Lost. (As I recall, Carter has also mentioned this).

Do these responses help?

•

Dave

286,600 AF @ 8000 of = 18.06 days 271,600 AF @ 8000 of = 17.12

----Original Message-----

From:

Spencer, Nick

Sent:

Wednesday, February 27, 2002 9:59 AM

To:

Tuthill, Dave

Cc:

Hamlin Nygard, Susan; Schulte, Mel; Shaff, Don; Shurte, Jan

Subject:

RE: Arrowrock Reservoir water right

Dave, my initial concern may be based on no more than my lack of knowledge of the operation of the Boise system and typical flows on the Middle Fork and South Fork above Arrowrock. But my concern is this: how do we know that

this instantaneous flow rate, with a relatively junior priority date, when delivered in priority, will produce a volumetric quantity precisely sufficient to fill the reservoir to it's original capacity one time per season? Or in fact do we know if this flow rate typically produces less than that quantity, or typically produces enough to fill the reservoir more than once? It seems to me that the total delivable volume of this right would have to fluctuate from year to year depending on the weather. While it is indeed odd to have a storage right without a volumetric limitation on it, we have one here that has been decreed for 70 years; can we convert the instantaneous diversion rate into a volumetric quantity without either enlarging or shrinking its historical quantity? NBS

----Original Message----From: Tuthill, Dave

Sent: Wednesday, February 27, 2002 8:48 AM

To: Shurte, Jan; Spencer, Nick; Shaff, Don; Hamlin Nygard, Susan; Schulte, Mel

Subject: RE: Arrowrock Reservoir water right

Jan and others,

I am thinking that perhaps now is the time to *convert* the 8000 cfs water right in Arrowrock to a volume amount. The priority language in the decree amounts to nothing different from simply a 1/13/1911 priority water right. How would the recipients of this email feel about our converting the 8000 cfs to the volume of storage built at that time? We should discuss this with our contact at BOR -- Gail McGarry, Manager of Water Rights and Aquisitions, 378-5996. I called and spoke to Mel briefly about this -- he is planning to call Gail and investigate. We could show in explanatory provisions the genesis of the conversion, but this provides an opportunity to clear up this issue (which has alwasy been a lingering question). Any concerns about this perspective?

Dave

----Original Message----

From: Shurte, Jan

Sent: Tuesday, February 26, 2002 5:46 PM

To: Spencer, Nick; Tuthill, Dave; Shaff, Don; Hamlin Nygard, Susan

Cc: Shurte, Jan

Subject: Arrowrock Reservoir water right

In looking through the Boise River decree I did find a water right for Arrowrock. It is 63-303 and it is for 8000 cfs (no af amount) for use on lands in the Boise Valley. It is the only water right with a diversion point above the New York canal. I don't know if this makes a difference in all of our research, however, I had said I didn't believe there were any above the diversion dam and had to let you know I was wrong. Nick mentioned Arrowrock and I thought ah-oh. If you look at 63-F and in the Judge Sutton decree dated 1-30-1932 the Arrowrock right also states, "8000 second feet, with date of priority January 13, 1911, for storage in Arrow Rock Reservoir, provided that the Arrow Rock reservoir right of the United States under date of priority of January 13, 1911, shall not be subject to cut until the flow of Boise River is insufficient to supply the said right and all rights prior thereto, and that after the flow of the Boise River becomes insufficient to supply the said right, and all rights prior thereto, then the said Arrow Rock right shall be cut in its entirety before any right prior thereto shall be cut". This received the 63-303 number in the decree, but it is based on an old license 63-2158 that was superceded by the decree. Whether all of this makes a difference or not, I don't know. Just thought I'd clarify it. Thanks for working through all of this!

Jan

Date: 5/29/12 6/5/12

Accounting Begin Date: 1/1/2012 Accounting End Date: 5/11/12

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Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data v

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HST) NP

Update Fish Flows

Notes:

Updated Arrowould right 63-303 to match decree. See previous pages mussing diversion dam 5/11-5/13-interpolated missing

Date: 6/6/12

Accounting Begin Date: 5/21/12 Accounting End Date: (a)4(17)

Check List:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

ODBC Connection Fouled Post Report To Websites (including ALC and HST)

Update Fish Flows

Notes:

Missing: Will renn when we get theodata in Wildeness Ranch - 5/31 Micron - 5/31

United Water - 6/3

LOWER 5-MILE DRAIN

RATING TABLE



Based on

Demossed Condition - 2012

Gage	Q								
ft	cfs								
0.25		0.75	45	1.25	82	1.75	125	2.25	176
0.26		0.76	46	1.26	82	1.76	126	2.26	177
0.27		0.77	46	1.27	83	1.77	127	2.27	178
0.28		0.78	47	1.28	84	1.78	128	2.28	179
0.29		0.79	48	1.29	85	1.79	129	2.29	180
0.30		0.80	48	1.30	86	1.80	130	2.30	181
0.31		0.81	49	1.31	86	1.81	131	2.31	183
0.32		0.82	50	1.32	87	1.82	132	2.32	184
0.33		0.83	50	1.33	88	1.83	133	2.33	185
0.34		0.84	51	1.34	89	1.84	134	2.34	186
0.35		0.85	52	1.35	90	1.85	135	2.35	187
0.36		0.86	52	1.36	91	1.86	136	2.36	188
0.37		0.87	53	1.37	91	1.87	137	2.37	189
0.38		0.88	54	1.38	92	1.88	138	2.38	190
0.39		0.89	54	1.39	93	1.89	139	2.39	192
0.40		0.90	55	1.40	94	1.90	140	2.40	193
0.41		0.91	56	1.41	95	1.91	141	2.41	194
0.42		0.92	57	1.42	96	1.92	142	2.42	195
0.43		0.93	57	1.43	96	1.93	143	2.43	196
0.44		0.94	58	1.44	97	1.94	144	2.44	197
0.45		0.95	59	1.45	98	1.95	145	2.45	198
0.46		0.96	59	1.46	99	1.96	146	2.46	199
0.47		0.97	60	1.47	100	1.97	147	2.47	201
0.48	28	0.98	61	1.48	101	1.98	148	2.48	202
0.49	29	0.99	62	1.49	102	1.99	149	2.49	203
0.50	29	1.00	62	1.50	102	2.00	150	2.50	204
0.51	30	1.01	63	1.51	103	2.01	151	2.51	
0.52	30	1.02	64	1.52	104	2.02	152	2.52	
0.53	31	1.03	65	1.53	105	2.03	153	2.53	
0.54	32	1.04	65	1.54	106	2.04	154	2.54	
0.55	32	1.05	66	1.55	107	2.05	155	2.55	
0.56	33	1.06	67	1.56	108	2.06	156	2.56	
0.57	33	1.07	68	1.57	109	2.07	157	2.57	
0.58	34	1.08	68	1.58	110	2.08	158	2.58	
0.59	35	1.09	69	1.59	110	2.09	159	2.59	
0.60	35	1.10	70	1.60	111	2.10	160	2.60	10000
0.61	36	1.11	71	1.61	112	2.11	161	2.61	9.1
0.62	37	1.12	71	1.62	113	2.12	162	2.62	
0.63	37	1.13	72	1.63	114	2.13	163	2.63	
0.64	38	1.14	73	1.64	115	2.14	164	2.64	
0.65	38	1.15	74	1.65	116	2.15	165	2.65	
0.66	39	1.16	74	1.66	117	2.16	166	2.66	
0.67	40	1.17	75	1.67	118	2.17	167	2.67	
0.68	40	1.18	76	1.68	119	2.18	168		
0.69	41	1.19	77	1.69	120	2.19	170	2.69	
0.70	42	1.20	78	1.70	121	2.20	171	2.70	
0.71	42	1.21	78	1.71	121	2.21	172	2.71	45 6 25 2
0.72	43	1.22	79	1.72	122	2.22	173	2.72	
0.73	44	1.23	80	1.73	123	2.23	174	2.73	i, san iban
0.74	44	1.24	81	1.74	124	2.24	175	2.74	0.50
0.75	45	1.25	82	1.75	125	2.25	176	2.75	

NOTES:

- Bolded & underlined figures indicate actual field measurement points.
 Calculated flows vary between 0.6% and 1.4% from actual measurements.
 The average variance between measured and calculated flows is 0.0%.
- 2. Shaded figures are data points extrapolated outside of actual measurements.
- 3. This table is based on five flow measurements taken between March 29 and June 7, 2012.
- 4. Stage-Discharge relationship: Q_{cfs} = **14.164*GageReading**²+44.945***GageReading+3.1949** (R=0.9995), based on five readings through June 7, **2012**.



Date	Staff Gage (ft)	Measured Q (cfs)	Calculated Q (cfs)	∆ Measured vs. Calculated	Comments
March 29, 2012	0.48	27.7	27.7	0.0%	QCI, AA Meter
April 5, 2012	1.40	95.2	95.2	0.0%	QCI, AA Meter
April 20, 2012	2.25	175.0	174.5	0.3%	Liz, IDWR & Rex
May 31, 2012	2.23	172.0	172.5	0.3%	Liz, IDWR & Rex
		469.9	469.9		

Stage-Discharge relationship:

 Q_{cfs} = 11.583*GageReading²+51.604*GageReading+0.2512 (R=1.0), based on four readings through May 31, 2012.

Date: 6/5/12Accounting Begin Date: 6/5/12Accounting End Date: 6/11/12

C	h	ec	L	ı	ie	t	
·	11	ヒし	n	_	13	·L	

Officer List.
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows NA

Notes:

Notes:

13190500 6/4/12- no usgs data

Date: 6/23/12	
Accounting Begin Date:	
Accounting End Date: @/25/12	
·	
Check List:	
Dowload USBR Data	
Review USBR for Missing Data	
Get ID Power Data and Enter on Website (check for	shift changes)
Download Water Master Data	
Download USGS Data	
Load NAL	/
Post Report To Websites (including ALC and HST)	
Update Fish Flows	

m:

Rex Barrie [waterdistrict63@qwestoffice.net]

ıt:

Friday, June 29, 2012 6:50 AM

10: Subject:

Cresto, Liz Rental Pool

Liz,

Here is a list of those leasing water to BOR for flow aug. Also I will review my info and get back to you on Graham Gilbert.

2012 Rental Pool to BOR

Eureka #1

1000 AF 1

Settlers

Canyon County Ditch

2000 AF 🗸

Middleton Canal

2500 AF 1250 each between Middleton Mill and Middleton Irrigation)

Eagle Island H2O Users 600 AF //

New Union Ditch South Boise (Rossi Mill) 400 AF √

300 AF ∨

Little Pioneer

1000 AF (500 AF each from Lucky Peak and Anderson)

Total

11,300 AF

R. Barrie

se River Watermaster

Assumed Same split as 2011 for Eagle Island
Mace Catlin 5477 310,9
Hart Davis 30331 162.8
Seven Sickers 1477 79.1
Warm Springs 647 33
Conway Hamming 2472 14.4

1.3		
		1.3
1 3	20120702	
		17
13		
		10
		111
132		- 12
112		133
115		196
115		715
117		
		[18]
115		
130	TABLE 1. 2012 BOISE RIVER STORED WATER BY RESERVOIR	[20]
	TABLE 1. 2012 BUISE RIVER STORED WATER BY RESERVOIR	
123	(ACRE-FEET)	- [20]
24		73
128	RESERVOIR SPACE FILL EVAPORATION YIELD	[25]
26		- 1291
154	ARROWROCK 272224.0 272224.0 4172.0 268052.0 ANDERSON RANCH 448830.0 448830.0 2103.0 446727.0	
150	LUCKY PEAK 207475.0 207475.0 2419.0 205056.0	
130	ANDERSON LST FIL 1200.0 1200.0 0.0 1200.0	
131	LUCKY PEAK LST FIL 56895.0 56895.0 0.0 56895.0	[31]
32		
	TOTAL 986624.0 986624.0 8694.0 977930.0	[53]
34		
138		136
157		137
36		[58]
5.9		
140		130
		130
133		1731
144		[44]
146		[46]
147		1.07
135		
132		[86]
[52		
		1531
54 54 55 56		126
156		561
187		1671
		1881 1001

TABLE 2. 2012 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

NUMBE	R USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL	
13189	600 TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0	
13199	804 OSPREY	0.0	0.0	300.0	0.0	0.0	300.0	
13199	924 WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.0	
13201	050 LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0	
13201	990 F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0	
13201	991 USBR INSTREAM	0.0	0.0			40995.0	143352.0	
13203	000 NEW YORK	241321.0	351554.0		0.0		592875.0	
13203	527 SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0	
13203	527 SURPRIS VY/MICRON 760 RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0	
	005 BUBB	0.0	531.0	0.0	0.0	0.0	531.0	
13204	060 ROSSI MILL	0.0		500.0		200.0	700.0	
13204	190 BOISE CITY	0.0	0.0	700.0	0.0	0.0	700.0	
13204	200 UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.0	
13205	515 SETTLERS		5675.0		0.0	6000.0	18343.0	
13205	517 FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.0	
13205	622 THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0	
13205	640 FARMERS UNION	2779.0	5593.0	7000.0	0.0	3000.0	18372.0	
13205	641 BOISE VALLEY	0.0	939.0	1300.0	0.0	1200.0	3439.0	
13205	641 BOISE VALLEY 643 CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0	
13206	090 NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0	
	092 NEW UNION	0.0	0.0			0.0	900.0	
13206	220 WARM SPRINGS	0.0	0.0	94.5	0.0	0.0	94.5	
13206	265 BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0	
13206	270 CONWAY-HAMMING	0.0	0.0	41.1	0.0	0.0	41.1	
13206	292 MACE-CATLIN	0.0	0.0	890.1	0.0	0.0	890.1	
13208	450 HART-DAVIS	0.0	0.0	466.1	0.0	0.0	466.1	
13208	710 MIDDLETON	0.0	0.0	8500.0	0.0			
13208	740 SEVEN SUCKERS	0.0	0.0	226.3	0.0	0.0	226.3	
13209	480 PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0	
13209	482 EUREKA #1	0.0	0.0		0.0	0.0	2800.0	
13209	630 LITTLE PIONEER			0.0		500.0		
13209	990 CANYON COUNTY	0.0	0.0	3500.0	0.0	2500.0		
	992 SEBREE	1146.0	0.0	0.0	0.0		1146.0	
99999	050 ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0	
99999	080 ANDSN UNCONTRACTED	0.0	35756.0	0.0	1200.0	0.0	36956.0	
	TOTAL	272224.0	448830.0	207475.1	1200.0	56895.0	986624.1	

TABLE 3. 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

and the second s	har partitioner or control or more assessment of the free built state if their one of	ARROWROCK	*AND	ERSON RAI	NCH*	*L	UCKY PEAR	(*	
NUMBER	USER	STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILI	STORAGE	
13189600	TRINITY SPRINGS	0.0	781.5	18.5		0.0	0.0	0.0	
13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	300.0	300.0	
13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	0.0	200.0	200.0	
13201050	OSPREY WILDERNESS RANCH LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	0.0	0.0	
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	0.0 49105.9	894.1	50000.0	
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	101230.0	1127.0	102357.0	
13203000	F&G INSTREAM USBR INSTREAM NEW YORK	241321.0	200401.4	151152.6	351554.0	0.0	0.0	0.0	
13203527	SURPRIS VY/MICRON	0.0	2924.5	75.5	3000.0	0.0	0.0		
13203760	RIDENBAUGH	3794.0	0.0	14785.0	14785.0	0.0	0.0	0.0	
13204005	BUBB	0.0	440.9	90.1	531.0	0.0	0.0	0.0	
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	0.0	500.0	500.0	
13204190	ROSSI MILL BOISE CITY	0.0	0.0	0.0	0.0	540.4	159.6	700.0	
13204200	INTED WATER	0.0	97.6	902.4	1000.0	1085.8	14.2	1100.0	
13205515	SETTLERS	2668.0	303.0	5372.0				4000.0	
13205517	SETTLERS FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1281.5	218.5	1500.0	
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	779.4	20.6	800.0	
13205640	FARMERS UNION	2779.0	0.0		5593.0		5287.1	7000.0	
13205641	BOISE VALLEY	0.0	0.0	939.0	939.0	2366.0	-1066.0	1300.0	
13205643	CAPITOL VIEW NEW DRY CREEK NEW UNION	0.0	4.3	444.7	449.0	0.0	0.0	0.0	
13206090	NEW DRY CREEK	0.0	1153.9	112.1	1266.0	2000.0		3000.0	
13206092	NEW UNION	0.0	0.0	0.0	0.0	700.0	200.0	900.0	
13206220	WARM SPRINGS BALLENTYNE	0.0	0.0	0.0	0.0	0.0	94.5		
13206265	BALLENTYNE	0.0	0.0	367.0	367.0	519.1	780.9	1300.0	
13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	0.0	41.1	41.1	
13206292	MACE-CATLIN	0.0	0 : 0	0.0	0.0	0.0	890.1	890.1	
13208450	HART-DAVIS MIDDLETON	0.0	0.0	0.0	0.0	0.0	466.1	466.1	
13208710	MIDDLETON	0.0	0.0	0.0	0.0	5137.4	3362.6	8500.0	
13208740	SEVEN SUCKERS PHYLLIS EUREKA #1	0.0	0.0	0.0	0.0	0.0	226.3	226.3	
13209480	PHYLLIS	20326.0	4315.8	20670.2	24986.0	15793.8	206.2	16000.0	
13209482	EUREKA #1	0.0	0.0	0.0			1084.4	2800.0	
13209630	LITTLE PIONEER	0.0	1764.9	358.1	2123.0	493.6	-493.6	0.0	
13209990	CANVON COINTY	0.0	0.0	0.0	0 0	1643 0	1857 0	3500.0	
13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	0.0	0.0	
99999050	ANDERSON DAM POWER	0.0	0.0	6.0	6.0	0.0	0.0	0.0	
	ANDSN UNCONTRACTED					0.0			

TOTAL 27224.0 232840.1 215989.9 448830.0 191095.7 16379.3 207475.0

TABLE 3 (CONTINUED). 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

		*ANDERSON	RANCH LAS	r FILL *	* LUCKY	PEAK LAST	FILL -*	*	- TOTAL -	*
NUMBER	USER	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE
era da esta esta esta esta esta esta esta est	the obligation and the control of th									
		0.0		0.0			0.0	781.5		
13199804		0.0		0.0			0.0	0.0		
	WILDERNESS RANCH		carron, minare en amegra de la como estador.	0.0	0.0		0.0	0.0	and the second s	and a common of the control of the c
	LUCKY PEAK NURSERY			0.0	0.0		0.0	0.0		
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0		0.0			50000.0
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	and the second second second second second		101230.0		
13203000	NEW YORK	0.0	0.0	0.0	0.0			200401.4		
	SURPRIS VY/MICRON	0.0	0.0	0.0	0.0		0.0	2924.5		3000.0
AND REPORT OF THE PARTY OF THE	RIDENBAUGH	0.0	0.0	0.0	0.0	and the second of the second second second second	0.0	0.0		
13204005		0.0	0.0	0.0	0.0		0.0			
	ROSSI MILL	0.0	0.0	0.0			200.0	0.0		
	BOISE CITY	0.0		0.0	Annual Control of the		0.0	540.4		page agreement and agreement agreement and a second of
	UNITED WATER	0.0		0.0	0.0		0.0	1183.4		
13205515		0.0		0.0	0.0		6000.0		14040.0	
	FAIRVIEW ACRES	- falla san en esperatata transporter como como esta	editorio de la compania de la compa	0.0	0.0		0.0	1281.5		1500.0
	THURMAN MILL	0.0	0.0	0.0	0.0		0.0	779.4		800.0
	FARMERS UNION	0.0	0.0	0.0	0.0		3000.0	1712.9		
	BOISE VALLEY	0.0	0.0	0.0	0.0		1200.0	2366.0		3439.0
	CAPITOL VIEW	0.0		0.0	0.0		0.0	4.3		
	NEW DRY CREEK	0.0	0.0	0.0	0.0		0.0			
	NEW UNION	0.0	0.0	0.0	0.0		0.0	700.0		900.0
	WARM SPRINGS	0.0	0.0	0.0	0.0		0.0	0.0		
	BALLENTYNE	0.0	0.0	0.0	0.0		0.0	519.1		
13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0		0.0	0.0		41.1
	MACE-CATLIN	0.0		0.0			0.0	0.0		
	HART-DAVIS	0.0		0.0	0.0		0.0	0.0		466.1
typictope of the toron or one page, committee a concern require region	MIDDLETON	0.0	0.0	0.0	Commence of the property of the con-	PARAMETER STATE OF THE STATE OF	2500.0	5137.4		11000.0
	SEVEN SUCKERS		0.0	0.0	0.0		0.0	0.0		226.3
13209480		0.0	0.0	0.0	0.0		0.0	20109.6		
	EUREKA #1	0.0	0.0	0.0	0.0		0.0	1715.6	1084.4	2800.0
	LITTLE PIONEER	0.0	0.0	0.0	0.0		500.0	2258.5		
	CANYON COUNTY	0.0	0.0	0.0	0.0		2500.0	1643.0	_	
13210992		and the transfer to the state of the second	0.0	0.0	0.0	a commence of the second secon	0.0	0.0		
	ANDERSON DAM POWER			0.0	0.0		0.0	0.0		
99999080	ANDSN UNCONTRACTED	0.0	1200.0	1200.0	0.0	0.0	0.0	20652.3	16303.7	36956.0
TOTA	XL ·	0.0	1200.0	1200.0	0.0	56895.0	56895.0	423935.9	562688.1	986624.0

TABLE 4. 2012 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL	AFTER LOSS
1318960	00 TRINITY SPRINGS	0.0	796.3	0.0	796.3	0.0	0.0	796.3	790.7
1319980	04 OSPREY	0.0	0.0	296.5	296.5	0.0	0.0	296.5	294.4
1319992	4 WILDERNESS RANCH	0.0	0.0	197.7	197.7	0.0	0.0	197.7	196.3
1320109	0 LUCKY PEAK NURSERY	187.1	0.0	0.0	187.1	0.0	0.0	187.1	185.8
1320199	0 F&G INSTREAM	0.0	0.0	49417.0	49417.0	0.0	0.0	49417.0	49417.0
1320199	1 USBR INSTREAM	0.0	0.0	142158.6	142158.6	0.0	-40204.0	101954.6	101954.6
1320300	0 NEW YORK	237622.6	349906.8	0.0	587529.4	0.0	0.0	587529.4	583416.7
1320352	7 SURPRIS VY/MICRON	0.0	2985.9	0.0	2985.9	0.0	0.0	2985.9	2965.0
1320376	0 RIDENBAUGH	3735.9	14715.7	0.0	18451.6	0.0	0.0	18451.6	18322.4
1320400	5 BUBB	0.0	528.5	0.0	528.5	0.0	0.0	528.5	524.8
1320406	O ROSSI MILL	0.0	0.0	694.2	694.2	0.0	-400.0	294.2	292.1
1320419	00 BOISE CITY	0.0	0.0	691.8	691.8	0.0	0.0	691.8	687.0
1320420	00 UNITED WATER	0.0	995.3	1087.2	2082.5	0.0	2500 -0.0	2082.5	2067.9
1320551	.5 SETTLERS	2627.1	5648.4	9953.4	18228.9	0.0	-3500.0	14728.9	14625.8
1320551	7 FAIRVIEW ACRES	0.0	0.0	1482.5	1482.5	0.0	0.0	1482.5	1472.1
1320562	2 THURMAN MILL	0.0	0.0	790.7	790.7	0.0	0.0	790.7	785.1
1320564	0 FARMERS UNION	2736.4	5566.8	9918.4	18221.6	0.0	0.0	18221.6	18094.0
1320564	1 BOISE VALLEY	0.0	934.6	2484.8	3419.4	0.0	1500 -0.0	3419.4	3395.5
1320564	3 CAPITOL VIEW	0.0	446.9	0.0	446.9	0.0	0.0	446.9	443.8
1320609	00 NEW DRY CREEK	0.0	1260.1	2965.0	4225.1	0.0	0.0	4225.1	4195.5
1320609	2 NEW UNION	0.0	0.0	889.5	889.5	0.0	-300.0	589.5	585.4
1320622	0 WARM SPRINGS	0.0	0.0	93.4	93.4	0.0	-33.0	60.4	60.0
1320626	5 BALLENTYNE	0.0	365.3	1284.8	1650.1	0.0	0.0	1650.1	1638.6
1320627	0 CONWAY-HAMMING	0.0	0.0	40.6	40.6	0.0	-14.4	26.2	26.0
1320629	2 MACE-CATLIN	0.0	0.0	879.7	879.7	0.0	-310.9	568.8	564.8
	0 HART-DAVIS	0.0	0.0	460.6	460.6	0.0	-162.8	297.8	295.8
1320871	0 MIDDLETON	0.0	0.0	10900.9	10900.9	0.0	-2500.0	8400.9	8342.1
1320874	0 SEVEN SUCKERS	0.0	0.0	223.7	223.7	0.0	-79.1	144.6	143.5
1320948	0 PHYLLIS	20014.5	24868.9	15813.5	60696.9	0.0	0.0	60696.9	60272.0
1320948	32 EUREKA #1	0.0	0.0	2767.4	2767.4	0.0	-1000.0	1767.4	1755.0
1320963	0 LITTLE PIONEER	0.0	2113.1	500.0	2613.1	0.0	-1000.0	1613.1	1601.8
1320999	0 CANYON COUNTY	0.0	0.0	5959.2	5959.2	0.0	-2000.0	3959.2	3931.5
1321099	2 SEBREE	1128.4	0.0	0.0	1128.4	0.0	0.0	1128.4	1120.5
	0 ANDERSON DAM POWER	0.0	6.0	0.0	6.0	0.0	0.0	6.0	6.0
	0 ANDSN UNCONTRACTED	0.0	36788.5	0.0	36788.5	0.0	0.0	36788.5	36788.5
9999920	0 ENDANGERED SPECIES	0.0	0.0	0.0	0.0	0.0	51504.0	51504.0	51504.0
	TOTAL	268052.0	447927.0	261951.0	977930.0	0.0	-0.2	977929.8	972762.1

Date: 7/3/12 Accounting Begin Date:
Accounting Begin Date:
Accounting End Date.
Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL Reat Parent To Websites (including ALC and MST)
Post Report To Websites (including ALC and HST)
Update Fish Flows
Romi Shuff to 6/27/12.
Jone 27th Day of Allocation.
US 672 = 33,373
Date: 7/12/12
Accounting Begin Date: 61/12
Accounting End Date: 7/4/12
Cheat Link
Check List:
Dowload USBR Data
Review USBR for Missing Data Cat ID Payor Data and Enter on Website (about for shift abanges)
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL Reat Deport To Websites (including ALC and UST)
Post Report To Websites (including ALC and HST)
Update Fish Flows
Bomi Shift 1010/1 revan. Don didnot change

Rex Barrie [waterdistrict63@qwestoffice.net] Friday, July 06, 2012 8:50 AM ˈom:

nt:

Cresto, Liz 10: Rental Pool Subject:

Liz,

Last week Farmers Union placed 2000 AF in the pool for the Bureau. I could not remember if I sent you that info or not. Anyway.....

Rex R. Barrie **Boise River Watermaster**

	20120718
	19
12 13 14 15 15 17	12 13 14 15 15
TABLE 1. 2012 BOISE RIVER STORED WATER BY RESERVOIR	18 19 20 21 22 22
(ACRE-FEET)	23 24
RESERVOIR SPACE FILL EVAPORATION YIELD ARROWROCK 272224.0 272224.0 4172.0 268052.0 ANDERSON RANCH 448830.0 448830.0 2103.0 446727.0 LUCKY PEAK 207475.0 207475.0 2419.0 205056.0 ANDERSON LST FIL 1200.0 1200.0 0.0 1200.0 LUCKY PEAK LST FIL 56895.0 56895.0 0.0 56895.0	25 25 27 25 29 30 31
TOTAL 986624.0 986624.0 977930.0	1
March	1
48 49	017 48 80 80 52 23 25 25 25 25 25 25 25 25
	A CONTRACTOR OF THE CONTRACTOR

TABLE 2. 2012 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL
	13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0
	13199804	OSPREY	0.0	0.0	300.0	0.0	0.0	300.0
	13199924	WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.0
	13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0
eye birkirin sees	13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0
	13201991	USBR INSTREAM	0.0	0.0	102357.0	0.0	40995.0	143352.0
	13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0
	13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0
	13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0
	13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0
	13204060	ROSSI MILL	0.0	0.0	500.0	0.0	200.0	700.0
	13204190	BOISE CITY	0.0	0.0	700.0	0.0	0.0	700.0
	13204200	UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.0
	13205515	SETTLERS	2668.0	5675.0	4000.0	0.0	6000.0	18343.0
	13205517	FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.0
	13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0
111741111111111111111111111111111111111	13205640	FARMERS UNION	2779.0	5593.0	7000.0	0.0	3000.0	18372.0
	13205641	BOISE VALLEY	0.0	939.0	1300.0	0.0	1200.0	3439.0
	13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0
	13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0
	13206092	NEW UNION	0.0	0.0	900.0	0.0	0.0	900.0
	13206220	WARM SPRINGS	0.0	0.0	94.5	0.0	0.0	94.5
	13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0
	13206270	CONWAY-HAMMING	0.0	0.0	41.1	0.0	0.0	41.1
	13206292	MACE-CATLIN	0.0	0.0	890.1	0.0	0.0	890.1
	13208450	HART-DAVIS	0.0	0.0	466.1	0.0	0.0	466.1
	13208710	MIDDLETON	0.0	0.0	8500.0	0.0	2500.0	11000.0
	13208740	SEVEN SUCKERS	0.0	0.0	226.3	0.0	0.0	226.3
	13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0
	13209482	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0
	13209630	LITTLE PIONEER	0.0	2123.0	0.0	0.0	500.0	2623.0
	13209990	CANYON COUNTY	0.0	0.0	3500.0	0.0	2500.0	6000.0
	13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0
	99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0
	99999080	ANDSN UNCONTRACTED	0.0	35756.0	0.0	1200.0	0.0	36956.0
		TOTAL	272224.0	448830.0	207475.1	1200.0	56895.0	986624.1

TABLE 3. 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

		ARROWROCK	*AND	ERSON RAI	NCH*	*L	UCKY PEAR	ζ*	
NUMBER	USER	STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILI	STORAGE	
13189600	TRINITY SPRINGS	0.0	781.5	18.5	800.0	0.0	0.0	0.0	
13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	300.0	300.0	
13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	0.0	200.0	200.0	
13201050	OSPREY WILDERNESS RANCH LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0 49105.9	0.0	0.0	
13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	49105.9	894.1	50000.0	
13201991	USBR INSTREAM NEW YORK	0.0	0.0	0.0	0.0	101230.0	1127.0	102357.0	
13203000	NEW YORK	241321.0	200401.4	151152.6	351554.0	0.0	0.0	0.0	
13203527	SURPRIS VY/MICRON	0.0	2924.5	75.5	3000.0	0.0	0.0	0.0	
13203760	RIDENBAUGH	3794.0	0.0	14785.0	14785.0	0.0	0.0	0.0	
1 20 0 4 0 0 5	TITTE	^ ^	440 0	00 1	E 0 1 0		0.0	0.0	
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	0.0 540.4	500.0	500.0	
13204190	BOISE CITY	0.0	0.0	0.0	0.0	540.4	159.6	700.0	
13204200	UNITED WATER	0.0	97.6	902.4	1000.0	1085.8		1100.0	
13205515	ROSSI MILL BOISE CITY UNITED WATER SETTLERS FAIRVIEW ACRES	2668.0	303.0	5372.0	5675.0	4000.0	0.0		
13205517	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1281.5	218.5	1500.0	
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	779.4	20.6	800.0	
13205640	FARMERS UNION	2779.0	0.0	5593.0			5287.1	7000.0	
13205641	BOISE VALLEY	0.0	0.0	939.0	939.0	2366.0	-1066.0	1300.0	
				444.7	449.0	0.0	0.0	0.0	
13206090	NEW DRY CREEK NEW UNION	0.0	1153.9		1266.0				
13206092	NEW UNION	0.0	0.0	0.0	0.0	700.0	200.0	900.0	
13206220	WARM SPRINGS	0.0	0.0	0.0	0.0	0.0	94.5	94.5	
13206265	BALLENTYNE	0.0	0.0	367.0	367.0	519.1	780.9	1300.0	
13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	0.0	41.1	41.1	
13206292	MACE-CATLIN	0.0	0.0	0.0	0.0	0.0 0.0	890.1	890.1 466.1	
13208450	HART-DAVIS	0.0	0.0	0.0	0.0	0.0	466.1	466.1	
13208710	HART-DAVIS MIDDLETON SEVEN SUCKERS	0.0	0.0	0.0	0.0	5137.4	3362.6	8500.0	e ad sour
13208740	SEVEN SUCKERS	0.0	0.0	0.0	0.0	0.0	226.3	226.3	
13209480	PHYLLIS	20326.0	4315.8	20670.2	24986.0	15793.8	206.2	16000.0	
13209482	EUREKA #1	0.0	0.0	0.0	0.0	1715.6	1084.4	2800.0	
13209630	LITTLE PIONEER	0.0	1764.9	358.1	2123.0	493.6		0.0	
13209990	CANYON COUNTY SEBREE	0.0	0.0	0.0	0.0	1643.0	1857.0	3500.0	
13210992	SEBREE	1146.0	0.0	0.0	0.0	1643.0 0.0	0.0	0.0	
99999050	ANDERSON DAM POWER	. 0.0	0.0	6.0	6.0	0.0	0.0	0.0	
99999080	ANDSN UNCONTRACTED	0.0	20652.3	15103.7	35756.0	0.0	0.0	0.0	
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TOTAL 272224.0 232840.1 215989.9 448830.0 191095.7 16379.3 207475.0

TABLE 3 (CONTINUED). 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

NUMBER	USER				* LUCKY CARRYOVER						
13189600	TRINITY SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	781.5	18.5	800.0	
13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.0	300.0	
13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.0	200.0	
13201050	LUCKY PEAK NURSERY	7 0.0	0.0	0.0	0.0	0.0	0.0	0.0	190.0	190.0	
13201990) F&G INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	49105.9	894.1	50000.0	
13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	40995.0	40995.0	101230.0	42122.0	143352.0	
13203000	NEW YORK	0.0	0.0			0.0	0.0	200401.4	392473.6	592875.0	
13203527	SURPRIS VY/MICRON	0.0	0.0	0.0	0.0	0.0	0.0	2924.5	75.5	3000.0	
13203760	RIDENBAUGH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18579.0	18579.0	
13204009	BUBB	0.0	0.0	0.0	0.0	0.0	0.0	440.9	90.1	531.0	
13204060	ROSSI MILL	0.0	0.0	0.0	0.0	200.0	200.0	0.0	700.0	700.0	
13204190	BOISE CITY	0.0	0.0	0.0	0.0	0.0	0.0	540.4	159.6	700.0	
13204200	UNITED WATER	0.0	0.0	0.0	0.0	0.0	0.0	1183.4	916.6	2100.0	
13205515	SETTLERS	0.0	0.0	0.0	0.0	6000.0	6000.0	4303.0	14040.0	18343.0	
1320551	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	0.0	0.0	1281.5	218.5	1500.0	
13205622	THURMAN MILL	0.0	0.0	0.0	0.0	0.0	0.0	779.4	20.6	800.0	
13205640) FARMERS UNION	0.0	0.0	0.0	0.0	3000.0	3000.0	1712.9	16659.1	18372.0	
13205643	BOISE VALLEY	0.0	0.0	0.0	0.0	1200.0	1200.0	2366.0	1073.0	3439.0	
13205643	CAPITOL VIEW	0.0	0.0	0.0	0.0	0.0	0.0	4.3	444.7	449.0	
13206090	NEW DRY CREEK	0.0	0.0	0.0	0.0	0.0	0.0	3153.9	1112.1	4266.0	
13206092	NEW UNION	0.0	0.0	0.0	0.0	0.0	0.0	700.0	200.0	900.0	
13206220	WARM SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	94.5	
13206265	BALLENTYNE	0.0	0.0	0.0	0.0	0.0	0.0	519.1	1147.9	1667.0	
13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.1		
13206292	MACE-CATLIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	890.1		
13208450	HART-DAVIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	466.1	466.1	
13208710	MIDDLETON	0.0	0.0	0.0	0.0	radoniki seria caran agaraga an eteks carante	2500.0	5137.4			
13208740	SEVEN SUCKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
13209480	PHYLLIS	0.0	0.0	0.0	0.0	0.0	0.0	20109.6	41202.4		
13209482	EUREKA #1	0.0	0.0	0.0	0.0	0.0	0.0	1715.6	1084.4	and the second of the second o	
13209630	LITTLE PIONEER	0.0	0.0	0.0	0.0	500.0	500.0	2258.5	364.5	2623.0	
13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	2500.0	2500.0	1643.0	4357.0	6000.0	
13210992	SEBREE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1146.0	1146.0	e e e e e e e e e e e e e e e e e e e
99999050	ANDERSON DAM POWER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	
99999080	ANDSN UNCONTRACTED	0.0	1200.0	1200.0	0.0	0.0	0.0	20652.3	16303.7	36956.0	
TO	PAL () - () () () () () () ()	0.0	1200.0	1200.0	0.0	56895.0	56895.0	423935.9	562688.1	986624.0	

TABLE 4. 2012 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL A	AFTER LOSS	
13189600	TRINITY SPRINGS	0.0	796.3	0.0	796.3	0.0	0.0	796.3	790.7	
13199804	OSPREY	0.0	0.0	296.5	296.5	0.0	0.0	296.5	294.4	
13199924	WILDERNESS RANCH	0.0	0.0	197.7	197.7	0.0	0.0	197.7	196.3	
13201050	LUCKY PEAK NURSERY	187.1	0.0	0.0	187.1	0.0	0.0	187.1	185.8	
13201990	F&G INSTREAM	0.0	0.0	49417.0	49417.0	0.0	0.0	49417.0	49417.0	
13201991		0.0	0.0	142158.6	142158.6	0.0	-38204.0	103954.6	103954.6	
	NEW YORK	237622.6	349906.8	0.0	587529.4	0.0	0.0	587529.4	583416.7	
13203527	SURPRIS VY/MICRON	0.0	2985.9	0.0	2985.9	0.0	0.0	2985.9	2965.0	
13203760	RIDENBAUGH	3735.9	14715.7	0.0	18451.6	0.0	0.0	18451.6	18322.4	
13204005		0.0	528.5	0.0	528.5	0.0	0.0	528.5	524.8	
13204060	ROSSI MILL	0.0	0.0	694.2	694.2	0.0	-400.0	294.2	292.1	
13204190	BOISE CITY	0.0	0.0	691.8	691.8	0.0	0.0	691.8	687.0	
13204200	UNITED WATER	0.0	995.3	1087.2	2082.5	0.0	2500 0.0	2082.5	2067.9	
13205515	SETTLERS	2627.1	5648.4	9953.4	18228.9	0.0	-3500.0	14728.9	14625.8	
13205517	FAIRVIEW ACRES	0.0	0.0	1482.5	1482.5	0.0	0.0	1482.5	1472.1	
13205622	THURMAN MILL	0.0	0.0	790.7	790.7	0.0	0.0	790.7	785.1	
13205640	FARMERS UNION	2736.4	5566.8	9918.4	18221.6	0.0		16221.6	16108.0	
13205641	BOISE VALLEY	0.0	934.6	2484.8	3419.4	0.0	-1500 0.0 T	3419.4	3395.5	
13205643	CAPITOL VIEW	0.0	446.9	0.0	446.9	0.0	0.0	446.9	443.8	
13206090	NEW DRY CREEK	0.0	1260.1	2965.0	4225.1	0.0		4225.1	4195.5	
13206092	NEW UNION	0.0	0.0	889.5	889.5	0.0	-300.0	589.5	585.4	
13206220	WARM SPRINGS	0.0	0.0	93.4	93.4	0.0	-33.0	60.4	60.0	
13206265	BALLENTYNE	0.0	365.3	1284.8	1650.1	0.0	0.0	1650.1	1638.6	
13206270	CONWAY-HAMMING	0.0	0.0	40.6	40.6	0.0	-14.4	26.2	26.0	
13206292	MACE-CATLIN	0.0	0.0	879.7	879.7	0.0	-310.9	568.8	564.8	
13208450	HART-DAVIS	0.0	0.0	460.6	460.6	0.0	-162.8	297.8	295.8	
13208710	MIDDLETON	0.0	0.0	10900.9	10900.9	0.0	-2500.0	8400.9	8342.1	
13208740	SEVEN SUCKERS	0.0	0.0	223.7	223.7	0.0	-79.1	144.6	143.5	
13209480	PHYLLIS	20014.5	24868.9	15813.5	60696.9	0.0	0.0	60696.9	60272.0	
13209482	EUREKA #1	0.0	0.0	2767.4	2767.4	0.0	-1000.0	1767.4	1755.0	
13209630	LITTLE PIONEER	0.0	2113.1	500.0	2613.1	0.0	-1000.0	1613.1	1601.8	
13209990	CANYON COUNTY	0.0	0.0	5959.2	5959.2	0.0	-2160- 2000- 0	3959.2	3931.5	
13210992	SEBREE	1128.4	0.0	0.0	1128.4	0.0	-1000 0.0	1128.4	1120.5	
99999050	ANDERSON DAM POWER	0.0	6.0	0.0	6.0	0.0	0.0	6.0	6.0	
99999080	ANDSN UNCONTRACTED	0.0	36788.5	0.0	36788.5	0.0		36788.5	36788.5	
99999200	ENDANGERED SPECIES	, , 0.0	0.0	0.0	0.0	0.0	51504.0	51504.0	51504.0	
	TOTAL	268052.0	447927.0	261951.0	977930.0	0.0	-0.2	977929.8	972776.1	.44

Date: 7/18/2012 **Accounting Begin Date:**

Accounting End Date: 7/Kg/12

Check List:

Dowload (JSBR I	Data
-----------	--------	------

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HSF)

Update Fish Flows

Notes:

Date: 7/18/12

Accounting Begin Date: 6/27/ル Accounting End Date:

Check List:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HST)

Update Fish Flows

Notes:

Updated Farner's Vnion rental pool and ve ran accounting

Date: 7/25/12Accounting Begin Date: 6/27/12Accounting End Date: 7/25/12List:

Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes: Ny canal Shift to 6/17/12

Revan from day of allocation ble of the Nyc shift.

Date: 8/1/12

Accounting Begin Date: 7/23/12 6/27/12

Accounting End Date: 7/30/12

Check List:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and NST)

Update Fish Flows NX

Notes:

m: Rex Barrie [waterdistrict63@qwestoffice.net]

nt: Monday, August 06, 2012 7:39 AM

ro: Cresto, Liz Subject: Rental Pool

Liz,

I have some rental pool lease's that I may not have passed on to you for accounting.

United Water 1500 af from Boise Valley Irrigation Co. and 1000 from Farmers Co-op.

Marianne Williams Park 160 af from Canyon County Water Co.

Two Rivers HOA (Graham Gilbert) 80 af from the pool. ***

Riverside Village 13 af from the pool. ***

*** These are from the general pool and I will break it down after water.

Rex R. Barrie Boise River Watermaster

From:

Rex Barrie [waterdistrict63@qwestoffice.net] Thursday, August 09, 2012 6:46 AM

nt:

Cresto, Liz . ن: Subject: Thomas Aiken

Liz,

Here is another late Rental Pool update.

The Two Rivers HOA leased 80 AF for the Thomas Aiken.

Rex R. Barrie

Boise River Watermaster

GONDA GULLET

Accounting End Date: **Check List:** Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) -Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and HST) Update Fish Flows Notes: Bomi Shift to 7/7 Added rental pool adjustments Date: **Accounting Begin Date: Accounting End Date: Check List:** Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and NST) Update Fish Flows

Accounting Begin Date:

Notes:

2 3		
		20120809
8 9 10 11		
13 14 15 16 17 18		1 C
20	TABLE 1. 2012 BOISE RIVER STORED WATER BY RESERVO	
24	(ACRE-FEET)	2.4 miles - 2.5 - 2.5
7.5 2.6 2.7	RESERVOIR SPACE FILL EVAPORATION ARROWROCK 272224.0 272224.0 4172.0	YIELD 268052.0 27
28 29 30 31		446727.0 285056.0 28 280.0 280
32 32 33 34 35		977930.0
55 58 18 40 41 42		127 237 59 40 40 42 42
42 44 55 46 47		Company Comp
45		
52 53 54		
CL Primary president per contract contr		

TABLE 2. 2012 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL	
	13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0	
	13199804	OSPREY	0.0	0.0	300.0	0.0	0.0	300.0	
	13199924	WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.0	
	13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0	
	13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0	
	13201991	USBR INSTREAM	0.0	0.0	102357.0	0.0	40995.0	143352.0	
	13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0	
	13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0	
	13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0	
	13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0	
	13204060	ROSSI MILL	0.0	0.0	500.0	0.0	200.0	700.0	
	13204190	BOISE CITY	0.0	0.0	700.0	0.0	0.0	700.0	
	13204200	UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.0	
	13205515	SETTLERS	2668.0	5675.0	4000.0	0.0	6000.0	18343.0	
	13205517	FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.0	
	13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0	
	13205640	FARMERS UNION	2779.0	5593.0	7000.0	0.0	3000.0	18372.0	
	13205641	BOISE VALLEY	0.0	939.0	1300.0	0.0	1200.0	3439.0	
	13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0	
	13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0	
	13206092	NEW UNION	0.0	0.0	900.0	0.0	0.0	900.0	
	13206220	WARM SPRINGS	0.0	0.0	94.5	0.0	0.0	94.5	
	13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0	
	13206270	CONWAY-HAMMING	0.0	0.0	41.1	0.0	0.0	41.1	
	13206292	MACE-CATLIN	0.0	0.0	890.1	0.0	0.0	890.1	
		HART-DAVIS	0.0	0.0	466.1	0.0	0.0	466.1	
		MIDDLETON	0.0	0.0	8500.0	0.0	2500.0	11000.0	
ndorum fo	north the transformation of the north and the	SEVEN SUCKERS	0.0	0.0	226.3	0.0	0.0	226.3	
	13209480		20326.0	24986.0	16000.0	0.0	0.0	61312.0	
	-	EUREKA #1	0.0	0.0	2800.0	0.0	0.0	2800.0	
	and a manage part of an arrangement of	LITTLE PIONEER	0.0	2123.0	0.0	0.0	500.0	2623.0	
		CANYON COUNTY	0.0	0.0	3500.0	0.0	2500.0	6000.0	
	13210992		1146.0	0.0	0.0	0.0	0.0	1146.0	
yd 10g 10g		ANDERSON DAM POWER	0.0	6.0	0.0	0.0		6.0	
	99999080	ANDSN UNCONTRACTED	0.0	35756.0	0.0	1200.0	0.0	36956.0	
		TOTAL	272224.0	448830.0	207475.1	1200.0	56895.0	986624.1	

TABLE 3. 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

		0.00 million - 1.00 m The transfer of the transfer o	ARROWROCK	*AND	ERSON RAI	NCH*	*Ll	UCKY PEAK	*	
	NUMBER	USER	STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILL	STORAGE	
	13189600	TRINITY SPRINGS OSPREY WILDERNESS RANCH	0.0	781.5	18.5	800.0	0.0 0.0 0.0	0.0	0.0	
	13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	300.0	300.0	
	13199924	WILDERNESS RANCH	0.0					200.0		restant.
		LUCKY PEAK NURSERY		0.0	0.0	0.0		0.0	0.0	
			0.0	0.0	0.0	0.0	49105.9	894.1	50000.0	
	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	101230.0	1127.0	102357.0	
	13203000	NEW YORK	241321.0	200401.4	151152.6	351554.0	0.0	0.0	0.0	
		SURPRIS VY/MICRON			75.5		0.0	0.0	0.0	
e de la constante de la consta	13203760	RIDENBAUGH	3794.0	0.0	14785.0	14785.0	0.0	0.0	0.0	
	13204005	BUBB ROSSI MILL	0.0	440.9	90.1	531.0	0.0	0.0	0.0	
	13204060	ROSSI MILL	0.0	0.0	0.0	0.0	0.0	500.0	500.0	
	13204190	BOISE CITY UNITED WATER	0.0	0.0	0.0	0.0	540.4	159.6	700.0	
	13204200	UNITED WATER	0.0	97.6	902.4	1000.0	1085.8	14.2	1100.0	
	13205515	SETTLERS	2668.0	303.0		5675.0			4000.0	
	13205517	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1281.5	218.5	1500.0	
	13205622	THURMAN MILL FARMERS UNION BOISE VALLEY	0.0	0.0	0.0	0.0	779.4	20.6	800.0	
	13205640	FARMERS UNION	2779.0	0.0	5593.0			5287.1	7000.0	
	13205641	BOISE VALLEY CAPITOL VIEW	0.0	0.0	939.0		2366.0	-1066.0	1300.0	
	13205643	CAPITOL VIEW NEW DRY CREEK	0.0	4.3	444.7	449.0		, 0.0	0.0	
	13206090	NEW DRY CREEK	0.0	1153.9	112.1	1266.0				
	13206092	NEW UNION	0.0	0.0	0.0	0.0	700.0	200.0	900.0	
	13206220	WARM SPRINGS	0.0	0.0	0.0	0.0	0.0	94.5	94.5	
	13206265	BALLENTYNE	0.0	0.0	367.0	367.0	519.1	780.9	1300.0	
	13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	0.0	41.1	41.1	
	13206292	MACE-CATLIN	0.0	0.0	0.0 0.0	0.0	0.0	890.1	890.1	
	13208450	HART-DAVIS	0.0	0.0	0.0	0.0	0.0	466.1	466.1	
	13208710	MACE-CATLIN HART-DAVIS MIDDLETON SEVEN SUCKERS DIVILLE	0.0	0.0	0.0	0.0	5137.4	3362.6		Switter
	13208740	SEVEN SUCKERS	0.0	0.0	0.0			226.3	226.3	
	13209480	PHYLLIS	20326.0	4315.8	20670.2	24986.0	15793.8	206.2	16000.0	
	13209482	EUREKA #1	0.0	0.0	0.0	0.0			2800.0	
	13209630	LITTLE PIONEER	0.0	1764.9	358.1	2123.0	493.6			
	13209990	CANYON COUNTY SEBREE	0.0	0.0	0.0	0.0 0.0	1643.0	1857.0		
	13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	0.0	0.0	
	99999050	ANDERSON DAM POWER	0.0	0.0	6.0	6.0	0.0	0.0	0.0	
	99999080	ANDSN UNCONTRACTED	0.0	20652.3	15103.7	35756.0	0.0	0.0	0.0	

TOTAL 27224.0 232840.1 215989.9 448830.0 191095.7 16379.3 207475.0

TABLE 3 (CONTINUED). 2012 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

						* LUCKY					
	NUMBER	USER	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE
***************************************	13189600	TRINITY SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	781.5	18.5	800.0
	13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.0	300.0
	13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.0	200.0
	13201050	LUCKY PEAK NURSERY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190.0	190.0
	13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	49105.9	894.1	50000.0
	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	40995.0	40995.0	101230.0	42122.0	143352.0
	13203000	NEW YORK	0.0	0.0	0.0	0.0	0.0	0.0	200401.4	392473.6	592875.0
	13203527	SURPRIS VY/MICRON	0.0	0.0	0.0	0.0	0.0	0.0	2924.5	75.5	3000.0
	13203760	RIDENBAUGH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18579.0	
	13204005	BUBB	0.0	0.0	0.0	0.0	0.0	0.0	440.9	90.1	531.0
	13204060	ROSSI MILL	0.0	0.0	0.0	0.0	200.0	200.0	0.0	700.0	
	13204190	BOISE CITY	0.0	0.0	0.0	0.0	0.0	0.0	540.4	159.6	700.0
	13204200	UNITED WATER	0.0	0.0	0.0	0.0	0.0	0.0	1183.4	916.6	2100.0
	13205515	SETTLERS	0.0	0.0	0.0	0.0		6000.0	4303.0		
emporar e maj men projektiva parte		FAIRVIEW ACRES	0.0	0.0	0.0	0.0	0.0	0.0	1281.5	218.5	1500.0
	13205622	THURMAN MILL	0.0	0.0	0.0	0.0	0.0	0.0	779.4	20.6	800.0
		FARMERS UNION	0.0	0.0	0.0	0.0	3000.0	3000.0	1712.9	16659.1	18372.0
		BOISE VALLEY	0.0	0.0	0.0	0.0	1200.0	1200.0	2366.0	1073.0	3439.0
		CAPITOL VIEW	0.0	0.0	0.0	0.0	0.0	0.0	4.3	444.7	449.0
	13206090	NEW DRY CREEK	0.0	0.0	0.0	0.0		0.0	3153.9	1112.1	
·		NEW UNION	0.0	0.0	0.0		emmente etangelessi per em emezem i e e e e	0.0	700.0	200.0	900.0
		WARM SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	94.5
	13206265	BALLENTYNE	0.0	0.0	0.0	0.0	0.0	0.0	519.1	1147.9	1667.0
	13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.1	
		MACE-CATLIN	0.0	0.0	0.0			0.0	0.0		
		HART-DAVIS	0.0	0.0	0.0	0.0		0.0	0.0	466.1	466.1
	******************************	MIDDLETON	0.0	0.0	0.0	0.0	2500.0	2500.0	5137.4	5862.6	11000.0
		SEVEN SUCKERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226.3	226.3
	13209480		0.0	0.0	0.0	0.0	0.0	0.0	20109.6		
		EUREKA #1	0.0	0.0	0.0	0.0	and the second second second second second	0.0	1715.6	1084.4	2800.0
		LITTLE PIONEER	0.0	0.0	0.0			500.0	2258.5	364.5	2623.0
		CANYON COUNTY	0.0	0.0	0.0	0.0		2500.0	1643.0	4357.0	
	13210992	SEBREE	0.0	0.0	0.0	0.0	maradaybay maranan milinin milinin milinin	0.0	0.0	1146.0	
	99999050	ANDERSON DAM POWER		0.0	0.0			0.0	0.0	6.0	
	99999080	ANDSN UNCONTRACTED	0.0	1200.0	1200.0	0.0	0.0	0.0	20652.3	16303.7	36956.0
	TOTA	AL:	0.0	1200.0	1200.0	0.0	56895.0	56895.0	423935.9	562688.1	986624.0

TABLE 4. 2012 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL A	AFTER LOSS
	13189600	TRINITY SPRINGS	0.0	796.3	0.0	796.3	0.0	0.0	796.3	790.7
	13199804	OSPREY	0.0	0.0	296.5	296.5	0.0	0.0	296.5	294.4
	13199924	WILDERNESS RANCH	0.0	0.0	197.7	197.7	0.0	0.0	197.7	196.3
	13201050	LUCKY PEAK NURSERY	187.1	0.0	0.0	187.1	0.0	0.0	187.1	185.8
	13201990	F&G INSTREAM	0.0	0.0	49417.0	49417.0	0.0	0.0	49417.0	49417.0
	13201991	USBR INSTREAM	0.0	0.0	142158.6	142158.6	0.0	-38204.0	103954.6	103954.6
	13203000	NEW YORK	237622.6	349906.8	0.0	587529.4	0.0	0.0	587529.4	583416.7
	13203527	SURPRIS VY/MICRON	0.0	2985.9	0.0	2985.9	0.0	0.0	2985.9	2965.0
	13203760	RIDENBAUGH	3735.9	14715.7	0.0	18451.6	0.0	0.0	18451.6	18322.4
	13203781	WILLIAMS PARK	0.0	0.0	0.0	0.0	0.0	160.0	160.0	158.9
	13204005	BUBB	0.0	528.5	0.0	528.5	0.0	0.0	528.5	524.8
		ROSSI MILL	0.0	0.0	694.2	694.2	0.0	-400.0	294.2	292.1
	angle metallican and a superior of the superio	BOISE CITY	0.0	0.0	691.8	691.8	0.0	0.0	691.8	687.0
		UNITED WATER	0.0	995.3	1087.2	2082.5	0.0	2500.0	4582.5	4550.4
		SETTLERS	2627.1	5648.4	9953.4	18228.9	0.0	-3500.0	14728.9	14625.8
		FAIRVIEW ACRES	0.0	0.0	1482.5	1482.5	0.0	0.0	1482.5	1472.1
		THURMAN MILL	0.0	0.0	790.7	790.7	0.0	0.0	790.7	785.1
		FARMERS UNION		5566.8	9918.4	18221.6	0.0	-2000.0	16221.6	16108.0
AT		BOISE VALLEY	0.0	934.6	2484.8	3419.4	0.0	-1500.0	1919.4	1906.0
		CAPITOL VIEW	0.0	446.9	0.0	446.9	0.0	0.0	446.9	443.8
		RIVERSIDE VILL	0.0	0.0	0.0	0.0	0.0	13.0	13.0	12.9
	and the same of the same of the same of the same	NEW DRY CREEK	0.0	1260.1	2965.0	4225.1	0.0	0.0	4225.1	4195.5
21		NEW UNION	0.0	0.0	889.5	889.5	0.0	-300.0	589.5	585.4
		WARM SPRINGS	0.0	0.0	93.4	93.4	0.0	-33.0	60.4	60.0
		BALLENTYNE	0.0	365.3	1284.8	1650.1	0.0	0.0	1650.1	1638.6
		CONWAY-HAMMING	0.0	0.0	40.6	40.6	0.0	-14.4	26.2	26.0
		THOMAS AIKEN	0.0	0.0	0.0	0.0	0.0	80.0	80.0	79.4
	A CONTRACTOR CONTRACTOR AND ADMINISTRAL CONTRACTOR OF THE PARTY OF THE	MACE-CATLIN	0.0	0.0	879.7	879.7	0.0	-310.9	568.8	564.8
		HART-DAVIS	0.0	0.0	460.6	460.6	0.0	-162.8	297.8	295.8
		MIDDLETON	0.0	0.0	10900.9	10900.9	0.0	-2500.0	8400.9	8342.1
		SEVEN SUCKERS	0.0	0.0	223.7	223.7	0.0	-79.1	144.6	143.5
	13209480		20014.5	24868.9	15813.5	60696.9	0.0	0.0	60696.9	60272.0
		EUREKA #1	0.0	0.0	2767.4	2767.4	0.0	-1000.0	1767.4	1755.0
	and the second s	LITTLE PIONEER	0.0	2113.1	500.0	2613.1	0.0	-1000.0	1613.1	1601.8
424		CANYON COUNTY	0.0	0.0	5959.2	5959.2	0.0	-2160.0	3799.2	3772.6
	13210992		1128.4	0.0	0.0	1128.4	0.0	1000.0	2128.4	2113.5
40		ANDERSON DAM POWER	0.0	6.0	0.0	6.0	0.0	0.0	6.0	6.0
		ANDSN UNCONTRACTED	0.0	36788.5	0.0	36788.5	0.0	0.0	36788.5	36788.5
37 38	99999200	ENDANGERED SPECIES	0.0	0.0	0.0	0.0	0.0	51504.0	51504.0	51504.0
		TOTAL	268052.0	447927.0	261951.0	977930.0	0.0	2092.8	980022.8	974854.5

าm:

Rex Barrie [waterdistrict63@gwestoffice.net]

ıt:

Thursday, August 16, 2012 7:10 AM

10:

Cresto, Liz

Subject:

FW: May 31 2011 Ltr to Rex Barrie (2).pdf - Adobe Acrobat Standard

Attachments:

May 31 2011 Ltr to Rex Barrie (2).pdf

Liz,

Here is some info to adjust the accounting. Let me know if this is a problem.

Thanks,

Rex R. Barrie

Boise River Watermaster

From: Dan Torfin [mailto:dtorfin@baker-properties.net]

Sent: Wednesday, August 15, 2012 5:03 PM

To: 'Rex Barrie'

Cc: 'Gary Shelley'; 'William Rode'; 'Dennis Baker'; melcisland@gmail.com **Subject:** May 31 2011 Ltr to Rex Barrie (2).pdf - Adobe Acrobat Standard

Hi Rex,

we attached the EIWUA Allocation amounts for the 2012 Irrigation Season; these will be the same as for 2011 with the exception of moving approximately 100 AF from the Mace-Catlin Irrigation Ditch to the Conway- Hamming Ditch for the use of the Mace Family and their tenant farmer. We also made an adjustment for the Mace Family last year with the idea that we would have a final designation for their property before this season; however, we will need some additional time to review their records with regard to the EIWUA Storage water. It appears that they hold 200 shares and they would like to move the majority of the shares from the Mace-Catlin to the Conway-Hamming and Mace-Mace Ditches. I would like to have this clarified before the end of this season.

Jerry and Mary will likely be meeting with you separately to provide records for the natural flow rights/transfers from the Warm Springs to the Mace-Mace ditch.

I am only focused on the EIWUA Storage Water and reconciling the methods of how the storage water is allocated. In the interim period please make this adjustment.

Thank you,

Dan Torfin

President, Eagle Island Water Users Association



May 31, 2011

Laura E. Burri
Adam S. Christenson
Jeffrey R. Christenson
David P. Claiborne
S. Bryce Farris
Jon C. Gould
David Hammerquist
Charles L. Honsinger **
James P. Kaufman
Jennifer Reid Mahoney
James G. Reid *
Daniel V. Steenson

Via Electronic and Regular Mail

Rex Barrie Water District 63 - Watermaster P.O. Box 767 Star, ID 83669 waterdistrict63@qwestoffice.net

Re: Eagle Island Water Users Association's ("Association") Storage Water.

Dear Rex:

This letter is to follow-up our prior discussions regarding the "division" and use of the Association's Lucky Peak Storage Water, amounting to 1,718 acre feet, for the 2011 irrigation season. As you know, the Association has placed 600 acre feet in the Rental Pool which leaves 1.118 remaining to be allocated to the ditch companies. The Association has determined to allocate the storage water to the following ditch companies and in the following amounts:

-Mace Catlin Ditch Company -	579.24 Acre Feet
-Hart Davis Ditch Company-	303.31 Acre Feet
-Seven Suckers Ditch Company-	147.24 Acre Feet
-Warm Springs Ditch Company-	61.49 Acre Feet 🗸
-Conway Hamming Ditch-	26.72 Acre Feet
	1,118 Acre Feet

Again, these amounts are for the 2011 Irrigation Season. I am providing a copy of this letter to the representatives of these ditch companies and requesting/suggesting that they work with you to coordinate the use and delivery of the storage water to their respective diversions. I believe the best phone number to reach you at is 908-5480 and I am providing it in this letter for the benefit of the respective ditch companies in order to help with any communication or questions by the ditch companies.

I would also request that you coordinate with the ditch companies to make sure they fully understand the delivery and use of this storage water including any requirements for ordering and using the storage water.

Date: 8 22 12
Accounting Begin Date: 8/14/12
Accounting End Date: 8/20/12

Check List:	
Dowload USBR Data	
Review USBR for Missing Data	
Get ID Power Data and Enter on Website (check for shift changes)	
Download Water Master Data	
Download USGS Data	
Load NAL	
Post Report To Websites (including ALC and HST)	
Update Fish Flows NA	

Date: 8/29/92 n Date: 6/27/12

Accounting Begin Date: 6/27/12Accounting End Date: 8/27/12

Check List:

Notes:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HST)

Update Fish Flows NX

Notes:

Transferred 10,000 AF from Ny Canal to Ridenburgh Ny Canal Shuftto 8/10 Date: 9/5/12
Accounting Begin Date: 8/7/12
Accounting End Date: 9/3/12

Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC/and 닉ŚT)
Update Fish Flows
Rom 1 Shift to 8/7/12
Date: 9 13 12
Accounting Begin Date: 9/1/12
Accounting End Date: 9/10/12
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Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL V
Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes: 13206000 - Missing 9/5/12 from USGS - Used BORdate Boise @ Glanwood Bridge

From: Van Bussum, Monica

ent: Wednesday, September 12, 2012 3:57 PM

o: Cresto, Liz **Subject:** Mason Creek

Hi Liz,

I checked the Mason Creek Water Supply Bank lease against the right. The right is for 36.2 cfs and they placed 13.92 cfs in the Bank from June 18 to December 31 of this year. Therefore, they are not using 13.92 cfs but we will assume they are using the remainder, or 22.28 cfs. Idaho Power rented a total of 8.4 cfs of the leased amount from September 1 to October 31 of this year. That 8.4 cfs would of course be curtailed at this point.

Let me know if you need more information.

Monica

From:

Van Bussum, Monica

:nt

Thursday, September 06, 2012 10:55 AM

):

Cresto, Liz; Van Dyke, Nick

Subject:

RE: Mason Creek Ditch Co. Water Rental Application

Yes, I would assume the right will be subject to the 60% cut.

<onica

From: Cresto, Liz

Sent: Thursday, September 06, 2012 10:17 AM **To:** Van Dyke, Nick; Van Bussum, Monica

Subject: RE: Mason Creek Ditch Co. Water Rental Application

Nick,

We can put this right in the accounting model and have it work on paper but being able to say an additional 8.4 cfs made it out of the Boise River is difficult if not impossible. Because the water is to stay in the river and not being diverted down a controlled headgate it is extremely difficult. The point of delivery for this lease would be the Middleton gage. Below Middleton there is enough return flows to satisfy irrigation demands. If the 8.4 cfs makes it to Middleton then we know it will make it out of the Boise drainage. Rex tries to maintain a constant 250cfs at Middleton. If this lease went through the goal would be a constant 258 cfs at Middleton. First off the gage error is approximately 10% or 25cfs so they're asking to deliver additional water within the error of the gage. Although he tries, Rex is not able to maintain a constant 250cfs at Middleton. If you look at the actual gage readings from 8/15 to 9/5 flows have varied from 207 cfs to cfs. Given that the flows have varied by 92 cfs during that time period, we would never really know if an additional cfs was delivered. In theory Rex can call for the additional 8 cfs to be released from Lucky Peak but we won't really know if it made it out of the Boise River.

I talked with Jon Bowling a couple weeks ago. He is well aware of the limitations of being able to actually deliver the right.

I have a question about the 8.4 cfs. I'm assuming the 8.4 cfs is the water right from the Stewart Decree. Right now we are delivering the Stewart Decree rights at 60% of their decreed rate. So the 8.4 cfs would actually be cut to 5.04 cfs. The flow will come back up from now until the end of October so at some point they could receive the full 8.4 cfs. Am I correct in assuming that the right will be subject to the 60% cut?

Liz

From: Van Dyke, Nick

Sent: Thursday, September 06, 2012 9:51 AM

To: Cresto, Liz

Cc: Van Bussum, Monica

Subject: FW: Mason Creek Ditch Co. Water Rental Application

Liz,

Attached is Idaho Power's application to rent Mason Creek's right that recently was leased into the bank. Monica and I kind of deferring to you on whether this is doable with the Middleton Gage issue. I believe the last we spoke you said you might be able to make it work on paper, but in actuality this probably can't be administered.

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From: Bowling, Jon [mailto:JBowling@idahopower.com]

Sent: Thursday, August 30, 2012 4:19 PM

To: Van Dyke, Nick

Cc: Patton, Brian; Cresto, Liz

Subject: Mason Creek Ditch Co. Water Rental Application

Attached please find Idaho Power's application to rent Mason Creek Ditch Co. water from the IWRB Water Bank.

Please let me know if you have any questions.

Jon

Jonathon C. Bowling, P.E.
Engineering Leader
Water Management
Idaho Power Company
PO Box 70, Boise Idaho 83707
(208) 388-2905 cell: (208) 860-9515
jbowling@idahopower.com



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Water Supply Bank No.	
(For Department Use Only)

STATE OF IDAHO WATER RESOURCE BOARD

APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK

	-	daho F													388-29			***************************************	
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C. MAP

Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described by this application in section A. Include legal description labels.

Please	provide a description of the proposed diversio	n system. Browniee Power Plant	
	Diver Mater	same point(s) of diversion or used for the same purpose	(s) as described above
	e proposed place of use receive water from an describe.	y other source?	Yes No 🗸
_	proposed use is not for irrigation, please provide a detailed description of the proposed use and how you determined the amorequired. Attach additional sheets if needed. Power Generation at Brownlee Power Plant.		
propos	re any other applications pending before the I ed by this rental? describe.	Department, such as an application for permit or transfer	, for the same use(s) Yes \(\sum \) No \(\subseteq \)
		a Notice of Violation or a pending Notice of Violation?	Yes No 🗸
ENTAL	TERM		
Do you	wish to rent water from the Board's bank for	more than one (1) year?	Yes 🗌 No 🗸
	please specify the number of years desired thr		
		this application is true to the best of my knowledge. n may result in rejection of the application or cancell	
If this a	pplication is approved, the applicant agrees to	o the following:	
1.	•	all be subject to the provisions of Section 42-1766, Idah	
2.	1 7	ate and federal laws while using water under this agreer	
3.	Renter shall hold the Board, the Director, of the renter.	and the state of Idaho harmless from all liability on acc	count of negligent act
4.	The Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.		
5.	Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.		
6.	Renter is not authorized to use water pro- receives an executed copy of the agreeme	posed by this application until the rental fees are paid nt signed by the Director.	in full and the rente
Im	other C. Bouli	Jonathon C Bowling, Engineering Leader	8/30/12
Signatu	re of Applicant	Printed Name and Title*	Date
1ho	res It ahrmon	Roger J. Fuhrman, Manager, Water Mgmt Printed Name and Title*	8/30/12

^{*}Please provide title of signatory if signing on behalf of a company or organization or with power of attorney

From:

Rex Barrie [waterdistrict63@qwestoffice.net]

Sent:

Friday, September 14, 2012 7:02 AM

Cresto, Liz

.bject:

FW: Water transfer

Liz,

Here is the second transfer for NMID.

Rex R. Barrie

Boise River Watermaster

From: Greg Curtis [mailto:gcurtis@nmid.org]
Sent: Thursday, September 13, 2012 5:14 PM

To: pdeveau@boiseproject.org

Cc: Rex Barrie

Subject: Water transfer

Paul, would you please transfer 10,000 acre feet from the Boise Project Account for NMID to the head of the Ridenbaugh Canal. This will be the 2nd transfer this year. Thank you, Greg

Date: 9/21/12
gin Date: 16/12/12

Accounting Degin Date.	614116
Accounting End Date:	9/17/12

Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL
Post Report To Websites (including ALS and HST)
Update Fish Flows
Notes:

Date: 9/27/12

Accounting Begin Date: 9/11/12

Accounting End Date: 9/24/12

Check List:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HST)

Update Fish Flows

Notes:

13206000 - Glenwood - missing 9/5 - wood BOR date

Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and H&T) Update Fish Flows Notes: Bomi Shift to 3/30/12 Nyc Shift to 8/27/12 Date: \0 Accounting Begin Date: 10/1/12 Accounting End Date: 10/8/12 **Check List:** Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Download Water Master Data 🗸 Download USGS Data Load NAL Post Report To Websites (including ALC and HST)

Accounting Begin Date: 6

Update Fish Flows

Notes:

Accounting End Date: 10/1

Rex Barrie [waterdistrict63@qwestoffice.net] Thursday, October 04, 2012 7:54 AM From:

Sent:

Cresto, Liz o: Boise Data نubject:

Hi Liz,

Data is in.

Would you please transfer water from the Conway Hamming to the Mace Mace to cover the excess. Also please move Williams Park water to cover Albertsons.

Thanks,,,

Rex R. Barrie Boise River Watermaster

Date:	121/10
Accounting Begin Date:	
Accounting End Date:	
Check List:	
Dowload USBR Data	
Review USBR for Missing Data	
Get ID Power Data and Enter on We	ebsite (check for shift changes)
Download Water Master Data	,
Download USGS Data	
Load NAL	
Post Report To Websites (including	ALC and HST)
Update Fish Flows	7
Notes: 1370640 D	10/1-10/4 Missing USGS data.

Date: 11/21/12
Accounting Begin Date: 10/31/12
Accounting End Date: 10/31/12

10/0-10

Check List:

Dowload USBR Data

Review USBR for Missing Data

Get ID Power Data and Enter on Website (check for shift changes)

Download Water Master Data

Download USGS Data

Load NAL

Post Report To Websites (including ALC and HST)

Update Fish Flows

Notes:

From: nt: . J: Subject:	Rex Barrie [waterdistrict63@qwestriday, November 23, 2012 7:13 a Cresto, Liz RE: Accounting	
Thanks Liz,		
Can you move 4 af from Co	nway Hamming to Mace-Mace for	r me?
I am going to get Farmers l I will let you know when I g		35 af and I will go after the others as well.
Rex R. Barrie Boise River Watermaster		
From: Cresto, Liz [mailto:L Sent: Wednesday, Novemb To: Rex Barrie Subject: Accounting		
December. Liz Cresto Technical Hydrologist Idaho Department of Water Re 208-287-4833		unting for the year. I'll work through the final accounting in Need to make this adjustment
liz.cresto@idwr.idaho.gov		11/23/12

From:

Rex Barrie [waterdistrict63@qwestoffice.net]

nt:

Wednesday, December 05, 2012 9:32 AM

ر: Subject: Cresto, Liz Accounting

Liz,

For the Farmers Union adjustment, credit 68 AF from Capital View and 67 AF from Little Pioneer.

Transfer 4 AF from Conway Hamming to Mace Mace.

Woods and Eagle Island State Park are non-consumptive and were entered as a baseline. Can you adjust them to 0?

For the parks, Springs Shores, Sandy Point and Discovery I just entered some numbers as a baseline until they get their meters installed for 2013. Can you adjust then to 0?

For the others down stream of Caldwell, well you know how that works,

Let me know if you have any questions.

Thanks, Rex R. Barrie Boise River Watermaster

Date:Accounting Begin Date:Accounting End Date:
Check List: Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes:
Mussing USGS SAES
13260000 - Mores Crock 12/4 - 1/21 and 1/29 - 2/19
13/85000 - Twin Springs 12/6-12/28 used USBR data
3/22/12- lastalay fish flow ending. (instrumment Fish flow) Reset Acct 3/23 for fish from ending. (instrumment Fish flow)
Ny Canal USBR-464 on Oct 29/2012 > Prococrected the # 414 Ro. That cla
Storage Report Nussing 13194502 - Spring Shares 13194501 - Green Runch M 13204015 - Herneck M 13206092 - New Union - don't need in Storage Rpt 13211394 - Golden Gate M 13211791 - Vale Pump M 13212999 · Stotheit M 13212897 - McCumy M
BONZ Space = 143352 37,551 ETF 2012 105,801

208-287-4833

From:	Rex Barrie [waterdistrict63@qwestoffice.net] Tuesday, December 18, 2012 7:41 AM	
1	Cresto Liz	· · · · · · · · · · · · · · · · · · ·
Subject:	Cresto, Liz RE: Rentals Mace Cattin 311 V	y and the second se
•	Hart Dans 163V	3000
	Seven Societys 79	1 Floor
Liz,	Warm Springs 33 1	51,504 3 total plans as 9 = 13,165 3 608 space = 13,165 3 9 508 space
	0 14	Tool interest
Rental Pool leased for 2	2012. Carway fani	151,30
	(400 kg)	2027
Out of Basin: Flow Aug.		13,19 - 7 P
Eureka #1	1000 AFV	(=1)
Settlers	3500 AF √ / / / / / / / / / / / / / / / / / /	39,5
Canyon County	2000 AF // 5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Eagle Island H2o users	600 AF	and the same of th
New Union	300 AF	
South Boise/Rossi Mill	400 AF	
Little Pioneer	1000 AF 🗸	
Middleton Mill	1250 AF	
Middleton Irrigation	1250 AF /	
Farmers Union	1865 AF (they leased 2000 AF but I deducted the a	amount they went over for the accounting)
, 4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		}
In Basin: United Water	1000 AF 1500 AF V	
Farmers Co-op	1000 AE 500000	
raimers co-op	1500 AF $\sqrt{}$	
Se valley		
Convon County	160 AF (Boise Parks and Rec.) Williams Park	= 139 KAlbertsons : (e A F
√Canyon County	TOO AF (BOISE FAIKS allu Rec.)	
Capital View	228 AF (Miss.)	
Little Pioneer	228 AF (Miss.)	
Little Florieei	220 AT (11133.)	
Does this make sense?		
D 0 0 0 tillo illano o cineci	Ricerside Village 13AF	
	J	In a Daine > 278.5
Rex R. Barrie	A. V	Marilo - Mules Samon - January
Boise River Watermaste	ON.	evacyes - Farmers Union=> 278.5
boise Miver Watermaste	51	5
	to:Liz.Cresto@idwr.idaho.gov]	
Sent: Monday, Decemb	per 17, 2012 3:09 PM	
To: Rex Barrie		
Subject: Rentals		
Day		
Rex,	-ulata list of all the ventale? They committed a list fr	one sougral different ampile but would like to
	nplete list of all the rentals? I have compiled a list fr	om several different emans but would like to
make sure I'm not miss	ing any. Thanks.	
Liz		
T. Cuart		
Cresto nical Hydrologist		
ruaho Department of Wate	er Resources	



322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

EVAPORATION CALCULATIONS FOR RESERVOIRS IN THE BOISE RIVER WRA

To: Liz Cresto & Sean Vincent

From: David Hoekema

Date: February 25, 2013

Overview

On February 13, 2013 Liz asked me to investigate how reservoir evaporation is being calculated for the "old" water right accounting (WRA) model for the Boise River. The following sections describe what I have found. I start by describing the traditional pan evaporation (E_{pan}) equations and the use of reference evapotranspiration (ET_{ref}) to estimate pan evaporation. I then describe the Allen and Tasumi (2005) method for determining reservoir evaporation and then the current WRA estimate of evaporation. Finally I conclude this memo by showing that use of historic WRA evaporation estimates, using either E_{pan} or ET_{ref} , would increase evaporation predictions by about 150% while the Allen and Tasumi (2005) method would reduce current evaporation estimates by around 60%.

Traditional Evaporation Calculations

Evaporation from reservoirs is an important part of the WRA model, because evaporation from the reservoirs is charged to those entities with storage rights in the reservoirs. As such it is important to note that we only keep track of reservoir evaporation during the *allocation season* from April 1st to October 31st. Evaporation from reservoirs on the Boise River was originally estimated based on pan evaporation (E_{pan}) measurements taken at Arrowrock Reservoir. The evaporation rate was based on Equation 1 and was a product of the surface area (SA) of the reservoirs, seventy percent of the pan evaporation, and precipitation (PP) as shown below:

$$Evap = (0.7E_{pan} - PP)SA (Equation 1)$$

If the precipitation rate is greater than $0.7E_{pan}$, the WRA sets the evaporation rate to zero. A negative evaporation rate would allow precipitation to create a *gain* in the accounting model. Such a gain would result in double accounting as the increase in reservoir volume is already measured by the reservoir gage and the flow or storage generated by the rain should be considered as a *natural flow* before it becomes storage. The surface area (SA) of each reservoir is based on the reservoir content and is hardcoded into the model.

The use of pan evaporation is problematic as such measurements are prone to error and the data is often missing. The attached spreadsheet *ET.calculation.xlxs*, which shows pan evaporation rates measured by the USBR between 1996 and 2006, indicates that well over half the pan evaporation rates are missing or invalid.

Reference Evapotranspiration Calculations

The problem of pan evaporation has been addressed at least twice by the department. A memo by Bob Sutter dated September 18, 1989 (found at: N:\Hydrology\WRA\Sutter_Archives) suggests that reference evapotranspiration (ET_{ref}) based on the Wright-Penman calculation could be

used instead of pan evaporation to estimate reservoir losses from American Falls Reservoir. Sutter found that ET_{ref} could be used to approximate PE as described in Equation 2:

$$0.8ET_{ref} = 0.7E_{pan}$$
 (Equation 2)

A second memorandum by ¹Sheryl Howe dated January 8, 1997 shows that ET_{ref} computerd for the Parma Experiment Station correlated ($r^2 = 0.72$) with E_{pan} measured at Arrowrock Dam and was nearly equal in volume. She suggested the following equation could be used to approximate E_{pan} :

$$E_{pan} = 1.02ET_{ref} - 0.01$$
 (Equation 3)

Allen and Tasumi (2005) Reservoir Evaporation Calculations

In 2004 ²Allen and Tasumi (2005) performed and evaporation study on the American Falls Reservoir. They found that reservoir evaporation could be determined at American Falls reservoir based on a modification of the aerodynamic method developed by ³Kondo (1975) using only the parameters of windspeed and air temperature. ⁴Allen and Robison (2007) used the findings of the Allen and Tasumi (2005) to calculate deep, open water evaporation at multiple weather stations across the state of Idaho, including the NWS station located at Arrowrock Reservoir.

Comparison of Evaporation Rates at American Falls Reservoir in 2004

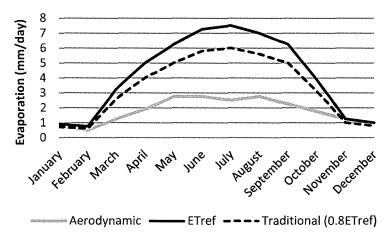


Figure 1. Comparison of Alfalfa based Reference Evapotranspiration, the Traditional Reservoir Evaporation Equation, and Reservoir Evaporation based on the Aerodynamic Method (Allen & Tasumi, 2005; Allen and Robison, 2007)

Allen and Tasumi's (2005) study indicates that evaporation from the American Falls Reservoir is far less than then would be implied by the traditional method of ET_{ref} or E_{pan} methods. Figure 1 compares the evaporation from a well watered crop of alfalfa (ET_{ref}), traditional reservoir

¹ 1997-2001 Boise River Accounting

² R.G. Allen and M. Tasumi (2005). "Evaporation from American Falls Reservoir in Idaho via a Combination of Bowen Ratio and Eddy Covariance." Proceedings of the EWRI World Water and Environmental Resources Conference, Anchorage, AK, May 15-19.

³ J. Kondo (1975). "Air-Sea Bulk Transfer Coefficients in Diabetic Conditions. *Boundary-Layer Meteorology* 9:91-112.

⁴ R.G. Allen and Robison (2007). Evaporation and Consumptive Water Requirements for Idaho, Appendix 10: Evaporation from deep, open water. University of Idaho Research and Extension Center at Kimberley, ID.

evaporation estimates (0.8ET_{ref}), and the aerodynamic method proposed by Allen and Tasumi (2005). The values for the aerodynamic reservoir evaporation method in Figure 1 were estimated from Figure 10.4a on p. 197 of the Allen and Robison (2007) report. Based on Figure 1 reservoir evaporation would be 48% less between April and October when calculated by the modified Kondo method than when calculated by the traditional methods applied in the WRA model.

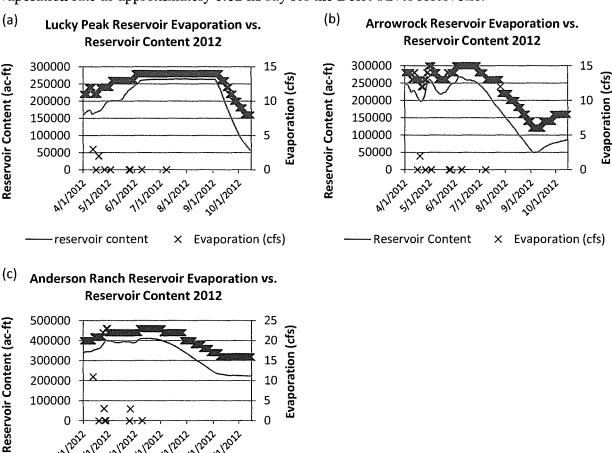
The lower rate of evaporation estimated by Allen and Tasumi (2005), as compared to the traditional pan evaporation method, is due to the significant difference in the energy partition which occurs at a pan or well watered alfalfa crop and a deep, open water body. Unlike in a shallow pan or crop where a large latent heat flux and minimual ground heat flux exist, in deep, open water incoming radiation penetrates deeply below the surface causing a large portion of the incoming radiation to be converted into water heat storage (equivalent to a ground heat flux on land) rather than into the latent heat flux. The latent heat flux represents the energy absorbed in the evaporation process. In addition, in irrigation reservoirs large irrigation releases allow a significant amount of the incoming radiation converted to water heat storage to be advected from the reservoir.

Current WRA Evaporation Calculations for Boise River Reservoirs

100000

Reservoir Content

The current method of calculating evaporation from reservoirs on the Boise River uses a constant rate of evaporation multiplied by the surface area of the reservoir. Figure 2 shows the WRA estimated evaporation at Anderson Ranch, Arrowrock, and Lucky Peak Reservoirs during the 2012 allocation season. As can be seen in Figure 1, the rate is constant from April through October and is decreased only by precipitation and reservoir surface area/content. I back calculated the evaporation rate as approximately 0.12 in/day for the Boise River reservoirs.



5

× Evaporation (cfs)

Figure 2. Accounted Evaporation from (a) Lucky Peak, (b) Arrowrock, and (c) Anderson Ranch in 2012

While the assumption of a constant evaporation rate from April through October does not follow the assumption implicit in the pan evaporation estimation where evaporation peaks with temperature in July, the constant evaporation rate appears to more closely match the study of reservoir evaporation on American Falls Reservoir conducted by Allen and Tasumi (2005) and discussed by Allen and Robison (2007). Allen and Robison show estimates of a daily evaporation rate between 2-3 mm/day (or 0.12-0.08 in/day) during the months of May-September.

The Implications of ET Calculation Methods on WRA at Arrowrock

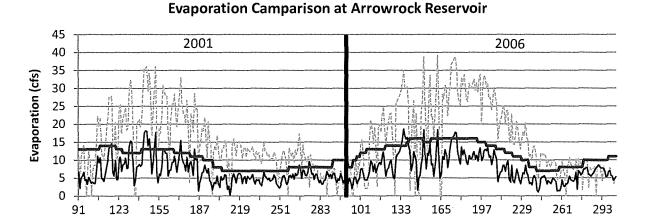
In order to understand the impacts of the various evaporation estimates on WRA calculations for the Boise River reservoirs, I provide in this section a comparison of evaporation estimates at Arrowrock reservoir for the decade from 2000-2009. I provide, in the following paragraphs, a comparison of WRA evaporation calculated using the traditional ET_{ref} method, the current method, and the Allen and Tasumi (2005) method. The traditional WRA estimate of evaporation at Arrowrock is based on the analysis of Allen and Robison (2007), who calculated ET_{ref} at Arrowrock based local temperature measurements and wind speed recorded at the Nampa Airport. Although there is a significant difference between the topography and land use at the reservoir and the Nampa Airport, located about 30 miles to west of Arrowrock, the total of the measured and estimated evaporation is very close. The Arrowrock ET_{ref} estimates provide a surprisingly good match to the pan evaporation rates taken at Arrowrock between 1997 and 2004. Table 1 shows a comparison of pan evaporation to ET_{ref} calculated by Allen and Robison (2007) and available pan evaporation measurements. The dates in column 1 of Table 1 represent periods of more or less contiguous overlapping records of E_{pan} and ET_{ref}. Where data for either ET_{ref} or E_{pan} are missing, both values were not included in the total evaporation estimate for the time period represented. Based on this analysis we assume that $ET_{ref} = ET_{pan}$. Therefore the traditional evaporation WRA rate at Arrowrock can be estimated using Equation 1, substituting ET_{ref} for ET_{pan}.

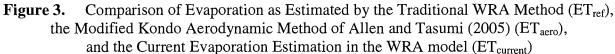
Table 1 Camparison of E_{pan} measured at Arrowrock and ET_{ref} estimated at Arrowrock (Allen and Robison, 2007).

Year	Dates	E _{pan}	ET _{ref}
1997	6/5-8/27	34.9	37.4
1998	7/8-8/19	34.2	36.0
1999	5/12-10/25	40.5	39.9
2000	4/13-9/29	36.7	36.2
2003	4/23-10/5	14.4	13.0
2004	5/9-10/7	21.0	20.6
	Total	181.6	183.2

Figure 3 compares the evaporation rate for the traditional WRA method of estimating evaporation, the current WRA method, and the Allen and Tasumi (2005) method at Arrowrock during the allocation season for the lowest water supply year (2001) and the highest water supply

year (2006) of the decade. Table 2 provides an annual estimate of evaporation during the allocation season for the decade from 2000-2009.





----- ETref

from 2000 to 2009.

Julian Days (April-October)

— ETaero — ETcurrent

Table 2. Comparison of Evaporation as Estimated by the Traditional WRA Method (ET_{ref}), the Modified Kondo Aerodynamic Method of Allen and Tasumi (2005) (ET_{aero}), and the Current

Evaporation Estimation in the WRA model (ET_{current}) During the Allocation Season for the Period

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ET _{ref}	7440	6130	6220	5890	6160	5470	7140	6370	7260	6910
ET _{current}	4640	3920	4380	3750	4010	3740	4620	4310	4930	4440
ET aero	3067	2618	2640	2480	2560	2220	3010	2700	3000	2780

The current method of accounting reservoir evaporation in the WRA model appears to predict a value about half way between the Allen and Tasumi (2005) value and the traditional WRA method. On average the traditional pan evaporation method predicts about 150% more evaporation than we are currently accounting for. Should we employ the Allen and Tasumi (2005) method we would reduce the evaporation charge to storage users by about 60%.



322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098 Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

November 16, 2012

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607

RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK WATER RIGHT NO(S). 63-33517

Dear Renter:

Please find enclosed a receipt in the amount of \$ 1,300.50 and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 76.5 acre-feet of water for irrigation of 17 acres during 2013. Upon receipt of this fully executed agreement, you are authorized to divert water in compliance with the conditions of water use described in the agreement.

If you have any questions, please contact this office.

Sincerely,

Christine Field Water Supply Bank Support

Enclosure(s):

Receipt No. C096209

Rental Agreement (copy)

c:

John Westra - IDWR Western Regional Office

Liz Cresto - IDWR State Office

No action necessary. This nght was not in the water nghts accounting inguity.

(20 gram because it is a grandwater ingut.

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

NOV 1 3 2012

WATER SUPPLY BANK RENTAL AGREEMENT

DEPARTMENT OF WATER RESOURCE

This is to certify that:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board") being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank agrees to rent water as follows:

Summary of Water Rights or Portions Rented from the Bank

COMBINED	Water	Rented	Annual Rented	Total Rented
	<u>Right</u>	<u>Rate</u>	<u>Volume</u>	Acres
	63-33517	0.27 CFS	76.5 AF	17.0 AC
RENTAL TOTALS:		0.27 CFS	76.5 AF	17.0 AC

TERM OF RENTAL:

March 15, 2013 to November 15, 2013

RENTAL FEE:

\$1,300.50

Detailed water right specific limitations and conditions attached.

The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:

Having determined that this agreement satisfies the provisions of Section 42-1763, Idaho Code, and, IDAPA 37.02.03030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and conditions herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board this 14th day of November , 2012.

GARY SPACKMAN, Director Department of Water Resources

WATER RIGHT NO. 63-33517 WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

Priority Date: 09/29/1978

Source:

GROUND WATER

BENEFICIAL USE

From To

Diversion Rate

Volume

IRRIGATION

03/15 to 11/15

0.27 CFS **0.27 CFS** 76.5 AF **76.5 AF**

Total:

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

GROUND WATER

SW14NW14

Sec. 20 Twp 0

Twp 06N Rge 03W

PAYETTE County

RENTER'S PLACE OF USE: IRRIGATION

Twp	Rge	Sec		N	E			N'	w			S	W			S	E		
			NE	NW	SW	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Totals
06N	03W	17											7.0	10.0					17

Total Acres: 17.0

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in the ongoing Snake River Basin Adjudication or any other department application process.
- 3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 5. This rental agreement does not authorize the construction of a well.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. The period of use for the irrigation described in this approval may be extended to a beginning date of 3/1 provided that beneficial use of the water can be shown and other elements of the right are not exceeded. The use of water before 3/15 is subordinated to all water rights having no subordinated early or late irrigation use and a priority date earlier than 04/29/2009.



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C.L. "BUTCH" OTTER Governor **GARY SPACKMAN** Director

November 1, 2012

FRISBY FARMS INC 6208 SE 8TH AVE CALDWELL ID 83605

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK WATER RIGHT NO(S). 63-33517

Dear Renter:

The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. I have enclosed a Water Supply Bank Rental Agreement for your review and signature. Upon signature and return of the original agreement, together with the rental fee described below, the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

A rental fee of \$1,300.50 was calculated based on the current rental rate of \$17.00 per acre-foot times a diversion volume of 76.5 acre-feet. We require payment prior to the execution of this agreement.

Please send a check for \$1,300.50 made payable to the Idaho Department of Water Resources, together with the signed rental agreement, to my attention within 14 days so I can complete the processing. Pursuant to the Water Supply Bank Rules, 90% or \$1,170.45 of the rental fee will be paid to the lessor and 10% or \$130.05 will be retained by the Department to offset administrative costs.

If you have any questions, please contact me at (208) 287-4907.

Sincerely,

Monica Van Bussum

Sr. Water Resource Agent

Vonen Var Berse

Enclosure(s)

IDWR Front Desk

John Westra - IDWR Western Regional Office

Liz Cresto - IDWR State Office

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT

This is to certify that:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board") being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank agrees to rent water as follows:

Summary of Water Rights or Portions Rented from the Bank										
	Water <u>Right</u> 63-33517	Rented Rate 0.27 CFS	Annual Rent <u>Volume</u> 76.5 A	Acres						
COMBINED RENTAL TOTALS:		0.27 CFS	76.5 A							
TERM OF RENTAL	_:	March: 1.5; 2013 to November 15, 2013								
RENTAL FEE:		<u>\$1,300.50</u>								
Detailed water right specific limitations and conditions attached.										
The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:										
Da	ted this	day of _		····	, 20					
Ву	: (Print Name)			(Signature)						
	(Frint Name)			(Signature)						
				(Title if on behalf of compa						
Having determined that this agreement satisfies the provisions of Section 42-1763, Idaho Code, and, IDAPA 37.02.03030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and conditions herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board this day of, 20										
				PACKMAN, Director ent of Water Resource	es ·					

WATER RIGHT NO. 63-33517 WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

Priority Date: 09/29/1978

Source:

GROUND WATER

BENEFICIAL USE

From То **Diversion Rate**

Volume

IRRIGATION

03/15 to 11/15

0.27 CFS

76.5 AF

Total:

0.27 CFS

76.5 AF

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

GROUND WATER

SW¼NW¼ Sec. 20

Twp 06N Rae 03W

PAYETTE County

RENTER'S PLACE OF USE: IRRIGATION

Twp	Rge	Sec		N	E		NW		SW			SE							
			NE	NW	SW	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Totals
06N	03W	17											7.0	10.0					17

Total Acres: 17.0

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in the ongoing Snake River Basin Adjudication or any other department application process.
- 3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 5. This rental agreement does not authorize the construction of a well.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. The period of use for the irrigation described in this approval may be extended to a beginning date of 3/1 provided that beneficial use of the water can be shown and other elements of the right are not exceeded. The use of water before 3/15 is subordinated to all water rights having no subordinated early or late irrigation use and a priority date earlier than 04/29/2009.



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C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

Water Lease by United Water from Boise Valley

To: Liz Cresto

Date: April 17, 2013

From: David Hoekema

The Water Master of the Boise River (Rex Barrie), informed me in a phone conversation that United Water is leasing 1500 acre-feet from Boise Valley this year.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

Storage Report April 15th 2013

To: Liz Cresto & Sean Vincent

From: David Hoekema

Date: April 18, 2013

Introduction

Low snowpack has many irrigators in the Boise Valley worried about this year's water supply. Presenters from the USBR and NRCS at the April Water Supply Forecast meeting held at IDWR on April, 11th indicated that it was unlikely that Anderson Ranch would fill. On April 12th cool weather caused accumulation of storage water in Lucky Peak to stop, while irrigation has begun for nearly all canals within the system. At the request of Rex Barrie, Liz Cresto and I ran an early storage report of fill for the reservoirs in the Boise System. Typically a storage report is only run during the day of allocation and at the end of the season. It should be noted that we have not included the impacts of rental contracts and transfers in this report. Some diversions require a special calculation in order to understand their current condition. These diversions have been marked with a double star (e.g. **). *Note these calculations are preliminary and subject to change as better data becomes available.* The calculations for these diversions are explained in the *Special Calculations* section of this memo. As of April 15th Arrowrock water storage contracts have filled (see Table 1), Lucky Peak contracts are 94% full (see Table 2), and Anderson Ranch only has 50% of contracted space full (see Table 3).

Table 1. Arrowrock Storage Contract as of April 15th

	Space	Fill	% Fill
LUCKY PEAK NURSERY	190	190	100%
NEW YORK	241321	241321	100%
RIDENBAUGH	3794	3794	100%
SETTLERS	2668	2668	100%
FARMERS UNION	2779	2779	100%
PHYLLIS	20326	20326	100%
SEBREE	1146	1146	100%
Total	272224	272224	100%

Table 2. Anderson Ranch Storage Contracts as of April 15th

	Space	Fill	% Fill
TRINITY SPRINGS	800	800	100%
NEW YORK	351554	161179.4	46%
SURPRIS VY/MICRON	3000	3000	100%
RIDENBAUGH	14785	1273.1	9%

BUBB	531	531	100%
UNITED WATER	1000	86.1	9%
SETTLERS	5675	1767	31%
FARMERS UNION	5593	481.5	9%
BOISE VALLEY	939	80.8	9%
CAPITOL VIEW	449	253.7	57%
NEW DRY CREEK	1266	752.9	59%
BALLENTYNE	367	31.6	9%
PHYLLIS	24986	17406.3	70%
LITTLE PI O NEER	1623	1420.6	88%
ANDERSON DAM POWER	6	6	100%
ANDSN UNCONTRACTED	36956	36956	100%
Total	449530	226026	50%

Table 3. Lucky Peak Storage Contract as of April 15th

	Space	Fill	% Fill
OSPREY	300	300	100%
WILDERNESS RANCH	200	200	100%
F&G INSTREAM	50000	46869.1	94%
USBR INSTREAM	105013	100835.6	96%
ROSSI MILL	300	300	100%
BOISE CITY	700	700	100%
UNITED WATER	1100	474	43%
SETTLERS	6500	6500	100%
FAIRVIEW ACRES	1500	1500	100%
THURMAN MILL	800	800	100%
FARMERS UNION	8135	3505.1	43%
BOISE VALLEY	2500	2500	100%
NEW DRY CREEK	3000	3000	100%
NEW UNION	600	600	100%
WARM SPRINGS	61.5	57	93%
BALLENTYNE	1300	1300	100%
CONWAY-HAMMING	27.1	27.1	100%
MACE-CATLIN	579.1	579.1	100%
HART-DAVIS	303.1	169.7	56%
MIDDLETON	8500	8500	100%
SEVEN SUCKERS	147.3	147.3	100%
PHYLLIS	16000	16000	100%
EUREKA #1	1800	1800	100%
CANYON COUNTY	4000	4000	100%
Total	213366.1	200664	94%

Special Calculations

In order to understand the water supply of United Water, Settlers, Little Pioneer, special calculations are required:

United Water

United Water's only carryover after the 2012 season was 336.4 acre-feet in Lucky Peak reservoir. Since then, they have withdrawn 2082 acre-feet of storage. Their rental accounts in Anderson Ranch and Lucky Peak have accumulated 86.1 acre-feet and 474 acre-feet respectively for a total fill of 560.1 acre-feet. United Water has also rented of 1500 acre feet from Boise Valley. United Water's total available storage for the remainder of the season is 314.5 acre-feet. Table 4 shows the calculation in detail. It should be noted that they should continue to acquire some fill in Anderson Ranch before the runoff season ends. See the *Anderson Ranch Forecast* section.

Table 5. Remaining Available Storage for United Water

```
336.4 Carryover
560.1 Fill
1500 Rental
-2082 Storage use (Nov. 1-Apr. 15)
314.5 Available Storage
```

Settlers Canal

Settler's Canal according to the 2012 Storage Report had 7778.4 acre-feet of carryover storage in Lucky Peak and no carryover in Anderson Ranch. Because Settlers moved 3500 acre-feet of Lucky Peak storage space to *last to fill* we transferred 1278.4 acre-feet of storage space in Lucky Peak to their Anderson Ranch account, otherwise they would end of with a negative fill.

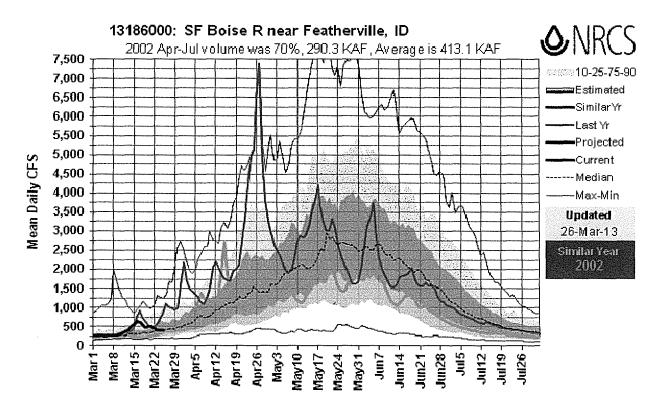
Little Pioneer Canal

Little Pioneer faces the same issue as Settlers in that they placed 500 acre-feet of storage Lucky Peak last to fill, therefore we needed to transfer 500 acre-feet from their carryover in Lucky Peak reservoir to their Anderson Ranch account.

Anderson Ranch Inflow Forecast

The NRCS estimates that this year's runoff will be similar to 2002 (see Table 6). In that year 290,000 acre-feet were added to Anderson Ranch Dam while the Northwest River Forecast Center predicts 343,000 acre-feet with a 50% exceedance probability are likely to enter Anderson Ranch. While, forecasters are assuming that water supply will, unless significant spring rains come, be on the lower end of the forecast which would reduce the probability of Anderson Ranch filling, there is still likely to be a significant accumulation of storage in the coming month. A lot depends on how strong irrigation demand will be this year.

Table 6. An NRCS forecast Graph Showing 2002 and 2013 Runoff.



Conclusions

In reviewing the April 15th storage report, users should understand that there is still significant time for storage to accumulate in Anderson Ranch Reservoir. There is little doubt that Lucky Peak will completely fill, but those users with little carryover in Anderson Ranch, may end up with less than full storage space. The greatest difficulty in filling Anderson Ranch would be if irrigation demand rises quickly reducing the amount of flow available for storage.

April 15 th Interim Storage Rep 1

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2 Tarangan panganan apas arangan namanan pangan pangan pangan apas arangan pangan pangan pangan pangan pangan pa Bangan pangan	
and particular that the extra distribution is a special distribution of the contract of the co	
	TABLE 1. 2013 BOISE RIVER STORED WATER BY RESERVOIR
0	강한 사람들은 사람들은 사용하는 사람들은 사람들은 사람들이 되었다. 이 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
mang daga gapat di di akanan (teru di daga gang paga (di dag) di kananangan (tega gang and da tit) pasa di sang Bang daga gapa di daga gang paga (tega dag) daga kananangan (tega gang and da tit) pasa di sang gang daga daga	(ACRE-FEET)
de de la companya de	RESERVOIR SPACE FILL EVAPORATION YIELD
5 6 7	
To comment the stranger at 11 th comment to comment the comment of	ARROWROCK 272224.0 272224.0 2244.4 269979.6 ANDERSON RANCH 449530.0 226026.0 4526.9 221499.1
5 0	LUCKY PEAK 213366.1 200664.0 2949.9 197714.1
	ANDERSON LST FIL 500.0 0.0 0.0 0.0 LUCKY PEAK LST FIL 51004.0 0.0 0.0 0.0
1	
Santana santana mandan kan sang kang mananda sang mananda sang mananda sang sang mananda sang mananda sang man A	TOTAL 986624.1 698914.0 9721.2 689192.8

									errent i sens en	e constitue e como contra con en disconormo and a de embreo.
2									20130418	1.2
			armanistra and a superior and a supe	alaster et de la company d					20130418	
- 5										5
5		n, en seus stadt til med skrimet menne et til 1980-blik myttegnissa stem ben brædt gengensen i 1985 met i set	and the state of t	gga a nga ng 1990 ti Piling Shiffel (Shiffel a mananganagin Shiffel Sh	kaja arabitanje jako kajaka kajanjanjanjanja jako kaharajok kan kajanaj	aga a mining gang panahanan ang ana mamang na a asawan pangan a	territorio de la composició de la compos	and the passance of a special transfer of the same		170
1-2		TABLE 2. 2013 F	BOISE RIVER	RESERVOIR S	PACE BY USE	R. (ACRE-FEE	T)			
1-3										
10	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON I	JICKY PEAK	TOTAL	utatuugi juguun nyi ja ja ja ta'i minni nyi jugu ay na makilii jugu ja minikilii ja	Zadacamanananananananananananananananananan
11	2,01,152,1		111110	111111111111111111111111111111111111111		11112113011 1		10,112		11
12		O TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0		12
13		4 OSPREY	0.0	0.0	300.0	0.0	0.0	300.0		13
14		4 WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.0		144
13		0 LUCKY PEAK NURSERY 0 F&G INSTREAM	190.0 0.0	0.0	0.0 50000.0	0.0	0.0	190.0 50000.0	antininin mengapan dan mengapan penganan penganan beraham mengapan beraham mengapan penganan beraham mengapan	
17		1 USBR INSTREAM	0.0	0.0	105013.0	0.0	38339.0	143352.0		17
18		0 NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0		3.0
19	1320352	7 SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0		
20		0 RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0		1 1 1 1 1 1 1 1 1 2 1 1 1 2 1 1 1 1 1 1
21		provinción de la como como provinció de la combinación de la compresenta de la compresión de la compresión de combinación de la compresión de la combinación	0.0	531.0	0.0	0.0	0.0	531.0	in the section of the	o economica de come de la come de
122		0 ROSSI MILL 0 BOISE CITY	0.0	0.0	300.0 700.0	0.0 0.0	400.0	700.0 700.0		144
2.4		O UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.0		124
25		5 SETTLERS	2668.0	5675.0	6500.0	0.0	3500.0	18343.0	esta an esta esta esta esta esta esta esta esta	Î 25
20	1320551	7 FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.0		126
27	1320562	2 THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0		
28		O FARMERS UNION	2779.0	5593.0	8135.0	0.0	1865.0	18372.0		2.3
29		1 BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0		29
130		3 CAPITOL VIEW 0 NEW DRY CREEK	0.0	449.0 1266.0	0.0 3000.0	0.0	0.0	449.0 4266.0		
30		NEW DRI CREEK NEW UNION	0.0	0.0	600.0	0.0	300.0	900.0		32
33		0 WARM SPRINGS	0.0	0.0	61.5	0.0	33.0	94.5		133
34	1320626	5 BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0		34
35		O CONWAY-HAMMING	0.0	0.0	27.1	0.0	14.0	41.1		136
[36]	popular principal properties of the contract o	2 MACE-CATLIN	0.0	0.0	579.1	0.0	311.0	890.1	estal nămera statum est seagra con les control de coma nacionam pel criscian de musiciones a	136
37		0 HART-DAVIS 0 MIDDLETON	0.0	0.0	303.1 8500.0	0.0	163.0 2500.0	466.1 11000.0		
130		O SEVEN SUCKERS	0.0	0.0	147.3	0.0	79.0	226.3		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
10	Control of the second	0 PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0		30
44	1320948	2 EUREKA #1	0.0	0.0	1800.0	0.0	1000.0	2800.0		41
42		0 LITTLE PIONEER	0.0	1623.0	0.0	500.0	500.0	2623.0		
43		O CANYON COUNTY	0.0	0.0	4000.0	0.0	2000.0	6000.0 1146.0		
44		2 SEBREE 0 ANDERSON DAM POWER	1146.0 0.0	0.0 6.0	0.0	0.0 0.0	0.0	6.0		55
46	pagagagi pakapan ing pagan ing pananan ing pananan ing pananan ing pananan ing pananan pananan ing pananan	O ANDSN UNCONTRACTED	0.0	36956.0	0.0	0.0	0.0	36956.0	y og mennestrere i skilgert og fragte en trepresere stil egen parteil utvikkere er en kantilet blev filme stræmme e E	Section and sec
17	333300		0.0							577
48		TOTAL	272224.0	449530.0	213366.1	500.0	51004.0	986624.1	garaga antaganantig abasa gangay. Milinka ang partigangkang at ti ilina ang 19 19 juning telpakatikan at tinta dibiga te	St. St.
49										
150										
51							in a superior de la company		ssigni in ann a deileid de a la talanna sa de a de a la como de la	
52 53 54 55 55										52 53
54										[54
[85]										ES
[56]										
					agarlagas dat allamata menanligas regiones stort i manole		and the second second second second second	and the second s	ingener i provincia di propriestra a province centriale e e deli processi il libre e trimo propriest	rissamentelisioniminen minimiserimiserimiserimiserimiserimiserimiserimiserimiserimiserimiserimiserimiserimiseri SS
58										140

1											1.1
12											12
1-4	and and the area of the company in the street of the special contract of the street, and the street of the street				Denis and a service discovering the first	وكرر روسيا أستحرا ويوسك وأوران وسلمواسد		and the second second	m-and give to communication	20130418	
5											\$-4000 G
LS	ganates par paga a sagawa falah ina asasasan da mendant karangga ing merekan tahun tentro tentro sa titoraman	andalism annad popular anteriora anteriora en coliterar en envirollen en elitelitzan e en sandalis interellitui				P. Not magnifiles, the support on the continues of a					5
1.7		TABLE 3. 2013 BOI	SE RIVER	RESERVOIR	STORAGE A	ACCOUNTS.	(ACRE-FE	ET)			
1 8											1.3
10	e per emine destructurares de succession majorirenda accominente estranocados higorirendas abandos.	dente sentici dell'elemente sono contregio persone chi secrepto per contrigitamente presi	ARROWROCK	*AND	ERSON RAN	1CH*	*T	UCKY PEAI	K *		Tra
11	NUMBER	USER		CARRYOVER							112
112	we appear to green and product as part of the comment of the part of the comment of the comment of the comment	engermann der kan land den minner annder der ste en en en mande kan er verten kan be en dem der eine beseich e					aga ana ar agasad a masasan an ana an ana an an af mananan a a		Announce of a paint make right horizon	amin 180 maa 1905 maa 1804 maa 1817 oo haa maa	12
113		TRINITY SPRINGS	0.0	786.4	13.6	800.0	0.0	0.0	0.0		133
135	13199804	WILDERNESS RANCH	0.0 0.0	0.0	0.0 0.0	0.0 0.0	251.3 177.0	48.7 23.0	300.0 200.0		174
118		LUCKY PEAK NURSERY	egammanat erimonopopopopopopopiqa post os sociologicis su co	0.0	0.0	0.0	0.0	0.0	0.0	raminable de continue de la continue del la continue de la continu	48
17		F&G INSTREAM	0.0	0.0	0.0	0.0			46869.1		117
18	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	55588.6	45247.0	100835.6		138
19		NEW YORK		130913.3		161179.4	0.0	0.0	0.0		1.5
120		SURPRIS VY/MICRON	0.0	2948.9	51.1	3000.0	0.0	0.0	0.0		120
120	13203760	RIDENBAUGH	3794.0 0.0	0.2 522.0	1272.9 9.0	1273.1 531.0	0.0	0.0	0.0		121
523		ROSSI MILL	0.0	0.0	0.0	0.0	280.9	0.0 19.1	300.0		166
124		BOISE CITY	0.0	0.0	0.0	0.0	666.6	33.4	700.0		24
25	13204200	UNITED WATER	0.0	0.0	86.1	86.1	0.0	474.0	474.0	anne en alemane que ante a mais esta esta esta esta esta esta en esta esta en esta esta esta esta esta esta esta en es	125
126		SETTLERS	2668.0	1278.4	488.6	1767.0	6500.0	0.0	6500.0		123
127	\$1625-000 N. V. SCAGO & AGAIN AND ASSAULT SAN ASSAULT SERVICE	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1159.5	340.5	1500.0		127
		THURMAN MILL FARMERS UNION	0.0 2779.0	0.0	0.0 481.5	0.0 481.5	550.4 0.0	249.6 3505.1	800.0 3505.1		23
30		BOISE VALLEY	0.0	0.0	80.8	80.8	1883.2	616.8	2500.0		130
31	particular and the control of the co	CAPITOL VIEW	0.0	215.0	38.7	253.7	0.0	0.0	0.0		131
32	13206090	NEW DRY CREEK	0.0	643.9	109.0	752.9	2973.5	26.5	3000.0		. [32]
33		NEW UNION	0.0	0.0	0.0	0.0	586.6	13.4	600.0		132
34		WARM SPRINGS	0.0	0.0	0.0	0.0	30.5	26.5	57.0		3.2
130		BALLENTYNE CONWAY-HAMMING	0.0	0.0 0.0	31.6 0.0	31.6 0.0	786.5 15.7	513.5 11.4	1300.0 27.1		36
37	وبالبرقة فيالتانان المراحدي سنتنا كعاكم ميسيسين بالملكة ماليك والماران والمارات والمارات والمارات المارات	MACE-CATLIN	0.0	0.0	0.0	0.0	488.3	90.8	579.1	ggamigrang arangan arangan principa ing arganina minaran manaran ang arang ara	107
35		HART-DAVIS	0.0	0.0	0.0	0.0	39.1	130.6	169.7		130
39	13208710	MIDDLETON	0.0	0.0	0.0	0.0	8296.0	204.0	8500.0		139
40		SEVEN SUCKERS	0.0	0.0	0.0	0.0	126.3	21.0	147.3		40 41 42
41	13209480		20326.0	15255.2	2151.1	17406.3		211.6			14/1
142		EUREKA #1 LITTLE PIONEER	0.0	0.0 1280.9	0.0 139.7	0.0 1420.6	1094.5	705.5	1800.0	a an antana an an antana antana	142
14		CANYON COUNTY	0.0	0.0	0.0	0.0	3100.9	899.1	4000.0		134
45	13210992		1146.0	0.0	0.0	0.0	0.0	0.0	0.0		145
46	99999050	ANDERSON DAM POWER	0.0	5.9	0.1	6.0	0.0	0.0	0.0	to and the second second control of the second seco	[46]
147	99999080	ANDSN UNCONTRACTED	0.0	36583.8	372.2	36956.0	0.0	0.0	0.0		137
148		warmen di medikapanian menindi mendingah secara sedi di dimenggalaman ang disam	070004	200422	25502.1	226026	105700:4	74054.6	200664.0	ar meninga pantaraman na mang mpujup a mangani sagi pantaba attawap wan manu mangaran an mana barta da an manu ta panta sati panta sa an pantabara sa manu ta panta sa an pantabara sa manu ta	146
145		TOTAL	2/2224.0	190433.9	35592.1	226026.0	125/09.4	74954.6	200664.0		150
L2%. [51											-151
52	oraniera er er et hatter titale habet i serventera er er en habet ett ett er er er en hebet er er e	લ્લા પ્રાથમ વાલા કારણ તે પ્રત્યા વર્ષે તે જ કરવા મુક્ત તે અનવ તાના ભાગ ભાગ છે. તે તાલા કારણ જે લોક તે જ અને તે અને	in the second se	openia pirina rendera proprieda provincio	vanagaga varidismood oo oo digaalii gagaa	west to the test test test suggested by a the second section test section.	ero alla minima dell'estre di Esperadi della mandi di Propositi di		erieni automonio ir	5	[52]
[53											[63]
54	James invocation with althoughts and require the Weiler	menwelski kenni dirim i Valon nydmin dialam dikongo dipagamin	program and the state of the st	Service in the service of the service of					***************************************	em desse de mes em	154
55											100
57											37
51 52 53 54 55 55 57 56	นั้งและ จะไม่ ก็จากระบบลางและ ในเมาก็สามาจากกลัง การก็ แม่เสียง คนาจากกลังแก้ แบบมีการแก้	<u>พระวันบางเละวันเครายหายการนักวันพระทำพลดาจต่นนั้นในมากันและเรยแน้น</u>	garantaminennis ajatameman	žamo gržaji kon e nemojemje nampilošno mo	องจำหนาย และสาราช ของ เพื่อไปไปเป็นการจับ	promision of the second second	engling y promonent and property and securi	استند مساومة بخواها ويبور ويناسب	later este tribune a configurar restributor?	การแบ้วายกระบานของสามาราก การการเกราะสามาราก สามาราก สามาราก สามาราก สามาราก สามาราก สามาราก สามาราก สามาราก ส	51 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
[69]											59

TABLE 3 (CONTINUED). 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

[10]			*ANDERSON	RANCH LA	ST FILL *	* LUCKY	PEAK LAS'	r fill -*	*	- TOTAL -	*		110
11	NUMBE	R USER	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE		[11
13	121000	00 TRINITY SPRINGS							500.4		000	kan mengalan menderan menderan mengengan pala mengengan panggan mengenan mengenan meneran mengengan men	-11
131			0.0										
141		04 OSPREY	0.0										1
101	CONTRACTOR OF THE PROPERTY OF	24 WILDERNESS RANCH	0.0	nararaniariaria menyanyan alah darah	- company in the contract of the contract of	sesses in the contract of the	and the second s	0.0	ontrinogrammini i incinciani i i	aries a consistence of a property	original expression and a construction of the	Geographisherinda berinda karangan arang kanang karang karang karang karang karang karang karang karang karang	1
161		50 LUCKY PEAK NURSERY						0.0			190.0		111
14		90 F&G INSTREAM	0.0					0.0			46869.1		
151	and the state of t	91 USBR INSTREAM	0.0					0.0	and a contract of the contract of the contract of		100835.6	managa 200 kita a amin'ny 1904-tao amin'ny syrita arita amin'ny taona 2008–2014. Ilay syrita a isana ikao	
137		00 NEW YORK	0.0						130913.3				
241		27 SURPRIS VY/MICRON											
21		60 RIDENBAUGH	0.0	egenenyegeneg eretogenejeten,7 yyprodelor	etaga (ggangaptikananga araila	والأبوا والمدود بالمحاصلة فوقوهم فمستصمر أوه فإمار	Jajakana (joseanna araba per seres species est.	0.0	estratigis diperaturqui e riteraturite escriptura un cumum e	ertedeth steer, , in eine in indication of ince	5067.1	and hay-core of reason in time core of case remode above to the account him to get date as sate about application in most of the	Sand Sa
-		05 BUBB	0.0					0.0			-		
23		60 ROSSI MILL	0.0					0.0					1.5
241	and the first production in the production of the second participation in the second second in the s	90 BOISE CITY	0.0	and the second second second second second			and the face of the property of the state of	0.0	s tanan amagaan marayan sa		emingrine and grown recommendation	dipersion and interesting and in processing and in the contraction of the contraction of the contraction of the	
201		00 UNITED WATER	0.0					0.0			560.0		114
26]		15 SETTLERS	0.0	and a grant of the first							10935.0		144
44	CARCOTTORIO O CONTRATA DE CARCOTTORIO DE CARCOTTORI	17 FAIRVIEW ACRES	0.0	varotosa ir densi krein ninesi muu muu ee n	ordinario con del con del con		angerere aranggi kiya kabala seringala ng	0.0	printed and the printed and the second and the seco	operations and the contract of	1500.0	niyyakiki timoon girmaagaga bira ta'aan maada koo tanaan maa ka tanbirimaa ay'i gaga biri ina tana	-in-l-
25		22 THURMAN MILL	0.0					0.0			800.0		14
29		40 FARMERS UNION	0.0					0.0			6765.6		12
30)		41 BOISE VALLEY	0.0				a parameter succession and section as a	0.0					- 13
21[43 CAPITOL VIEW	0.0	and the first of t				0.0					- 12
32]		90 NEW DRY CREEK	0.0					0.0			3752.9		
131	hann gift trop to the Gyr far guarant groups trouble the experience in consistence in consistence in a surgery	92 NEW UNION	0.0	entropy destination that are for examine the termination	restanciaria servicio e estato - como,	ATTACAMENTAL PROPERTY AND	entration and the control of the first control of the control of t	0.0	gggangerergesporterer i i i i i i i i i i i i i i i i i i	rytjerroom fi tilloogereen (store i en een mengee een	600.0	jaaring keersteen maan makkamakama taan an diberka aran aran makkamaka ja sa ta'uu waxaa sa sa sa sa sa sa sa s	incur)
34]		20 WARM SPRINGS	0.0					0.0			57.0		12
35		65 BALLENTYNE	0.0					0.0		-			1.0
38].	many programmy recommendation of the programmy contribution of the	70 CONWAY-HAMMING	0.0		gradenia and promoting grander system	place of the control of the control of the control of	and the state of t	0.0	فالقومتين بتناور ويونا التناويت ويواد		27.1	deret men er et demonstraten er er et demonstraten er de desenver de demonstraten de demonstraten de desenver	
37].		92 MACE-CATLIN	0.0										1.1
38]		50 HART-DAVIS	0.0					0.0					
19[CONTRACTOR AND AND ADVANCES OF THE CONTRACTOR STATES AND ADVANCES OF THE CONTRACTOR AND ADVAN	10 MIDDLETON	0.0	and the second s	den compression de la compress		manders du contention en de la financia de la compansión	0.0	engelenten melini in	withtented ortgo, in our coleres in	8500.0		samurado —
40]		40 SEVEN SUCKERS	0.0					0.0			147.3		13
411	132094	80 PHYLLIS	0.0	0.0	0.0			0.0					14
42	way no was considerable and was considerable and a second second second	82 EUREKA #1	0.0				a garage and a second control of the second	0.0			1800.0	en de management de la com	
43]	132096	30 LITTLE PIONEER	0.0	0.0	0.0	0.0		0.0					1.4
44}	132099	90 CANYON COUNTY	0.0	0.0	0.0			0.0					
45[132109	92 SEBREE	0.0	0.0	0.0	0.0	0.0	0.0	previous place accompanies and accompanies of the property of	and a special contract of the	1146.0		
48	999990	50 ANDERSON DAM POWER	R 0.0	0.0	0.0						6.0		
47	999990	80 ANDSN UNCONTRACTEI	D 0.0	0.0	0.0	0.0	0.0	0.0	36583.8	372.2	36956.0		1.4
48			managan (1) To difference page against the contract of				garan en anna en jumpa a managanga en en estado y a		ang again aga ag ag atabah hali hali higa ana ta aga ag t	may recover process process and	a para spirantena a servicia a spirantena a	a marannaga kanta a ang sa makanaga saka a kanta a ga kant terana kan ka ketap melandapa at kana keta ketara diberbitar	
49]	T	OTAL	0.0	0.0	0.0	0.0	0.0	0.0	316143.3	382770.7	698914.0		4
50].													1. [5]
51			payloggar graphicage producting recommen	and a supplied to the particle of the supplied			أنترية والمعارضين وينشرك والمستوينة والتواري			ala anno de la companione		ni gayayayan anan anganan na ngarawan angarawan an angarawan an angarawan an angarawan an angarawan an angarawa	4.4
· vomilie													14.5

TABLE 4. 2013 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

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-71	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL	AFTER LOSS	
3]	3330000									40 1002202	
	i det de Prillipio Indefenta de comprantible en Marken (producio de la grantima como como como como con el col	TRINITY SPRINGS	0.0	784.0	0.0	784.0	0.0	0.0	784.0		
14	13199804		0.0	0.0	295.6	295.6	0.0	0.0	295.6		
		WILDERNESS RANCH	0.0	0.0	197.1	197.1	0.0	0.0	197.1		
14	apagan PAN kan kangang katan kanangan at itah apparti banang mangang pigan baharangan galang at an agamangangan, ang	LUCKY PEAK NURSERY	188.4	0.0	0.0	188.4	0.0	0.0	188.4	an arm army and a sum of the contract of	
		F&G INSTREAM	0.0	0.0	46180.1	46180.1	0.0	0.0	46180.1		
14)		USBR INSTREAM	0.0	0.0	99353.2	99353.2	0.0	0.0	99353.2		
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16)		SURPRIS VY/MICRON	0.0	2939.9	0.0	2939.9	0.0	0.0	2939.9		
17		RIDENBAUGH	3762.7	1247.6	0.0	5010.3	0.0	0.0	5010.3		
18.[13204005		0.0	520.4	0.0	520.4	0.0	0.0	520.4		
19		ROSSI MILL	0.0	0.0	295.6	295.6	0.0	0.0	295.6		
20]		BOISE CITY	0.0	0.0	689.7	689.7	0.0	0.0		684.9	
21		UNITED WATER	0.0	84.4	467.0	551.4	0.0	1500.0	2051.4		never ferriterire between en
22]		SETTLERS	2646.0	1731.6	6404.4	10782.0	0.0	0.0	10782.0	10706.6	
23]	13205517	FAIRVIEW ACRES	0.0	0.0	1477.9	1477.9	0.0	0.0	1477.9		
24	tages of the company and the company of the company	THURMAN MILL	0.0	0.0	788.2	788.2	0.0	0.0	788.2		
25]	13205640	FARMERS UNION	2756.1	471.9	3453.6	6681.6	0.0	0.0	6681.6		
26)	13205641	BOISE VALLEY	0.0	79.2	2463.2	2542.5	0.0	-1500.0	1042.5	1035.2	
27	13205643	CAPITOL VIEW	0.0	248.6	0.0	248.6	0.0	0.0	248.6	246.8	
28	13206090	NEW DRY CREEK	0.0	737.8	2955.9	3693.7	0.0	0.0	3693.7	3667.9	
29	13206092	NEW UNION	0.0	0.0	591.2	591.2	0.0	0.0	591.2	587.0	
30	13206220	WARM SPRINGS	0.0	0.0	56.2	56.2	0.0	0.0	56.2	55.8	
31	13206265	BALLENTYNE	0.0	31.0	1280.9	1311.9	0.0	0.0	1311.9	1302.7	
32	13206270	CONWAY-HAMMING	0.0	0.0	26.7	26.7	0.0	0.0	26.7	26.5	
33	13206292	MACE-CATLIN	0.0	0.0	570.6	570.6	0.0	0.0	570.6	566.6	
34	13208450	HART-DAVIS	0.0	0.0	167.2	167.2	0.0	0.0	167.2	166.0	
35	13208710	MIDDLETON	0.0	0.0	8375.0	8375.0	0.0	0.0	8375.0	8316.4	
38	13208740	SEVEN SUCKERS	0.0	0.0	145.1	145.1	0.0	0.0	145.1	144.1	
37	13209480	PHYLLIS	20158.4	17057.7	15764.8	52980.9	0.0	0.0	52980.9	52610.0	
381	13209482	EUREKA #1	0.0	0.0	1773.5	1773.5	0.0	0.0	1773.5	1761.1	
391	13209630	LITTLE PIONEER	0.0	1392.2	0.0	1392.2	0.0	0.0	1392.2	1382.4	
401		CANYON COUNTY	0.0	0.0	3941.2	3941.2	0.0	0.0	3941.2	3913.6	Indialidatificana estado mino
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(email sent 5/21/2013 8:11 AM) to Liz Cresto and David Hoekema

Liz,

Yesterday UWI was able to lease 2000 af from the following space holders. Canyon County Water Company (Canyon County Ditch) 1000 af Middleton Irrigation Assoc. 500 af Middleton Mill Ditch Company 500 af. Both Middleton's are thru the Middleton Canal.

This is all from Lucky Peak.

Thanks,

Rex R. Barrie Boise River Watermaster



322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

EVAPORATION CALCULATIONS FOR RESERVOIRS IN THE BOISE RIVER WRA

To: Liz Cresto & Sean Vincent

From: David Hoekema

Date: February 25, 2013

Overview

On February 13, 2013 Liz asked me to investigate how reservoir evaporation is being calculated for the "old" water right accounting (WRA) model for the Boise River. The following sections describe what I have found. I start by describing the traditional pan evaporation (E_{pan}) equations and the use of reference evapotranspiration (ET_{ref}) to estimate pan evaporation. I then describe the Allen and Tasumi (2005) method for determining reservoir evaporation and then the current WRA estimate of evaporation. Finally I conclude this memo by showing that use of historic WRA evaporation estimates, using either E_{pan} or ET_{ref} , would increase evaporation predictions by about 150% while the Allen and Tasumi (2005) method would reduce current evaporation estimates by around 60%.

Traditional Evaporation Calculations

Evaporation from reservoirs is an important part of the WRA model, because evaporation from the reservoirs is charged to those entities with storage rights in the reservoirs. As such it is important to note that we only keep track of reservoir evaporation during the *allocation season* from April 1st to October 31st. Evaporation from reservoirs on the Boise River was originally estimated based on pan evaporation (E_{pan}) measurements taken at Arrowrock Reservoir. The evaporation rate was based on Equation 1 and was a product of the surface area (SA) of the reservoirs, seventy percent of the pan evaporation, and precipitation (PP) as shown below:

$$Evap = (0.7E_{pan} - PP)SA (Equation 1)$$

If the precipitation rate is greater than $0.7E_{pan}$, the WRA sets the evaporation rate to zero. A negative evaporation rate would allow precipitation to create a *gain* in the accounting model. Such a gain would result in double accounting as the increase in reservoir volume is already measured by the reservoir gage and the flow or storage generated by the rain should be considered as a *natural flow* before it becomes storage. The surface area (SA) of each reservoir is based on the reservoir content and is hardcoded into the model.

The use of pan evaporation is problematic as such measurements are prone to error and the data is often missing. The attached spreadsheet *ET.calculation.xlxs*, which shows pan evaporation rates measured by the USBR between 1996 and 2006, indicates that well over half the pan evaporation rates are missing or invalid.

Reference Evapotranspiration Calculations

The problem of pan evaporation has been addressed at least twice by the department. A memo by Bob Sutter dated September 18, 1989 (found at: N:\Hydrology\WRA\Sutter_Archives) suggests that reference evapotranspiration (ET_{ref}) based on the Wright-Penman calculation could be

used instead of pan evaporation to estimate reservoir losses from American Falls Reservoir. Sutter found that ET_{ref} could be used to approximate PE as described in Equation 2:

$$0.8ET_{ref} = 0.7E_{pan}$$
 (Equation 2)

A second memorandum by ¹Sheryl Howe dated January 8, 1997 shows that ET_{ref} computerd for the Parma Experiment Station correlated ($r^2 = 0.72$) with E_{pan} measured at Arrowrock Dam and was nearly equal in volume. She suggested the following equation could be used to approximate E_{pan} :

$$E_{pan} = 1.02ET_{ref} - 0.01$$
 (Equation 3)

Allen and Tasumi (2005) Reservoir Evaporation Calculations

In 2004 ²Allen and Tasumi (2005) performed and evaporation study on the American Falls Reservoir. They found that reservoir evaporation could be determined at American Falls reservoir based on a modification of the aerodynamic method developed by ³Kondo (1975) using only the parameters of windspeed and air temperature. ⁴Allen and Robison (2007) used the findings of the Allen and Tasumi (2005) to calculate deep, open water evaporation at multiple weather stations across the state of Idaho, including the NWS station located at Arrowrock Reservoir.

Comparison of Evaporation Rates at American Falls Reservoir in 2004

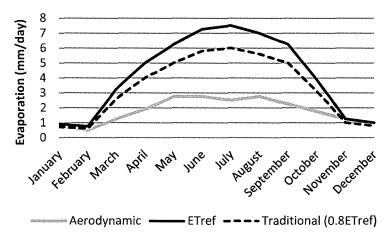


Figure 1. Comparison of Alfalfa based Reference Evapotranspiration, the Traditional Reservoir Evaporation Equation, and Reservoir Evaporation based on the Aerodynamic Method (Allen & Tasumi, 2005; Allen and Robison, 2007)

Allen and Tasumi's (2005) study indicates that evaporation from the American Falls Reservoir is far less than then would be implied by the traditional method of ET_{ref} or E_{pan} methods. Figure 1 compares the evaporation from a well watered crop of alfalfa (ET_{ref}), traditional reservoir

¹ 1997-2001 Boise River Accounting

² R.G. Allen and M. Tasumi (2005). "Evaporation from American Falls Reservoir in Idaho via a Combination of Bowen Ratio and Eddy Covariance." Proceedings of the EWRI World Water and Environmental Resources Conference, Anchorage, AK, May 15-19.

³ J. Kondo (1975). "Air-Sea Bulk Transfer Coefficients in Diabetic Conditions. *Boundary-Layer Meteorology* 9:91-112.

⁴ R.G. Allen and Robison (2007). Evaporation and Consumptive Water Requirements for Idaho, Appendix 10: Evaporation from deep, open water. University of Idaho Research and Extension Center at Kimberley, ID.

evaporation estimates (0.8ET_{ref}), and the aerodynamic method proposed by Allen and Tasumi (2005). The values for the aerodynamic reservoir evaporation method in Figure 1 were estimated from Figure 10.4a on p. 197 of the Allen and Robison (2007) report. Based on Figure 1 reservoir evaporation would be 48% less between April and October when calculated by the modified Kondo method than when calculated by the traditional methods applied in the WRA model.

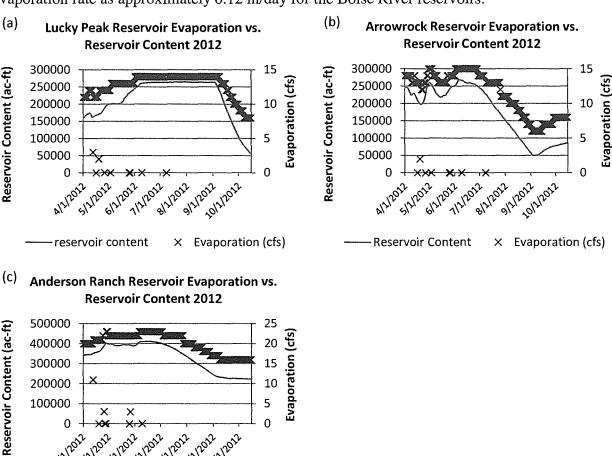
The lower rate of evaporation estimated by Allen and Tasumi (2005), as compared to the traditional pan evaporation method, is due to the significant difference in the energy partition which occurs at a pan or well watered alfalfa crop and a deep, open water body. Unlike in a shallow pan or crop where a large latent heat flux and minimual ground heat flux exist, in deep, open water incoming radiation penetrates deeply below the surface causing a large portion of the incoming radiation to be converted into water heat storage (equivalent to a ground heat flux on land) rather than into the latent heat flux. The latent heat flux represents the energy absorbed in the evaporation process. In addition, in irrigation reservoirs large irrigation releases allow a significant amount of the incoming radiation converted to water heat storage to be advected from the reservoir.

Current WRA Evaporation Calculations for Boise River Reservoirs

100000

Reservoir Content

The current method of calculating evaporation from reservoirs on the Boise River uses a constant rate of evaporation multiplied by the surface area of the reservoir. Figure 2 shows the WRA estimated evaporation at Anderson Ranch, Arrowrock, and Lucky Peak Reservoirs during the 2012 allocation season. As can be seen in Figure 1, the rate is constant from April through October and is decreased only by precipitation and reservoir surface area/content. I back calculated the evaporation rate as approximately 0.12 in/day for the Boise River reservoirs.



5

× Evaporation (cfs)

Figure 2. Accounted Evaporation from (a) Lucky Peak, (b) Arrowrock, and (c) Anderson Ranch in 2012

While the assumption of a constant evaporation rate from April through October does not follow the assumption implicit in the pan evaporation estimation where evaporation peaks with temperature in July, the constant evaporation rate appears to more closely match the study of reservoir evaporation on American Falls Reservoir conducted by Allen and Tasumi (2005) and discussed by Allen and Robison (2007). Allen and Robison show estimates of a daily evaporation rate between 2-3 mm/day (or 0.12-0.08 in/day) during the months of May-September.

The Implications of ET Calculation Methods on WRA at Arrowrock

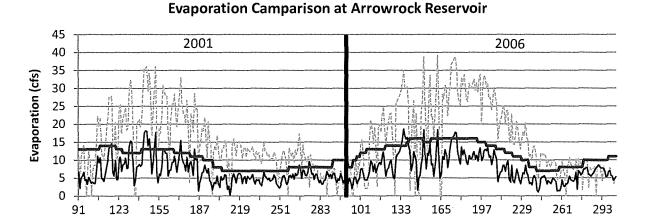
In order to understand the impacts of the various evaporation estimates on WRA calculations for the Boise River reservoirs, I provide in this section a comparison of evaporation estimates at Arrowrock reservoir for the decade from 2000-2009. I provide, in the following paragraphs, a comparison of WRA evaporation calculated using the traditional ET_{ref} method, the current method, and the Allen and Tasumi (2005) method. The traditional WRA estimate of evaporation at Arrowrock is based on the analysis of Allen and Robison (2007), who calculated ET_{ref} at Arrowrock based local temperature measurements and wind speed recorded at the Nampa Airport. Although there is a significant difference between the topography and land use at the reservoir and the Nampa Airport, located about 30 miles to west of Arrowrock, the total of the measured and estimated evaporation is very close. The Arrowrock ET_{ref} estimates provide a surprisingly good match to the pan evaporation rates taken at Arrowrock between 1997 and 2004. Table 1 shows a comparison of pan evaporation to ET_{ref} calculated by Allen and Robison (2007) and available pan evaporation measurements. The dates in column 1 of Table 1 represent periods of more or less contiguous overlapping records of E_{pan} and ET_{ref}. Where data for either ET_{ref} or E_{pan} are missing, both values were not included in the total evaporation estimate for the time period represented. Based on this analysis we assume that $ET_{ref} = ET_{pan}$. Therefore the traditional evaporation WRA rate at Arrowrock can be estimated using Equation 1, substituting ET_{ref} for ET_{pan}.

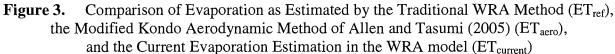
Table 1 Camparison of E_{pan} measured at Arrowrock and ET_{ref} estimated at Arrowrock (Allen and Robison, 2007).

Year	Dates	E _{pan}	ET _{ref}
1997	6/5-8/27	34.9	37.4
1998	7/8-8/19	34.2	36.0
1999	5/12-10/25	40.5	39.9
2000	4/13-9/29	36.7	36.2
2003	4/23-10/5	14.4	13.0
2004	5/9-10/7	21.0	20.6
	Total	181.6	183.2

Figure 3 compares the evaporation rate for the traditional WRA method of estimating evaporation, the current WRA method, and the Allen and Tasumi (2005) method at Arrowrock during the allocation season for the lowest water supply year (2001) and the highest water supply

year (2006) of the decade. Table 2 provides an annual estimate of evaporation during the allocation season for the decade from 2000-2009.





----- ETref

from 2000 to 2009.

Julian Days (April-October)

— ETaero — ETcurrent

Table 2. Comparison of Evaporation as Estimated by the Traditional WRA Method (ET_{ref}), the Modified Kondo Aerodynamic Method of Allen and Tasumi (2005) (ET_{aero}), and the Current

Evaporation Estimation in the WRA model (ET_{current}) During the Allocation Season for the Period

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
ET _{ref}	7440	6130	6220	5890	6160	5470	7140	6370	7260	6910
ET _{current}	4640	3920	4380	3750	4010	3740	4620	4310	4930	4440
ET aero	3067	2618	2640	2480	2560	2220	3010	2700	3000	2780

The current method of accounting reservoir evaporation in the WRA model appears to predict a value about half way between the Allen and Tasumi (2005) value and the traditional WRA method. On average the traditional pan evaporation method predicts about 150% more evaporation than we are currently accounting for. Should we employ the Allen and Tasumi (2005) method we would reduce the evaporation charge to storage users by about 60%.



322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098 Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

November 16, 2012

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607

RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK WATER RIGHT NO(S). 63-33517

Dear Renter:

Please find enclosed a receipt in the amount of \$ 1,300.50 and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 76.5 acre-feet of water for irrigation of 17 acres during 2013. Upon receipt of this fully executed agreement, you are authorized to divert water in compliance with the conditions of water use described in the agreement.

If you have any questions, please contact this office.

Sincerely,

Christine Field Water Supply Bank Support

Enclosure(s):

Receipt No. C096209

Rental Agreement (copy)

c:

John Westra - IDWR Western Regional Office

Liz Cresto - IDWR State Office

No action necessary. This nght was not in the water rights accounting ingut.

Fragram because it is a grandwater ingut.

Lizarests 2/20/12

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

NOV 1 3 2012

WATER SUPPLY BANK RENTAL AGREEMENT

DEPARTMENT OF WATER RESOURCE

This is to certify that:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board") being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank agrees to rent water as follows:

Summary of Water Rights or Portions Rented from the Bank

COMBINED	Water	Rented	Annual Rented	Total Rented
	<u>Right</u>	<u>Rate</u>	<u>Volume</u>	Acres
	63-33517	0.27 CFS	76.5 AF	17.0 AC
RENTAL TOTALS:		0.27 CFS	76.5 AF	17.0 AC

TERM OF RENTAL:

March 15, 2013 to November 15, 2013

RENTAL FEE:

\$1,300.50

Detailed water right specific limitations and conditions attached.

The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:

Having determined that this agreement satisfies the provisions of Section 42-1763, Idaho Code, and, IDAPA 37.02.03030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and conditions herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board this 14th day of November , 2012.

GARY SPACKMAN, Director Department of Water Resources

WATER RIGHT NO. 63-33517 WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

Priority Date: 09/29/1978

Source:

GROUND WATER

BENEFICIAL USE

From To

Diversion Rate

Volume

IRRIGATION

03/15 to 11/15

0.27 CFS

76.5 AF

Total:

0.27 CFS

76.5 AF

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

GROUND WATER

SW14NW14

Sec. 20

Twp 06N Rge 03W

PAYETTE County

RENTER'S PLACE OF USE: IRRIGATION

Twp	Rge	Sec		NE				NW			sw				SE				
			NE	NW	SW	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Totals
06N	03W	17											7.0	10.0					17

Total Acres: 17.0

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in the ongoing Snake River Basin Adjudication or any other department application process.
- 3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 5. This rental agreement does not authorize the construction of a well.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. The period of use for the irrigation described in this approval may be extended to a beginning date of 3/1 provided that beneficial use of the water can be shown and other elements of the right are not exceeded. The use of water before 3/15 is subordinated to all water rights having no subordinated early or late irrigation use and a priority date earlier than 04/29/2009.



State of Idaho DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C.L. "BUTCH" OTTER Governor **GARY SPACKMAN** Director

November 1, 2012

FRISBY FARMS INC 6208 SE 8TH AVE CALDWELL ID 83605

RE: APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK WATER RIGHT NO(S). 63-33517

Dear Renter:

The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. I have enclosed a Water Supply Bank Rental Agreement for your review and signature. Upon signature and return of the original agreement, together with the rental fee described below, the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

A rental fee of \$1,300.50 was calculated based on the current rental rate of \$17.00 per acre-foot times a diversion volume of 76.5 acre-feet. We require payment prior to the execution of this agreement.

Please send a check for \$1,300.50 made payable to the Idaho Department of Water Resources, together with the signed rental agreement, to my attention within 14 days so I can complete the processing. Pursuant to the Water Supply Bank Rules, 90% or \$1,170.45 of the rental fee will be paid to the lessor and 10% or \$130.05 will be retained by the Department to offset administrative costs.

If you have any questions, please contact me at (208) 287-4907.

Sincerely,

Monica Van Bussum

Sr. Water Resource Agent

Vonen Var Berse

Enclosure(s)

IDWR Front Desk

John Westra - IDWR Western Regional Office

Liz Cresto - IDWR State Office

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT

This is to certify that:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board") being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank agrees to rent water as follows:

	Summary of W	<u>ater Rights or I</u>	Portions Rente	d from the Bank								
	Water <u>Right</u> 63-33517	Rented <u>Rate</u> 0.27 CFS	Annual Rented <u>Volume</u> 76.5 AF	Total Rented <u>Acres</u> 17.0 AC								
COMBINED RENTAL TOTALS:	:	0.27 CFS	76.5 AF	17.0 AC								
TERM OF RENTAL	_:	March:1:5;-20	13 to Novembe	<u>15, 2013</u>								
RENTAL FEE:		<u>\$1,300.50</u>										
Detailed water right specific limitations and conditions attached.												
The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:												
Da	ted this	day of _		, 20	·							
Ву	: (Print Name)			gnature)								
	(i initivalile)		(3)	gnature)								
			•	tle if on behalf of company or organization)								
Having determined that this agreement satisfies the provisions of Section 42-1763, Idaho Code, and, IDAPA 37.02.03030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and conditions herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board this day of, 20												

WATER RIGHT NO. 63-33517 WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

FRISBY FARMS INC 6205 SE 8TH AVE CALDWELL ID 83607 (208) 459-0875

Priority Date: 09/29/1978

Source:

GROUND WATER

BENEFICIAL USE

From То **Diversion Rate**

Volume

IRRIGATION

03/15 to 11/15

0.27 CFS

76.5 AF

Total:

0.27 CFS

76.5 AF

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

GROUND WATER

SW¼NW¼ Sec. 20

Twp 06N Rae 03W

PAYETTE County

RENTER'S PLACE OF USE: IRRIGATION

Twp	Rge	Sec		NE				NW			SW				SE				
			NE	NW	SW	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Totals
06N	03W	17											7.0	10.0					17

Total Acres: 17.0

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in the ongoing Snake River Basin Adjudication or any other department application process.
- 3. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 4. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 5. This rental agreement does not authorize the construction of a well.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.
- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. The period of use for the irrigation described in this approval may be extended to a beginning date of 3/1 provided that beneficial use of the water can be shown and other elements of the right are not exceeded. The use of water before 3/15 is subordinated to all water rights having no subordinated early or late irrigation use and a priority date earlier than 04/29/2009.



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C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

Water Lease by United Water from Boise Valley

To: Liz Cresto

Date: April 17, 2013

From: David Hoekema

The Water Master of the Boise River (Rex Barrie), informed me in a phone conversation that United Water is leasing 1500 acre-feet from Boise Valley this year.



State of Idaho

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C.L. "BUTCH" OTTER Governor

GARY SPACKMAN Director

MEMO

Storage Report April 15th 2013

To: Liz Cresto & Sean Vincent

From: David Hoekema

Date: April 18, 2013

Introduction

Low snowpack has many irrigators in the Boise Valley worried about this year's water supply. Presenters from the USBR and NRCS at the April Water Supply Forecast meeting held at IDWR on April, 11th indicated that it was unlikely that Anderson Ranch would fill. On April 12th cool weather caused accumulation of storage water in Lucky Peak to stop, while irrigation has begun for nearly all canals within the system. At the request of Rex Barrie, Liz Cresto and I ran an early storage report of fill for the reservoirs in the Boise System. Typically a storage report is only run during the day of allocation and at the end of the season. It should be noted that we have not included the impacts of rental contracts and transfers in this report. Some diversions require a special calculation in order to understand their current condition. These diversions have been marked with a double star (e.g. **). Note these calculations are preliminary and subject to change as better data becomes available. The calculations for these diversions are explained in the Special Calculations section of this memo. As of April 15th Arrowrock water storage contracts have filled (see Table 1), Lucky Peak contracts are 94% full (see Table 2), and Anderson Ranch only has 50% of contracted space full (see Table 3).

Table 1. Arrowrock Storage Contract as of April 15th

	Space	Fill	% Fill
LUCKY PEAK NURSERY	190	190	100%
NEW YORK	241321	241321	100%
RIDENBAUGH	3794	3794	100%
SETTLERS	2668	2668	100%
FARMERS UNION	2779	2779	100%
PHYLLIS	20326	20326	100%
SEBREE	1146	1146	100%
Total	272224	272224	100%

Table 2. Anderson Ranch Storage Contracts as of April 15th

	Space	Fill	% Fill
TRINITY SPRINGS	800	800	100%
NEW YORK	351554	161179.4	46%
SURPRIS VY/MICRON	3000	3000	100%
RIDENBAUGH	14785	1273.1	9%

BUBB	531	531	100%
UNITED WATER	1000	86.1	9%
SETTLERS	5675	1767	31%
FARMERS UNION	5593	481.5	9%
BOISE VALLEY	939	80.8	9%
CAPITOL VIEW	449	253.7	57%
NEW DRY CREEK	1266	752.9	59%
BALLENTYNE	367	31.6	9%
PHYLLIS	24986	17406.3	70%
LITTLE PI O NEER	1623	1420.6	88%
ANDERSON DAM POWER	6	6	100%
ANDSN UNCONTRACTED	36956	36956	100%
Total	449530	226026	50%

Table 3. Lucky Peak Storage Contract as of April 15th

	Space	Fill	% Fill
OSPREY	300	300	100%
WILDERNESS RANCH	200	200	100%
F&G INSTREAM	50000	46869.1	94%
USBR INSTREAM	105013	100835.6	96%
ROSSI MILL	300	300	100%
BOISE CITY	700	700	100%
UNITED WATER	1100	474	43%
SETTLERS	6500	6500	100%
FAIRVIEW ACRES	1500	1500	100%
THURMAN MILL	800	800	100%
FARMERS UNION	8135	3505.1	43%
BOISE VALLEY	2500	2500	100%
NEW DRY CREEK	3000	3000	100%
NEW UNION	600	600	100%
WARM SPRINGS	61.5	57	93%
BALLENTYNE	1300	1300	100%
CONWAY-HAMMING	27.1	27.1	100%
MACE-CATLIN	579.1	579.1	100%
HART-DAVIS	303.1	169.7	56%
MIDDLETON	8500	8500	100%
SEVEN SUCKERS	147.3	147.3	100%
PHYLLIS	16000	16000	100%
EUREKA #1	1800	1800	100%
CANYON COUNTY	4000	4000	100%
Total	213366.1	200664	94%

Special Calculations

In order to understand the water supply of United Water, Settlers, Little Pioneer, special calculations are required:

United Water

United Water's only carryover after the 2012 season was 336.4 acre-feet in Lucky Peak reservoir. Since then, they have withdrawn 2082 acre-feet of storage. Their rental accounts in Anderson Ranch and Lucky Peak have accumulated 86.1 acre-feet and 474 acre-feet respectively for a total fill of 560.1 acre-feet. United Water has also rented of 1500 acre feet from Boise Valley. United Water's total available storage for the remainder of the season is 314.5 acre-feet. Table 4 shows the calculation in detail. It should be noted that they should continue to acquire some fill in Anderson Ranch before the runoff season ends. See the *Anderson Ranch Forecast* section.

Table 5. Remaining Available Storage for United Water

```
336.4 Carryover
560.1 Fill
1500 Rental
-2082 Storage use (Nov. 1-Apr. 15)
314.5 Available Storage
```

Settlers Canal

Settler's Canal according to the 2012 Storage Report had 7778.4 acre-feet of carryover storage in Lucky Peak and no carryover in Anderson Ranch. Because Settlers moved 3500 acre-feet of Lucky Peak storage space to *last to fill* we transferred 1278.4 acre-feet of storage space in Lucky Peak to their Anderson Ranch account, otherwise they would end of with a negative fill.

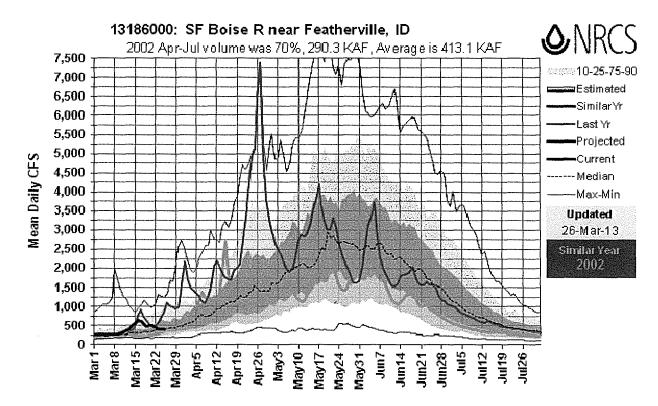
Little Pioneer Canal

Little Pioneer faces the same issue as Settlers in that they placed 500 acre-feet of storage Lucky Peak last to fill, therefore we needed to transfer 500 acre-feet from their carryover in Lucky Peak reservoir to their Anderson Ranch account.

Anderson Ranch Inflow Forecast

The NRCS estimates that this year's runoff will be similar to 2002 (see Table 6). In that year 290,000 acre-feet were added to Anderson Ranch Dam while the Northwest River Forecast Center predicts 343,000 acre-feet with a 50% exceedance probability are likely to enter Anderson Ranch. While, forecasters are assuming that water supply will, unless significant spring rains come, be on the lower end of the forecast which would reduce the probability of Anderson Ranch filling, there is still likely to be a significant accumulation of storage in the coming month. A lot depends on how strong irrigation demand will be this year.

Table 6. An NRCS forecast Graph Showing 2002 and 2013 Runoff.



Conclusions

In reviewing the April 15th storage report, users should understand that there is still significant time for storage to accumulate in Anderson Ranch Reservoir. There is little doubt that Lucky Peak will completely fill, but those users with little carryover in Anderson Ranch, may end up with less than full storage space. The greatest difficulty in filling Anderson Ranch would be if irrigation demand rises quickly reducing the amount of flow available for storage.

April 15 th Interim Storage Rep 1

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		THURMAN MILL FARMERS UNION	0.0	0.0	0.0	0.0	550.4	249.6	800.0		28
30		BOISE VALLEY	2779.0 0.0	0.0 0.0	481.5 80.8	481.5 80.8	0.0 1883.2	3505.1 616.8	3505.1 2500.0		LAN
31		CAPITOL VIEW	0.0		38.7	253.7	0.0	0.0	0.0		131
32	13206090	NEW DRY CREEK	0.0		109.0	752.9	2973.5	26.5	3000.0		. [32]
[33]	kannalan kantur kan kalabikan dengalah baharan kan Senagan pagan antara a mengapan menangan pada bah	NEW UNION	0.0	0.0	0.0	0.0	586.6	13.4	600.0		_[32]
34		WARM SPRINGS	0.0		0.0	0.0	30.5	26.5	57.0		3.0
130		BALLENTYNE	0.0	0.0	31.6	31.6	786.5 15.7	513.5 11.4	1300.0 27.1		36
30	والمنتوان والمنادي والمناجع والمناجع والمناجع والمناجع والمناول والمناجع وا	CONWAY-HAMMING MACE-CATLIN	0.0	0.0	0.0	0.0	488.3	90.8	579.1	оринарын размун жанда жанында үрин орин орин орин байын жанда жа	120
351		HART-DAVIS	0.0	0.0	0.0	0.0	39.1	130.6	169.7		38
39		MIDDLETON	0.0	0.0	0.0	0.0	8296.0	204.0	8500.0		139
40	13208740	SEVEN SUCKERS	0.0	0.0	0.0	0.0	126.3	21.0	147.3		40 41 42
[41]	13209480		20326.0		2151.1	17406.3		211.6	16000.0		141
142	propagation for the contract of the contract o	EUREKA #1	0.0	0.0	0.0 139.7	0.0 1420.6	1094.5	705.5	1800.0	and an enterior and a contract and a contract contract and a contr	143
14		LITTLE PIONEER CANYON COUNTY	0.0 0.0	1280.9 0.0	0.0	0.0	3100.9	899.1	4000.0		Han
45	13210992		1146.0	0.0	0.0	0.0	0.0	0.0	0.0		135
46	OCTOBATE NATIONAL CONTRACTOR AND	ANDERSON DAM POWER	egyeghelminkliger i ayyan ay ayyay an ifi mey sanya	5.9	0.1	6.0	0.0	0.0	0.0	r-r-seferor) karan-wigo-yayaan mitaga in mpokrani al-jiskaran yanka aran-cikhai mitaka kujika mitaka kujika mitaka maranka aran yan al-jisha mitaka mita aran al-jisha mitaka mit	[46]
[47]	99999080	ANDSN UNCONTRACTED	0.0	36583.8	372.2	36956.0	0.0	0.0	0.0		[17]
148	to Alticle of Addressed whose correct temporaries movement removes the changes of relativistic and	nam and masterparity names the traps are next, technological and definite								experience of the contract of	46
100		TOTAL	272224.0	190433.9	35592.1	226026.0	125709.4	74954.6	200664.0		1.00
1221											151
52	างและเกิดเกิดเกาะ ที่เปลี่ยนและเกาะโดย สมาราชานาด เกาะเกาะโดย เกาะเกาะโดย เกาะเกาะโดย เกาะเกาะโดย เกาะเกาะโดย	dan kanan dan dan dan dan dan dan dan dan dan		iyaayayidahaanaa aayayiyadadaha oo aha i	eranopolis minimo en regiminação	und de transpiration de la distribution de la constitución de la const	in a comment of the c	in a sum a construction of the construction of	erieni aminesana a muun muun menen kamatata e	ภาพระหมีทางกรมมากกรทุกกระจากการกรมมากการทุกกรมมากการทุกกระจากกรรมมากกรรมมากกรรมมากกรรมมากกรมมากกรรมมากกรรมมากก เกราะกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมากกรรมมาก	[52]
[53]											[53]
54	inner i interior and more orbital additional is the answer response in interior elementarion	men wester West on the control of the majority of the season hyperatories	inni ya samani in mana	garijana i arasa garasa si	and the second state of the second state of the second	279777 48 78 FO III - 21 MA 27 75 MINISTER			ere to discover and a second and a second and a	ren des son benem en menoren menor mostos mostos un modosen monuntadoras transcentes en monumentas la cor Sansos um unicleman ne es	_[54]
[35]											135
109											187
51 52 53 55 55 55 57 56 59	ก็และ จะไป ก็จากเราะเกลาและ และ ก็จะก็จากกำลังการกำละ เกลาสาราชาการกะ (mi kinsmi vi	merican resident entre en relations de la monde de la laco de la comba	og greek aan en greek beker kan men	وم ويكنون أومانون وأدخرون ويستر	iki ngaganikan merahabihin da	promision of profession are and a second	raginag y paparanana ana alipanyengaaninana	year hag a gaag t hopetserhard, assersamed	kat er er te trokkenn in kan ligatur verste årevte et	-เฉมีอาการทำแลกเมื่อเกราะการการแลกสารค่องการเล่นแรงสารคราวการและสารครามครามีคราวการการและสารการการการการการการก	52 52 53 54 55 56 57 68 58
[89]											[58]

TABLE 3 (CONTINUED). 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

[10]			*ANDERSON	RANCH LA	ST FILL *	* LUCKY	PEAK LAS	r fill -*	*	- TOTAL -	*		110
11	NUMBE	R USER	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE		[13
12	4 2 4 0 0 4	O O THE TAXA DISC.							506.4		000	egi men menganaran ganaran menganaran bagai nama mentahan diban dibih mentahan mentahan mendahan mentahan dibensah	11
		00 TRINITY SPRINGS	0.0										
		04 OSPREY	0.0										111
101	propriet and the first first the first continue and the first short for a survey or a section from the first continue to the first c	24 WILDERNESS RANCH	0.0	representation to the second section of the second	···· pour agregation de la company de la com		and the second second section in the second	0.0	ontrinogrammini i incinciani i i	aries a consistence of a property	original expression and a construction of the	Barangan dan kananan dan menganan dan mengan mengan dan dan dan dan dan dan dan dan dan d	
161		50 LUCKY PEAK NURSER						0.0			190.0		
14		90 F&G INSTREAM	0.0					0.0			46869.1		
151	and the settlement of the comment of	91 USBR INSTREAM	0.0					0.0	and a contract of the contract of the contract of		100835.6	managa di Mada a a amataga Milada a matanga ay tata a a tata ang ng taon di dilikat ang agasta di taman da	
131		00 NEW YORK	0.0						130913.3				
201		27 SURPRIS VY/MICRON											
21	reference/probablication/fill-fill-fill-representations and formula and manufactured by	60 RIDENBAUGH	0.0	a parameter production of the property of the	real super (popular) politica reason pur a communitari	, kaja tajama immana projej je tamba a se corpor je je je j	The proceed from the comprehensive the relative to the contract of the relative to the contract of the contrac	0.0	estratigis diperaturqui e riteraturite escriptura un cumum e	ertedeth steer, , in eine in indication of ince	5067.1	and hay to the transmission and the state of	Same Same
22		05 BUBB	0.0					0.0			-		
23		60 ROSSI MILL	0.0					0.0					14
241	ang 1800 dag menggalang kanalang dag pang penggalang ang kanalang dag dag pang beragai pang beragai penggalang	90 BOISE CITY	0.0	garanta a companya a sa sa garanta a			and the same of	0.0	s tanan amagaan marayan sa		emingrine and grown recommendation	alite karistan semengi kalamangan panen sika peremananan kemanan menangan dan dipengenda tagan di milandi	
25].		00 UNITED WATER	0.0		regular turkit ki, T. T. T.			0.0			560.0		1
26]		15 SETTLERS	0.0	the same of the same of the same							10935.0		11/2
24.	AND CONTROL OF THE PROPERTY OF	17 FAIRVIEW ACRES	0.0	V 8 CO 10 2 C - Bread & CO CO - CO CO CO - A CO	and the second in the second of the second			0.0	printed and the printed and the second and the seco	operations and the contract of	1500.0	nigopiyat kinotoo piraangangat an ta'aan aanaga in ta'aan aanaan hata ta'aan aanaa jiga gara'aa aan ta	risaa Pan
28		22 THURMAN MILL	0.0					0.0			800.0		12
29		40 FARMERS UNION	0.0					0.0			6765.6		12
30]		41 BOISE VALLEY	0.0					0.0				an gapatan gana a ang pata anama a anamay taon taon an ang pagata ata atawa at atawa at	[3]
21[]		43 CAPITOL VIEW	0.0					0.0					- 12
32 :		90 NEW DRY CREEK	0.0					0.0			3752.9		144
331.	132060	92 NEW UNION	0.0	0.0	0.0	CTITAL SANDEL STRANGE STRANGE STRANGE SANDERS	Service action of the problem of the fertile to the service and the service an	0.0	gggangerergesporterer i i i i i i i i i i i i i i i i i i	rytjerroom fi tilloogereen (store i en een mengee een	600.0	pasanga patawanan mining makasanan antan matah katan mammatan mit tanban ang persah ti Provinsi m	i
341		20 WARM SPRINGS	0.0					0.0			57.0		12
35		65 BALLENTYNE	0.0					0.0		-			13
38	132062	70 CONWAY-HAMMING	0.0	0.0	0.0	0.0	annigery report or only community of the confidence of	0.0	فالقومتين بتناور ويونا التناويت ويواد		27.1	and any company of the contract of the contrac	[3
<u> </u>	132062	92 MACE-CATLIN	0.0	0.0	0.0	0.0	0.0						. 4.2
38 -	132084	50 HART-DAVIS	0.0	0.0	0.0			0.0					13
39 E	132087	10 MIDDLETON	0.0	0.0	0.0	0.0	0.0	0.0	8296.0	withtented ortgo, in our coleres in	8500.0		ranana S
40]	132087	40 SEVEN SUCKERS	0.0	0.0	0.0	0.0	0.0	0.0			147.3		- 1
41	132094	80 PHYLLIS	0.0	0.0	0.0	0.0	0.0	0.0	31043.6	22688.7	53732.3		el.
42	132094	82 EUREKA #1	0.0	0.0	0.0	0.0	0.0	0.0	1094.5	705.5	1800.0		
43	132096	30 LITTLE PIONEER	0.0	0.0	0.0	0.0	0.0	0.0	1280.9	139.7	1420.6		14
44}:	132099	90 CANYON COUNTY	0.0	0.0	0.0	0.0	0.0	0.0	3100.9	899.1	4000.0		
45	132109	92 SEBREE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1146.0	1146.0		
36	999990	50 ANDERSON DAM POWE	R 0.0	0.0	0.0	0.0	0.0	0.0	5.9		6.0		
47	999990	80 ANDSN UNCONTRACTE	D 0.0	0.0	0.0	0.0	0.0	0.0	36583.8	372.2	36956.0		1.3
48													
48		OTAL	0.0	0.0	0.0	0.0	0.0	0.0	316143.3	382770.7	698914.0	the control of the co	4
50		시 시 그런 경기 소리를 받는데 불쾌 감											5
51										<u> </u>			51
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TABLE 4. 2013 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

6	milingensky greg en gewilled to exception on grande detailed for exception are metable received structure.	generaggie in g. g. en 1900 institution for 20 a magnit 6, for the extreme major spring the formation, and a majorite in give	naki mankika kipernakan meneri di banar meni	angani da Sahamada Di Sangangan and mbahada 1997 dangangan	or have get more and the continues of the filter and of the filter and the filter	the according to the second control of the s	- Northwest - Company and a section for the property	part of the state		a a communicaçõe de de carriera foi a diferencia a contra de foi a com	eniaren izko ebarka ne izaini
-71	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL	AFTER LOSS	
3]										40 1002202	
31	i det de Prillipio Indefenta de comprantible en Marken (producio de la grantima como como como como con el col	TRINITY SPRINGS	0.0	784.0	0.0	784.0	0.0	0.0	784.0		
14	13199804		0.0	0.0	295.6	295.6	0.0	0.0	295.6		
		WILDERNESS RANCH	0.0	0.0	197.1	197.1	0.0	0.0	197.1		
14	apagan PAN kan kangang katan kanangan at itah apparti banang mangang pigan baharangan galang at an agamangangan, ang	LUCKY PEAK NURSERY	188.4	0.0	0.0	188.4	0.0	0.0	188.4	an arm army and a sum of the contract of	
		F&G INSTREAM	0.0	0.0	46180.1	46180.1	0.0	0.0	46180.1		
14)		USBR INSTREAM	0.0	0.0	99353.2	99353.2	0.0	0.0	99353.2		
101		NEW YORK	239331.4	157951.3	0.0	397282.7	0.0	0.0	397282.7	erabanyo kerangai membanan ana arawa an arawa an arawa ani arawa ana ya	pridocerte at executities trayings
16)		SURPRIS VY/MICRON	0.0	2939.9	0.0	2939.9	0.0	0.0	2939.9		
17		RIDENBAUGH	3762.7	1247.6	0.0	5010.3	0.0	0.0	5010.3		
18.[13204005		0.0	520.4	0.0	520.4	0.0	0.0	520.4		
19		ROSSI MILL	0.0	0.0	295.6	295.6	0.0	0.0	295.6		
20]		BOISE CITY	0.0	0.0	689.7	689.7	0.0	0.0		684.9	
21		UNITED WATER	0.0	84.4	467.0	551.4	0.0	1500.0	2051.4		never ferriterire between en
22]		SETTLERS	2646.0	1731.6	6404.4	10782.0	0.0	0.0	10782.0	10706.6	
23]	13205517	FAIRVIEW ACRES	0.0	0.0	1477.9	1477.9	0.0	0.0	1477.9		
24	tages of the company and the company of the company	THURMAN MILL	0.0	0.0	788.2	788.2	0.0	0.0	788.2		
25]	13205640	FARMERS UNION	2756.1	471.9	3453.6	6681.6	0.0	0.0	6681.6		
26)	13205641	BOISE VALLEY	0.0	79.2	2463.2	2542.5	0.0	-1500.0	1042.5	1035.2	
27	13205643	CAPITOL VIEW	0.0	248.6	0.0	248.6	0.0	0.0	248.6	246.8	
28	13206090	NEW DRY CREEK	0.0	737.8	2955.9	3693.7	0.0	0.0	3693.7	3667.9	
29	13206092	NEW UNION	0.0	0.0	591.2	591.2	0.0	0.0	591.2	587.0	
30	13206220	WARM SPRINGS	0.0	0.0	56.2	56.2	0.0	0.0	56.2	55.8	
31	13206265	BALLENTYNE	0.0	31.0	1280.9	1311.9	0.0	0.0	1311.9	1302.7	
32	13206270	CONWAY-HAMMING	0.0	0.0	26.7	26.7	0.0	0.0	26.7	26.5	
33	13206292	MACE-CATLIN	0.0	0.0	570.6	570.6	0.0	0.0	570.6	566.6	
34	13208450	HART-DAVIS	0.0	0.0	167.2	167.2	0.0	0.0	167.2	166.0	
35	13208710	MIDDLETON	0.0	0.0	8375.0	8375.0	0.0	0.0	8375.0	8316.4	
38	13208740	SEVEN SUCKERS	0.0	0.0	145.1	145.1	0.0	0.0	145.1	144.1	
37	13209480	PHYLLIS	20158.4	17057.7	15764.8	52980.9	0.0	0.0	52980.9	52610.0	
381	13209482	EUREKA #1	0.0	0.0	1773.5	1773.5	0.0	0.0	1773.5	1761.1	
391	13209630	LITTLE PIONEER	0.0	1392.2	0.0	1392.2	0.0	0.0	1392.2	1382.4	
401		CANYON COUNTY	0.0	0.0	3941.2	3941.2	0.0	0.0	3941.2	3913.6	Indialidatificana estado mino
11	13210992		1136.6	0.0	0.0	1136.6	0.0	0.0	1136.6	1128.6	
171		ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9	
13	processors of the traper of the contract of the party traper to the contract of the contract of the contract of	ANDSN UNCONTRACTED	0.0	rangegramming a range and armining according to the	0.0	36215.8	0.0	0.0	36215.8	36215.8	
H				A Howale mak							
15]	ti anno agrico de la comunicación de la contrata d	TOTAL	269979.6	221499.1	197714.1	689192.8	0.0	0.0	689192.8	685640.9	.a.,imprissotracywisi
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(email sent 5/21/2013 8:11 AM) to Liz Cresto and David Hoekema

Liz,

Yesterday UWI was able to lease 2000 af from the following space holders. Canyon County Water Company (Canyon County Ditch) 1000 af Middleton Irrigation Assoc. 500 af Middleton Mill Ditch Company 500 af. Both Middleton's are thru the Middleton Canal.

This is all from Lucky Peak.

Thanks,

Rex R. Barrie Boise River Watermaster 41,11

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Date:Accounting Begin Date:Accounting End Date:
Check List:
Dowload USBR Data
Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data V
Load NAL
Post Report To Websites (including ALC and HST) Update Fish Flows
Notes:
13185000 1/8-129 13186000 1/19-11/27, 1/12-1/24 Used hydromet 13 20000 12/19-2/18 13213000 1/18-1/23
-Added USBR Ash (160 cbs) 11/1 - 3/15 + F+G Ash (80 cbs) 11/1 - 3/15
- Thurman Drain interpolated data 11/1 - 12/31 Octo- It probably wasn't
accounting his time of year. - Drainage District #3 - Same as thurman drain - added 0 do
n/1 - 12/31

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                                                                                                          !v1.4PC
      C
               THE OLD ONE IS THE FOLLOWING.
DATA RST/260624.,11600.,413770.4,220366.0,36259.6,44004.0/
     Data RST/260264., 11600., 449530., 213366., 500., 51004., 0.0/
                WEIMIN LI 6/20/2006
                                      - Little Pioneer 500
        Welly Peak LTF
- USBR 38,339
 - Euveka 1,000
                 3,500
 - JeHlers
                  2,000
- Canyon County
                    600
- Eagle 151d
                    300
New Union
                    400
- Rossi
                    500
- Little Planeer
                   2500
- Middleton
- Farners Union 1865
                                                500 AF
                   51,004 AF
```

Total Content 986624

Total

Untitled

120 FORMAT(24X,47HCONTENT USED STORED STORED,

1 15X,25HTOTAL EARLY SEASON FILL -,8X,F12.1)

WRITE(OUT,121) GT(1),TT(9),(GT(L),L=2,4),ISTP(ISTEW),IBRP(IBRYAN)

121 FORMAT(/21H YEAR-TO-DATE AF ,5F10.1,15X,16HSTEWART DECREE -,

1 14,1H%,5X,14HBRYAN DECREE -,14,1H%)

C ADDING THE DEAD STORAGE

TT(12)=TT(12)+39960 36,974

C ADDING THE DEAD STORAGE

Date: 2/28/2013 Accounting Begin Date: February 10 Nov 1 1st Accounting End Date: February 27
Check List:
Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes) (Alex checked that last value was
Download Water Master Data still the same, as during the provious run
Download USGS Data (NW15 = USGS)
Load NAL /
Post Report To Websites (including ALC and HST)
Update Fish Flows
13200000 USGS missing 2/1-2/19 - used hydromet interpolated 2/4 + 2/5 missing hydromet - interpolated
Date: 3/21/2013
Accounting End Date: 3/#//2013
Accounting End Date: 3/80/2013
Check List:
Dowload USBR Data /
Review USBR for Missing Data 🗸
Get ID Power Data and Enter on Website (check for shift changes) \(\langle \) (need to check for shift)
Download Water Master Data
Download USGS Data
Load NAL , /
Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes:

David Hockema

Accounting Begin Date: Accounting End Date: 3/31/2013

Check List:

Dowload USBR Data

Review USBR for Missing Data of
Get ID Power Data and Enter on Website (check for shift changes) / no shift change
Download Water Master Data /
Download USGS Data of
Load NAL ./
Post Report To Websites (including ALC and HST) Liz completed this pertian
Update Fish Flows n/a
Notes:
Date: 4/18/2013 David Hockema
Accounting End Date: 4/19/2013
Accounting Begin Date: 4/1/2013 Accounting End Date: 4/8/2013 4/8/2013 Accounting End Date: 4/8/2013 (See next page)
Check List:
Party HIOPP Party
Review USBR for Missing Data / " / " "
Download Water Master Data / " (nissing some data)
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes:
All input data is labelled with a 4.
THE TAPAL CLARA IS THE COLOR OF

Date: 4/11/2013
Accounting Begin Date: 1/11/2012
Accounting End Date: 4/08/2012

Check List:								
Dowload USBR Data 🗸								
Review USBR for Missing Data								
Get ID Power Data and Enter on Website (check for shift changes) / (no shift changes)								
Download Water Master Data								
Download USGS Data fredo (reloaded + ran all USGS data)								
Load NAL								
Post Report To Websites (including ALC and HST)								
Update Fish Flows / (zeroed out fish flows from 4/1-4/8								
Notes:								
Rex updated some & missing diversions, I updated missing New York Canal Data								
Date: 4/17/2012								
Accounting Regin Date: 4 /02/2013 DJH								
Date: 4/17/2013 Accounting Begin Date: 4/07/2013 Accounting End Date: 4/18/2013								
Accounting Begin Date: 4/01/2013 3/25/2013								
Accounting Begin Date: 4/07/2013 Accounting End Date: 4/2013								
Accounting Begin Date: 4/01/2013 Accounting End Date: 4/14/2013 Check List:								
Accounting Begin Date: 4/07/2013 Accounting End Date: 4/2013 15 Check List: Dowload USBR Data								
Accounting Begin Date: 4/01/2013 Accounting End Date: 4/2013 Check List: Dowload USBR Data Review USBR for Missing Data Review USBR for Missing Data								
Accounting Begin Date: 4/07/2013 Accounting End Date: 4/2013 Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal								
Accounting Begin Date: 4/07/2013 Accounting End Date: 4/07/2013 Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Download Water Master Data Download USGS Data Load NAL Load NAL								
Accounting Begin Date: 4/07/2013 Accounting End Date: 4/12/2013 IS Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal Download Water Master Data Download USGS Data								
Accounting Begin Date: 4/01/2013 3/25/2013 Accounting End Date: 4/12/2013 Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and HST) Need to talk to Tuttle Update Fish Flows USBR (ish flow 0 F46 (0)								
Accounting Begin Date: 4/01/2013 3/25/2013 Accounting End Date: 4/12/2013 Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and HST) Need to talk to Tuttle Update Fish Flows USBR (ish flow 0 F46 (0)								
Accounting Begin Date: 4/64/2013 Accounting End Date: 4/86/2013 Check List: Dowload USBR Data / Review USBR for Missing Data / Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal Download Water Master Data / Download USGS Data / Load NAL / Post Report To Websites (including ALC and HST) (Need to talk to Tuttle) Update Fish Flows USBR (ish flow 0 FtG (0) Notes: Appears to be a shift change on the New York Canal. Emailed Carl @ Idaho Power								
Accounting Begin Date: 4/01/2013 3/25/2013 Accounting End Date: 4/12/2013 15 Check List: Dowload USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website (check for shift changes) Middleton + New York Canal Download Water Master Data Download USGS Data Load NAL Post Report To Websites (including ALC and HST) (Need to talk to Tuttle) Update Fish Flows USBR (ish flow 0 F+6 (0)								

Date: $\frac{4/19/2013}{4/86/2013}$ Accounting End Date: $\frac{4/19/2013}{4/86/2013}$

Check List:
Dowload USBR Data
Review USBR for Missing Data 🗸
Get ID Power Data and Enter on Website (check for shift changes) Million, New York, USBR, Folk
Download Water Master Data ./
Download USGS Data /
Load NAL / Publish ALC HST
Post Report To Websites (including ALC and HST)
Update Fish Flows / (o) WBR (0) F+6
Notes: Neeves & United Water & Micron & W.R. & K. Albertson (missing)
Date: 4/23/13 Accounting Begin Date: 4/18/13 Accounting End Date: 4/22/13
Check List: Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows NK
Notes: USGS: 13190500 4/3/13 missing, used USBR data (SF Anderson Rangh)

Check List:
Dowload USBR Data /
Review USBR for Missing Data Out ISBR 15 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Get ID Power Data and Enter on Website (check for shift changes) NY Middle USBR Fr G
Download Water Master Data $\sqrt{}$
Download USGS Data /
Load NAL 🗸
Post Report To Websites (including ALC and HST) ALC / HST / WRA pdf
Update Fish Flows / 0
Notes: missing data: Wilderness Ranch, Shakespeare, Herrich, Suprise/Nicron, United Water
Date: 1-11-12013 Run # 9
Accounting Begin Date: $ \sqrt{-\ -10\ ^2} $
Accounting End Date:5/6/2013_
Check List: Dowload USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website (check for shift changes)
Download Water Master Data 🗸
Download USGS Data
Load NAL /
Post Report To Websites (including ALC and HST)
Update Fish Flows $\sqrt{\delta_{i} 0}$
Notes:
Bom1 Shifto 3/22/13. NyC Zero 4/29 - 4/30. Code changed so that Pieneer Dixie is taken out of accounting. Since Pieneer Dixie diverts from Riverside & Pieneer Dixie RTS are combined.

Date:

Accounting End Date: 4/19/2013

Accounting Begin Date:

From: Rex Barrie [waterdistrict63@qwestoffice.net]

Tuesday, May 21, 2013 8:11 AM

Cresto, Liz; Hoekema, David

Subject: United Water

Liz,

Yesterday UWI was able to lease 2000 af from the following space holders. Canyon County Water Company (Canyon County Ditch) 1000 af Middleton Irrigation Assoc. 500 af Middleton Mill Ditch Company 500 af. Both Middleton's are thru the Middleton Canal.

This is all from Lucky Peak.

Thanks,

Rex R. Barrie Boise River Watermaster

5/13/2013 **Check List:** Download USBR Data 🗸 Review USBR for Missing Data 🗸 Get ID Power Data and Enter on Website New York Canal Middleton (check for shift change) / Download Watermaster Data 🗸 Download USGS Data Load NAL ./ Post Report To Websites (including ALC and HST) / Update Fish Flows () () Errors were found in the way the data is transferred from water master records into Notes: the database. This error impact New Dry Creek + New Union Date: 5/21/2013 Run#11 5/01/2013 4/15/2013 **Accounting Begin Date:** David H Accounting End Date: 5/20/2013 Check List: Download USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website / New York Canal \square Middleton (check for shift change) 🗸 Download Watermaster Data 🗸 Download USGS Data 🗸 Load NAL ./ Post Report To Websites (including ALC and HST) ALC / Update Fish Flows May 20 AND 289,717.3 DS AND 31,488,5 ac-ft Notes: May 13 AND 258,228.8 6,619.6 ac-ft Luc 205, 158.7 LUC 211,778,3 The model was run from 4/15 to correct database errors.

Date: 5/14/2013

Accounting Begin Date:
Accounting End Date:

Accounting Begin Date: 5/18/13	
Accounting End Date: S/20/13	
Check List:	
Download USBR Data	
Review USBR for Missing Data	
Get ID Power Data and Enter on Website	
New York Canal	
Middleton (check for shift change)	
Download Watermaster Data χ	
Download USGS Data X	
Load NAL	
Post Report To Websites (including AL and HST)	
Update Fish Flows	
Notes: Bomi Shift to 5/19/13	
Date: 5/28/2013	Rm #13
Accounting Begin Date: 5/01/2013	hum # 13
Accounting End Date: 5/27/2013	
Check List:	
Download USBR Data ✓	
Review USBR for Missing Data 🗸	
Get ID Power Data and Enter on Website	
New York Canal /	
Middleton (check for shift change) / updated from 5/1/2013	
Download Watermaster Data	
Download USGS Data 🗸	
Load NAL V	
Post Report To Websites (including ALC and HST)	
Update Fish Flows N/Λ	
Notes: Middleton flows updated from 5/01. The Middleton shift was applied back to	5/1

Accounting End Date: 6-92-2013 **Check List:** Download USBR Data 🗸 Review USBR for Missing Data 🗸 Get ID Power Data and Enter on Website New York Canal ,/ Middleton (check for shift change) Download USGS Data J Load NAL Post Report To Websites (including ALC and HST) Update Fish Flows Shift changed appeared to be corrected to mid-week Notes: deheck shift change tomorrow shift change occurred Date: 6/4/2013 Accounting Begin Date: 11-01-2013 Accounting End Date: 6-02-2013 **Check List:** Download USBR Data Review USBR for Missing Data 🗸 Get ID Power Data and Enter on Website New York Canal \square Middleton (check for shift change) \square Download Watermaster Data ./ Download USGS Data Load NAL Post Report To Websites (including ALC and HST) \(\structure{1} \) I Hold off on post until Liz reviews Update Fish Flows Notes: Reviewed Hydromet + USGS data 11-01-2013 (BUICANII-1-2012, IND) (BUISYS 4-01-2013. [BUISYS II-01-12. IND] Two runs 14-01-2013 [BOICAN_5-30-2013.IND] [BOISYS_4-01-2013.IND] 3-31-2013 6-02-2013

Date: 6/3/2013

Accounting Begin Date: 5-15-2013

Hoekema, David

From:

Cresto, Liz

Sent:

Tuesday, June 04, 2013 8:31 AM

To: Subject: Hoekema, David Boise Restart

David,

I put some more thought into the Boise restart and how it should be done. The restart should occur on April 1 (not Nov 1 as I said yesterday). United Water's allocation will be last year's unused rental pool (336.4 AF) plus their 2013 allocation (4696.6 AF) less their storage use on March 31 (1983 AF). That equates to an allocation of 3050 AF and that's what should go into the CAN.IND. Surprise Valley/Micron also used storage water over the winter. Their allocation on April 1 is the 2013 allocation (2933.8 AF) less the use (433 AF) for a total of 2500.8 AF.

The SYS.IND will have to be reset to match the paper fill volumes on March 31.

The Boise Parks rented 40A from Capitol View. I'd split the that up between Williams, K Albertson, and Ann Morrison. We can make adjustments to the exact distribution of the 40 AF later in the year if need be.

Liz

Liz Cresto
Technical Hydrologist
Idaho Department of Water Resources
208-287-4833
<u>liz.cresto@idwr.idaho.gov</u>

29.8 K Albertsons 2012 8
129.1 Williams Pork 2012 32
O Ann Morrison 2012 0
(2013)

Capital View \

From:

Rex Barrie [waterdistrict63@qwestoffice.net]

^ent:

Wednesday, June 05, 2013 6:50 AM

:

Cresto, Liz

ູດ: Subject: Tim Page; Bob Carter Transfer of Water

Liz,

Yesterday, 06/04/2013 Canyon County Water Company officially transferred 1000 acre feet to the New York Canal for Kelly and Vicky Kramer.

Tim is aware of this and will adjust on his end.

Can you please credit Boise Project (New York Canal) with 1000 AF.

Rex R. Barrie

Boise River Watermaster

From:

Rex Barrie [waterdistrict63@gwestoffice.net]

ົ•nt:

Wednesday, June 05, 2013 7:06 AM

: Jubject: Cresto, Liz Rental pool

Liz,

Here is my breakdown for the 2013 Rental Pool so far.

United Water has leased:

1500 af from Boise Valley Irrigation Ditch Co.

1000 af from Canyon County Water Co. (Canyon County Ditch)

1000 af from Middleton Canal, (1/2 from Middleton Mill and 1/2 from Middleton Irrigation)

Capital View has placed all of their water in the pool again. (depending on how much they get) and the following have Parks and Rec. 40 af Shoper Captol View Allocation 325.2

Mining 37 af
Miss. User's 138 af water Burn To Rental Pool - 239

46.2

Canyon County Landfill 28 af. (this is diverted at the New York Canal so they should get another 28 af credit.) (243 af total)

I have others who will lease if water comes available. I will let you know if and when!

ر: !! me if this is not clear as mud:

Rex R. Barrie

Boise River Watermaster

Rex Barrie [waterdistrict63@qwestoffice.net] Wednesday, June 05, 2013 7:26 AM From:

Sent:

Cresto, Liz Rental Pool Jubject:

Liz,

I forgot to add Riverside Village. They leased 36 af from Capital View.

This should be 279 af from CVID. I see they have 325.7 so I will not lease anymore from them unless they fill to cover any loss at the end of the season.

Rex R. Barrie Boise River Watermaster

Date: 6/0/13 Accounting Begin Date: 5/1/2013 Accounting End Date: 6/2/2013 **Check List:** Download USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website X New York Canal Middleton (check for shift change) Download Watermaster Data Download USGS Data X Load NAL Post Report To Websites (including ALC and HST) Update Fish Flows Bomi - Shift to 5/1/13 - this Change the Storage rights Revan the Storage report to update transfers. Also increased evaporation estimates. Decided on 15,000AF as a good estimate. # 18 Accounting Begin Date: 4/01/2013 Accounting End Date: 6/10/2013 **Check List:** Download USBR Data ✓ Review USBR for Missing Data 🗸 Get ID Power Data and Enter on Website New York Canal / Middleton (check for shift change) Download Watermaster Data

Notes:

Download USGS Data

Update Fish Flows

Post Report To Websites (including ALC and HST)

Load NAL

4/28/2013 Corrected flows in Mores Creek back to April 28th by redownloading all USGS Notes: to that point. Appears a shift was applied

Placed sheets 6/1-6/10 online

From: Rex Barrie [mailto:waterdistrict63@gwestoffice.net]

Sent: Wednesday, June 12, 2013 10:24 AM

To: Cresto, Liz

Subject: RE: Rental Pool

I will give the best break down I can.

Little Pioneer assigned 1000 af to the pool. ✓ Capital View 320 af. New Union 200 af.

From Little Pioneer, 1000 to Boise Project.

From New Union, 50 to Boise Project,, 36 to Riverside Village, 40 to Boise Parks and Rec., & 74 miss.

Users. (mining and etc.) total 200 af.

From Capital View, 124 for miss. users. (Thomas Aiken will be in tomorrow to lease 100 af from Capital

View. I will let you know when it is official))

Canyon County Ditch, 1000 af to Boise Project. ✓

Canyon County Ditch, 1000 af to United Water. ✓ Middleton, 1000 af to United Water. 🗸 Boise Valley, 1500 to United Water. ✓

That should be the current activity to date.

Rex R. Barrie Boise River Watermaster Little Pioneer - 2000 Capital View - 444 New Union - 400



State of Idaho DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098 Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

GARY SPACKMAN Director C.L. "BUTCH" OTTER Governor

June 13, 2013

IDAHO POWER PO BOX 70 BOISE ID 83707

RE:

RENTAL OF WATER FROM THE WATER SUPPLY BANK

WATER RIGHT NO. 63-179C

Dear Renter:

Please find enclosed a receipt in the amount of \$ 33,000.00 and a copy of a fully executed Water Supply Bank Rental Agreement in connection with the rental of 2500.0 acre-feet of water for power use during year 2013. Upon receipt of this fully executed agreement, you are authorized to divert water in compliance with the conditions of water use described in the agreement.

Pursuant to the Water Supply Bank Rules, 90% or \$29,700.00 of the rental fee will be paid to the lessor and 10% or \$3,300.00 will be retained by the Department for administrative costs.

If you have any questions, please feel free to contact me at (208) 287-4949.

Sincerely,

Nicholas Van Dyke

Sr. Water Resource Agent

Dicholas Van Bek

Enclosure(s):

Receipt No. C097297

Rental Agreement (copy)

c: Sascha Marston – Fiscal
John Westra – IDWR Western Regional Office
Rex Barrie – Watermaster, State Water District No. 63

Martin Galvin – Mason Creek Ditch Co. Liz Cresto – IDWR State Office

STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

WATER SUPPLY BANK RENTAL AGREEMENT

RECEIVED

This is to certify that:

IDAHO POWER PO BOX 70 BOISE ID 83707 (208) 388-2905

JUN 1 2 2013

DEPT OF WATER RESOURCES

filed an application to rent water from the Water Supply Bank ("Bank"). The Idaho Water Resource Board ("Board") being authorized to operate a Bank and to contract by and through the Director of the Idaho Department of Water Resources ("Director, Department") for rental of water from the Bank agrees to rent water as follows:

Summary of Water Rights or Portions Rented from the Bank

Water <u>Right</u> 63-179C Rented Rate 8.40 CFS Annual Rented
Volume
2500.0 AF

Total Rented Acres NA

COMBINED

RENTAL TOTALS:

8.40 CFS

2500.0 AF

NΑ

TERM OF RENTAL:

June 7, 2013, to October 31, 2013

RENTAL FEE:

\$33,000.00

The fee for rental of the above-described water is \$33,000.00 \$3,300.00 will go to the Department for administrative costs and the remainder will be paid to the lessor. An annual payment shall be received by the Department prior to April 1, the beginning of the irrigation season, each year for the duration of the rental period. The agreement will be void if payment is not received prior to the due date in a given year. To terminate the agreement prior to the end of the rental period, written notice must be received by the Department at least 30 days prior to the rental fee due date.

Detailed water right specific limitations and conditions attached.

The undersigned renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described in this agreement:

Dated this

day of

00 /3

00ma

C. Bowlin

(Signature)

ENGINEERING

Ceader

(Title if on behalf of company or organization)

Having determined that this agreement satisfies the provisions of Idaho Code § 42-1763 and IDAPA 37.02.03.030 (Water Supply Bank Rule 30), for the rental and use of water under the terms and conditions herein provided, and none other, I hereby execute this Rental Agreement on behalf of the Idaho Water Resource Board this /3¹⁴day of 2013.

BRIAN PATTON, Acting Admin strator Idaho Water Resource Board

WATER RIGHT NO. 63-179C WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

IDAHO POWER

PO BOX 70

BOISE ID 83707 (208) 388-2905

Priority Date: 06/01/1869

Source:

BOISE RIVER

Tributary to: SNAKE RIVER

BENEFICIAL USE

From То **Diversion Rate**

Volume

POWER

06/07 to 10/31

8.40 CFS

2500.0 AF

Total:

8.40 CFS

Rge 5W

2500.0 AF

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

SNAKE RIVER SE¼SE¼ Gov Lt.3

Sec. 2

Twp 17N

WASHINGTON County

RENTER'S PLACE OF USE: POWER

Twp	Rge	Sec		N	E		NW			www sw					SE				
			NE	NW	SW	SE	NE	NW	sw	SE	NE	NW	SW	SE	NE	NW	sw	SE	Totals
17N	05W	2																Х	
																		L3	

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. The water rented under this agreement is appurtenant to irrigation of 580 acres.
- 3. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in any other department application process.
- 4. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 5. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.

WATER RIGHT NO. 63-179C WATER SUPPLY BANK RENTAL AGREEMENT

CONDITIONS OF WATER USE

- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. Use of water under this agreement will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 63.



State of Idaho DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098 Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

GARY SPACKMAN Director

C.L. "BUTCH" OTTER Governor

June 10, 2013

IDAHO POWER PO BOX 70 BOISE ID 83707

RE:

APPLICATION TO RENT WATER FROM THE WATER SUPPLY BANK WATER RIGHT NO. 63-179C

Dear Renter:

The Department of Water Resources acknowledges receipt of your application to rent water from the Water Supply Bank. I have enclosed a Water Supply Bank Rental Agreement for your review and signature. Upon signature and return of the original agreement the Department will also sign the original agreement and return an executed copy to you. Execution of the agreement and compliance with the conditions of approval authorize diversion and use of water as provided in the agreement.

A rental fee of \$33,000.00 was calculated based on the negotiated rental rate \$13.20 per acre-foot times a diversion volume of 2500.0 acre-feet. An annual payment was received by the Department prior to the execution of this agreement. If you would like to terminate the agreement prior to the end of the rental period, you must submit written notice of your intent to the Department at least 30 days prior to the rental fee due date.

Pursuant to the Water Supply Bank Rules, 90% or \$29,700.00 of the rental fee will be paid to the lessor and 10% or \$3,300.00 will be retained by the Department to offset administrative costs. If you have any questions, please contact me at (208) 287-4949.

Sincerely,

Nicholas Van Dyke

Sr. Water Resource Agent

Enclosure(s)

Receipt Number: C097297

c: IDWR Front Desk

John Westra – IDWR Western Regional Office Rex Barrie – Watermaster, Water District No. 63

Liz Cresto - IDWR State Office

Naholes Van Ayl

STATE OF IDAHO **DEPARTMENT OF WATER RESOURCES**

WATER SUPPLY BANK RENTAL AGREEMENT

This is to certify that:

IDAHO POWER PO BOX 70 **BOISE ID 83707** (208) 388-2905

filed an application t ("Board") being auth Department of Wate water as follows:	orized to operat	e a Bank and to	contract by and	I through the Dire	ctor of the Idaho				
	Summary of W	ater Rights or	Portions Rente	ed from the Bank	<u>-</u>				
	Water <u>Right</u> 63-179C	Rented <u>Rate</u> 8.40 CFS	Annual Rented <u>Volume</u> 2500.0 AF	Total Rented <u>Acres</u> NA					
COMBINED RENTAL TOTALS:		8.40 CFS	2500.0 AF	NA					
TERM OF RENTAL	:	June 7, 2013, to October 31, 2013							
RENTAL FEE:		\$33,000.00							
The fee for rental of administrative costs the Department prio rental period. The a To terminate the agr Department at least	and the remaind r to April 1, the b greement will be reement prior to 30 days prior to	der will be paid to be ginning of the evoid if paymen the end of the retal fee d	o the lessor. Ar irrigation seaso t is not received ental period, wri- ue date.	n annual payment n, each year for th I prior to the due o	shall be received be ne duration of the date in a given year.				
The undersigned rer Water Supply Bank agreement:	nter agrees to us	se the water ren	ted under this a	~	rdance with the				
Date	ed this	day of _			, 20				
Ву:	(Print Name)								
	(Print Name)		(Si	gnature)					
				tle if on behalf of com	cany or organization)				
Having determined t 37.02.03.030 (Water conditions herein pro	hat this agreem r Supply Bank R ovided, and non	ent satisfies the ule 30), for the I e other, I hereby	provisions of Id rental and use o rexecute this R	f water under the ental Agreement	terms and				

BRIAN PATTON, Acting Administrator Idaho Water Resource Board

WATER RIGHT NO. 63-179C WATER SUPPLY BANK RENTAL AGREEMENT

The renter agrees to use the water rented under this agreement in accordance with the Water Supply Bank rules and in compliance with the limitations and conditions of use described below:

Renter:

IDAHO POWER

PO BOX 70 **BOISE ID 83707** (208) 388-2905

Priority Date: 06/01/1869

Source:

BOISE RIVER

Tributary to: SNAKE RIVER

BENEFICIAL USE

From То **Diversion Rate**

Volume

POWER

06/07 to 10/31

8.40 CFS

2500.0 AF

Total:

8.40 CFS

2500.0 AF

LOCATION OF RENTER'S POINT(S) OF DIVERSION:

SNAKE RIVER SE¼SE¼ Gov Lt.3

Sec. 2

Twp 17N Rge 5W

WASHINGTON County

RENTER'S PLACE OF USE: POWER

Twp	Rge	Sec	NE				N	w			S	w			s	E			
			NE	NW	sw	SE	Totals												
17N	05W	2																Х	
																		L3	

CONDITIONS OF WATER USE

- 1. The use of water under this agreement shall be subject to the provisions of Idaho Code § 42-1766.
- 2. The water rented under this agreement is appurtenant to irrigation of 580 acres.
- 3. Rental of the specified right from the bank does not, in itself, confirm the validity of the right or any elements of the water right, or improve the status of the right including the notion of resumption of use. It does not preclude the opportunity for review of the validity of this water right in any other department application process.
- 4. Use of water under this agreement does not constitute a dedication of the water to renter's place of use and upon expiration of this agreement, the points of diversion and place of use of the water shall revert to those authorized under the water right and/or again be available to rent from the bank.
- 5. This rental does not grant any right-of-way or easement to use the diversion works or conveyance works of another party.
- 6. Use of water under this agreement shall not prejudice any action of the Department in its consideration of an application for transfer or permit filed by the applicant for this same use.
- 7. Renter agrees to comply with all applicable state and federal laws while using water under this agreement.
- 8. Renter agrees to hold the Board, the Director and the state of Idaho harmless from all liability on account of negligent acts of the renter while using water.

WATER RIGHT NO. 63-179C WATER SUPPLY BANK RENTAL AGREEMENT

CONDITIONS OF WATER USE

- 9. Renter acknowledges and agrees that the Director may terminate diversion of water if the Director determines there is not a sufficient water supply for the priority of the right or portion thereof being rented.
- 10. Failure of the renter to comply with the conditions of this agreement is cause for the Director to rescind approval of the rental agreement.
- 11. Use of water under this agreement will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 63.

Date: 6/17/2013
Accounting Begin Date: 4/01/2013
Accounting End Date: 6/14/2013

Check List:
Download USBR Data 🗸
Review USBR for Missing Data /
Get ID Power Data and Enter on Website
New York Canal (Shift change back to 5/06)
Middleton (check for shift change)
Download Watermaster Data /
Download USGS Data /
Load NAL
Post Report To Websites (including ALC and HST) 🗸 🗸
Update Fish Flows
Notes:
Date: <u>6/20/13</u>
Accounting Begin Date: 6/14/13
Accounting End Date: 6/19/13
Check List:
Download USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website
New York Canal
Middleton (check for shift change)
Download Watermaster Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HS/T)
Update Fish Flows

Notes:

A measurement was made today at Boise River Middleton. Aquatic vegetation at this location continues to grow.

6/20/2013 13:00 MDT Q = 247 cfs Stage = 0.69ft Shift = -0.19ft

The previous shift found on 6/3/2013 was -0.05 ft

Please update the Hydromet with this information.

Thank you,

Carl

Carl Rundberg
HYDROLOGIST
Idaho Power | Water and Resources Planning

Work 208.388.5935 Mobile 208.921.4372

Email crundberg@idahopower.com

Date: 6/15 Accounting Begin Date: 4/01 Accounting End Date: 6/24	
Check List:	
Download USBR Data	
Review USBR for Missing Data /	
Get ID Power Data and Enter on Website	· · · · · · · · · · · · · · · · · · ·
New York Canal /	——————————————————————————————————————
Middleton (check for shift change) Adjust by shift change 6/04	
Download Watermaster Data	
Download USGS Data	
Load NAL √	
Post Report To Websites (including ALC and HST) // Load WRA RPT	
Update Fish Flows	
Date: - 7 /2 /2 1/2	
Date: <u>7/2/2013</u> Accounting Begin Date:	#22
Accounting Begin Date:	
Accounting the bate.	
Check List:	
Download USBR Data /	
Review USBR for Missing Data /	
Get ID Power Data and Enter on Website	
New York Canal 1/	
Middleton (check for shift change) /	
Download Watermaster Data √	
Download USGS Data V	
Load NAL /	
Post Report To Websites (including ALC and HST)	
Update Fish Flows	

Notes:

From:

Rex Barrie [waterdistrict63@qwestoffice.net] Wednesday, July 10, 2013 10:23 AM Hoekema, David

Sent:

To: Subject:

Thomas Aiken,

David,

FYI Thomas Aiken leased 100 af from the pool. The WRA show them with -49 can you adjust this next time around?

I will try and get you an updated Rental Pool list this week.

Rex R. Barrie Boise River Watermaster

Date: 7/69/13
Accounting Begin Date: 6/16/2013
Accounting End Date: 7/08/2013
The state of the s
Check List:
Download USBR Data ./
Review USBR for Missing Data 🗸
Get ID Power Data and Enter on Website
New York Canal 🗸
Middleton (check for shift change) / (no shift)
Download Watermaster Data
Download USGS Data /
Load NAL 🗸
Post Report To Websites (including ALC and HST) //
Update Fish Flows
Notes: Bruce is still trying to correct the Boise Valley + Capital View austorage was was calcs. Those numbers are incorrect.
Those numbers are incorrect.
The WRA was rerun on 7/10 starting at 4/1 and resetting reservoirs. This fixed the problem of not loading BV+CV reservoir content accounts.
in I the problem of not loading BV & CV reservoir contents accounts.
tiked 1. The state of the state
Date: 3/69/13 7/15/13
Accounting Begin Date: 4/1/2013 # 24
Accounting End Date: 7/14/293
Check List:
Download USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website
New York Canal
Middleton (check for shift change)
Download Watermaster Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows / Y
Notes: 0000 01-1+ 10/12/13
Notes: Ny C shift to 6/12/13 Transferred 10,000 AF from NyC to Redembraugh

From:

Cresto, Liz

Sent:

Thursday, July 25, 2013 8:25 AM

To: Subject: Hoekema, David

FW: 2nd Water transfer

FYI-

From: Rex Barrie [mailto:waterdistrict63@gwestoffice.net]

Sent: Wednesday, July 24, 2013 7:19 AM

To: Cresto, Liz

Subject: FW: 2nd Water transfer

Liz,

Here is another one.

Rex R. Barrie

Boise River Watermaster

From: Greg Curtis [mailto:gcurtis@nmid.org] **Sent:** Wednesday, July 24, 2013 7:06 AM **To:** Rex Barrie; tpage@boiseproject.org

Cc: Andy Madsen

Subject: 2nd Water transfer

Please execute a paper transfer of 10,000 acre feet from the Boise Project account for NMID to the head of the Ridenbaugh Canal. I have sent a fax over to the Boise Project office requesting this change also. Thanks, Greg

From:

Rex Barrie [waterdistrict63@qwestoffice.net]

Sent:

Wednesday, July 17, 2013 1:46 PM

To:

Cresto, Liz; Hoekema, David

Subject:

Rental Pool

Follow Up Flag: Flag Status:

Follow up Flagged

O.K. Here is how I want to break down the Rental Pool activity.

Assigned To	AF	Leased From	AF
Boise Valley Ditch Canyon County Middleton Mill Middleton Irr.	1500 1000 500 500	United Water United Water United Water United Water	1500 1000 500 500
Canyon County	1000	New York Canal	1000
Little Pioneer	1000	Farmers Union Boise Schools New York Canal	400 100 500
New Union	200	Thomas Aiken Boise Parks Riverside Village Miss.	100 40 36 24
Thurman Mill	100	Mining New York Canal Miss.	37 42 21
Capital View	320	New York Canal	318
Total	6120		6118

If this does not add up give me a call.

Rex R. Barrie

Boise River Watermaster

We are going to wait on Eagle Island to determine storage split.

Accounting End Date: 7/12/13
Check List:
Download USBR Data
Review USBR for Missing Data
Get ID Power Data and Enter on Website
New York Canal
Middleton (check for shift change)
Download Watermaster Data
Download USGS Data
Load NAL
Post Report To Websites (including ALC and HST)
Update Fish Flows NY
Notes: USGS missing Mores Creek 7/17-7/27 - used hydromet data but that looks low compared to prenon
Usas #5.
VSGS 185.
Date: 7/30/2013
Accounting Begin Date: 4/01/2013
Accounting End Date: 7/30/2013
Check List:
Download USBR Data 30 days /
Review USBR for Missing Data
Get ID Power Data and Enter on Website
New York Canal / shift was missed starting 7/08
Middleton (check for shift change)
Download Watermaster Data
Download USGS Data / 30 days (USGS data filled in 7/19-7/27)
Load NAL J
Post Report To Websites (including ALC and HST)
Update Fish Flows
Notes: Transfer 10,000 acre-feet from NY to Ridenburgh Completed Storage Report Light of Stora
Completed Storage Report
Completed Storage Report No 3,500 Nex corrected data on \$1 Settler's Committee Storage Report (1) 303.31 (1) 303.31 (1) 303.31 (1) 303.31 (1) 303.31
NS 18 76.7

Date: $\frac{7}{13}$ | 3 | Accounting Begin Date: $\frac{7}{14}$ | 13

From:

Rex Barrie [waterdistrict63@qwestoffice.net]

Sent: To: Friday, August 02, 2013 8:20 AM Cresto, Liz; Hoekema, David

Subject:

Rental Pool

Liz & David,

Thurman Mill has leased 50 af to the Two Rivers HOA. This is delivered thru the Thomas Aiken diversion.

Rex R. Barrie Boise River Watermaster

From: Sent:

Rex Barrie [waterdistrict63@qwestoffice.net] Wednesday, August 07, 2013 9:20 AM

To:

Subject:

Cresto, Liz; Hoekema, David FW: Water Transfer

Here it is!!!

Rex R. Barrie

Boise River Watermaster

From: Greg Curtis [mailto:gcurtis@nmid.org] Sent: Wednesday, August 07, 2013 7:43 AM To: Rex Barrie; tpage@boiseproject.org

Subject: Water Transfer

Please transfer 10,000 acre feet from the Boise Project account for NMID to the head of the Ridenbaugh Canal. I have also sent over a fax requesting this transfer to the Boise Project office. This is NMID's 3rd transfer of 10,000 acre feet. Thank You, Greg Curtis

Accounting Begin Date: Accounting End Date: $\chi/05/2013$ **Check List:** Download USBR Data 🗸 Review USBR for Missing Data Get ID Power Data and Enter on Website New York Canal Middleton (check for shift change) (no shift) Download Watermaster Data Download USGS Data 、 Load NAL \ Post Report To Websites (including ALC and HST) Update Fish Flows Notes: Update Storage report , CAN file for Two Rivers HOA Date: 8/12/2013 #28 Accounting Begin Date: 7/07/2013 (ran from 4/01/2013 Accounting End Date: 8/11/2013 **Check List:** Download USBR Data / (15 - days) Review USBR for Missing Data / apply shift @ Middleton and @ New York) Get ID Power Data and Enter on Website New York Canal / (back to 7/13) Middleton (check for shift change) Download Watermaster Data ./ Download USGS Data 13196500 8/8-9 SF Boise River at And Rouch

Notes: fransfer 10,000 acre-feet to Ridenburgh

Post Report To Websites (including ALC and HST)

Load NAL V

Update Fish Flows

Date:

From:

Campbell, Mike D [MCampbell3@idahopower.com]

Sent:

Wednesday, August 14, 2013 9:14 AM

To:

'tpage@boiseproject.org'

Cc:

Cresto, Liz; Hoekema, David; Vidmar, Pete; Rundberg, Carl

Subject:

RE: NY Canal Shift Update

Tim,

Thanks for bringing the shift to my attention yesterday. We have reviewed last week's measurement and it is very good. By the trend of the gage heights, it appears the aquatic growth is dying off. I made two separate measurements this morning using different sensors and the results were almost identical.

Let us know if the shifts appear to be decreasing more throughout the next couple weeks.

I will be in Salmon next week but you can call Pete Vidmar (388-2939).

Mike

From: Campbell, Mike D

Sent: Wednesday, August 14, 2013 09:07

To: 'HydroMet Shifts (HydroMetShifts@usbr.gov)'

Cc: 'tpage@boiseproject.org'; 'Liz.Cresto@idwr.idaho.gov'; 'Hoekema, David'; Campbell, Mike D; Hulme, Jim; Kolowith,

Mark; Pierce, Stan; Rundberg, Carl; Thometz, Richard; Vidmar, Pete

Subject: NY Canal Shift Update

A measurement was made Aug. 14 at 0715 MDT. The discharge was 1770 cfs; GH 8.12; shift -0.54. The previous shift on Aug. 8 was -0.80.

Let me know if you have questions.

Mike

Mike Campbell Water and Resource Planning Department Idaho Power Co. Boise, Idaho (208) 388-2473 (208) 870-5126 - Cell (208) 388-6495 - Fax



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From:

Rex Barrie [waterdistrict63@qwestoffice.net]

Sent: To: Friday, August 16, 2013 6:52 AM Cresto, Liz; Hoekema, David

Cc:

Greg Curtis

Subject:

FW: Water Transfer

NMID needs to transfer another 10 kaf! See text below.

Thanks,

Rex R. Barrie

Boise River Watermaster

From: Greg Curtis [mailto:gcurtis@nmid.org]
Sent: Wednesday, August 14, 2013 12:24 PM
To: Rex Barrie; tpage@boiseproject.org

Cc: Andy Madsen; Dave Duvall **Subject:** Water Transfer

Rex and Tim, please execute a paper transfer of 10,000 acre feet from the Boise Project account for NMID to the head of the Ridenbaugh Canal. I have sent over a fax to the Boise Project office also requesting this change also. This is NMID's 4^{th} transfer of 10,000 acre feet. This should carry the Ridenbaugh through the month of August. Thanks, Greg

From:

Cresto, Liz

Sent:

Friday, August 16, 2013 8:55 AM

To: Cc: Rex Barrie Hoekema, David

Subject:

RE: 25 acre feet from Conway hamming to Thomas Aiken

Rex,

Since they are both in the Eagle Island Water Users we can just transfer their storage water within their organization. There's no need for paperwork. It is the same as the NY and Ridenbaugh transfers.

Liz

----Original Message----

From: Rex Barrie [mailto:waterdistrict63@qwestoffice.net]

Sent: Friday, August 16, 2013 6:55 AM

To: Cresto, Liz

Subject: FW: 25 acre feet from Conway hamming to Thomas Aiken

Liz,

Here is a request to move water from the Conway Hamming to Thomas Aiken. As I remember, we can do this in house without any paper work, correct?

Thanks,

Rex R. Barrie

Boise River Watermaster

----Original Message----

From: Weston Arnell [mailto:weston@gardnercompany.net]

Sent: Thursday, August 15, 2013 10:24 PM

To: Rex Barrie Cc: Clark Benson

Subject: 25 acre feet from Conway hamming to Thomas Aiken

Hi Rex,

Please transfer the remaining 25 acre feet in the Conway hamming ditch to the Thomas Aiken ditch.

Thank you,

Weston Arnell 801-201-2853

From:

Rex Barrie [waterdistrict63@qwestoffice.net] Thursday, August 22, 2013 10:05 AM Cresto, Liz; Hoekema, David

Sent:

To:

Subject:

Rental Pool

Liz & David,

I have two Rental Pool transfers for you.

Canyon County Ditch Co. 500 AF to United Water. Boise City Canal Co. 400 AF to United Water.

Thanks,

Rex R. Barrie Boise River Watermaster

Date: 8/19/2013 Accounting Begin Date: 8/1/2013 (ran from 4/1/2013) Accounting End Date: 8/18/2013
Check List:
Download USBR Data / (last 15 -days)
Review USBR for Missing Data 🗸
Get ID Power Data and Enter on Website
New York Canal \(\square\)
Middleton (check for shift change) (Data was in a strange format that appeared to include gage he Download Watermaster Data /
Download USGS Data / (last 15 - days) 13190500 (missing 8/7-8)
Load NAL /
Post Report To Websites (including ALC and HST) ///
Update Fish Flows
Notes: Today a new storage report was run and CAN file created to account for the Ridenbur transfer. Also a shift was carried out on the New York canal back to Ang. 8. Thomas-Aiken + Conney-Haming transfer Rerun from beginning.
Date: 8/27/2013 # 30
Accounting Begin Date: 4/01/2013
Accounting End Date: 8/26/2013
Check List: Download USBR Data √
Review USBR for Missing Data 🗸
Get ID Power Data and Enter on Website 🗸
New York Canal ✓
Middleton (check for shift change) $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
Download Watermaster Data 🗸
Download USGS Data ./
Load NAL √
Post Report To Websites (including ALC and HST) $\sqrt{\int}$
Update Fish Flows
Notes: New "can" file created + storage report created based on Rexis email from 8/22/2013 Water transferred to United Water

13210050

Date: $\frac{9}{03}/2013$ Accounting Begin Date: $\frac{8}{18}/2013$ Accounting End Date: $\frac{9}{02}/2013$

Check List:	
Download USBR Data (15-days)	
Review USBR for Missing Data 🗸	
Get ID Power Data and Enter on Website	
New York Canal 🗸	
Middleton (check for shift change) \(\square\$	
Download Watermaster Data 🗸	
Download USGS Data 🗸	
Load NAL 🗸	
Post Report To Websites (including ALC and HST) HST / ALC / Websites /	
Update Fish Flows (N/A)	1
Notes:	
Date: 9/10/2013	# 3Z
Accounting Begin Date: 8/28/2013	# 76
Accounting End Date: 9/09/2013	
Check List: Download USBR Data $\sqrt{(15 \text{ days})}$	
Review USBR for Missing Data / no missing data Get ID Power Data and Enter on Website	
Cased as of the state of the st	
Middleton (check for shift change) / (no shift identified) Download Watermaster Data /	
(1-00/)	
Load NAL ./	
Post Report To Websites (including ALC and HST)	
Post Report To Websites (including ALC and HST) Post Report / HST / ALC Update Fish Flows (N/A)	

Notes:

From: Sent: Rex Barrie [waterdistrict63@qwestoffice.net] Wednesday, September 11, 2013 6:43 AM

To:

Cresto, Liz; Hoekema, David

Cc:

Mark Zirschky; Greg Curtis; Tim Page; Bob Carter

Subject:

FW: 2013 Fivemile Feeder - Transfer

Follow Up Flag: Flag Status:

Follow up Flagged

Liz and David.

Here is the request to transfer 3000 af from Pioneer Irrigation District storage to Boise Project Board of Control. This should be the only transfer related to this agreement this year.

Rex R. Barrie

Boise River Watermaster

From: gcurtis@nmid.org [mailto:gcurtis@nmid.org] **Sent:** Tuesday, September 10, 2013 2:12 PM

To: Mark Zirschky Pioneer Irrigation District; 'Rex Email'

Cc: 'Tim Page'; 'Andy Waldera'; 'Erica Slayton' **Subject:** Re: 2013 Fivemile Feeder - Transfer

NMID agrees with this request. Thanks Greg

Thanks Greg® Now Network from my BlackBerry®

From: "Mark Zirschky" < mark@pioneerirrigation.com>

Date: Tue, 10 Sep 2013 13:32:53 -0600

To: 'Rex Email'<waterdistrict63@qwestoffice.net>

Cc: 'Greg Curtis'<<u>gcurtis@nmid.org</u>>; 'Tim Page'<<u>tpage@boiseproject.org</u>>; 'Andy Waldera'<AJW@moffatt.com>; 'Erica Slayton'<erica@pioneerirrigation.com>

Subject: 2013 Fivemile Feeder - Transfer

Rex,

Please transfer the amount of 3000 a/f of water from Pioneer Irrigation Districts current storage, to satisfy the 2013 Fivemile Agreement (see attached). This transfer pertains to water used by Pioneer Irrigation District during the 2013 irrigation season.

I have been in contact with Greg Curtis, and we would like the water transferred to the Boise Project Board of Control account. The split (per the 2013 Agreement), will be conducted between BPBOC and NMID.

Greg Curtis will respond to this email, to verify his approval of the transfer.

If you should have any questions, please do not hesitate to contact me.

Mark Zirschky – Superintendent Pioneer Irrigation District

Office: 208-459-3617 Cell: 208-250-8481

From:

Sauer, Brian [bsauer@usbr.gov]

Sent:

Tuesday, September 24, 2013 8:02 PM

To: Cc: Hoekema, David tday@usbr.gov

Subject:

Re: Flows out of Anderson Ranch?

Dave,

We went to 300 cfs at 01:00 on 9/16 and have held it there since.

Brian

On Tue, Sep 24, 2013 at 4:43 PM, Hoekema, David < <u>David.Hoekema@idwr.idaho.gov</u>> wrote:

Brian or Ted,

What is the flow coming out of Anderson Ranch? The gage has malfunctioned. Could you guys give me an estimate of what flow should be coming of the Anderson Ranch from the 16^{th} to the 23^{rd} ?

David Hoekema

Hydrologist, Technical

Technical Services Bureau

Idaho Department of Water Resources

322 E. Front Street

Boise, ID 83702

office: (208) 287-4830

mobile: (714) 697-3203

Accounting End Date: 9/16/2013 **Check List:** Download USBR Data Review USBR for Missing Data Get ID Power Data and Enter on Website New York Canal Middleton (check for shift change) ✓ Download Watermaster Data Download USGS Data filled 5.F Load NAL √ Post Report To Websites (including ALC and HST) HST Update Fish Flows N/A I updated the "CAN" file with the PID transfer to the BPBC using a Sept. 17 storage. RPT. Notes: email from Rex 9/11/2013 @ 6:43 AM 9/24/2013 # 34 Accounting Begin Date: Accounting End Date: 9/23/2013 **Check List:** Download USBR Data Review USBR for Missing Data (15 days Get ID Power Data and Enter on Website New York Canal Middleton (check for shift change) from 8/13 onwar Download Watermaster Data quess Parma is 800 (9/13-9/17) quess that Anderson Runch is releasing 300 cfs since 9/17) Download USGS Data Load NAL 🗸 Porma & blu Anderson Ranch gages out of operation for a considerable # of days. Brian Savar emailed confirmation on South Fack flows. Parma needs to be investigated later. Post Report To Websites (including ALC and HST) HSTV ALC website Update Fish Flows

Date: 9/17/2013

Accounting Begin Date: 9/01/2013

Creek

Accounting Begin Date:	
Accounting End Date:	
Accounting and Date.	
Check List:	
Download USBR Data √ (15 δωγί)	
Review USBR for Missing Data	-
Get ID Power Data and Enter on Website	-
New York Canal N/A (I requested data for entire year, but hown't heard back)	_
Middleton (check for shift change) $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$	_
Download Watermaster Data (Sing 041) /	_
Download USGS Data / (15 days)	_
Load NAL	_
Post Report To Websites (including ALC and HST)	_
Update Fish Flows	_
	-
Date: 11/4/2013 #	- - 38
Accounting Begin Date: \(\frac{117}{8/15/40/2013}\)	- -38
#	- ∶38
Accounting Begin Date: \(\frac{\frac}\firk}{\firint}}}{\firin{\frac{\fir}{\fir}{\frac{\fir\f{	- - 38
Accounting Begin Date: $\frac{375}{107+00/2013}$ Accounting End Date: $\frac{10/3}{10/2013}$ Check List:	- ∶38
Accounting Begin Date: $\frac{37/5}{107+00/2013}$ Accounting End Date: $\frac{10/3}{10/2013}$ Check List: Download USBR Data $\sqrt{(20 \log f_{rem})(4.31)}$	- -38 -
Accounting Begin Date: \(\lambda \lambd	- -38 -
Accounting Begin Date: $\frac{8/15}{10/40/2013}$ Accounting End Date: $\frac{10/3 1/2013}{10/3 1/2013}$ Check List: Download USBR Data $\sqrt{(10 \log f_{rem})(1/31)}$ Review USBR for Missing Data $\sqrt{(10 \log f_{rem})(1/31)}$ Get ID Power Data and Enter on Website	- - - -
Accounting Begin Date: \(\lambda / 5 \lambda \l	- - - -
Accounting Begin Date: \(\lambda \frac{\lambda \frac{	- - - -
Accounting Begin Date: 8/15 / 2013 Accounting End Date: 10/3 1/2013 Check List: Download USBR Data \(\text{(20 days from 0.4.31)} \) Review USBR for Missing Data \(\text{none missing 0.4.31} \) Get ID Power Data and Enter on Website New York Canal \(\text{Middleton (check for shift change)} \(\text{(shift back for 8/15} \) Download Watermaster Data \(\text{(30 days)} \)	- - - - -
Accounting Begin Date: Style Color	- - - - -
Accounting Begin Date: Accounting End Date: Stiff Stiff Stiff	- - - - - -
Accounting Begin Date: Style Color	- - - - - -
Accounting Begin Date: \$\frac{\sqrt{15\frac{1}{10\frac{1}{20\frac{1}{3}}}}{\sqrt{15\frac{1}{10\frac{1}{20\frac{1}{3}}}}}\$ Check List: Download USBR Data \$\sqrt{10\days} \frac{\sqrt{10\days} \frac{1}{10\days} \frac{1}{10\days}}{\sqrt{10\days} \frac{1}{10\days}}\$ Review USBR for Missing Data \$\sqrt{10\days} \frac{1}{10\days} \frac{1}{10\days}}\$ Get ID Power Data and Enter on Website New York Canal \$\sqrt{10\days} \frac{1}{10\days} \frac{1}{10\days} \frac{1}{10\days}}\$ Download Watermaster Data \$\sqrt{10\days} \frac{1}{10\days} \frac{1}{10\days}}\$ Download USGS Data \$\sqrt{10\days} \frac{1}{10\days} \frac{1}{10\days}}\$ Post Report To Websites (including ALC and HST) \$\frac{1}{10\days} \frac{1}{10\days} \frac{1}{10\days}\$	- - - - -

To: Subject: Rex Barrie; Greg Curtis; Cresto, Liz RE: Review of Ridenbaugh's Account

Greg, Rex, & Liz,

Sorry for the previously confusing email. I goofed the math when I transferred from the spreadsheet to email. Below I'll break down the differences between the two accounting runs. We are currently working on the final run, and I would be happy to step back through these calculations for any differences which will occur.

At the beginning of the year there are two assumptions we have to make: evaporation loss and operational losses, both of which are charged to storage. Because the reservoirs did not fill and the USBR did not cancel early season storage use (which is usually done when reservoirs fill) evaporation and operational losses were charge for the whole season, rather than from the day of allocation. The result is that losses were about twice what we originally guessed. Another factor in the difference in the two runs is that we corrected the inputs into the water right accounting model to include USGS and Idaho Power Company's correction of their streamflow records.

The difference between the two runs was 536.3 ac-ft and can be broken down as such (note a small rounding error occurs because I ran the numbers backward starting from the WRA output which was rounded). The table below describes the amount of storage used by the Ridenbaugh, the quantity stored in each storage account, and the storage loss charged to each account. All units are in acre-feet.

	WRA Run 1	WRA Run 2	difference
Storage Used	46818	47137	-319
Arrowrock	3738.3	3710.6	-27.7
Arrowrock Loss	-26.2	-46.1	-19.9
Anderson Ranch	3834.4	3882.9	48.5
Anderson Loss	-26.9	-46.6	-19.7
Transfer	40000	40000	0.0
Transfer Loss	-280.1	-480.1	-199.9
		Total	-537.8

David Hoekema

Hydrologist, Technical Technical Services Bureau Idaho Department of Water Resources 322 E. Front Street Boise, ID 83702

office: (208) 287-4830 mobile: (714) 697-3203

From: Rex Barrie [mailto:waterdistrict63@qwestoffice.net]

Sent: Monday, December 09, 2013 7:12 AM

To: Cresto, Liz; Hoekema, David

Subject: FW: Review of Ridenbaugh's Account

Hi Guys,

Any comment on this question?

Rex R. Barrie Boise River Watermaster

From: Greg Curtis [mailto:gcurtis@nmid.org] **Sent:** Friday, December 06, 2013 12:22 PM

To: Rex Barrie

Subject: RE: Review of Ridenbaugh's Account

Rex,

Did this ever get settled? I don't have a problem with the adjustments so much as I do with the math. If we lost 28 acre feet in Arrow Rock, gained 48.5 acre feet in Anderson, the total change would be a +20.5, we loose 200 acre feet for operational loss, and they say we used and additional 319 acre feet. So by the way I add it up, 20.5 - 519 = -498.5 not -536.3 as they show. They added them all as a negative and I don't know where they come up with 21.3 (-28 + 48.5 = 20.5).

I know you said they were still working on this and you were going to check with them but I'd thought I'd check as I have not heard anything. I know I'm splitting hairs here but that's what they pay me for, 37.8 acre feet is 37.8 acre feet. Thanks.

Greg G Curtis Water Superintendant Nampa & Meridian Irrigation District (208) 466-0663

----Original Message----

From: Rex Barrie [mailto:waterdistrict63@gwestoffice.net]

Sent: Friday, October 25, 2013 7:46 AM

To: Greg Curtis

Subject: FW: Review of Ridenbaugh's Account

Greg,

When you look at the latest accounting you may have some questions so.....

I looked into this issue with Liz and I hope this helps explain why you ran out. It is not much and we can do a transfer from the New York. I would suggest we wait for the final run to make sure we are at 114 af.

Give me a call when you get back from VaCa.

I will out Tuesday and Wednesday helping rebuild the Dollarhide Snotel site.

Rex R. Barrie Boise River Watermaster

From: Hoekema, David [mailto:David.Hoekema@idwr.idaho.gov]

Sent: Thursday, October 24, 2013 10:18 AM

To: Rex Barrie
Cc: Cresto, Liz

Subject: Review of Ridenbaugh's Account

Rex,

Liz told me that you called looking for an explanation in the change in Ridenbaugh's account.

The previous accounting run on October 17 indicated that they had 422 acre-feet of carryover remaining. The most recent run indicates that the Ridenbaugh has a deficit of 114 acre-feet. The total difference between the two runs is a decrease of 536 acre-feet or 1.1% of the storage use.

When we reran the accounting and updated all the numbers in the system, we found that the finalized USGS numbers increased reservoir fill. However, since we underestimated operational loss, we had to lessen the accrual in the storage accounts. On Arrowrock (which filled), this resulted in a decrease from 3738.3 ac-ft to 3710.3 ac-feet in the Ridenbaugh account. However the increased fill in Anderson Ranch was greater than the additional operational loss from Anderson Ranch resulting in a slight increase in Ridenbaughs account from 3834.4 ac-ft to 3882.9 ac-ft. The total change in the Ridenbaugh reservoir accrual was therefore 21.3 ac-ft. The additional operational loss resulted in 40,000 ac-ft transfer being charged an additional 200 ac-ft.

A review of USGS monitored summer flows resulted in a decrease in flow. The decrease in flow resulted in more storage use. Whereas Ridenbaugh had used 46,818 ac-ft in the previous accounting run, the new accounting run shows that they have used 47,137 ac-ft. The difference is <u>319 ac-ft</u>.

We can therefore summarize the change as:

Total Change = Change in reservoir accumulation + Change in operational loss charged to transfers + change in use

-536 acre-ft = 21.3 ac-ft - 200 ac-ft - 319 ac-ft = -536.3 ac-ft

If you or any of the other account holders want their accounts reviewed, please let me know I would be happy to help.

These numbers may change slightly due to:

- 1. Idaho Power's review of the Middleton gage & New York Canal Diversions,
- 2. USGS flow revisons for the later part of the summer.

David Hoekema

Hydrologist, Technical Technical Services Bureau Idaho Department of Water Resources 322 E. Front Street Boise, ID 83702

office: (208) 287-4830 mobile: (714) 697-3203

Cresto, Liz

From: Hoekema, David

Sent: Thursday, December 26, 2013 9:57 AM

Io:Cresto, LizSubject:RE: Boise WRA

Liz,

I've can't figure out what to do with the F&G and USBR diversion rates. I've tried the numbers as you suggested, but something I'm doing is just not working out. I'll need to go over this with you when you get back.

David Hoekema

Hydrologist, Technical Technical Services Bureau Idaho Department of Water Resources 322 E. Front Street Boise, ID 83702

office: (208) 287-4830 mobile: (714) 697-3203

From: Cresto, Liz

Sent: Thursday, December 19, 2013 11:11 AM

To: Hoekema, David **Subject:** RE: Boise WRA

Here are my comments.

- 1. F&G and USBR
 - a. Nov March 31. Update the F&G and USBR diversion rate to the actual. Take the stored flow passing Middleton give 2/3 to USBR and 1/3 to F&G. Update diversion rates on the water master data entry page.
 - b. October 15 October 31. There are some wildly high numbers in there. I went ahead and recalculated the values in BOIFlowAug2013(4).xls. I took the outflow from Lucky Peak and subtracted the United Water and Micron diversion. That's what is being released for the winter flows. The winter flow is then divided 2/3 to USBR and 1/3 to F&G. Re-enter these numbers into the accounting and rerun it.
- 2. United Water Storage allocation April 1 (CAN.IND). United Water's 2013 storage allocation should be reduced by the excess volume used over the winter (-785.6 AF). Their allocation should be 5487.5 not 6273.1. See step 3 of the United Water Adjustments write up.
- 3. Table 5 Storage Report. The "storage used" values appear to be from last year. Update those values in the BOISTO.USE file. The easiest way to do this is in the accounting data base, choose start date of 11/1/2013 and end date of 11/1/2013 and then click build input files. Copy the .alc file into the .use file. Hand enter the storage used value for flow augmentation.
- 4. Storage Report Table 4 Transfers. Anderson Uncontracted -248. Flow Augmentation 0 AF. The flow augmentation water runs through the rental pool. Only the United water portion is a transfer.
- 5. Storage Report Table 4 Rental pool. Anderson Uncontracted -18566. Flow Augmentation 18566.
- 6. After you do all of the above changes, the Storage Report Table 5 column, "Balance October 31" should match the AF Remaining column for October 31 in the accounting model.

Date: 12/36/13	
Accounting Begin Date:	
Accounting End Date:	
Check List:	
Download USBR Data	
Review USBR for Missing Data	
Get ID Power Data and Enter on Website	
New York Canal	
Middleton (check for shift change)	
Download Watermaster Data	
Download USGS Data	
Load NAL	
Post Report To Websites (including ALC and HST)	
Update Fish Flows	
Notes: May 30th - Last day of reservoir accor	micron Canyover 10/31/12 - 29/18.9 3/31/12 - 433 (use)
Anderson - 299, 19709	2515.9
h. d. 0 1/2 023 (a	United Allocation 6240-3 Winteroverage: - 769
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Storage Reallocated to Anderson Ranch

		ARROWROCH	Anderson Ranch			Lucky Peak			LTF				Total				
NUMBER	USER	Stor	Carry	Fill	Stor	Carry	Fill	Stor	Carry	Fill	Stor	Carry	Fill	Stor			
13189600	TRINITY SPRINGS	0	786.4	13.6	800	0	0	0	0	0	0	786.4	13.6	800	***	0	0%
13199804	OSPREY	0	0	0	0	251.3	48.7	300	0	0	. 0:	251.3	48.7	300	= .	0	0%
13199924	WILDERNESS RANCH	0	0	0	0	177	23	200	0	0	0	177	23	200		0	0%
13201050	LUCKY PEAK NURSERY	190	0	0	0	0	0	0	0	0	0	0	190	190	= .	0	0%
13201990	F&G INSTREAM	0	0	0	0	25325.6	24674	50000	0	0	0	25326	24674.4	50000	+	1321.5	3%
13201991	L USBR INSTREAM	0	0	0	0	55588.6	49424	105013	0	0	0	55589	49424.4	105013	+	377.2	0%
13203000	NEW YORK	241321	130913.3	49316.4	180230	0	0	0	0	0	0	130913	290637	421551		-9811.6	-2%
13203527	SURPRIS VY/MICRON	0	2948.9	51.1	3000	0	0	0	0	0	0	2948.9	51.1	3000	=	0	0%
13203760	RIDENBAUGH	3794	0.2	2074.1	2074.3	0	0	0	0	0	0	0.2	5868.1	5868.3		-412.6	-7%
13204005	S BUBB	0	522	9	531	0	0	0	0	0	0	522	9	531	=	0	0%
13204060	ROSSI MILL	0	0	0	0	280.9	19.1	300	0	0	0	280.9	19.1	300	= -	. 0	0%
13204190	BOISE CITY	0	0	0	0	666.6	33.4	700	0	0	0	666.6	33.4	700	=	0	0%
13204200	UNITED WATER	0	0	140.3	140.3	0	599.4	599.4	0	0	0	0	739.7	739.7	+	57.7	8%
13205515	<u>SETTLERS</u>	2668	5675	0	5675	2103.4	3542	5645.4	0	0	0	7778.4	6210	13988.4	+	2587.5	18%
13205517	FAIRVIEW ACRES	0	0	0	0	1159.5	340.5	1500	0	0	0	1159.5	340.5	1500	=	0	0%
13205622	THURMAN MILL	0	0	0	0	550.4	249.6	800	0	0	0	550.4	249.6	800	=	0	0%
13205640	FARMERS UNION	2779	0	784.6	784.6	0	4433	4433	0	0	0	0	7996.6	7996.6	+	477.4	6%
13205 6 41	BOISE VALLEY	0	939	0	939	944.2	1362.3	2306.5	0	0	0	1883.2	1362.3	3245.5	+	587.6	18%
13205643	CAPITOL VIEW	0	215	63	278	0	0	0	0	0	0	215	63	278		-12.5	-4%
13206090	NEW DRY CREEK	0	1266	0	1266	2351.4	648.6	3000	0	0	0	3617.4	648.6	4266	+	409.2	10%
13206092	NEW UNION	0	0	0	0	586.6	13.4	600	0	0	0	586.6	13.4	600	= -	0	0%
13206220	WARM SPRINGS	0	0	0	0	30.5	31	61.5	0	0	0	30.5	31	61.5	+	2.3	4%
13206265	BALLENTYNE	0	367	0	367	419.5	708.4	1127.9	0	0	0	786.5	708.4	1494.9	+	133.2	9%
13206270	CONWAY-HAMMING	0	0	0	0	15.7	11.4	27.1	0	0	0	15.7	11.4	27.1	=	0	0%
13206292	MACE-CATLIN	0	0	0	0	488.3	90.8	579.1	0	0	0	488.3	90.8	579.1	=	0	0%
13208450	HART-DAVIS	0	0	0	0	39.1	165.2	204.3	0	0	0	39.1	165.2	204.3	+	23.6	12%
13208710	MIDDLETON	0	0	0	0	8296	204	8500	0	0	0	8 296	204	8500	=	0	0%
13208 7 40	SEVEN SUCKERS	0	0	0	0	126.3	21	147.3	0	0	0	126.3	21	147.3	= -	0	0%
13209480	PHYLLIS	20326	24986	0	24986	6057.6	8718.9	14777	0	0	0	31044	29044.9	60088.5	+	4304.9	7%
13209482	PEUREKA #1	0	0	0	0	1094.5	705.5	1800	0	0	0	1094.5	705.5	1800	=	0	0%
13209630	LITTLE PIONEER	0	1280.9	227.7	1508.6	0	0	0	0	0	0	1280.9	227.7	1508.6	-	-45.3	-3%
1320 9 990	CANYON COUNTY	0	0	0	0	3100.9	899.1	4000	0	0	0	3100.9	899.1	4000	=	0	0%
13210992	SEBREE	1146	0	0	0	0	0	0	0	0	0	0	1146	1146		0	0%
99999050	ANDERSON DAM POWE	R 0	5.9	0.1	6	0	0	0	0	0	0	5.9	0.1	6	=	0	0%
99999080	ANDSN UNCONTRACTED	0 0	36583.8	372.2	36956	0	0	0	0	0	0	36584	372.2	36956	=	0	0%
	TOTAL	272224	206489.4	53052.1	259 5 42	109653.9	96967	206621	0	0	C	316143	422243	738387		0.1	0%

Carryover Transfer 20130514 TABLE 1. 2013 BOISE RIVER STORED WATER BY RESERVOIR (ACRE-FEET) RESERVOIR SPACE FILL EVAPORATION YIELD ARROWROCK 272224.0 272224.0 2244.4 269979.6 449530.0 4526.9 ANDERSON RANCH 259541.4 255014.5 LUCKY PEAK 213366.1 206621.0 2949.9 203671.1 500.0 ANDERSON LST FIL 0.0 0.0 0.0 LUCKY PEAK LST FIL 0.0 51004.0 0.0 0.0 TOTAL 986624.1 738386.4 9721.2 728665.2

TABLE 2. 2013 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

and green and any of the	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTAL	
	13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.0	
	13199804	OSPREY	0.0	0.0	300.0	0.0	0.0	300.0	
	13199924	WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.0	
	13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.0	
	13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.0	
	13201991	USBR INSTREAM	0.0	0.0	105013.0	0.0	38339.0	143352.0	
		NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.0	
	13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.0	
	13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.0	
	13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.0	
	13204060	ROSSI MILL	0.0	0.0	300.0	0.0	400.0	700.0	
	13204190	BOISE CITY	0.0	0.0	700.0	0.0	0.0	700.0	
	13204200	UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.0	
	13205515	SETTLERS	2668.0	5675.0	6500.0	0.0	3500.0	18343.0	
	13205517	FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.0	
	13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.0	
	13205640	FARMERS UNION	2779.0	5593.0	8135.0	0.0	1865.0	18372.0	
	13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.0	
	13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.0	
	13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.0	
	13206092	NEW UNION	0.0	0.0	600.0	0.0	300.0	900.0	
	13206220	WARM SPRINGS	0.0	0.0	61.5	0.0	33.0	94.5	
	13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.0	
	13206270	CONWAY-HAMMING	0.0	0.0	27.1	0.0	14.0	41.1	
	13206292	MACE-CATLIN	0.0	0.0	579.1	0.0	311.0	890.1	
	13208450	HART-DAVIS	0.0	0.0	303.1	0.0	163.0	466.1	
		MIDDLETON	0.0	0.0	8500.0	0.0	2500.0	11000.0	
	13208740	SEVEN SUCKERS	0.0	0.0	147.3	0.0	79.0	226.3	
	13209480	PHYLLIS	20326.0	24986.0	16000.0	0.0	0.0	61312.0	
	13209482	EUREKA #1	0.0	0.0	1800.0	0.0	1000.0	2800.0	
	13209630	LITTLE PIONEER	0.0	1623.0	0.0	500.0	500.0	2623.0	
	13209990	CANYON COUNTY	0.0	0.0	4000.0	0.0	2000.0	6000.0	
	13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.0	
	99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.0	
	99999080	ANDSN UNCONTRACTED	0.0	36956.0	0.0	0.0	0.0	36956.0	
		TOTAL	272224.0	449530.0	213366.1	500.0	51004.0	986624.1	

TABLE 3. 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

, a Tarilla 10, P 10	er e de la companya d	Seasoperation and the traction of expression of State III Washington, 5, 1, 5, 1, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	ARROWROCK	*AND	ERSON RAI	NCH*	*L	UCKY PEA	K*
	NUMBER	USER	STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FIL	L STORAGE
	Access some and a contract of the contract of	a nangan minimining mananananan aya mara yi mara ka nangaya ka ka nangaya manga na aya na ka							
		TRINITY SPRINGS	0.0	786.4 0.0	13.6	800.0	0.0	0.0	0.0
	13199804	OSPREY	0.0	0.0	0.0	0.0	251.3	48.7	300.0
	13199924	OSPREY WILDERNESS RANCH	0.0	0.0	0.0	0.0	177.0	23.0	200.0
	13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	0.0	0.0
					0.0	0.0	25325.6	24674.4	50000.0
	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	55588.6ر	49424.4	105013.0
	13203000	NEW YORK	241321.0	130 9 13.3	49316.4	180229.7	0.0	0.0	0.0
	13203527	SURPRIS VY/MICRON	0.0	2948.9	51.1	3000.0	0.0	0.0	0.0
geens.	13203760	SURPRIS VY/MICRON RIDENBAUGH	3794.0	0.2	2074.1	3000.0 2074.3	/ 0.0	0.0	0.0
	13204005	BUBB	0.0	522.0	9.0	531.0	0.0	0.0	0.0
		ROSSI MILL				0.0			
	13204190	BOISE CITY	0.0	0.0	0.0	0.0	666.6	33.4	700.0
	13204200	UNITED WATER	0.0	0.0	140.3	_140.3~	0.0	599.4	599.4
	13205515	SETTLERS	2668.0	5675.0	0.0	5675.0	2103.4	3542.0	5645.4 v
.mein	13205517	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1159.5	340.5	1500.0
	13205622	THURMAN MILL	0.0	0.0	0.0	0.0	550.4	249.6	
	13205640	FARMERS UNION	2779.0		784.6	784.6 v	0.0	4433.0	4433.0 🗸
	13205641	BOISE VALLEY	0.0	939.0	0.0	939.0	/ 944.2	1362.3	2306.5 🗸
	13205643	CAPITOL VIEW	0.0				0.0	0.0	0.0
	13206090	NEW DRY CREEK	0.0	1266.0	0.0	ر 1266.0	2351.4	648.6	3000.0 🎻
	13206092	NEW UNION	0.0	0.0	0.0 0.0	0.0	586.6	13.4	600.0 🍒
	13206220	WARM SPRINGS	0.0	0.0 367.0	0.0	0.0	30.5	31.0	61.5 1127.9
		BALLENTYNE	0.0	367.0	0.0	(367.0)	419.5	708.4	1127.9
	13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	15.7	11.4	27.1
	13206292	MACE-CATLIN	0.0	0.0	0.0	0.0	488.3	90.8	579.1
	13208450	HART-DAVIS	0.0	0.0		0.0			204.3
	13208710	MIDDLETON			0.0	0.0	8296.0	204.0	8500.0
	13208740	MIDDLETON SEVEN SUCKERS PHYLLIS EUREKA #1 LITTLE PIONEER	0.0	0.0	0.0	0.0	126.3	21.0	147.3
	13209480	PHYLLIS	20326.0	24986.0	0.0	(24986.0)	6057.6	8718.9	14776.5 🗸
	13209482	EUREKA #1	0.0	0.0	0.0	0.0	1094.5	705.5	
					227.7	1508.6	/ 0.0	0.0	0.0
	13209990	CANYON COUNTY	0.0	0.0	0.0	0.0	3100.9	899.1	4000.0
	13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	0.0	0.0
out the t	99999050	ANDERSON DAM POWER	0.0	5.9	0.1	6.0	0.0	0.0	0.0
	99999080	ANDSN UNCONTRACTED	0.0	36583.8	372.2	36956.0	0.0	0.0	0.0
		ጥርጥል፣.	272224 0	206489 4	53052 0	259541 4	109653 9	96967 1	206621 0

TOTAL 272224.0 206489.4 53052.0 259541.4 109653.9 96967.1 206621.0

TABLE 3 (CONTINUED). 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

1 31		de andre Marini Adreni anno marrino de la colonia de la colonia de la colonia de Marini. A Marini de la coloni	+ * 2 TD 0 0 2 T	DANGEL TAG	m mrrr 4	_ T TICTES?	DDNK TAGE	DITT 4		MOIIIA T		** ;
141	NUMBER	USER					PEAK LAST					
13.1	NUMBER	USER	CARRYOVER	NEW LIFF	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEM LITT	STORAGE	
Hal	13189600	TRINITY SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	786.4	13.6	800.0	
[14]	13199804		0.0		0.0	0.0		0.0				
1481		WILDERNESS RANCH	0.0	0.0	0.0	0.0		0.0			200.0	
5 5		LUCKY PEAK NURSERY		0.0	0.0	and the state of t	water and the control of the first of the	0.0	and the first comments of the contract of		190.0	
17	13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	25325.6	24674.4	50000.0	
[18]	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	55588.6	49424.4	105013.0	
[19]	13203000	NEW YORK	0.0	0.0	0.0	0.0	0.0	0.0	130913.3	290637.4	421550.7	
[20]	13203527	SURPRIS VY/MICRON	0.0	0.0	0.0	0.0	0.0	0.0	2948.9	51.1	3000.0(
[71]	13203760	RIDENBAUGH	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5868.1	5868.3	
[aa]	13204005	BUBB	0.0	0.0	0.0	0.0	0.0	0.0	522.0	9.0	(531-0	
	13204060	ROSSI MILL	0.0	0.0	0.0	0.0	0.0	0.0	280.9	19.1	300.0	
[24]	13204190	BOISE CITY	0.0	0.0	0.0	0.0	an agreement committee and a second committee of	0.0	and the entire of the first of the first of the	33.4	700.0	
[25]		UNITED WATER	0.0	0.0	0.0			0.0			(739.7)	
[28]		SETTLERS	0.0	0.0	0.0	0.0		0.0			13988.4	
[27]	and the first of the second second second	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	· · · · · · · · · · · · · · · · · · ·	0.0		340.5	1500.0	· · · · · · · · · · · · · · · · · · ·
25		THURMAN MILL	0.0	0.0	0.0	0.0		0.0	550.4		800.0	
		FARMERS UNION	0.0	0.0	0.0	0.0		0.0			7996.6	
[30]		BOISE VALLEY	0.0	0.0	0.0	0.0		0.0	and the course of the first of the course		3245.5	
		CAPITOL VIEW	0.0	0.0	0.0	0.0		0.0			278.0	
32		NEW DRY CREEK	0.0	0.0	0.0	0.0		0.0			4266.0	
[30]	and the second section of the second	NEW UNION	0.0	0.0	0.0	0.0		0.0		13.4	600.0	
[24]		WARM SPRINGS	0.0	0.0	0.0			0.0			61.5	
[05]		BALLENTYNE	0.0	0.0	0.0	0.0		0.0		708.4	1494.9	
	and an experience of a manufacture of the process of the same	CONWAY-HAMMING	0.0	0.0	0.0	0.0		0.0	and the state of t		27.1	
		MACE-CATLIN	0.0	0.0	0.0			0.0		90.8	579.1	
[38]		HART-DAVIS	0.0	0.0	0.0	0.0		0.0			204.3	
39		MIDDLETON	0.0	0.0	0.0	0.0		0.0		204.0	8500.0	
[40]		SEVEN SUCKERS	0.0	0.0	0.0	0.0		0.0		21.0	147.3	
31	13209480		0.0	0.0	0.0	0.0		0.0		29044.9	60088.5	
142		EUREKA #1	0.0	0.0	0.0	0.0		0.0	e como tatat an il con e practico in tito	705.5	1800.0 1508.6	
[42]		LITTLE PIONEER	0.0	0.0	0.0			0.0				
144		CANYON COUNTY	0.0		0.0			0.0		899.1	4000.0	
(n (h))	13210992	potential for the first contract of the contra	0.0	0.0	0.0	0.0	and the product of the speciment of the first continuous	0.0			1146.0 6.0	
1461		ANDERSON DAM POWER		0.0	0.0	0.0		0.0			36956.0	
	99999080	ANDSN UNCONTRACTE	0.0	0.0	0.0	0.0	0.0	0.0	36583.8	3/2.2	30930.0	
[58]									216142 2	400042 1	720206 4	
1501	TOT	AL .	0.0	0.0	0.0	0.0	0.0	0.0	316143.3	422243.1	/38386.4	
1501												

TABLE 4. 2013 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

1											
	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL A	AFTER LOSS	
8											
]	group placed when a recommendant and the contract of the contr	TRINITY SPRINGS	0.0	786.0	0.0	786.0	0.0	0.0	786.0	780.5	
[10]	13199804	_	0.0	0.0	295.7	295.7	0.0	0.0	295.7	293.6	
111		WILDERNESS RANCH	0.0	0.0	197.1	197.1	0.0	0.0	197.1	195.8	
[12]	and the control of th	LUCKY PEAK NURSERY	188.4	0.0	0.0	188.4	0.0	0.0	188.4	187.1	ra - c. r.
111		F&G INSTREAM	0.0	0.0	49286.2	49286.2	0.0	0.0	49286.2	49286.2	
[14]		USBR INSTREAM	0.0	0.0	103513.7	103513.7	0.0	0.0	103513.7	103513.7	
[15]	processors and the second seco	NEW YORK	239331.4	177086.1	0.0	416417.5	0.0	0.0	416417.5	413502.6	
15		SURPRIS VY/MICRON	0.0	2947.7	0.0	2947.7	0.0	0.0	2947.7	2927.0	
[17]		RIDENBAUGH	3762.7	2038.1	0.0	5800.8	0.0	0.0	5800.8	5760.2	
[13]	13204005		0.0	521.7	0.0	521.7	0.0	0.0	521.7	518.1	
[10]		ROSSI MILL	0.0	0.0	295.7	295.7	0.0	0.0	295.7	293.6	
[20]		BOISE CITY	0.0	0.0	690.0	690.0	0.0	0.0	690.0	685.2	
[21]	A Company CANNON PROPERTY AND INVESTIGATION OF THE PROPERTY OF	UNITED WATER	0.0	137.8	590.9	728.7	0.0	1500.0	2228.7	2213.1	
		SETTLERS	2646.0	5576.0	5564.8	13786.9	0.0	0.0	13786.9	13690.3	
[23]		FAIRVIEW ACRES	0.0	0.0	1478.6	1478.6	0.0	0.0	1478.6	1468.2	
23		THURMAN MILL	0.0	0.0	788.6	788.6	0.0	0.0	788.6	783.1	
25		FARMERS UNION	2756.1	770.9	4369.7	7896.7	0.0	0.0	7896.7	7841.4	
[25]		BOISE VALLEY	0.0	922.6	2273.6	3196.2	0.0	-1500.0	1696.2	1684.3	
27		CAPITOL VIEW	0.0	273.1	0.0	273.1	0.0	0.0	273.1	271.2	
		NEW DRY CREEK	0.0	1243.9	2957.2	4201.1	0.0	0.0	4201.1	4171.7	
		NEW UNION	0.0	0.0	591.4	591.4	0.0	0.0	591.4	587.3	
	13206220	WARM SPRINGS	0.0	0.0	60.6	60.6	0.0	0.0	60.6	60.2	
31]	13206265	BALLENTYNE	0.0	360.6	1111.8	1472.4	0.0	0.0	1472.4	1462.1	
12]	13206270	CONWAY-HAMMING	0.0	0.0	26.7	26.7	0.0	0.0	26.7	26.5	
[53]	13206292	MACE-CATLIN	0.0	0.0	570.8	570.8	0.0	0.0	570.8	566.8	
[34]	13208450	HART-DAVIS	0.0	0.0	201.4	201.4	0.0	0.0	201.4	199.9	
35)	13208710	MIDDLETON	0.0	0.0	8378.6	8378.6	0.0	0.0	8378.6	8320.0	
26)	13208740	SEVEN SUCKERS	0.0	0.0	145.2	145.2	0.0	0.0	145.2	144.2	
37	13209480	PHYLLIS	20158.4	24550.2	14565.5	59274.1	0.0	0.0	59274.1	58859.2	
36)	13209482	EUREKA #1	0.0	0.0	1774.3	1774.3	0.0	0.0	1774.3	1761.9	
[59]	13209630	LITTLE PIONEER	0.0	1482.3	0.0	1482.3	0.0	0.0	1482.3	1471.9	
40	13209990	CANYON COUNTY	0.0	0.0	3942.9	3942.9	0.0	0.0	3942.9	3915.3	
[44]	13210992		1136.6	0.0	0.0	1136.6	0.0	0.0	1136.6	1128.6	
42	99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9	
43	99999080	ANDSN UNCONTRACTED	0.0	36311.4	0.0	36311.4	0.0	0.0	36311.4	36311.4	
46	e managan and the College of a surrounce and a second or of earth	TOTAL	269979.6	255014.5	203671.1	728665.2	0.0	0.0	728665.2	724888.4	
[46]											

TABLE 5. 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS - OCTOBER 31. (ACRE-FEET)

	TTD 45 CTD	atantangay ang 150 apanggap tellah pagiar merupagap anagan teleberaran yang anagan adar TTO TIPE	BEGINNING	0.826.500, 1, 200, 1,	BALANCE	wayspeep experience and a contract of the cont	UNUSED	personal programme and a second contraction of	carried and the second section of the second	weeks and a surface of the contract of	LUCKY PEAK	etaeratus fillaturas og rythus of erreinnannings ang	anger transfer of the large of the contract of the second	
1	NUMBER	USER	STORAGE	USED	OCT 31	TRANSFERS	BANK	USED	UNUSED	CARRYOVER	CARRYOVER			
:	13189600	TRINITY SPRINGS	780.5	0.0	780.5	0.0	0.0	0.0	0.0	780.5	0.0			
	13199804	e a transmitte gar, and a contract of the cont	293.6	42,7	250.9	0.0	0.0	0.0	0.0	0.0	250.9	***************************************		*** - 15*.*
		WILDERNESS RANCH	195.8		176.8		0.0	0.0	0.0	0.0	176.8			
		LUCKY PEAK NURSERY	187.1		183.4	0.0	0.0	0.0	183.4	0.0	0.0			
CONTRACTOR PROPERTY.		F&G INSTREAM	49286.2	(8) Service (18) (18) (18) (18) (18) (18) (18) (18)	49234.2	0.0	0.0	0.0	0.0	0.0	49234.2	especial est of the contract of the same of	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- obomino
		USBR INSTREAM	103513.7		103409.7	0.0	0.0	0.0	0.0	0.0	103409.7			
		NEW YORK		434474.0		0.0		21119.2	0.0	0.0	0.0			
		SURPRIS VY/MICRON	2927.0		2926.9	0.0	0.0	0.0	0.0	2926.9	0.0			
		RIDENBAUGH		36116.2		0.0		30570.0	0.0	0.0	0.0			
		WILLIAMS PARK	0.0		-14.4	0.0	0.0	14.5	0.0	0.0	0.0			
	13204005	Assumption of the contract of	518.1	Sphalage agreement as the first of the sphalage and	518.1	0.0	0.0	0.0	0.0	518.1	0.0	en e	proceeded an association among representa-	and seems of the contract pro-
		ROSSI MILL	293.6		285.8	0.0	0.0	0.0	0.0	0.0	285.8			
		BOISE CITY	685.2		665.9	0.0	0.0	0.0	0.0	0.0	665.9			
		UNITED WATER	2213.1	4207.0		0.0		2008.0	0.0	0.0	0.0			
		K ALBERTSON	0.0		-5.9		0.0	5.9	0.0	0.0	0.0			
		SETTLERS	13690.3		6939.5	0.0	0.0	0.0	0.0	1374.7	5564.8			
starenia avergas qu	and the state of t	FAIRVIEW ACRES	1468.2	er Consideration and a construction of	1157.9	0.0	0.0	0.0	0.0	0.0	1157.9	nag maligiga at mag a commentant and a comment particle in a particle in	gag in see ann san an gagagag gan as an ma	and the property of the party of
		THURMAN MILL	783.1		549.6		0.0	0.0	0.0	0.0	549.6			
		FARMERS UNION		16356.3		0.0		8574.9	0.0	0.0	0.0			
		BOISE VALLEY	1684.3	August Tarana (a sa s	1684.3		0.0	0.0	0.0	0.0	1684.3		and the section of the contraction of	
		CAPITOL VIEW	271.2		271.2		0.0	0.0	0.0	271.2	0.0			
			2/1.2			0.0	0.0	19.0	0.0	0.0	0.0			
Un-1980-1999	and the second contract of the second of P	RIVERSIDE VILL	have represented a secretary and a second control of the second co	grander and the second section of the second	-18.9	0.0	0.0	0.0	0.0	634.7	2957.2	Charges greenly new coasts on the model across sections and	na gareno a sonde el consocia magnard se	
		NEW DRY CREEK	4171.7		3591.9			0.0	0.0	0.0	587.3			
		NEW UNION	587.3		587.3	0.0	0.0	0.0	0.0	0.0	30.4			
	CONTRACTOR AND ADMINISTRATION OF THE PARTY O	WARM SPRINGS	60.2		30.4	0.0	0.0		0.0	0.0	0.0		and the second	
		GRAHAM-GILBERT	0.0		-18.5	0.0	0.0	18.6 0.0		0.0	607.4			
		BALLENTYNE	1462.1		607.4	0.0	0.0		0.0		15.6			
enconstruction of the	Management and American American Committee	CONWAY-HAMMING	26.5	outer authorities and a second	15.6	0.0	0.0	0.0	0.0	0.0	with a supplementary territory and a supplementary and a supplemen			erionen-o-
		THOMAS AIKEN	0.0		-32.4	0.0	0.0	32.6	0.0	0.0	0.0			
		MACE-CATLIN	566.8		565.8	0.0	0.0	0.0	0.0	0.0	565.8			
	and the control of th	MACE-MACE	0.0	and an arrest of the second of a con-	-27.3	0.0	0.0	27.5	0.0	0.0	0.0			
		HART-DAVIS	199.9		-58.0	0.0	0.0	58.4	0.0	0.0	.0.0			
		MIDDLETON	8320.0		8320.0	0.0	0.0	0.0	0.0	0.0	8320.0			
والمتحددة والمتحددة	فالقدين وسمري ومندور والمستور والمحارب	SEVEN SUCKERS	144.2	18.0	126.2	0.0	0.0	0.0	0.0	0.0	126.2	herena mana anna anna an ar ar ar ar an ar an an		Combustion with
	13209480		58859.2				0.0	0.0	0.0	15080.9	14565.5			
		EUREKA #1	1761.9		1092.6		0.0	0.0	0.0	0.0	1092.6			
		LITTLE PIONEER	1471.9		1383.8	0.0	0.0	0.0	0.0	1383.8	0.0			
		CANYON COUNTY	3915.3		3281.9	0.0	0.0	0.0	0.0	0.0	3281.9			
	13210992		1128.6		993.1		0.0	0.0	993.1	0.0	0.0			
	and the second s	ANDERSON DAM POWER	5.9	and the property of the contract of the contra	5.9	annen annen eta gregorgogogogoforretenen inn inn inn inn inn inn inn inn inn	0.0	0.0	0.0	5.9	0.0		ning a transfer of the same a second was	
-		ANDSN UNCONTRACTED	36311.4		36311.4		0.0	0.0	0.0	36311.4	0.0			
9	99999200	FLOW AUGMENTATION	0.0	51504.0	-51504.0	0.0	0.0	51867.1	0.0	0.0	0.0			
											and the second second			
		TOTAL	724888 3	582809 3	142079.0	0.0	0 : 01	114315.8	1176.5	59288.2	195129.9			

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114		1341
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117		Fir
117		134
20	MARKET C. AAAA MAMAA DAAMAA CA DAAMAA MAMAA MAMAA AAAAA AAAAA AAAAA AAAAAA	Transaction of the
141	TABLE 6. 2013 WATER DISTRICT 63 RESERVOIR TOTAL STORAGE - OCTOBER 31 (ACRE-FEET)	
122		120
123		
128	RESERVOIR CARRYOVER LATE FILL TOTAL	(tal
75		(20)
26	ARROWROCK 1176.5 0.0 1176.5	
76. 27	ANDERSON RANCH 59288.2 0.0 59288.2	Rid
23		
129	ANDERSON LST FIL 0.0 0.0 0.0	
130	LUCKY PEAK LST FIL 0.0 0.0 0.0	
51		
3.9	TOTAL 255594.6 0.0 255594.6	37
153		
11.1		(30)
0.7		135
100		
100		
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3.9		
36 35 38 39 40 41 42 44 46		
		121
132		[32]
133		(43)
1.17		Sir
122		[44]
		136
1.0		137
147		1
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4.0		
		[25]
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152		
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6.3		[54]
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157		185
150		
		159
52 53 59 59 59 50 50		100

tore to guillone the experimental control of the co		et an anna e troche Automora an an anna e the transfer				Regular	Accounting	
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	dengtun nga Madumur Pharmag, ara gam fundampunga na pagaya Humand dinga mara gbayagib Human a dan sa sanasa membenas	tropped in suggest the experience of the experie	ti tilaa ga arga dawatii ti a ga daada ay a sada tii a	germakere en er gert gabe het mysenet er en gert er, er er ge				
5 3	en kan 1978 in 1981 in in in in 1978 birthaman mangapén kahkan kan kan kan kahan pada in in mangapina menan	100 A M A 1 (A 1 (A 1 (A 1 (A 1 (A 1 (A 1 (***************************************		20130	514		
	kerk kan ang antana merupahan manunca Paterla i Pamella Panga kan anda anda sakehinda pangkalahinda melama ili	e e e esperanta popular e e e di franchista de la companya de la c	errenamen segus elifer i rises ese umana es carrirres elem s	29111914 (1111 h. 1 2 h. 3 ° 11 1 1 1 1 2 2 1 1 1 1 2 2 1 1 2 2 2 2	Ak reprintek en er er fill er stål framfer er fremferer er eftik en til depresser er er er er	en film herrer (special consequence) for a large copy graph limiter (ble copy) and section (ble copy).	The control of the co	
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16	esperante (2015). Il manufacto de la composition della composition	and the species of the second contract of the	I the had not produce at the country of physics as many a transfer from the country of the count					
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21 32 32	TABLE 1	2013 BOISE RIV	ER STORED WAT	TER BY RESEF	RVOIR	and the major of the second section of the second section of the second section of the second section of the se		<u> </u>
24 24		(ACRE-FE	ET)					
25 26	RESERVOIR	SPACE	FILL E	/APORATION	YIELD	nere e como e mandramente de mere e consentención de medica e amore.		2
and the second s	ARROWROCK ANDERSON RANCH	272224.0 449530.0	272224.0 259541.4	2244.4 4526.9	269979.6 255014.5	, arteriore a strain campa anom et ara en dance et argentette telem servenango det m		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
20	LUCKY PEAK ANDERSON LST FIL	213366.1 500.0	206621.0 0.0	2949.9 0.0	203671.1 0.0			
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LUCKY PEAK LST FIL	51004.0	0.0	0.0	0.0		Marian Marian Marian San San San San San San San San San S	
3.4		986624.1	738386.4	9721.2	728665.2			at man ar annae tal na t-aigh ann a S
35} 36}								200
24 25 26 27 27 27 27 27 27 27	ante en autreux ex en menten mer den zenne ann en vazen vormen melmen met de veren beteken attekat av erne zen 	addionalasia ii — e e i eii ii ii i i yani ii iaa i fi e fi e e i	anne ann an t-aire ann an t-aire ann ann ann ann ann ann an t-aire ann ann ann ann ann ann ann ann ann an			ang taon kana itu kanada a sa anga iku ita kamban 1861 bi bi kanpatan bibi bibi sa iku ata gangkan kamba		
38) 38)	шина ада шежина жана на нау жеге чашта на адани у тог е з голосто шена на стоезбот част надания с голосто.	erakannaki irrakerakerakerakerakerakerakerakerakerak	ele de destal de le de la company de la comp		- tunning ()			
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	والمنافذ في المحارث وي المساور وسائر المساور و و و و المحارث والمساور و المساور و المس	ala kajali janutu ilijuu juu liiki kili sa kal juhus a ku ka miljuu iliju ili ili ilii dha. A	n An Bent Symbol (St. A. 124 and C. P. B. Chan Tarks (2013)		, en	ay an tha deal the agree of a factor than the agree of the time the agree of the time the field as the agree to a time the		
15 17 15 15								
		e yang kangana kang gang gana ng 1935 ang kanganang kananang kananang kananang kananang kananang kananang kana	, 119,110-110-1, 100-1					\$.5.1 \$.6.2 \$.6.2
61) 52)	mindistrikking vicentes et er de den påpaminne fonds mindidaga findansk (bed) e tammagnin igred å de sin defenminninn i s	ti i i i i i i i i i i i i i i i i i i				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and a consistency was a single an extensive a consistency of a consistency of	
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	Continued in the section of a section of the sect						there were the company party to the entire configuration of any party to edge and	
59 mm								lis is
- consistential contrata para esta france e constituir de la constituir de la constituir de la constituir de l En la constituir de la constitu	kanasa ya yacungania neges pegenerakanakanayantikantikatikan inakinegan ni ye esari enara dana panasana nat	and the second of the second o	enga manang mang tanang mengan ang mengang yan dan m	acceptance were properties are soon open	en de la comita de La comita de la comi	mater to constant a single reason where it will all according to the first all the agency to	htana notaleena tarattava vyineentäyvhisyenettä site suu eistäyyseen siittä erin	and the second second transfer

TABLE 2. 2013 BOISE RIVER RESERVOIR SPACE BY USER. (ACRE-FEET)

	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	ANDERSON	LUCKY PEAK	TOTA
	13189600	TRINITY SPRINGS	0.0	800.0	0.0	0.0	0.0	800.
a description of the control of the	13199804	OSPREY	0.0	0.0	300.0	0.0	0.0	300.
	13199924	WILDERNESS RANCH	0.0	0.0	200.0	0.0	0.0	200.
	13201050	LUCKY PEAK NURSERY	190.0	0.0	0.0	0.0	0.0	190.
ggganag 194 ng naggarin, nagangagang ngangang magani ana pamai	13201990	F&G INSTREAM	0.0	0.0	50000.0	0.0	0.0	50000.
	13201991	USBR INSTREAM	0.0	0.0	105013.0	0.0	38339.0	143352.
	13203000	NEW YORK	241321.0	351554.0	0.0	0.0	0.0	592875.
Comment British Comment of the Comment of the Company of the	13203527	SURPRIS VY/MICRON	0.0	3000.0	0.0	0.0	0.0	3000.
	13203760	RIDENBAUGH	3794.0	14785.0	0.0	0.0	0.0	18579.
	13204005	BUBB	0.0	531.0	0.0	0.0	0.0	531.
for the chance, and most report of the dynamics over a recovery	13204060	ROSSI MILL	0.0	0.0	300.0	0.0	400.0	700.
	13204190	BOISE CITY	0.0	0.0	700.0	0.0	0.0	700.
	13204200	UNITED WATER	0.0	1000.0	1100.0	0.0	0.0	2100.
tamangan erekantennakan ngapteriran ana danin ngan ere		SETTLERS	2668.0	5675.0	6500.0	0.0	3500.0	18343.
	13205517	FAIRVIEW ACRES	0.0	0.0	1500.0	0.0	0.0	1500.
	13205622	THURMAN MILL	0.0	0.0	800.0	0.0	0.0	800.
en men en general de la provinció de la provinció de la proper una que de la del de la defenda de la companya de la d	13205640	FARMERS UNION	2779.0	5593.0	8135.0	0.0	1865.0	18372.
	13205641	BOISE VALLEY	0.0	939.0	2500.0	0.0	0.0	3439.
	13205643	CAPITOL VIEW	0.0	449.0	0.0	0.0	0.0	449.
	13206090	NEW DRY CREEK	0.0	1266.0	3000.0	0.0	0.0	4266.
	13206092	NEW UNION	0.0	0.0	600.0	0.0	300.0	900.
	13206220	WARM SPRINGS	0.0	0.0	61.5	0.0	33.0	94.
here were by the same adjection on every reage matters for a way with each	13206265	BALLENTYNE	0.0	367.0	1300.0	0.0	0.0	1667.
	13206270	CONWAY-HAMMING	0.0	0.0	27.1	0.0	14.0	41.
	13206292	MACE-CATLIN	0.0	0.0	579.1	0.0	311.0	890.
enterior to the first of the transfer of the first of the second	13208450	HART-DAVIS	0.0	0.0	303.1	0.0	163.0	466.
		MIDDLETON	0.0	0.0	8500.0	0.0	2500.0	11000.
	13208740	SEVEN SUCKERS	0.0	0.0	147.3	0.0	79.0	226.
and the second s	13209480		20326.0	24986.0	16000.0	0.0	0.0	61312.
		EUREKA #1	0.0	0.0	1800.0	0.0	1000.0	2800.
	13209630	LITTLE PIONEER	0.0	1623.0	0.0	500.0	500.0	2623.
	13209990	CANYON COUNTY	0.0	0.0	4000.0	0.0	2000.0	6000.
	13210992	SEBREE	1146.0	0.0	0.0	0.0	0.0	1146.
	99999050	ANDERSON DAM POWER	0.0	6.0	0.0	0.0	0.0	6.
anna a na agus an n-aireach aide i Aghra Bainne an ann an 1970 (a 1984) (a 1984) (a 1984) (a 1984) (a 1985) (a	99999080	ANDSN UNCONTRACTED		36956.0	0.0	0.0	0.0	36956.
		TOTAL	272224.0	449530.0	213366.1	500.0	51004.0	986624.

TABLE 3. 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

10		•	ARROWROCK	*AND	ERSON RAI	NCH*	*I	UCKY PEAI	ζ*	
11	NUMBER	USER	STORAGE	CARRYOVER	NEW FLL	STORAGE	CARRYOVER	NEW FILE	STORAGE	
	13189600	TRINITY SPRINGS	0.0	786.4	13.6	800.0	0.0	0.0	0.0	
14.	13199804	OSPREY	0.0	0.0	0.0	0.0	251.3	48.7	300.0	
15]	13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	177.0	23.0	200.0	
18]	13201050	LUCKY PEAK NURSERY		0.0	0.0	0.0	0.0	0.0	0.0	
37	13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	25325.6	23352.9	48678.5	
19	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	55588.6	49047.2	104635.8	
19	13203000	NEW YORK	241321.0	130913.3	59128.0	190041.3	0.0	0.0	0.0	
		SURPRIS VY/MICRON			51.1	3000.0	0.0	0.0	0.0	
211	13203760	RIDENBAUGH	3794.0	0.2	2486.7	2486.9	0.0	0.0	0.0	
22)	13204005	BUBB	0.0	522.0	9.0	531.0	0.0	0.0	0.0	
231	13204060	ROSSI MILL	0.0	0.0	0.0	0.0	280.9	19.1	300.0	
24	13204190	BOISE CITY	0.0	0.0	0.0	0.0	666.6	33.4	700.0	
25[13204200	UNITED WATER	0.0	0.0	168.2	168.2	0.0	513.8	513.8	
25]			2668.0		954.5			0.0	6500.0	
	13205517	FAIRVIEW ACRES	0.0	0.0	0.0	0.0	1159.5	340.5	1500.0	
20)	13205622	THITRMAN MITT.I.	0.0	0.0	0.0	0.0		249.6	800.0	
29)	13205640	FARMERS UNION	2779.0	0.0	940.7	940.7	0.0	3799.5	3799.5	
30	13205641	BOISE VALLEY	0.0	0.0	157.9	157.9	1883.2	616.8	2500.0	
31	13205643	CAPITOL VIEW	0.0	215.0	75.5	290.5	0.0	0.0	0.0	
22(13206090	NEW DRY CREEK	0.0	643.9	212.9			26.5		
33	Character to the control of the control of the first of the part of the first of the control of	NEW UNION	0.0	0.0	0.0	0.0	586.6	13.4	600.0	
	13206220	WARM SPRINGS		0.0	0.0	0.0	30.5	28.7	59.2	
95]	13206265	BALLENTYNE	0.0	0.0	61.7	61.7		513.5	1300.0	
	13206270	CONWAY-HAMMING	0.0	0.0	0.0	0.0	15.7	11.4	27.1	
57	13206292	MACE-CATLIN	0.0	0.0	0.0	0.0	488.3	90.8	579.1	
35	13208450	HART-DAVIS	0.0	0.0	0.0			141.6		
39 <u> </u>	13208710	MIDDLETON	0.0	0.0	0.0	0.0	construction of the second contract of the se	204.0		
	13208740	MIDDLETON SEVEN SUCKERS PHYLLIS	0.0	0.0	0.0	0.0	126.3	21.0	147.3	
41	13209480	PHYLLIS	20326.0	15255.2	4202.4	19457.6	15788.4	211.6	16000.0	
421	13209482	EUREKA #1	0.0	0.0	0.0		1094.5	705.5	1800.0	
43]	13209630	LITTLE PIONEER	0.0	1280.9	273.0		0.0	0.0		
34	13209990	CANYON COUNTY SEBREE	0.0	0.0	0.0			899.1		
35]	13210992	SEBREE	1146.0	0.0	0.0	and the day was a surprise for a second	page agraed in department of the control of the con	0.0	0.0	
46]		ANDERSON DAM POWER	0.0	5.9	0.1			0.0		
47]	99999080	ANDSN UNCONTRACTED	0.0	36583.8	372.2	36956.0	0.0	0.0	0.0	
35										
49]		TOTAL	272224.0	190433.9	69107.5	259541.4	125709.4	80911.6	206621.0	
251										

TABLE 3 (CONTINUED). 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS. (ACRE-FEET)

[9]	· · · · · · · · · · · · · · · · · · ·		Talanian and N. P. Sterra and a second and a second	2012/2014								
[10]			*ANDERSON	RANCH LAS	T FILL *	* LUCKY	PEAK LAST	FILL -*	*	- TOTAL -	*	
111	NUMBER	USER	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	CARRYOVER	NEW FILL	STORAGE	
12												
13	13189600	TRINITY SPRINGS	0.0	0.0	0.0	0.0	0.0	0.0	786.4	13.6	800.0	
	13199804	OSPREY	0.0	0.0	0.0	0.0	0.0	0.0	251.3	48.7	300.0	
115)	13199924	WILDERNESS RANCH	0.0	0.0	0.0	0.0	0.0	0.0	177.0	23.0	200.0	
[16]	13201050	LUCKY PEAK NURSERY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190.0	190.0	<i>u</i>
[17]	13201990	F&G INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	25325.6	23352.9		¥. (-)
[15]	13201991	USBR INSTREAM	0.0	0.0	0.0	0.0	0.0	0.0	55588.6		104635.8	
[13]	13203000	NEW YORK	0.0	0.0	0.0	0.0		0.0	130913.3	300449.0	431362.3	\mathfrak{F}
[20]	13203527	SURPRIS VY/MICRON	0.0	0.0	0.0	0.0	0.0	0.0	2948.9	51.1	3000.0	
[21]	13203760	RIDENBAUGH	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6280.7	6280.9	+)
[22]	13204005	BUBB	0.0	0.0	0.0	0.0		0.0	522.0	9.0		
[22]	13204060	ROSSI MILL	0.0	0.0	0.0	0.0		0.0	280.9	19.1		
[24]	contracting the second contracting the second contracting	BOISE CITY	0.0	0.0	0.0	0.0		0.0	666.6	33.4		an -
[28]		UNITED WATER	0.0	0.0	0.0	0.0		0.0	0.0	682.0	682.0	(4)
[25]	13205515	SETTLERS	0.0	0.0	0.0	0.0		0.0	7778.4	3622.5	(11400.9	(1)
[27]	revenue ministrario del del como como como como como como como com	FAIRVIEW ACRES	0.0	0.0	0.0	0.0		0.0	1159.5	340.5	1500.0	4 0
[28]	13205622	THURMAN MILL	0.0	0.0	0.0	0.0		0.0	550.4	249.6	800.0	~
[20]		FARMERS UNION	0.0	0.0	0.0	0.0		0.0	0.0	7519.2	7519.2 (
[30]	processing a real residence of the engineering of the first processing and	BOISE VALLEY	0.0	0.0	0.0	0.0		0.0	1883.2	774.7	2657.9 (
[31]	13205643	CAPITOL VIEW	0.0	0.0	0.0	0.0		0.0	215.0	75.5	290.5 (Ð
[32]		NEW DRY CREEK	0.0	0.0	0.0	0.0		0.0	3617.4	239.4	3856.8	<u>ڭ</u>
38		NEW UNION	0.0	gat tides extractes on our room plant persons in one	0.0	0.0	and read the form and generally and the contracts	0.0	586.6	13.4		
[34]		WARM SPRINGS	0.0	0.0	0.0			0.0	30.5	28.7		
[38]		BALLENTYNE	0.0	0.0	0.0	0.0		0.0	786.5	575.2	1361.7	5)
[36]		CONWAY-HAMMING	0.0	0.0	0.0	0.0		0.0	15.7	11.4	27.1	
[37]		MACE-CATLIN	0.0	0.0	0.0	0.0		0.0	488.3	90.8		->
[38]		HART-DAVIS	0.0	0.0	0.0			0.0	39.1	141.6	180.7	シ
39	mentioners were filtered a blocks of the contract of the contr	MIDDLETON	0.0	0.0	0.0	0.0	atau and the analysis of the second	0.0	8296.0	204.0	8500.0	
[40]		SEVEN SUCKERS	0.0	0.0	0.0	0.0		0.0	126.3	21.0	147.3	3
[3]	13209480		0.0	0.0	0.0	0.0		0.0	31043.6	24740.0	55783.6	5)
1421		EUREKA #1	0.0	0.0	0.0	0.0		0.0	1094.5	705.5	1800.0	
[40]		LITTLE PIONEER	0.0		0.0	0.0		0.0	1280.9	273.0	1553.9	<i>+</i> /
		CANYON COUNTY	0.0		0.0	0.0		0.0	3100.9	899.1	4000.0	
45	13210992	enega a la casa en quas a com quiene que en entre en decembra com estra entre en 1900/99/1909/	0.0	Approvate reconstruction of the reservoir	0.0	0.0	and the control of th	0.0	0.0	1146.0	1146.0	
46		ANDERSON DAM POWER		0.0	0.0			0.0	5.9	0.1		
[47]	99999080	ANDSN UNCONTRACTED	0.0	0.0	0.0	0.0	0.0	0.0	36583.8	372.2	36956.0	
146	**********************************								226242 2	400040 1	720206 4	
[48]	TOT.	AL	0.0	0.0	0.0	0.0	0.0	0.0	316143.3	422243.1	138386.4	

TABLE 4. 2013 BOISE RIVER RESERVOIR NET STORAGE BY USER. (ACRE-FEET)

	NUMBER	USER	ARROWROCK	ANDERSON	LUCKY PEAK	SUBTOTAL	TRANSFERS	RNT POOL	TOTAL 2	AFTER LOSS
	13189600	TRINITY SPRINGS	0.0	786.0	0.0	786.0	0.0	0.0	786.0	780.5
	13199804	OSPREY	0.0	0.0	295.7	295.7	0.0	0.0	295.7	293.6
		WILDERNESS RANCH	0.0	0.0	197.1	197.1	0.0	0.0	197.1	195.8
		LUCKY PEAK NURSERY	188.4	0.0	0.0	188.4	0.0	0.0	188.4	187.1
	13201990	F&G INSTREAM	0.0	0.0	47983.5	47983.5	0.0	0.0	47983.5	47983.5
		USBR INSTREAM	0.0	0.0	103141.9	103141.9	0.0	0.0	103141.9	103141.9
on the Astronomy of the State o	CANADA CONTRACTOR CONT		239331.4	186726.6	0.0	426058.0	0.0	0.0	426058.0	423075.5
		SURPRIS VY/MICRON	0.0	2947.7	0.0	2947.7	0.0	0.0	2947.7	2927.0
		RIDENBAUGH	3762.7	2443.5	0.0	6206.2	0.0	0.0	6206.2	6162.8
	13204005		0.0	521.7	0.0	521.7	0.0	0.0	521.7	518.1
		ROSSI MILL	0.0	0.0	295.7	295.7	0.0	0.0	295.7	293.6
		BOISE CITY	0.0	0.0	690.0	690.0	0.0	0.0	690.0	685.2
province district value and con-	ويستند وسوري ويداموه بالمصادة فالتناها الطاه ويسومه وفائه	UNITED WATER	0.0	165.3	506.4	671.7	0.0	1500.0	2171.7	2156.5
	13205515	SETTLERS	2646.0	2193.9	6407.2	11247.1	0.0	0.0	11247.1	11168.4
		FAIRVIEW ACRES	0.0	0.0	1478.6	1478.6	0.0	0.0	1478.6	1468.2
	لعاور والعرور ومنوان أستمامهم والمراوي المراور والمراوية والمراوية	THURMAN MILL	0.0	0.0	788.6	788.6	0.0	0.0	788.6	783.1
	13205640	FARMERS UNION	2756.1	924.3	3745.3	7425.6	0.0	0.0	7425.6	7373.7
	13205641	BOISE VALLEY	0.0	155.2	2464.3	2619.5	0.0	-1500.0	1119.5	1111.6
	regressive and progressive and a second control of the second control of	CAPITOL VIEW	0.0	285.5	0.0	285.5	0.0	0.0	285.5	283.5
		NEW DRY CREEK	0.0	841.9	2957.2	3799.1	0.0	0.0	3799.1	3772.5
		NEW UNION	0.0	0.0	591.4	591.4	0.0	0.0	591.4	587.3
	13206220	WARM SPRINGS	0.0	0.0	58.4	58.4	0.0	0.0	58.4	58.0
	13206265	BALLENTYNE	0.0	60.6	1281.4	1342.1	0.0	0.0	1342.1	1332.7
		CONWAY-HAMMING	0.0	0.0	26.7	26.7	0.0	0.0	26.7	26.5
and the second second	13206292	MACE-CATLIN	0.0	0.0	570.8	570.8	0.0	0.0	570.8	566.8
	13208450	HART-DAVIS	0.0	0.0	178.1	178.1	0.0	0.0	178.1	176.8
	13208710	MIDDLETON	0.0	0.0	8378.6	8378.6	0.0	0.0	8378.6	8320.0
	13208740	SEVEN SUCKERS	0.0	0.0	145.2	145.2	0.0	0.0	145.2	144.2
	13209480	PHYLLIS	20158.4	19118.2	15771.6	55048.2	0.0	0.0	55048.2	54662.9
	13209482	EUREKA #1	0.0	0.0	1774.3	1774.3	0.0	0.0	1774.3	1761.9
	13209630	LITTLE PIONEER	0.0	1526.8	0.0	1526.8	0.0	0.0	1526.8	1516.1
	13209990	CANYON COUNTY	0.0	0.0	3942.9	3942.9	0.0	0.0	3942.9	3915.3
	13210992	SEBREE	1136.6	0.0	0.0	1136.6	0.0	0.0	1136.6	1128.6
	99999050	ANDERSON DAM POWER	0.0	5.9	0.0	5.9	0.0	0.0	5.9	5.9
	99999080	ANDSN UNCONTRACTED	0.0	36311.4	0.0	36311.4	0.0	0.0	36311.4	36311.4
		TOTAL	269979.6	255014.5	203671.1	728665.2	0.0	0.0	728665.2	724876.6

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TABLE 5. 2013 BOISE RIVER RESERVOIR STORAGE ACCOUNTS - OCTOBER 31. (ACRE-FEET)

economic account documents are not a		BEGINNING	MONTH OF THE PARTY	MINE THE STREET	proper filteration property and the contract of the contract o	UNUSED		and the second of the contract	ANDERSON		+1124643964442324396495996494964949494949444444444444444
NUMBER	USER	STORAGE	USED	OCT 31	TRANSFERS	BANK	USED	UNUSED	CARRYOVER	CARRYOVER	
13189600	TRINITY SPRINGS	780.5	0.0	780.5	0.0	0.0	0.0	0.0	780.5	0.0	
13199804	OSPREY	293.6	42.7	250.9	0.0	0.0	0.0	0.0	0.0	250.9	and the set the set of
13199924	WILDERNESS RANCH	195.8	19.0	176.8	0.0	0.0	0.0	0.0	0.0	176.8	
13201050	LUCKY PEAK NURSERY	187.1	3.7	183.4	0.0	0.0	0.0	183.4	0.0	0.0	
	F&G INSTREAM	47983.5	52.0	47931.5	0.0	0.0	0.0	0.0	0.0	47931.5	
	USBR INSTREAM	103141.9		103037.9		0.0	0.0	0.0	0.0	103037.9	
	NEW YORK		434474.0		0.0	0.0	11478.8	0.0	0.0	0.0	
	SURPRIS VY/MICRON	and providing the contract of the providing the contract of th	0.1			0.0	0.0	0.0	2926.9	0.0	
	RIDENBAUGH		36116.2				30164.6	0.0	0.0	0.0	
	WILLIAMS PARK	0.0	14.4	-14.4	0.0	0.0	14.5	0.0	0.0	0.0	
13204005		518.1	Agringment of the contract of	erman and the processing the entrement of	genaniek bereten a berarrana (a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0.0	0.0	0.0	518.1	0.0	
	ROSSI MILL	293.6	7.8			0.0	0.0	0.0	0.0	285.8	
	BOISE CITY	685.2	19.3	265.8 665.9	0.0	0.0	0.0	0.0	0.0	665.9	
	UNITED WATER	2156.5	4207.0		paging and references to the control of the control		2065.0	0.0	0.0	0.0	and the second control of the second second control of the second
	UNITED WATER	0.0		-2050.5		0.0	5.9	0.0	0.0	0.0	
			5.9				0.0			4417.6	
	SETTLERS	11168.4	6750.8	4417.6	0.0	0.0		0.0	0.0	and an experience of the second contracts	
	FAIRVIEW ACRES	1468.2	310.3	1157.9		0.0	0.0	0.0	0.0	1157.9	
	THURMAN MILL	783.1	233.5	549.6		0.0	0.0	0.0	0.0	549.6	
and a significant print the contract of the	FARMERS UNION	and the second part of the manufacture and other in-	16356.3			0.0	and a line of the local contraction of	0.0	0.0	0.0	green handa had and a turner or graphs to be odd an excellent. The West
	BOISE VALLEY	1111.6	0.0			0 0	0.0	0.0	0.0	1111.6	
	CAPITOL VIEW	283.5	0.0	283.5		0.0	0.0	0.0	283.5	0.0	
13205984	RIVERSIDE VILL	0.0	18.9	-18.9	for the animal and recognitive that the second of the seco	0.0	19.0	0.0	0.0	0.0	ngungin Singgangga saungungan melangggggas saung managan di pagan mangan pengan menganggan pengangan mengangga
13206090	NEW DRY CREEK	3772.5	579.8	3192.7	0.0	0.0	0.0	0.0	235.5	2957.2	
13206092	NEW UNION	587.3	0.0	587.3	0.0	0.0	0.0	0.0	0.0	587.3	
13206220	WARM SPRINGS	58.0	29.8	28.2	0.0	0.0	0.0	0.0	0.0	28.2	
13206260	GRAHAM-GILBERT	0.0	18.5	-18.5	0.0	0.0	18.6	0.0	0.0	0.0	
13206265	BALLENTYNE	1332.7	854.7	478.0	0.0	0.0	0.0	0.0	0.0	478.0	
13206270	CONWAY-HAMMING	26.5	10.9	15.6	0.0	0.0	0.0	0.0	0.0	15.6	
13206290	THOMAS AIKEN	0.0	32.4	-32.4	0.0	0.0	32.6	0.0	0.0	0.0	
13206292	MACE-CATLIN	566.8	1.0	565.8	0.0	0.0	0.0	0.0	0.0	565.8	
	MACE-MACE	0.0	27.3	-27.3	0.0	0.0	27.5	0.0	0.0	0.0	
and the continue of the continue of	HART-DAVIS	176.8		-81.1	0.0	0.0	81.6	0.0	0.0	0.0	and the second s
	MIDDLETON	8320.0	0.0		-	0.0	0.0	0.0	0.0	8320.0	
	SEVEN SUCKERS	144.2	18.0	126.2		0.0	0.0	0.0	0.0	126.2	
13209480	placegrania ministraria a conservações que entrara a termo a como a como deporte telestigat de teles	обилотического техного вымого и политического с	29212.8		anagagagangangangan pagpanaga, ing ipingan awawa in	0.0	0.0	0.0	9678.5	15771.6	uu neera taan ka ka ay ay ka ay ay ka ahaa ah ka ahaa ah
	EUREKA #1	1761.9	669.3			0.0	0.0	0.0	0.0	1092.6	
	LITTLE PIONEER	1516.1	88.1			0.0	0.0	0.0	1428.0	0.0	
	CANYON COUNTY	3915.3	633.4			0.0	0.0	0.0	0.0	3281.9	
13210992		1128.6				0.0	0.0	993.1	0.0	0.0	
	ANDERSON DAM POWER					0.0	0.0	0.0	5.9	0.0	
	ANDERSON DAM POWER ANDSN UNCONTRACTED	36311.4		36311.4	and gggardere reactive and the contraction of the contraction.	0.0	0.0	0.0	36311.4	0.0	والمستقولة والمعاددة والمستقولة و
	FLOW AUGMENTATION	0.0					51867.1	0.0	0.0	0.0	
53999200	FLOW AUGMENTATION	0.0	21204.0	-21204.0	0.0	0.0	J.607.1	0.0	0.0	0.0	
	' moma t	724876.6	E02000 2	142067 2	0.0	0.01	04821.3	1176.5	52168.3	192810.0	, ,
	TOTAL	124010.0	J0Z0UJ.3	14400/.3	0.0	0.01	.0-021.3	77,017	2210012		

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[16]		715
[17]		17
13 13 13 15 15 17 18 19		9.53
[19]		139
[26]		120
[21]	TABLE 6. 2013 WATER DISTRICT 63 RESERVOIR TOTAL STORAGE - OCTOBER 31 (ACRE-FEET)	1.00
122	THE CONTRACT	120
20 21 22 23 24 25 28 27 26		# # # # # # # # # # # # # # # # # # #
73	RESERVOIR CARRYOVER LATE FILL TOTAL	
[58]		126
LILLI FOR I	ARROWROCK 1176.5 0.0 1176.5	319
157	ANDERSON RANCH 52168.3 0.0 52168.3	155
LAG L	LUCKY PEAK 192810.0 0.0 192810.0	104
LANI IANI	ANDERSON LST FIL 0.0 0.0 0.0	100
[20] [30]	LUCKY PEAK LST FIL 0.0 0.0 0.0	155
1371	BUCKI FEAK IST FIII V.U U.U U.U	
	TOTAL 246154.8 0.0 246154.8	170
124	101AL 240154.0 0.0 240154.0	124
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