



IDAHO WATER RESOURCE BOARD

MEETING NO. 7-16
November 1-2, 2016
BOISE



MEDIA



AGENDA

IDAHO WATER RESOURCE BOARD

Board Meeting No. 7-16

November 2, 2016

8:00 a.m.

Idaho Water Center

Conference Rooms B, C & D

322 E Front Street

BOISE

C.L. "Butch" Otter
Governor

Roger W. Chase
Chairman
Pocatello
District 4

Jeff Raybould
Vice-Chairman
St. Anthony
At Large

Vince Alberdi
Secretary
Kimberly
At Large

Peter Van Der Meulen
Hailey
At Large

Charles "Chuck" Cuddy
Orofino
At Large

Albert Barker
Boise
District 2

John "Bert" Stevenson
Rupert
District 3

Dale Van Stone
Hope
District 1

1. Roll Call
2. Executive Session – Board will meet pursuant to Idaho Code §74-206(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. Topics: CSRBA Update

Following adjournment of Executive Session – meeting reopens to the public.

3. Agenda & Approval of Minutes 6-16
4. Public Comment
5. Update on "Refill" Litigation Decisions
6. Procurement Considerations
7. Financial Status
8. Ground Water Conservation Grants
9. Treasure Valley Recharge Study
10. Island Park Reservoir Enlargement
11. Sustainability Policy Addition to State Water Plan
12. Wood River Ground Water Policy-Water Supply Bank
13. Priest River Gage
14. Director's Report
15. Non-Action Items for Discussion
16. Next Meeting & 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 jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.

WATER RESOURCE BOARD EXECUTIVE SESSION MOTIONS

Motion to resolve into Executive Session: Pursuant to Idaho Code § 74-206(1) subsection (f) I request that the Board resolve into executive session for 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. I request that a roll call vote be taken and that the Secretary record the vote in the minutes of the meeting.

Motion to Resolve into Public Session: I move that the Board resolve out of executive session and that the official minutes of the meeting reflect that no action was taken during the executive session.



IDAHO WATER RESOURCE BOARD

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MINUTES MEETING NO. 6-16

Clarion Inn
1399 Bench Road
POCATELLO, ID

September 15, 2016
Work Session

Chairman Chase called the Work Session meeting to order at 8:15 a.m. All Board members were present. IDWR staff members present were: Brian Patton, Cynthia Bridge Clark, Neeley Miller, Rick Collingwood, Gary Spackman, Mathew Weaver, Wesley Hipke, Sean Vincent, Mike McVay, Jennifer Strange, and James Cefalo. Guests present were: Sarah Hagen, Shaun Parkinson, Jon Bowling, John Simpson, Harvey Walker, Alan Hansten, Stephen Goodson, Ann Vonde, Amy Verbeten, Sarah Lien, Kelly Park, Walt Poole, Nancy Murillo, John Williams, and Del Kohtz.

During the Work Session the following items were discussed:

- An annual update of ESPA monitoring and aquifer storage by Sean Vincent and Mike McVay, both of IDWR.
- A presentation by Mr. Hipke of current ESPA resolutions and projects planned.
- A presentation that introduced a loan request for North Side Canal Company by Mr. Collingwood.
- An update on water storage studies by Ms. Bridge Clark.
- A presentation by Mr. Shaun Parkinson from Idaho Power that updated the Board on the statewide cooperative cloud seeding program.
- A presentation by the Teton Water Users Association, which included Lynn Bagley, Amy Verbeten, and Sarah Lien.

Around noon the Board broke for lunch. A tour of the Last Chance Canal Diversion Dam followed lunch. They met in Grace, Idaho to hear a presentation from the Last Chance Canal Company representatives. Then the group toured the site of the Last Chance diversion dam, the power plant and flumes. The tour ended around 4:45 p.m.

No action was taken by the Board during the Work Session.

September 16, 2016
Board Meeting No. 6-16

At 8:00 a.m. Chairman Chase called the meeting to order. All members were present.

Agenda Item No. 1: Roll Call

Board Members Present

Roger Chase, Chairman
Vince Alberdi, Secretary
Bert Stevenson
Chuck Cuddy

Jeff Raybould, Vice-Chairman
Pete Van Der Meulen
Dale Van Stone
Albert Barker

Staff Members Present

Gary Spackman, Director
Cynthia Bridge Clark, Water Projects Section Manager
Rick Collingwood, Planning Engineer
Ann Vonde, Deputy Attorney General
Mathew Weaver, Deputy Director

Brian Patton, Planning Bureau Chief
Neeley Miller, Senior Planner
Lyle Swank, Eastern Region Manager
Mike McVay, Technical Engineer

Guests Present

Terrell Sorensen, Falls Irrigation District
Stephen Goodson, Governor's Office
John Williams, BPA
Jerry Rigby, WSWC
Walt Poole, IDFG
Elese Teton, Shoshone Bannock Tribes
Garry Ratzlaff, Sagebrush Steppe Land Trust

Shaun Tischendorf, Falls Irrig. District
Chris Colson, Ducks Unlimited
Lyle Swank, Water Dist #01
Bob Bruce, Stanley Consultants
Randy Budge, IGWA
Nancy E. Murillo

Agenda Item No. 2 Executive Session

Mr. Alberdi made a motion for the Board to resolve into Executive Session. Mr. Stevenson seconded. Roll call vote: Mr. Alberdi: Yes; Mr. Barker: Yes; Mr. Cuddy: Yes; Mr. Raybould: Yes; Mr. Stevenson: Yes; Mr. Van Der Meulen: Yes; Mr. Van Stone: Yes; and Chairman Chase: Yes. 8 Ayes.

At approximately 8:05 a.m. the Board resolved into Executive Session by unanimous consent pursuant to Idaho Code Section 74-206(1) subsections (f), for the purposes 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. Topics discussed were: Big Wood, Lemhi and ESPA Recharge Water Rights.

No actions were taken by the Board during the Executive Session. Mr. Alberdi moved to exit out of Executive Session. Mr. Raybould seconded the motion. Voice vote: All were in favor. Motion carried. The Board resolved out of Executive Session at approximately 9:32 a.m.

Agenda Item No. 3: Agenda and Approval of Minutes 5-16

There was one noted adjustment to the Agenda. Mr. Patton said item No. 8b—a loan request for 3D Water Association—would not be addressed, per the memo that had been included in the meeting materials.

For the 5-16 Minutes, Mr. Raybould recommended that the word “requirement” be changed to “goal” on page 5 under Agenda item No. 12. Mr. Stevenson moved to approve the minutes as amended. It was seconded by Mr. Cuddy. Voice vote: all were in favor. The minutes were adopted.

Agenda Item No. 4: Public Comment

Some members of the community had requested time to speak during public comment. Chairman Chase recommended a five minute maximum per person. The following individuals addressed the Board:

Mr. Terrell Sorensen previously with the Falls Irrigation District and currently with the University of Idaho shared with the Board a need for help with late season water needs. They proposed a desire for three new wells to provide more water in the Falls Irrigation District.

Mr. Chris Colson of Ducks Unlimited expressed a desire to be included on the next meeting’s agenda regarding water fowl conservation. Ducks Unlimited is looking for common ground where aquifer recharge and breeding grounds can overlap to provide flood irrigation in historic flood plains.

Mr. John Williams provided updates on Bonneville Power Administration. He said a scoping process will begin and that he would keep the Board updated. He also thanked the Board members who participated in the BPA constituent survey.

Mr. Lyle Swank from Water District #01 had two issues for the Board to hear. First, he suggested that large private leases in the district could potentially cause problems for water supply balances. Also, he had concerns regarding Water District #01 rental pool leases that went outside of the ESPA boundaries. Secondly, he expressed concern with balancing federal programs that encourage the use of more efficient irrigation systems with the efforts to provide for the ESPA recharge program.

No actions were taken by the Board.

Agenda Item No. 5: Financial Status

Mr. Patton provided updates as of September 1st on the Board’s account balances. He highlighted changes to the Fiscal Memo. He presented the newest format for the Secondary Aquifer budget. Board members expressed appreciation for the new format. Finance Committee Chair, Mr. Alberdi said that the new format made the budget easy to track and understand. Mr. Patton said the Committee recommended that the new format be carried to the Revolving Development account balance sheets as the next goal to accomplish.

No actions were taken by the Board.

Agenda Item No. 6 ESPA Recharge

Mr. Hipke presented six resolutions for the Board to consider in the matter of aquifer stabilization and the Eastern Snake Plain Aquifer recharge efforts. The first was for the Butte Market Lake Canal Company to conduct recharge site identification.

Mr. Raybould moved to adopt the resolution that authorized expenditures not to exceed \$39,000 to the BMLCC to conduct potential site identification. Mr. Van Stone seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

The second resolution was for the New Sweden Irrigation District to do the preliminary survey work for the managed recharge site evaluation on their system.

Mr. Alberdi moved to adopt the resolution authorizing expenditures not to exceed \$39,000 to the NSID to conduct a survey. Mr. Cuddy seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

The third resolution was for the Quayles Lake site evaluation proposed by the Egin Bench Canal Company and Fremont-Madison Irrigation District. Mr. Raybould recused himself from the vote on this resolution.

Mr. Van Stone moved to adopt the resolution authorizing expenditures not to exceed \$20,000 to evaluate the site and provide necessary information to obtain BLM easements for that area. Mr. Van Der Meulen seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Abstain; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 7 Ayes. Motion passed. The resolution was adopted.

The fourth resolution was for the Woodville Canal Company to conduct a managed recharge site evaluation.

Mr. Stevenson moved to adopt the resolution authorizing expenditures not to exceed \$17,000 to evaluate the site. Mr. Raybould seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

The fifth resolution was for the Big Wood Canal Company to survey the Richfield managed recharge site.

Mr. Barker moved to adopt the resolution authorizing expenditures not to exceed \$47,000 to provide the preliminary survey work for the proposed site. Mr. Cuddy seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Abstain; Van Stone: Aye; Chairman Chase: Aye. 7 Ayes. Motion passed. The resolution was adopted.

The final resolution was for the South Fork managed recharge feasibility evaluation. There was some discussion among the Board regarding the options to evaluate six or nine of the possible sites.

Mr. Van Stone moved to adopt the resolution authorizing expenditures not to exceed \$166,000 to evaluate up to nine sites. Mr. Alberdi seconded the motion. Roll call vote: Alberdi:

Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

Agenda Item No. 7 Presentation by the Shoshone-Bannock Tribes on Water Issues

Ms. Elese Teton provided an overview of the Water Resources Department for the Shoshone-Bannock Tribes. She discussed the history of water issues on the reservation; current solutions; and future considerations.

No actions were taken by the Board.

Agenda Item No. 8 Loan Requests

Mr. Collingwood presented a loan for the North Side Canal Company. Mr. Raybould had a question about how soon NSCC would begin making repayments. Mr. Barker asked to be recused from discussion of this loan request. There was discussion about amending the resolution to include repayment terms.

Mr. Van Der Meulen moved to adopt the resolution as amended approving a loan not to exceed \$5,200,000 to the North Side Canal Company. Mr. Alberdi seconded the motion. Roll call vote: Alberdi: Aye; Barker: Abstain; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 7 Ayes. Motion passed. The resolution was adopted.

Agenda Item No. 9 IGWA Items

Mr. Patton introduced the first section of this agenda item, which requested action on a loan extension for the Ground Water Districts. He reminded the Board of the Finance Committee's recommendations. They had questions and concerns for IGWA. Mr. Stevenson informed the Board that he does have ground water rights within the Magic Valley Ground Water District, but that he is not affected any differently than any other water right holders. He expressed an intention to be included on the vote for the resolution.

Mr. Randy Budge represented IGWA and spoke with the Board about the issues. He informed the Board that he did not see any prohibition for the Districts to obtain further indebtedness. There was some discussion about repayment obligations. Mr. Raybould had some amendments to the resolution.

Mr. Raybould moved to adopt the resolution as amended approving an extension of the due date of the interim loan. Mr. Van Stone seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

Mr. Budge continued his discussion with the Board regarding other IGWA issues. He said most of the issues in the Hagerman Valley have been resolved. He discussed the trim line decision along the Great Rift and the Billingsley Creek decision. He stated the settlement with Buckeye is expected to be completed within a year. He said there is a 5th mitigation plan pending with Rangen.

Further, Mr. Budge provided updates on the Surface Water Coalition settlement agreement. There was some discussion on the State's role. He discussed the year's activities and the upcoming expectations.

Agenda Item No. 10 NRCS Snow Survey

Ms. Bridge Clark introduced Mr. Abramovich with NRCS. She reminded the Board that a resolution was included with the board materials. Mr. Abramovich had a presentation for the Board on a proposal for the identification and installation of new SNOTEL sites. He said that they would like a list of basins the Board would like to see evaluated. There was some discussion about having mid-level sites developed and about having other agencies on board for funding.

Ms. Bridge Clark discussed the resolution with the Board. There is an expectation for a future update to include the names of the others funding the project.

Mr. Van Stone moved to adopt the resolution as amended to provide funding not to exceed \$200,000 to develop new SNOTEL sites. Mr. Van Der Meulen seconded the motion. Roll call vote: Alberdi: Aye; Barker: Aye; Cuddy: Aye; Raybould: Aye; Stevenson: Aye; Van Der Meulen: Aye; Van Stone: Aye; Chairman Chase: Aye. 8 Ayes. Motion passed. The resolution was adopted.

Agenda Item No. 11 Appointment of Hearing Officer for Stream Channel Alteration Permits on the South Fork of the Clearwater

Mr. Patton informed the Board that a hearing officer needed to be appointed in regards to notice received from holders of stream channel alteration permits on the South Fork of the Clearwater.

Mr. Raybould moved to adopt the resolution appointing a hearing officer—Mr. James Cefalo. Mr. Cuddy seconded the motion. Voice vote: all were in favor. The resolution was adopted.

Agenda Item No. 12 Western States Water Council Report-Jerry Rigby

Mr. Jerry Rigby talked to the Board about his recent appointment to Director of Western State Water Council. He discussed the role of the WSWC in water issues of the West. He stated the next meeting will be in St. George, UT. The theme is "strategic planning" and will include the following topics: NASA landsat, Water SMART continuation, state water laws, and NPDES. He discussed other areas that the WSWC is involved. He said the Council is considering an increase in States' dues in the Council.

No action was taken by the Board.

Agenda Item No. 13 State Water Plan Sustainability Policy Update

Mr. Miller updated the Board on the Sustainability Policy. He reminded the Board that the final public hearing was held and that the comment period would end September 30, 2016. He stated that there is a Water Planning Committee meeting set for October 5th. Mr. Barker suggested that Mr. Miller have a summary of the comments and draft responses to those comments at that meeting.

No action was taken by the Board.

Agenda Item No. 14 Director's Report

Director Spackman mentioned the following topics to be discussed at the next meeting: GWMA public meetings; critical ground water areas orders issued; and Priest Lake levels. He did express concerns regarding the WD01 rental pool issues that Mr. Swank had discussed during public comment. He listed some of the current demands on the system in light of the mitigation demands. There was discussion among board members about the stresses on the system. The Director also discussed the proposed 2018 budget for the Department.

Agenda Item No. 15 Non-Action Items for Discussion

Mr. Raybould suggested that a discussion on Water Supply Bank functioning would be appreciated at the next Work Session. Also recommended was a meeting for the WSB Committee.

Agenda Item No. 16 Next Meeting and Adjourn

The next meeting was confirmed for November 1-2, 2016 in Boise in conjunction with the Idaho Water Users Association seminar. Mr. Raybould moved to adjourn. Mr. Cuddy seconded. Voice vote: all in favor. The meeting adjourned.

Respectfully submitted this 2nd day of November, 2016.

Vince Alberdi, Secretary

Jennifer Strange, Administrative Assistant II

Board Actions:

1. Mr. Stevenson moved to adopt Minutes 5-16. Mr. Alberdi seconded the motion. Voice Vote. All were in favor. Motion passed.
2. Mr. Raybould moved to adopt the resolution allocating funds up to \$39,000 to the BMLCC to conduct potential site identification. Mr. Van Stone seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
3. Mr. Alberdi moved to adopt the resolution allocating funds up to \$39,000 to the NSID. Mr. Cuddy seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
4. Mr. Van Stone moved to adopt the resolution allocating funds up to \$20,000 to Egin Bench Canal Company and FMID. Mr. Van Der Meulen seconded the motion. Roll Call Vote. 7 Ayes. 1 Abstain. Motion carried.
5. Mr. Stevenson moved to adopt the resolution allocating funds up to \$17,000 to the Woodville Canal Company. Mr. Raybould seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
6. Mr. Barker moved to adopt the resolution allocating funds up to \$47,000 to the Big Wood Canal Company. Mr. Cuddy seconded the motion. Roll Call Vote. 7 Ayes. 1 Abstain. Motion carried.
7. Mr. Van Stone moved to adopt the resolution allocating funds up to \$166,000 to the South Fork Canals. Mr. Cuddy seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
8. Mr. Van Der Meulen moved to adopt the resolution approving a loan not to exceed \$5,200,000 to the North Side Canal Company. Mr. Cuddy seconded the motion. Roll Call Vote. 7 Ayes. 1 Abstain. Motion carried.
9. Mr. Raybould moved to adopt resolution approving an extension of the due date of the interim loan for the Ground Water Districts. Mr. Van Stone seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
10. Mr. Van Stone moved to adopt the resolution authorizing funding not to exceed \$200,000 to the NRCS. Mr. Van Der Meulen seconded the motion. Roll Call Vote. 8 Ayes. Motion carried.
11. Mr. Raybould moved to adopt the resolution appointing a hearing officer—Mr. James Cefalo. Mr. Cuddy seconded the motion. Voice Vote. All were in favor. Motion passed.

**MATERIALS MAY BE PROVIDED AT THE
IWRB MEETING**

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Procurement Considerations

IWRB is exempt from the statute requiring construction contracts be administered and reviewed by Dept. of Admin. (Idaho Code § 67-5711). Even so, IWRB must comply with procedures of section 67-5711C, Idaho Code, for advertising and bidding of contracts. Section 67-5711C describes bidding process on public projects (sealed bids, advertising, awarded to “lowest responsible and responsive bidder,” etc.).

Chapter 92 of Title 67, State Procurement Act, directs the Administrator (in Division of Purchasing (within the Department of Administration)) in acquiring property and services for state agencies.

Definitions. Idaho Code § 67-9203.

(3) “Agency” means all officers, departments, divisions, bureaus, boards, commissions and institutions of the state, including the public utilities commission, but excluding: (a) The legislative and judicial branches of government; (b) The governor, lieutenant governor, secretary of state, state controller, state treasurer, attorney general and superintendent of public instruction; and (c) A state institution of higher education that complies with the provisions of section 67-9225, Idaho Code.

(12) “Property” means goods, services, parts, supplies and equipment, both tangible and intangible, including, but not limited to, designs, plans, programs, systems, techniques and any rights or interests in such property.

(17) “Vendor” means a person or entity capable of supplying property to the state.

Disqualification of vendors. Idaho Code § 67-9217.

(1) A disqualified vendor may not submit a bid.

(2) A vendor may be disqualified by the administrator for any of the following reasons:

(a) Failure to perform according to the terms of any contract;

(b) Attempts by whatever means to cause specifications to be drawn so as to favor a specific vendor;

(c) Use of the provisions of this chapter to obstruct or unreasonably delay acquisitions by the state;

(d) Perjury in a vendor disqualification hearing;

(e) Knowingly violate the provisions of this chapter; or

(f) Debarment, suspension or ineligibility from federal contracting of the vendor, its principals or its affiliates.

...

Prohibitions. Idaho Code § 67-9230.

...

(2) No member of the legislature or any officer or employee of any branch of the state government shall directly, himself, or by any other person in trust for him or for his use or benefit or on his account, undertake, execute, hold or enjoy, in whole or in part, any contract made or entered into by or on behalf

of the state of Idaho, if made by, through, or on behalf of the department in which he is an officer or employee; or if made by, through or on behalf of any other department unless the same is made after competitive bids.

(3) Except as provided in this chapter, no officer or employee shall influence or attempt to influence the award of a contract to a particular vendor, or to deprive or attempt to deprive any vendor of a contract.

(4) No officer or employee shall conspire with a vendor or its agent, and no vendor or its agent shall conspire with an officer or employee, to influence or attempt to influence the award of a contract, or to deprive or attempt to deprive a vendor of a contract.

...

(8) No vendor or related party, or subsidiary, or affiliate of a vendor, may submit a bid to obtain a contract to provide property to the state, if the vendor or related party, or affiliate or subsidiary was paid for services used in preparing the specifications or if the services influenced the procurement process.

Ethics in procurement. Idaho Code § 67-9233.

(1) It is the intent of the legislature that all persons involved in the process of procuring property for the state conduct themselves in a manner that protects the public interest and fosters confidence in the integrity of the process. To that end, this section shall apply to all such persons, including:

(a) State officers, even if the officer or officer's employer is excluded from the definition of "agency" under section 67-9203, Idaho Code;

(b) State employees, even if the employee works for an officer, institution or entity that is excluded from the definition of "agency" under section 67-9203, Idaho Code; and

(c) Vendors or any person acting on behalf of a vendor.

(2) In any matter relating to state procurement, it is an unethical breach of the public trust to:

(a) Knowingly attempt to realize personal gain through state office or employment by any conduct inconsistent with this chapter or any other applicable law or rule;

(b) Attempt to influence a state officer or employee to violate the policy or provisions of this chapter or any other applicable law or rule; or

(c) Knowingly violate an applicable law or rule.

(3) Subject to due process requirements, and in addition to any other administrative, civil or criminal sanctions provided by law or rule, a state employee's supervisor may impose the following sanctions on the employee for an unethical breach of the public trust:

(a) A reprimand or warning, either oral or written;

(b) Suspension with or without pay for a specified period of time; or

(c) Termination of employment.

(4) In addition to any other administrative, civil or criminal sanction provided by law or rule, a vendor who commits an unethical breach of the public trust, or whose advocate or representative commits an unethical breach of the public trust, may be disqualified pursuant to section 67-9217, Idaho Code.

MEMO



To: Idaho Water Resource Board
From: Brian Patton
Subject: Financial Status Report
Date: October 24, 2016

As of **October 1st** the IWRB's available and committed balances are as follows:

Secondary Aquifer Fund:

Committed/earmarked but not disbursed	\$17,164,220
Loan principal outstanding	\$4,000,000
Uncommitted Balance	\$0

Revolving Development Account:

Committed/earmarked but not disbursed	\$23,302,290
Loan principal outstanding	\$21,434,370
Uncommitted Balance	\$733,484
Anticipated funds available to loan next 1 year	\$2,433,484

Water Management Account

Committed/earmarked but not disbursed	\$111,376
Uncommitted Balance	\$9,915

Total committed/earmarked but not disbursed	\$40,577,886
Total loan principal outstanding	\$25,343,370
Total uncommitted balance	\$743,399
Total estimated funds available to loan next 1 year	\$2,433,484

Idaho Water Resource Board
Budget and Committed Funds
as of September 30, 2016

SECONDARY AQUIFER PLANNING, MANAGEMENT, & IMPLEMENTATION FUND

FYE 2014 Cash Balance..... **8,599,730.32**

FY 2015 Revenue

Interest Earned.....	(16,561.89)
HB618 - Pristine Springs Transfer.....	716,000.00
HB547 - State Recharge & Aquifer Stabilization (SRAS).....	5,000,000.00
TOTAL FY 2015 REVENUE	5,699,438.11

FY 2015 Expenditures

	Approved	Expenditures	Balance	Carry forward
Milner Gooding Concrete Flume Analysis (AFRD2).....	18,571.43	(18,000.88)	570.55	
Milner Gooding Canal Road Improvements (AFRD2).....	177,000.00	(176,880.00)	120.00	
Environmental Studies for Lake Walcott (A&B Irrigation).....	113,792.00	(113,163.84)	628.16	
Engineering Studies for Murtaugh Reservoir (Twin Falls Canal Co).....	20,000.00	(10,859.53)	9,140.47	
Lower Snake River Aquifer Recharge District (Test Holes).....	70,000.00	(39,782.74)	30,217.26	
Lower Snake River Aquifer Recharge District (Recharge Site Pump Test).....	3,000.00	(3,000.00)	0.00	
Reconveyance Costs.....	392,589.11	(392,589.11)	0.00	
Monitoring Costs.....	7,971.14	(7,971.14)	0.00	
Hydrology Monitoring Costs.....	600.00	(600.00)	0.00	
Operating Costs.....	34,193.58	(34,193.58)	0.00	
Engineering Studies for Wilson Lake (North Side Canal Company).....	34,389.11	(34,389.11)	0.00	
Magic Springs Pipeline loan.....	1,260,000.00	(1,260,000.00)	0.00	
TOTAL FY 2015 EXPENDITURES	2,132,106.37	(2,091,429.93)	40,676.44	

FY 2015 Committed Funds

	Approved	Amended	Obligated	Expenditures	Balance	Carry forward
Pristine Springs Transfer.....	717,438.65			(555,633.20)	161,805.45	
ESPA CAMP (HB479).....	4,000,000.00		4,000,000.00	(2,942,482.44)	1,057,517.56	
Northern Idaho Future Water Needs Studies (HB479).....	500,000.00		500,000.00	(276,400.07)	223,599.93	
Cooperative Weather Modification Program (Cloud Seeding).....	492,000.00		492,000.00	(288,378.64)	203,621.36	
Public Information Services (Steubner).....	55,000.00		55,000.00	(30,021.87)	24,978.13	
GWD Bond Preparatory Expenses.....	19,537.50		19,537.50		19,537.50	
Five-Year Managed Recharge Pilot Program.....	1,500,000.00			(1,429,560.23)	70,439.77	
Measurement devices for AWEPP conversion projects.....	183,544.79		183,544.79		183,544.79	
TOTAL FY 2015 COMMITTED FUNDS	7,467,520.94			(5,522,476.45)	1,945,044.49	

FY 2016 Revenue

Interest Earned.....	61,966.35
HB547 - State Recharge & Aquifer Stabilization (SRAS).....	5,000,000.00
SB1190 - Water Sustainability.....	500,000.00
TOTAL FY 2016 REVENUE	5,561,966.35

FY 2016 Budget	Approved	Amended	Obligated	Expenditures	Balance	Carry forward
ESPA Managed Recharge Operations						
Administrative Costs.....	50,000			(16,431.21)	33,568.79	33,568.79
Conveyance Costs.....	700,000			0.00	700,000.00	700,000.00
Equipment.....	81,000			(61,472.64)	19,527.36	19,527.36
Site Monitoring.....	219,000			(121,959.54)	97,040.46	97,040.46
Regional Monitoring.....	200,000			(187,750.74)	12,249.26	
Total ESPA Managed Recharge Operations.....	1,250,000			(387,614.13)	862,385.87	850,136.61
ESPA Managed Recharge Infrastructure						
Milner-Gooding concrete flume.....	700,000		700,000.00	(700,000.00)	0.00	
Milner-Gooding Dietrich Drop hydro plant bypass.....	50,000	1,500,000.00	1,500,000.00	(9,576.00)	1,490,424.00	
Twin Falls Canal recharge improvements.....	500,000				500,000.00	500,000.00
Northside canal hydro plant bypasses.....	2,000,000		2,000,000.00	(223,074.36)	1,776,925.64	1,776,925.64
Great Feeder Canal recharge improvements.....	500,000		500,000.00	(500,000.00)	0.00	
Egin Recharge Enlargement.....	500,000	500,000.00	1,000,000.00	(933,788.09)	66,211.91	
Milner-Gooding Expansion of MP31 Recharge Site.....	200,000		200,000.00	(200,000.00)	0.00	
Milner-Gooding Canal Road Improvements MP31 to Shoshone Recharge.....	150,000		150,000.00	(116,773.00)	33,227.00	
Jensen Grove.....	26,527		26,527.00	(26,527.00)	0.00	
SRVID Monitoring.....	5,000		5,000.00		5,000.00	
Remaining Funds.....	1,618,473	(2,000,000.00)			(381,527.00)	(381,527.00)
Total ESPA Managed Recharge Infrastructure	6,250,000	0.00	6,081,527.00	(2,709,738.45)	3,490,261.55	1,895,398.64
Managed Recharge Investigations						
Dietrich Drop Hydro Plant Options Study.....	30,064		30,064.00	(30,064.00)	0.00	
Milner-Gooding Expansion of MP31 Recharge Site Study.....	36,500		36,500.00	(15,055.60)	21,444.40	
De-icing Study.....	26,000		26,000.00	(24,973.67)	1,026.33	1,026.33
Remaining Funds.....	171,004				171,004.00	171,004.00
Total Managed Recharge Investigations.....	263,568		92,564.00	(70,093.27)	193,474.73	172,030.33
STATE-WIDE						
Ground water conservation grants in priority aquifers (Roger's proposal).....	200,000			(10,053.00)	189,947.00	
Treasure Valley Star Study.....	25,000				25,000.00	
Treasure Valley Supply Option.....	13,200			(13,200.00)	0.00	
Cloud Seeding.....	200,000			(200,000.00)	0.00	
Elmore County.....	65,000			(30,000.00)	35,000.00	
Amount reserved for projects in other priority aquifers.....	1,000,000				1,000,000.00	1,000,000.00
STATE-WIDE TOTAL.....	1,503,200			(253,253.00)	1,249,947.00	1,000,000.00
FY 2016 CARRY FORWARD.....						3,917,565.58
Magic Springs Pipeline loan.....				(2,740,000.00)	(2,740,000.00)	(2,740,000.00)
TOTAL FY 2016 COMMITTED FUNDS.....	9,266,768.00		6,174,091.00	(6,160,698.85)	3,056,069.15	
FY 2016 CARRY FORWARD BALANCE.....						1,177,565.58
FY 2017 Revenue						
Interest.....				25,512.56		
HB547 - State Recharge & Aquifer Stabilization (SRAS).....				0.00		
SB1402, Sec 4 - Water Sustainability.....				2,500,000.00		
SB1402, Sec 5 - Water Sustainability.....				5,000,000.00		
TOTAL FY 2017 REVENUE.....				7,525,512.56		

FY 2017 Budget	Approved	Amended	Obligated	Expenditures	Balance	Carry forward
ESPA Managed Recharge Operations						
Conveyance Cost.....	1,500,000				1,500,000.00	
Equipment & Supplies.....	87,000				87,000.00	
Site Monitoring.....	114,000			(7,288.08)	106,711.92	
Regional Monitoring.....	200,000				200,000.00	
Total ESPA Managed Recharge Operations.....	1,901,000				1,893,711.92	
ESPA Managed Recharge Infrastructure						
NSCC Wilson Lake Infrastructure Project.....	4,000,000	800,000.00	4,800,000.00	(140,687.82)	4,659,312.18	
SWID Recharge Project.....	1,000,000	(400,000.00)	600,000.00		600,000.00	
MP31 Check Dam.....	1,000,000			(142,090.35)	857,909.65	
Egin Lakes Phase II.....	500,000				500,000.00	
Reserved for Additional Recharge Projects.....	1,000,000	(400,000.00)			600,000.00	
Total ESPA Managed Recharge Infrastructure.....	7,500,000				7,217,221.83	
Managed Recharge Investigations						
ASCC Recharge Feasibility.....	300,000				300,000.00	
South Fork Engineering & Site Evaluation.....	200,000				200,000.00	
NSID Recharge Feasibility.....	200,000				200,000.00	
Reserved for additional investigations and engineering.....	300,000				300,000.00	
Total Managed Recharge Investigations.....	1,000,000				1,000,000.00	
TREASURE VALLEY						
Treasure Valley Modeling.....	500,000				500,000.00	
Treasure Valley Recharge Study.....	200,000			(3,181.25)	196,818.75	
Anderson Ranch Reservoir Enlargement Study.....	100,000				100,000.00	
Treasure Valley DCM Water Conservation Study.....	200,000				200,000.00	
TREASURE VALLEY TOTAL.....	1,000,000				996,818.75	
WOOD RIVER VALLEY						
Wood River Valley Aquifer Ground Water Model Enhancements.....	200,000				200,000.00	
WOOD RIVER VALLEY TOTAL.....	200,000				200,000.00	
WEISER BASIN						
Weiser Basin Project.....	200,000				200,000.00	
WEISER BASIN TOTAL.....	200,000				200,000.00	
NORTHERN IDAHO AQUIFERS						
Reserve for additional investigations related to Northern Idaho Aquifers.....	109,273				109,273.00	
NORTHERN IDAHO AQUIFERS TOTAL.....	109,273				109,273.00	
STATE-WIDE						
Aquifer monitoring network enhancements in priority aquifers.....	100,000				100,000.00	
NRCS Snow Survey contribution.....	100,000	100,000.00			200,000.00	
Cooperative Cloud Seeding Program.....	600,000				600,000.00	
Ground water conservation grants in priority aquifers.....	200,000				200,000.00	
Administrative expenses (public information, staff training, etc.....)	75,000				75,000.00	
STATE-WIDE TOTAL.....	1,075,000				1,175,000.00	
Unspecified Projects in Other Areas or Carry-over.....	1,459,062				1,459,062.00	
TOTAL FY 2017 BUDGETED FUNDS.....	14,444,335				14,251,087.50	

IDAHO WATER RESOURCE BOARD
Sources and Applications of Funds
as of September 30, 2016
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.....	\$8,741,564.93
Interest Earned State Treasury (Transferred).....	\$1,694,577.83
Filing Fee Balance.....	\$47,640.20
Bond Fees.....	\$1,469,601.45
Arbitrage Calculation Fees.....	(\$12,000.00)
Protest Fees.....	(\$820.00)
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.....	\$25,857.59
Attorney fees for Jughandle LID.....	(\$3,600.00)
Attorney fees for A&B Irrigation.....	(\$4,637.50)
Water Supply Bank Receipts.....	\$4,965,461.43
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.....	(\$1,533,047.30)
Boise River Storage Feasibility Study.....	(\$333,000.00)
Geotech Environmental (Transducers).....	(\$6,402.61)
Priest Lake Improvement Study (16-Mar-16).....	(\$463.68)
Legislative Appropriation 2014, HB 479 Sec 1 and 2.....	\$10,500,000.00
Appraisal (LeMoyné Appraisal LLC).....	(\$10,500.00)
Payment to JR Simplot Co for water rights.....	(\$2,500,000.00)
IWRB WSB Lease Application.....	(\$750.00)
Mountain Home Misc Costs.....	(\$106,782.63)
Galloway Dam & Reservoir Project (HB 479).....	(\$124,708.68)
Water District 02 Assessments for Mtn Home.....	(\$2,078.61)
Boise River (Arrowrock Enlargement) Feasibility Study (HB479).....	(\$543,999.96)
Island Park Enlargement (HB 479).....	(\$55,947.20)
Water Supply Bank Computer Infrastructure (HB 479).....	(\$464,743.25)
Treasuron Irrigation Ditch Co.....	(\$5,000.00)
Aqualife Hatchery Sub-Account	
Aqualife Hatchery, HB644, 2014.....	(\$1,885,000.00)
Aqualife Lease receipt from Seapac.....	\$114,720.00
Tax Payments.....	(\$1,419.15)
Lemoyne Appraisal for Aqualife facility.....	(\$10,500.00)
Loan payments received.....	\$1,929,406.31
Loans Outstanding	
ESPA Ground Water Districts (Aqualife purchase).....	\$970,593.69
Total Loans Outstanding	\$970,593.69
Balance Aqualife Hatchery Sub-Account.....	\$147,207.16
Bell Rapids Water Rights Sub-Account	
Legislative Appropriation 2005, HB392.....	\$21,300,000.00
Interest Earned State Treasury.....	\$693,411.05
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 Water District 02 Assessments.....	(\$27,903.60)
Payment for Ongoing Bell Rapids Finance Costs (trustee fees, water bank, etc.).....	(\$6,740.10)
Commitments	
Ongoing Bell Rapids Finance Costs (trustee fees, WD02).....	\$153,366.89
Committed for alternative finance payment.....	\$0.00
Total Commitments.....	\$153,366.89
Balance Bell Rapids Water Rights Sub-Account.....	\$0.00
Pristine Springs Project Sub-Account	
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.....	\$39,772.81
Loan Interest.....	\$2,116,784.68
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.....	\$4,041,679.61	
Appraisal.....	(\$25,500.00)	
Insurance.....	(\$48,494.25)	
Recharge District Assessment.....	(\$26,605.25)	
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)	
Payment to Dan Lafferty Contruction.....	(\$16,846.68)	
Telemetry Station Equipment.....	(\$15,193.92)	
Rein Tech LLC (Satellite phone annual payment).....	(\$1,980.00)	
Standley Trenching (Trac system for communication equip).....	(\$2,863.99)	
Property Taxes and other fee assessments (Jerome County).....	(\$9,676.95)	
Rental Payments.....	\$1,668,534.18	
Payments to Scott Kaster.....	(\$149,220.48)	
Utility Payments (Idaho Power).....	(\$37,804.99)	
Costs for property maintenance.....	(\$193,171.70)	
Travel costs for property maintenance.....	(\$383.31)	
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)	
Transferred to Secondary Aquifer Fund (2014 Legislature; HB 618).....	(\$716,000.00)	
Transferred to Aquifer Planning Fund (2015 Legislature; HB 273).....	(\$716,000.00)	
Transferred to Aquifer Planning Fund (2016 Legislature; SB 1402, Sec 3).....	(\$716,000.00)	
Pristine Springs Hydropower Projects		
Net power sales revenues.....	\$648,566.82	
Pristine Springs Committed Funds		
To be transferred to Aquifer Planning Fund	-357,996.00	
Repair/Replacement Fund.....	\$1,007,427.96	
TOTAL COMMITTED FUNDS.....	\$649,431.96	
Loans Outstanding		
North Snake and Magic Valley Ground Water Districts.....	\$5,958,320.39	
Total Loans Outstanding.....	\$5,958,320.39	
Funds to RP CAMP & TV CAMP Sub-Account	\$271,672.34	
Pristine Springs Revenues into Main Revolving Development Account.....		\$314,824.56
Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account		
Pristine Springs Hydropower and Rental Revenues.....	\$271,672.34	
Interest Earned State Treasury.....	\$573.11	
Spokane River Forum.....	(\$13,000.00)	
Treasure Valley Water Quality Summit.....	(\$500.00)	
Kootenai-Shoshone Soil & Water Cons. Dist. - Agrimet Station.....	(\$20,000.00)	
Rathdrum Prairie-Spokane Valley Aquifer Pumping Study (CON00989).....	(\$70,000.00)	
Committed Funds.....		
Kootenai-Shoshone Soil & Water Cons. Dist. - Agrimet Station.....	\$0.00	
Spokane River Forum.....	\$0.00	
Rathdrum Prairie-Spokane Valley Aquifer Pumping Study.....	\$0.00	
Treasure Valley Water Quality Summit.....	\$0.00	
TOTAL COMMITTED FUNDS.....	\$0.00	
Balance Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account.....	\$168,745.45	
Upper Salmon/CBWTP Sub-Account		
Water Transaction Projects Payment Advances from CBWTP/Accord	\$3,376,193.09	
PCSRF Funds for Administration of Non-Diversion Easements on Lemhi River.....	\$225,482.76	
Interest Earned State Treasury.....	\$112,477.79	
Transfer to Water Supply Bank.....	(\$55,548.12)	
Change of Ownership.....	(\$600.00)	
Granite Creek Appraisal.....	(\$4,000.00)	
Alturas Lake Creek Appraisal.....	(\$8,989.23)	
Payments for Water Acquisition	(\$797,852.42)	
Committed Funds		
Administration of Non-Diversion Easements on Lemhi River.....	\$134,132.19	
Alturas Lake Creek (Breckenridge).....	(\$0.00)	
Bayhorse Creek (Peterson Ranch).....	\$33,403.46	
Beaver Creek (DOT LLP).....	\$0.00	
Big Hat Creek.....	\$0.00	
Big Timber Tyler (Leadore Land Partners).....	\$497,761.30	
Canyon Creek/Big Timber Creek (Beyeler).....	\$459,528.47	
Fourth of July Creek (Vanderbilt).....	\$18,437.16	
Iron Creek (Phillips).....	\$0.00	
Iron Creek (Koncz).....	\$242,984.27	
Kenney Creek Source Switch (Gail Andrews).....	\$25,426.43	
Lemhi - Big Springs (Merrill Beyeler).....	\$62,818.25	
Lemhi River & Little Springs Creek (Kauer).....	\$22,062.27	
Little Springs Creek (Snyder).....	\$294,681.45	
Lower Eighteenmile Creek (Ellsworth Angus Ranch).....	\$1,777.78	
Lower Lemhi Thomas (Robert Thomas).....	\$1,800.00	
P-9 Bowles (River Valley Ranch).....	\$312,656.46	
P-9 Charlton (Sydney Dowton).....	\$20,694.83	
P-9 Dowton (Western Sky LLC).....	\$247,989.83	
P-9 Elzinga (Elzinga).....	\$306,743.16	
Patterson-Big Springs (PBSC9).....	\$193,385.01	
Spring Creek (Richard Beard).....	\$1,628.64	
Spring Creek (Ella Beard).....	\$2,387.07	
Whitefish (Leadore Land Partners).....	\$189,538.72	
Total Committed Funds.....	\$3,069,836.75	
Balance CBWTP Sub-Account.....	(\$222,672.88)	
Water District 02 WaterSmart Grant Sub-Account		
Received from BOR for BORWS2.....	\$118,058.42	

Received from BOR for BORWS3.....	\$56,080.12
Payments made to contractors for BORWS2.....	(\$118,058.42)
Payments made to contractors for BORWS3.....	(\$59,960.43)
Committed Funds:	
Grant Approval for BORWS2.....	\$29,866.58
Grant Approval for BORWS3.....	\$320,049.60
Total Committed Funds.....	\$349,916.18
Balance WaterSmart Grant Sub-Account.....	(\$3,880.31)

Water Supply Bank Sub-Account

Interest Earned State Treasury.....	\$2,959.67
Payments received from renters for 2013 season.....	\$529,823.25
Payments received from renters for 2014 season.....	\$609,120.41
Payments received from renters for 2015 season.....	\$585,885.61
Payments received from renters for 2016 season.....	\$571,461.37
Payments made to owners for 2013 season.....	(\$522,645.12)
Payments made to owners for 2014 season.....	(\$599,422.75)
Payments made to owners for 2015 season.....	(\$582,864.66)
Water Supply Bank Sub-Account Subtotal.....	\$594,317.78
Committed Funds:	
Owners Share.....	\$545,113.68
Total Committed Funds.....	\$545,113.68
Balance Water Supply Bank Sub-Account.....	\$49,204.10

Eastern Snake Plain Sub-Account

Legislative Appropriation 2005, HB392.....	\$7,200,000.00
Legislative Appropriation 2005, HB392, CREP Program.....	\$3,000,000.00
Interest Earned State Treasury.....	\$1,911,986.88
Loan Interest.....	\$235,523.45
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.....	(\$3,516,544.76)
Reimbursement from BOR for Palisades Reservoir.....	\$2,381.12
W-Canal Project Costs.....	(\$326,834.11)
Black Canyon Exchange Project Costs.....	(\$115,276.00)
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.....	(\$28,909.30)
Pristine Springs Cost Project Costs.....	(\$6,863.91)
Loans and Other Commitments	
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.....	\$337,594.00
Commitment - Palasades Storage O&M.....	\$10,000.00
Commitment - Black Canyon Exchange Project (fund with ongoing revenues).....	\$485,848.95
Total Loans and Other Commitments.....	\$3,614,643.45
Loans Outstanding:	
American Falls-Aberdeen GWD (CREP).....	\$78,070.23
Bingham GWD (CREP).....	\$0.00
Bonneville Jefferson GWD (CREP).....	\$47,835.17
Magic Valley GWD (CREP).....	\$74,633.56
North Snake GWD (CREP).....	\$37,658.96
TOTAL ESP LOANS OUTSTANDING.....	\$238,197.92
Uncommitted Balance Eastern Snake Plain Sub-Account.....	\$525,093.88

Dworshak Hydropower Project

Dworshak Project Revenues		
Power Sales & Other.....	\$7,260,922.73	
Interest Earned State Treasury.....	498,208.53	
Total Dworshak Project Revenues.....		\$7,759,131.26
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.....	\$2,257,528.22	
Powerplant Repairs.....	\$58,488.80	
Bond payoff.....	\$391,863.11	
Capital Improvements.....	\$318,366.79	
FERC Payments.....	\$65,492.58	
Total Dworshak Project Expenses.....		(\$3,780,832.31)
Dworshak Project Committed Funds		
Emergency Repair/Future Replacement Fund.....	\$1,314,575.00	
FERC Fee Payment Fund.....	\$14,879.33	
Total Dworshak Project Committed Funds.....		\$1,329,454.33
Excess Dworshak Funds into Main Revolving Development Account.....		\$2,648,844.62
TOTAL.....		\$27,927,571.11

Loans Outstanding:	Amount Loaned	Principal Outstanding
A&B Irrigation District (18-July-14; pipeline and conversion project).....	7,000,000	\$6,747,773.83
Aberdeen-Springfield Canal Company (WRB-491; Diversion structure)	\$329,761	\$99,877.37

Bee Line Water Association (Sep 23, 2014; System Improvements).....	600,000.00	\$84,318.34
Boise City Canal Company (WRB-492)...Grove St Canal Rehab	\$110,618	\$0.00
Bonnie Laura Water Corporation (14-Jul-06; Well repairs).....	\$71,000	\$7,133.08
Canyon County Drainage District No. 2 (28-Nov-12; Drain tile pipeline	\$35,000	\$26,316.76
Challis Irrigation Company (28-Nov-07; river gate replacement).....	\$50,000	\$9,701.77
Chaparral Water Association (21-Jan-11; Well deepening & improvem	68,000	\$16,924.35
Clearview Water Company.....	50,000	\$45,667.10
Cloverdale Ridge Water Corp. (irrigation system rehab 25-sep-09).....	106,400	\$41,176.11
Consolidated Irrigation Company (July 20, 2012; pipeline project).....	1,500,000	\$769,303.45
Consolidated Irrigation Company (July 20, 2012; pipeline project).....	500,000	\$500,000.00
Country Club Subdivision Water Association (18-May-07, Well Project).	\$102,000	\$24,008.22
Cub River Irrigation Company (18-Nov-05; Pipeline project).....	\$1,000,000	\$0.00
Cub River Irrigation Company.....	\$500,000	\$0.00
Enterprise Irrigation District (14-Jul-06; Pipeline project).....	\$37,270	\$4,644.00
Enterprise Irrigation District (North Lateral Pipeline).....	\$105,420	\$27,562.12
Firth, City of.....	\$112,888	\$0.00
Foothills Ranch Homeowners Association (7-oct-11; well rehab).....	\$150,000	\$108,708.62
Harvest Valley Homeowners Association (22-Mar-13; Pump Replacem	4,500.00	\$1,329.43
Jefferson Irrigation Company (well deepenings).....	\$207,016	\$0.00
Jefferson Irrigation Company (9-May-2008 Well Replacement).....	\$81,000	\$32,221.09
Jughandle HOA/Valley County Local Improvement District No. 1 (well p	\$907,552	\$619,593.46
King Hill Irrigation District (24-Sep-10; Pipeline replacement.....	\$300,000	\$70,806.38
Lake Reservoir Company (29-July-11; Payette Lake-Lardo Dam Outle	\$594,000	\$105,150.40
Last Chance Canal Company (WRB-497).....	\$500,000	\$0.00
Last Chance Canal Company (14-July-2015, diversion dam rebuild).....	2,500,000.00	\$2,133,510.64
Lava Hot Springs, City of.....	\$347,510	\$82,161.12
Lindsay Lateral Association (Engineering Design Project & Pipeline Stu	\$19,700	\$12,425.29
Live-More Lake Community (9-Jun-04).....	\$42,000	\$10,980.67
Lower Payette Ditch Company (2-Apr-04; Diversion dam replacement;	\$875,000	\$0.00
Marsh Center Irrigation Company (13-May-05; Hawkins Dam).....	\$236,141	\$98,522.65
Marysville Irrigation Company (18-May-07, Pipeline Project Phase 1)...	\$625,000	\$137,152.90
Marysville Irrigation Company (9-May-08, Pipeline Project Phase 2)....	\$1,100,000	\$194,623.03
Meander Point Subdivison Homeowners Association (7-Sep-07; comn	\$330,000	\$0.00
North Fremont Canal Systems (25-Jan-13; Marysville Project).....	\$2,500,000	\$1,558,287.25
Outlet Water Association (22-Jan-16; new well & improvements).....	100,000.00	\$71,040.11
Pinehurst Water District (23-Jan-15).....	100,000	\$75,025.30
Point Springs Grazing Association (July 20, 2012; stock water pipeline)	48,280.00	\$35,711.11
Preston-Whitney Irrigation Company (29-May-09; Fairview Lateral Pipe	\$800,000	\$45,292.32
Producers Irrigation Company (17-Mar-06; well replacements).....	\$185,000	\$11,729.65
Ranch Subdivision Property Owners Assoc.....	\$24,834	\$2,587.83
Riverside Independent Water District	\$350,000	\$93,411.42
Skin Creek Water Association.....	\$188,258	\$41,705.44
Spirit Bend Water Association.....	\$92,000	\$16,402.57
Sunset Heights Water District (17-May-13; Exchange water project)...	\$48,000	\$25,547.57
Twin Lakes Canal Company (Winder Lateral Pipeline Project).....	\$500,000	\$267,629.45
Twin Lakes Canal Company (Bear River Narrows).....	\$90,000	\$11,296.22
Whitney-Nashville Water Company.....	\$225,000	\$0.00
TOTAL LOANS OUTSTANDING.....		\$14,267,258.42
Loans and Other Funding Obligations:		
Legislative Appropriation 2014, HB 479 Sec 1 and 2		
Mountain Home AFB Water Rights (HB479).....	\$1,417,167.03	
Galloway Dam & Reservoir Project (HB 479).....	\$1,912,390.00	
Boise River (Arrowrock Enlargement) Feasibility Study (HB479).....	\$1,122,310.89	
Island Park Enlargement (HB479).....	\$2,472,125.00	
Water Supply Bank Computer Infrastructure (HB 479).....	\$35,256.75	
Aqua Life Hatchery, HB644, 2014.....	\$0.00	
Senate Bill 1511 - Teton Replacement and Minidoka Enlargement Studies.....	\$678,161.82	
Boise River Storage Feasibility Study.....	\$13,578.15	
Weiser-Galloway Study (28-May-10).....	\$461,620.87	
Priest Lake Improvement Study (16-Mar-16).....	\$299,536.32	
Bee Line Water Association (Sep 23, 2014; System Improvements).....	\$515,681.66	
Dalton Water Association (22-Jul-16; water pipeline).....	\$1,036,900.00	
Dover, City of (23-Jul-10; Water Intake project).....	\$194,063.00	
Last Chance Canal Company (14-July-2015, diversion dam rebuild).....	\$0.00	
North Side Canal Company (16-sep-16; canal rehab project).....	\$1,800,000.00	
Outlet Water Association (22-Jan-16; new well & improvements).....	\$28,959.89	
Producers Irrigation Company (23-May-16; new wells).....	\$173,000.00	
St. Johns Irrigating Company (14-July-2015; pipeline project).....	\$1,429,775.00	
TOTAL LOANS AND OTHER FUNDING OBLIGATIONS.....		\$13,590,526.38
Uncommitted Funds.....		\$69,786.31
TOTAL.....		\$27,927,571.11

(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 September 30, 2016
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
TOTAL	\$4,497,489.85

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

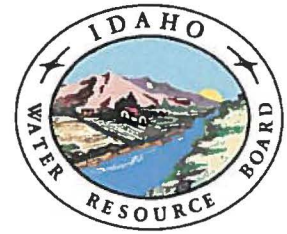
Northside Estates Homeowners Association.....	\$4,492.00	
North Tamar Butte Water & Sewer District.....	\$3,575.18	
North Water & Sewer District.....	\$3,825.00	
Parkview Water Association.....	\$4,649.98	
Payette, City of.....	\$6,579.00	
Pierce, City of.....	\$7,500.00	
Potlatch, City of.....	\$6,474.00	
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	
TOTAL GRANTS DISBURSED.....		(\$1,632,755.21)
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	
TOTAL IWRB AND LEGISLATIVE DIRECTED EXPENDITURES.....		(\$2,732,017.19)
WATER RESOURCE BOARD RECHARGE PROJECTS.....		(\$11,426.88)
CURRENT ACCOUNT BALANCE.....		\$121,290.57
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	
TOTAL GRANTS & LOANS OBLIGATED & UNDISBURSED.....		\$111,375.55
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
TOTAL LOANS OUTSTANDING.....		\$0.00
Uncommitted Funds.....		\$9,915.02
CURRENT ACCOUNT BALANCE.....		\$121,290.57

TO: Idaho Water Resource Board

FROM: Neeley Miller, IDWR Planning & Projects Bureau

DATE: October 21, 2016

RE: Ground Water Conservation Grants



-
- As IWRB members may recall there has been a desire on the part of the IWRB to develop a ground water conservation grant to provide financial assistance to municipalities and other eligible entities interested in pursuing ground water conservation projects. Pursuing ground water conservation projects can help water entities reduce water demands, lower operational costs such as pumping and water treatment, and reduce or postpone the need for additional water supplies.
 - The IWRB Finance Committee met on May 6th and reviewed available funds, prioritized needs and developed a recommend Fiscal Year 2017 budget that included \$200,000 for ground water conservation grants.
 - The IWRB adopted by resolution a budget for Fiscal Year 2017 on May 20th authorizing the use of continuously appropriated Secondary Aquifer Planning and Management and Implementation Fund for ground water conservation grants. The budget resolution adopted on May 20th by the IWRB required the IWRB to develop criteria for the award of ground water conservation grants prior to any grants being awarded.
 - A resolution is attached that establishes the criteria for the award of ground water conservation grants. The IWRB may amend the criteria as needed during FY 2017.
 - Please review the attached resolution and criteria to ensure it matches the IWRB's expectations.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF GROUND WATER)
CONSERVATION GRANTS)
_____)
A RESOLUTION

WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocated \$5 million annually from the Cigarette Tax to the Idaho Water Resource Board ("IWRB") for statewide aquifer stabilization; and

WHEREAS, many aquifer across Idaho are declining and have existing or potential conjunctive administration water use conflicts, including the Eastern Snake Plain Aquifer, the Wood River Aquifer, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, the Rathdrum Prairie Aquifer and others; and

WHEREAS, on May 6, 2016, the IWRB Finance Committee met and recommended a Fiscal Year 2017 budget that included \$200,000 for ground water conservation grants; and

WHEREAS, on May 20, 2016, the IWRB adopted by resolution a budget for Fiscal Year 2017 authorizing the use of continuously appropriated Secondary Aquifer Planning and Management and Implementation Fund for ground water conservation grants; and

WHEREAS, the budget resolution adopted on May 20, 2016 by the IWRB required the IWRB to develop a criteria for the award of ground water conservation grants prior to any grants being awarded; and

NOW, THEREFORE BE IT RESOLVED that the IWRB adopts the criteria attached hereto in Attachment A for the award of ground water conservation grants for Fiscal Year 2017.

BE IT FURTHER RESOLVED that any funds awarded for ground water conservation grants shall be approved by the IWRB by resolution.

BE IT FURTHER RESOLVED that the IWRB may modify these criteria during Fiscal Year 2017 at a properly noticed meeting of the IWRB.

DATED this 2nd day of November 2016.

ROGER CHASE, Chairman
Idaho Water Resource Board

ATTEST _____
VINCE ALBERDI, Secretary

ATTACHMENT A

IWRB Ground Water Conservation Grant Criteria

The Ground Water Conservation Grant Program provides financial assistance to municipalities and other eligible entities interested in pursuing groundwater conservation projects and studies. Pursuing ground water conservation can help water providers reduce water demands, lower operational costs such as pumping and water treatment, and reduce or postpone the need for additional water supplies. To be considered for funding, entities must be metered or have a plan for metering.

Eligible Entities*: Municipalities, Homeowner Associations, Water User Associations, Private Corporations, Irrigation Districts, Irrigation Companies, and Ground Water Districts

Eligible Geographic Area: Statewide; priority will be given to grant applications from the Eastern Snake Plain Aquifer, the Wood River Aquifer, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, and the Rathdrum Prairie Aquifer.

Program Budget:

- \$200,000 (set annually by the Finance Committee; program must be renewed each year);
- No more than 50% (\$100,000) of total budget will be spent within a single Board District
- No more than 50% of total budget allowed within a single Board District (\$50,000) will be spent on agricultural groundwater conservation projects.
- These limits may be waived if there are not competing demands.

Grant Amount: Projects - \$5,000 to \$20,000; Studies – up to \$10,000

Grant Term: 1 year

Application Deadline: Open through April 1, 2017

Matching Funds for Projects:

- Entities requesting funding for ground water conservation projects must provide \$2 (66%) for every \$1 (33%) awarded by the Board.
- In-kind services can be used for one-third (33%) of the projects costs.

Matching Funds for Studies

- Entities requesting funding for ground water conservation studies must provide \$1 (50%) for every \$1 (50%) awarded by the Board.

Funding Distribution:

- 25% of the grant funds will be distributed at the start of the project.
- 25% will be distributed upon submittal of Mid-Point Progress Report.
- The final 50% of the grant funds will be distributed at the end of the project.

Project Deliverables: Entities that receive grant funding will be required to provide a written final Grant Performance Report to the Board (including a review of the activities completed under the grant), an estimate of actual water savings realized and other information that may be relevant to the Board. Future grant funds will not be considered if a final project report is not submitted.

Board Districts are as follows:

District No. 1: Boundary, Bonner, Kootenai, Shoshone, Benewah, Latah, Clearwater, Nez Perce, Lewis and Idaho counties.

District No. 2: Adams, Valley, Washington, Payette, Gem, Boise, Canyon, Ada, Elmore and Owyhee counties.

District No. 3: Camas, Gooding, Jerome, Twin Falls, Cassia, Blaine, Lincoln, Minidoka, Lemhi, Custer and Butte counties.

District No. 4: Clark, Fremont, Jefferson, Madison, Teton, Bingham, Bonneville, Power, Bannock, Caribou, Oneida, Franklin and Bear Lake counties.

**Entities with agricultural operations of more than 40 acres are not eligible for this grant. Other funding sources are available for these entities.*

***The Board can adjust and/or waive these criteria on a case-by-case basis by resolution.*

Memorandum

To: Idaho Water Resource Board
From: Wesley Hipke
Date: October 25th, 2016
Re: Treasure Valley Managed Recharge Feasibility Study



I. Introduction

The Idaho Water Resource Board (IWRB) is commissioning the Treasure Valley Managed Recharge Study ("Study") to obtain a better understanding of the feasibility of using managed recharge within the Treasure Valley as a viable water management tool. The study will assess the volume of water available for recharge and the managed recharge potential throughout the Treasure Valley Study Area (as depicted on Figure 1). The completed study will provide a tool for the IWRB and water managers in the Treasure Valley to determine if managed recharge is an appropriate water management tool to address their specific water management challenges.

II. Background

The Idaho Water Resource Board (IWRB) is responsible for formulating and implementing the State Water Plan for optimum development of the water resources in the public interest. Within the Treasure Valley, historically upstream mountain snowpack has provided a storage mechanism to retain wintertime precipitation and release it in the spring and summer. As demand grew, this natural storage mechanism has been augmented with man-made reservoirs for additional surface water storage. The demand for water is expected to continue to grow considering the large metropolitan area within the Treasure Valley. Boise, Nampa, and Meridian were one of the fastest growing metro areas in 2014 according to the U.S. Census Bureau.

The projected increase in growth within the Treasure Valley will present challenges concerning water supply. This issue could be further compounded considering the finite volume of groundwater and surface water supplies becoming increasingly variable. When water is available, strategies need to be developed on how best to manage the water. The Treasure Valley water system is a complex system of dynamic interconnection between surface water and groundwater. The connection between these waters is a critical element in determining strategies that will meet the future water needs of the Treasure Valley.

The IWRB is employing a science-based approach to develop plans and associated projects that will address the uncertainties in the Treasure Valley's future water supply. One of the water management tools being considered for the Treasure Valley is managed recharge. Managed

recharge has been used to address a variety of issues throughout the West, including aquifer replenishment, aquifer storage for future recovery, water quality improvement of the recharged water and/or groundwater, and increasing aquifer discharge to surface water supplies. Managed recharge can be adapted to address a variety of concerns taking into account uncertain and changing future conditions.

Within the Treasure Valley, managed recharge could be used to capture water that would otherwise flow out of the state, assist in keeping the aquifer in balance, and develop additional water supply for future demand. Three key components of a successful managed recharge program that need to be addressed are the availability of the supply/sources of water for recharge, identification of locations with the hydrogeological properties that are conducive for managed recharge, and the fate of the recharge water meeting management goals.

III. Treasure Valley Managed Recharge Feasibility Study

The proposed Treasure Valley Managed Recharge Feasibility Study (Study) has been designed to assess the potential and viability for managed recharge in the Treasure Valley. The Study will address recharge issues such as the volume and timing of available water, the potential physical locations for recharge, fate of the water recharged, and potential infrastructure cost. Included in the assessment will be cost estimates for developing the infrastructure required for the areas with the greatest potential for managed recharge sites. The final product is to be a technical report documenting all data, analysis, and results from the Study.

The Study is estimated to cost \$200,000 and require between a year to two years to complete. Staff is recommending using the State's RFP process to find a suitable firm (Contractor) to conduct the Study. A summary of the key task involved in the study are provided below.

A. Analysis of Water Availability for Managed Recharge

The Contractor will conduct a water availability analysis that determines the potential sources of water available for Managed Recharge within the study area. Potential source waters will minimally include surface water and reuse of treated wastewater. The analysis will include the volume and availability of water taking into account the timing of availability and the location that the water would be available for managed recharge. This analysis must take into account the physical supply and the legal access of the water. The Contractor will analyze the available data to determine the volume, timing, and location of water that could be used for managed recharge.

B. Managed Recharge Physical Feasibility Analysis

The Contractor will conduct an analysis of the study area to determine the physical feasibility of conducting managed recharge. The intent of the analysis is to distinguish areas within the Treasure Valley that have similar physical characteristics concerning managed recharge. Key elements that are to be included in this characterization are:

- Depth to groundwater
- Infiltration rate
- Hydraulic conductivity
- Aquifer capacity
- Retention time of recharged water in the aquifer.

This portion of the Study will also include an assessment of other potentially limiting factors to managed recharge such as:

- Increased landslide risk due to potential managed recharge
- Urbanization/limited land space
- Positive and negative effects managed recharge could have on water quality issues
- Positive and negative effects managed recharge could have on an area due to changes in groundwater levels.

The Contractor will analyze the available data to assess the physical capacity of the Treasure Valley to conduct managed recharge. The analyses will identify and rank “areas” of managed recharge capacity based on hydrogeological parameters, depth to groundwater, estimated retention time of the recharge water, and potential infiltration rates. The ranking of the areas will also include potentially limiting factors to managed recharge. The analyses will also include identification of potential perched aquifers and the affect they could have on the movement of recharge waters to the aquifer.

C. Infrastructure Requirements to Develop Managed Recharge Areas

The Contractor will conduct an analysis to determine the infrastructure and associated costs that would be required to develop recharge sites in the highest potential areas for conducting managed recharge. This analysis will include alternatives for infrastructure development and associated cost estimates for the alternatives. The following assumptions will be incorporated in the analysis:

- The analysis will incorporate the finds from the previous task,
- The infrastructure estimates will be conducted on a minimum of three (3) areas. The specific areas will be determined in consultation with IWRB staff,
- Current infrastructure will be incorporated into the analysis where applicable

- The Contractor will conduct Class 5 cost estimates for the required infrastructure improvements to conduct managed recharge in the specified areas.

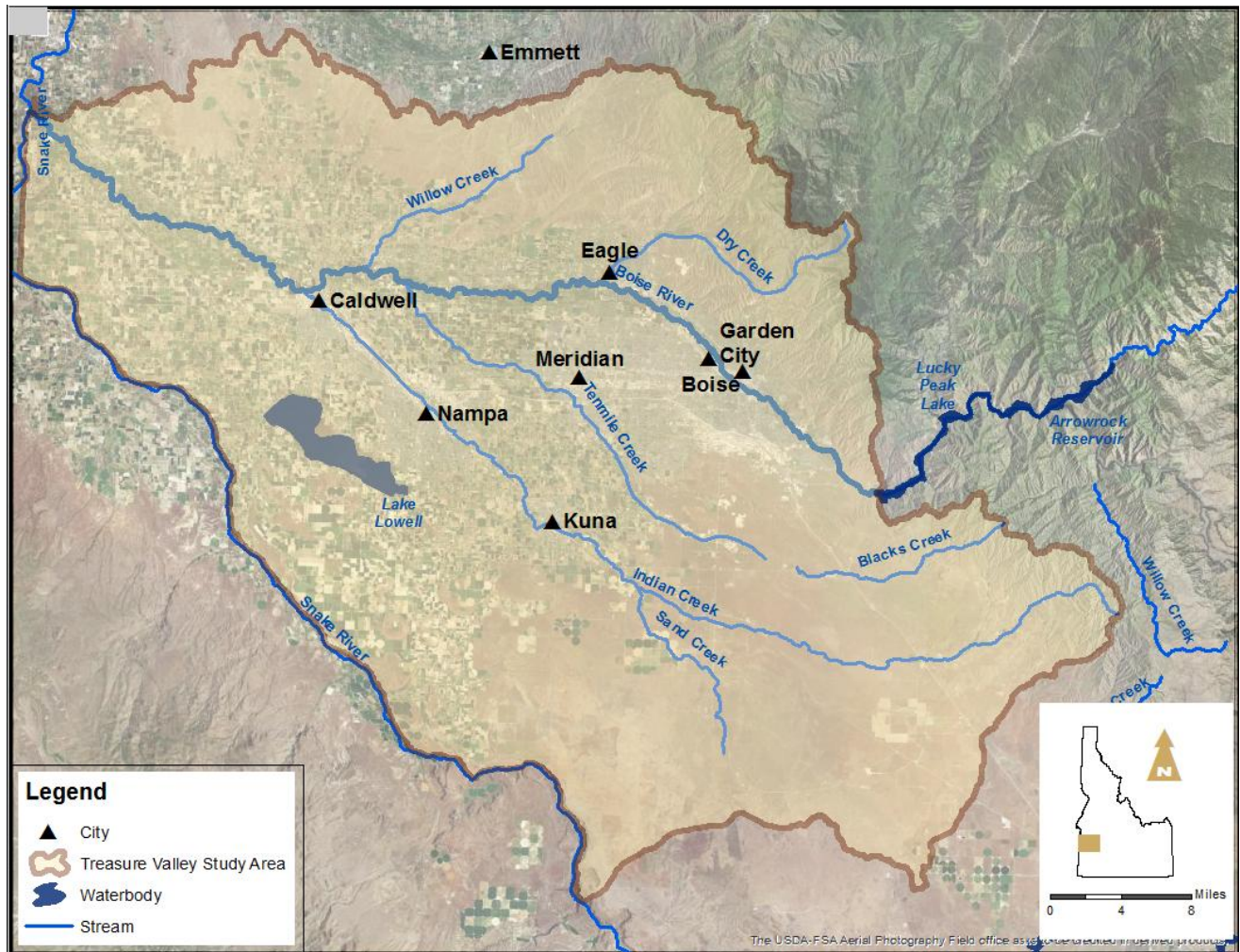


Figure 1. Treasure Valley Study Area

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF WATER
SUSTAINABILITY AND TREASURE
VALLEY RECHARGE

A RESOLUTION TO APPROVE FUNDS FOR
TREASURE VALLEY MANAGED RECHARGE
FEASIBILITY STUDY

WHEREAS, House Bill 547 passed and approved by the 2014 Legislature allocates \$5 million annually through 2019 from the Cigarette Tax to the Idaho Water Resource Board's (IWRB) Secondary Aquifer Planning, Management, and Implementation Fund (Secondary Aquifer Fund) for statewide aquifer stabilization; and

WHEREAS, Senate Bill 1402 passed and approved by the 2016 Legislature allocated \$5 million ongoing to the General Fund and \$2.5 million in Economic Recovery Reserve Funds to the IWRB's Secondary Aquifer Fund for statewide water sustainability and aquifer stabilization; and

WHEREAS, many aquifers across Idaho are declining or have existing or potential conjunctive administration water use conflicts, including the Wood River, the Mountain Home Aquifer, the Treasure Valley Aquifer, the Palouse Basin Aquifer, the Rathdrum Prairie Aquifer and others; and

WHEREAS, Governor Otter directed the Idaho Water Resource Board to develop a water sustainability policy and support water sustainability and aquifer stabilization projects across Idaho to address declining ground water levels, existing or potential conjunctive administration water use conflicts, alternative water supplies and long-term water management needs; and

WHEREAS, the Idaho State Water Plan states that aquifer recharge may be an appropriate means for enhancing ground and surface water supplies, optimizing existing water supplies to meet demand and should be promoted and encouraged; and

WHEREAS, the 2016 Idaho Legislature passed and approved Senate Concurrent Resolution 137 directing the IWRB to address statewide aquifer stabilization and sustainability projects including aquifer recharge studies for the Treasure Valley Aquifer; and

WHEREAS, on May 20, 2016, the IWRB adopted the Secondary Aquifer Fund Fiscal Year 2017 Budget which included \$200,000 for a Treasure Valley Managed Recharge Feasibility Study (Feasibility Study) to assess whether managed recharge has the potential to enhance water supplies or provide other water management benefits in the Treasure Valley; and

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes expenditures not to exceed \$200,000 from the Secondary Aquifer Fund, for a Treasure Valley Managed Recharge Feasibility Study; and

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes its chairman or designee, Brian Patton, to execute the necessary agreements or contracts to complete the Feasibility Study.

DATED this 2nd day of November 2016.

ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST

VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF	)	RESOLUTION TO APPROVE
THE ISLAND PARK	)	FUNDS FOR THE
RESERVOIR ENLARGMENT	)	LAND AND REAL ESTATE
PROJECT	)	ASSESSMENT

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

WHEREAS, the IWRB authorized expenditure of up to \$100,000 from the Revolving Development Account for advisory services in the coordination between the IWRB and Reclamation, and for the completion of the Island Park Reservoir Enlargement Land and Real Estate Assessment (Assessment); and

WHEREAS, a portion of the of the authorized funds (\$55,570) were expended to collect airborne Lidar and orthoimagery of the Island Park Reservoir and project area to provide high resolution elevation data and geometrically corrected aerial photographs for use in the Assessment; and

WHEREAS, the new elevation data and imagery will be used to complete the inventory of impacts to property and infrastructure and the development of estimated associated costs under a range of increased reservoir water surface elevations; and

WHEREAS, the estimated cost for the remaining work to complete the Assessment is approximately \$100,000;

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes the expenditure of up to \$100,000 from the Revolving Development Account to complete the Assessment.

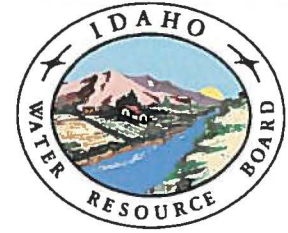
NOW THEREFORE BE IT RESOLVED that the IWRB authorizes its chairman or designee, Brian Patton, to execute the necessary agreements or contracts to complete the Assessment.

Dated this 2nd day of November 2016.

ROGER W. CHASE, Chairman
Idaho Water Resource Board

Attest: _____
Vince Alberdi, Secretary
Idaho Water Resource Board

TO: Idaho Water Resource Board (IWRB)
FROM: Neeley Miller, Planning & Projects Bureau
DATE: October 24, 2016
RE: State Water Plan Sustainability Section



ACTION TO BE CONSIDERED: Adoption of the Proposed Sustainability section

The Water Resource Planning Committee met on October 5, 2016 to review written comments and oral testimony received during the public comment period which commenced on Friday, May 20th through September 30, 2016.

One-hundred twenty comments were received in total. Sixty-two of the comments were received though written comment and fifty-eight comments were received though oral testimony at the public hearings shown below:

Hearing #	Dates	Time	Location	City
1	June 7	6:30 pm	Idaho Water Center; Rm 602 C & D	Boise
2	June 13	6:30 pm	Community Campus, Minnie Moore Rm	Hailey
3	June 28	6:30 pm	CSI Campus, Shields Bldg., Rm 118	Twin Falls
4	July 20	6:30 pm	Edgewater Resort	Sandpoint
5	August 23	6:30 pm	Red Lion	Lewiston
6	August 30	6:30 pm	City Council Chambers, City Annex	Idaho Falls
7	September 14	6:30 pm	City of Chubbuck, City Council Chambers	Chubbuck

The Water Resource Planning Committee has recommended changes to the Proposed Sustainability section in response to the comments and testimony (see attached).

Next Steps

1. Board adopts Proposed Sustainability section by resolution.
2. Board submits Sustainability section, Board resolution, and cover letter from IWRB Chairman to the Governor, Pro Tem, Speaker, Natural Resources Committee chairs, Director of IDWR, and anyone else we think might want notice including committee members. It will also need to be

“distributed generally.” The IWRB website would be a good place to do this (anywhere else?). This should be done no later than the first day of the legislative session. We should try to submit as early as we can after Board adoption. We will need to get a receipt from the Pro Tem and Speaker showing the date it was submitted to their offices.

3. Legislature has to act “by law” to “amend or reject” within 60 days. That means they have to pass a statute through both houses and secure a signature from the Governor. They can only deal with the changes submitted and cannot open the whole SWP.

Attached:

- 1) WRP recommended changes to the Proposed Sustainability section
- 2) A resolution for the Board to consider for the adoption of the Proposed Sustainability section
- 3) A draft letter from the IWRB Chairman submitting Sustainability Section to the Legislature

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF)
CHANGE TO THE)
IDAHO STATE WATER PLAN)
_____)

A RESOLUTION

WHEREAS, the Idaho Water Resource Board (Board), pursuant to its planning authorities in Article XV, Section 7 of the Idaho Constitution, and Idaho Code 42-1734, 1734A, and 1734B developed a proposed Sustainability section for the Idaho State Water Plan (Plan) adopted on November 28, 2012; and

WHEREAS, as required under Idaho Code 42-1734A, the Board has sought substantial public participation and comment on the proposed change to the Plan by providing a public comment period greater than 60 days, including opportunity for submission of written comments and for oral testimony at seven public hearings throughout the State; and

WHEREAS, the Board has reviewed the record of public comments consisting of oral testimony and written comments and has modified its proposed change to the Plan accordingly.

NOW, THEREFORE, BE IT RESOLVED that, having considered the proposed draft change to the Plan and the record of public comments , the Board hereby adopts the attached final version of the change to the Plan. The Board directs that the adopted change be submitted to the Idaho Legislature as required by Idaho Constitution Article XV, Section 7 and Idaho Code 42-1734B(6), and that copies also be provided to the Office of the Governor and Director of the Idaho Department of Water Resources and be published and distributed generally as required by Idaho Code 42-1734B(5).

DATED this 2nd day of November, 2016

Roger Chase, Chairman
Idaho Water Resource Board

ATTEST _____
Vince Alberdi, Secretary

8. SUSTAINABILITY

Sustainability focuses on the overall stewardship of the State's water resources for the good of the people of the State of Idaho.

8A - SUSTAINABILITY OF IDAHO'S WATER RESOURCES

Sustainability is the active stewardship of Idaho's water resources to satisfy current uses and assure future uses of this renewable resource in accordance with State law and policy.

Discussion:

This Sustainability Policy depends upon the State's sovereignty over its 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. Stewardship of Idaho's water resources begins with the realization that the water resources of the State are not inexhaustible and therefore it is necessary to manage, administer, and take action to sustain, ~~maintain, and~~ enhance ~~the resource and~~ protect the quality of the water resources. Stewardship, by necessity, also includes taking affirmative steps to address declining trends in the resource where those trends exist and to establish policies that will prevent future unsustainable declines. The goal must be overall stewardship of the State's water resources for the good of the people of the State of Idaho.

The State of Idaho encompasses some of the most diverse and awe inspiring physical and geological features in the country. From the depths of Hells Canyon to the peak of Mount Borah, from sage brush deserts, to the extensive agricultural farm and ranch land, to alpine forests and meadows, to the cities and towns, the ecosystems of each of these varied areas all rely on the water resources of the State. The people of the State interact with and depend upon the water resources in these different landscapes in many different ways. Therefore, the water sustainability policy of the state of Idaho must embrace the diversity of the State, while recognizing the potential for a use or activity in one place to affect the water resources in another part of the State.

Sustainable water management strategies to meet current and future needs must be based on adequate knowledge regarding available supplies, existing use, trends, competing economic and social demands, and future needs. Planning and management actions to promote water sustainability must be designed and implemented to ensure that existing water rights are protected and the economic vitality of Idaho is optimized.

The goal of sustainable use of water resources of the State must recognize that the goals of sustainable economic growth and protection of existing ~~rights~~rights must coexist and are enhanced by measures that protect and maintain surface and ground water resources and the

aquatic, riparian, fish and wildlife, recreational, and human resources that depend on these water resources. Recognizing these needs will promote economic and environmental security and enhance the quality of life for the people of the State of Idaho.

Implementation Strategies:

- Ensure that all actions taken toward a sustainable water future protect and respect private property rights, both in the land and water rights
- Inventory Idaho's water supply, current uses, and future water supply needs
- Evaluate long-term and short-term trends in water availability for present and future uses
- Identify areas where present water supplies are either inadequate for present uses or not sustainable, and develop management plans to address supply in an appropriate timeframe respecting private property rights
- Identify management alternatives and projects that optimize existing and future water supplies without compromising water quality
- Prioritize and implement management alternatives and projects where competing demands and future needs are most critical
- Enhance water transfer mechanisms in Idaho law, policy and regulations to allow future economic opportunities to utilize existing water supplies, while protecting existing uses
- Utilize the Idaho Water Resource Board's Funding Program and prioritize allocation of funds for projects that ensure water sustainability across the state
- Utilize the state protected river system and the Idaho Water Resource Board minimum stream flow water rights to sustain water supplies for fisheries and recreational opportunities.
- Educate the public about water uses and the needs for water conservation measures
- Identify water conservation measures that water users, municipalities, governmental agencies and other entities can undertake to help protect the water resources of the State and provide guidance to those entities on best practices to implement those conservation measures
- Recognize that conservation measures may reduce water supplies utilized by others in other parts of the resource
- Identify measures and provide funding for aquifer stabilization strategies, including managed recharge, throughout the state with due regard to the priorities of basin specific Comprehensive Aquifer Management Plans
- Pursue enhancement of surface water storage supply as a mechanism for meeting Idaho's future water needs
- Recognize weather modification may help to achieve water sustainability goals
- Cooperate with flood control entities to ensure flood control actions are consistent with water sustainability.

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WRP Recommended Changes to Proposed Sustainability Section 10-5-16

- Use a grassroots approach to identify problems and developing optimal solutions. The needs of individual basins must be taken into consideration in how the resource should be managed while recognizing the potential for decisions in one basin to affect the resources of another basin. An integrated and collaborative approach to water resource management is critical for the sound and efficient use of Idaho's water resources. The State of Idaho when appropriate should work together with, water users, tribes, local communities, neighboring states, and the federal government to resolve water issues
- Protection of the quality of existing water supplies, particularly those ground water resources that are used for drinking water supplies, to ensure the vitality of local communities. This goal requires other state and local agencies to exercise their appropriate authorities to protect the water resources and to assist in meeting the goal of sustainable economic growth

Milestones:

- ~~Respect for~~ Protect and respect private property rights in accordance with State law and policy
- Identify number of basins where water supply and demand have been inventoried
- Identify number of basins where management alternatives have been identified and implemented to optimize existing and future water supplies, including surface water storage, ground water recharge, conservation measures and weather modification
- Obtain more accurate water supply, water measurement, and forecasting information
- Disseminate water supply forecasts and trends to water users in cooperation with other federal and state agencies
- Measure utilization of water bank and transfer procedures to allow sustainable use of the resource
- Determination and implementation of measures and policies to enhance the utility of the water bank and transfer procedures
- Financial programs and funding strategies that meet the future water resource needs of the State of Idaho. Secure funding and resources in cooperation with the Governor and legislature. Reliable on-going, long-term funding will be needed to enable and support active stewardship of Idaho's water resources.
- Basin aquifer stabilization - stabilization of ground water levels in basins where declines are occurring to restore and maintain sustainable aquifer levels
- Initiate and facilitate construction of additional surface water storage to meet current and future needs
- Use of adaptive management to identify and address uncertainties for success, including those related to data, modeling, and impacts of climate variability
- Balance water supply and demand – supply and demand must be in balance to support current and future use within a particular basin

WRP Recommended Changes to Proposed Sustainability Section 10-5-16

- Consider impact of water use changes and water supply trends on future water availability
- Improve data management – accurate and abundant data is necessary to assist with ensuring stewardship of Idaho’s water resources to satisfy current and future uses
- Coordination with State and local entities on measures to protect and enhance ground water and surface water resources so that these resources are available for use by the people of the State of Idaho

8. SUSTAINABILITY

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The State of Idaho encompasses some of the most diverse and awe-~~inspiring~~ physical and geological features in the country. ~~From the depths of Hells Canyon to the peak of Mount Borah, from sage-brush deserts, to the extensive agricultural farm and ranch land, to-from alpine forests and meadows, to the cities and towns, -the ecosystems of each of these varied areas all rely on the water resources of the sState. -The people of the sState interact with and depend upon the water resources in these different landscapes in many different ways. -Therefore, the water sustainability policy of the Sstate of Idaho must embrace the diversity of the sState, while recognizing the potential for a use or activity in one place to affect the water resources in another part of the sState.~~

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The goal of sustainable use of water resources of the sState must recognize that the goals of sustainable economic growth and protection of existing rights must coexist with and are

enhanced by measures that protect and maintain surface and ground water resources and the aquatic, riparian, fish and wildlife, recreational, and human resources that depend on these water resources. Recognizing these needs will promote economic and environmental security and enhance the quality of life for the people of the State of Idaho.

Implementation Strategies:

- Ensure that all actions taken toward a sustainable water future protect and respect private property rights, both in the land and water rights.
- Inventory Idaho's water supply, current uses, and future water supply needs.
- Evaluate long-term and short-term trends in water availability for present and future uses.
- Identify areas where present water supplies are either inadequate for present uses or not sustainable, and develop management plans to address supply in an appropriate time frame, while respecting private property rights.
- Identify management alternatives and projects that optimize existing and future water supplies without compromising water quality.
- Prioritize and implement management alternatives and projects where competing demands and future needs are most critical.
- Enhance water transfer mechanisms in Idaho law, policy, and regulations to allow future economic opportunities to utilize existing water supplies, while protecting existing uses.
- Utilize the Idaho Water Resource Board's Funding Program and prioritize allocation of funds for projects that ensure water sustainability across the state.
- Utilize the state protected river system and the Idaho Water Resource Board minimum stream flow water rights to sustain water supplies for fisheries and recreational opportunities.
- Educate the public about water uses and the needs for water conservation measures.
- Identify water conservation measures that water users, municipalities, governmental agencies, and other entities can undertake to help protect the water resources of the State and provide guidance to those entities on best practices to implement those conservation measures.
- Recognize that conservation measures may reduce water supplies utilized by others in other parts of the resource.
- Identify measures and provide funding for aquifer stabilization strategies, including managed recharge, throughout the state with due regard to the priorities of basin-specific Comprehensive Aquifer Management Plans.
- Pursue enhancement of surface water storage supply as a mechanism for meeting Idaho's future water needs.
- Recognize weather modification may help to achieve water sustainability goals.
- Cooperate with flood control entities to ensure flood control actions are consistent with water sustainability.

- Use a grassroots approach to identify problems and developing optimal solutions. The needs of individual basins must be taken into consideration in how the resource should be managed, while recognizing the potential for decisions in one basin to affect the resources of another basin. -An integrated and collaborative approach to water resource management is critical for the sound and efficient use of Idaho's water resources. The State of Idaho, when appropriate, should work together with water users, tribes, local communities, neighboring states, and the federal government to resolve water issues.
- Protection of the quality of existing water supplies, particularly those ground water resources that are used for drinking water supplies, to ensure the vitality of local communities. -This goal requires other state and local agencies to exercise their appropriate authorities to protect the water resources and to assist in meeting the goal of sustainable economic growth.

Milestones:

- Protect and respect private property rights in accordance with state law and policy.
- Identify number of basins where water supply and demand have been inventoried.
- Identify number of basins where management alternatives have been identified and implemented to optimize existing and future water supplies, including surface water storage, ground water recharge, conservation measures, and weather modification.
- Obtain more accurate water supply, water measurement, and forecasting information.
- Disseminate water supply forecasts and trends to water users in cooperation with other federal and state agencies.
- Measure utilization of the Water Supply Bank and transfer procedures to allow sustainable use of the resource.
- Determination and implementation of measures and policies to enhance the utility of the Water Supply Bank and transfer procedures.
- Financial programs and funding strategies that meet the future water resource needs of the State of Idaho. Secure funding and resources in cooperation with the Governor and legislature. Reliable on-going, long-term funding will be needed to enable and support active stewardship of Idaho's water resources.
- Basin aquifer stabilization——stabilization of ground water levels in basins where declines are occurring to restore and maintain sustainable aquifer levels.
- Initiate and facilitate construction of additional surface water storage to meet current and future needs.
- Use of adaptive management to identify and address uncertainties for success, including those related to data, modeling, and impacts of climate variability.
- Balance water supply and demand——supply and demand must be in balance to support current and future use within a particular basin.
- Consider impact of water use changes and water supply trends on future water availability.

- Improve data management——accurate and abundant data is necessary to assist with ensuring stewardship of Idaho's water resources to satisfy current and future uses.
- Coordination with §State and local entities on measures to protect and enhance ground water and surface water resources so that these resources are available for use by the people of the State of Idaho.

Memorandum



To: Idaho Water Resource Board
From: Remington Buyer
Date: November 2, 2016
Re: Water Supply Bank ground water management policy for the Wood River Valley

Action Items: The Board may approve by resolution a renewal of the Wood River Valley interim ground water management policy for the Water Supply Bank and commit to crafting a new, long-term ground water management policy during calendar year 2017.

In recent years, the Water Supply Bank has been authorized by the Idaho Water Resource Board (Board) to regulate the movement of ground water right rental requests in the Wood River Valley pursuant to an interim ground water management policy. The policy seeks to balance the need to avoid injury via rentals, while simultaneously expediting rental request processing where possible, through restricting the movement of rentable ground water rights to within six zones. Modeling of ground water rental requests is only required if an application proposes to rent ground water across zone boundaries.

The interim management policy was implemented as a temporary measure, with the intent that the policy would only be in effect until such time as the Department of Water Resources (IDWR) issued a formal ground water management policy for the valley. When the interim policy was first implemented, IDWR was concluding collaborative work with the US Geological Survey (USGS) to develop a ground water model for the Wood River Valley. The Board authorized the interim ground water rental policy with the knowledge that the ground water model might be used at a future date to regulate the movement of ground water rights.

Development of the USGS-IDWR ground water model is now complete and the model is available for public use. However, no formal ground water management policy has yet been issued for the Wood River Valley, based on the Wood River Valley ground water model. Because the interim ground water management policy was intended to be a stop-gap measure, to be in place only until such time as the ground water model was available for use, and because the model is now available for public use, the time has come for the Board to contemplate sunseting the interim policy so that it can be replaced with a more lasting ground water management policy for the Water Supply Bank based on the best available scientific information, which may be generated by the Wood River Valley ground water model.

The Board and its representatives are thus called upon to work IDWR staff, as well as regional Wood River Valley water users and their representatives, to evaluate the results of water rental scenarios run through the new ground water model. The use of the model and its results should be used to develop a logical, lasting, regional ground water management policy for the Water Supply Bank. Public engagement with local water users should be part of the policy making process. A series of Water Supply Bank Subcommittee meetings are recommended to be held during spring and summer 2017, to allow for public engagement and input in the modeling evaluation and policy making process.

However, until such time as the formal policy is established, the interim ground water rental policy should remain in effect, to allow for continuity of ground water rentals in the Wood River Valley during calendar year 2017. As such, the Board is called upon to approve a resolution that both authorizes a renewal of the interim ground water rental policy concurrent with a commitment to hold Water Supply Bank Subcommittee meetings during 2017, so that a long-term, ground water rental policy will be crafted for the Water Supply Bank in the Wood River Valley, prior to the end of calendar year 2017.

A draft version of the resolution is provided for consideration by the Board, along with a copy of interim ground water management policy, which is currently in effect until December 31, 2016.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF RENEWING)	
AN INTERIM GROUND WATER)	
RENTAL POLICY AND	)	A RESOLUTION PERTAINING
ESTABLISHING A LONG-TERM	)	TO ADMINISTRATIVE POLICY
GROUND WATER RENTAL POLICY	)	OF THE WATER SUPPLY BANK
FOR THE WATER SUPPLY BANK IN)	
THE WOOD RIVER VALLEY)	

WHEREAS, section 42-1761, Idaho Code provides that the Idaho Water Resource Board shall have the duty of operating a Water Supply Bank; and

WHEREAS, section 42-1762, Idaho Code provides that the Idaho Water Resource Board shall adopt rules and regulations governing the management, control, delivery and use and distribution of water to and from the Water Supply Bank; and

WHEREAS, the Idaho Water Resource Board authorized the Water Supply Bank to implement a temporary ground water right rental policy in the Wood River Valley, to facilitate efficient administration of ground water rentals while the Department of Water Resources concluded work on a ground water model for the Wood River Valley; and

WHEREAS, development of the ground water model is now concluded but no formal policy has yet been issued regarding the use of the model and administration of rental requests for ground water rights in the Wood River Valley; and

WHEREAS, the Idaho Water Resources Board may now use the ground water model to identify impacts to water rights caused by the rental of Wood River Valley ground water rights from the Water Supply Bank; and

WHEREAS, the Idaho Water Resource Board may evaluate and utilize the results of modeled ground water rental scenarios to develop a long-term, ground water right rental policy for the Water Supply Bank in the Wood River Valley; and

WHEREAS, a series of Water Supply Bank Subcommittee meetings is the recommended forum in which modeled rental scenarios should be discussed as policy is crafted; and

WHEREAS, Wood River Valley water users should have the opportunity to engage the Board and its representatives in the policy making process, by attending and providing public comments at Water Supply Bank Committee meetings; and

WHEREAS, Wood River Valley water users would also benefit from the continuance of the interim rental policy for an additional year, while a new, long-term policy is crafted and enacted by the Idaho Water Resource Board;

NOW THEREFORE BE IT RESOLVED, that the Idaho Water Resource Board commits to holding a series Water Supply Bank Subcommittee meetings during calendar year 2017, in which Committee members, IDWR staff and interested members of the public will evaluate the modeled impacts of Wood River Valley ground water rental scenarios, and from which a long-term ground water rental policy will be established for the Water Supply Bank in the Wood River Valley; and

NOW THEREFORE BE IT FURTHER RESOLVED, that the Idaho Water Resource Board authorizes a renewal of the interim ground water rental policy, to be in effect until such time as the Idaho Water Resource Board formally authorizes and establishes a new, long-term policy to guide administration of Water Supply Bank ground water right rental requests within the Wood River Valley.

Dated this _____ day of November, 2016.

ROGER W. CHASE
Idaho Water Resource Board Chairman

Attest: _____
VINCE ALBERDI
Secretary



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

10/16/2015

RE: Water Supply Bank Interim Ground Water Rental Policy for the Wood River Valley

The surface and ground waters of the Big Wood River drainage are interconnected and diversions of ground water from wells can deplete the surface water flow in streams and rivers. Wood River Valley water users can be injured if Water Supply Bank rentals authorize ground water pumping that in turn causes extended depletions of the Big Wood River. To protect prior appropriators in the Wood River Valley while simultaneously ensuring efficient operation of the Water Supply Bank, the Idaho Water Resource Board (IWRB) has approved a temporary ground water rental policy for the Water Supply Bank (Bank) in the Wood River Valley.

The interim ground water rental policy establishes a safe distance within which all ground water rental requests can be considered and it creates six ground water transaction zones to guide how the Water Supply Bank can process all other rental requests. The IWRB originally authorized the interim ground water rental policy for the Wood River Valley on January 23, 2015 and the policy was reauthorized by the IWRB September 18th, 2015. The interim policy is in effect until December 31, 2016.

The Water Supply Bank considers that where a point of diversion for a ground water rental request is equal to or less than 657 feet (200 meters) from a point of diversion for a water right leased to the Water Supply Bank, diversions of ground water from both the lease and the rental points of diversion will be similar. Therefore, subject to standard rental review procedures, all requests can be accepted where a rental of water is less than 657 feet from the original (leased) point of diversion.

Additionally, the Water Supply Bank accepts that impacts to surface and ground water resources caused by ground water pumping can be significantly limited and constrained if ground water pumping is restricted to specific areas or transaction zones. Under this interim ground water rental policy, when a point of diversion for a leased right and the point of diversion for a rental request are both found within the same transaction zone, the Bank will not necessarily require any additional information to accept and review the rental request. Subject to standard rental review procedures, the Bank may approve rental requests where the lease and rental points of diversion occur within the same transaction zone.

When the distance between the points of diversion for a leased right and a rental request is more than 657 feet however, and when such a request seeks to rent ground water from a well that is located in a different zone than that in which a leased water right is located, the Bank requires that a stream depletion analysis or a ground water impact analysis be submitted with the rental request. If the results of a stream depletion or ground water impact analysis reveal that a rental will cause surface water depletions within a zone that are larger than accretions to surface water within the zone (occurring through the lease into the Bank of the water right being rented) than mitigation is required to offset the impacts of the rental. Additionally, if a request is made to rent a water right across a transaction zone up gradient of the original location of the leased right, or into the River Zone, to within one hundred feet of the Big Wood River (or a major tributary), such rentals need to demonstrate that the timing, magnitude and location of impacts to surface water does not result in injury to the IWRB's minimum streamflow water rights, else the rental may be subject to curtailment once the minimum stream flow of the Big Wood River is not being satisfied.

Wood River Valley Transaction Zones

This interim ground water rental policy delineates the Wood River aquifer into the following zones:

- | | |
|--|---|
| 1) The Ketchum Zone, | 4 A) River Zone, northern reach (within the Ketchum Zone), |
| 2) The Hailey Zone, | 4 B) River Zone, central reach (within the Hailey Zone), |
| 3) The Bellevue Zone, | 4 C) River Zone, southern reach (within the Bellevue Zone), |
| 5) The Eastern Bellevue Triangle Zone, and | 6) The Western Bellevue Triangle Zone. |

The Ketchum Zone covers all ground water rights located north of the point of diversion for the Hiawatha Canal (effectively the intersection of Highway 75 and Ohio Gulch Road) and outside the 200 foot wide Northern River Zone. The Ketchum Zone includes all northern tributary valleys for the Big Wood River including Eagle Creek, East Fork, Greenhorn Creek, Lake Creek, Trail Creek and Warm Springs Creek. Stream depletion analyses may not be necessary for ground water rental requests that both originate (are leased) from and are satisfied within this zone, though all rental requests remain subject to standard rental review procedures to guard against injury and enlargement of water use.

The Hailey Zone covers all ground water points of diversion south of the Ketchum Zone, outside the Central River Zone and north of the point of diversion for the Irrigation District #45 Bellevue Canal. The Hailey Zone extends to all central tributaries of the Big Wood River including Croy Creek, Deer Creek, Indian Creek and Quigley Creek. Stream depletion analyses may not be necessary for ground water rental requests that both originate from and are satisfied within this zone, though rental requests remain subject to standard rental review procedures to guard against injury and enlargement of water use.

The Bellevue Zone extends from the southern end of the Hailey Zone to the point of diversion for the Bypass Canal (effectively Glendale Road) and includes all ground water points of diversion tributary to Seaman's Creek/Muldoon Canyon, but not ground water rights within the Southern River Zone. Stream depletion analyses may not be required for ground water rental requests that both originate from and are satisfied within this zone though rental requests remain subject to standard rental review procedures to guard against injury and enlargement of water use.

The River Zone is a two hundred foot wide buffering of the Big Wood River, from the northern end of the Ketchum Zone, to the Bypass Canal at the southern end of the Bellevue Zone. The River Zone includes major surface water tributaries of the Big Wood River, including Croy Creek, Deer Creek, East Fork, Trail Creek and Warm Springs Creek. The zone is segmented into a northern reach, a central reach and a southern reach, corresponding to the extent of the boundaries of the Ketchum, Hailey and Bellevue Zones. Due to the direct and immediate connection between surface and ground water within this two hundred foot wide River Zone, no stream depletion analysis is required for rentals within the zone because all ground water pumping within the zone is expected to have a direct and immediate impact on surface water resources. All ground water rentals within any of the three reaches of the zone should be satisfied by ground water rights that are leased into the Bank from within the same reach of the River Zone. Ground water users may also request to rent surface water rights.

The final two zones cover the western and eastern halves of the confined and unconfined aquifers of the Bellevue triangle. Ground water in the western half of the triangle is hydraulically connected to surface water flowing west into the Big Wood River while eastern ground water flows east into Silver Creek and the Little Wood River. The two zones correspond roughly to all lands east and west of Kingsbury Lane. No stream depletion analyses or ground water impact analyses are required for ground water to ground water rental requests that both originate from and are satisfied within a zone, though rental requests remain subject to standard rental review procedures to guard against injury and enlargement of water use. A Theis ground water analysis is required for all cross-zone rentals in the Bellevue Triangle.

For reference, a map of the rental transaction zones is provided in Figure 1, and detailed cross sections of the zone transitions is provided in Figures 2-4.

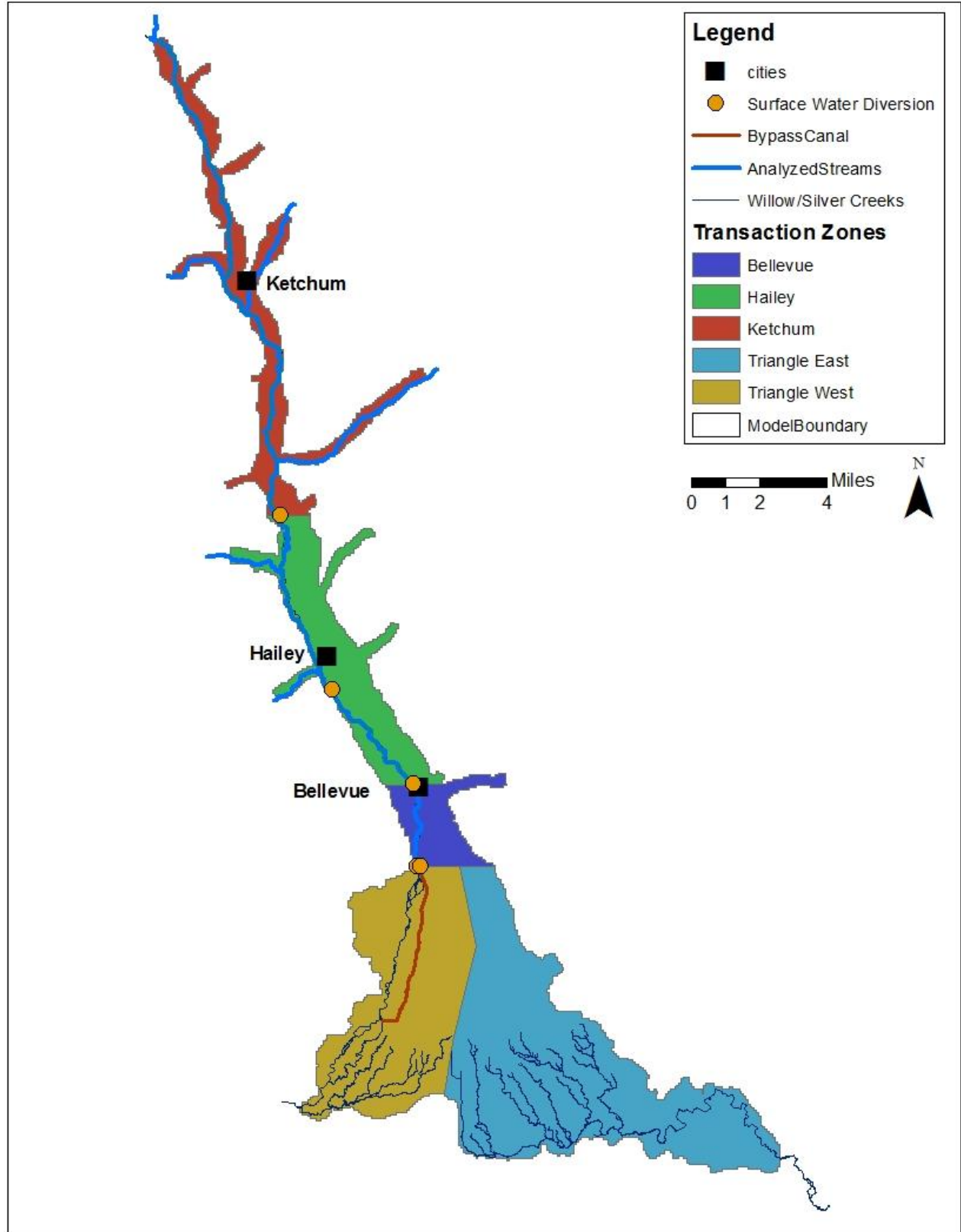


Figure 1. Map of the Water Supply Bank Transaction Zones within the Wood River Valley

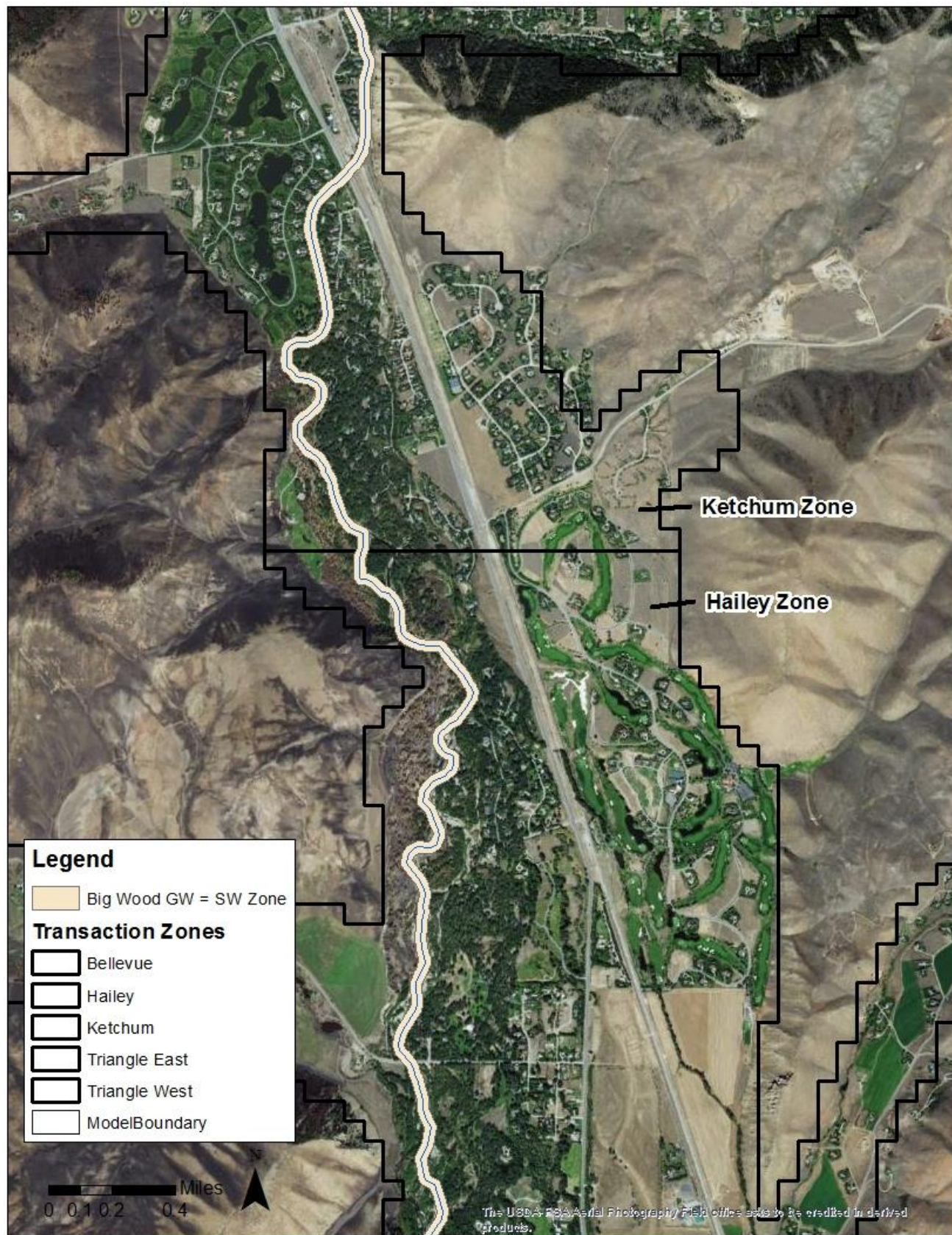


Figure 2. Transition between the Ketchum and Hailey Zones

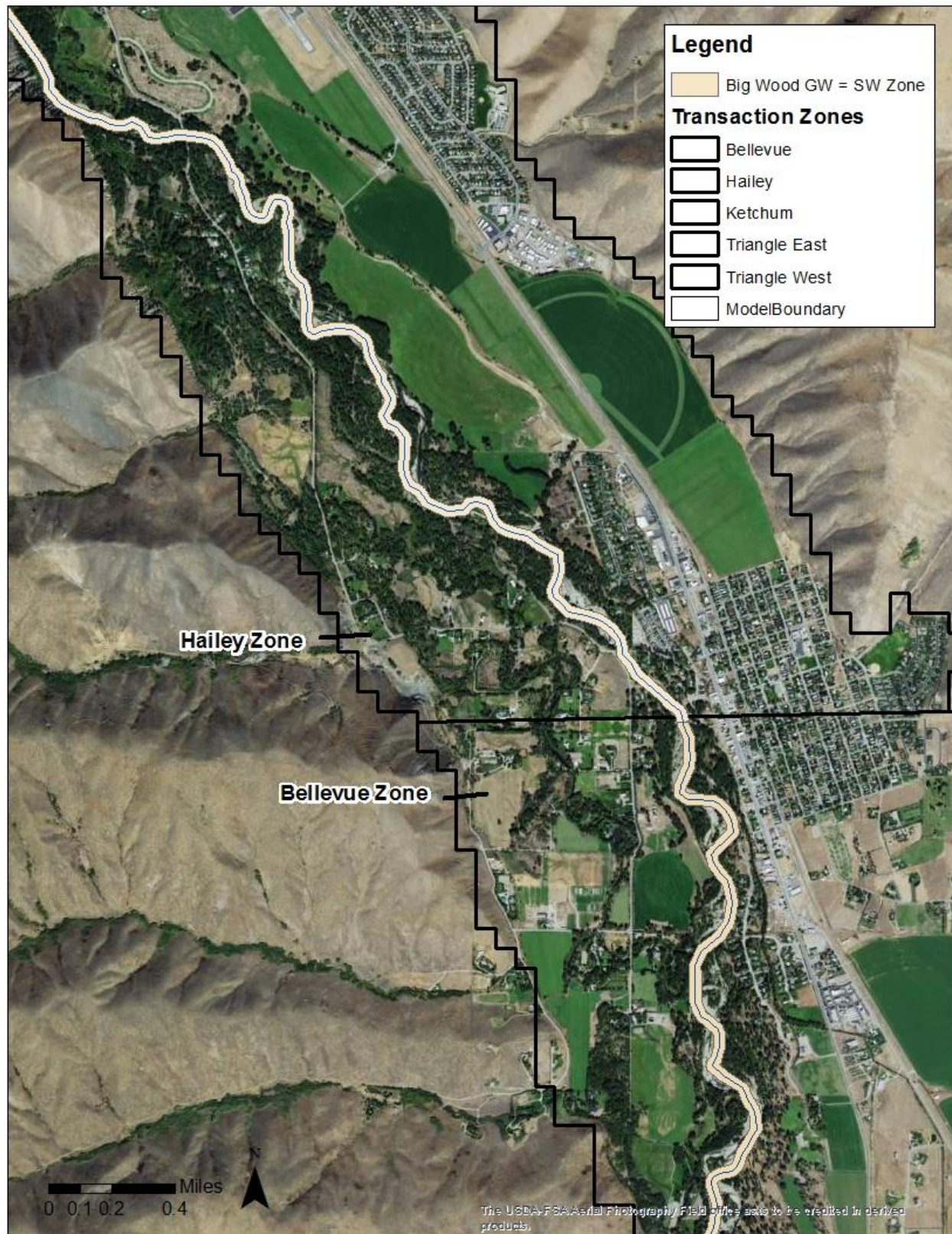


Figure 3. Transition between the Hailey and Bellevue Zones

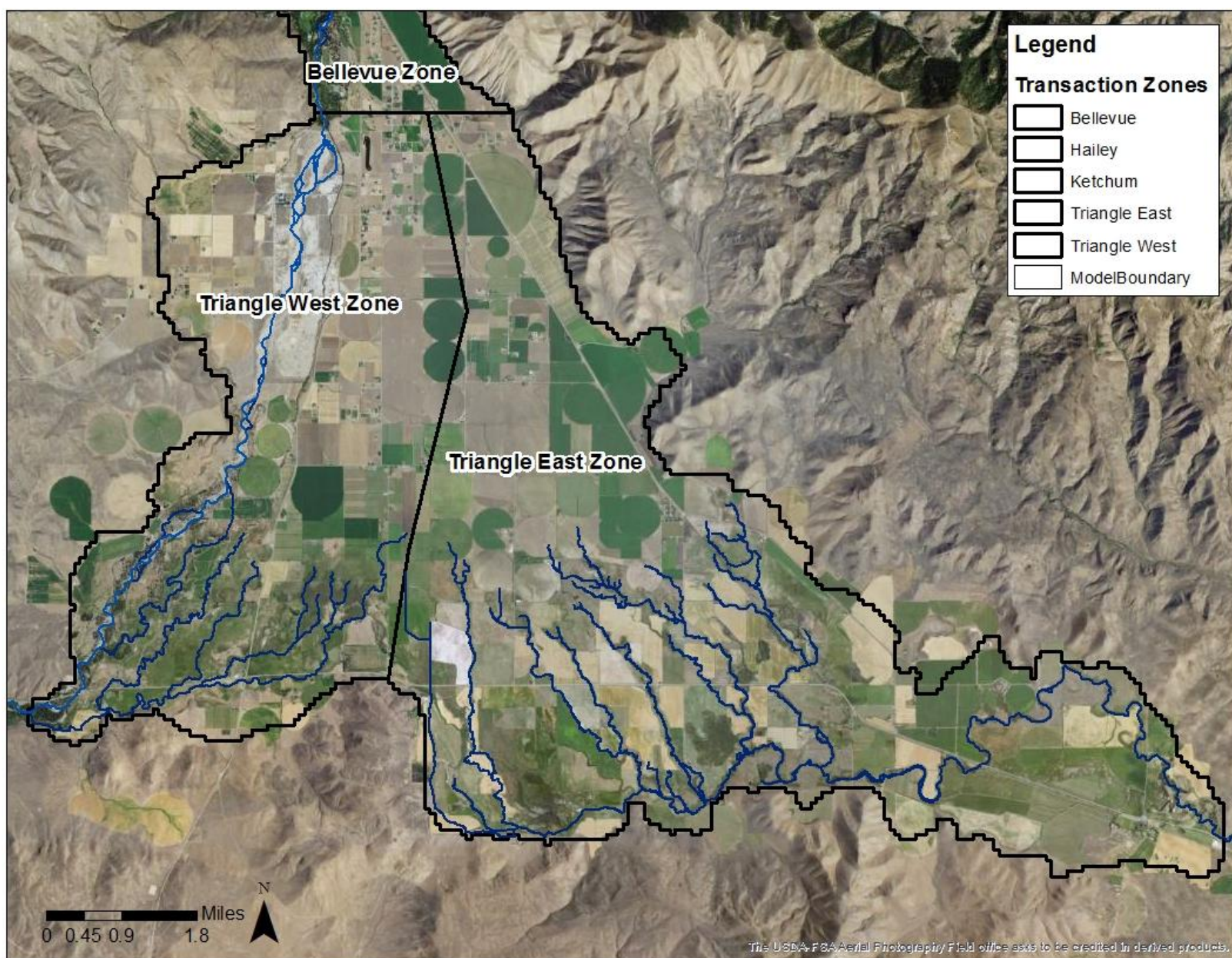


Figure 4. Transition between the Bellevue and Triangle Zones

Supplemental Impact Analyses for Cross-Zone Rental Transactions

Rental requests that both originate from and are satisfied within a transaction zone are not required to submit additional information with their rental application, however where a rental request is located further than 657 feet from a point of diversion of the leased water right sought for rent, such proposals may be required to conduct a stream depletion analysis and/or ground water impact analysis supplemental to the standard rental application. IDWR may request stream depletion analyses for intra-zone rentals if a review of water modeling data is necessary to ensure no injury occurs through a rental.

Stream depletion analyses are required for all cross-boundary rental requests within the River, Ketchum, Hailey or Bellevue Zones whereas a Theis ground water impact analysis should be submitted for cross-boundary ground water rental requests in the Bellevue Triangle. Where stream depletion or Theis ground water impact analyses indicate that a ground water rental will deplete surface and/or ground water in excess of any water accreted to the zone through a Water Supply Bank lease, mitigation may be required to ensure no injury is permitted against other water users. The Water Supply Bank will consider all stream depletion and Theis ground water impact analyses to advise rental applicants on whether mitigation is necessary. Applicants may also consult the decision matrix at the end of this information package to determine whether mitigation of their rental is likely to be required.

The type of stream depletion analysis submitted for a cross-zone rental request is to the discretion of the applicant however the Water Supply Bank can expedite processing of stream depletion analyses conducted using the Alluvial Water Accounting System (AWAS), which is free software available from Colorado State University at: <http://www.ids.colostate.edu/projects.php?project=awas/awas.html>.

The following may assist rental applicants utilizing AWAS to complete a cross-zone stream depletion analysis:

Start by selecting **new IDS (modified)** under the file menu to begin your modeling. Use **Year Type: Calendar** and **Time Scale: Days** or **Months** with the starting year and the ending year corresponding to the starting year of the rental request and ending year being the year following the final year of the rental request. In the initial screen (**Input**) click **New Well** twice, once to model the ground water point(s) of diversion for the leased water right being rented, and once to model the point(s) of diversion being utilized for the rental request. If multiple ground water rights are being rented to satisfy a single rental, multiple wells should be modeled.

The **Well Name** can be set as the water right being rented (for the leased right) and the renter's name for the rental point of diversion. **Type** should be set to **Recharge** for the leased right and **Irrigation** for the rental site. The aquifer **Boundary Condition** should be set to **Alluvial Aquifer** for both wells. The **W (Feet)** field should be populated with the linear distance (measured in feet) from the model boundary to the Big Wood River (or major tributary being modeled) at the location of the lease or the rental, while the **X (Feet)** field should be populated with the linear distance between the lease/rental points of diversion and the Big Wood River (or major tributary). The **Transmissivity (GPD/FT)** value may be ascertained by referencing the map in Figure 5, selecting a value between the minimum and maximum values of the corresponding color ramp, and multiplying the value by 7.48 to convert from feet/day to gallons/day. For applicants that have access to geographic information systems, GIS raster and spatial data can be downloaded from IDWR's website. **Specific Yield** should be set as 0.20 while **Show in Output** should be checked and **Use Partial Stream** should not be checked.

For the leased water right being rented, the radio button selection should be left as **Recharge** and the daily (or monthly) acre foot amounts can be populated by calculating the total acre foot volume of water available to be rented, divided by the total number of season of use days (or months) authorized by the water right. Similarly, the rental radio button should be left as **Consumptive Use** and daily or monthly acre-foot volumes should be populated based on the total intended rental volume, divided by the days or months of the intended season of use. **Run Start:** should be left as **Jan year one** to **year two** and the box should be checked for **Ignore pumping/recharge after: Dec year one**.

Examples of model inputs are provided in Figures 6 and 7.

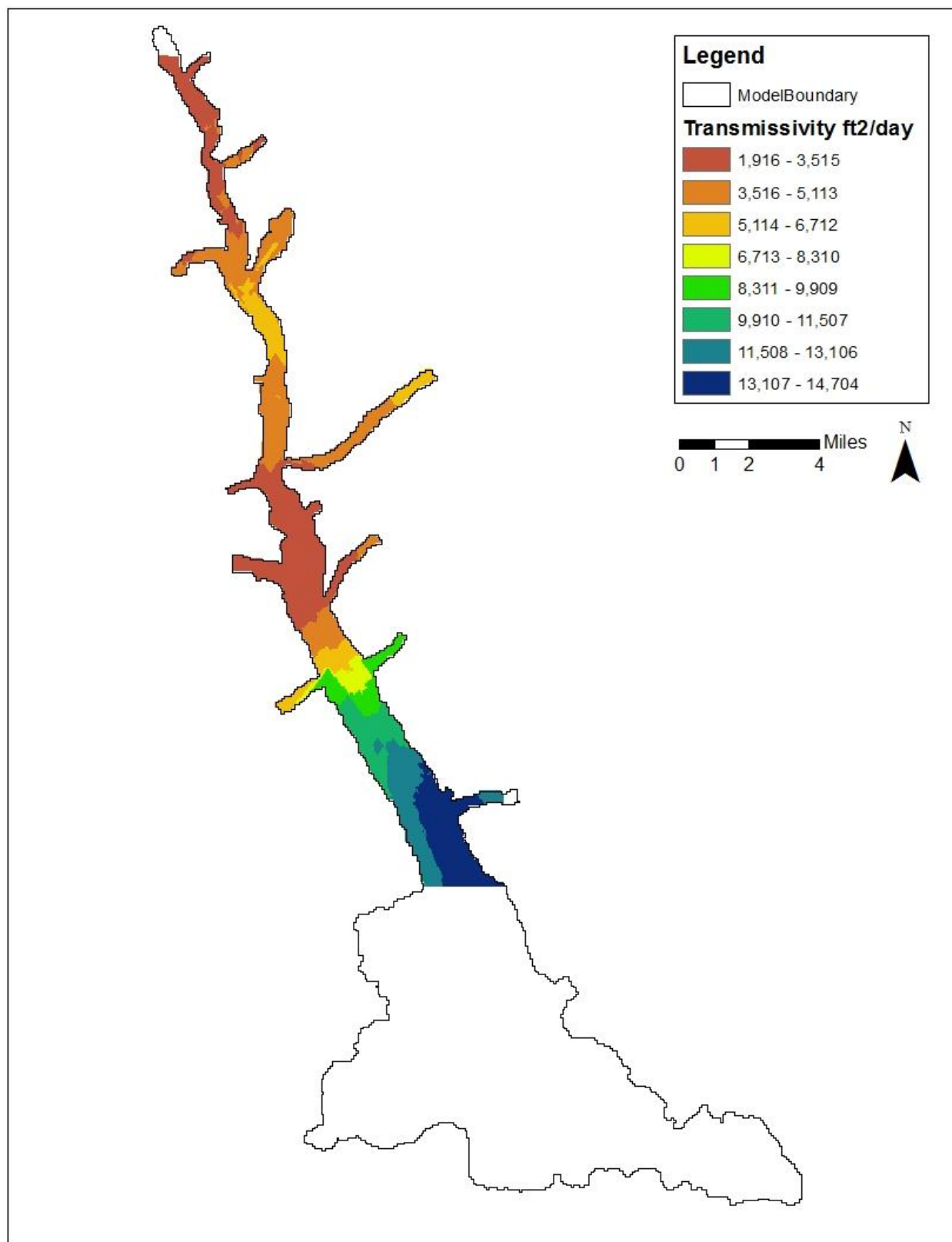


Figure 5. Transmissivity ratings for the Wood River Valley
This map models the speed of ground water movement through the Wood River Valley aquifer.

AWAS -- Alluvial Water Accounting System - [C:\Users\rbuyer\Documents\AWAS\Daily Run.dsi]

File Functions View Window Help

Input Output

Start Year: 2014
End Year: 2015

Set Properties Set Custom Output

Well Name	Description	Type	Boundary Condition	W (Feet)	B (Feet)	Transmissivity (GPD/FT)	Specific Yield	X (Feet)	SDF	Show in Output	Use Partial Stream	Left limit of stream segment	Right limit of stream segment
lease		Recharge	Alluvial Aquifer	700	0	10000	0.2	400	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	0
rental		Irrigation	Alluvial Aquifer	1000	0	60000	0.2	200	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	0

New Well
Delete Wells
Set URFs

Pumping Record Calculation Data
☒ Consumptive Use
☐ Q
☐ App Eff

Consumptive Use for rental (acre-feet)

Month/Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Mar/2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Apr/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
May/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Jun/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Jul/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Aug/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Sep/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Oct/2014	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Nov/2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec/2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Run Start: Jan 2014 To 2015 ☒ Ignore pumping/recharge after: Dec 2014

RUN YEARS PAST SYNTHESIZED YEARS ASSUMED TO HAVE NO WELL CU/RECHARGE

For Help, press F1

Figure 6. Daily Inputs

AWAS -- Alluvial Water Accounting System - [C:\Users\rbuyer\Documents\AWAS\Monthly Run.dsi]

File Functions View Window Help

Input Output

Start Year: 2014
End Year: 2015

Set Properties Set Custom Output

Well Name	Description	Type	Boundary Condition	W (Feet)	B (Feet)	Transmissivity (GPD/FT)	Specific Yield	X (Feet)	SDF	Show in Output	Use Partial Stream	Left limit of stream segment	Right limit of stream segment
lease		Recharge	Alluvial Aquifer	700	0	10000	0.2	400	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	0
rental		Irrigation	Alluvial Aquifer	1000	0	60000	0.2	200	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	0

New Well
Delete Wells
Set URFs

Recharge Record Calculation Data
☒ Recharge
☐ Inflows
☐ Outflows
☐ EOM Storage
☐ Acres
☐ Pond Evap
☐ Days Evap

Recharge for lease (acre-feet) Initial EOM Storage: 0

Month/Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	0	0	0	60	62	60	62	60	62	60	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0

Run Start: Jan 2014 To 2015 ☒ Ignore pumping/recharge after: Dec 2014

RUN YEARS PAST SYNTHESIZED YEARS ASSUMED TO HAVE NO WELL CU/RECHARGE

For Help, press F1

Figure 7. Monthly Inputs

Once all inputs are completed, the red **Run** button can be clicked. The **Net Impact on Stream** results for all rental years should be selected, and the scale should be set to Daily if such results have been modeled. A screen shot of the model results can be printed, or a printout of the model results printed from Excel is possible if the **Export Open in Excel** is selected under **Display Options**.

See Figure 8 for an example of the outputs of a model run.

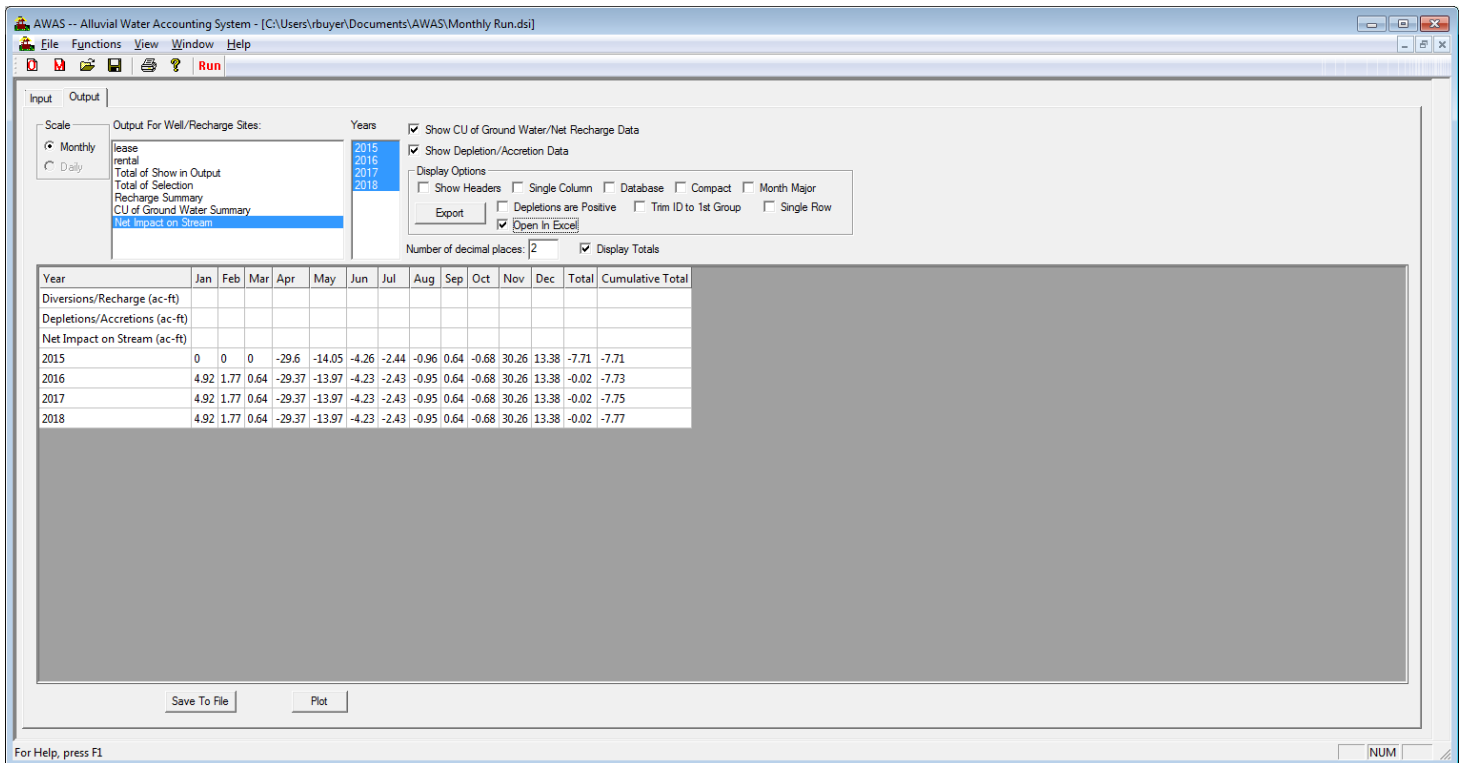


Figure 8. AWAS Model Outputs

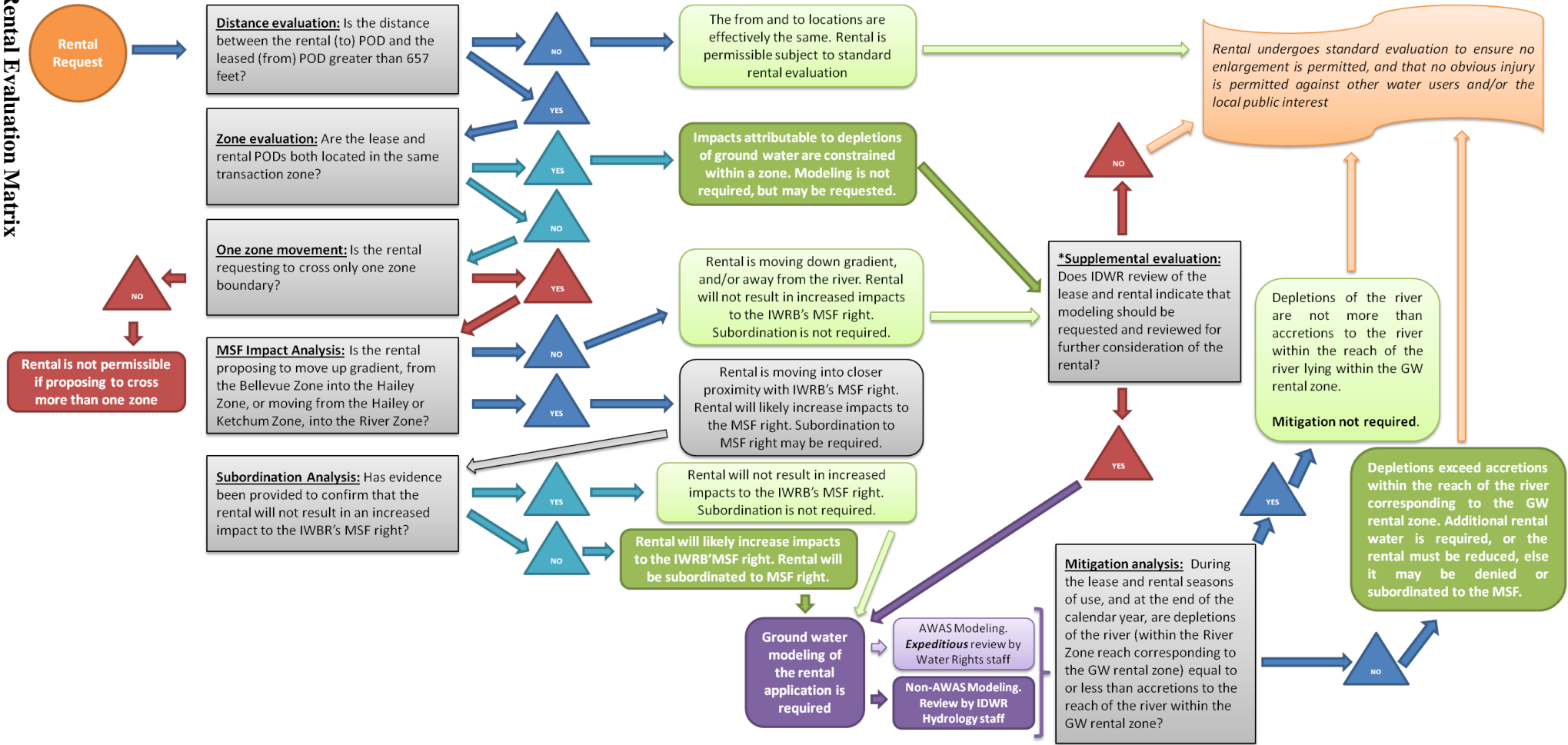
For rental requests that seek to rent ground water rights across zones within the Bellevue Triangle, a Theis ground water impact analysis should be conducted. The Department of Water Resources is currently working on guidance that can be made available on how to complete a Theis analysis in the triangle. Any water users intending to submit a cross-zone rental request in the triangle can contact the Department for information on how they might complete a Theis analysis.

Mitigating the Impacts of Ground Water Rentals Causing Excessive Surface Water Depletions

For the Ketchum, Hailey, Bellevue and River Zones, injury shall be evaluated based on the monthly net change in surface water depletions of the Big Wood River (or major tributaries) that occur during the rental season of use within the reach of the River Zone where the rental is occurring. For example, the measurement of injury for a ground water rental located within the Ketchum Zone is measured based on the net change in depletions to the northern reach of the Big Wood River. To ensure no injury occurs under such a scenario, the sum of all monthly depletions of the northern reach of the Big Wood River (caused by the rental) must be equal to or less than all monthly accretions to the northern reach of Big Wood River (that stem from the water right being leased).

If accretions to the river are greater than depletions from the river, no mitigation is necessary. However, if depletions of the river within the reach of the rental zone are greater than accretions to the river within the zone, additional surface or ground water rights must be rented to offset injurious depletions of surface water within the reach. If no additional water rights are available to offset the rental, the rental should be reduced so that depletions do not exceed accretions. If a rental cannot be reduced to avoid injurious impacts, such a rental may not be approved, or it may be approved as subordinated to the IWRB's minimum streamflow water rights.

Figure 9. Rental Evaluation Matrix



Minimum Stream Flow Subordination

Ground water rental requests cannot result in increased depletions to Big Wood River within the reach of the river where the Idaho Water Resource Board (IWRB) holds minimum stream flow (MSF) water rights (from Ketchum, south to the District #45 Canal in Bellevue). If a ground water rental request proposes to move upgradient from the Bellevue Zone into the Hailey Zone, it is expected to have a greater impact on the minimum stream flow reach of the Big Wood River. Similarly, if a ground water rental request proposes to move from outside the River Zone into the River Zone, such a move is also expected to result in increased depletions to the surface waters within the minimum stream flow reach of the river. Such rentals must submit evidence that any depletions to the surface water within this reach will be offset by accretions to the reach through the leased right being rented, else they must rent additional water rights to ensure no injury comes to the IWRB's MSF right. If it is expected that a rental will have an impact on the IWRB's MSF water rights and the rental applicant does not provide evidence to confirm that the rental will not adversely impact the IWRB's MSF water rights, the rental will be subordinated to the MSF.

Additional Information on the Interim Ground Water Rental Policy

The Water Supply Bank has implemented this temporary ground water rental policy to ensure optimal administration of ground water rental requests in the Wood River Valley while the Idaho Department of Water Resources and the US Geological Survey continue to work toward completion and administrative use of a hydrologic ground water model of the Wood River Valley. The Water Supply Bank anticipates that IDWR will issue a directive on ground water transfers within the Wood River Valley once the Wood River Valley model has been completed, tested and approved for use in modeling ground water transfers.

In light of future IDWR policy pertaining to ground water transfers, this interim ground water rental policy has been approved for use until December 31, 2016. All ground water rental requests approved pursuant to this interim policy are only in effect for one year. The Water Supply Bank is monitoring the implementation of the interim ground water rental policy and welcomes public comment on the approach to administering ground water in the Wood River Valley.

Public comments can be sent to:

Remington Buyer

Water Supply Bank Coordinator

(208) 287-4918

remington.buyer@idwr.idaho.gov

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE	)	RESOLUTION TO APPROVE
PRIEST LAKE	)	FUNDS FOR THE
IMPROVEMENT PROJECTS	)	PRIEST RIVER OUTFLOW GAGE

WHEREAS, the Idaho Department of Water Resources (IDWR) owns the Priest Lake Dam (Dam) which was constructed in 1951 as an outlet control structure to maintain lake levels and downstream flows in the Priest River in accordance with Idaho Code § 70-507; and

WHEREAS, Idaho Code § 70-507 authorizes the director of IDWR to contract operation and maintenance of the dam, and requires that the water surface level of Priest Lake be maintained at 3.0 feet on the US Geologic Society (USGS) Priest lake Outlet gage (located upstream of the Dam) after run-off of winter snowpack until the close of the main recreational season; and

WHEREAS, the USGS operated a streamflow gage on the Priest River approximately four miles downstream of the Dam until 2006; however, the closest operational streamflow gage is now located 45 miles downstream of the Dam which measures flows in the Priest River, including inflow from tributary streams below the Dam, and therefore, does not reflect the discharge rate from the Dam; and

WHEREAS, limited water supply and drought conditions in northern Idaho in 2015 limited the director's ability to maintain required pool levels and downstream flow in the Priest River during the recreational season; and

WHEREAS, Priest Lake, Upper Priest Lake and the Priest River are significant draws for tourism and recreation, and are highly valued environmental and economic assets for Bonner County and the state of Idaho; and

WHEREAS, IDWR recognizes the need for potential improvements to the Priest Lake Dam to address general maintenance needs, and improve measurement of lake levels, outflow, and operation of the outlet structure to help manage available water supplies into the future; and

WHEREAS, Governor Otter directed the Idaho Water Resource Board (IWRB) to develop a water sustainability policy and support water sustainability and aquifer stabilization projects across Idaho to address declining ground water levels, existing or potential conjunctive administration water use conflicts, alternative water supplies and long-term water management needs; and

WHEREAS, the IWRB, with support from Bonner County, the community, local officials and the Lake Pend Oreille, Pend Oreille River, Priest Lake and Priest River Commission, has initiated the Priest Lake Water Management Study (Study) to evaluate options to improve operation of the Priest Lake and Priest River system, and identify potential

improvements to the Outlet Dam, lake level and streamflow measurement, and options for rehabilitation of the Thorofare; and

WHEREAS, the USGS is prepared to enter into a Joint Funding Agreement (JFA) for installation, operation and maintenance, and publication of data collected for a new streamflow gage located immediately downstream of the Dam to provide accurate outflow data and to assist with reservoir and dam operations; and

WHEREAS, the total estimated cost of installation plus operation and maintenance (O&M) for a new gage for Fiscal Year 2017 is \$24,500, and annual O&M costs in subsequent years are estimated to be \$16,400; and

WHEREAS, the IDWR Safety of Dams Program secured a FEMA grant in the amount of \$7,500 to assist with installation expenses for the new outflow gage; therefore, the total remaining expenses for installation and O&M in Fiscal Year 2017 are \$17,000; and

WHEREAS, the USGS expects to share costs associated with the O&M in subsequent years, though the amount will be defined on an annual basis;

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes expenditure of funds not to exceed \$17,000 from the Revolving Development Account for the installation of a new gage below the Priest Lake Outlet Dam by the USGS.

NOW THEREFORE BE IT RESOLVED that the IWRB authorizes an annual expenditure of funds beginning in Fiscal Year 2018 not to exceed \$10,000 from the Revolving Development Account for expenditures associated with operations and maintenance of the Priest River Outflow gage.

NOW, THEREFORE, BE IT RESOLVED that the IWRB authorizes its chairman or designee, Brian Patton, to execute the necessary agreements or contracts to complete the installation and ongoing operation and maintenance of the new Priest River Outflow gage.

Dated this 2nd day of November 2016.

ROGER W. CHASE, Chairman
Idaho Water Resource Board

Attest: _____
Vince Alberdi, Secretary
Idaho Water Resource Board

**MATERIALS MAY BE PROVIDED AT THE
IWRB MEETING**