



Photo courtesy of Kootenai Tribe

# Idaho Water Resource Board

Meeting No. 8-14  
July 18, 2014  
Bonners Ferry, Idaho

## **MEDIA**



## **WORK SESSION IN PREPARATION FOR IWRB MEETING NO. 8-14**

July 17, 2014 at 8:00 am  
Kootenai River Inn  
Riverview Building  
7169 Plaza Street, Bonners Ferry, ID 83805

### **WORK SESSION AGENDA**

1. Financial Status Report
2. Review of A&B Irrigation District Loan Request ([see Tab 10 under IWRB Meeting](#))
3. Island Park and Storage Studies Update ([See Tab 11 under IWRB Meeting](#))
4. North Idaho Future Water Demand ([See Tab 6 under IWRB Meeting](#))
  - a. Future Water Demand Study Proposal
  - b. Water Rights Discussion
5. State Water Plan ([See Tab 15 under IWRB Meeting](#))
6. Project and Program Tracking and Reporting
7. ESPA Recharge Strategic Planning

*----The Board will break for lunch at approximately 12:00 pm----*

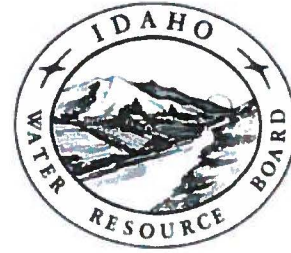
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1:00 pm: IWRB Field Trip on Kootenai River (*IWRB members, IDWR staff, and invited guests*)

#### **Americans with Disabilities**

The meeting will be held in facilities that meet the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email [Mandi.Pearson@idwr.idaho.gov](mailto:Mandi.Pearson@idwr.idaho.gov) or by phone at (208) 287-4800.

# MEMO



**To:** Idaho Water Resource Board  
**From:** Brian Patton  
**Subject:** Financial Status Report  
**Date:** July 8, 2014

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As of **July 1st** the IWRB's available and committed balances in the Revolving Development Account, Water Management Account, and the Secondary Aquifer Management Account are as follows.

*Revolving Development Account (main fund)*

Committed but not disbursed	
Loans for water projects	\$2,796,370
Water storage studies	1,465,197
Aqualife Hatchery, HB644 2014	1,635,000
HB479 2014	
Mountain Home	3,995,500
Galloway	2,000,000
Boise/Arrowrock	1,500,000
Island Park	2,500,000
Water supply Bank	500,000
Total committed but not disbursed	16,392,068
Loan principal outstanding	7,719,517
Uncommitted balance	4,460,371
Estimated revenues next 12 months	3,200,000
Commitments from revenues next 12 months	0
Estimated uncommitted funds over next 12 months	7,660,371

*Rev. Dev. Acct. Bell Rapids Sub-Account*

Committed but not disbursed	\$180,509
Estimated revenues next 12 months (1)	2,000
Commitments from revenues over next 12 months	2,000
Estimated uncommitted funds over next 12 months	0

*Rev. Dev. Acct. Pristine Springs Sub-Account (5)*

Committed but not disbursed	
Repair fund	\$1,007,428
ESPA CAMP	716,000 (to be transferred to Secondary
Aquifer Fund)	
Total committed but not disbursed	\$1,723,428
Loan principal outstanding	7,127,940
Uncommitted balance	0
Estimated revenues next 12 months	900,000
Commitments from revenues over next 12 months	900,000
Estimated uncommitted funds over next 12 months	0

<i>Rev. Dev. Acct. Treasure Valley &amp; Rathdrum Prairie CAMP Sub-Account</i>		
Committed but not disbursed		\$63,028
Available -Reserved for RP and TV CAMP projects		178,745
Estimated revenues next 12 months (5)		200,000
Estimated Available funds over next 12 months		378,745
<i>Rev. Dev. Acct. Upper Salmon/CBWTP Sub-Account</i>		
Committed but not disbursed		\$2,640,468
(Upper Salmon flow enhancement/reconnect projects)		
Estimated revenues next 12 months (4)		30,000
Commitments from revenues over next 12 months		30,000
Estimated available funds over next 12 months		0
<i>Rev. Dev. Acct. Water District 02 Water Smart Grant Sub-Account (6)</i>		
Committed but not disbursed		\$114,663
(Water District 02 Measurement Devices)		
Commitments from revenues over next 12 months		\$114,663
Estimated available funds over next 12 months		0
<i>Rev. Dev. Acct. Water Supply Bank Sub-Account (7)</i>		
Committed but not disbursed		\$523,203
(Owners share – water bank lease/rentals)		
Estimated revenues next 12 months		1,000
Commitments from revenues over next 12 months		\$523,203
Estimated available funds over next 12 months		\$1,000
<i>Rev. Dev. Acct. ESPA Sub-Account</i>		
Committed but not disbursed		
CREP	2,419,581	
Aquifer recharge	343,494	
Bell Rapids	361,620	
Palisades storage	10,000	
Black Canyon Exchange	529,445	
Total committed but not disbursed		\$3,664,140
Loan principal outstanding		299,295
Uncommitted balance		438,941
Estimated revenues next 12 months		120,000
Commitments from revenues over next 12 months		0
Estimated uncommitted funds over next 12 months		558,941
<i>Rev. Dev. Acct. Dworshak Hydropower (2)</i>		
Committed but not disbursed (repair fund, etc.)		\$1,337,151
Estimated revenues next 12 months (3)		200,000
Commitments from revenues over next 12 months		200,000
Estimated uncommitted funds over next 12 months		0
<i>Water Management Account</i>		
Committed but not disbursed:		\$111,376
Loan principal outstanding		0
Uncommitted balance		9,915
Estimated revenues next 12 months		0
Commitments from revenues over next 12 months		0
Estimated uncommitted funds over next 12 months		\$9,915

*Secondary Aquifer Management Fund*

Committed but not disbursed:

HB 479 2014	
ESPA Managed Recharge Infrastructure	4,000,000
Northern Idaho Future Water Needs	500,000
Recharge wheeling fees	1,215,432
Recharge sites	130,615
Other	212,937
Total Committed	\$6,058,984
Uncommitted balance	2,540,746
Estimated revenues next 12 months	900,000
Commitments from revenues over next 12 months	0
Estimated uncommitted funds over next 12 months	3,440,746

<b>Total committed but not disbursed</b>	<b>\$33,809,026</b>
<b>Total loan principal outstanding</b>	<b>15,156,752</b>
<b>Total uncommitted balance</b>	<b>7,629,614</b>
<b>Total estimated uncommitted funds over next 12 months</b>	<b>12,049,718</b>

- (1) Exclusive of pass-through payments made by the U.S. Bureau of Reclamation.
- (2) Excess funds generated by the Dworshak Hydropower Project are deposited into the Revolving Development Account (Main Fund) on a monthly basis. To the date of this report this has totaled \$2,597,672.
- (3) This line item includes power sales and interest income after removing debt service. Debt service is paid prior to the funds being deposited in the Revolving Development Account.
- (4) Exclusive of project funds provided by Bonneville Power Administration or federal appropriation sources. These funds are provided to the Board based on individual project proposals and so are not included in the income projection.
- (5) Excess funds generated by the Pristine Springs Project are deposited into the Revolving Development Account (Main Fund) or into the Rathdrum Prairie/Treasure Valley Sub Account. To the date of this report this has totaled \$42,061 in the Revolving Development Account Main Fund and \$271,672 into the RP/TV Sub-Account.
- (6) Pass-through for Bureau of Reclamation grant to assist with installation of measurement devices in Water District 02.
- (7) Pass-through for owners share of Water Supply Bank lease/rentals. Interest earned accrues to IWRB.

**The following is a list of potential loans:**

Potential Applicant	Potential Project	Preliminary Loan Amount	Comment
Northside Pumping Company	Rebuild pump plant and rehab system	\$2 million	Project in planning. Applying for NRCS cost share grants
Raft River Ground Water District	Ground water-to-surface water conversion pipeline	\$4 million	Project in planning. Applying for NRCS cost share grants.
Marysville Irrigation Company/North Fremont	Gravity pipeline system – next phase	\$1.5 million	Project in planning and design. Applying for NRCS cost share grants
Jefferson Irrigation Company	Ground water well reconstruction	\$200,000	September IWRB meeting

IDAHO WATER RESOURCE BOARD  
Sources and Applications of Funds  
as of June 30, 2014  
REVOLVING DEVELOPMENT ACCOUNT

Original Appropriation (1969).....	\$500,000.00
Legislative Audits.....	(\$49,404.45)
IWRB Bond Program.....	(\$15,000.00)
Legislative Appropriation FY90-91.....	\$250,000.00
Legislative Appropriation FY91-92.....	\$280,700.00
Legislative Appropriation FY93-94.....	\$500,000.00
IWRB Studies and Projects.....	(\$249,067.18)
Loan Interest.....	\$6,838,201.63
Interest Earned State Treasury (Transferred).....	\$1,647,961.48
Filing Fee Balance.....	\$47,640.20
Bond Fees.....	\$1,469,601.45
Arbitrage Calculation Fees.....	(\$12,000.00)
Protest Fees.....	(\$475.00)
Series 2000 (Caldwell/New York) Pooled Bond Issuers fees.....	\$43,657.93
2012 Ground Water District Bond Issuer fees.....	\$377,000.00
Bond Issuer fees.....	\$39,999.59
Attorney fees for Jughandle LID.....	(\$3,600.00)
Water Supply Bank Receipts.....	\$3,853,674.50
Legislative Appropriation FY01.....	\$200,000.00
Pierce Well Easement.....	\$2,000.00
Transferred to/from Water Management Account.....	\$317,253.80
Legislative Appropriation 2004, HB843.....	\$500,000.00
Legislative Appropriation 2009, SB 1511 Sec 2, Teton/Minidoka Studies.....	\$1,800,000.00
Legislative Appropriation 2009, SB 1511 Sec 2, Teton/Minidoka Studies Expenditures.....	(\$1,229,460.18)
Weiser Galloway Study - US Army Corps of Engineers.....	(\$1,597,099.12)
Boise River Storage Feasibility Study.....	(\$74,861.09)
Legislative Appropriation 2014, HB 479 Sec 1 and 2.....	\$10,500,000.00
Appraisal - Mountain Home Water rights.....	(\$4,500.00)
<b>Bell Rapids Water Rights Sub-Account</b>	
Legislative Appropriation 2005, HB392.....	\$21,300,000.00
Interest Earned State Treasury.....	\$692,649.73
Bell Rapids Purchase.....	(\$16,006,558.00)
Bureau of Reclamation Principal Amount Lease Payment Paid.....	\$8,294,337.54
Bureau of Reclamation Interest Paid.....	\$179,727.97
Bureau of Reclamation Remaining Amount Lease Payment Paid.....	\$9,142,649.54
First Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Second Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Third Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Fourth Installment Payment to Bell Rapids.....	(\$1,040,431.55)
Interest Credit due to Bureau of Reclamation (Part of Fourth Installment).....	(\$19,860.45)
Fifth Installment Payment to Bell Rapids.....	(\$1,055,000.00)
Transfer to General Fund - Principal.....	(\$21,300,000.00)
Transfer to General Fund - Interest.....	(\$772,052.06)
BOR payment for Bell Rapids.....	\$1,040,431.55
BOR payment for Bell Rapids.....	\$1,313,236.00
BOR prepayment for Bell Rapids.....	\$1,302,981.70
BOR prepayment for Bell Rapids.....	\$1,055,000.00
BOR payment for Alternative Financing Note.....	\$7,117,971.16
Payment to US Bank for Alternative Financing Note.....	(\$7,118,125.86)
Payment for Ongoing Bell Rapids Finance Costs (trustee fees, water bank, etc.).....	(\$6,740.10)
<b>Commitments</b>	
Ongoing Bell Rapids Finance Costs (trustee fees, etc.).....	\$180,509.17
Committed for alternative finance payment.....	\$0.00
<b>Total Commitments.....</b>	<b>\$180,509.17</b>
<b>Balance Bell Rapids Water Rights Sub-Account.....</b>	<b>(\$0.00)</b>
<b>Pristine Springs Project Sub-Account</b>	
Legislative Appropriation 2008, SB1511, Pristine Springs.....	\$10,000,000.00
Legislative Appropriation 2006, HB870, Water Right Purchases.....	\$5,000,000.00
Interest Earned State Treasury.....	\$35,040.10
Loan Interest.....	\$1,778,809.73
Transfer from ESP Sub-Account.....	\$1,000,000.00
Payment for Purchase of Pristine Springs (3).....	(\$16,000,000.00)
Payment from Magic Valley & Northsnake GWD for Pristine Springs.....	\$3,252,948.42
Appraisal.....	(\$25,500.00)
Insurance.....	(\$26,246.25)
Recharge District Assessment.....	(\$24,171.45)
Water District 130 Annual Assessment.....	(\$3,841.45)
Hydro Plants Engineering Certification (Straubhar).....	(\$3,000.00)
Payment to EHM Engineers for pipeline work.....	(\$1,200.00)
Payment to John Root for Easement Survey.....	(\$1,000.00)
Payment to MWH Americas Inc.....	(\$11,326.27)
Telemetry Station Equipment.....	(\$15,193.92)
Rein Tech LLC (Satellite phone annual payment).....	(\$990.00)
Standley Trenching (Trac system for communication equip).....	(\$2,783.99)
Property Taxes and other fee assessments (Jerome County).....	(\$6,635.15)
Rental Payments.....	\$1,437,947.46
Payments to Scott Kaster.....	(\$47,021.25)
Utility Payments (Idaho Power).....	(\$32,365.84)
Costs for property maintenance.....	(\$31,512.60)
Travel costs for property maintenance.....	(\$351.30)
Pipeline repair (IGWA).....	(\$170,000.00)
Transferred to Secondary Aquifer Fund (2011 Legislature; HB 291).....	(\$2,465,300.00)
Transferred to Secondary Aquifer Fund (2012 Legislature; SB 1389).....	(\$1,232,000.00)
Transferred to Secondary Aquifer Fund (2013 Legislature; HB 270).....	(\$716,000.00)
<b>Pristine Springs Hydropower Projects</b>	

Net power sales revenues.....		\$348,854.97	
Pristine Springs Committed Funds			
ESPA CAMP (to be transferred to Secondary Fund).....	716,000.00		
Repair/Replacement Fund.....	\$1,007,427.96		
TOTAL COMMITTED FUNDS.....	\$1,723,427.96		
Loans Outstanding			
North Snake and Magic Valley Ground Water Districts.....	\$7,127,940.18		
Total Loans Outstanding.....	\$7,127,940.18		
Funds to RP CAMP & TV CAMP Sub-Account .....		\$271,672.34	
Pristine Springs Revenues Into Main Revolving Development Account.....			\$42,060.91
<b>Rathdrum Prairie CAMP &amp; Treasure Valley CAMP Sub-Account</b>			
Pristine Springs Hydropower and Rental Revenues.....		\$271,672.34	
Interest Earned State Treasury.....		\$573.11	
Spokane River Forum.....		(\$3,000.00)	
Treasure Valley Water Quality Summit.....		(\$500.00)	
Kootenai-Shoshone Soil & Water Cons. Dist. - Agrimet Station.....		(\$9,000.00)	
Rathdrum Prairie-Spokane Valley Aquifer Pumping Study.....		(\$17,972.44)	
Committed Funds.....			
Kootenai-Shoshone Soil & Water Cons. Dist. - Agrimet Station.....	\$11,000.00		
Rathdrum Prairie-Spokane Valley Aquifer Pumping Study.....	\$52,027.56		
Treasure Valley Water Quality Summit.....	\$0.00		
TOTAL COMMITTED FUNDS.....	\$63,027.56		
Balance Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account.....		\$178,745.45	
<b>Upper Salmon/CBWTP Sub-Account</b>			
Water Transaction Projects Payment Advances from CBWTP/Accord .....		\$2,846,171.47	
PCSRF Funds for Administration of Non-Diversion Easements on Lemhi River.....		\$237,807.26	
Interest Earned State Treasury.....		\$98,971.87	
Transfer to Water Supply Bank.....		(\$54,088.93)	
Change of Ownership.....		(\$600.00)	
Alturas Lake Creek Appraisal.....		(\$8,989.23)	
Payments for Water Acquisition .....		(\$478,804.14)	
Committed Funds			
Administration of Non-Diversion Easements on Lemhi River.....	\$151,326.69		
Bayhorse Creek.....	\$36,028.87		
Beaver Creek (DOT LLP).....	\$6,182.22		
Big Hat Creek.....	\$96.89		
Big Timber Tyler (Leadore Land Partners).....	\$544,986.15		
Canyon Creek/Big Timber Creek (Beyeler).....	\$499,125.73		
Fourth of July Creek (Vanderbilt).....	\$19,754.10		
Iron Creek (Phillips).....	\$274,786.50		
Kenney Creek Source Switch.....	\$27,256.06		
Lemhi - Big Springs.....	\$67,338.50		
Lemhi River & Little Springs Creek (Kauer).....	\$23,930.78		
Little Springs Creek (Snyder).....	\$320,073.96		
Lower Eighteenmile Creek (Ellsworth Angus Ranch).....	\$3,555.56		
Lower Lemhi Thomas (Robert Thomas).....	\$2,400.00		
P-9 Bowles (River Valley Ranch).....	\$349,180.43		
P-9 Charlton (Sydney Downton).....	\$23,112.36		
P-9 Downton (Jim Downton Ranch).....	\$276,959.57		
P-9 Elzinga (Elzinga).....	\$342,576.34		
Patterson-Big Springs (PBSC9).....	\$208,584.51		
Sulphur Creek.....	\$2,171.52		
Spring Creek RE Beard.....	\$3,182.76		
Whitefish (Leadore Land Partners).....	\$214,345.93		
Total Committed Funds.....	\$3,396,955.43		
Balance CBWTP Sub-Account.....		(\$756,487.13)	
<b>Water District 02 WaterSmart Grant Sub-Account</b>			
Received from BOR.....		\$37,336.76	
Payments made to contractors.....		(\$37,336.76)	
Committed Funds:			
Grant Approval.....	\$114,663.24		
Total Committed Funds.....	\$114,663.24		
Balance WaterSmart Grant Sub-Account.....		\$0.00	
<b>Water Supply Bank Sub-Account</b>			
Payments received from renters for 2013 season.....		\$529,823.25	
Payments received from renters for 2014 season.....		\$525,816.85	
Payments made to owners for 2013 season.....		(\$522,645.12)	
Payments made to owners for 2014 season.....		(\$9,792.00)	
Interest Earned State Treasury.....		\$895.98	
Committed Funds:			
Owners Share.....	\$523,202.98		
Total Committed Funds.....	\$523,202.98		
Balance Water Supply Bank Sub-Account.....		\$895.98	
<b>Eastern Snake Plain Sub-Account</b>			
Legislative Appropriation 2005, HB392.....		\$7,200,000.00	
Legislative Appropriation 2005, HB392, CREP Program.....		\$3,000,000.00	
Interest Earned State Treasury.....		\$1,895,254.19	
Loan Interest.....		\$207,230.67	
Bell Rapids Water Rights Closing Costs.....		(\$6,558.00)	
First Installment Payment to Bell Rapids Irr. Co. (Partial).....		(\$361,800.00)	
Second Installment Payment to Bell Rapids Irr. Co. (Partial).....		(\$361,800.00)	
Third Installment Payment to Bell Rapids Irr. Co. (Partial).....		(\$361,800.00)	
Fourth Installment Payment to Bell Rapids Irr. Co. (Partial).....		(\$614,744.00)	
Fifth Installment Payment to Bell Rapids Irr. Co. (Final).....		(\$1,675,036.00)	
Reimbursement from Commerce & Labor W-Canal.....		\$74,709.77	
Transfer to Pristine Springs Sub Account.....		(\$1,000,000.00)	
Reimbursement from Magic Valley GWD - Pristine Springs.....		\$500,000.00	
Reimbursement from North Snake GWD - Pristine Springs.....		\$500,000.00	

Reimbursement from Water District 1 for Recharge.....	\$159,764.73	
Palisades (FMC) Storage Costs.....	(\$3,513,078.26)	
Reimbursement from BOR for Palisades Reservoir.....	\$2,381.12	
W-Canal Project Costs.....	(\$326,834.11)	
Black Canyon Exchange Project Costs.....	(\$71,680.00)	
Black Canyon Exchange Project Revenues.....	\$23,800.00	
2008 Recharge Conveyance Costs.....	(\$14,580.00)	
2009 Recharge Conveyance Costs.....	(\$355,253.00)	
2010 Recharge Conveyance Costs.....	(\$484,231.62)	
Additional recharge projects preliminary development	(\$6,505.89)	
Pristine Springs Cost Project Costs.....	(\$6,863.91)	
<b>Loans and Other Commitments</b>		
Commitment - Remainder of Bell Rapids Water Rights Purchase (1).....	\$361,620.00	
Commitment - CREP Program (HB392, 2005).....	\$2,419,580.50	
Commitment - Additional recharge projects preliminary development.....	\$343,494.11	
Commitment - Palasades Storage O&M.....	\$10,000.00	
Commitment - Black Canyon Exchange Project (fund with ongoing revenues).....	\$529,444.95	
<b>Total Loans and Other Commitments.....</b>	<b>\$3,664,139.56</b>	
<b>Loans Outstanding:</b>		
American Falls-Aberdeen GWD (CREP).....	\$96,701.70	
Bingham GWD (CREP).....	\$0.00	
Bonneville Jefferson GWD (CREP).....	\$62,317.68	
Magic Valley GWD (CREP).....	\$92,072.19	
North Snake GWD (CREP).....	\$48,203.07	
<b>TOTAL ESP LOANS OUTSTANDING.....</b>	<b>\$299,294.64</b>	
<b>Uncommitted Balance Eastern Snake Plain Sub-Account.....</b>	<b>\$438,941.49</b>	
<b>Dworshak Hydropower Project</b>		
Dworshak Project Revenues		
Power Sales & Other.....	\$6,251,812.94	
Interest Earned State Treasury.....	480,571.54	
<b>Total Dworshak Project Revenues.....</b>	<b>\$6,732,384.48</b>	
Dworshak Project Expenses (2)		
Transferred to 1st Security Trustee Account.....	\$148,542.63	
Construction not paid through bond issuance.....	\$226,106.83	
1st Security Fees.....	\$314,443.35	
Operations & Maintenance.....	\$1,688,156.59	
Powerplant Repairs.....	\$58,488.80	
Capital Improvements.....	\$318,366.79	
FERC Payments.....	\$43,456.05	
<b>Total Dworshak Project Expenses.....</b>	<b>(\$2,797,561.04)</b>	
Dworshak Project Committed Funds		
Emergency Repair/Future Replacement Fund.....	\$1,314,575.00	
FERC Fee Payment Fund.....	\$22,576.30	
<b>Total Dworshak Project Committed Funds.....</b>	<b>\$1,337,151.30</b>	
<b>Excess Dworshak Funds into Main Revolving Development Account.....</b>		<b>\$2,597,672.14</b>
<b>TOTAL.....</b>		<b>\$28,571,956.61</b>
<b>Loans Outstanding:</b>	<b>Amount</b>	<b>Principal</b>
	<b>Loaned</b>	<b>Outstanding</b>
Aberdeen-Springfield Canal Company (WRB-491; Diversion structure)	\$329,761	\$152,228.25
Boise City Canal Company (WRB-492)...Grove St Canal Rehab	\$110,618	\$29,997.00
Bonnie Laura Water Corporation (14-Jul-06; Well repairs).....	\$71,000	\$24,101.33
Canyon County Drainage District No. 2 ( 28-Nov-12; Drain tile pipeline	\$35,000	\$32,054.85
Challis Irrigation Company (28-Nov-07; river gate replacement).....	\$50,000	\$20,744.35
Chaparral Water Association.....	\$90,154	\$11,271.74
Chaparral Water Association (21-Jan-11; Well deepening & improvem	68,000	\$27,853.56
Cloverdale Ridge Water Corp. (irrigation system rehab 25-sep-09)....	106,400	\$63,356.56
Consolidated Irrigation Company (July 20, 2012; pipeline project).....	1,500,000.00	\$475,000.00
Country Club Subdivision Water Association (18-May-07, Well Project).	\$102,000	\$47,040.57
Cub River Irrigation Company (18-Nov-05; Pipeline project).....	\$1,000,000	\$771,280.10
Cub River Irrigation Company.....	\$500,000	\$374,620.59
Enterprise Irrigation District (14-Jul-06; Pipeline project).....	\$37,270	\$13,309.58
Enterprise Irrigation District (North Lateral Pipeline).....	\$105,420	\$44,658.95
Evergreen Terrace Water Association (water study; 25-sep-09).....	\$15,000	\$0.00
Firth, City of.....	\$112,888	\$29,512.12
Foothills Ranch Homeowners Association (7-oct-11; well rehab).....	\$150,000	\$128,960.06
Garden Valley Ranchettes Homeowners Association (25-Jan-05).....	\$2,716	\$1,326.46
Genesee, City of (Storage tank, 22-Jan-10).....	\$250,000	\$0.00
Georgetown, City of.....	\$278,500	\$0.00
Harvest Valley Homeowners Association (22-Mar-13; Pump Replacem	4,500.00	\$3,288.95
Jefferson Irrigation Company (well deepenings).....	\$207,016	\$24,043.73
Jefferson Irrigation Company (9-May-2008 Well Replacement).....	\$81,000	\$49,420.63
Jughandle HOA/Valley County Local Improvement District No. 1 (well p	\$907,552	\$720,119.76
King Hill Irrigation District (24-Sep-10; Pipeline replacement.....	\$300,000	\$106,730.14
Lake Reservoir Company (29-July-11; Payette Lake-Lardo Dam Outle	\$594,000	\$186,147.87
Last Chance Canal Company (WRB-497).....	\$500,000	\$82,519.91
Lava Hot Springs, City of.....	\$347,510	\$165,572.78
Lindsay Lateral Association (22-Aug-03).....	\$9,600	\$922.49
Lindsay Lateral Association (Engineering Design Project & Pipeline Stu	\$19,700	\$18,053.07
Live-More Lake Community (9-Jun-04).....	\$42,000	\$14,084.43
Lower Payette Ditch Company (2-Apr-04; Diversion dam replacement)	\$875,000	\$277,725.68
Marsh Center Irrigation Company (13-May-05; Hawkins Dam).....	\$236,141	\$134,768.26
Marysville Irrigation Company (18-May-07, Pipeline Project Phase 1)...	\$625,000	\$331,877.80
Marysville Irrigation Company (9-May-08, Pipeline Project Phase 2)....	\$1,100,000	\$551,866.10
McGuire Estates Water Users Association (4-Mar-05).....	\$60,851	\$14,610.10
Meander Point Subdivision Homeowners Association (7-Sep-07; com	\$330,000	\$58,236.25
Meridian Heights Water & Sewer Association (18-May-07).....	\$350,000	\$216,481.64
Mores Creek Rim Ranches Water District.....	\$221,400	\$27,282.24
New Hope Water Corporation.....	\$151,460	\$0.00
North Fremont Canal Systems (25-Jan-13; Marysville Project).....	\$2,500,000	\$1,541,272.69
Point Springs Grazing Association (July 20, 2012; storck water pipeline)	48,280.00	\$47,382.73

Preston-Whitney Irrigation Company (29-May-09; Fairview Lateral Pipe	\$800,000	\$126,617.61	
Producers Irrigation Company (17-Mar-06; well replacements).....	\$185,000	\$33,233.26	
Ranch Subdivision Property Owners Assoc.....	\$24,834	\$8,463.59	
Riverside Independent Water District .....	\$350,000	\$149,180.60	
Skin Creek Water Association.....	\$188,258	\$75,745.13	
Sourdough Point Owners Association (23-Jan-07; water supply & treat	\$750,000	\$2,999.04	
Spirit Bend Water Association.....	\$92,000	\$34,600.04	
Sunset Heights Water District (17-May-13; Exchange water project)...	\$48,000	\$47,555.59	
Thunder Canyon Owners Association (6-Feb-04).....	\$92,416	\$28,957.08	
Twin Lakes Canal Company - Winder Lateral Pipeline Project (13-Jul-0	\$500,000	\$350,383.45	
Twin Lakes Canal Company (2-Apr-04).....	\$90,000	\$8,814.82	
Whitney-Nashville Water Company.....	\$225,000	\$33,243.94	
<b>TOTAL LOANS OUTSTANDING.....</b>			<b>\$7,719,517.47</b>
<b>Loans and Other Funding Obligations:</b>			
Legislative Appropriation 2014, HB 479 Sec 1 and 2			
Mountain Home AFB Water Rights (HB479).....	\$3,995,500.00		
Galloway Dam & Reservoir Project (HB 479).....	\$2,000,000.00		
Boise River (Arrowrock Enlargement) Feasibility Study (HB479).....	\$1,500,000.00		
Island Park Enlargement (HB479).....	\$2,500,000.00		
Water Supply Bank Computer Infrastructure (HB 479).....	\$500,000.00		
Aqua Life Hatchery, HB644, 2014.....	\$1,635,000.00		
Senate Bill 1511 - Teton Replacement and Minidoka Enlargement Studies.....	\$678,161.82		
Boise River Storage Feasibility Study.....	\$325,414.93		
Weiser-Galloway Study (28-May-10).....	\$461,620.87		
Clearwater Water District - pilot plant (13-Jul-07).....	\$80,000.00		
Consolidated Irrigation Company (July 20, 2012; pipeline project).....	\$1,500,000.00		
Dover, City of (23-Jul-10; Water Intake project).....	\$194,063.00		
Lake Reservoir Company (29-July-11; Payette Lake-Lardo Dam Outlet Gates).....	\$0.00		
Lindsay Lateral Association .....	\$15,300.00		
North Fremont Canal Systems (25-Jan-13; Marysville Project).....	\$958,727.31		
Point Springs Grazing Association (July 20, 2012; storck water pipeline).....	\$48,280.00		
<b>TOTAL LOANS AND OTHER FUNDING OBLIGATIONS.....</b>			<b>\$16,392,067.93</b>
<b>Uncommitted Funds.....</b>			<b>\$4,460,371.21</b>
<b>TOTAL.....</b>			<b>\$28,571,956.61</b>

(1) Actual amount needed may vary depending on final determination of water actually purchased and interest income received.

(2) Debt service on the Dworshak Project bonds is paid before the Dworshak monies are deposited into the Revolving Development Account and is therefore not shown on this balance sheet.

Idaho Water Resource Board  
Sources and Applications of Funds  
as of June 30, 2014  
WATER MANAGEMENT ACCOUNT

Original Appropriation (1978).....	\$1,000,000.00
Legislative Audits.....	(\$10,645.45)
IWRB Appraisal Study (Charles Thompson).....	(\$5,000.00)
Transfer funds to General Account 1101(HB 130, 1983).....	(\$500,000.00)
Legislative Appropriation (6/29/1984).....	\$115,800.00
Legislative Appropriation (HB988, 1994).....	\$75,000.00
Turned Back to General Account 6/30/95, (HB988, 1994).....	(\$35,014.25)
Legislative Appropriation (SB1260, 1995, Aquifer Recharge, Caribou Dam).....	\$1,000,000.00
Interest Earned.....	\$120,475.04
Filing Fee Balance.....	\$2,633.31
Water Supply Bank Receipts.....	\$841,803.07
Bond Fees.....	\$277,254.94
Funds from DEQ and IDOC for Glenns Ferry Water Study.....	\$10,000.00
Legislative Appropriation FY01.....	\$200,000.00
Western States Wate Council Annual Dues.....	(\$7,500.00)
Tranfer to/from Revolving Development Account.....	(\$317,253.80)
Legislative Appropriation (SB1239, Sugarloaf Aquifer Recharge Project).....	\$60,000.00
Legislative Appropriation (HB 843 Sec 6).....	\$520,000.00
Legislative Appropriation (SB1496, 2006, ESP Aquifer Management Plan).....	\$300,000.00
Legislative Appropriation (HB 320, 2007, ESP Aquifer Management Plan).....	\$849,936.99
<b>TOTAL .....</b>	<b>\$4,497,489.85</b>
Grants Disbursed:	
Completed Grants.....	\$1,291,110.72
Arco, City of.....	\$7,500.00
Arimo, City of.....	\$7,500.00
Bancroft, City of.....	\$7,000.00
Bloomington, City of.....	\$4,254.86
Boise City Canal Company.....	\$7,500.00
Bonnors Ferry, City of.....	\$7,500.00
Bonneville County Commission.....	\$3,375.00
Bovill, City of.....	\$2,299.42
Buffalo River Water Association.....	\$4,007.25
Butte City, City of.....	\$3,250.00
Cave Bay Community Services.....	\$6,750.00
Central Shoshone County Water District.....	\$7,500.01
Clearwater Regional Water Project Study, City of Orofino et al.....	\$10,000.00
Clearwater Water District.....	\$3,750.00
Cottonwood Point Water and Sewer Association .....	\$7,500.00
Cottonwood, City of.....	\$5,000.00
Cougar Ridge Water & Sewer.....	\$4,661.34
Curley Creek Water Association.....	\$2,334.15
Downey, City of.....	\$7,500.00
Fairview Water District.....	\$7,500.01
Fish Creek Reservoir Company, Fish Creek Dam Study.....	\$12,500.00
Franklin, City of.....	\$6,750.00
Grangeville, City of.....	\$7,500.00
Greenleaf, City of.....	\$3,000.00
Hansen, City of .....	\$7,450.00
Hayden Lake Irrigation District.....	\$7,500.00
Hulen Meadows Water Company.....	\$7,500.00
Iona, City of.....	\$1,425.64
Kendrick, City of.....	\$7,500.00
Kooskia, City of.....	\$7,500.00
Lakeview Water District.....	\$2,250.00
Lava Hot Springs, City of.....	\$7,500.00
Lindsay Lateral Association.....	\$7,500.00
Lower Payette Ditch Company.....	\$5,500.01
Maple Grove Estates Homeowners Association.....	\$5,020.88
Meander Point Homeowners Association.....	\$7,500.00
Moreland Water & Sewer District.....	\$7,500.00
New Hope Water Corporation.....	\$2,720.39
North Lake Water & Sewer District.....	\$7,500.00

Northside Estates Homeowners Association.....	\$4,492.00	
North Tamar Butte Water & Sewer District.....	\$3,575.18	
North Water & Sewer District.....	\$3,825.00	
Parkview Water Association.....	\$4,649.98	
Payette, City of.....	\$6,579.00	
Pierce, City of.....	\$7,500.00	
Potlatch, City of.....	\$6,474.00	
Preston Whitney Irrigation Company.....	\$7,500.00	
Preston & Whitney Reservoir Company.....	\$3,606.75	
Preston & Whitney Reservoir Company.....	\$7,000.00	
Roberts, City of.....	\$3,750.00	
Round Valley Water.....	\$3,000.00	
Sagle Valley Water & Sewer District.....	\$2,117.51	
South Hill Water & Sewer District.....	\$3,825.00	
St Charles, City of.....	\$5,632.88	
Swan Valley, City of.....	\$5,000.01	
Twenty-Mile Creek Water Association.....	\$2,467.00	
Valley View Water & Sewer District.....	\$5,000.02	
Victor, City of.....	\$3,750.00	
Weston, City of.....	\$6,601.20	
Winder Lateral Association.....	\$7,000.00	
<b>TOTAL GRANTS DISBURSED.....</b>		<b><u>(\$1,632,755.21)</u></b>
IWRB Expenditures		
Lemhi River Water Right Appraisals.....	\$31,000.00	
Expenditures Directed by Legislature		
Obligated 1994 (HB988).....	\$39,985.75	
SB1260, Aquifer Recharge.....	\$947,000.00	
SB1260, Soda (Caribou) Dam Study.....	\$53,000.00	
Sugarloaf Aquifer Recharge Project (SB1239).....	\$55,953.69	
ESPA Settlement Water Rentals (HB 843 2004).....	\$504,000.00	
ESP Aquifer Management Plan (SB1496, 2006).....	\$300,000.00	
ESP Aquifer Management Plan (HB320, 2007).....	\$801,077.75	
<b>TOTAL IWRB AND LEGISLATIVE DIRECTED EXPENDITURES.....</b>		<b><u>(\$2,732,017.19)</u></b>
<b>WATER RESOURCE BOARD RECHARGE PROJECTS.....</b>		<b><u>(\$11,426.88)</u></b>
<b>CURRENT ACCOUNT BALANCE.....</b>		<b><u>\$121,290.57</u></b>
Committed Funds:		
Grants Obligated		
Cottonwood Point Water & Sewer Association.....	\$0.00	
Preston - Whintey Irrigation Company.....	\$7,500.00	
Water District No. 1 (Blackfoot Equalizing Reservoir Automation).....	\$35,000.00	
Legislative Directed Obligations		
Sugarloaf Aquifer Recharge Project (SB1239).....	\$4,046.31	
ESPA Settlement Water Rentals (HB 843, 2004).....	\$16,000.00	
ESPA Management Plan (SB 1496, 2006).....	\$0.00	
ESP Aquifer Management Plan (HB320, 2007).....	\$48,829.24	
<b>TOTAL GRANTS &amp; LOANS OBLIGATED &amp; UNDISBURSED.....</b>		<b><u>\$111,375.55</u></b>
Loans Outstanding:	Amount Loaned	Principal Outstanding
Arco, City of.....	\$7,500	\$0.00
Butte City, City of .....	\$7,425	\$0.00
Roberts, City of.....	\$23,750	\$0.00
Victor, City of.....	\$23,750	\$0.00
<b>TOTAL LOANS OUTSTANDING.....</b>		<b><u>\$0.00</u></b>
Uncommitted Funds.....		<b><u>\$9,915.02</u></b>
<b>CURRENT ACCOUNT BALANCE.....</b>		<b><u>\$121,290.57</u></b>

Idaho Water Resource Board  
Sources and Applications of Funds  
as of June 30, 2014

SECONDARY AQUIFER PLANNING, MANAGEMENT, & IMPLEMENTATION FUND

Legislative Appropriation (HB 291, Sec 2).....	\$2,465,300.00
Legislative Appropriation (SB 1389, Sec 5).....	\$1,232,000.00
Legislative Appropriation (HB270, Sec 3).....	\$716,000.00
Legislative Appropriation (HB479, Sec 1).....	\$4,500,000.00
Interest Earned State Treasury (Transferred).....	\$53,727.08
Water Users Contributions.....	\$100.00
Conversion project (AWEP) measurement device payments.....	(\$16,455.21)
Contribution from GWD's for 2011 ESPA Managed Recharge	\$71,893.16
Contribution from GWD's for Revenue Bond Prep Expenses.....	\$14,462.50
American Falls Res. Dist#2 - MP31 Recharge Site Engineering.....	(\$1,593.75)
American Falls Res. Dist#2 - MP31 Recharge Site Construction.....	(\$34,435.44)
Bond issuer Fees.....	(\$3,500.00)
Payments for 2012 Recharge.....	(\$260,031.02)
Payments for 2013 Recharge.....	(\$8,133.00)
Payments for 2014 Recharge.....	(\$16,404.00)
Payment for Recharge.....	(\$80,000.00)
Payment for High Country RC&D Cloud Seeding.....	(\$20,000.00)
Payment for Idaho Irrigation District.....	(\$13,200.00)

Committed Funds

Legislative Appropriation (HB479, Sec 1, 2014)	
ESPA Managed Recharge Infrastructure (HB479).....	\$4,000,000.00
Northern Idaho Future Water Needs Studies (HB479).....	\$500,000.00
Measurement devices for AWEP conversion projects.....	\$183,544.79
High Country RC&D Cloud Seeding	\$0.00
American Falls Res. Dist#2 - MP31 Recharge Site Engineering	\$4,406.25
American Falls Res. Dist#2 - MP31 Recharge Site Construction	\$564.56
Magic Valley GWD and A&B Irrig. Dist. - Walcott Recharge Engineering	\$85,644.00
Five-Year Managed Recharge Pilot Program	\$1,215,431.98
Contribution from GWD's for 2011 ESPA Managed Recharge	(\$8,106.84)
GWD Bond Preparatory Expenses.....	\$37,500.00
Fremont-Madison Irrigation District Egin Recharge.....	\$40,000.00
<b>Total Committed Funds.....</b>	<b>\$6,058,984.74</b>

**TOTAL UNCOMMITTED FUNDS..... \$2,540,745.58**

**CURRENT ACCOUNT BALANCE..... \$8,599,730.32**

# Memorandum

To: Idaho Water Resource Board  
From: Cynthia Bridge Clark  
Date: July 7, 2014  
Re: Project and Program Tracking and Reporting

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The Idaho Water Resource Board (IWRB) oversees a wide range of projects and programs. The number of projects implemented by the IWRB will increase as a result of recent legislative appropriations and grant opportunities. Therefore, there is a need to identify effective methods of tracking projects and reporting progress as well as the frequency and type of information that will be most useful to IWRB members.

Staff would like feedback from the IWRB on this topic. A template progress report is provided in your work books for discussion purposes.



## Idaho Water Resource Sustainability & Aquifer Stabilization Initiative Projects

Project	Major Milestones Completed	Progress since previous Report & Upcoming Work	Project Schedule
<b>ESPA Stabilization</b>			
<b>Managed Recharge</b>			
Lake Walcott site			
Mile Post 31			
<b>Conversion Projects: Ground Water to Surface Water</b>			
A&B Irrigation District Pipeline			
SE Dietrich			
Regional Conservation Partnership Program (RCPP) Projects			
<b>Demand Reduction</b>			
End Gun Removal/Conversion to Dryland Farming Program			
Conservation Reserve Enhancement Program (CREP)			
<b>Weather Modification</b>			
Expansion of Upper Snake could seeding program into Wyoming tribs of the Snake River			
<b>ESPA Monitoring</b>			
ESPA Well Depth Measurement Program			
ESPA Spring and Return Flow Measurement Program			
<b>Other Activities to Support ESPA Stabilization</b>			
Regional Conservation Partnership Program (RCPP) Projects			

Project	Major Milestones Completed	Progress since previous Report & Upcoming Work	Project Schedule
<b>Hagerman Valley (Below-the-Rim)</b>			
Aqualife Hatchery Acquisition			
Pristine Springs			
Aquifer Monitoring			
<b>Surface Water Storage</b>			
Weiser-Galloway Project			
Boise River Feasibility Study – Arrowrock Raise			
Island Park Reservoir Enlargement			
<b>Other Water Management Projects</b>			
Mountain Home Water Rights			
Wood River Valley Modeling Project			
Water District 2 Measurement Project (WaterSMART Grant)			
North Idaho Future Water Demand Study			
Dworshak Hydropower Plant			

## Idaho Water Resource Board Programs

Program	Major Milestones Completed	Progress since previous Report & Upcoming Work	Project Schedule
<b>Water Supply Bank</b>			
<b>IT Infrastructure Development</b>			
Developing a comprehensive data management system to improve administrative activities			
<b>Idaho Water Transactions Program</b>			
Columbia Basin Water Transactions Program			
Idaho Fish Accord			
<b>IWRB Financial Program New Applications</b>			
A & B Irrigation District Loan			



## ESPA Managed Recharge Strategic Planning

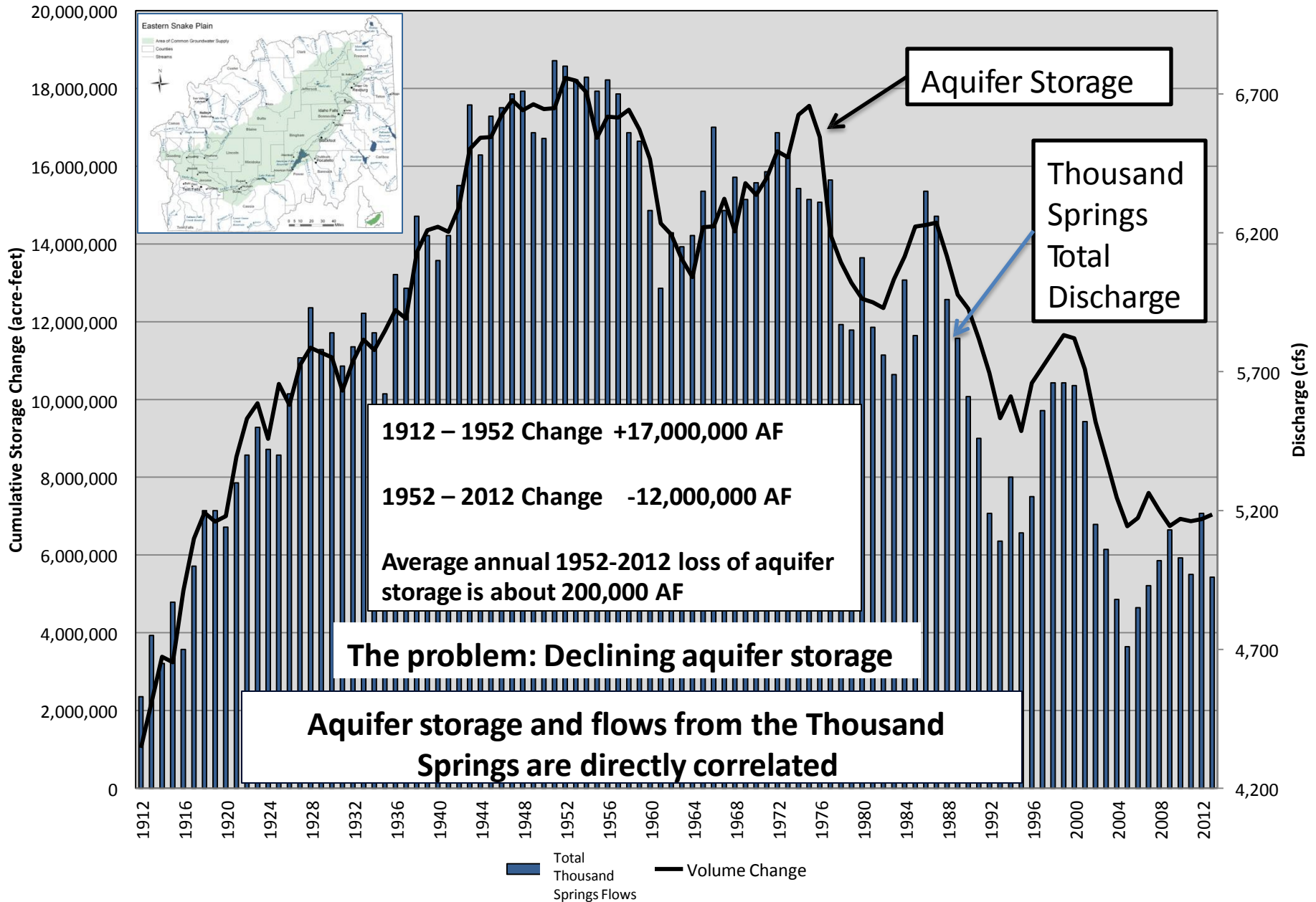
Idaho Water Resource Board

Brian Patton

July 17, 2014



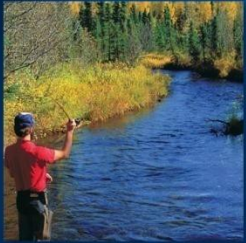
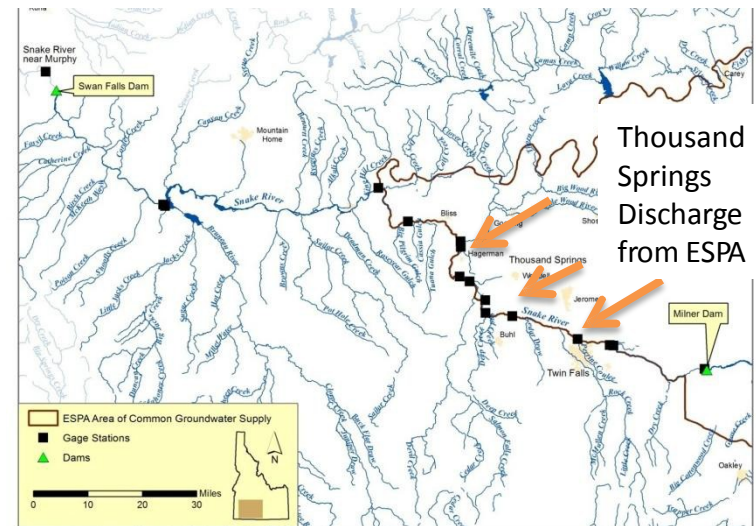
# Cumulative Volume Change of Water Stored Within ESPA and Thousand Springs Discharge



## Recharge Analysis Summary

- Stabilization of ESPA is essential to:
  - ✓ Prevent further GW vs. SW user conflicts on Eastern Snake Plain
  - ✓ Meet State's Swan Falls Agreement obligations to maintain minimum flows at Murphy Gage

When flow is zero at Milner, flow at Swan Falls Dam is made up almost entirely of spring flows from the ESPA



## Plan for ESPA Stabilization

***Average loss from storage is about 200,000 AF/year***

- **GW-SW Conversions**

- ✓ Projects on 12,842 acres with federal AWEF funds
- ✓ A&B Project on deck
- ✓ RPCC (AWEF 2) in application stage

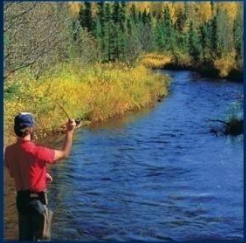
- **Demand Reduction** – About 17,000 acres in CREP

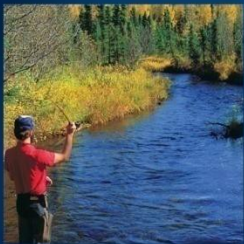
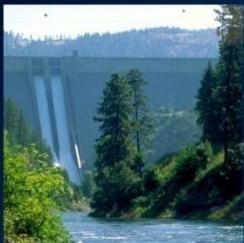
- **Weather Modification/Cloud Seeding** –

- ✓ Operational program in Upper Snake - Idaho Power & water user partnership
- ✓ Expansion under consideration
- ✓ Expansion into Wood River Basin under consideration

- **Managed Recharge** -

- ✓ average annual volume about 74,000 acre-feet
- ✓ need to increase!





## ESPA Recharge – what has been done?

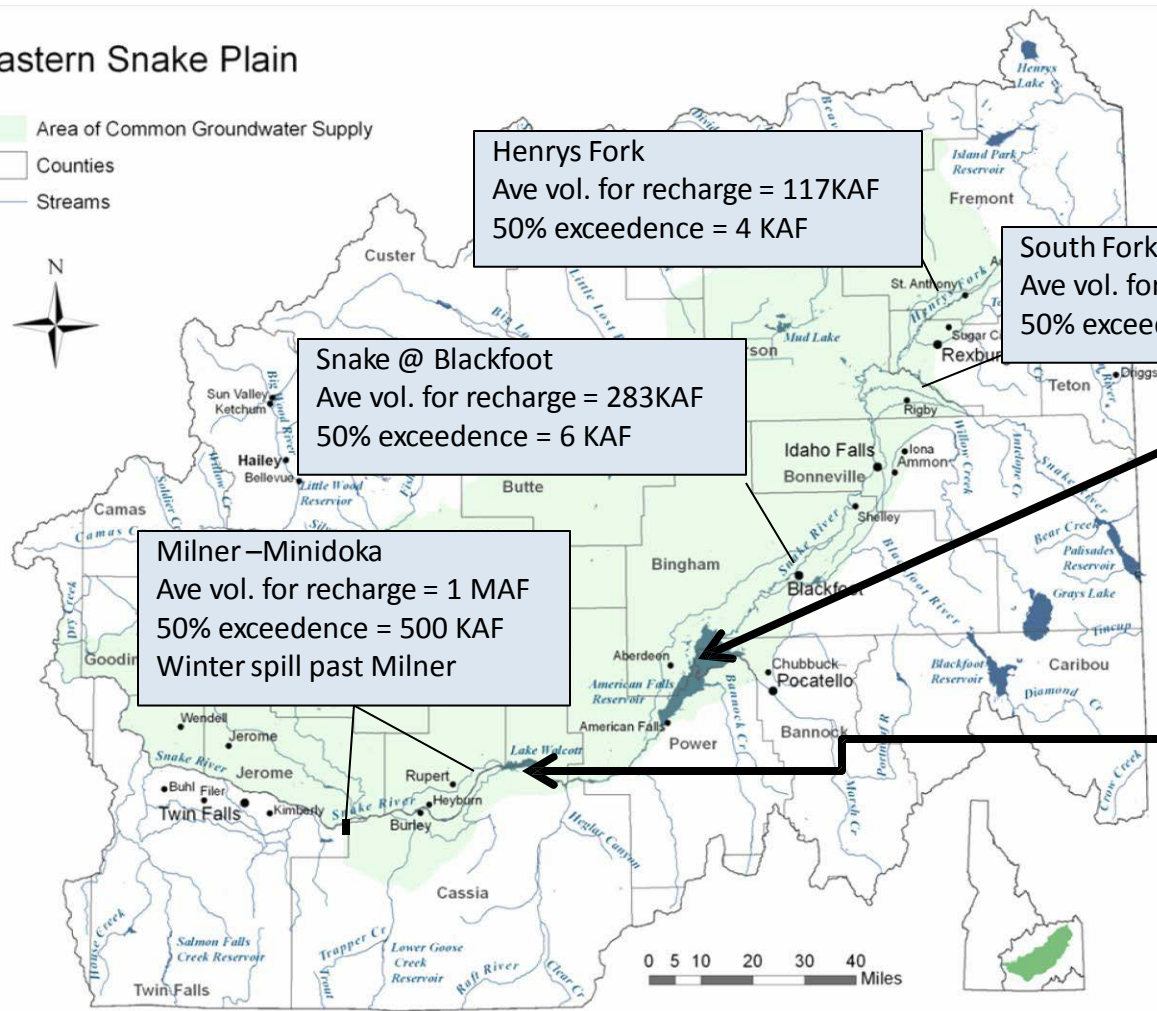
Since ESPA CAMP Approval in 2009

	Below American Falls	Above American Falls	Total
2009	46,708	77,828	<b>124,536</b>
2010	5,595	55,913	<b>61,508</b>
2011	77,614	40,430	<b>118,044</b>
2012	54,671	70,147	<b>124,818</b>
2013	3,867	0	<b>3,867</b>
2014	10,435	0	<b>10,435</b>
<b>Average</b>	<b>33,148</b>	<b>40,720</b>	<b>73,868</b>

## Location Matters for Recharge Water Availability

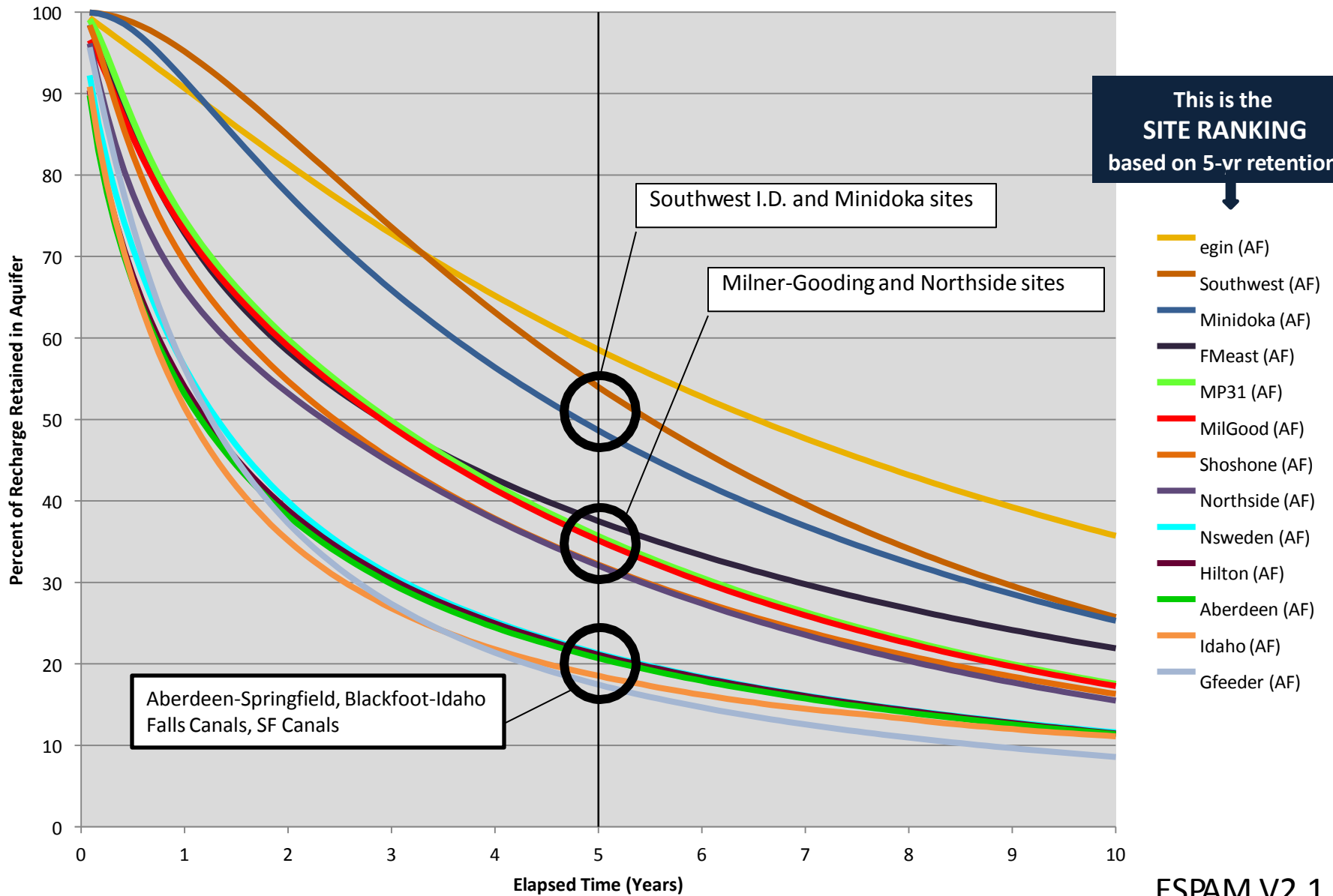
### Eastern Snake Plain

- Area of Common Groundwater Supply
- Counties
- Streams



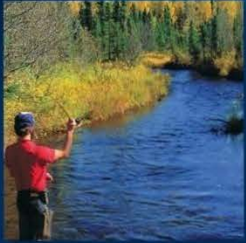
(2000-2012 data)

# Retention of Recharged Water within the Aquifer



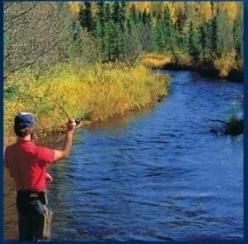
## Conclusions for ESPA Recharge

- Water rights and non-interference with reservoir fill drives water supply availability by location
- Best water availability and aquifer retention in Minidoka-to-Milner reach
  - ✓ This reach only has 4 diversion points for recharge: Northside Canal, Milner-Gooding Canal, Twin Falls Canal & SWID Pipeline
  - ✓ Need additional capacity (diversion & infiltration) in this reach to take advantage of water supply and good aquifer retention
  - ✓ MP31 and Walcott Projects in progress
  - ✓ **Need others – diversion of winter flows from Milner Pool**



## Conclusions for ESPA Recharge

- Recharge above American Falls (AMF) has value
  - ✓ Water supply more limited – about 50% of years no recharge water available
  - ✓ Sites generally have shorter retention
  - ✓ In above-average water years, however, sites above AMF are needed to utilize available water for recharge



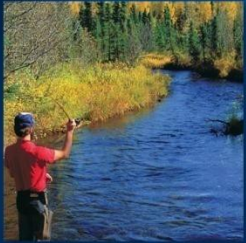
## General Strategy

Utilize winter-time flows that would otherwise spill past Milner Dam for recharge to provide a “base-load” for recharge

- Dedicated, winter-capable recharge facilities diverting from Milner Pool that operate independent of canal companies
- Modify existing canals at Milner for winter operations
- IWRB holds 1980-priority permit, more applications filed
- Divert below reservoir system so only using water already released – no interference with storage

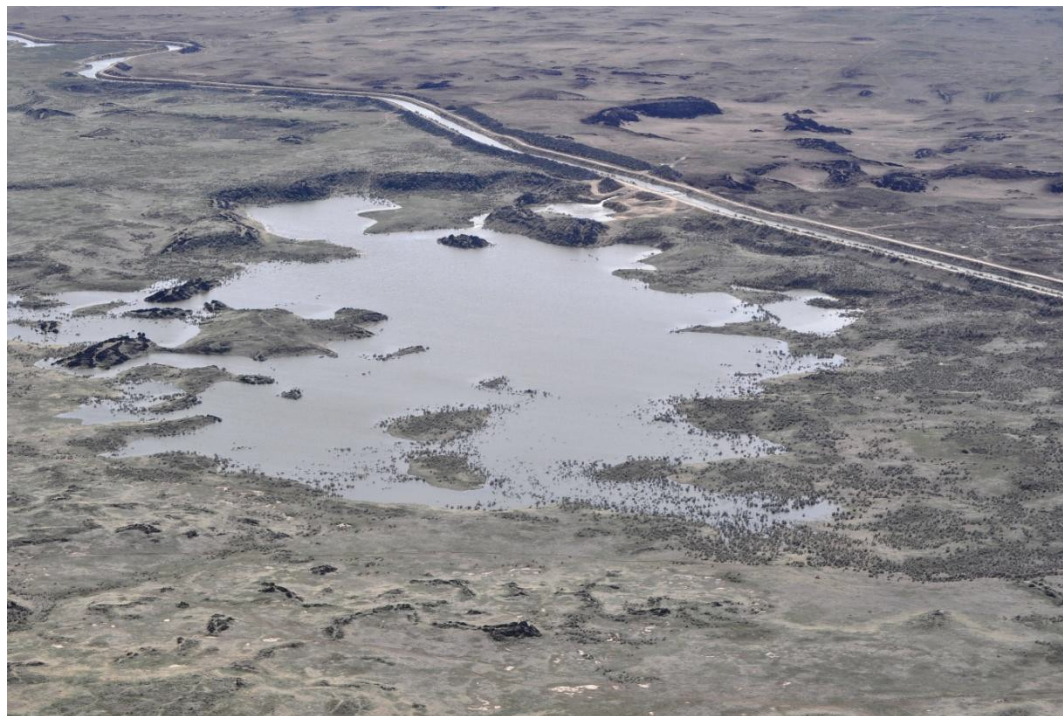


Test drilling at Walcott site  
December 2013

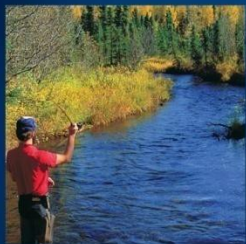
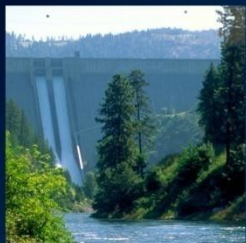


## General Strategy (Cont.)

Utilize Lower Valley canals and off-canal facilities, to extent available in any given year, to help catch and divert spring run-off flows for recharge



2014 operations at Milepost 31  
recharge site



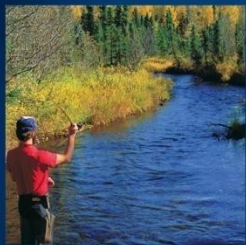
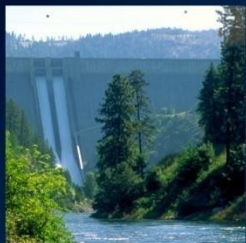
## General Strategy (Cont.)

Utilize winter-time Little Wood River water supplies to help provide “base-load” for recharge

- IWRB holds 1980 priority permit
- Build dedicated winter-capable facilities



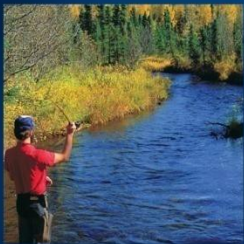
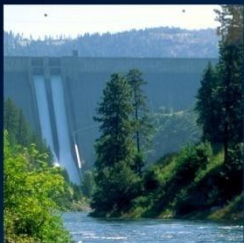
Testing potential recharge site on state land near Richfield in spring of 2014



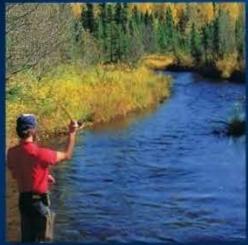
## General Strategy (Cont.)

In above-average water years when recharge will not interfere with filling the reservoir system, utilize Upper Valley canals (above American Falls)

- Opportunistic as water available in about 50% of years in Upper Valley

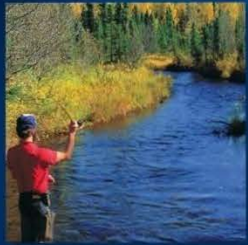


Hilton Spill site on Aberdeen-Springfield Canal



## Costs

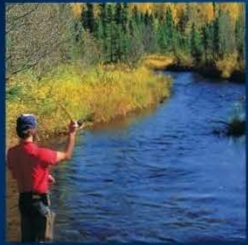
- If dedicated pump-to-recharge projects needed to recharge winter spill at Milner:
  - ✓ \$36M capital cost
  - ✓ 10-year build out
  - ✓ \$2M annual O&M
- If agreements reached with Milner canals for winter recharge operations:
  - ✓ Capital cost should be less (modify canals for winter operations)
  - ✓ Build out should be shorter
  - ✓ Annual O&M should be less
- Some facilities may also be needed above American Falls



## Near-Term Tasks

Brian Patton and Vince Alberdi meeting with Boards of canals diverting from Milner

- ✓ Bring on board for delivery of winter flows to recharge
- ✓ TFCC to Murtaugh Lake, NSCC to Wilson Lake, Milner Gooding to MP31
- ✓ IWRB to pay for engineering assessment of modifications needed for winter operations
- ✓ If cost-effective IWRB would pay for modifications
- ✓ Winter delivery premium payment (\$6/AF ?)

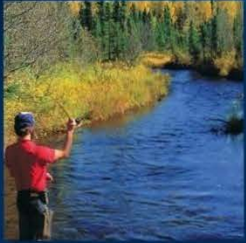


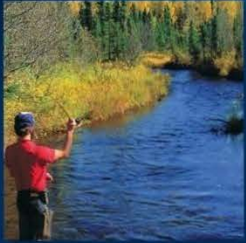
## Near-Term Tasks

- Geotechnical work completed at Walcott Site – need to go farther from lake than originally thought doubling pipeline length – brings cost to ~\$6M – decision
- Stage MP31 expansion for this coming fall
- Pump to recharge sites at Milner Pool
  - ✓ Test drill in cooperation with LSARD at A&B pump plant, SWID pump plant, Northside pump plant
- Potential large off-channel site off Northside Canal
  - ✓ Nielson Site – test in cooperation with NSCC and LSARD

## Near-Term Tasks

- Sites off Wood River
  - ✓ Richfield Site
  - ✓ City of Gooding Site – possible joint project with City
- Upper Valley – review proposal from Great Feeder Canal System



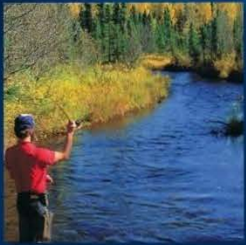


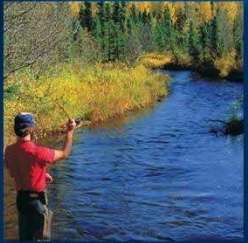
## Recommendation

- Authorize \$300,000 for preliminary recharge project development
  - ✓ Site testing and drilling
  - ✓ Engineering assessments of canals for winter recharge operations
- Plan for authorization of funds for MP31 expansion in September
- Direct that a “Managed Recharge Program Review and Assessment and Recommendations” be completed by a private consultant

## Communication and Feedback

- Need to establish method for communication, feedback, and advice with key legislators, Governor's Office, water users, other stakeholders
  - Advisory Committee?
  - Conference calls?
  - Written progress reports?
  - Other ideas?





## Questions and Discussion



Initial testing of MP31 recharge  
site March 27, 2013



# AGENDA

## IDAHO WATER RESOURCE BOARD MEETING NO. 8-14

July 18, 2014 at 8:00 am

Kootenai River Inn  
Ktunaxa Room

7169 Plaza Street, Bonners Ferry, ID 83805

**C.L. "Butch" Otter**  
Governor

**Roger W. Chase**  
Chairman  
Pocatello  
District 4

**Peter Van Der Meulen**  
Vice-Chairman  
Hailey  
At Large

**Bob Graham**  
Secretary  
Bonners Ferry  
District 1

**Charles "Chuck"  
Cuddy**  
Orofino  
At Large

**Vince Alberdi**  
Kimberly  
At Large

**Jeff Raybould**  
St. Anthony  
At Large

**Albert Barker**  
Boise  
District 2

**John "Bert" Stevenson**  
Rupert  
District 3

- .....
1. Roll Call
  2. Executive Session – Board will meet pursuant to Idaho Code § 67-2345 (1) subsection (f), for the purpose of communicating with legal counsel regarding legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. Executive Session is closed to the public.  
*Following adjournment of Executive Session -- meeting reopens to the public*
  3. Agenda and Approval of Minutes 4-14, 5-14, and 6-14
  4. Public Comment
  5. Northern Idaho Adjudication Update
  6. North Idaho Future Water Demand Study Proposal
  7. Spokane River Forum Conference Funding Request
  8. Northwest Power and Conservation Council Update
  9. Bohannon Creek Water Transaction
  10. A&B Irrigation District Loan Request
  11. Island Park Enlargement
  12. Water District 02 WaterSMART Grant Update
  13. Regional Conservation Partnership Program Proposal
  14. ESPA Recharge
  15. State Water Plan
  16. Underground Injection Control Rule Change
  17. Aqua Life Facility
  18. IDWR Director's Report
  19. Other Non-Action Items for Discussion
  20. Next Meetings and Adjourn

### Americans with Disabilities

The meeting will be held in facilities that meet the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email [Mandi.Pearson@idwr.idaho.gov](mailto:Mandi.Pearson@idwr.idaho.gov) or by phone at (208) 287-4800.



# IDAHO WATER RESOURCE BOARD

## MEETING MINUTES 4-14

**C.L. "Butch" Otter**  
Governor

Idaho Water Center  
Director's Conference Room  
322 East Front St, Boise ID 83720

May 7, 2014

**Roger W. Chase**  
Chairman  
Pocatello  
District 4

**Peter Van Der Meulen**  
Vice-Chairman  
Hailey  
At Large

**Bob Graham**  
Secretary  
Bonners Ferry  
District 1

**Charles "Chuck"**  
**Cuddy**  
Orofino  
At Large

**Vince Alberdi**  
Kimberly  
At Large

**Jeff Raybould**  
St. Anthony  
At Large

**Albert Barker**  
Boise  
District 2

**John "Bert" Stevenson**  
Rupert  
District 3

Chairman Roger Chase called the meeting to order at approximately 8:00 am. There were seven Board members present. Mr. Peter Van Der Meulen was absent. A quorum was present.

### Agenda Item No. 1, Roll Call

#### *Board Members Present*

Roger Chase, Chairman  
Vince Alberdi  
Jeff Raybould  
Bob Graham

Bert Stevenson  
Chuck Cuddy  
Albert Barker

#### *Staff Members Present*

Gary Spackman, Director  
Brian Patton, Planning Bureau Chief  
Clive Strong, Deputy Attorney General  
Harriet Hensley, Deputy Attorney General  
John Homan, Deputy Attorney General  
Mandi Pearson, Administrative Assistant

#### *Guests Present*

Stephen Goodson, Special Assistant to the Governor

### Agenda Item No. 2, Executive Session

The Board did not resolve into Executive Session.

### Agenda Item No. 3, Aqua Life Hatchery

Mr. Strong provided a brief background on the legislative authorization for the transfer of the Aqua Life Hatchery from the Idaho Department of Parks and Recreation (IDPR) to the Idaho Water Resource Board.

Mr. Homan discussed the details of the Purchase and Sale Agreement, which allows the Board to purchase the Aqua Life Hatchery from IDPR. He also discussed the Letter of Intent between the Idaho Department of Fish and Game (IDFG), the Idaho Ground Water Appropriators (IGWA), and the Board,

which addresses the use of the Tucker Springs water as well as construction of a pump station and pipeline and construction of improvements at the Aqua Life Facility.

There was discussion among the parties regarding which account the funding is coming from and the impact on Board funds for future projects and/or loans. There was also discussion among the parties regarding the intent and specifics of the legislation. Mr. Strong discussed the proposed plan for the facility. There was further discussion regarding the Purchase and Sale Agreement, specifically the NPDES Permit and the lease agreement with SeaPac.

Mr. Barker suggested that the Purchase and Sale Agreement be modified and the fourth and fifth “Whereas” clauses be eliminated.

Mr. Stevenson moved to accept the resolution authorizing execution of a Purchase and Sale Agreement and a Letter of Intent, with the changes discussed. Mr. Barker seconded the motion.

Roll Call Vote: Mr. Cuddy: Aye; Mr. Alberdi: Aye; Mr. Stevenson: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Absent; Mr. Graham: Absent; Mr. Barker: Aye; Chairman Chase: Aye. Motion passed.

#### **Agenda Item No. 4, Aquifer Recharge**

Mr. Patton described the possibility of significant flood control releases in the Upper Snake River. Interested parties have discussed whether the Board may be able to utilize the supply of water for managed recharge. There was discussion among the parties regarding options to perform recharge activity in this situation. Mr. Strong advised caution to not complicate negotiations that are ongoing regarding storage refill. There was further discussion among the parties regarding this issue.

#### **Agenda Item No. 5, Next Meetings and Adjourn**

Mr. Raybould made a motion to Adjourn, and Mr. Alberdi seconded the motion. Voice Vote. All were in favor. Motion Carried.

The IWRB Meeting 4-14 adjourned at approximately 9:30 am.

Respectfully submitted this \_\_\_\_\_ day of July, 2014.

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Bob Graham, Secretary

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Mandi Pearson, Administrative Assistant II

#### **Board Actions:**

1. Mr. Stevenson moved to accept the resolution authorizing execution of a Purchase and Sale Agreement and a Letter of Intent, with the changes discussed. Mr. Barker seconded the motion. Roll Call Vote. All were in favor. Motion passed.



# IDAHO WATER RESOURCE BOARD

## MEETING MINUTES 5-14

**C.L. "Butch" Otter**  
Governor

Idaho Water Center  
Conference Rooms 602 B, C, and D  
322 East Front Street, PO Box 83720, Boise, Idaho 83720

May 16, 2014

**Roger W. Chase**  
Chairman  
Pocatello  
District 4

**Peter Van Der Meulen**  
Vice-Chairman  
Hailey  
At Large

**Bob Graham**  
Secretary  
Bonners Ferry  
District 1

**Charles "Chuck"**  
**Cuddy**  
Orofino  
At Large

**Vince Alberdi**  
Kimberly  
At Large

**Jeff Raybould**  
St. Anthony  
At Large

**Albert Barker**  
Boise  
District 2

**John "Bert" Stevenson**  
Rupert  
District 3

Chairman Roger Chase called the meeting to order at approximately 7:30 am. Pete Van Der Meulen was absent. All other Board members were present.

### Agenda Item No. 1, Roll Call

#### *Board Members Present*

Roger Chase, Chairman	Jeff Raybould
Bob Graham, Secretary	Chuck Cuddy
Vince Alberdi	Bert Stevenson
Albert Barker	

#### *Staff Members Present*

Gary Spackman, Director	Mat Weaver, Deputy Director
Brian Patton, Bureau Chief	Helen Harrington, Section Manager
Liz Cresto, Hydrologist	Cynthia Bridge Clark, Engineer
Mandi Pearson, Admin. Assistant	Neal Farmer, Special Projects Coordinator
Remington Buyer, Water Supply Bank Coordinator	
Clive Strong, Deputy Attorney General	
Harriet Hensley, Deputy Attorney General	

#### *Guests Present*

John J. Williams, Bonneville Power Administration  
Jon Bowling, Idaho Power  
Peter Anderson, Trout Unlimited  
Walt Poole, Idaho Fish and Game  
Bob Geddes, Idaho Farm Bureau  
Anita Hamann, Idaho Division of Financial Management  
Ray Houston, Idaho Legislative Services Office  
Dan Temple, A&B Irrigation District  
Roger Warner, Recharge Development Corporation  
Lynn Tominaga, Idaho Ground Water Association  
Dave Tuthill, Idaho Water Engineering  
Shelly Davis, Barker Rosholt & Simpson  
Lesla Stark, US Bureau of Reclamation

## **Agenda Item No. 2, Executive Session**

At approximately 7:30 am the Board resolved into Executive Session by unanimous consent pursuant to Idaho Code Section 67-2345 (1) subsections (c) and (f), for the purposes of considering the acquisition of an interest in real property not presently owned by a public agency and to communicate with legal counsel regarding legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. No action was taken by the Board during the Executive Session. The Board resolved out of Executive Session and into Regular Session at approximately 9:00am.

## **Agenda Item No. 3, Agenda and Approval of Minutes**

There were no additions or deletions from the agenda. Mr. Barker made a motion that the minutes for meeting 3-14 be approved as printed. Mr. Cuddy seconded the motion. Voice Vote. All were in favor. Motion passed.

## **Agenda Item No. 4, Public Comment**

Chairman Chase opened up the meeting for public comment. Mr. Dan Temple of A&B Irrigation District (ABID) provided an update to the Board on the Lake Walcott Recharge Project. He discussed cost overruns on the project and asked the Board to consider additional funding for the project. He also discussed the possibility of ABID seeking a loan from the Board. Mr. Temple stated that ABID is committed to finding a way to complete the project. There was discussion among the parties regarding ABID's in-kind services, the funding needed for the project, and the loan application.

Mr. Roger Warner of the Recharge Development Corporation (RDC) addressed the Board. He introduced a Proposal to Implement a Public Private Partnership for Managed Ground Water Recharge in Idaho. He discussed short-term, mid-term, and long term strategies proposed by RDC.

Mr. John J. Williams of Bonneville Power Administration (BPA) addressed the Board. He provided an update on current issues that BPA is addressing. There was discussion among the parties regarding the Northwest Power and Conservation Council's Fish and Wildlife amendments.

## **Agenda Item No. 5, Idaho Water Supply** *(Liz Cresto, Staff)*

Ms. Liz Cresto provided a water supply update to the Board. She discussed snowpack levels and precipitation to date, and shared the precipitation and temperature outlook for the summer, as well as streamflow forecasts. There was discussion among the parties regarding drought emergencies.

## **Agenda Item No. 6, Water District 02 WaterSmart Grant Update** *(Neeley Miller, Staff)*

Mr. Neeley Miller provided an update on the WaterSmart grants for PhaseOne and PhaseTwo of the Water District 02 project to assist with the installation of measuring devices and telemetry equipment for diversions in the district. Installation and calibration of equipment is on-going and will continue through summer/fall 2014 for PhaseOne of the project. The application for PhaseTwo of the project has been submitted to the Bureau of Reclamation (BOR) and staff anticipates BOR will announce funding awards sometime in May/June 2014.

## **Agenda Item No. 7, Committee Reports**

### **a. Water Resource Planning** *(Helen Harrington, Staff)*

Ms. Harrington provided an update on recent Water Resource Planning Committee activity. The Committee has been reviewing proposed changes to several State Water Plan policies and working on developing a Water Sustainability Policy. At the meeting held on April 15, 2014, the Committee heard panel discussions on Water Sustainability. The Committee also met on May 13, 2014.

Mr. Raybould discussed the limited number of proposed changes to the State Water Plan and the cost of having public hearings on these proposed changes. There was discussion among the parties regarding the requirement of public meetings on the proposed changes to the State Water Plan. Mr. Barker suggested the Board review the proposed changes and pass a resolution stating that the Board agrees with the intent of the proposed changes but will not amend the State Water Plan at this time.

Mr. Barker moved that the Board not adopt any changes to the State Water Plan and instead attempt to develop a resolution in response to the concerns raised by the legislature. Mr. Graham seconded the motion. There was discussion among the parties regarding the Committee's review of the proposed changes. Voice Vote. All were in favor. Motion passed.

Ms. Harrington discussed the draft document on Sustainability. There was discussion among the parties regarding the document, including prioritization of projects and funding, meeting the intent of the Governor's guidance, and future work to be done on the document.

**b. Upper Snake River Advisory** (*Liz Cresto, Staff*)

Ms. Cresto provided an update on the most recent Upper Snake River Advisory Committee Meeting held on April 11, 2014. Among the topics discussed at the meeting were reservoir operations, current snowpack levels, Idaho Power operations, reach gains above and below Blackfoot, current irrigation demand, recharge operations, and projected 2014 flow augmentation releases. There was discussion among the parties regarding the Bureau of Reclamation releases.

**Agenda Item No. 8, Water Supply Bank and Rental Pools** (*Remington Buyer, Staff*)

**a. Rental Pool Annual Report**

Mr. Buyer presented a summary of the 2013 Rental Pool Report. There was discussion among the parties regarding specific types of rentals for Water District 63 and powerhead rentals.

**b. Committee Appointments**

Mr. Patton discussed the Rental Pool Local Committee Appointments. There was discussion among the parties regarding the ability to approve all five in one motion. Mr. Graham moved to approve the committee appointments. Mr. Raybould seconded the motion. Voice Vote. All were in favor. Motion passed.

**Agenda Item No. 9, Use of the Secondary Aquifer Fund**

**a. ESPA Recharge Plan** (*Brian Patton, Staff*)

Mr. Patton presented on the Eastern Snake Plain Aquifer (ESPA) Managed Recharge Plan. He discussed the recharge goal to stabilize the ESPA, declining aquifer storage, recharge water availability and potential recharge site locations. Mr. Patton presented the conclusions for how to best do recharge on the ESPA, including recharge driving factors for water supply availability, best site rankings in the Minidoka-to-Milner reach, and the value of recharge above American Falls. He discussed a general strategy, including utilizing winter-time flows at Milner, utilizing Lower Valley canals and off-canal facilities, utilizing winter-time Little Wood River water supplies, and utilizing Upper Valley canals in above-average water years. Mr. Patton presented estimated costs of recharge, an estimated build-out schedule, and planned facilities and 5-year retention. He discussed other recharge program factors including water quality monitoring and staffing needs. Mr. Patton discussed other aquifers in the state that also need stabilization, and discussed prioritization considerations and the possibility of creating an Advisory Committee to provide advice and feedback on ESPA recharge and other uses of the Secondary Aquifer Fund.

**b. Hydrologic Modeling and Monitoring** (*Rick Raymondi, Staff*)

Mr. Raymondi provided an overview of the Aquifer Planning and Management Fund. The fund was created for several purposes, including for technical studies and hydrologic monitoring and measurements. Mr. Raymondi discussed the expenditures from 2009 to present for monitoring, model, plan development, and personnel. He also discussed Trustee and Benefit Fund expenditures. He discussed modeling and monitoring efforts in the Spokane Valley-Rathdrum Prairie Aquifer, the Lewiston Groundwater Management Area, the Treasure Valley Aquifer, the Wood River Valley, and the ESPA.

Mr. Patton discussed the Secondary Aquifer Planning, Management, and Implementation Fund. The Secondary Aquifer Fund now has two defined revenue streams: the Pristine Springs loan payment and the Cigarette Tax distribution. Staff is proposing that the revenues from Pristine Springs loan payments be dedicated to the statewide aquifer monitoring, measurement, and modeling effort, including staff expenses, now being paid by the Aquifer Planning Fund. The Aquifer Planning Fund was a one-time appropriation that is nearing exhaustion. There was discussion among the parties regarding Pristine Springs hydropower revenues being directed to RathdrumPrairie and Treasure Valley projects. There was discussion among the parties regarding alternatives to fund the program, a budget for the yearly revenue, and staff's suggestion to use the Pristine Springs loan repayment funds rather than the cigarette tax funds. There was further discussion among the parties regarding requesting funding from the legislature, as well as a time frame for the funding allocation.

Mr. Raybould moved to adopt the resolution allocating Pristine Springs loan repayments to the statewide aquifer monitoring, measurement and modeling effort. Mr. Cuddy seconded the motion.

Roll Call Vote: Mr. Cuddy: Aye; Mr. Alberdi: Aye; Mr. Stevenson: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Absent; Mr. Graham: Aye; Mr. Barker: Aye; Chairman Chase: Nay. Motion passed.

Mr. Patton requested that the Board amend the agenda to address Agenda Item No. 16, Director's Report, next. Mr. Barker made a motion to amend the agenda to move up the Director's Report. Mr. Raybould seconded. Voice Vote. All were in favor. Motion Passed.

**Agenda Item No. 16, IDWR Director's Report** (*Gary Spackman, Director*)

Director Spackman addressed the topic of requesting funding from the legislature. He discussed the need for stewardship of the funds that have been allocated. There was discussion among the parties regarding the legislative statute and the allocation of funding for the monitoring, measurement, and modeling projects. Director Spackman also addressed the proposal that a committee be assigned to review the progress that the Board and Department staff are making towards accomplishing the aquifer stabilization assignment given by the legislature.

**Agenda Item No. 10, Financial Programs**

**a. Status Report** (*Brian Patton, Staff*)

As of February 1<sup>st</sup>, the Board has about \$17.6 million committed by not disbursed for various loans and projects, about \$16 million total loan principal outstanding, and an uncommitted balance of about \$5 million. Mr. Patton and Mr. Graham discussed potential loans.

**Agenda Item No. 11, Aqua Life Hatchery** (*Brian Patton, Staff*)

Mr. Patton provided a brief update on the Aqua Life Hatchery. The Purchase and Sale Agreement has been executed. The lease agreement with SeaPac is being put into writing. There was discussion among the parties regarding the lease agreement and improvements that need to be made to the property.

**Agenda Item No. 12, Pristine Springs** *(Brian Patton, Staff)*

Mr. Patton provided a brief update on Pristine Springs. The supply pipeline is fully completed. The total cost came in higher than anticipated, and Mr. Patton asked the Board if they would be willing to increase the amount of funding they had committed to the project. There was discussion among the parties regarding the unanticipated construction issues that caused the extra costs.

Mr. Patton also provided an update on ongoing discussions with the College of Southern Idaho regarding the Pristine Springs property. Mr. Patton stated that there are other lease and sale possibilities with Pristine Springs. There was discussion among the parties regarding possible options.

**Agenda Item No. 13, Recharge Update** *(Neal Farmer, Staff)*

Mr. Farmer provided an update on ESPA recharge activities. He discussed managed recharge operations for spring 2014. At this time, 10,435 acre-feet has been recharged. Mr. Farmer also discussed additional recharge capacity development, including canal system modifications for winter recharge, the Walcott Recharge Site, the Milner Pool, and the Richfield Aquifer Recharge Site. There was discussion among the parties regarding potential upcoming opportunities for recharge and expanding recharge capacity.

**Agenda Item No. 14, Storage Studies** *(Cynthia Clark, Staff)*

Ms. Clark provided a status report on storage water studies. She discussed the Weiser-Galloway Project and the status of the Operational Analysis. The Corps is also completing hydraulic, economic and cost analyses for the project. There has been significant interest in the project by the media and several inquiries from the general public for project details. In response to this, Chairman Chase, Mr. Barker, and staff provided an update to city and county officials on May 1, 2014. A Water Storage Projects Committee meeting is tentatively being scheduled for August. There was discussion among the parties regarding the support of elected officials for the project, as well as the need for real-time flow data. Ms. Clark presented a draft resolution to the Board to commit funding for the Weiser Hydropower Integration Analysis and to provide signatory authority for an agreement to carry out the Analysis. There was discussion among the parties regarding the studies for the preliminary permit. Mr. Graham suggested that the phrase “may be shared” in the resolution be changed to “will be shared.” There was further discussion among the parties regarding the budget for the project and the Weiser River Trail.

Mr. Graham moved to approve the resolution with the suggested correction. Mr. Barker seconded the motion.

**Roll Call Vote:** Mr. Cuddy: Aye; Mr. Alberdi: Aye; Mr. Stevenson: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Absent; Mr. Graham: Aye; Mr. Barker: Aye; Chairman Chase: Aye. Motion passed.

Ms. Clark stated that the final Operational Analysis is expected to be completed by the end of the year. Ms. Clark discussed the Boise River Feasibility Study. An Environmental Impact Statement will be completed through the feasibility study process. Ms. Clark discussed public scoping meetings that have been held in Garden City, Boise, Caldwell, and Idaho City. The Corps hopes to complete the feasibility study by the fall of 2017. There was discussion among the parties regarding the public scoping meetings.

Ms. Clark provided an update on the Henrys Fork Basin Study. The final report was completed in April 2014. IDWR staff is compiling a supplemental report to summarize the findings of the Basin Study and generate recommendations to move forward with potential projects. Ms. Clark discussed the possibilities for engaging the public, including a possible advisory committee.

**Agenda Item No. 15, Idaho’s Missing Mountain Water** *(Charlie Luce, USFS)*

Mr. Luce gave a presentation on climate change effects and how climate change will affect Idaho water supplies in the future. He discussed trends in water yield quantities, declines in runoff, low-elevation precipitation, and the correlation with regional westerly wind speed. Mr. Luce discussed

climate change effects such as more rain and less snow, earlier runoff times, summer low flows, and longer wildfire seasons with greater extent. There was discussion among the parties regarding public response to this information, reservoir fill, long-term storage, streamflow, and stream temperatures.

**Agenda Item No. 17, Other Non-Action Items for Discussion**

Mr. Graham discussed the upcoming Board meeting in Bonners Ferry. Mr. Barker provided an update on Mr. Van Der Meulen. Copies of House Bill 479 and House Bill 547 were handed out to the Board per Mr. Barker's request. Mr. Patton discussed a possible meeting with the regional manager for the Bureau of Reclamation regarding the Island Park project.

**Agenda Item No. 18, Next Meetings and Adjourn**

The next Board meeting is scheduled for July 17<sup>th</sup> and 18<sup>th</sup> in Bonners Ferry. A field trip is scheduled for June 25<sup>th</sup> in Sun Valley. There was discussion among the parties about moving the field trip to the afternoon of June 24<sup>th</sup>. Mr. Stevenson made a motion to Adjourn, and Mr. Raybould seconded the motion. Voice Vote. All were in favor. Motion Carried.

The IWRB Meeting 5-14 adjourned at approximately 2:15 pm.

Respectfully submitted this \_\_\_\_\_ day of July, 2014.

---

Bob Graham, Secretary

---

Mandi Pearson, Administrative Assistant II

**Board Actions:**

1. Mr. Barker made a motion that the minutes for meeting 3-14 be approved as printed. Mr. Cuddy seconded the motion. Voice Vote. All were in favor. Motion passed.
2. Mr. Barker moved that the Board not adopt any changes to the State Water Plan and instead attempt to develop a resolution in response to the concerns raised by the legislature. Mr. Graham seconded the motion. Voice Vote. All were in favor. Motion passed.
3. Mr. Graham moved to approve the committee appointments. Mr. Raybould seconded the motion. Voice Vote. All were in favor. Motion passed.
4. Mr. Raybould moved to adopt the resolution allocating Pristine Springs loan repayments to the statewide aquifer monitoring, measurement and modeling effort. Mr. Cuddy seconded the motion. Roll Call Vote. 6 Ayes, 1 Nay, 1 Absent. Motion passed.
5. Mr. Barker made a motion to amend the agenda to move up the Director's Report. Mr. Raybould seconded. Voice Vote. All were in favor. Motion Passed.
6. Mr. Graham moved to approve the resolution in the matter of the Weiser Hydropower Integration Project with the suggested correction. Mr. Barker seconded the motion. Roll Call Vote. 7 Ayes, 1 Absent. Motion Passed.



# IDAHO WATER RESOURCE BOARD

## MEETING MINUTES 6-14

**C.L. "Butch" Otter**  
Governor

Idaho Water Center  
Conference Room 602D  
322 East Front St, Boise ID 83720

May 22, 2014

**Roger W. Chase**  
Chairman  
Pocatello  
District 4

**Peter Van Der Meulen**  
Vice-Chairman  
Hailey  
At Large

**Bob Graham**  
Secretary  
Bonners Ferry  
District 1

**Charles "Chuck"  
Cuddy**  
Orofino  
At Large

**Vince Alberdi**  
Kimberly  
At Large

**Jeff Raybould**  
St. Anthony  
At Large

**Albert Barker**  
Boise  
District 2

**John "Bert" Stevenson**  
Rupert  
District 3

Chairman Roger Chase called the meeting to order at approximately 8:15 am. There were five Board members present. Mr. Peter Van Der Meulen, Mr. Chuck Cuddy, and Mr. Bob Graham were absent. A quorum was present.

### Agenda Item No. 1, Roll Call

#### *Board Members Present*

Roger Chase, Chairman  
Vince Alberdi  
Jeff Raybould

Bert Stevenson  
Albert Barker

#### *Staff Members Present*

Brian Patton, Planning Bureau Chief  
Helen Harrington, Planning Section Manager  
Morgan Case, Staff Biologist  
Amy Cassel, Project Coordinator  
Mandi Pearson, Administrative Assistant

### Agenda Item No. 2, Bohannon Creek Water Transaction

Ms. Case discussed a potential water transaction on Bohannon Creek. During the early portion of the irrigation season, Bohannon Creek typically becomes dewatered below the lowest diversion. This spring, Idaho Department of Fish and Game (IDFG) staff observed steelhead redds in Bohannon Creek. In order to prevent the stream from dewatering and ensure the redds would not dry up during the critical incubation period, IDFG, Board staff, and the Governor's Office of Species Conservation have worked with Bohannon Creek irrigators to maintain flows in the lower reaches. Staff initiated negotiations to compensate water users for spilling up to 2 cfs in lower Bohannon Creek through participation in the Idaho Water Transaction Program.

Ms. Case proposed compensation of \$80.65/24-hr cfs. The compensation would cover the Lemhi River pumping costs and some loss in production. Additional funds in the amount of \$1775 for each of the two participants would compensate for flows voluntarily left instream during the negotiation process. The total compensation would not exceed \$10,164. Funds will come through

the Columbia Basin Water Transactions Program.

Mr. Raybould moved to adopt the resolution to make a funding commitment in the matter of the 2014 Bohannon Creek Water Transaction Contract. Mr. Alberdi seconded the motion.

Roll Call Vote: Mr. Cuddy: Absent; Mr. Alberdi: Aye; Mr. Stevenson: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Absent; Mr. Graham: Absent; Mr. Barker: Aye; Chairman Chase: Aye. Motion passed.

**Agenda Item No. 3, Adjourn**

Mr. Raybould made a motion to Adjourn, and Mr. Stevenson seconded the motion. Voice Vote. All were in favor. Motion Carried.

The IWRB Meeting 6-14 adjourned at approximately 8:20 am.

Respectfully submitted this \_\_\_\_\_ day of July, 2014.

---

Bob Graham, Secretary

---

Mandi Pearson, Administrative Assistant II

**Board Actions:**

1. Mr. Raybould moved to adopt the resolution to make a funding commitment in the matter of the 2014 Bohannon Creek Water Transaction Contract. Mr. Alberdi seconded the motion. Roll Call Vote. All were in favor. Motion passed.

MATERIALS FOR THIS SECTION WILL BE PROVIDED AT THE MEETING.

## Memorandum

To: Idaho Water Resource Board (IWRB)

From: Neeley Miller, IDWR Planning Bureau

Date: July 3, 2014

RE: North Idaho Future Water Demand

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### ACTIONS:

Consider request to provide funding for Rathdrum Prairie CAMP Future Water Demand Study Proposal in the amount of \$201,000

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### Rathdrum Prairie CAMP Future Water Demand Study Proposal

House Bill 479 authorizes the one-time appropriation in the amount of \$15 million to the Idaho Water Resource Board. Projects identified for the \$15 million include \$500,000 to conduct joint water need studies to determine extent of future water needs in coordination with Northern Idaho communities prior to any interstate water dispute with the State of Washington to ensure water availability for future economic development.

The Rathdrum Prairie Comprehensive Aquifer Management Plan (RP CAMP) identifies “studies necessary to support RAFN water right applications” as a critical action item for RP CAMP implementation. The Idaho Water Resources Research Institute (IWRRI) was asked by Rathdrum Prairie municipal water providers to develop a proposal to determine extent of future water needs to ensure availability for future economic development. If funded and implemented, this proposal meets the Legislature’s intent included in HB 479. This proposal has been shared with IDWR staff familiar with RAFN applications; staff has indicated the tasks identified in the proposal appear to be useful for obtaining necessary information for RAFN applications.

This proposal was floated through e-mail to the Rathdrum Prairie Advisory Committee in June 2014. The proposal received support from five advisory committee members and received no objections.

Staff is bringing this proposal (see attachment #1) to the Board for funding consideration. Mark Solomon (IWRRI) is here today to provide you with a presentation on the proposed work. A resolution is attached for your consideration.

### Rathdrum Prairie Water Rights Discussion

Paul Klatt (JUB Engineers) is bringing forward a concept to the Board for discussion. Paul is a former Rathdrum Prairie CAMP Advisory Committee member. He has continued to remain actively involved in RP CAMP implementation activities.

Attachment #2 to this memo is an e-mail from Paul Klatt to Board staff and the RP CAMP Advisory Committee briefly introducing his concept and Paul is here today to discuss this concept more thoroughly with the Board.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF PROJECTS ASSOCIATED )  
WITH JOINT WATER NEED STUDIES IN )  
COORDINATION WITH NORTHERN IDAHO )  
COMMUNITIES TO ENSURE WATER AVAILABILITY )  
FOR FUTURE ECONOMIC DEVELOPMENT )  
\_\_\_\_\_ )

A RESOLUTION  
TO ALLOCATE  
FUNDS

WHEREAS, the Idaho Legislature passed HB 479 in 2014 to provide a one-time supplemental appropriation in the amount of \$15 million from the General Fund and transfers that money to two funds administered by the Idaho Water Resource Board; and

WHEREAS, the bill provides for the transfer of \$10.5 million to the Revolving Development Fund and \$4.5 million to the Secondary Aquifer Planning, Management and Implementation Fund; and

WHEREAS, Projects from the Secondary Aquifer Management Fund include \$500,000 to conduct joint water need studies in coordination with Northern Idaho communities to ensure water availability for future economic development; and

WHEREAS, in coordination with Rathdrum Prairie municipal providers the Idaho Water Resource Research Institute (IWRRI) developed a proposal of work to determine extent of future needs to ensure water availability for future economic development; and

WHEREAS, the Rathdrum Prairie CAMP Advisory Committee reviewed the proposal electronically and five advisory committee members expressed support and no members opposed the proposal; and

WHEREAS, the proposal developed by IWRRI and the Rathdrum municipal providers meets the Legislature's intent included in HB 479; and

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the expenditure of a total of \$201,000 from IWRB Secondary Aquifer Management Account for the Rathdrum Prairie CAMP Future Water Demand Proposal.

DATED this 18<sup>th</sup> day of July, 2014

\_\_\_\_\_  
Roger Chase, Chairman  
Idaho Water Resource Board

ATTEST \_\_\_\_\_  
Bob Graham, Secretary

# **Rathdrum Prairie Aquifer RAFN Service Area/Municipal Future Demand Study and Integrated Water Resource Management Plan**

## **Proposed Work Plan Requested IWRB Funding: \$201,000**

### Summary:

Applications for Reasonably Anticipated Future Need (RAFN) municipal water rights require description of four components: service area, planning horizon, population projection, and water demand projection. The Rathdrum Prairie Aquifer Comprehensive Aquifer Management Plan (RPCAMP) identifies “studies necessary to support Reasonably Anticipated Future Needs (RAFN) water right applications” as a critical action item for RPCAMP implementation (RPCAMP, 14). It further calls for “assess(ing) the Rathdrum Prairie Aquifer Water Demand Projections study on a regular basis” (RPCAMP, 15), and “provid(ing) a forum to consider whether local jurisdictions should coordinate and apply for a Reasonably Anticipated Future Needs water right” (RPCAMP, 17). This four-component proposed work plan is designed to address these action items by: (1) convening water providers in a mediation environment to establish mutually agreed upon provider service areas for developable land likely to be served by groundwater from the Rathdrum Prairie Aquifer (RPA); (2) updating the existing demand section of the 2010 water demand study to reflect current demand for RPA groundwater; (3) developing a thirty-year (2045) Population Projection and Water Demand Projection for the RPA based on the updated existing demand study, current population and economic data, and community planning processes; (4) establishing an existing water rights portfolio and demand projection based gap analysis for RP service providers; and (5) developing an RPA Integrated Water Resource Management Plan that balances RPA water withdrawals, regional wastewater/stormwater assimilative capacity, and ecological streamflow.

### Background

Thirty-nine water providers deliver groundwater to municipal customers over and adjoining the RPA. Legally defined as municipal providers<sup>1</sup>, the four incorporated cities (type ‘a’), eight water districts, eleven water associations, four irrigation districts and twelve other corporations (types ‘b’ and ‘c’) are distinguished by service areas<sup>2</sup> reflective

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<sup>1</sup> a) A municipality that provides water for municipal purposes;

b) Any corporation or association holding a franchise to supply water for municipal purposes, or a political subdivision of the state of Idaho authorized to supply water for municipal purposes, and which does supply water, for municipal purposes to users within its service area; or

c) A corporation or association which supplies water for municipal purposes through a water system regulated by the state of Idaho as a “public water supply” as described in I.C. § 39-103(12).

(Idaho Code §42-202B(5))

<sup>2</sup> "Service area" means that area within which a municipal provider is or becomes entitled or obligated to provide water for municipal purposes. For a municipality, the service area shall correspond to its corporate limits, or other recognized boundaries, including changes therein, after the permit or license is issued. The service area for a municipality may also include areas outside its corporate limits, or other recognized boundaries, that are within the municipality's established planning area if the constructed delivery system for the area shares a common water distribution system with lands located within the corporate limits. For a municipal provider that is not a municipality, the service area shall correspond to the area that it is authorized or obligated

of incremental growth, geography and customer location rather than service areas arrived at through a planning process.

While several of the providers' service areas are now bounded by those of others, the rest continue to expand as development occurs and requests for service are made. Market forces have served the providers adequately in the past to settle which one would provide service to developments outside existing service area boundaries. The market approach is not compatible, however, with the needs of a RAFN application and its projected population and water demand requirements. A complete RAFN application must include descriptions of the applicant's "service area, planning horizon, population projection within the planning horizon, and water demand (necessary to serve the population during the planning horizon throughout the service area)" (IDWR, 2013).

When evaluating future population and water demand on the RPA, there is an additional factor that must be considered: the wastewater and storm water assimilative capacity of the Spokane River. Water withdrawn from the aquifer not consumptively used returns to the aquifer and the river, most often after treatment in residential septic systems or municipal wastewater treatment plants. Stormwater runoff from impermeable surfaces and infiltration saturated soils contributes an additional nutrient load. An Integrated Water Resource Management plan will balance the projected future demand for water resources with wastewater and storm water discharge constraints and ecological flow requirements.

#### Study Component #1: Service Area Mediation (RPCAMP Objectives #1 and #2)

Background: Of the four incorporated cities on the RPA, only one has significant undeveloped land within its service area. There are approximately 35,000 acres of undeveloped agricultural lands situated outside established planning boundaries that could be potentially served by one or more of eight different water providers. There are also several instances of service area overlap between a city's Area of City Impact (ACI) and the existing service areas of non-city providers, and overlap of non-city provider service areas.

Objective: The expected outcome of the plan of work for this study component will be a consensus agreement among RPA municipal water providers delineating their service areas and decreasing potential for water conflicts.

Rationale: A consensus agreement among RPA water providers may serve as the basis for a memorandum of agreement or other legal instrument that will satisfy §42-202B(9)'s "authorized or obligated to serve" requirement for the undeveloped lands outside existing service areas, and to clarify boundaries where there is existing planning or service area overlap necessary to ensure that any RAFN applications that may follow from the agreement meet the "no-overlap" requirement of I.C. §42-202B(8).

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to serve, including changes therein after the permit or license is issued.

(Idaho Code §42-202B(9))

Tasks:

- Secure agreement from providers to participate in mediation
- Establish process and timeline to provide results in a timely manner necessary to support potential RAFN applications
- Collect information on projected service areas from providers including location(s) and ability to serve areas with existing infrastructure
- Map projected service areas in GIS format
- Identify potential areas of conflict and un-served areas
- Provide meeting space for mediation
- Mediate conflicts
- Determine providers for un-served areas outside provider projected service areas (if any)
- Prepare memorandum of agreement or other legal instrument for provider consideration including service areas map and supporting documentation
- Report outcome to providers and IWRB

Study Component #2: Updating Existing Demand Study (RPCAMP Objective #1)

Background: The last study of existing RPA water demand was completed in 2010 by SPF Water Engineering, LLC., AMEC Earth and Environmental, Idaho Economics, and Taunton Consulting, with guidance from the IWRB, Idaho Department of Water Resources (IDWR), and the Advisory Committee. The SPF report reflects data collected in 2007. Since then, Kootenai County population has increased an estimated 7.3% (U.S. Census).

Objective: Update SPF report to current usage/demand.

Rationale: Key to projecting future water demand is an accurate assessment of existing demand.

Tasks:

- Collect current data from providers
- Stratify by sector (domestic, commercial, industrial, and municipal)
- Determine per capita water use, and per employee water use by sector.
- Estimate exempt well withdrawals
- Estimate water use for large, self-supplied water users.
- Estimate agricultural irrigation withdrawals.
- Calculate unaccounted for water
- Calculate total RPA existing demand
- Build water demand GIS layer
- Report findings to providers and IWRB

Study Component #3: 30-Year RPA Population Projection and Water Demand Projection (RPCAMP Objective #1)

Background: The last projection of RPA population and water demand was completed in 2010 by SPF Water Engineering, LLC., AMEC Earth and Environmental, Idaho Economics, and Taunton Consulting, with guidance from the IWRB, Idaho Department of

Water Resources (IDWR), and the Advisory Committee. The SPF report reflects data collected in 2007. The SPF report used a hybrid method of population projections, based in part on the Idaho Economic Forecasting Model, and a mathematical extrapolation of historic data to extend projections from 2035 to 2060. Since then, Kootenai County population has increased an estimated 7.3% (U.S. Census).

**Objectives:** Develop a geo-located 30-year RPA population projection utilizing economic, population and demographic trend analysis. Develop a geospatially located 30-year RPA water demand projection utilizing the population projection and the output of Study Component #2.

**Rationale:** Municipal providers may currently apply for a well permit with a 5-year proof of use period that may be extended up to an additional ten years by IDWR. A 30-year planning horizon provides the necessary incentive for RPA providers to engage in the intensive task of preparing and submitting RAFN applications. The RPCAMP Water Demand Projections Study (SPF, 2010) utilized a 50-year planning horizon.

Population projections required for submitting a RAFN need to consider economic shifts as well as population growth. This study will analyze previous projection data from area planning agencies, the US Census Bureau, and the 2010 SPF study as a basis for developing 30-year population projections. This study will utilize the Idaho Economic Forecasting Model through 2040, and mathematical extrapolations of trends for the remainder of the 30-year planning window. These trends will guide population projection development, using both total and cohort component methods, including 5-year incremental projections. Interviews will be conducted with municipal and regional planning staff to verify employment and demographic trends. GIS will be used to demonstrate anticipated spatial distribution of the changing population. This distribution combined with outputs from Study Component #2 will be used to analyze water demand in the different service areas.

**Tasks:**

- Collect current demographic and economic data, including interview data
- Analyze existing population projections
- Model population change over 30 year period
- Determine trends for water demand based on population projections
- Model change in water demand based on population projections and existing demand analysis in GIS
- Report to providers and IWRB.

**Study Component #4: Water Rights Gap Analysis**

**Background:** Justification for a RAFN water right is based on the premise that existing water rights are not sufficient to supply projected water demand.

**Objective:** Determine the gap between existing provider-held water rights and projected water demand for the RP cumulatively and each water provider specifically.

**Rationale:** A provider-based gap analysis is necessary to support potential RAFN applications while a cumulative analysis will assist IDWR in its discussions with WADOE.

Tasks:

- Build a portfolio of existing water rights data
- Compare existing water rights with water demand projection
- Build water rights GIS layer
- Prepare a gap analysis report for municipal RPA water use cumulatively and by water provider specifically

Study Component #5: RPA Integrated Water Resource Management Plan (RPCAMP Objective #1 and #2)

Background: Integrated Water Resource Management (IWRM) is described by the American Water Resources Association as: “the coordinated planning, development, protection, and management of water, land, and related resources in a manner that fosters sustainable economic activity, improves or sustains environmental quality, ensures public health and safety, and provides for the sustainability of communities and ecosystems”. No IWRM exists for the RPA’s tightly coupled issues of water resource availability, future water demand projection, and wastewater/stormwater infrastructure capacity and discharge. Thirty-nine water providers serve the municipal customers of the RPA. Three wastewater providers serve sewered development on the RPA: Hayden Area Regional Sewer Board (HARSB), the City of Post Falls (including effluent from the City of Rathdrum), and the City of Coeur d’Alene. The Rathdrum Prairie Wastewater Master Plan was created in 2008, identifying future wastewater service areas and projected infrastructure needs. There are five stormwater permittees discharging to the Spokane River or other RPA connected waterbodies: the City of Coeur d’Alene, City of Post Falls, Post Falls Highway District, Idaho Transportation Department and Lakes Highway District.

Objective: Develop an IWRM as a tool for water and wastewater providers on the RPA that will assist IWRB and RPA users/providers in planning development and infrastructure and preventing/resolving water conflicts.

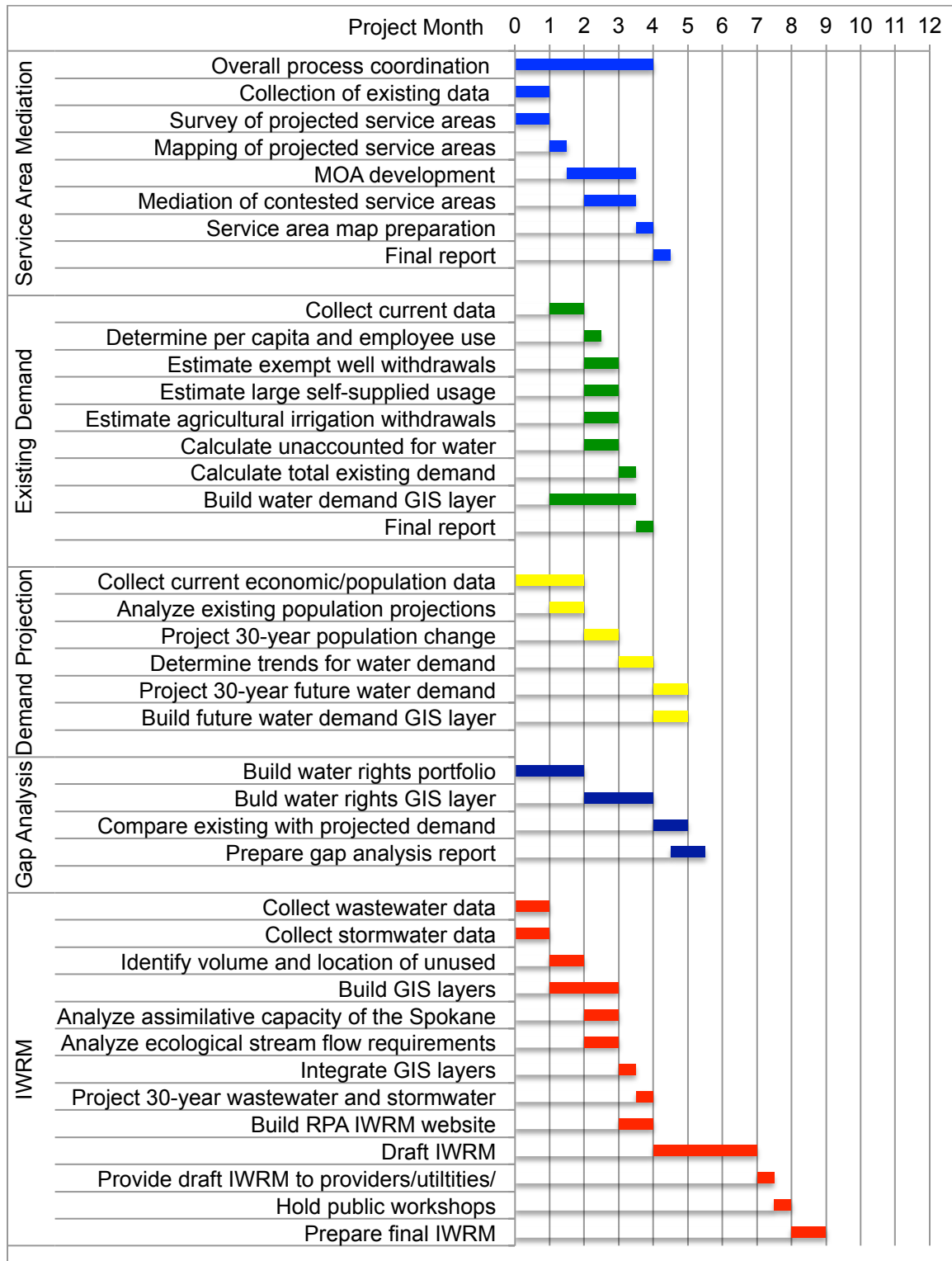
Rationale: SPF reported 47% of RPA water withdrawn is returned to the river and aquifer as non-consumptively, nutrient enriched wastewater via septic system and municipal wastewater treatment plant discharge. The Spokane River is tightly regulated for nutrient inputs under the Spokane River Dissolved Oxygen Total Maximum Daily Load, affecting the timing and location of aquifer withdrawals and wastewater discharges in this hydraulically connected river/aquifer environment. The IWRM will be based on the output of Study Components #1 and #3, existing wastewater and stormwater discharges, current and projected wastewater and storm water infrastructure capacity, regulation-based projected assimilative capacity of the river and aquifer, and ecological stream flow requirements.

Tasks:

- Collect data on current wastewater discharges and infrastructure capacities
- Collect data on current stormwater discharges and infrastructure capacities
- Identify volume and location of unused capacities
- Build current wastewater and stormwater service areas GIS layers

- Analyze projected nutrient assimilative capacity of the Spokane River
- Analyze ecological stream flow requirements
- Integrate wastewater and stormwater GIS layers with GIS layers developed in Study Components #1 and #3
- Project 30-year wastewater and stormwater service demands by water and wastewater service areas and un-served areas
- Build RPA IWRM website for dissemination of IWRM information
- Draft RPA IWRM
- Provide draft IWRM to RPA water, wastewater and stormwater providers/utilities and the interested public for review and comment
- Hold public workshops
- Prepare final IWRM for submittal to providers/utilities and to IWRB

**Timeline:** The project timeline is designed to deliver products to RPA municipal water providers in a manner necessary to support timely RAFN applications. Results from study components #1-3 will be delivered by 12/31/14 and by 1/15/15 for #4. The IWRM will be delivered by March 31, 2015. All anticipate an 8/1/14 project start date.



**Estimated IWRB Funding: \$201,000**Study Component #1: Service Area Mediation

Mediation Services:	\$30,000
GIS Services:	5,000
Subtotal Component #1:	\$35,000

Study Component #2: Update Existing Demand Study

Data Collection:	\$10,000
Analysis	10,000
GIS Services	5,000
Subtotal Component #2:	\$25,000

Study Component #3: 30-Year RPA Population Projection and Water Demand Projection

Data Collection	\$10,000
Population Projections	10,000
Water Demand Projections	5,000
GIS Services	5,000
Subtotal Component #3:	\$30,000

Study Component #4: Water Rights Gap Analysis

Data Collection	\$ 5,000
GIS Services	2,500
Gap Analysis	5,000
Subtotal Component #4:	\$12,500

Study Component #5: 30-Year RPA Integrated Water Resource Management Plan

Data Collection	\$10,000
Data Analysis	20,000
GIS Services	5,000
Wastewater/Stormwater Projections	10,000
Website	2,500
Draft IWRM	12,500
IWRM Public Workshops	2,500
Prepare Final IWRM	2,500
Subtotal Component #4:	\$65,000

<b>Total Direct Cost</b>	<b>\$167,500</b>
20% F&A	33,500
<b>Total Funds Requested</b>	<b>\$201,000</b>

Matching funds/in-kind:

IWRRI:	\$39,362
City of Post Falls:	1,752
Avondale Irrigation District:	1,784
North Kootenai Water and Sewer District:	2,000
Hayden Lake Irrigation District	7,742
Hauser Lake Water Association:	1,240
<b>Total Match</b>	<b>\$53,880 (26%)</b>



## **Idaho Water Resources Research Institute**

### **Moscow**

214 Morrill Hall  
PO Box 443010  
Moscow, ID 83844  
(208) 885-6337

### **Boise**

322 Front Street  
Suite 242  
Boise, ID 83720  
(208) 332-4422

### **Idaho Falls**

1776 Science Center Drive  
Suite 306  
Idaho Falls, ID 83402  
(208) 282-7985

**University of Idaho**

Date: July 1, 2014

To: Idaho Water Resources Board

Re: RAFN Study Funding Match

The Idaho Water Resources Research Institute is pleased to offer in-kind matching funds of \$39,361.50 based on an estimated \$167,500 research contract between IWRB and IWRRI to accomplish the Rathdrum Prairie RAFN plan of work. IWRRI's match is the forgiven F&A costs associated with the difference between the State Negotiated F&A rate of 20%, and the UI's federally approved rate of 45.3% F&A.

Sincerely,

A handwritten signature in black ink, appearing to read "John C. Tracy".

John Tracy, Director



HAUSER LAKE WATER ASSOCIATION  
PO BOX 3468, POST FALLS, ID 83877

July 2, 2014

Idaho Department of Water Resources  
322 East Front Street  
PO Box 83720  
Boise, Idaho 83720-0098

To Whom It May Concern:

The Hauser Lake Water Association (HLWA) recognizes the need for, and supports, the future needs study for the Rathdrum Prairie Aquifer water purveyors as proposed by the Idaho Water Resources Research Institute (IWRRI). HLWA is willing to show its support for the study by providing in-kind support in the form of staff and Board time and assistance to the researchers with a value of approximately \$1,240.00.

Sincerely,  
Hauser Lake Water Association

A handwritten signature in blue ink, appearing to read 'Patrick Travis', with a stylized flourish extending from the end.

Patrick Travis  
Board President

# IWRRI Future Water Demand Study

## In Kind Contributions: Hauser Lake Water Association

	Hours		Wage		Total
<b>1) Support Service Area Mediation</b>					
<u>Data collection</u>					
Board	6	\$	45.00	\$	270.00
Admin	2	\$	23.75	\$	47.50
<u>Mediation</u>					
Board	4	\$	45.00	\$	180.00
<b>2) Support Update of Existing Study</b>					
<u>Sector use &amp; per capita use data</u>					
Water Staff	4	\$	31.25	\$	125.00
Admin	4	\$	23.75	\$	95.00
Board	8	\$	45.00	\$	360.00
<b>3) Support 30 Population Project Development</b>					
<u>No Support Anticipated</u>					
<b>4) Support Water Rights Gap Analysis</b>					
<u>Summarize Existing Rights</u>					
Admin	2	\$	36.27	\$	72.54
Board	2	\$	45.00	\$	90.00
<b>5) Support IWRM Plan</b>					
<u>Not applicable to HLWA</u>					
<b><u>Total In-Kind Support</u></b>					\$ 1,240.04

# HAYDEN LAKE IRRIGATION DISTRICT

2160 W. Dakota Ave.  
Hayden, Idaho 83835-5122  
PH (208) 772-2612 FAX (208) 772-5348  
[www.haydenirrigation.com](http://www.haydenirrigation.com)

July 2, 2014

Idaho Water Resources Board  
The Idaho Water Center  
322 East Front Street  
PO Box 83720  
Boise, Idaho 83720-0098

## **RE: IWRRI Proposal to Provide Services to the Rathdrum Prairie CAMP**

Dear Board Members:

Hayden Lake Irrigation District offers its support to the current proposal from the Idaho Water Resources Research Institute (IWRRI) to provide services for the Rathdrum Prairie Comprehensive Aquifer Management Plan.

The District has supported the RP-CAMP project from its inception and continues to do so. This proposal furthers the goals set by the RP-CAMP advisory committee.

The District appreciates the Water Resources Board support of the Rathdrum Prairie Aquifer, its management plan and northern Idaho water resources. Thank you for the opportunity to provide support and comment.

Sincerely,



Alan Miller  
Administrator

# IWRRRI Future Water demand Study

In kind contributions- Hayden Lake Irrigation District		Hours	Cost	Total
Task 1	Service Area Mediation	40	\$43.25	\$1,730.00
Task 2	Update of Existing Study	40	\$46.10	\$1,844.00
Task 3	Population Projection Development	10	\$48.00	\$480.00
Task 4	Water Rights Gap Analysis	40	\$46.10	\$1,844.00
Task 5	IWRM Plan	40	\$46.10	\$1,844.00
		Total		\$7,742.00

This is a summary of the time Hayden Lake Irrigation District anticipates spending during the IWRRRI project to update the water demand and additional effort as described in the proposal.



## North Kootenai Water & Sewer District

13649 N. Meyer Rd. • Rathdrum, ID 83858  
Phone: (208) 687-6593 • Fax: (208) 687-6597  
www.nkwsd.com

June 18, 2014

Mark Solomon, Ph.D.  
Idaho Water Resources Research Institute  
875 Perimeter Dr. MS 3006  
Moscow, ID 83844-3006

RE: North Kootenai Water & Sewer District In-Kind Project Contribution

Dear Mark,

I would like to take the opportunity to thank you and the staff of IWRRI for the excellent and expeditious work on preparation of the Northern Idaho RAFN Work Studies Plan document.

NKWSD proposes an "in-kind" contribution to the Work Studies Plan. This contribution would consist of the following:

1. District staff labor to compile pumping data in an Excel format (Study Component #2)
2. Provide District service area information in ArcGIS format (Study Component #1)
3. Provide future anticipated service area boundaries in ArcGIS format (Study Component #1)
4. Provide populations of existing service area, and project future populations within our existing service areas (Study Component #3)
5. Provide detailed information on NKWSD's extensive water right portfolio (Study Component #4)
6. Provide District water right overlay on ArcGIS format (Study Component #4)

If there are additional items that NKWSD can provide to expedite the Work Studies Plan, we are willing to contribute our staff time to accomplish this goal.

I would like to thank the Idaho Water Resource Board for their consideration of this funding request.

Sincerely,

Mike Galante  
District Manager

Encl - spreadsheet

MG/dw

cc: Board of Directors, North Kootenai Water District  
Necia Maiani, P.E., Welch Comer Engineering, 350 E Kathleen, Coeur d'Alene ID 83815  
Brian Werst, Attorney, K & L Gates, 618 W Riverside Ave #300, Spokane WA 99201  
File

Northern Idaho RAFN Work Studies Plan  
In Kind Contribution: North Kootenai Water & Sewer District

Description	Estimated Hours	Cost	Total
Component 1 Service Area			
GIS Mapping of NKWSD consultant hrs	Lump Sum		\$ 300.00
Mediation time	8	\$ 43.77	\$ 350.16
Component 2 Updating Existing Demand Study			
Data Collection: NKWSD staff	16	\$ 43.77	\$ 350.16
Component 3: 30 year population projection			
No contribution			
Component 4: Water Rights Gap Analysis			
NKWSD consultant	Lump Sum		\$ 1,000.00
Component 5: Integrated Water Management			
No contribution			
Total NKWSD In Kind Contribution			\$ 2,000.32



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Public Works Division  
Water Department

June 16, 2014

Idaho Department of Water Resources  
322 East Front Street  
PO Box 83720  
Boise, Idaho 83720-0098

To Whom It May Concern:

The City of Post Falls supports the proposal by the Idaho Water Resources Research Institute (IWRRI) to conduct a future water needs study for the Rathdrum Prairie Aquifer water purveyors both in concept and through a commitment to in-kind support of the proposed study. The City will provide in-kind support in the form of staff assistance to researchers with a value of approximately \$1751.60.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry C. Werner", is written over a light blue horizontal line.

Terry C. Werner

Public Services Director  
City of Post Falls  
408 N. Spokane St.  
Post Falls, ID 83854

# IWRRI Future Water Demand Study

## In Kind Contributions: Post Falls

	Hours	Wage	Total
<b>1) Support Service Area Mediation</b>			
<u>Data Collection</u>			
Staff/IT	8	\$ 35.68	285.44
<u>Mediation</u>			
Admin	16	\$ 36.27	580.32
<b>2) Support Update of Existing Study</b>			
<u>Data Collection</u>			
Water Staff	16	\$ 28.31	452.96
<u>GIS Info Transmittal</u>			
IT	4	\$ 35.68	142.72
<b>3) Support 30 Population Project Development</b>			
<u>No Support Anticipated</u>			
<b>4) Support Water Rights Gap Analysis</b>			
<u>Summarize Existing Rights</u>			
Admin	4	\$ 36.27	145.08
<b>5) Support IWRM Plan</b>			
<u>Summary Wastewater/Surface Water Infrastructure</u>			
Admin	4	\$ 36.27	145.08
<b><u>Total In-Kind Support</u></b>			1751.6

# AVONDALE IRRIGATION DISTRICT

*Providing Exceptional Drinking Water & Service Since 1908*

July 3, 2014

Idaho Department of Water Resources  
322 East Front Street  
P.O. Box 83720  
Boise, ID 83720-0098

Re: **Commitment for In-Kind Support**

To Whom It May Concern:

Avondale Irrigation District is in full support of the proposal by the Idaho Water Resources Research Institute (IWRRI) to conduct a future water needs study for the Rathdrum Prairie Aquifer. We will provide in-kind support in the form of assistance from our staff with an approximate value of \$1,751.60.

We look forward to working toward future goals and water needs for Idaho purveyors over the Rathdrum Prairie aquifer.

Sincerely,



Bob Chandler  
District Manager

# IWRRI Future Water Demand Study

## In Kind Contributions: Avondale Irrigation District

	Hours	Wage	Total
<b>1) Support Service Area Mediation</b>			
<u>Data Collection</u>			
Staff/IT	10	\$ 27.50	275
<u>Mediation</u>			
Admin	12	\$ 33.66	403.92
<b>2) Support Update of Existing Study</b>			
<u>Data Collection</u>			
Water Staff	20	\$ 27.50	550
<u>GIS Info Transmittal</u>			
IT	5	\$ 43.75	218.75
<b>3) Support 30 Population Project Development</b>			
<u>No Support Anticipated</u>			
<b>4) Support Water Rights Gap Analysis</b>			
<u>Summarize Existing Rights</u>			
Admin	7	\$ 33.66	235.62
<b>5) Support IWRM Plan</b>			
<u>Summary Wastewater/Surface Water Infrastructure</u>			
Admin	3	\$ 33.66	100.98
<b><u>Total In-Kind Support</u></b>			1784.27

**From:** Paul Klatt [<mailto:pklatt@jub.com>]

**Sent:** Wednesday, June 25, 2014 1:16 PM

**To:** Patton, Brian

**Cc:** Chase, Roger (IWRB Member); Al Isaacson; andy dunau; Bruce Howard; Dale Peck; Alan; Dick Martindale; Jim Markley; Jonathan Mueller; Bruce Cyr; Ken Windram; Kermit Kiebert; Laura Laumatia; Linda Kiefer; Michael Neher; Mike Clary; Ron Wilson; Todd Tondee; Graham, Bob (IWRB Member); Cuddy, Charles (IWRB Member); Miller, Neeley; Case, Morgan; Franklin, Keith; Harrington, Helen; Mike Galante ([Mikeg@NKWSD.COM](mailto:Mikeg@NKWSD.COM))

**Subject:** Requested Agenda Item for July 16-17 IWRB meeting - Rathdrum Prairie CAMP Water Rights

Brian,

Per our conversation last month, I have followed up the concept of the Idaho Water Resources Board applying for and holding the water rights identified in the Rathdrum Prairie CAMP: (see pages 10-12, [http://www.idwr.idaho.gov/waterboard/WaterPlanning/CAMP/RP\\_CAMP/pdf/2011/RP\\_CAMP\\_final\\_Adopted\\_Plan.pdf](http://www.idwr.idaho.gov/waterboard/WaterPlanning/CAMP/RP_CAMP/pdf/2011/RP_CAMP_final_Adopted_Plan.pdf)).

The concept is to utilize the significant planning and technical work that was done as part of the CAMP to establish an appropriate priority date, volume, rate, and method of transfer to those that would ultimately deliver the water to the benefiting Idahoans. The work was deliberative, reasonable, and substantive and it seems appropriate for that purpose. I understand that, while this resembles a RAFN request, it is different in several respects and those differences must be addressed, perhaps even with some legislative modifications. This concept not intended to duplicate or substitute for the parallel work being proposed by the CAMP for IWRRI to update water demand studies and individual RAFN preparation steps. I have discussed this concept by telephone with Chairman Chase as well as Board Members Graham and Cuddy who generally support investigation of this concept and are copied here. Bob Graham also said that Senator Keough is planning to attend your July meeting so I will plan to call her as well if this becomes an agenda item. I have also copied this to the CAMP members that Helen Harrington copies on the other work. Several are already aware of the concept and my desire to explore it. While I am no longer on the CAMP Committee, I did serve from its inception

As a result, I am formally requesting this item to be placed on your agenda for the meeting in Bonners Ferry July 16-17.

I have presented to the Board in the past and am willing to so at your July meeting. However, I would like your guidance as to what I should present, how, and when. If this concept becomes an agenda item please let me know what would be most helpful in these discussions.

Again, thank your for taking the time to explore this important issue for the folks over the Rathdrum Prairie Aquifer.

**Paul A. Klatt, P.E.** (ID/MT/WA)

*Assistant Area Manager/Project Manager*

**J-U-B ENGINEERS, Inc.**

7825 Meadowlark Way, Coeur d'Alene, ID 83815

p | 208 762 8787 f | 208 762 9797 e | [pklatt@jub.com](mailto:pklatt@jub.com)



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## Memorandum

To: Idaho Water Resource Board (IWRB)

From: Neeley Miller, IDWR Planning Bureau

Date: July 3, 2014

RE: Spokane River Forum Conference Funding Request



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ACTIONS: Consider request to provide funding in support of the Spokane River Conference

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### Spokane River Forum

The Spokane River Forum has submitted a request to support the Spokane River Conference scheduled for November 18<sup>th</sup>-20<sup>th</sup> in Coeur d'Alene, Idaho. The Spokane River Forum organizers are requesting a \$5,000 contribution. A copy of the e-mail request is attached.

The Spokane River Forum (SRF) is a clearinghouse of information about the Spokane River and more recently has been involved with the regional water issues, including the Spokane Valley-Rathdrum Prairie Aquifer. Andy Dunau, Executive Director of the SRF, is an active member of the RP CAMP Advisory Committee and is familiar with the RP CAMP goals and objectives. The 2014 Spokane River Conference brings together the public, technical experts and researchers, water users and government representatives from all levels to learn about and discuss regional water issues and solutions.

The Board provided \$3,000 for the 2013 Spokane River Conference. Staff recommends continuing to support the Spokane River Conference because the Spokane River Forum supports the following CAMP actions:

1. Objective #2: Prevent and Resolve Water Conflicts
  - a. Regional discussion and encouraging cooperation for Spokane Valley-Rathdrum Prairie Aquifer water issues;
  - b. Encourage mechanism that resolve local issues before they become conflicts;
2. Objective #3: Protect the Aquifer, through bringing the key agencies together in an effort to address overlapping jurisdictions with the goal of improving efficiency and sharing knowledge; and
3. Adaptive Management, Monitoring and Data Gathering: Present information about the development and maintenance of state-of-the-art monitoring and evaluation tools that provide the information necessary to make sound planning decisions for the future

Attached to this memo is a resolution for your consideration.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF PROJECTS ASSOCIATED )  
WITH RATHDRUM PRAIRIE COMPREHENSIVE )  
AQUIFER MANAGEMENT PLAN )  
\_\_\_\_\_ )

A RESOLUTION  
TO ALLOCATE FUNDS

WHEREAS, the Idaho Water Resource Board (Board), pursuant to its planning authorities in Article XV, Section 7 of the Idaho Constitution, and Idaho Code 42-1779, and as directed by House Bill No. 428 passed and approved by the 2009 Idaho Legislature, has undertaken the development of a comprehensive aquifer management plan for the Rathdrum Prairie Aquifer; and

WHEREAS, the Board adopted the Rathdrum Prairie Comprehensive Aquifer Management Plan on July 29, 2011; and

WHEREAS, the Spoke River Forum has requested financial support in the amount of \$5,000 to match other funding support for the Spokane River Conference scheduled for November 18<sup>th</sup> – 20<sup>th</sup>, 2014; and,

WHEREAS, the Spokane River Conference supports several actions described in the Rathdrum Prairie Comprehensive Aquifer Management Plan, including:

1. Objective #2: Prevent and Resolve Water Conflicts
  - a. Regional discussion and encouraging cooperation for Spokane Valley-Rathdrum Prairie Aquifer water issues;
  - b. Encourage mechanism that resolve local issues before they become conflicts;
2. Objective #3: Protect the Aquifer, through bringing the key agencies together in an effort to address overlapping jurisdictions with the goal of improving efficiency and sharing knowledge; and
3. Adaptive Management, Monitoring and Data Gathering: Present information about the development and maintenance of state-of-the-art monitoring and evaluation tools that provide the information necessary to make sound planning decisions for the future

NOW, THEREFORE, BE IT RESOLVED that the IWRB hereby approves the expenditure of a total of \$\_\_\_\_\_ from the IWRB Revolving Development Account's Rathdrum Prairie CAMP subaccount, to the Spokane River Forum.

DATED this 18<sup>th</sup> day of July, 2014

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Roger Chase, Chairman  
Idaho Water Resource Board

ATTEST \_\_\_\_\_  
Bob Graham, Secretary

MATERIALS FOR THIS SECTION WILL BE PROVIDED AT THE MEETING.

# Memorandum



To: Idaho Water Resource Board  
From: Morgan Case  
Date: July 18, 2014  
Re: Water Transactions Program – 2014 Bohannon Creek Administration

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Bohannon Creek is a Lower Lemhi River tributary with ideal habitat for spawning and rearing Chinook salmon and steelhead that is seasonally dewatered due to irrigation withdrawals. The 2004 Snake River Water Rights (“Nez Perce”) Agreement commits the state to provide incentives for improving fish habitat which includes improving or protecting flow conditions to augment stream flows.

During the early portion of the irrigation season, Bohannon Creek typically becomes dewatered below the lowest diversion, Bohannon Creek 3 (BHC3), potentially blocking fish passage and placing fertilized steelhead eggs (redds) at risk of drying up during the critical incubation period. This spring, Idaho Department of Fish and Game staff observed steelhead redds (spawning nests) in Bohannon Creek, the majority of which were downstream of BHC3. The BHC3 diversion was not on at the time, but the water users were planning to turn on, potentially dewatering the stream and drying up the incubating eggs.

In order to prevent that from occurring, the Board entered into early season agreements with water users to maintain a flow of 2 cfs in Bohannon Creek through June 30. The Watermaster of Water District 74C visited the BHC3 diversion daily during that period, which was above and beyond his typical watermaster duties. The Water District has requested \$600 to compensate the watermaster for his additional duties.

**Action Item:**

Consideration of the attached funding resolution for \$600 to compensate the Water District 74C watermaster for his increased duties related to the Board’s agreements. Funds will come through the Columbia Basin Water Transactions Program or the Idaho Fish Accord.

---

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE )  
2014 BOHANNON CREEK )  
WATER TRANSACTION )  
ADMINISTRATION )

A RESOLUTION TO MAKE  
A FUNDING COMMITMENT

WHEREAS, steelhead and juvenile Chinook salmon habitat in Bohannon Creek is limited by low flow in the lower reaches of Bohannon Creek; and

WHEREAS, Bohannon Creek provides steelhead and juvenile Chinook salmon habitat and the 2004 Snake River Water Rights ("Nez Perce") Agreement commits the state to providing incentives for improving fish habitat which includes improving or protecting flow conditions to augment stream flows; and

WHEREAS, it is in the interest of the State of Idaho to protect flows in Bohannon Creek to encourage recovery of ESA-listed steelhead and Chinook Salmon; and

WHEREAS, the IWRB has entered into short-term agreements with the Bohannon Creek water users not to divert water at the BC3 diversion to maintain target flows of 2 cubic feet per second and facilitate the incubation of steelhead eggs; and

WHEREAS, administration of the short-term agreements has increased the burden on the watermaster of WD 74C; and

WHEREAS, a request for \$600 has been submitted to the Columbia Basin Water Transaction Program to be used to compensate Water District 74C for the increased administrative duties; and

WHEREAS, administration of the Bohannon Creek transactions is in the public interest and in compliance with the State Water Plan.

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes the Chairman to enter into contracts with Jerry Elzinga and Water District 74C, for administration of agreements not to divert out of Bohannon Creek using an amount not to exceed \$600.

NOW THEREFORE BE IT FURTHER RESOLVED that this resolution is subject to the condition that the IWRB receives the requested funding from the Bonneville Power Administration through the Columbia Basin Water Transaction Program or the Idaho Fish Accord in an amount of \$600.

DATED this 18th day of July 2014.

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ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST: \_\_\_\_\_  
BOB GRAHAM, Secretary

# MEMO

**To:** Idaho Water Resource Board  
**From:** Stuart VanGreuningen  
Brian Patton  
**Subject:** A&B Irrigation District – New pumping plant and pipeline  
**Date:** July 17, 2014



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The A&B Irrigation District is applying for a loan in the amount of \$7,000,000 for a new pumping plant and pipeline that will deliver water to areas of declining groundwater. They are requesting that the funding be done in two parts with half coming in 2014 and the remainder in 2015. This has been a high-priority project for the IWRB through the AWEP program as it will offset ground water withdrawals from the ESPA.

## 1.0 BACKGROUND

The A&B Irrigation District (A&B) is located near Rupert and is part of the Bureau of Reclamation's Minidoka Project (BOR), North Side Pumping Division. A&B serves approximately 77,000 acres of irrigated land and is split into two irrigated areas called Unit A and Unit B.

The district is divided between surface and groundwater sources for irrigation with Unit A being serviced by surface water and Unit B by groundwater pumped from the Eastern Snake Plain Aquifer. Unit B irrigates approximately 62,000 acres from wells which have seen a steady decline over the past decade or more.

## 2.0 THE PROJECT

This project will deliver irrigation water to parts of Unit A and B. The project will have a new pumping plant to deliver 118 cfs of irrigation water through a pipeline approximately 8 miles long. The project will 1) convert 1,500 acres from declining ground water to surface water supplies, 2) reliably deliver surface water to 1,500 acres that were previously converted from ground water to surface water but to which A&B has difficulty making reliable surface water deliveries, 3) improve the reliability and efficiency of deliveries to approximately 4,500 acres within Unit A. A&B has sufficient surface water supplies for this project.

The IWRB has been briefed on this project several times as it was the last major project to be funded from the Board's Agricultural Water Enhancement Program (AWEP) agreement with the Natural Resources Conservation Service. The last briefing on this project came from Dan Temple, Manager, of A&B at the May 16 IWRB meeting in Boise. At that time Mr. Temple explained some of the requirements that the BOR has for the project and also talked about financing.

In May of this year the draft Environmental Assessment was completed by BOR for the pumping plant.

### **3.0 PROJECT COST ESTIMATE**

The project was initially estimated to cost in the range of \$7.8 million dollars, however, unforeseen costs have driven the price up with the new estimate being \$12.5 million.

\$3.8 million has been contracted for this project with 31 A&B land owners through the AWEP program. If the IWRB approves the requested \$7 million loan, A&B will cover the remaining \$1.7 million from cash on-hand.

### **4.0 PROJECT BENEFITS**

The proposed project will have substantial district-wide benefits to A&B and its members through increasing reliability and efficiency of surface water deliveries and through reducing demand on declining ground water supplies.

The project aligns with the ground water-to-surface water conversion strategy identified in ESPA Comprehensive Aquifer Management Plan, and will provide incremental progress toward stabilizing the ESPA.

### **5.0 FINANCIAL ANALYSIS**

November 5, 2013, a bond election was held to authorize A&B to incur indebtedness up to \$7 million for a 20-year period for the project, which was approved by an 81% margin. A&B is raising its annual assessment starting in 2014 from \$91.00 per acre to \$98.00 per acre to generate \$576,465 annually in revenue to cover the expected cost of debt service.

If the loan is approved as requested in the amount of \$7,000,000 with a 20-year term at 3.5%, the annual payment would be approximately \$492,800. This appears achievable within the authority to incur indebtedness and rate increase that has already been approved.

### **6.0 WATER RIGHTS**

*See the attached sheet.* A&B has sufficient surface water rights to supply the water necessary to operate the project. In addition to surface and ground water rights, A&B holds spaceholder contracts for storage in American Falls Reservoir and Palisades Reservoir totaling 137,626 AF.

### **7.0 SECURITY**

Security will be a bond secured by tax assessments on the lands within the A&B Irrigation District, as authorized by the November 5, 2013 bond election.

### **8.0 CONCLUSION**

A&B Irrigation District is requesting \$7 million dollars for a new pumping plant and associated pipeline to deliver 118 cfs of irrigation water. The loan would be provided in two parts with \$3.5 million coming in 2014 and \$3.5 million coming in 2015. The project will have substantial benefits for A&B and its members. It is consistent with the ESPA CAMP and will provide additional progress toward ESPA stabilization. This was a high priority project to which we were able to direct \$3.8 million in federal grant funds through AWEP program which was funded under the previous Farm Bill.

If the IWRB approves a loan for the project, staff recommends that:

- 1) The IWRB should obligate funds for the loan in the amount of \$3.5 million on August 1, 2014 and \$3.5 million on August 1, 2015.
- 2) At its regularly scheduled July 2015 meeting, the IWRB will review the allocation and demands on its funds and may decide by resolution to provide the August 1, 2015 loan obligation from the Secondary Aquifer Planning, Management, and Implementation Fund rather than the Revolving Development Account.

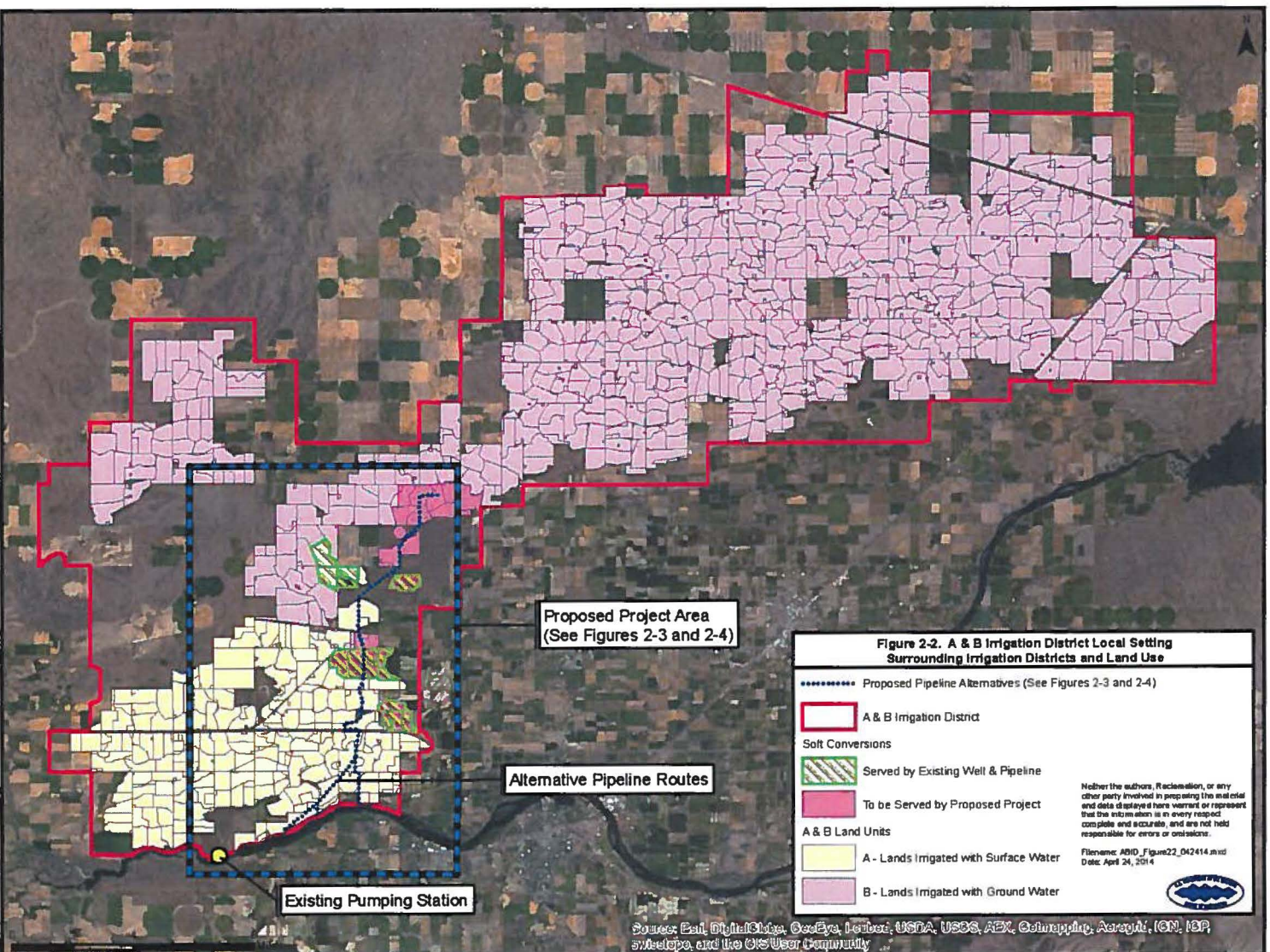
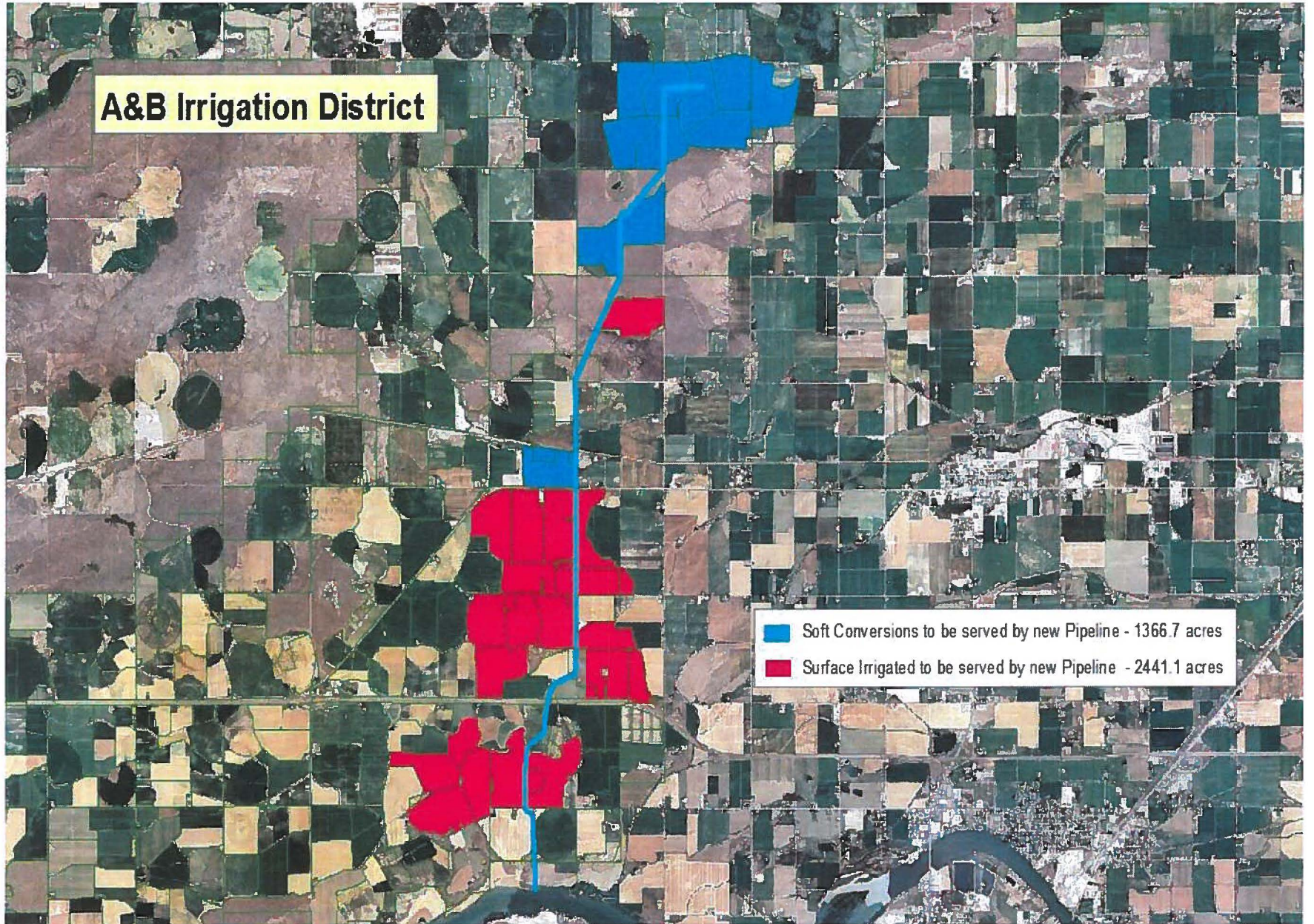


Figure 2-2. A&B Irrigation District – locations of Unit A, Unit B, and transitional, soft conversion lands.



**Acres Irrigated with Surface Water (Unit A)**

<b>Water Right #</b>	<b>Type</b>	<b>Acres</b>	<b>Priority</b>	<b>Flow rate (cfs)</b>
01-00014	Decree	14637	4/1/1939	267
01-10225	Enlargement	1120.7	4/1/1984	22.41
01-10237	Beneficial Use	9.7	7/11/1968	0.19
01-10238	Beneficial Use	30.9	7/11/1968	0.62
01-10239	Beneficial Use	11.9	7/11/1968	0.24
01-10240	Beneficial Use	59.2	7/1/1968	1.18
01-10241	Beneficial Use	54.5	4/2/1978	1.09
<b>Total surface Water Acres:</b>		<b>15923.9</b>		

**Acres irrigated with Groundwater including Enlargement (Unit B)**

<b>Water Right #</b>	<b>Type</b>	<b>Acres</b>	<b>Priority</b>	<b>Flow rate (cfs)</b>
39-02080	Decree	62604.3	9/9/1948	1100
36-15127A	Beneficial Use	1886.4	4/1/1962	31.12
36-15127B	Enlargement	1751.5	4/1/1984	28.89
36-15192	Beneficial Use	36.3	4/1/1962	0.6
36-15193A	Beneficial Use	12.5	4/1/1962	0.21
36-15193B	Enlargement	18.9	4/1/1965	0.31
36-15194A	Beneficial Use	13.7	4/1/1962	0.23
36-15194B	Enlargement	152.4	4/1/1968	2.51
36-15195A	Enlargement	52.5	4/1/1962	0.87
36-15195B	Beneficial Use	135.6	4/1/1978	2.24
36-15196A	Enlargement	17.4	4/1/1984	0.29
36-15196B	Beneficial Use	4.7		0.08
<b>Total Groundwater Acres:</b>		<b>66686.2</b>		

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE	)	A RESOLUTION TO MAKE
A&B IRRIGATION DISTRICT	)	A FUNDING COMMITMENT
_____	)	

WHEREAS, a Letter of Intent from the A&B Irrigation District (A&B) has been submitted to the Idaho Water Resource Board (IWRB) requesting a loan in the amount of \$7,000,000; and

WHEREAS, A&B delivers irrigation water to approximately 77,000 acres of farmland, with surface water from the Snake River supplying about 15,000 acres in A&B's Unit A, and with ground water from the Eastern Snake Plain Aquifer (ESPA) supplying about 62,000 acres in A&B's Unit B; and

WHEREAS, A&B has requested funds to construct a pumping plant and pipeline to 1) convert 1,500 acres from declining ground water to surface water supplies, 2) reliably deliver surface water to 1,500 acres that were previously converted from ground water to surface water but to which A&B has difficulty making reliable surface water deliveries, 3) improve the reliability and efficiency of deliveries to approximately 4,500 acres within Unit A; and

WHEREAS, the proposed system will have substantial district-wide benefits to A&B and its members through increasing reliability and efficiency of surface water deliveries and through reducing demand on declining ground water supplies; and

WHEREAS, A&B currently holds natural flow surface water rights and water storage contracts that are sufficient to supply the proposed project with surface water; and

WHEREAS, the delivery of surface water to lands currently supplied by ground water will aid in the reduction of ground water withdrawals from the ESPA; and

WHEREAS, the total project cost is estimated to be about \$12.5 million; and

WHEREAS, the with encouragement from the IWRB, the Natural Resources Conservation Service has provided federal grant funding to the project through the Agricultural Water Enhancement Program in the amount of approximately \$3.8 million; and

WHEREAS, A&B is a qualified applicant and the proposed project qualifies for a loan from the Revolving Development Account and/or the Secondary Aquifer Planning, Management, and Implementation Fund; and

WHEREAS, on November 5, 2013, a bond election was held to authorize A&B to incur indebtedness up to \$7 million for a 20-year period for the project, which was approved by an 81% margin; and

WHEREAS, the proposed project is in the public interest and aligns with the objectives of the ESPA Comprehensive Aquifer Management Plan and with the State Water Plan, and will assist with the stabilization of the ESPA.

NOW THEREFORE BE IT RESOLVED that the IWRB approves a loan not to exceed \$7,000,000 from the Revolving Development Account at 3.5% interest with a 20-year term and provides authority to the Chairman or his designee to enter into contracts with the A&B on behalf of the Board.

BE IT FURTHER RESOLVED that this resolution and the approval of the loan is subject to the following conditions:

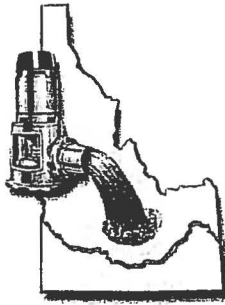
- 1) A&B shall provide security to the IWRB in a manner authorized by Title 43, Idaho Code, for irrigation districts.
- 2) The IWRB shall obligate funds for the loan in the amount of \$3.5 million on August 1, 2014 and \$3.5 million on August 1, 2015.
- 3) At its regularly scheduled July 2015 meeting, the IWRB will review the allocation and demands on its funds and may decide by resolution to provide the August 1, 2015 loan obligation from the Secondary Aquifer Planning, management, and Implementation Fund rather than the Revolving Development Account.

DATED this 18th day of July, 2014.

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ROGER W. CHASE, Chairman  
Idaho Water Resource Board

ATTEST \_\_\_\_\_  
BOB GRAHAM, Secretary



# A&B Irrigation District

P.O. Box 675  
414 11<sup>th</sup> Street  
Rupert, ID 83350

Phone: 208-436-3152      Fax: 208-436-3151  
abid@pmt.org

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June 20, 2014

Idaho Water Resource Board  
The Idaho Water Center  
322 East Front Street  
PO Box 83720  
Boise, Idaho 83720-0098

Dear Idaho Water Resource Board Members,

Due to severe groundwater declines and surface water delivery limitations within the current canal system, A&B Irrigation District began investigating projects to improve water supply and delivery to its landowners. Several landowners have requested action and assistance by the District to improve water deliveries across the project. As a result of those investigations and requests, A&B is planning on constructing a second Snake River Pumping Plant together with an eight (8) mile long pipeline with a pumping capacity of 118 cfs to eliminate delivery constraints on the current surface delivery system and to facilitate additional conversions of groundwater to surface water (approximately 1,500 acres). The new pumping plant will be located approximately eight (8) miles west of Burley Idaho and two (2) miles upriver from the District's existing pumping plant.

The total cost of this project is currently estimated at \$12.5 million dollars.<sup>1</sup> The District is partnering with thirty-one (31) District landowners who were selected by Natural Resource Conservation Service (NRCS) to receive \$3.8 million dollars of funding under the Agricultural Water Enhancement Program (AWEP). An April 2013 letter from the Administrator of the Idaho Water Resource Board (IWRB), sponsor of the AWEP utilized funds, indicated "It is the highest priority project in the last of the current AWEP agreement." In addition, the District is working with the U.S. Bureau of Reclamation on the project, who A&B contracted with to operate and maintain the project facilities.

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<sup>1</sup> In the spring of 2013 it was estimated that the total project costs would be approximately \$7.8 million dollars. Accordingly, A&B relied upon this early estimate for purposes of its bond election in the fall of 2013. Since that time, refined engineering and project costs reflect about a \$4.5 million dollar increase in expected costs. However, this latest number is conservative and represents a likely outer range of actual project costs.

On November 5, 2013, A&B Irrigation District held a bond election to authorize the District to bond/borrow up to \$7 million dollars for a 20-year time period. The District landowners approved the bond election by an 81% margin to incur the \$7 million dollar indebtedness.

The Board of Directors with the bond passage increased the District annual operation and maintenance assessment this year 2014 from \$91.00 per acre to \$98.00 per acre which will generate \$576,465.40 annually that will be dedicated to the project and the annual bond/loan repayment.

To date, the District has already spent approximately \$236,943.00 on various costs and expenses for the project, including an environmental assessment being prepared by the U.S. Bureau of Reclamation. The District has the authority to assess its landowners on an annual basis (I.C. § 43-701 *et seq.*) and, if necessary, can raise additional funds through annual assessments to cover any outstanding balance owed for the project through construction, which is expected to take place in the fall of 2014 through the spring of 2016.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Temple", written in a cursive style.

Dan Temple  
Manager

# Memorandum

To: Idaho Water Resource Board  
From: Cynthia Bridge Clark  
Date: July 7, 2014  
Re: Status of Storage Water Studies



The following is a status report on the surface water storage studies initiated by the Idaho Water Resource Board (IWRB). This memorandum describes activities and progress since the last IWRB meeting in May 2014.

## **Weiser-Galloway Project**

Snake River Operational Analysis Project (Operational Analysis):

- The US Army Corps of Engineers (Corps) completed modeling a series of operating scenarios for the proposed Galloway project which consider optimization of hydropower, benefits and impacts to the Weiser River Basin and to the Snake River to the Hells Canyon Complex.
- The Corps has completed an economic and cost analysis for the project as well as a temperature analysis to assess potential changes in water temperature in the Weiser River between the dam site and the Snake River.
- The Corps has initiated the evaluation of potential hydropower integration from the Galloway project with the Northwest power grid.
- Results of the completed analyses are being compiled in a draft report and will be presented to the IWRB at an upcoming Storage Projects Committee meeting for feedback and guidance prior to completion of the full Operations Analysis. Results of the hydropower integration study will be incorporated into the Operational Analysis and a final report is scheduled for January 2015.
- Legal issues associated with the potential relocation of the Weiser River Trail are under review by staff and the Attorney General's Office.

**REQUIRED ACTIONS:** No action is required by the IWRB at this time. However, staff requests a Storage Projects Committee meeting to present initial results.

## **Lower Boise River Feasibility Study**

- An Environmental Impact Statement (EIS) will be completed through the feasibility study process. Public scoping meetings were held in Garden City, Boise, Caldwell and Idaho City in May to solicit public input on the scope of the study alternatives and necessary analyses. The comment period for the draft EIS closed June 23. The Corps is compiling comments received to determine how and whether to adjust the scope of the study.
- Information on the study was also presented at the Idaho Water Users Association Summer Water Law and Resource Issues Seminar and to the Elmore County Commissioners.
- Hydrologic modeling and analysis of the Arrowrock Raise alternative is underway.

- The Corps and the US Bureau of Reclamation are discussing agency coordination and data exchange necessary to complete the feasibility study.

**REQUIRED ACTIONS:** No official action is required by the IWRB at this time.

<b>Henrys Fork Basin Study &amp; Island Park Reservoir Enlargement Project</b>
--

- A closing internal review of the Henrys Fork Basin Study (Basin Study) Final Report was completed by US Bureau of Reclamation's (Reclamation). Reclamation will issue a new release and publish the final report by mid-July.
- Reclamation reported the results to the Henrys Fork Watershed Council (HFWC) on May 14, 2014. IWRB staff also discussed the IWRB's intent to prioritize the Island Park Reservoir Enlargement alternative.
- The Henrys Fork Foundation submitted an application for a WaterSMART Cooperative Watershed Management Program Grant on behalf of the HFWC. The objective was to explore water management alternatives identified in the Basin Study and to allow a subgroup of the HFWC to evaluate water management, storage and stream restoration opportunities in the Henry's Fork watershed. Both the IWRB and Reclamation issued support letters for the application and the HFWC would like to keep the IWRB involved in these efforts where possible.
- Island Park Reservoir Enlargement Project (Island Park project): Based on additional consultation with Reclamation, clarification of potential impacts to lands and real estate adjacent to the Island Park Reservoir has been identified as a priority issue in development of the Island Park project. Staff recommends completion of a land and real estate assessment to better quantify these impacts using existing LiDAR and in cooperation with Reclamation.
- A supplemental report will be developed for the IWRB summarizing the findings of the Basin Study, results of a lands and real estate assessment of the Island Park project, and with recommendations to move forward with the Island Park and other potential projects.
- Rick Gold, former Upper Colorado Regional Director for Reclamation, acted as an advisor to Reclamation and the IWRB during the Basin Study process and has provided assistance with identification of steps to pursue the Island Park project. The existing contract between Mr. Gold and Reclamation is complete. IDWR Staff recommend execution of a contract between the IWRB and Mr. Gold to continue advisory services in the advancement of the Island Park project.

**REQUIRED ACTIONS:** A draft resolution is provided for the IWRB's consideration to authorize execution of the necessary agreements or contracts for advisory services and completion of a land and real estate analysis of the Island Park Enlargement project.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE	)	RESOLUTION TO COMMIT
ISLAND PARK RESERVOIR	)	FUNDS AND PROVIDE
ENLARGEMENT PROJECT	)	SIGNATORY AUTHORITY

WHEREAS, the 2008 Legislature passed House Joint Memorial No. 8 encouraging the Idaho Water Resource Board (IWRB), in coordination with other public and private entities, to initiate studies to determine the potential for additional water storage projects in the state; and

WHEREAS, the IWRB and the US Bureau of Reclamation (Reclamation) completed the *Henrys Fork Basin Study, July 2014* (Basin Study), which evaluated a number of potential alternatives for additional surface water storage in the Henrys Fork Basin including an enlargement of the Island Park Reservoir, a Reclamation facility; and

WHEREAS, House Bill No. 479 passed and approved by the 2014 Idaho legislature appropriated \$2.5 million to pursue the enlargement of Island Park Reservoir (project); and

WHEREAS, Rick L. Gold, former Reclamation Upper Colorado Regional Director acted as an advisor to Reclamation and the IWRB during the Basin Study. Reclamation's Pacific Northwest Regional Director and the IWRB support Mr. Gold's continued participation as an advisor in the pursuit of the project; and

WHEREAS, additional evaluation of potential impacts to land and real estate as a result of a raise of the Island Park Reservoir is required to determine the viability of the project; and

NOW, THEREFORE, BE IT RESOLVED that the IWRB authorizes the expenditure of up to \$100,000 from the Revolving Development Account for advisory services and the completion of a land and real estate analysis on the Island Park Reservoir Enlargement Project.

NOW, THEREFORE, BE IT RESOLVED that the IWRB authorizes its chairman or designee to execute the necessary agreements or contracts for advisory services and the completion of a land and real estate analysis on the Island Park Reservoir Enlargement Project.

Dated this 18<sup>th</sup> day of July, 2014.

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ROGER W. CHASE  
Chairman

Attest: \_\_\_\_\_  
BOB GRAHAM  
Secretary

## Memorandum

To: Idaho Water Resource Board (IWRB)

From: Neeley Miller, IDWR Planning Bureau

Date: July 3, 2014

RE: Water District 02 WaterSmart Grant Status Report

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### Background

Water District 02 (WD02) was created in July, 2012. The district provides for the administration of water rights from the Snake River between Milner and Swan Falls Dams. Measurement and regulation of diversions in the district is one of a number of tools that the State can employ to help maintain the IWRB's minimum in-stream flow at the Murphy Gage in accordance with the Swan Falls Agreement.

### Phase-one

At the January 2013 Board meeting, Board members were briefed on the creation of WD02 and a coordinated effort among district water users and IDWR/IWRB staff to secure cost share funding through a US Bureau of Reclamation WaterSmart grant to assist with the installation of measurement devices and telemetry equipment for diversions in the district.

In May 2013 the Bureau announced that the IWRB WaterSmart proposal for phase-one would receive funding in the amount of \$151,425. The total budget for phase-one is \$352,152, with \$200,726 coming from water users and \$151,425 coming from the Bureau. Purchasing and installation of measurement devices and telemetry equipment began in November 2013. Installation and calibration of equipment is on-going and will continue through summer/fall 2014.

### Phase-two receives funding

At the January 2014 Board meeting, Board members were briefed on phase-two of this project. Staff worked with WD02 and Bureau of Reclamation to submit a second grant application to address the remaining large diversions in the district. In June 2014 the Bureau of Reclamation announced that the IWRB WaterSmart proposal for phase-two would receive funding in the amount of \$297,761. The total budget for phase-two is \$661,691, with \$363,930 coming from water users and \$297,761 coming from the Bureau.

Attached to this memo is the Funding Opportunity Announcement Letter from the Bureau of Reclamation.



## United States Department of the Interior

BUREAU OF RECLAMATION  
PO Box 25007  
Denver, Colorado 80225-0007



IN REPLY REFER TO:

84-27810  
ACM-1.10

VIA ELECTRONIC MAIL

Idaho Water Resources Board  
Attn: Neeley Miller  
322 East Front Street  
P.O. Box 83720  
Boise, ID 83720

Subject: Funding Opportunity Announcement (FOA) No. R14AS80001 – WaterSMART:  
Water and Energy Efficiency Grants for Fiscal Year (FY) 2014 – Your Application  
Titled, “Phase Two - To Provide Irrigation Flow Measurement Devices to Delivery  
Points Within Water District 02”

Dear Mr. Miller:

Thank you for submitting a WaterSMART Water and Energy Efficiency Grant application. The Bureau of Reclamation is pleased to inform you that your application was among those receiving the highest ratings and is now being considered for award of a financial assistance agreement. Your application included a request for \$297,761 to complete your proposal titled, “Phase Two - To Provide Irrigation Flow Measurement Devices to Delivery Points Within Water District 02.” Reclamation anticipates awarding Federal funds in the amount of \$297,761 for your proposed project.

Please note that this letter is not a final commitment of funding. A financial assistance agreement will not be executed and funds will not be awarded until further information about your project is developed and all statutory and regulatory requirements have been met as described in Section V.B of the FOA. In addition, Reclamation must have sufficient evidence prior to award that non-Federal cost share will be available by the start of the project. The final funding amount may be adjusted if necessary. No funding for implementation of the project will be made available until all necessary environmental compliance measures have been completed.

Federal statute (42 U.S.C. 10364(a)(3)(B)) requires that before any funds are awarded, you agree not to use any water savings resulting from your proposed project to increase your total irrigated acreage or to otherwise increase the consumptive use of water in your operations. This requirement, which was discussed in Section III.G of the FOA, will be included in the financial assistance agreement for your project.

Also, please be advised that your application has been ranked, in part, based on your description of the benefits you expect to result from your project. Selection criteria placed an emphasis on

conserving and using water more efficiently, increasing the use of renewable energy or otherwise addressing the energy-water nexus, addressing benefits to endangered and threatened species, facilitating water markets, and other activities that address climate-related impacts on water. Revisions to the scope of the project described in your application can be made only after Reclamation determines that revisions would be consistent with the selection process and that the expected benefits of the project would not be reduced.

Thank you for your interest and participation in the WaterSMART program. The Reclamation regional office that will be responsible for awarding and administering your agreement will contact you to finalize your award. If you have questions concerning the next steps in awarding this agreement, please contact Mr. Josh German, at 303-445-2839, or you may contact me at 303-445-2025.

Sincerely,

/s/

Michelle Maher  
Grants Officer

TO: Idaho Water Resource Board

FROM: Neeley Miller

DATE: July 3, 2014

RE: Regional Conservation Partnership Program



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At the March 2014 Board meeting, Board members were briefed on the Regional Conservation Partnership Program (RCPP) that was included in the 2014 Farm Bill. The RCPP replaced the Agricultural Water Enhancement Program (AWEP) that was authorized under the 2008 Farm Bill.

In 2009 the Idaho Water Resource Board's (IWRB) Agricultural Water Enhancement Program (AWEP) proposal was awarded funding by United States Department of Agriculture (USDA) to implement projects over five years (2009-2013) that support the Eastern Snake Plain Aquifer Comprehensive Aquifer Management Plan (ESPA CAMP). The Board's AWEP Program was administered by the Natural Resources Conservation Services (NRCS) and provided financial and technical assistance to agricultural producers to implement water enhancement activities on agricultural land for the purpose of conserving surface and ground water. Between 2009 and 2013 the IWRB's AWEP program secured \$10.6 million in federal funds. The AWEP program facilitated the conversion from ground water to surface water of approximately 12,800 acres. These conversions include over 5,000 acres converted on the Hazelton Butte project and over 1,300 acres converted in the A&B Irrigation District. Additional reductions in demand on the aquifer have been achieved through structural improvements in the Thousand Springs Area.

### **ESPA RCPP Proposal**

In June 2014, NRCS released the RCPP announcement for program funding and proposal guidelines. Projects and strategies similar to what was available through the IWRB's AWEP program would be eligible under RCPP. Funding for the RCPP is divided into three funding pools: National, Critical Conservation Areas, and State. NRCS has provided guidance to staff that the State funding pool best fits the IWRB's RCPP needs because the scope of our projects are all within the State of Idaho. The State Funding pool is anticipated to be approximately \$100,000,000 for each of the fiscal years 2015 through 2020. Pre-proposal applications were due on July 14, 2014. Pre-proposals will be evaluated and select applicants will be invited to submit a full proposal application. Full proposal applications are due on September 26, 2014. NRCS will announce proposals that have been selected for funding on October 17, 2014.

A proposal drafting committee consisting of IWRB staff, NRCS, and other interested parties has been meeting since last summer to identify eligible future projects and develop a framework for a proposal focused on ESPA stabilization. The drafting committee met on a weekly basis during June and early July 2014 to develop and submit a pre-proposal prior to the July 14<sup>th</sup> deadline. If the Board's RCPP pre-proposal is selected for further evaluation, staff will coordinate with the proposal drafting committee to submit a full proposal by September 26, 2014.

## **Upper Salmon Basin RCPP Proposal**

In addition to the IWRB's RCPP proposal, the Upper Salmon Basin Watershed Program (USBWP) also submitted a proposal for RCPP funds. They requested RCPP program funding over five years to move habitat actions forward in the Upper Salmon Basin Watershed (USB). The overall goal of the project is to promote water quality and management of water quantity to benefit recovery of Chinook salmon and steelhead through a partnership approach that addresses natural resource concerns as identified by NRCS, USBWP Technical Team, the Salmon Subbasin Management Plan, and the Federal Columbia River Power System Expert Panel. Specific activities to address these resource concerns may include: 1) Improving, eliminating or consolidating irrigation diversions, 2) Screening of irrigation diversions, 3) Converting open ditches to pipe, 4) Converting from flood irrigation to pivots or pods, 5) Replacing road culverts, 6) Creating or rehabilitating riparian habitat, 7) Reconnecting tributaries, 8) Developing new side channels, 9) Increasing instream habitat complexity, 10) Improving floodplain connectivity, 11) Securing instream flow through changes in points of diversion and places of use, 12) Leasing or purchasing water rights, and 13) Securing conservation easements.

The USBWP RCPP proposal will not compete for funding with the IWRB's RCPP proposal. The IWRB's proposal is competing under the State Funding pool. The USBWP RCPP qualifies to compete for the Columbia River Basin Critical Conservation Area (CCA) RCPP Funding pool. The CCA funding pool is anticipated to be approximately \$140,000,000 for each of the fiscal years 2015 through 2020.

**IDAHO WATER RESOURCE BOARD  
ESPA MANAGED RECHARGE STATUS REPORT  
JULY 6, 2014**

**Goal:** Develop operational capability to recharge 250,000 acre-feet on an average annual basis to stabilize and recover the Eastern Snake Plain Aquifer (ESPA currently losing about 200,000 AF/yr from aquifer storage)

**Current Status:** Since 2009 average annual ESPA recharge has averaged about 74,000 acre-feet

**Key to achieving goal:** utilize winter flows currently spilling past Milner Dam, in addition to current practice of early-season recharge during the spring run-off, and late season recharge after the irrigation season.

**Current Status Update of Recharge Activities:**

- Early-Season Recharge of 10,753 acre-feet, significantly below average. All was below American Falls as recharge rights above American Falls did not come into priority. Participating canals were as follows:

1. AFRD 2 (Milner-Gooding Canal)	5,301 AF
2. Northside Canal Company	3,548 AF
3. SWID (West Cassia Pipeline)	<u>1,904 AF</u>
<b>TOTAL</b>	<b>10,753 AF</b>

This demonstrates the need to make use of the winter-time spills past Milner for recharge and aquifer stabilization purposes. Even in driest years 500 cfs spill past Milner all winter long.

- Vince Alberdi and Brian Patton have been meeting with the Boards for the canals that divert at Milner with the goal of getting them on board for winter recharge deliveries. The idea is to divert the winter-time spills at Milner for recharge into the Twin Falls Canal to Murtaugh Lake, the Northside Canal Wilson Lake, and Milner-Gooding Canal to Mile Post 31 site, and the SWID West Cassia Pipeline. This idea is based on the following:
  - 1. Canals would use their engineering consultants to determine modifications needed for winter operations – IWRB would cover engineering costs
  - 2. If modifications appear cost effective, IWRB would cover construction costs
  - 3. IWRB pays winter-time premium delivery payment (\$6/AF ?)
- Also need to discuss expansion of MP31 this fall with AFRD2 Board.
- Finished geotechnical investigation at Walcott site in cooperation with ABID and MVGWD. Burley sediments extend farther from reservoir than expected, so the pipeline length would double from initial estimates and project cost becomes about \$6M.
- Identified additional pump-to-recharge sites from Milner Pool at A&B pump plant, SWID Pump plant, and Northside pump company pump plant. Will do test drilling at each through agreement with LSARD.
- Identified potential large recharge site on NSCC Main Canal on private land (Nielson Site). Will test drill through agreement with LSARD.
- Tested potential site on state land at Richfield for using water under IWRB Little Wood permit.
- Met with Gooding City Council regarding potential joint development of recharge site at Gooding
- Scoping potential upper valley sites off Great Feeder system

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE	)	A RESOLUTION TO ALLOCATE
EASTERN SNAKE PLAIN AQUIFER	)	FUNDS
MANAGED RECHARGE PROGRAM	)	
_____	)	

WHEREAS, the Eastern Snake Plain Aquifer Comprehensive Aquifer Management Plan (ESPA CAMP) was approved in 2009 by the Legislature and Governor Otter through House Bill 264; and

WHEREAS, the ESPA CAMP and the State Water Plan established a goal of implementing a managed aquifer recharge program for the ESPA designed to recharge up to 250,000 acre-feet of natural flow water on an average annual basis to achieve aquifer stabilization; and

WHEREAS, in order to achieve the ESPA managed recharge goals, hydrologic modeling indicates that additional recharge capacity is needed below American Falls Reservoir; and

WHEREAS, House Bill 479 passed and approved by the 2014 Idaho Legislature appropriated \$4 million to the Idaho Water Resource Board's (IWRB) Secondary Aquifer Planning, Management and Implementation Fund for developing managed recharge infrastructure on the Eastern Snake Plain.

NOW THEREFORE BE IT RESOLVED that the IWRB approves the expenditure of a total of \$300,000 from the Secondary Aquifer Planning, Management, and Implementation Fund (Secondary Fund) for engineering studies, geological investigation, and other preparatory activities involved in determining suitability of potential managed recharge sites.

BE IT FURTHER RESOLVED that the IWRB directs that a review and assessment of the ESPA managed recharge program be undertaken by an independent party, and the review and assessment shall contain recommendations for making progress in an efficient manner.

DATED this 18<sup>th</sup> day of July, 2014.

\_\_\_\_\_  
ROGER CHASE, Chairman  
Idaho Water Resource Board

ATTEST \_\_\_\_\_  
BOB GRAHAM, Secretary

# Memorandum



To: Idaho Water Resource Board  
From: Helen Harrington  
Re: Idaho State Water Plan and Sustainability Policy Development  
Date: July 3, 2014

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## Idaho State Water Plan

Over the past year, the IWRB State Water Planning Committee held numerous public meetings to discuss the concerns expressed by some members of the House Resources and Conservation Committee regarding Policies 1I, 1K, 2B, 2C, 2D, 2E, 2F, 2G, 3D, 3E, 3G, 6A and 6B of the 2012 State Water Plan. These concerns focused primarily on the following issues: (1) whether implementation strategies designed to obtain or secure funding require future legislative oversight and approval; (2) whether certain policies addressing the conservation of fish and wildlife resources and the protection of water quality set out additional regulatory requirements; and (3) whether policies related to the IWRB water transactions program are consistent with Idaho law governing the appropriation of minimum stream flow water rights.

At the May 2014 IWRB meeting, the Board discussed whether one or more of these policies required amendment in order to address these concerns. IWRB members discussed the cost of undertaking limited policy revisions and the required public hearings associated with amending the 2012 State Water Plan. The IWRB determined, in light of these factors, to not pursue amendments at this time. Instead, the IWRB directed staff to prepare comments responsive to the concerns raised by some members of the Committee.

Following the May meeting, staff reviewed Board communications and correspondence associated with the Board's review of these concerns. In May 2013, Chairman Roger Chase sent a letter to legislative leadership informing them of the Board's commitment to review the concerns. Chairman Chase also committed to consultation with the Legislative Natural Resources Interim Committee and to keep the committee informed about its progress.

Staff has prepared a letter for distribution to the Legislative Natural Resources Interim Committee and legislative leadership setting out the IWRB's review of the proposed policy changes and its preliminary determination that the amendment process would not be initiated at this time. The letter also addresses the primary concerns raised by some members of the Committee during the 2013 hearings. A draft letter is attached for consideration.

## Sustainability Policy

At the May IWRB meeting, the Board reviewed a draft “Vision for Sustainability of Idaho’s Water Resources” prepared by staff. Questions were raised as to whether the draft was responsive to the Governor’s request for a sustainability policy. To ensure that the final document is consistent the Governor intent in initiating this process, staff recommends that the Board communicate with the Governor to discuss the Board’s efforts to date and seek further clarification regarding the Governor’s expectations.



# IDAHO WATER RESOURCE BOARD

**C.L. "Butch" Otter**  
Governor

July 18, 2014

Letter to Cochairs of the Interim Natural Resources Committee Chairs

**Roger W. Chase**  
Chairman  
Pocatello  
District 4

RE: 2012 Idaho State Water Plan

Dear \_\_\_\_:

**Peter Van Der Meulen**  
Vice-Chairman  
Hailey  
At Large

During the 2013 House Resources and Conservation Committee hearing on the 2012 State Water Plan, some members of the Committee raised concerns about certain policies within the Plan. In a letter dated May 28, 2013, I advised Legislative leadership that the Idaho Water Resource IWRB (IWRB) was undertaking a review of the Committee members' concerns. As part of the review, the IWRB committed to consulting with the Legislature's Natural Resources Interim Committee and keeping it informed of the progress of our review. The purpose of this letter is follow up on our commitment to consult with the interim committee.

**Bob Graham**  
Secretary  
Bonners Ferry  
District 1

**Charles "Chuck"**  
**Cuddy**  
Orofino  
At Large

Over the past year, the IWRB State Water Planning Committee held numerous public meetings to discuss the legislative concerns regarding Policies 1I, 1K, 2B, 2C, 2D, 2E, 2F, 2G, 3D, 3E, 3G, 6A and 6B. The legislative concerns with these policies focused primarily on the following issues: (1) whether implementation strategies designed to obtain or secure funding require future legislative oversight and approval; (2) whether certain policies addressing the conservation of fish and wildlife resources and the protection of water quality set out additional regulatory requirements; and (3) whether policies related to the IWRB water transactions program are consistent with Idaho law governing the appropriation of minimum stream flow water rights. Each of these concerns will be addressed in turn.

**Vince Alberdi**  
Kimberly  
At Large

**Jeff Raybould**  
St. Anthony  
At Large

**Albert Barker**  
Boise  
District 2

## (1) Future Funding

**John "Bert" Stevenson**  
Rupert  
District 3

The issue of legislative oversight and approval of IWRB projects and funding was raised with regard to Policies 1K, 2B, 2E, 2F, 3D, 3E, and 6B. After reviewing applicable law, the IWRB believes that changes to these policies are not necessary. Idaho law provides that the power to appropriate state funds to implement the Plan's programs rests in the Idaho Legislature. Idaho Const. art. 7, § 13 ("No money shall be drawn from the treasury, but in pursuance of appropriations made by law.") The Plan's strategies that include securing funding for program implementation and descriptions of current funding mechanisms cannot bind the legislature to future appropriations. The strategies simply recognize that the IWRB will explore options for securing

funding for program implementation from various sources.

## **(2) Fish, Wildlife, and Water Quality**

The issue of whether the State Water Plan establishes new regulatory requirements for fish, wildlife, and water quality was raised with regard to Policies 2B, 2E, 2F, 3G, 6A and 6B. The IWRB's powers and authorities are set out in Article 15, § 7 of the Idaho Constitution and title 42 of the Idaho Code. Neither the Article 15, § 7 of the Idaho Constitution nor title 42 of the Idaho Code grant the IWRB authority to establish regulatory requirements without legislative authorization. Rather, the Plan serves as a comprehensive plan "for the conservation, development, management and optimum use of all unappropriated water resources and waterways of this state in the public interest." Idaho Code § 42-1734A. Further, the policies that address fish and wildlife resources and water quality are voluntary, incentive based programs rather than regulatory requirements. Given these limitations, the IWRB does not perceive of a need for amendments to these policies.

## **(3) Minimum Stream Flow Water Rights**

Concern was expressed that policy 2C, 6A and 6B might be construed as creating some type of new instream flow outside of chapter 2 or chapter 15, title 42, Idaho Code. Idaho Code § 42-1734G expressly provides, however, that "[a]ny water rights necessary to fulfill the purposes of this chapter shall be obtained pursuant to the provisions of chapter 2 or chapter 15, title 42, Idaho Code." Accordingly, any potential ambiguity in the terminology used in these policies is resolved by Section 42-1734G.

The IWRB water transactions programs are implemented consistent with legislative directive. For example, the Lemhi water transaction program provides water to satisfy the minimum stream flow water right for the Lemhi River as authorized by Idaho Code § 42-1506. The water transaction programs assist water users in addressing the challenges of economic, environmental, and regulatory change. In light of these considerations, the IWRB believes the Plan as drafted is consistent with applicable state law.

Based upon the above discussion, the IWRB believes the time and cost of conducting statewide hearings prior to the adoption of amendments to the 2012 State Water Plan, outweigh the limited benefit to be gained through clarifying by simply restating well established law. IWRB, however, values Legislative input on this matter, and looks forward to receiving your input on this issue.

Sincerely,

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Roger Chase, Chairman  
Idaho Water Resource Board

## VISION FOR SUSTAINABILITY OF IDAHO'S WATER RESOURCES

Water is the foundation of Idaho's economy and culture; the lives and livelihoods of Idahoans depend on a reliable supply of water. Sustainable water management strategies that meet current and future needs must be based on adequate knowledge regarding available supplies, existing use, competing economic and social demands, and future needs. Planning and management actions that promote water sustainability will provide certainty that existing water rights are protected and the economic vitality of Idaho is optimized.

The policies and actions set out in the Idaho State Water Plan address a range of current and future water supply needs. The implementation strategies are designed to meet multiple water supply management goals. Their effectiveness in achieving water sustainability will be evaluated on an ongoing basis. An inclusive process with stakeholders statewide is fundamental to meeting the ever-increasing challenges associated with sustainable water management in Idaho.

### **Fundamental Strategies for a Sustainable Water Future in the State Water Plan**

- Ensure that all actions taken toward a sustainable water future protect and respect private property rights.
- Inventory Idaho's water supply, current uses, and future water supply needs.
- Identify management alternatives and projects that optimize existing and future water supplies.
- Prioritize and implement management alternatives and projects where competing demands and future needs are most critical.
- Use adaptive management processes to anticipate future uncertainties and design projects that can be adapted to changing conditions.
- Prioritize allocation of funds for projects that ensure water sustainability.

# Supplemental Information

To: Idaho Water Resources Board  
From: IDWR Underground Injection Control Program  
Date: 7/18/2014

**Re: UIC Rule Revision for 2015 Legislative Session**

Idaho Code 42-3902(10)

Definition of "Injection Well"

"Injection well" means any feature that is operated to allow injection which also meets at least one (1) of the following criteria:

- (a) A bored, drilled or driven shaft whose depth is greater than the largest surface dimension;
- (b) A dug hole whose depth is greater than the largest surface dimension;
- (c) An improved sinkhole; or
- (d) A subsurface fluid distribution system.

Provided however, that "injection well" does not mean or include any well used for oil, gas or geothermal production activities, other than one into which diesel fuels are injected pursuant to hydraulic fracturing operations.

Reason for Change: The added qualifier in this rule could be interpreted as one which exempts from regulation wells originally drilled for the purpose of production which are then converted for the purpose of injection.

The revised language intends to clarify that this rule covers the intended use of the well and not the original purpose for drilling the well.

BEFORE THE WATER RESOURCE BOARD

OF THE

STATE OF IDAHO

IN THE MATTER OF AMENDING THE	)	
RULES FOR THE CONSTRUCTION AND	)	
<u>USE OF INJECTION WELLS</u>	)	<b>RESOLUTION ADOPTING PROPOSED RULES</b>

WHEREAS, the Idaho Water Resource Board (“Board”) is authorized by Sections 42-3913 through 42-3915, Idaho Code, to promulgate rules for the construction and use of injection wells; and

WHEREAS, on July 1, 2014 a statutory revision to the definition of an “injection well” found in Idaho Code 42-3902(10) became law; and

WHEREAS, the passage of the revised injection well definition in the statute generated an inconsistency between the statute and the existing rule.

NOW THEREFORE, BE IT RESOLVED that the Board approves the proposed rule attached hereto and authorizes the Director of the Idaho Department of Water Resources to submit the proposed rule to the Office of the Administrative Rules Coordinator for publication in the Idaho Administrative Bulletin.

DATED this \_\_\_\_\_ day of July, 2014.

\_\_\_\_\_  
ROGER W. CHASE, Chairman  
Idaho Water Resource Board

ATTEST: \_\_\_\_\_  
Bob Graham, Secretary

MATERIALS FOR THIS SECTION WILL BE PROVIDED AT THE MEETING.