



IDAHO WATER RESOURCE BOARD

Amended AGENDA

MEETING NO. 5-12 IDAHO WATER RESOURCE BOARD

July 20, 2012, at 8:00 am

Best Western Burley Inn 800 N. Overland Ave. Burley, ID 83318

C.L. "Butch" Otter
Governor

Terry T. Uhling
Chairman
Boise
District 2

Roger W. Chase
Vice-Chairman
Pocatello
District 4

Bob Graham
Secretary
Bonners Ferry
District 1

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

Leonard Beck
Burley
District 3

Vince Alberdi
Kimberly
At Large

Jeff Raybould
St. Anthony
At Large

Peter Van Der Meulen
Hailey
At Large

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Thursday, July 19, 2012 at 8:00 am – Best Western Burley Inn, Burley, Id

Executive Session – Board will meet pursuant to Idaho Code Section 67-2345(1)(c) and (f) to communicate with legal counsel regarding pending litigation in the SRBA and acquisition of real property not owned by the State. Executive Session is closed to the public.

Thursday, July 19, 2012, approx. 10:00 am – 5:00 pm IWRB Field Visits

Friday, July 20, 2012 at 8:00 am – Best Western Burley Inn, Burley, Id

1. Roll Call
2. Agenda and Approval of [Minutes 4-12](#)
3. Public Comment – The Board will allocate a period of time (not to exceed 30 minutes) for the public to address the Board on subjects not specifically shown as an agenda item.
4. [Director's Report](#)
5. IWRB Committee and Other Reports
 - a. [Stream Flow Enhancement and Minimum Stream Flow](#)
 - b. [Upper Snake River Advisory \(Operations Forum\)](#)
6. [Bear River Bond Update](#)
7. [UIC Proposed Rule Approval](#)
8. [Water Transactions Program](#)
9. [Pristine Springs Background](#)
10. IWRB Financial Program
 - a. [Status Report](#)
 - b. [Consolidated Canal Co. Loan](#)
 - c. [Point Springs Grazing Assn. Loan](#)
11. [RP CAMP Update](#)
12. [TV CAMP Update](#)
13. [State Water Plan](#)
14. [ESPA CAMP and Aquifer Management Efforts](#)
 - a. [Modeling of Actual Recent Managed Recharge](#)
 - b. [Update on ESPA Management Activities](#)
 - c. [Idaho Power Cloud Seeding Efforts Update](#)
15. [Water Storage Studies Update](#)
16. Other Items Board Members May Wish to Present
17. Next Meeting and Adjourn

Americans with Disabilities

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



IDAHO WATER RESOURCE BOARD

MEETING MINUTES 4-12

C.L. "Butch" Otter
Governor

Idaho Water Center
322 E. Front Street
Boise, Idaho 83702

May 18, 2012

Terry T. Uhling
Chairman
Boise
District 2

Roger W. Chase
Vice-Chairman
Pocatello
District 4

Bob Graham
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St. Anthony
At Large

Peter Van Der Meulen
Hailey
At Large

Chairman Terry Uhling called the meeting to order at 8:00 am. All Board members were present.

Agenda Item No. 1, Roll Call

Board Members Present

Terry Uhling, Chairman
Bob Graham, Secretary
Jeff Raybould
Leonard Beck

Roger Chase, Vice-Chairman
Vince Alberdi
Peter Van Der Meulen
Chuck Cuddy

Staff Members Present

Brian Patton, Planning Bureau Chief
Rich Rigby, Federal Liaison
Mat Weaver, Engineer
Dan Nelson, Hydrologist

Helen Harrington, Planning Section Manager
Cynthia Bridge Clark, Engineer
Bill Quinn, Engineer
Diana Ball, Administrative Assistant

Guests Present

Candice McHugh, IGWA Counsel
Liz Paul, Idaho Rivers United
Rep. Tom Luertscher, Legislature
Rep. Marc Gibbs, Legislature
Sen. John Tippetts, Legislature
Walt Poole, Idaho Fish & Game
Lynn Tominaga, IGWA
Jon Bowling, Idaho Power
John Williams, BPA
Rob Struthers
Katie Breckenridge
Lesa Stark, Bureau of Reclamation
Lyla Dettmer, Franklin Soil & Water Conservation District
Christine Arrington, Farmers Land & Irrigation
Marie Callaway Kellner, Idaho Conservation League

Verl Christensen, Treasureton Irrigation
Miles Geddes, Treasureton Irrigation
Brad Shumway, Treasureton Irrigation
Eric Simonson, Farmers Land & Irrigation
Wade Olorenshaw, Farmers Land & Irrigation
Wayne Beck, South Liberty Irrigation Company
Stephen Goodson, Governor's Office
Teresa Molitor, Great Feeder Canals
Travis Thompson, Barker Rosholt & Simpson
Robert Schattin, Bureau of Reclamation
Scott Magnuson, Barker Rosholt & Simpson
Jim Wrigley, Wedbush Securities

Agenda Item No. 2, Agenda and Approval of Minutes 2-12 and 3-12

There were no changes to the agenda. Mr. Jeff Raybould requested that Keith Espley be corrected to Keith Esplin on page 2 of Minutes 2-12. Mr. Leonard Beck moved to approve Minutes 2-12 and 3-12 as corrected. Mr. Peter Van Der Meulen seconded the motion. Voice vote. All were in favor. Motion carried.

Agenda Item No. 3, Public Comment

Chairman Uhling asked for public comment regarding any items not included on the agenda.

Liz Paul, Idaho Rivers United, addressed the Board on water efficiency, water conservation, and the energy footprint of water in Idaho. She provided a copy of Idaho Rivers United report, “*Treasure Valley Energy Outlook: Why Domestic Water Use Matters*”.

Chairman Uhling acknowledged those who traveled to Boise to address the Board on the Bear River Bonds Agenda Item 5.b. and requested this agenda item be moved up to accommodate their travel arrangements. Mr. Patton requested that they cover this agenda item once Mr. Jim Wrigley, the IWRB’s revenue bond financial advisor, arrived.

Agenda Item No. 4, IWRB Committee and Other Reports

a. Water Resource Planning Committee (*Leonard Beck, Chair; Helen Harrington, Staff*)

Three meetings were held in March and April to complete the review and recommendations for the proposed revision of the State Water Plan and the proposed Treasure Valley Comprehensive Aquifer Management Plan. The committee recommends the IWRB accept the proposed State Water Plan and the TV CAMP for public comment and public hearings. No committee meetings are scheduled at this time.

b. Stream Flow Enhancement and Minimum Stream Flow Committee (*Roger Chase, Chair ; Helen Harrington, Staff*)

In 2010, IDWR issued a permit for the Cocolalla Lake minimum lake level. In 2012, the Legislature set a precedent with their disapproval of this permit. The Senate introduced concurrent resolution 120 as an alternative to the proposed resolution to approve the permit. Senate concurrent resolution 120 rejected the application and IDWR has cancelled the permit. During the permit process, the IWRB and IDWR held public meetings and hearings and there was no opposition received at that time. During the 2012 Legislative session, there was new opposition from local residents and developers who were concerned that minimum lake levels for Cocolalla Lake would impact their future use of water. Board member Bob Graham and several IDWR staff attended a meeting hosted by the Bonner County Commission to answer questions and address concerns regarding this permit. The Bonner County Commission submitted a letter in opposition to local Legislators. Local supporters of the minimum lake level approached Board members and Department staff about efforts to reinstate an application for the Cocolalla minimum lake level. Staff informed the supporters they would have to demonstrate the opposition to the original permit is resolved prior to submitting a new application to the Board for consideration.

The committee also discussed an appraisal of the Alturas Lake Creek water rights offered for sale by Katie Breckenridge and Rob Struthers. A resolution will be presented to the Board for consideration.

The next committee meeting is tentatively scheduled for July 18 in Burley, Idaho, in conjunction with the next regular IWRB meeting, to discuss the Cocolalla Lake minimum lake level permit, the Alturas Lake Creek water rights and appraisal, and Friends of the Teton River potential water transaction projects.

c. Upper Snake River Advisory (Operations Forum) (*Roger Chase, IWRB; Rich Rigby, Senior Advisor; Mat Weaver, Staff*)

Mr. Weaver introduced himself to the Board. He has been working for the Department as a senior engineer in Water Allocations and has experience with delivery calls in the ESPA. With Mr. Rich Rigby’s planned retirement at the end of June, Mr. Weaver will be assuming some of Mr. Rigby’s roles, including participation in the Operations Forum. Mr. Weaver presented a brief overview of the last Operations Forum meeting held April 12 in Burley. The next meeting is scheduled for May 22 at 10:00 am at the City Hall in Burley.

Agenda Item No. 5, IWRB Financial Program

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

As of April 1, the Board has approximately \$16 million in funds committed but not yet disbursed, approximately \$17.7 million in loan principle outstanding, and a total uncommitted balance of approximately \$4.3 million.

Bee Line Water Association and Caribou Acres Water Company have repaid their loans in full. Potential loans that the Board may be considering include Cub River Irrigation Company open lateral replacement, Marysville Canal Company Phase 3 gravity pressure pipeline project, and Canyon County Drainage District No. 2 drainage pipeline replacement project.

b. Bear River Bond Update (*Brian Patton, Staff*)

Mr. Patton provided a brief historical update on the origination of this bond process. In 2009, the BOR issued a 50% grant through WD 11, which encompasses the Bear River, to make improvements to a number of canal system in the Idaho portion of the Bear River Basin. Originally eight canal companies approached the IWRB requesting approximately \$4 million in loan funds to finance the remaining 50% of project costs. The Board did not have funds available in the Revolving Development Account to make loans directly to the canal companies at that time. The Board made a decision to investigate a pooled bond option with loans made to the canal companies from the bond proceeds. To ensure repayment and provide security for the bond purchasers, formation of LIDs were necessary. The LIDs were created through a county process to initiate property taxes. Four of the eight canal companies completed the LID process and incurred the debt through the pooled bonds.

The projects have been completed, and the bonds were issued for just under \$2.2 million at 5.95% with a 20-year term and a provision for an interest rate reset built-in at 10 years. The bonds were purchased by D.L. Evans bank. Several of the entities involved wrote letters to their Legislators expressing frustration and concerns regarding the bond process and the closing costs and fees associated with the bonds. They are requesting that the Board pay for some of the closing fees. These letters are included in the Board materials.

Mr. Jim Wrigley provided information on the bond process, interest rates, and the option of “unwinding” the financing for LID participants that are interested. The additional cost of the canal companies seeking their own financing would be an interest penalty applicable by Idaho code. Mr. Wrigley commented that if all of the members leave the LID and seek independent financing, they might be able to move past the statute requiring the interest penalty. If one member wants to stay in the LID, the LID would incur the interest penalty.

Mr. Wade Olorenshaw, Farmers Land & Irrigation, asked for clarification of the process of “unwinding” the financing and costs. Mr. Wrigley provided additional information.

Chairman Uhling commented that the Board’s goal was to provide a financing mechanism that would be beneficial for the Bear River water user community to complete their water improvement projects. Chairman Uhling asked if there was anything different about this LID process over other finance projects the Board has completed. Mr. Wrigley responded that the financial team putting this together was not in direct contact with the canal companies. Most of the communication was through the Bear River Soil & Conservation District (SWC&D) and the LIDs legal counsel, Ms. Stephanie Bonney. The canal companies appointed the Bear River SWC&D to represent them through most of the process. Ms. Lyla Dettmer, Franklin SWC&D, provided clarification that the Soil & Conservation Districts are local entities that consist of local farmers elected by the district and the members are not necessarily the same as those of the canal companies.

Mr. Olorenshaw, Farmers Land & Irrigation, addressed the Board and expressed concerns over the LID and bond processes and the bond closing fees, specifically the amounts for Payment of IWRB Fee \$19,256.20, Payment of Placement Agent Fee \$43,250.00, and Payment of Bond Counsel Fee (Skinner Fawcett) \$30,000, as provided in a Wedbush Securities memorandum dated October 4, 2011. The canal companies understood that the total closing costs would be \$20,000 for payment of the LID counsel fee (Moore Smith Buxton and Turke), to be split equally between the four LIDs.

Ms. Chris Rigby Arrington, Farmers Land & Irrigation, addressed the Board and provided a memo outlining direct project costs for improving the Soda Canal in Caribou County, Bureau of Reclamation federal grant monies received, and IWRB funds loaned borrowed through the pooled bond.

Mr. Eric Simonson, Farmers Land & Irrigation, addressed the Board regarding the original debt amount owed to Ireland Bank. Mr. Wrigley commented that closing numbers from Ireland Bank were \$1,742,083.96 in principal and interest at the time the loan was retired in October 2011, a debt service of \$218,100 was added, and D.L. Evans bank added an origination fee of \$21,810. These three amounts add up to approximately \$2,000,000.

There was discussion among the parties regarding the original debt amounts, closing costs and fees, and the final bond loan amount. Chairman Uhling requested that staff prepare an executive summary of the facts related to this matter. Mr. Peter Van Der Meulen requested that Mr. Wrigley's provide a hard copy of his paper trail on this project to the Board. Mr. Wrigley commented that he would also obtain the original loan amount from Ireland Bank.

Mr. Dan Nelson, IDWR staff, addressed the Board regarding a memo dated November 24, 2009, that he sent to Ms. JoAnn Taylor and Ms. Lyla Dettmer stating that the bond interest rates ranged from 2.9 to 6.63% based on taxable or tax-exempt status.

Mr. Wayne Beck, South Liberty Irrigation Company, addressed the Board regarding the LID process, interest rates, and the overall IWRB bond funding process and expressed frustration on behalf of the irrigation company on the communication difficulties during the LID and bond process.

Mr. Mike Geddes, Treasureton Irrigation District in Franklin County, addressed the Board. He read a letter the District sent to their Legislator and provided copies of the letter to the Board. Mr. Geddes commented that the ditch company did not have all the information available to make a decision prior to the opt-out time period. He requested that the Board void their participation in the process, pay their additional closing costs above the \$5,000, or lower the interest rate to 4%.

Chairman Uhling asked Mr. Patton to determine what information the end users had available to them before the opt-out period. The Board will review the executive summary of facts related to this issue once staff has it completed. There was no resolution to this matter at this time.

Agenda Item No. 6, Water Transactions Program *(Helen Harrington, Staff)*

a. Status Report

Ms. Alison Burnop was introduced to the IWRB as Taylor Dixon's replacement for the technical hydrologist position responsible for modeling work in the upper Salmon basin. This position is funded through a grant from the Pacific Coast Salmon Recovery Fund (PCSRF).

The briefing memo included key accomplishments and results, summary of progress, and specific transaction updates. A map showing 2012 proposed projects and active transactions was included in the Board materials. Ms. Harrington emphasized that this program is a critical key component to the overall recovery strategy of the State. Since 2003, there have been 62 transactions completed in the Upper Salmon River Basin, over 120 cfs of instream flow have been protected, and over \$5.6 million have been spent on acquiring the water through partner agencies or programmatic funding that the IWRB receives.

A memorandum from Ms. Sarah Rupp, Friends of the Teton River, updating the IWRB on potential water transaction projects in the Teton Valley was included in the Board materials. A Stream Flow Committee meeting will be held on July 18, and Ms. Rupp will present potential transactions on Teton Creek and Canyon Creek.

Chairman Uhling asked for clarification on the funds available to the State of Idaho that were not taken advantage of in the past. Ms. Harrington explained that the CBWTP funds are available for both resident and anadromous fish and there is not a competition between these monies. The CBWTP evaluates and prioritizes all of the potential water transaction projects. Other states have been able to complete a number of projects for resident

fish as well as anadromous. The Board's water transaction program is working towards new projects that will pull more funds into the State of Idaho for resident fish programs.

b. Alturas Lake Creek

Ms. Harrington led a discussion on Alturas Lake Creek water rights 71-64A and 71-69 currently owned by the Breckenridge Family Limited Partnership. These water rights were offered for sale to the Board, however an appraisal must be completed prior to entering into a purchase contract. Staff and legal counsel will work together to develop a contract with WestWater Research LLC, a consulting firm with water right appraisal expertise, to complete an appraisal not to exceed \$18,000. Ms. Katie Breckenridge has agreed to pay 50% of the cost of this appraisal within 30 days of receipt of the appraisal. Upon receipt of the appraisal, the Board will consider entering into negotiations to purchase the water rights.

Mr. Vince Alberdi made a motion to accept the resolution to enter into contracts for an appraisal for acquisition of water in the Salmon River Basin. Mr. Chuck Cuddy seconded the motion.

Roll Call Vote: Mr. Cuddy: Aye; Mr. Alberdi: Aye; Mr. Chase: Aye; Mr. Beck: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Aye; Mr. Graham: Aye; Mr. Uhling: Aye. Motion carried.

Ms. Breckenridge addressed the Board and thanked them for their hard work for Idaho and for working with her on this project.

Agenda Item No. 7, Proposed State Water Plan (*Helen Harrington, Staff*)

The Water Resource Planning Committee completed their revision and review of the current proposed Idaho State Water Plan and is recommending the Board accept the proposed plan for public comment as required by Idaho Code 42-1734. The revision process began in 2003, revisited in 2007, and has now been completed. The current Plan was adopted in 1996. It was the fourth revision since the original policies were adopted in 1976. Previous revisions were adopted in 1982, 1986, and 1992. The current Plan includes two sections: 1) Policies and 2) Resource Inventory. During the revision process, a decision was made to separate the two sections into separate documents. This will allow the Resource Inventory, which does not require approval by the Idaho Legislature, to be updated on a more frequent basis. An updated Resource Inventory was published in 2010.

A primary structural change has been made to add Implementation Strategies and Milestones to each policy. The proposed Plan contains 49 policies. The proposed revision eliminated the Protection section from the current Plan; policies in this section were either eliminated or inserted into other sections. A new basin section for the Salmon/Clearwater River Basin was carved out from the Snake River Basin to allow for proposed policies specific to the issues and conditions of that basin.

Key changes to the Plan include the Snake River Agreement of 2004, ESPA CAMP, SRBA Progress and North Idaho Adjudication, Surface Water Storage Studies undertaken by the IWRB, Innovative Water Exchanges (Lemhi River, Big Wood River rental pool), Water Transactions Program, Public awareness of climate variability, and change in water needs. The most significant change in the proposed Plan is the extensive Snake River Basin section.

The IWRB is required to obtain formal public comment before adopting the Idaho State Water Plan. The formal public comment process will begin once the IWRB accepts the proposed Plan and public meetings and hearings will be held across the State. A map showing proposed dates and locations for public hearings was included in the Board materials, however these are subject to change. There was discussion regarding the suggested dates and times. The tentative comment period is set for June 15 to September 15.

Mr. Leonard Beck made a motion to accept the resolution in the matter of the proposed revisions to the Idaho State Water Plan with additional language for Policy 2B, Federally Listed Species and State Species of Greatest Conservation Need, as recommended by the Governor's Office. Mr. Jeff Raybould seconded the motion. Voice vote. All were in favor. Motion carried.

Agenda Item No. 8, Proposed Treasure Valley CAMP Plan *(Helen Harrington, Staff)*

The recommended TV CAMP was transmitted to the Board at the March meeting. The Board assigned the Water Resource Planning Committee to work with staff to review the Plan and make recommendations for revised language for Plan elements where it was difficult for the Advisory Committee to reach consensus.

The Water Resource Planning Committee met on April 19 to review and approve suggested revisions and to finalize language related to the Municipal Water Rights Act of 1996.

As a component of the State Water Plan, the TV CAMP must be taken out for public comment and hearings prior to being adopted.

Mr. Leonard Beck made a motion to accept the resolution in the matter of the proposed Treasure Valley Comprehensive Aquifer Management Plan. Mr. Peter Van Der Meulen seconded the motion. Voice vote. All were in favor. Motion carried.

Agenda Item No. 9, RP CAMP Update *(Helen Harrington, Staff)*

The RP CAMP was adopted by the IWRB in July 2011 and was adopted by the Idaho Legislature and signed by Governor Otter on March 26, 2012. An Advisory Committee meeting is scheduled for May 23 in Coeur d'Alene. Mr. Ken Neely, IDWR staff, will give a presentation on the current hydrologic monitoring program, and Mr. Mat Weaver, IDWR staff, will give a presentation on the Municipal Water Rights Act of 1996. Ms. Harrington will lead a discussion on RP CAMP implementation. Mr. Gary Spackman, IDWR Interim Director, will also attend the meeting and participate in the discussions.

Implementation funding was discussed and funding options will be presented to the RP CAMP Advisory Committee at the upcoming meeting. The Board established a funding mechanism using income from the hydropower facilities account, and there is approximately \$80,000 in that account available for implementation.

Phil Cerner, Coeur d'Alene Tribe, submitted a request to appoint Laura Laumatia, Tribal Environmental Specialist, to replace him on the RP CAMP Advisory Committee, effective immediately.

Mr. Jeff Raybould made a motion to appoint Laura Laumatia as a replacement for Phil Cerner on the RP CAMP Advisory Committee. Mr. Bob Graham seconded the motion. Voice vote. All were in favor. Motion carried.

Agenda Item No. 10, ESPA CAMP and Aquifer Management Efforts Update

a. IWRRI Report Results *(Rich Rigby, Federal Liaison)*

Mr. Rich Rigby summarized the IWRRI Study Results presented by Mr. Mike McVay at the Board work session and reiterated that the long-term objective of the ESPA Comprehensive Aquifer Management Plan is to incrementally achieve a net ESPA water budget change of 600 thousand acre-feet annually. A priority list of canals and sites ranked by how well they would achieve that goal was included in the IWRRI presentation. Mr. Rigby proposed to see how much recharge could be accomplished at the top priority sites by next fall, if not by the next regular Board meeting in July.

There was discussion about recharging in both the upper and lower basins, recharge costs and benefits, and the possibility of valuing recharge based on the model and potential formulas.

Chairman Uhling commented that Mr. McVay's IWRRI presentation was fantastic and was great information that the Board and the State needs to develop long-term policy for the best interest of the State of Idaho. He suggested that managed recharge could be viewed from a broader perspective as recharge, storage, and recovery. There was also discussion about banking and mitigation and the Board's potential role in facilitating this process.

Mr. Rigby presented a newsletter from the Fish and Wildlife Service on the Minidoka Wildlife Refuge Planning update, providing an update on the Comprehensive Conservation Plan and the establishment of an underground injection well to aid in recharge aquifer.

A letter from Mr. Travis Thompson with Barker Rosholt & Simpson LLP to Mr. Jerry Gregg, U.S. Bureau of Reclamation, regarding the proposed recharge project on state land near Lake Walcott was included in the Board materials.

Mr. Rigby presented a letter from the Lower Snake River Aquifer Recharge District with respect to the Milepost 31 recharge site. Earlier in 2012, the Board approved a grant to the American Falls Reservoir District #2 to install a 72" pipe to increase the capacity for recharge at that location. Staff contacted the District about paying for monitoring costs and the District has agreed to pay some of those costs.

The Hazelton Butte ground water to surface water conversion project has been placed in operation and they are now pumping surface water. This project covers 5,400 acres and the project is successful. The Milepost 31 72" pipeline should start this fall.

b. Managed Recharge Updates (*Bill Quinn, Staff*)

Mr. Bill Quinn presented a summary of 2012 early season ESPA managed recharge. Ten canal companies or irrigation districts participated in the spring program. Recharge began on March 2 and continued through May 4. Conveyance fees budgeted totaled \$300,000 and approximately \$229,180 will be paid in conveyance fees. There is approximately \$71,000 remaining for fall recharge conveyance fees. Chairman Uhling asked Mr. Quinn to thank the water users for their participation.

Agenda Item No. 11, Water Storage Studies Update (*Cynthia Bridge Clark, Staff*)

Weiser-Galloway Project

Two studies are underway to address the two critical issues identified in the gap analysis completed in March 2011. The Board partnered with the Corp on both studies. Other entities, including the Bureau of Reclamation, are helping to coordinate both of these technical projects. The Geologic Study is moving forward and the drilling and exploration and access plans are in place. The Corp and the BLM will complete the embankment dam foundation exploration, including drilling and testing activities, and compile the results into a final report. IWRB staff has been meeting with associated land owners and entities to coordinate access agreements and provide project information and all parties involved have been cooperative and helpful. An Environmental Assessment and Right-of-Way permit to perform the drilling is being finalized. The estimated timeline is for mobilization mid-June, drilling is expected to take 4 months, and results from core sampling should be available by fall. The Operations Analysis is on hold until some of the results of the Geologic Study are complete. Both studies are expected to be complete by fall 2013.

Chairman Uhling asked that Ms. Clark inform him when they are ready to mobilize for a potential field trip by the Board.

Lower Boise River Interim Feasibility Study

The Corp presented an update on the Interim Feasibility Study and provided a comprehensive presentation on the flood risk in the Boise River at the Board's work session. The Corp completed the Water Storage Screening Analysis and additional review of the top ranked storage site, an enlargement of Arrowrock Dam. Additional funding has not been secured to complete the Interim Feasibility Study at this time. The feasibility process was streamlined to a 3x3x3 approach, consisting of completion of a scoping study within 3 years under \$3 million and development of a concise report not to exceed 3-inch thickness.

Henrys Fork Basin Study

BOR has compiled draft reconnaissance level technical analyses of each of the alternatives identified for further study, including new and existing surface water storage projects, managed ground water recharge, agricultural conservation and management, municipal and industrial conservation, and market-based alternatives.

The objective is to narrow down the alternatives to a package of water management alternatives to move forward to the appraisal level analysis by fall 2012. Results of the technical analyses will be presented at a future IWRB meeting.

Agenda Item No. 12, Director’s Report (*Gary Spackman, Interim Director*)

Mr. Gary Spackman, Interim Director, discussed a recent meeting he had with Board member Vince Alberdi, College of Southern Idaho President Jerry Beck, and IDWR Southern Regional Manager Allen Merritt. The discussion focused on CSI’s use of low-temp geothermal water and the Board’s use of low-temp geothermal water at the Pristine facility. He suggested that CSI’s board be invited to attend the next regular Board meeting and take a tour of the facility with IWRB members.

Mr. Spackman updated the Board on Department staff reassignments to address the licensing backlog and Board support. Mr. Dan Nelson has been reassigned 100% to lead the licensing backlog effort. Ms. Sandra Thiel has been assigned 80% to the licensing project. Mr. Mat Weaver has been assigned 50% to Board projects. Mr. Spackman also acknowledged the work that Mr. Mike McVay and Ms. Cynthia Bridge Clark have done on Board projects. Employees have also been taken out of Technical, GIS, and IT to work on the licensing backlog.

He commented that now that the RP CAMP has been adopted and developed it be taken into administration of water and action items and to start talking about what to do with the Ground Water Management Plan in the Rathdrum Prairie. This will be discussed at the May 23 RP CAMP Advisory Committee Meeting. Chairman Uhling requested that during the RP CAMP implementation phase the Board be updated on an annual basis.

He discussed the surface water call, development of a mitigation credit system, a new accounting system in Water District 01, how the reservoirs fill and how the storage rights are satisfied, the Board’s recharge rights, and funding sources for future planning functions and projects. He encouraged the Board to engage in conservations with IGWA and IWUA to develop a funding mechanism for long-term modeling, monitoring, and analysis needs.

Agenda Item No. 13, Other Items IWRB Members May Wish to Present

There were no other items presented by IWRB members.

Agenda Item No. 14, Next Meeting and Adjourn

The next regular IWRB Meeting is scheduled for July 19 & 20 in Burley, Idaho, with a location yet to be determined. There was discussion about the location for future Board meetings and State Water Plan hearings. The September 6 & 7 IWRB meeting will be held in Lewiston in conjunction with State Water Plan public hearings in Coeur d’Alene and Lewiston. Additional State Water Plan public hearing dates will be published as soon as they are available.

The IWRB Meeting 4-12 adjourned at approximately 12:15 pm.

Respectfully submitted this ____ day of _____, 2012.

Bob Graham, Secretary

Diana Ball, Administrative Assistant

Board Actions:

1. Mr. Leonard Beck moved to approve Minutes 2-12 and 3-12 as corrected. Mr. Peter Van Der Meulen seconded the motion. Voice vote. All were in favor. Motion carried.
2. Mr. Vince Alberdi made a motion to accept the resolution to enter into contracts for an appraisal for acquisition of water in the Salmon River Basin. Mr. Chuck Cuddy seconded the motion.

Roll Call Vote: Mr. Cuddy: Aye; Mr. Alberdi: Aye; Mr. Chase: Aye; Mr. Beck: Aye; Mr. Raybould: Aye; Mr. Van Der Meulen: Aye; Mr. Graham: Aye; Mr. Uhling: Aye. Motion carried.

3. Mr. Leonard Beck made a motion to accept the resolution in the matter of the proposed revisions to the Idaho State Water Plan with additional language for Policy 2B, Federally Listed Species and State Species of Greatest Conservation Need, as recommended by the Governor's Office. Mr. Jeff Raybould seconded the motion. Voice vote. All were in favor. Motion carried.
4. Mr. Leonard Beck made a motion to accept the resolution in the matter of the proposed Treasure Valley Comprehensive Aquifer Management Plan. Mr. Peter Van Der Meulen seconded the motion. Voice vote. All were in favor. Motion carried.
5. Mr. Jeff Raybould made a motion to appoint Laura Laumatia as a replacement for Phil Cernera on the RP CAMP Advisory Committee. Mr. Bob Graham seconded the motion. Voice vote. All were in favor. Motion carried.

Memorandum



To: Idaho Water Resource Board

From: Helen Harrington

Date: July 6, 2012

Re: Stream Flow Enhancement and Minimum Stream Flow Committee Update

Northern Idaho Adjudication Claims

Senate Bill No. 1389 appropriating the IDWR budget was passed during the 2012 legislative session. The bill included a discussion about the payment of adjudication fees for Northern Idaho Adjudication claims that will be filed by the Board and the Governor's Office. Specifically, the General Fund appropriation to IDWR for the Northern Idaho Adjudication will be counted toward filing fees. Because total filing fees for the claims are in excess of the FY 2013 General Fund appropriation, the filing of claims will be distributed between FY 2013 and FY 2014. The legislation included language which directed the Director, IDWR, to grant an extension of time in order to allow for next year's appropriation to cover the claim fees.

Staff is working with the Office of the Attorney General to file claims for the minimum stream flow and minimum lake level water rights held by the Board and the Governor's Office. There are six claims in the Spokane-Coeur d'Alene River Basin (Administrative Basins 91-95) which need to be filed. The elements of each water right are being confirmed by staff to ensure the claims reflect the correct location information and other items. A list of the water rights and map are attached.

Upcoming Committee Meeting

The Stream Flow Committee will hold a meeting on July 20, immediately following the Board meeting. The agenda will include a presentation by Sarah Rupp, Friends of the Teton River, to discuss proposed water transactions and other work in the Teton River basin. Other agenda items include several proposed water transactions in the Upper Salmon River basin, which are being presented to the Committee for their recommendations.

Idaho Water Resource Board's Water Rights in CSRBA

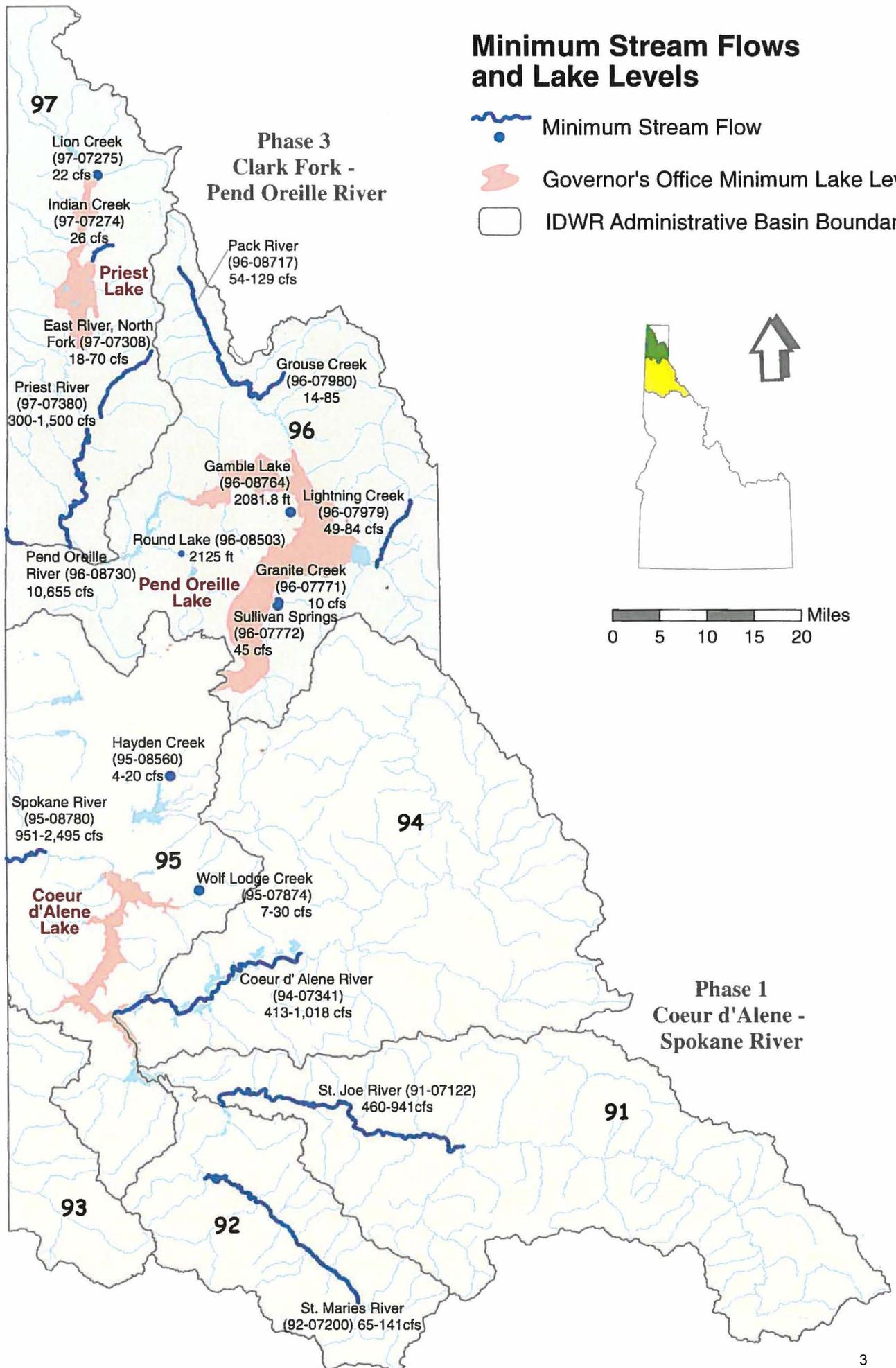
<u>Right No.</u>	<u>Priority Date</u>	<u>Rate(cfs)</u>	<u>Source</u>	<u>Water Use(s)</u>	<u>Claim Fee</u>	<u>FY 2013</u>	<u>FY 2014</u>
91-7122	6/15/1992	941	ST JOE RIVER	MINIMUM STREAM FLOW	\$94,150.00		\$94,150.00
92-7200	6/15/1992	141	ST MARIES RIVER	MINIMUM STREAM FLOW	\$14,150.00	\$14,150.00	
94-7341	6/15/1992	1,018	COEUR D ALENE RIVER	MINIMUM STREAM FLOW	\$101,850.00	\$101,850.00	
95-7874	9/13/1978	30	WOLF LODGE CREEK	MINIMUM STREAM FLOW	\$3,050.00		\$3,050.00
95-8560	10/16/1987	20	HAYDEN CREEK	MINIMUM STREAM FLOW	\$2,050.00	\$2,050.00	
95-8780	6/15/1992	2,495	SPOKANE RIVER	MINIMUM STREAM FLOW	\$249,550.00	\$249,550.00	
		4,645					
					<u>Total</u>	\$464,800.00	

Governor's Water Right in CSRBA

<u>Right No.</u>	<u>Priority Date</u>	<u>Volume(af)</u>	<u>Source</u>	<u>Water Use(s)</u>	<u>Claim Fee</u>	<u>FY 2013</u>	<u>FY 2014</u>
95-2067	1/24/1927	1,000,000	COEUR D ALENE LAKE	RECREATION STORAGE	\$138,420.00		\$138,420.00
					<u>Total</u>	\$138,420.00	
					<u>Total Fees</u>	\$367,600.00	\$235,620.00

Minimum Stream Flows and Lake Levels

-  Minimum Stream Flow
-  Governor's Office Minimum Lake Level
-  IDWR Administrative Basin Boundary



0 5 10 15 20 Miles

Abbreviated Meeting Notes

Water District 01

Upper Snake River Advisory Committee Meeting, May 22, 2012

10:05 AM – Introductions were made and an attendance list was circulated. The following people were in attendance:

Lyle Swank (WD01)	Alan Hansten (NSCC)	Dan Shewmaker (Co9)
Rich Rigby (IDWR)	Mat Weaver (IDWR)	Tebbin Johnson (Co9)
Liz Cresto (IDWR)	Brian Olmstead (TFCC)	Reid Beck (BID)
Mike Beus (USBR)	Kent Fletcher (MID)	Dan Temple (A&B)
Matt Howard (USBR)	John Simpson (Idaho Power)	Harold Mohlman (A&B)
Jon Bowling (Idaho Power)	Clive Strong (OotAG)	Gail McGarry (USBR)
Lynn Harmon (AFRD2)	Lynn Tominaga (IGWA)	Dale Swenson (FMID)
Tony Olenichak (WD01)	Roger Chase (IWRB)	Darrel Kerr (Water User)
Bill Thompson (MID)	Pete Van Der Meulen (IWRB)	

10:07 AM – Rich Rigby outlined agenda.

10:10 AM – Liz Cresto, Department Hydrologist, gave a presentation with slides on reach gains from Blackfoot to Milner.

1. B. Olmstead appreciated the presentation, and was interested to see a similar presentation on reaches upstream of Black Foot.
2. L. Tominaga questioned what the trend is in year to year carryover and what is influencing those trends if any.
3. M. Beus indicated that understanding trends in carryover is not an easy task due to many complicating factors.

10:26 AM – Lyle Swank, Watermaster WD01, gave a recap of WD01 operations from his perspective, indicating that it looks like a year of heavy storage use. He expressed concerns about using a lot of storage and harming carryover. Lyle indicated that demand on the rental pool was up. He considered 2010 to be a good analog water year; however, we were not getting the same spring rains in 2012. He also indicated that some canals were already on peak demand.

1. J. Simpson questioned whether 2007 would be a good analog year for likely storage use. Lyle responded that 2012 has better snow than 2007, but 2007 might be a good analog year for demand.

10:33 AM – Mike Beus gave a presentation on the state of the reservoirs and the water supply. His presentation touched on climate forecasts, NRCS snowpack data, existing fill and discharge rates of reservoirs, likelihood of fill, and differences between the various water supply forecasts.

1. B. Thompson observed that we were experiencing an early melt out. Mike responded by saying we were ahead of normal in 2012, but that 2012 did not represent a severe drought by any measure.

10:48 AM – John Bowling gave a report on Idaho Power operations. John noted that long term climate forecasts indicated we were heading back into El Nino conditions, below normal precipitation is predicted, and it looks like it will remain dry heading into the fall. Idaho Power is going to manage their operations anticipating a dry year. John commented that the snowpack in the Boise and Payette basins were holding well.

1. John closed by inquiring into the USBR's upcoming operations intentions. M. Howard responded to John's inquiry by stating that the USBR had not yet set flow augmentation schedules or rates, but he thought it would start up in early June.
2. B. Olmstead questioned the status of Idaho Power cloud seeding program. John responded that their cloud seeding efforts had started strong but tapered off with many of the storms being too warm for cloud seeding.
3. John questioned whether May 1st was peak fill for season. Lyle and T. Olenichak responded that there would be full allocations and so far everything has filled on paper except for Grassy Lake Reservoir.

11:00 AM - Rich Rigby reintroduced the topic of Fall 2011 operations in American Falls Reservoir in which ~560K ac-feet of water was lost from storage accounts do to USBR operations, and left some of the storage space holders confused and frustrated by the process resulting in a letter from the Surface Water Coalition (Travis Thompson, 3/26/12) to the Watermaster. Rich opened the topic for discussion.

1. Rich reminded the room that at the close of the last meeting Roger Chase challenged the room to go away from the meeting and think about how to develop transparency and come back to the next meeting ready to discuss the matter further and provide detailed suggestions.
2. Rich indicated through the committee everyone was working to build trust and that everyone needs to demonstrate better communication now and in the future.
3. K. Fletcher indicated that a meeting just like this one last fall would have gone a long way to alleviate the issue and concerns. Rich responded that a meeting was held last fall, but this specific issue never surfaced.
4. J. Simpson questioned what the likely day of allocation would be. Lyle responded that until peak flows at Heise occur it is hard to guess date of the day of allocation, but his sense was it was still a ways out.
5. J. Simpson questioned whether the alarm should be sounded to Palisades' spaceholders.
6. R. Chase wondered whether water users had an obligation to communicate better and ask more questions in the fall of 2011. He wondered if the communications channels were in place to support this. Mike Beus responded that water users are welcome to "over communicate" with him.

11:15 AM – The next committee meeting was not scheduled with everyone agreeing it was not needed for several months. The Department promised to send out an inquiry in early August to committee members to determine when to schedule the next meeting.



Memorandum

To: Idaho Water Resource Board
From: Tom Neace, Ground Water Protection Section Manager
Date: July 9, 2012
Re: Proposed revisions to the Underground Injection Control Rules of IDAPA 37.03.03

Action Item: Consider resolution to accept proposed rules to be submitted for publication in the Idaho Administrative Bulletin.

IDWR has completed negotiated rulemaking meetings where revisions to the existing Class V injection well rules and new rules for Class II injection wells associated with oil and gas production were discussed. IDWR is providing the proposed rules to the IWRB for its consideration and approval prior to submittal for publication in the Administrative Bulletin (copy attached).

Revising the existing Class V rules was done to achieve consistency with federal law. Failure to achieve consistency could jeopardize State primacy and federal funding of the UIC program. Failure to align our rules with federal requirements results in less protection for the State's aquifers due to unregulated injection. If the State of Idaho rules are less stringent than federal law, the U.S. EPA could conduct independent inspections and enforcement actions in Idaho. Therefore, it is important that Idaho maintains regulatory authority. Drafting new Class II injection well rules was done to prepare for the anticipated industry requirements related to oil and gas production.

A total of five (5) negotiated rulemaking meetings were held and attended by representatives of the oil and gas industry, Idaho Water Users Association, Idaho Ground Water Appropriators Association, Idaho Ground Water Association, Idaho Conservation League, U.S. Environmental Protection Agency, Idaho Dept. of Lands, Idaho Dept. of Environmental Quality, District Health Departments, and a private citizen. Written comments were submitted to IDWR between the 4th and 5th meeting. The IDWR UIC Program prepared responses to each comment (copy attached), and the rules were revised a final time resulting in a 6th draft.

Class V Existing Rules Revision Summary

- Update/add definitions for consistency with state statute(s) and federal law
- Remove exemptions that are inconsistent with federal law
- Regulation of improved sinkholes (major topic of discussion)
- Relax permitting requirements for low-flow water-based heat exchange wells

Class II New Rules Summary

Would allow for:

- Injection of fluids to aid in recovery of hydrocarbons
- Disposal of brines and other fluids associated with hydrocarbon production
- Storage of liquid hydrocarbons

Specifies:

- Application requirements
- Application processing
- Permit conditions
- Operating requirements
- Actions to be taken on approved permits
- Bonding

BEFORE THE WATER RESOURCE BOARD
OF THE
STATE OF IDAHO

IN THE MATTER OF AMENDING THE)
RULES FOR THE CONSTRUCTION AND) **RESOLUTION ADOPTING**
USE OF INJECTION WELLS) **PROPOSED NEGOTIATED RULES**

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

WHEREAS, on November 2, 2011, the Board passed and approved a resolution authorizing the Director of the Department of Water Resources to initiate the rule amending process for the Board; and

WHEREAS, a total of five (5) public negotiated rulemaking meetings were held which were attended by representatives of the oil and gas industry, Idaho Water Users Association, Idaho Ground Water Appropriators Association, Idaho Ground Water Association, Idaho Conservation League, U.S. Environmental Protection Agency, Idaho Dept. of Lands, Idaho Dept. of Environmental Quality, District Health Departments, and a private citizen; and

WHEREAS, written comments from the attendees were received and responded to by the IDWR UIC program; and

WHEREAS, the negotiated rulemaking process is complete and the Board has reviewed the proposed rules.

NOW THEREFORE, BE IT RESOLVED that the Board approves the proposed Rules and Minimum Standards for the Construction and Use of Injection Wells attached hereto and authorizes the Director to submit the proposed rules to the Office of the Administrative Rules Coordinator for publication in the Idaho Administration Bulletin.

IT IS, THEREFORE, FURTHER RESOLVED that in the event the rules are revised in response to comments received after publication in the Administrative Bulletin in October 2012, IDWR will return to the Board to obtain approval of the revisions prior to submitting the rules to the legislature for approval.

DATED this _____ day of July, 2012.

ROGER CHASE, Vice-Chairman
Idaho Water Resource Board

ATTEST: _____
BOB GRAHAM, Secretary
Idaho Water Resource Board

Memorandum

To: Idaho Water Resource Board
From: Morgan Case
Date: July 5, 2012
Re: Water Transactions Program



Alturas Lake Creek Appraisal

Following the May meeting, the Board entered into contract with Breckenridge Family Partnership to split the cost of a water right appraisal. The Board secured the services of WestWater Research to complete the appraisal. WestWater has been gathering market information and met Katie Breckenridge and Rob Struthers at the ranch on June 26th. If the appraisal results in a value that is agreeable to both parties, staff can pursue funding through the Columbia Basin Water Transactions Program (CBWTP).

That process will require the following steps:

- Stream Flow Committee recommendation to the Board (Meet prior to September Board meeting?)
- Board approval of a resolution to fund purchase (September meeting?)
- CBWTP Technical Advisory Committee approval (Staff submitted a proposal without the price at the July 13th solicitation, since it was the last solicitation of the year. We'll add the price information once the appraisal is complete).
- Signed landowner agreement
- Northwest Power and Conservation Council Approval
- Invoice CBWTP for payment – 45 day turn around to receive funds.
- Complete purchase, with the goal of completion before the end of the calendar year.

CBWTP Spring Check-In Meeting

On June 25th, Board staff met with the CBWTP staff [from National Fish and Wildlife Foundation (NFWF) and Bonneville Power Administration] in Boise to discuss the Idaho Water Transactions Program. The annual meeting is intended to be a check-in to see how the program is functioning, to discuss the upcoming year, and plan strategies for the future. This year we discussed:

- The recent partnership with Friends of the Teton River and the status of that relationship.
- Funding – CBWTP and Accord funding, as well as opportunity to use other sources of funding.
- A shift in focus on developing innovative strategies for flow restoration (which has been accomplished over the last 10 years of the program) to developing strategic plans that address restoration goals in a holistic manner.
- New valuation and monitoring policies to be implemented in 2013.
- Expansion of NFWF scope to include areas outside of the Columbia River Basin. NFWF will be hiring a new program manager to run the CBWTP, which will allow Andrew Purkey and Molly Whitney to expand their work into new areas.

Overall, Idaho's program is poised to adapt readily to the direction that the CBWTP is heading. We have a program that is integrated well with restoration partners, and one that benefits from the high level of monitoring occurring in the basin.



MEMO

To: Idaho Water Resource Board
From: Brian W. Patton
Subject: Water Resource Projects Funding Program Status Report
Date: June 30, 2012

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

Revolving Development Account (main fund)

Committed but not disbursed		
Loans for water projects	\$2,325,394	
Water storage studies	2,700,901	
Total committed but not disbursed		5,026,295
Loan principal outstanding		8,701,120
Uncommitted balance		3,346,911
Estimated revenues next 12 months		2,300,000
Commitments from revenues next 12 months		0
Estimated uncommitted funds over next 12 months		5,646,911

Rev. Dev. Acct. ESPA Sub-Account

Committed but not disbursed		
CREP	2,419,581	
Aquifer recharge	364,758	
Bell Rapids	361,620	
Palisades storage	10,000	
Black Canyon Exchange	489,445	
Loan for water project	250,000	
Total committed but not disbursed		\$3,895,404
Loan principal outstanding		357,639
Uncommitted balance		144,484
Estimated revenues next 12 months		172,000
Commitments from revenues over next 12 months		0
Estimated uncommitted funds over next 12 months		316,484

Rev. Dev. Acct. Bell Rapids Sub-Account

Committed but not disbursed (finance costs)		\$179,041
Estimated revenues next 12 months (1)		2,000
Commitments from revenues over next 12 months		2,000
Estimated uncommitted funds over next 12 months		0

Rev. Dev. Acct. Dworshak Hydropower (2)

Committed but not disbursed (repair fund, etc.)		\$1,328,576
Estimated revenues next 12 months (3)		200,000
Commitments from revenues over next 12 months		200,000
Estimated uncommitted funds over next 12 months		0

Rev. Dev. Acct. Treasure Valley & Rathdrum Prairie CAMP Sub-Account

Committed but not disbursed	\$111,669
Estimated revenues next 12 months (5)	200,000
Commitments from revenues over next 12 months	0
Estimated uncommitted funds over next 12 months	311,669

Rev. Dev. Acct. Pristine Springs Sub-Account

Committed but not disbursed	
Repair fund	\$1,164,228
ESPA CAMP	1,232,000 (to be transferred to
Secondary Aquifer Fund)	
Total committed but not disbursed	\$2,396,228
Loan principal outstanding	7,475,750
Uncommitted balance	0
Estimated revenues next 12 months	1,732,000
Commitments from revenues over next 12 months	1,732,000
Estimated uncommitted funds over next 12 months	0

Rev. Dev. Acct. Upper Salmon/CBWTP Sub-Account

Committed but not disbursed	\$2,620,929
(Upper Salmon flow enhancement/reconnect projects)	
Estimated revenues next 12 months (4)	30,000
Commitments from revenues over next 12 months	30,000
Estimated uncommitted funds over next 12 months	0

Water Management Account

Committed but not disbursed:	\$111,376
Loan principal outstanding	4,435
Uncommitted balance	4,756
Estimated revenues next 12 months	2,000
Commitments from revenues over next 12 months	0
Estimated uncommitted funds over next 12 months	\$6,756

Secondary Aquifer Management Fund

Committed but not disbursed:	\$1,822,739
Uncommitted balance	666,573
Estimated revenues next 12 months	27,000
Commitments from revenues over next 12 months	0
Estimated uncommitted funds over next 12 months	693,573

Total committed but not disbursed	\$17,482,258
Total loan principal outstanding	16,538,945
Total uncommitted balance	4,018,240
Total estimated uncommitted funds over next 12 months	6,975,393

- (1) Exclusive of pass-through payments made by the U.S. Bureau of Reclamation.
- (2) Excess funds generated by the Dworshak Hydropower Project are deposited into the Revolving Development Account (Main Fund) on a monthly basis. To the date of this report this has totaled \$2,141,137.
- (3) This line item includes power sales and interest income after removing debt service. Debt service is paid prior to the funds being deposited in the Revolving Development Account.
- (4) Exclusive of project funds provided by Bonneville Power Administration or federal appropriation sources. These funds are provided to the Board based on individual project proposals and so are not included in the income projection.
- (5) From Pristine Springs hydropower and rental income.

The **Robertson Ditch Company** has repaid its \$30,000 loan in full. The Robertson Ditch delivers irrigation water to 880 acres near Gooding. This loan was used to rebuild the ditch channel.

The **Dalton Water Association** has repaid its \$375,088 loan in full. Dalton Water provides domestic water service for the Dalton Gardens area north of Coeur d'Alene. The loan was used to replace a major water delivery line.

The **Picabo Livestock Company**, which owns and operates the **Picabo Town Water System**, has repaid its \$38,000 loan in full. The loan was used to construct a new well to supply water to the town.

The IWRB will be considering the following loan applications:

Applicant	Project	Request
Consolidated Irrigation Company (successor to Preston-Whitney Irrigation Co., Preston-Riverdale & Mink Creek Canal Co., and Preston & Whitney Reservoir Co.)	Convert 6 miles of open canal that brings Cub River water into their reservoirs with 3.5 miles of pipeline with a small hydro plant	\$1.5 million loan to match a \$1.5 million (approx.) WaterSmart grant from the U.S. Bureau of Reclamation
Point Springs Grazing Association	Replacement of livestock watering pipeline	\$48,277 loan

TOTAL LOAN REQUESTS: \$1,548,277

There is \$3,346,911 currently available for loans from the Revolving Development Account's Main Fund so all requests can be met.

The following is a list of potential loans that we know about:

Potential Applicant	Potential Project	Preliminary Loan Amount	Comment
Cub River Irrigation Company	Replace open lateral with pressure pipeline	\$300,000	Have received federal (BOR) grant, but Cub River Irrigation serves lands in both Idaho and Utah so waiting on outcome of Utah Water Board loan request (Utah has lower interest rates).
Marysville Canal Company	Phase 3 of gravity pressure pipeline project	\$1,500,000	Federal (NRCS) grant has been approved – working on revising estimated construction costs for IWRB loan. IWRB has financed Phases 1 & 2 with \$1.725M in loans to match prior federal grants.
Canyon County Drainage District No. 2	Replace failing drainage pipeline	\$35,000	Working with attorneys on path to borrow funds

IDAHO WATER RESOURCE BOARD
Sources and Applications of Funds
as of May 31, 2012
REVOLVING DEVELOPMENT ACCOUNT

Original Appropriation (1969).....	\$500,000.00
Legislative Audits.....	(\$42,264.45)
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.....	\$5,664,367.66
Interest Earned State Treasury (Transferred).....	\$1,580,655.85
Filing Fee Balance.....	\$47,640.20
Bond Fees.....	\$1,474,173.20
Arbitrage Calculation Fees.....	(\$9,000.00)
Protest Fees.....	(\$250.00)
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.....	\$52,754.24
Attorney fees for Jughandle LID.....	(\$3,600.00)
Water Supply Bank Receipts.....	\$3,023,293.31
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.....	(\$1,021,838.18)
Weiser Galloway Study - US Army Corps of Engineers.....	(\$349,896.74)

Bell Rapids Water Rights Sub-Account

Legislative Appropriation 2005, HB392.....	\$21,300,000.00
Interest Earned State Treasury.....	\$691,181.12
Bell Rapids Purchase.....	(\$16,006,558.00)
Bureau of Reclamation Principal Amount Lease Payment Paid.....	\$8,294,337.54
Bureau of Reclamation Interest Paid.....	\$179,727.97
Bureau of Reclamation Remaining Amount Lease Payment Paid.....	\$9,142,649.54
First Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Second Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Third Installment Payment to Bell Rapids.....	(\$1,313,236.00)
Fourth Installment Payment to Bell Rapids.....	(\$1,040,431.55)
Interest Credit due to Bureau of Reclamation (Part of Fourth Installment).....	(\$19,860.45)
Fifth Installment Payment to Bell Rapids.....	(\$1,055,000.00)
Transfer to General Fund - Principal.....	(\$21,300,000.00)
Transfer to General Fund - Interest.....	(\$772,052.06)
BOR payment for Bell Rapids.....	\$1,040,431.55
BOR payment for Bell Rapids.....	\$1,313,236.00
BOR prepayment for Bell Rapids.....	\$1,302,981.70
BOR prepayment for Bell Rapids.....	\$1,055,000.00
BOR payment for Alternative Financing Note.....	\$7,117,971.16
Payment to US Bank for Alternative Financing Note.....	(\$7,118,125.86)
Payment for Ongoing Bell Rapids Finance Costs (trustee fees, water bank, etc.).....	(\$6,740.10)
Commitments	
Ongoing Bell Rapids Finance Costs (trustee fees, etc.).....	\$179,040.56
Committed for alternative finance payment.....	\$0.00
Total Commitments.....	\$179,040.56
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.....	\$26,665.73
Loan Interest.....	\$1,174,478.75
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.....	\$2,524,249.57
Appraisal.....	(\$15,000.00)
Insurance.....	(\$15,562.50)
Recharge District Assessment.....	(\$6,051.00)
Hydro Plants Engineering Certification (Straubhar).....	(\$1,500.00)
Payment to EHM Engineers for pipeline work.....	(\$1,200.00)
Payment to John Root for Easement Survey.....	(\$1,000.00)
Telemetry Station Equipment.....	(\$10,445.00)
Property Taxes and other fee assessments (Jerome County).....	(\$6,015.39)
Rental Payments.....	\$1,123,634.32
Transferred to Secondary Aquifer Fund (2011 Legislature; HB 291).....	(\$2,465,300.00)
Pristine Springs Hydropower Projects	
Net power sales revenues.....	\$191,552.57
Pristine Springs Committed Funds	
ESPA CAMP (to be transferred to Secondary Fund).....	1,232,000.00
Repair/Replacement Fund.....	\$1,164,227.96
TOTAL COMMITTED FUNDS.....	\$2,396,227.96
Loans Outstanding	
North Snake and Magic Valley Ground Water Districts.....	\$7,475,750.43
Total Loans Outstanding.....	\$7,475,750.43
Funds to RP CAMP & TV CAMP Sub-Account.....	\$111,669.34
Pristine Springs Revenues into Main Revolving Development Account.....	\$10,609.75

Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account

Pristine Springs Hydropower and Rental Revenues.....	\$111,669.34
Committed Funds.....	\$0.00
Balance Rathdrum Prairie CAMP & Treasure Valley CAMP Sub-Account.....	\$111,669.34

Upper Salmon/CBWTP Sub-Account

Water Transaction Projects Payment Advances from CBWTP/accord		\$2,631,851.42
PCSRF Funds for Administration of Non-Diversion Easements on Lemhi River.....		\$161,079.26
Interest Earned State Treasury.....		\$77,761.14
Transfer to Water Supply Bank.....		(\$34,110.77)
Payments for Water Acquisition		(\$215,651.80)
Committed Funds		
Administration of Non-Diversion Easements on Lemhi River.....	\$161,988.86	
Alturas Lake Creek (Breckenridge).....	(\$0.00)	
Beaver Creek (DOT LLP).....	\$15,722.67	
Big Hat Creek.....	\$270.28	
Big Timber Tyler (Leadore Land Partners).....	\$449,110.81	
Canyon Creek/Big Timber Creek (Beyeler).....	\$418,999.03	
Fourth of July Creek (Vanderbilt).....	\$17,544.36	
Iron Creek (Phillips).....	\$229,952.08	
Lemhi River & Little Springs Creek (Kauer).....	\$19,625.87	
Little Springs Creek (Snyder).....	\$262,496.05	
Lower Eighteenmile Creek (Ellsworth Angus Ranch).....	\$6,045.81	
Lower Lemhi M Olson (Mark Olson).....	\$11,194.55	
Lower Lemhi Thomas (Robert Thomas).....	\$2,664.81	
P-9 Bowles (River Valley Ranch).....	\$294,117.73	
P-9 Charlton (Sydney Dowton).....	\$19,467.75	
P-9 Dowton (Jim Dowton Ranch).....	\$233,285.46	
P-9 Elzinga (Elzinga).....	\$288,555.04	
Whitefish (Leadore Land Partners).....	\$189,888.10	
Total Committed Funds.....	\$2,620,929.25	
Balance CBWTP Sub-Account.....		(\$0.00)
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.....	\$1,863,395.98	
Loan Interest.....	\$153,713.66	
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.....	(\$3,510,257.36)	
Reimbursement from BOR for Palisades Reservoir.....	\$2,381.12	
W-Canal Project Costs.....	(\$326,834.11)	
Black Canyon Exchange Project Costs.....	(\$71,680.00)	
Black Canyon Exchange Project Revenues.....	\$23,800.00	
2008 Recharge Conveyance Costs.....	(\$14,580.00)	
2009 Recharge Conveyance Costs.....	(\$355,253.00)	
2010 Recharge Conveyance Costs.....	(\$413,031.52)	
Pristine Springs Cost Project Costs.....	(\$6,863.91)	
Loans and Other Commitments		
Commitment - ESPA Comprehensive Aquifer Management Plan - CDR Contract.....	\$0.00	
Commitment - North Snake & Magic Valley GWD Loan - Mitigation Pipeline.....	\$250,000.00	
Commitment - Remainder of Bell Rapids Water Rights Purchase (1).....	\$361,620.00	
Commitment - CREP Program (HB392, 2005).....	\$2,419,580.50	
Commitment - Recharge Conveyance.....	\$14,758.39	
Commitment - Additional recharge projects preliminary development.....	\$350,000.00	
Commitment - Palasades Storage O&M.....	\$10,000.00	
Commitment - Black Canyon Exchange Project (fund with ongoing revenues).....	\$489,444.95	
Commitment - W-Canal Aquifer and Recharge Conveyance.....	\$0.00	
Total Loans and Other Commitments.....	\$3,895,403.84	
Loans Outstanding:		
American Falls-Aberdeen GWD (CREP).....	\$113,814.73	
Bingham GWD (CREP).....	\$1,282.10	
Bonneville Jefferson GWD (CREP).....	\$75,932.93	
Magic Valley GWD (CREP).....	\$108,538.78	
North Snake GWD (CREP).....	\$58,070.56	
TOTAL ESP LOANS OUTSTANDING.....	\$357,639.10	
Uncommitted Balance Eastern Snake Plain Sub-Account.....		\$144,484.42
Dworshak Hydropower Project		
Dworshak Project Revenues		
Power Sales & Other.....	\$5,504,598.01	
Interest Earned State Treasury.....	450,941.20	
Total Dworshak Project Revenues.....	\$5,955,539.21	
Dworshak Project Expenses (2)		
Transferred to 1st Security Trustee Account.....	\$148,542.63	
Construction not paid through bond issuance.....	\$226,106.83	
1st Security Fees.....	\$314,443.35	
Operations & Maintenance.....	\$1,383,921.18	
Powerplant Repairs.....	\$58,488.80	
Capital Improvements.....	\$318,366.79	
FERC Payments.....	\$35,956.16	
Total Dworshak Project Expenses.....	(\$2,485,825.74)	
Dworshak Project Committed Funds		
Emergency Repair/Future Replacement Fund.....	\$1,298,575.00	
FERC Fee Payment Fund.....	\$30,001.49	
Total Dworshak Project Committed Funds.....	\$1,328,576.49	
Excess Dworshak Funds into Main Revolving Development Account.....		\$2,141,136.98
TOTAL.....		\$17,074,326.37
Loans Outstanding:	Amount Loaned	Principal Outstanding

Aberdeen-Springfield Canal Company (WRB-491; Diversion structure)	\$329,761	\$198,967.51
Big Wood Canal Company (23-Jan-09; Thorn Creek Flume)	\$90,000	\$33,314.56
Boise City Canal Company (WRB-492)...18th St Canal Rehab	\$82,362	\$21,422.81
Boise City Canal Company (WRB-492)...Grove St Canal Rehab	\$110,618	\$62,125.33
Bonnie Laura Water Corporation (14-Jul-06; Well repairs)	\$71,000	\$46,273.64
Carlin Bay Property Owners Association	\$115,609	\$8,465.96
Challis Irrigation Company (28-Nov-07; river gate replacement)	\$50,000	\$35,474.42
Chaparral Water Association	\$90,154	\$22,735.64
Chaparral Water Association (21-Jan-11; Well deepening & imprevem	68,000.00	\$49,534.84
Cloverdale Ridge Water Corp. (Irrigation system rehab 25-sep-09)	106,400.00	\$83,979.88
Country Club Subdivision Water Association (18-May-07, Well Project)	\$102,000	\$67,563.71
Cub River Irrigation Company (18-Nov-05; Pipeline project)	\$1,000,000	\$881,018.35
Cub River Irrigation Company	\$500,000	\$429,457.19
Dalton Water Association (14-Mar-08; Water main replacement)	\$375,088	\$0.00
Deep Creek Property Owners Association	\$25,115	\$6,064.63
Enterprise Irrigation District (14-Jul-06; Pipeline project)	\$37,270	\$21,242.66
Enterprise Irrigation District (North Lateral Pipeline)	\$105,420	\$60,507.44
Evergreen Terrace Water Association (water study; 25-sep-09)	15,000.00	\$0.00
Firth, City of	\$112,888	\$47,434.70
Foothills Ranch Homeowners Association (7-oct-11; well rehab)	150,000.00	\$111,289.75
Garden Valley Ranchettes Homeowners Association (25-Jan-05)	2,716.00	\$1,928.48
Genesee, City of (Storage tank, 22-Jan-10)	250,000.00	\$170,517.05
Georgetown, City of	\$278,500	\$103,930.46
Harbor View Water & Sewer District (Combined Loans)	\$602,819	\$224,362.72
Hoyt Bluff Water Association (Rathdrum Prairie Well)	\$273,029	\$32,738.85
Jefferson Irrigation Company (well deepening)	\$207,016	\$72,728.09
Jefferson Irrigation Company (9-May-2008 Well Replacement)	\$81,000	\$71,530.68
Jughandle HOA/Valley County Local Improvement District No. 1 (well p	907,552	\$810,295.00
King Hill Irrigation District (24-Sep-10; Pipeline replacement)	300,000	\$161,434.51
Kulleyspell Estates Property Owners Assoc	\$219,510	\$6,178.26
Last Chance Canal Company (WRB-497)	\$500,000	\$181,760.75
Lake Reservoir Company (29-July-11; Payette Lake-Lardo Dam Outle	\$594,000	\$308,243.11
Lakeview Water District	\$45,146	\$4,301.08
Lava Hot Springs, City of	\$347,510	\$213,581.53
Lindsay Lateral Association (22-Aug-03)	\$9,600	\$4,274.14
Lindsay Lateral Association	19,800.00	\$19,700.00
Live-More Lake Community (9-Jun-04)	\$42,000	\$19,896.44
Lower Payette Ditch Company (2-Apr-04; Diversion dam replacement	\$875,000	\$465,632.00
Marsh Center Irrigation Company (13-May-05; Hawkins Dam)	\$236,141	\$163,043.88
Marysville Irrigation Company (18-May-07, Pipeline Project Phase 1)	\$625,000	\$414,501.22
Marysville Irrigation Company (9-May-08, Pipeline Project Phase 2)	\$1,100,000	\$721,216.76
Meander Point Subdivision Homeowners Association (7-Sep-07; comr	\$330,000	\$99,942.16
Meridian Heights Water & Sewer Association (18-May-07)	\$350,000	\$279,271.42
McGuire Estates Water Users Association (4-Mar-05)	\$60,851	\$36,385.34
Monument Ridge Homeowners Association (20-Mar-09; irrigation syst	\$360,000	\$56,136.14
Mores Creek Rim Ranches Water District	\$221,400	\$67,839.91
New Hope Water Corporation	\$151,460	\$63,411.06
Oakley Valley Water Company	\$138,331	\$24,302.66
PPRT Water System	\$70,972	\$29,901.31
Picabo Livestock Co (Picabo town water system new well)	\$38,000	\$0.00
Pinehurst Water District (14-mar-08; Water Storage tank)	\$160,000	75,349.03
Powder Valley-Shadowbrook Homeowners Assoc	\$201,500	\$5,039.12
Preston-Whitney Irrigation Company (29-May-09; Fairview Lateral Pipe	\$800,000	\$385,793.81
Producers Irrigation Company (17-Mar-06; well replacements)	\$185,000	\$80,197.32
Ranch Subdivision Property Owners Assoc	\$24,834	\$13,671.36
Riverside Independent Water District	\$350,000	\$198,952.97
Robertson Ditch Co	\$30,000	\$0.00
Skin Creek Water Association	\$188,258	\$117,423.09
Sourdough Point Owners Association (23-Jan-07; water supply & treat	\$750,000	\$119,394.77
Spirit Bend Water Association	\$92,000	\$55,438.11
Thunder Canyon Owners Association (6-Feb-04)	\$92,416	\$54,674.81
Twenty-Mile Creek Water Association	\$104,933	\$2,830.59
Twin Lakes Canal Company - Winder Lateral Pipeline Project (13-Jul-0	\$500,000	\$376,757.34
Twin Lakes Canal Company (2-Apr-04)	\$90,000	\$54,619.29
Twin Lakes-Rathdrum Fld Cont Dist (24-Oct-02; Twin Lakes Dam)	\$399,988	\$72,221.17
Whitney-Nashville Water Company	\$225,000	\$72,899.26
TOTAL LOANS OUTSTANDING		\$8,701,120.07
Loans and Other Funding Obligations:		
Senate Bill 1511 - Teton Replacement and Minidoka Enlargement Studies	\$778,161.82	
Weiser-Galloway Study (28-May-10)	\$1,922,739.62	
Canyon Creek Canal Company (14-Mar-08; Pipeline project)	\$133,599.00	
Chaparral Water Association (21-Jan-11; Well deepening & improvement)	\$18,465.16	
Clearwater Water District - pilot plant (13-Jul-07)	\$80,000.00	
Dover, City of (23-Jul-10; Water Intake project)	\$194,063.00	
Evergreen Terrace Water Association (water study; 25-sep-09)	\$1,316.09	
Foothills Ranch Homeowners Association (7-oct-11; well rehab)	\$38,710.25	
Garden Valley Ranchettes Homeowners Association (25-Jan-05)	\$8,183.69	
Jughandle HOA/Valley County Local Improvement District No. 1 (well project, 27-Jan-12)	\$97,257.00	
Lake Reservoir Company (29-July-11; Payette Lake-Lardo Dam Outlet Gates)	\$285,756.89	
Lindsay Lateral Association	\$15,300.00	
North Snake & Magic Valley GWD Loan - Mitigation Pipeline	\$250,000.00	
Portneuf Irrigating Company (29-July-11; Pipeline project)	\$1,300,000.00	
TOTAL LOANS AND OTHER FUNDING OBLIGATIONS		\$5,123,552.52
Uncommitted Funds		\$3,249,653.78
TOTAL		\$17,074,326.37

(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 May 31, 2012
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.....	\$119,751.04
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	\$4,496,765.85
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
Bonners 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 Tomar 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.....			\$120,566.57
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	Principal	
	Loaned	Outstanding	
Arco, City of.....	\$7,500	\$0.00	
Butte City, City of.....	\$7,425	\$1,969.94	
Roberts, City of.....	\$23,750	\$2,465.22	
Victor, City of.....	\$23,750	\$0.00	
TOTAL LOANS OUTSTANDING.....			\$4,435.16
Uncommitted Funds.....			\$4,755.86
CURRENT ACCOUNT BALANCE.....			\$120,566.57

Idaho Water Resource Board
Sources and Applications of Funds
as of May 31, 2012

SECONDARY AQUIFER PLANNING, MANAGEMENT, & IMPLEMENTATION FUND

Legislative Appropriation (HB 291, Sec 2).....	\$2,465,300.00
Interest Earned State Treasury (Transferred).....	\$21,875.79
Water Users Contributions.....	\$100.00
Conversion project (AWEP) measurement device payments.....	(\$4,319.29)
Contribution from GWD's for 2011 ESPA Managed Recharge	\$71,893.16
Contribution from GWD's for Revenue Bond Prep Expenses.....	\$14,462.50
Payment for Recharge.....	(\$80,000.00)

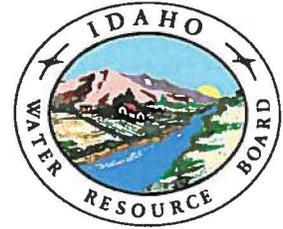
Committed Funds

Measurement devices for AWEP conversion projects.....	\$195,680.71
High Country RC&D Cloud Seeding	\$40,000.00
American Falls Res. Dist#2 - MP31 Recharge Site Engineering	\$6,000.00
Five-Year Managed Recharge Pilot Program	\$1,500,000.00
Contribution from GWD's for 2011 ESPA Managed Recharge	(\$8,106.84)
GWD Bond Preparatory Expenses.....	\$37,500.00
Idaho Irrigation District Recharge Phase 1.....	\$13,200.00
Fremont-Madison irrigation District Egin Recharge.....	\$38,465.50

Total Committed Funds..... **\$1,822,739.37**

TOTAL UNCOMMITTED FUNDS..... **\$666,572.79**

CURRENT ACCOUNT BALANCE..... **\$2,489,312.16**



MEMO

To: Idaho Water Resource Board
From: Stuart Van Greuningen
Date: July 9, 2012
Subject: Consolidated Irrigation Company – Pipeline with hydro- plant

Action Item: \$1,500,000 loan request

1.0 INTRODUCTION

The Consolidated Irrigation Company (CIC) is requesting a \$1,500,000 loan at 5% interest with a 20 year term as a match for, the U.S. Bureau of Reclamation grant of \$1,468,181. The loan will be used to convert 6 miles of unlined canal to 3.5 miles of pressurized pipeline with a small hydro-plant at the end. It is estimated that the water savings from the installation of the pipeline will be approximately 9500 acre-feet per year upon project completion.

2.0 BACKGROUND

The CIC is located in the Preston, Idaho area. It was formed in May of 2012 through the consolidation of the Preston & Whitney Reservoir Company, the Preston-Whitney Irrigation Company, and the Preston Riverdale and Mink Creek Canal Company. The newly formed company includes the reservoirs of Glendale, Foster, and Lamont. The main delivery canals for CIC are the North Lateral, Eastside Ditch, the Fairview Lateral, and the Johnson Reservoir Ditch. CIC rents a canal through an agreement with the Cub River Irrigation Company, called the Middle Ditch. Through the consolidated system of canals and reservoirs, CIC delivers water to 456 share holders irrigating 17,000 acres.

Canals in this area typically have infiltration losses estimated at 35 – 40%. Canal losses in this area cause problems by raising the water table which effect the operation of septic systems, causes flooding of basements, and can delay construction projects.

3.0 PROPOSED PROJECT

The project would convert 6 miles of winding canal to 3.5 miles of gravity pressurized HDPE pipeline with a small hydro-facility at the end. It is estimated that the pipeline will save 9484 acre-feet of water per year. As part of the project an inline magnetic meter will be installed and maintained by CIC at each service connection. Additionally automation will be added to the inlet structure of the Cub River pipe for protection of the pipe during icing conditions. A small hydro-facility will be placed at the end of the pipeline having a 500 kW turbine. It is expected that the turbine will generate 2.5 million kilowatt hours per year.

Estimated costs for the project are as follows:

Description	Project Costs
HDPE pipe	\$872,718
Installation of pipe & fitting	\$407,000
Diversion dam	\$20,000
Hydro facility and equipment	\$762,700
Contingencies (mobilization, engineering, etc.)	\$937,582
TOTAL	\$3,000,000

Summary of Participation

Grant from Bureau of Reclamation	\$1,468,161
Idaho Water Resource Board	\$1,500,000
Consolidated Irrigation Company	\$31,839
TOTAL	\$3,000,000

4.0 BENEFITS

This project will benefit CIC by reducing water losses that are occurring in the unlined canal. Water savings from the project will be used to shore up irrigation deliveries in times of drought conditions or sold to other irrigation districts or municipalities in the area under normal conditions. The hydro-facility will provide CIC with a secondary source of revenue.

5.0 FINANCIAL ANALYSIS

CIC is requesting a loan of \$1,500,000 at 5% interest for 20 years. Since the Boards current interest rate is 5.5% for this type of project the following analysis reflects that rate.

Payment Analysis

Term	Estimated Annual Payment - Revolving Account Loan	Current Assessment Cost /Share/ Year	After Assessment Cost /Share/Year
10 years	\$199,001	\$5.80	\$17.51
15 years	\$149,438	\$5.80	\$14.59
20 years	\$125,519	\$5.80	\$13.18
25 years	\$111,824	\$5.80	\$12.38

Note: Calculations in this Table are based on the number of shares of which there are a total of 40,900. Should the Board decide to go with the 5% interest rate requested the estimated payment for each of the terms shown would decrease by approximately \$5,000.

Financial Ratios

The financial ratios are based on the combined data of all companies prior to the consolidation.

Indicator	Before Project	10-year term	15-year term	20-year term	25-year term
Revenues/Expenses Strong: greater than 1.20 Average: 1.0 – 1.2 Weak: less than 1.0	2.44 (Strong)	1.03 (Average)	1.03 (Average)	1.03 (Average)	1.03 (Average)
Debt Service Coverage Ratio Strong: 1.20 or greater Average: 1.0 – 1.20 Weak: less than 1.0	1.20 (Strong)	1.10 (Average)	1.13 (Average)	1.15 (Average)	1.17 (Average)
Cash Reserves/Annual Expenses Strong: greater than 1.0 Average: 0.5 – 1.0 Weak: less than 0.5	1.44 (Weak)	0.72 (Weak)	0.70 (Weak)	0.69 (Weak)	0.6 (Weak)
Debt per Acre Strong: less than \$10/Acre Average: \$10 – \$20/Acre Weak: greater than \$20/Acre	\$11.75 (Average)	\$16.62 (Average)	\$15.41 (Average)	\$14.82 (Average)	\$14.48 (Average)
Overall Rating	Average+	Average	Average	Average	Average

Note: Financial Ratio calculation is based on the number of acres serviced (17,000 acres).

Loan history with companies before consolidation:

Previous

Preston-Whitney Reservoir Company – Loan for \$200,000 paid off early

Preston Riverdale and Mink Creek – Loans for: \$100,000 & \$300,000 paid off early

Currently

Preston –Whitney Irrigation Company received a loan with the Board for \$800,000 in 2009. The loan is scheduled to be paid off in 2025. Preston-Whitney has been making additional payments toward the loan principle to pay the loan off earlier. Using the current repayment rate it is estimated that the remainder of the loan would be paid off in 4 to 5 years.

6.0 WATER RIGHTS

CIC water right is as follows:

CONSOLIDATED IRRIGATION CO. WATER RIGHTS

	Water Right No.	Priority Date	Source	Tributary To	Beneficial Use	Individual Diversion Rate Limitation (cfs)	Combined Diversion Rate Limitation (cfs)	Volume Limitation (AFA)	Point of Diversion	Individual Acre Limitation	Combined Acre Limitations			
NATURAL FLOW	13-2	4/1/1882	Cub River	Bear River	Irrigation	30	2000	2000	Glendale Canal and Middle Ditch	9100	12431			
	13-3	4/1/1882	Cub River	Bear River	Irrigation	75			Glendale Canal and Middle Ditch	9331				
	13-2104	3/14/1924	Cub River	Bear River	Irrigation	25			Glendale Canal and Middle Ditch	8410				
	13-271	5/7/1880	Worm Creek	Cub River	Irrigation	50			2000	SESW, Sec. 8, 155, 40E	10449			
	13-143	4/1/1929	Springs	Worm Creek	Irrigation	5			2133	Springs, SWSW Sec. 8, 155, 40E				
	13-2103	3/14/1924	Worm Creek	Cub River	Irrigation	25			10662	SESW, Sec. 8, 155, 40E				
	13-2302	1/9/1962	Cub River	Bear River	Irrigation, Irrigation from Storage	6.8			2282 (Irr.) 730 (Stor., Irr. from Stor.)	NWNE, Sec. 20, 155, 40E	1226	15444.2		
	13-7747	5/1/1888	Mink Creek	Bear River	Irrigation	30.13			SWNESE, Sec. 28, 135, 41E	3013				
	13-35	1/1/1882	No sources found for these rights, but presumably out of Cub River because these rights are listed in the McEwan Decree.		Stockwater, Domestic	4					Not Specified in decree			
	13-36	1/1/1882			Stockwater, Domestic	3					Not Specified in decree			
	13-37	1/1/1882			Stockwater, Domestic	2					Not Specified in decree			
	13-38	1/1/1882			Stockwater, Domestic	3					Not Specified in decree			
	<p>The natural flow water rights from <u>Cub River</u> total <u>98.8 cfs</u>. The natural flow water rights from <u>Worm Creek</u> total <u>75 cfs</u>. The natural flow water rights from <u>Springs</u> tributary to Worm Creek total <u>5 cfs</u>. The natural flow water rights from <u>Mink Creek</u> total <u>30.13 cfs</u>. The GRAND TOTAL of all natural flow rights is 208.93 cfs.</p>													
	STORAGE RIGHTS	FOSTER RESERVOIR												
13-2298		2/11/1957	Cub River	Bear River	Irrigation Storage, Irrigation from Storage			3355	Glendale Canal	4708.7				
LAMONT RESERVOIR														
13-2291		6/30/1947	Cub River	Bear River	Irrigation Storage, Irrigation from Storage			2407.5	Glendale Canal	3938				
JOHNSON RESERVOIR														
13-2022		9/17/1910	Worm Creek	Cub River	Irrigation, Irrigation Storage, Diversion to Storage	10	20	4265 (Irr.) 620 (Irr. Stor.)	NWSE, Sec. 10, 155, 40E	1559				
13-2102		9/18/1923				10		4266 (Irr.) 730 (Irr. Stor.)						
13-2287		9/18/1923				10		4267 (Irr.) 730 (Irr. Stor.)						
GLENDALE RESERVOIR														
13-2288		3/14/1924	Worm Creek	Cub River	Irrigation Storage, Irrigation from Storage, Diversion to Storage	215	6000	NESESW, Sec. 8, 155, 40E	15708.9	Storage water from these rights can be used to irrigate an additional 264.9 acres beyond the 15444.2 combined limitation on the rest of the water rights.				
13-2288A	12/15/1924	Cub River	Bear River	Glendale Canal										
13-2108	12/15/1924	Worm Creek	Cub River	NESESW, Sec. 8, 155, 40E										

7.0 SECURITY

CIC is offering its water and storage rights, and all materials associated with this project as collateral should this loan be approved.

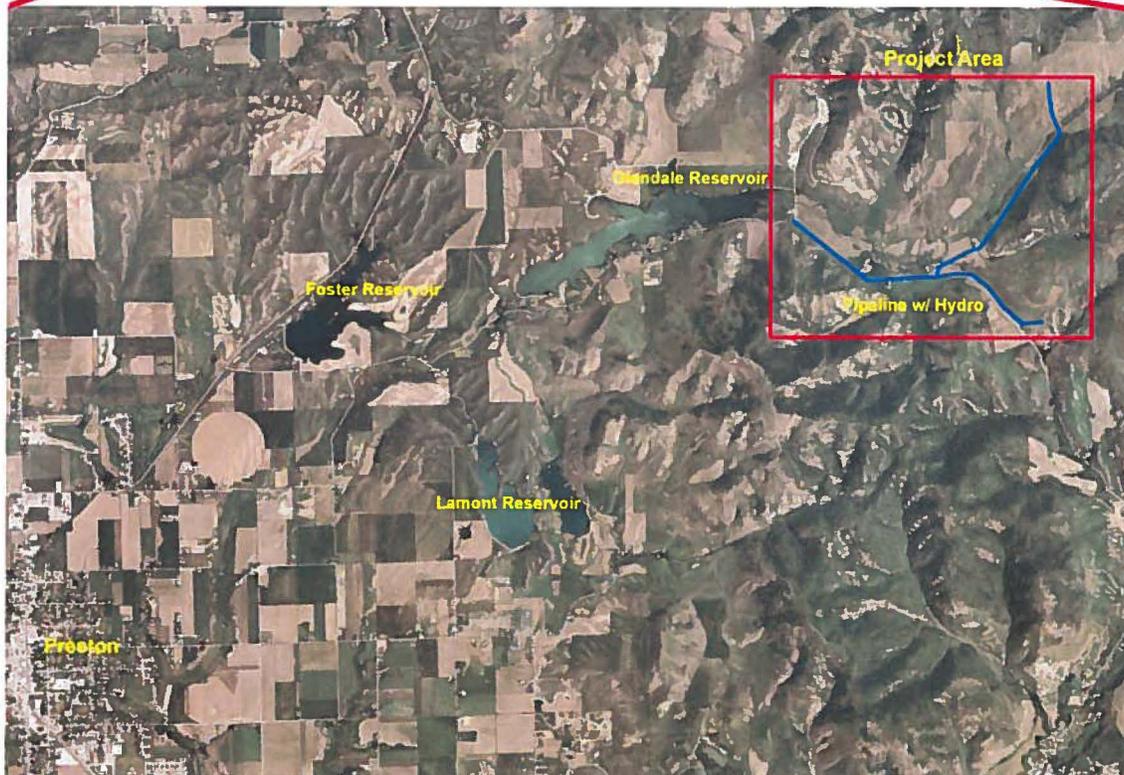
8.0 CONCLUSION AND RECOMMENDATION

This loan will be used to convert 6 miles of unlined canal to 3.5 miles of pressurized pipeline with meters at each delivery point and have a small hydro-facility at the end.

Staff sees the project as a good project. However the Board has generally not funded hydro-facilities and will need to make a policy decision on whether to include the hydro-facility. The Board has several alternatives to consider as to the disposition of the loan:

1. Approve the loan as is with the hydro-facility.
2. Approve the loan for just the part that would be associated with the water delivery and enhancements to the system. This would reduce the amount requested by \$400,000 making the loan for \$1,100,000.
3. Disapprove the loan.

Map of Project Area



BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE)
CONSOLIDATED IRRIGATION COMPANY) A RESOLUTION TO MAKE
) A FUNDING COMMITMENT
)

WHEREAS, the Consolidated Irrigation Company (Consolidated) has submitted an application to the Idaho Water Resource Board (IWRB) requesting a loan in the amount of \$1,500,000; and

WHEREAS, Consolidated currently provides irrigation water to 17,000 acres in Franklin County through storage in Glendale, Foster, and Lamont reservoirs and a series of canals; and

WHEREAS, the proposed canal has seepage losses of up to 40%; and

WHEREAS, Consolidated is requesting funds to install a gravity pressurized pipeline; and

WHEREAS, Consolidated will use the funds as match for a Water Smart grant from BOR; and

WHEREAS, Consolidated is a qualified applicant and the proposed project qualifies for a loan from the Revolving Development Account; and

WHEREAS, the proposed project is in the public interest and in compliance with the State Water Plan.

NOW THEREFORE BE IT RESOLVED that the IWRB approves a loan not to exceed \$_____ from the Revolving Development Account at _____% interest with a _____ year repayment term and provides authority to the Director of the Idaho Department of Water Resources, to enter into contracts with the Company on behalf of the IWRB.

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

- 1) Consolidated shall comply with all applicable rules and regulations that apply to the proposed project.
- 2) Consolidated shall provide acceptable security for the loan to the IWRB including but not limited to Consolidated's water rights and facilities.

DATED this 20th day of July, 2012.

ROGER W. CHASE, Vice Chairman
Idaho Water Resource Board

ATTEST _____
BOB GRAHAM, Secretary

STATE OF IDAHO

Idaho Water Resource Board

322 East Front Street
PO Box 83720
Boise, ID 83720
Phone (208) 287-4800
Fax (208) 287-6700



To: Idaho Water Resource Board
From: Stuart Van Greuningen
Date: July 9, 2012
Subject: Point Springs Grazing Association – Pipeline

Action Item: \$48,276.62 loan request

1.0 INTRODUCTION

The Point Springs Grazing Association (Association) is requesting a \$48,276.62 loan to replace an existing 6 miles of pipeline. The pipeline is located on BLM ground in the Meadow Creek Canyon and is used for the watering of livestock.

2.0 BACKGROUND

The Association headquarters is located Declo, ID. The Association is a group of 6 ranchers that pasture cattle in the Meadow Creek Canyon which is located approximately 36 miles southeast of Declo. The Association has a 2379 Animal Unit Month (AUM) allotment from BLM which allows it to graze approximately 550 head of cattle during the summer months on the 13,000 acres. The water supply for the livestock comes from a well which feeds a 6 mile long pipeline servicing approximately 11 watering stations.

The existing pipeline which delivers the water to the livestock watering stations has passed its useful life and is leaking. Members have spent numerous days this year to repair the pipeline only to find that once one area is repaired another area fails. The Association is currently getting by with the patched pipeline but needs to replace it soon.

3.0 PROPOSED PROJECT

The proposed project is to replace 6 miles leaking of 1 ½” pipeline with 1 ½” HDPE pipe. The new pipeline will be trenched next to the existing pipeline so as not to interrupt service.

4.0 FINANCING AND ESTIMATED COST

Point Springs Grazing Association is requesting funding in the amount of \$48,276.62 based on an estimate that they received from a local supplier/installer of HDPE pipe.

Assuming \$48,276.62 at 5.5% for 10 years:

Estimated Annual Payment to IWRB	Estimated Cost per AUM
\$6,435	\$2.70/year

5.0 THE ASSOCIATION

Grazing Associations are organized very similar to canal companies. They construct, operate, and maintain capital works for the mutual benefit of their members. The last time the IWRB worked with a grazing association was in 2000. The project was to construct a new well for livestock water for Point Springs Grazing Association. The previous loan with the Point Springs Grazing Association was paid off as scheduled with no late or short payments.

The Point Springs Grazing Association consists of 6 members who graze the Meadow Creek Allotment. The Association's ongoing expenses include water system maintenance, the power bill for the well pump, and the assessment to the BLM. Expenses are pro-rated among the members based on the number of AUM's each member has.

6.0 OTHER FACTORS

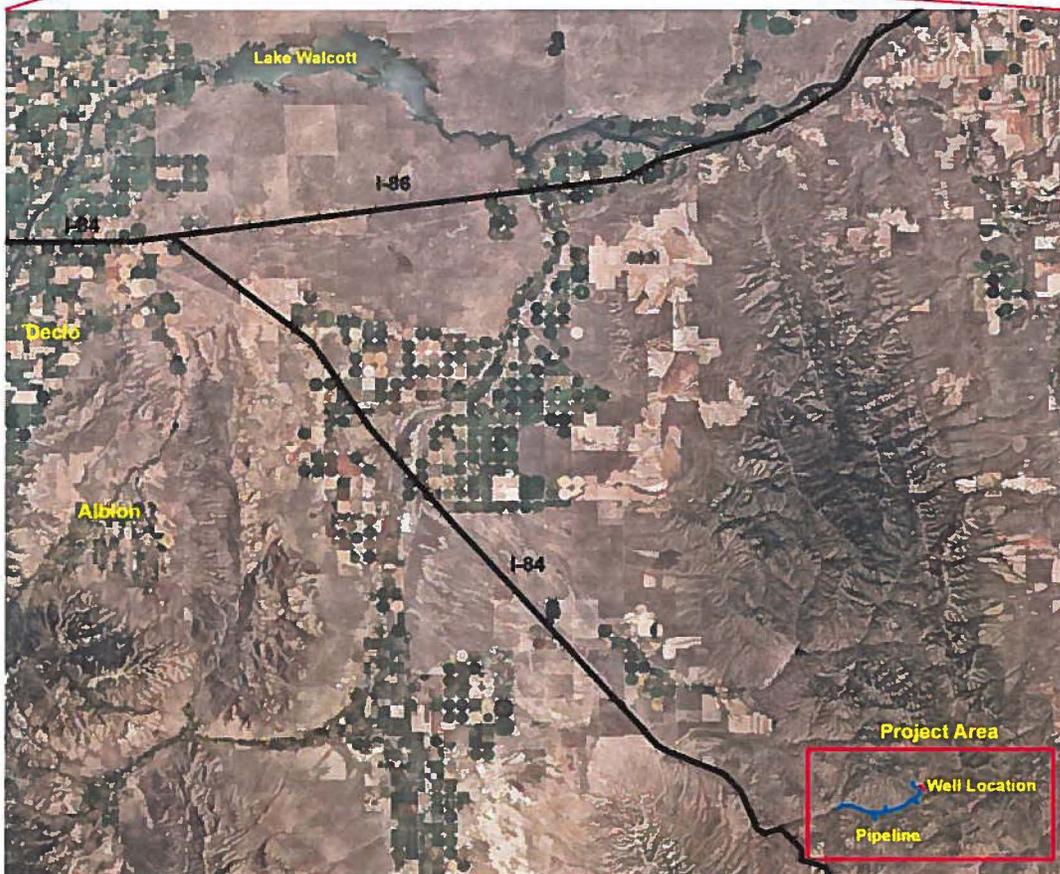
The Association grazes cattle on BLM ground. The Association is responsible for constructing, operating, and maintaining the works it needs to graze the ground, however, the United States Government maintains that it owns all improvements constructed on these grazing allotments, and also claims the water rights developed on grazing allotments. This complicates this project because normal IWRB practice to hold a lien on the project constructed with IWRB funds and on the project water rights. Staff has been advised by the AG's office to hold a lien on the well pump and motor, as these can be removed from the well. The AG's office also recommended a lien be put on the pipeline.

There is no water right associated with this well. IDWR does not require a Water Right because less than 13,000 gallons per day are withdrawn. This falls under the domestic exemption which is defined as: "water for homes, organization camps, public campgrounds, **livestock** and for any other purpose in connection therewith, including irrigation of up to one-half acre of land, if the total use is not in excess of 13,000 gallons per day,".

7.0 CONCLUSION AND RECOMMENDATION

The funding requested by the Point Springs Grazing Association is to be used to replace the existing supply line for stock watering.

Staff recommends funding the project for \$48,276.62 at 5.5% for a ten year term.



BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE)
POINT SPRINGS GRAZING ASSOCIATION)
_____)
A RESOLUTION TO MAKE
A FUNDING COMMITMENT

WHEREAS, as the Point Springs Grazing Association (Association) has submitted an application to the Idaho Water Resource Board (Board) requesting a loan in the amount of \$48,276.62; and

WHEREAS, the Association operates and maintains a stock watering system for its members who graze approximately 550 head of cattle; and

WHEREAS, the Association’s stock water distribution pipeline is leaking and in need of repair; and

WHEREAS, these funds would be used to replace the leaking pipeline; and

WHEREAS, the Association is a qualified applicant and the proposed project qualifies for a loan from the Revolving Development Account; and

WHEREAS, the proposed project is in the public interest and in compliance with the State Water Plan.

NOW THEREFORE BE IT RESOLVED that the Board approves a \$_____ loan from the Revolving Development Account, at _____% interest with a _____ year repayment term, and the Board provides authority to the Director of the Idaho Department of Water Resources to enter into contracts with the Association on behalf of the Board.

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

- 1. The Association shall provide security for the loan that is acceptable to the Board.
- 2. The Association shall comply with all applicable rules and regulations that apply to the proposed project.

DATED this 20th day of July, 2012.

ROGER W. CHASE, Vice Chairman
Idaho Water Resource Board

ATTEST _____
BOB GRAHAM, Secretary

Memorandum



To: Idaho Water Resource Board
From: Helen Harrington
Date: July 6, 2012
Re: Rathdrum Prairie Comprehensive Aquifer Management Plan (RP CAMP) Update

No action required.

The Rathdrum Prairie CAMP Advisory Committee (AC) met on May 23. Since this was the first AC meeting since the approval of the RP CAMP by the legislature, the meeting covered both administrative concerns and implementation issues. Board Member Bob Graham and Interim Director Gary Spackman attended the meeting. The meeting also included a presentation by Ken Neeley (IDWR) on the status of water monitoring program in the region, and Mat Weaver (IDWR) discussed Municipal Water Rights Act.

The RP CAMP calls for the AC to continue to provide the IWRB with guidance and recommendations. The members present at the meeting demonstrated a strong willingness to continue in this role and are enthusiastically looking forward to implementing RP CAMP. They were pleased to learn of the Board's decision to establish a funding pool to draw from for implementation activities. As of June 12, 2012, the subaccount has \$112,000.

An AC meeting will be held on July 16 to continue the implementation discussion.

Bi-State Coordination

IDWR Interim Director Spackman and staff attended a meeting with Washington Department of Ecology staff on May 24. A memorandum of agreement signed in 2007 between the agencies directs that periodic meetings be held to communicate on water issues. These meetings are approximately semi-annual and provide the agency heads and staff to discuss activities of interest to both states and work on resolving possible conflicts. Although not directly a component of RP CAMP, there is significant overlap between these meetings and RP CAMP implementation. Topics discussed included the RP CAMP approval, the Northern Idaho Adjudication and other water right issues.

Memorandum



To: Idaho Water Resource Board
From: Helen Harrington
Date: July 6, 2012
Re: Treasure Valley Comprehensive Aquifer Management Plan (TV CAMP)

No action necessary.

At the May Board meeting, the Board accepted the Proposed TV CAMP for public comment. A public comment period is planned for August 1 through September 30. In addition to the submission of written comments, two public hearings are planned. The schedule is as follows:

Caldwell	Monday, September 10, 6-8 p.m.
Boise	Tuesday, September 11, 6-8 p.m.

Each hearing will be preceded by an informational meeting at which a brief presentation will be made by staff and questions will be answered.

Memorandum

To: Idaho Water Resource Board
From: Helen Harrington
Date: July 6, 2012
Re: Idaho State Water Plan



No action necessary.

At the May Board meeting, the Board accepted for public comment the recommended Proposed Revisions of the Idaho State Water Plan from the Water Resource Planning Committee. The Proposed Revisions are scheduled to be presented to the public through informational meetings and public hearings will be held to obtain testimony on the proposed revisions. The following schedule has been finalized and distributed:

Mtg #	Date	Time	Location	City
1	July 18	6:00 pm – 8:00 pm	CSI Campus, Taylor Bldg, Rm #277	Twin Falls
2	August 13	11:00 am – 1:00 pm	US Forest Service Bldg, 1206 S Challis St	Salmon
3	August 16	11:00 am – 1:00 pm	Caribou County Extension, 53 E First S	Soda Springs
4	August 16	4:00 pm – 6:00 pm	City Council Chambers, City Annex, 680 Park Ave	Idaho Falls
5	August 30	6:00 pm – 8:00 pm	Idaho Water Center, Conf Rms 602C&D	Boise
6	Sept. 6	6:00 pm – 8:00 pm	Location TBD	Lewiston
7	Sept. 12	11:00 am – 1:00 pm	Coeur d'Alene Library Community Room	Coeur d'Alene

A 90-day public comment period commenced on June 18 and will close on September 21, 2012. Comments can be submitted at the hearings, via e-mail, or by mail.

Upon completion of these meetings and closure of the public comment period, the Committee will convene to consider the comments and testimony received. The Committee will then submit final recommendations to the Board to consider for adoption and submission to the Idaho Legislature.



Prioritization of Aquifer Recharge Sites Based on Hydrologic Benefits

- Additional Analysis

Presented by Mike McVay

July 20, 2012



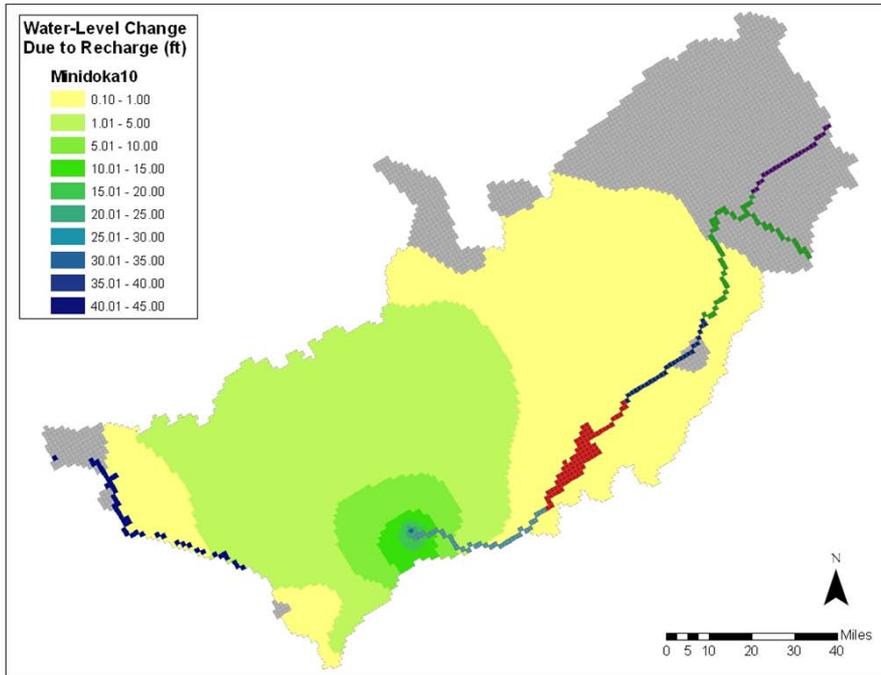
This presentation summarizes modeling efforts and analysis that are based on work performed by Dr. Johnson.

Prioritization of Aquifer Recharge Sites Based on Hydrologic Benefits

Prepared for the
Idaho Department of Water Resources
and
Idaho Water Resource Board

by
Gary S. Johnson
Idaho Water Resources Research Institute
University of Idaho, Dept. of Geological Sciences
April, 2012

Previously...



The Priority List

Canal	7A	7B
SWID	0.96	1.4
Lake Walcott Recharge Site	0.43	1.5
Northside Canal	0.4	1.3
Milner Gooding Canal	0.37	1.4
Shoshone Recharge Site	0.33	1.3
Milepost 31	0.33	1.3
Egin	0.17	0.4
New Sweden	0.1	0.6
Idaho	0.1	0.6
Snake River Valley	0.09	0.5
Fremont Madison West	0.09	0.3
Hilton Spill	0.08	0.4
Peoples	0.08	0.4
Aberdeen Springfield	0.07	0.4
United	0.07	0.4
Riverside	0.06	0.4
Great Feeder	0.06	0.4
Jensen's Grove	0.05	0.3
Fremont Madison East	0.04	0.2

“The long-term objective of the [ESPA Comprehensive Aquifer Management] Plan is to incrementally achieve a net ESPA water budget change of 600 thousand acre-feet annually.”

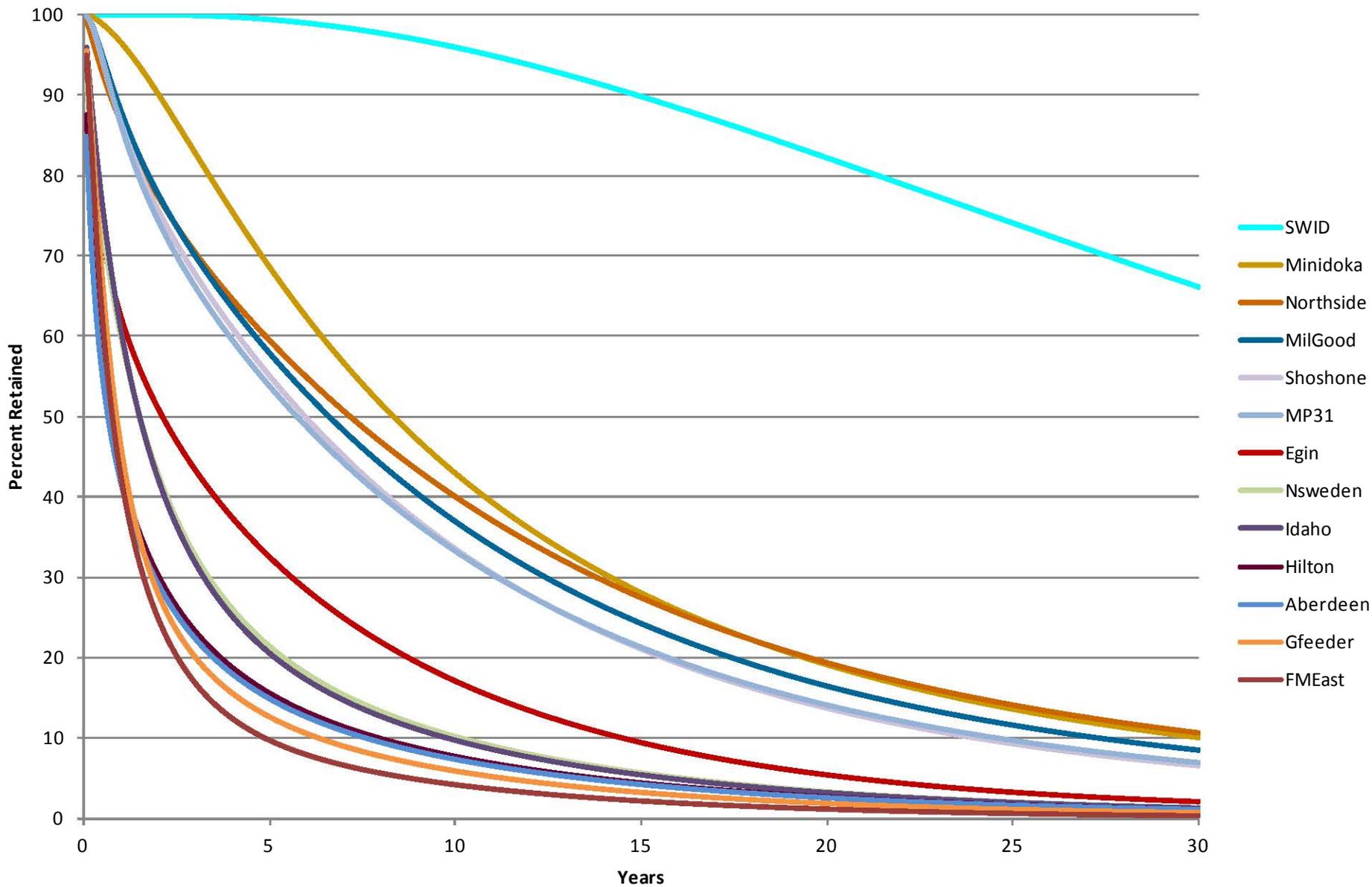
Recharge Prioritization – Additional Analysis

1. Aquifer retention of one-month recharge at requested sites.
2. Additional modeling of continuous 100,000AF recharge at requested sites.
3. Modeling of actual 2007-2011 managed recharge.
4. Analysis of actual 2007-2011 managed recharge.

Requested Recharge Locations

Canal/Site	Explanation
Aberdeen Springfield	Included
Egin	Included
Fremont Madison East	Included
Fremont Madison West	Similarity to nearby sites
Great Feeder	Included
Hilton Spill	Included
Idaho	Included
Jensen's Grove	Similarity to nearby sites
Lake Walcott Recharge Site	Included
Milepost 31	Included
Milner Gooding Canal	Included
New Sweden	Included
Northside Canal	Included
Peoples	Similarity to nearby sites
Riverside	Similarity to nearby sites
Shoshone Recharge Site	Included
Snake River Valley	Similarity to nearby sites
SWID	Included
United	Similarity to nearby sites

Percent of Recharge Volume Retained in Aquifer - One Month Recharge Event

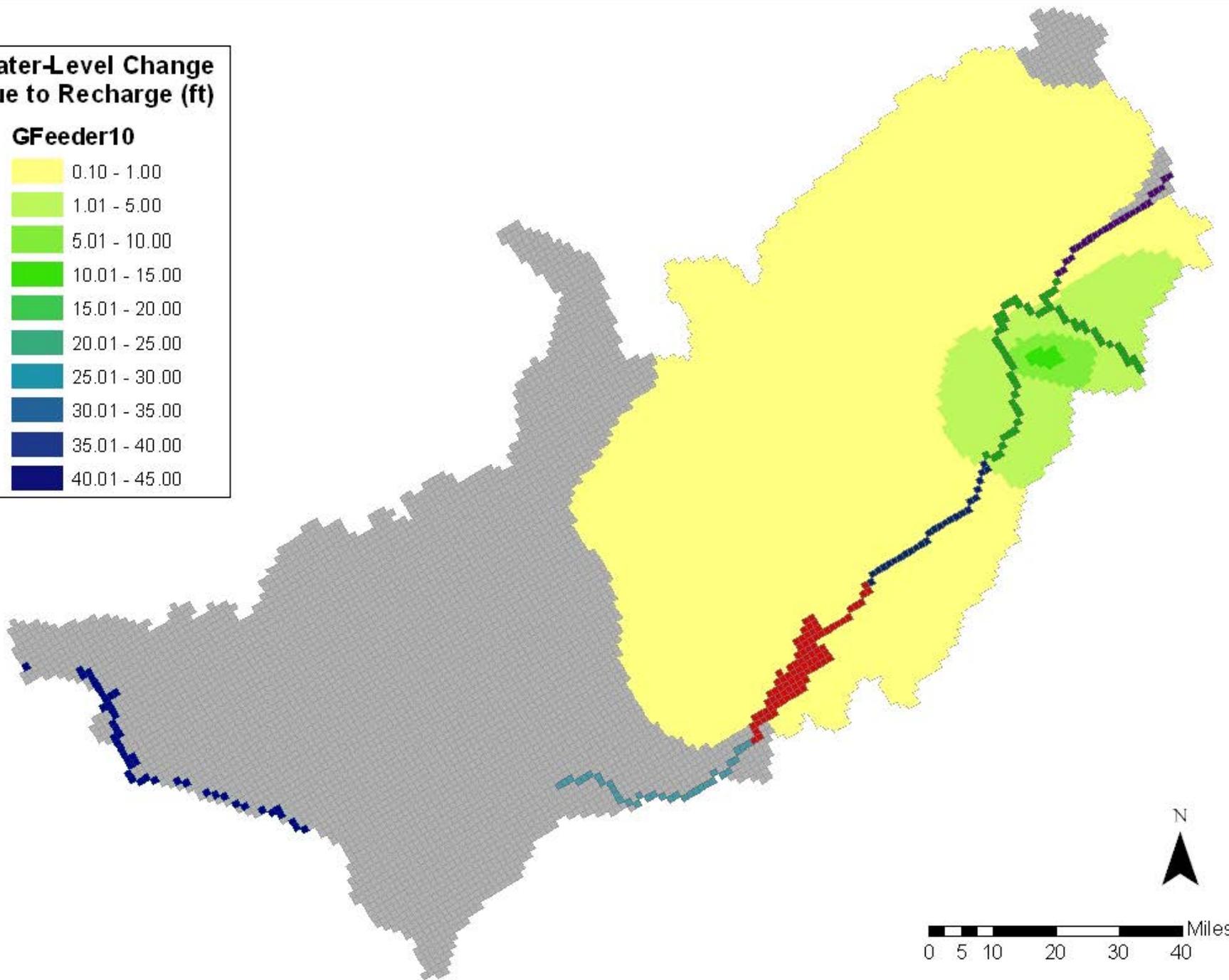
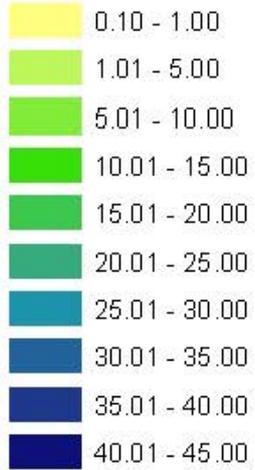


100,000 AF continuous Recharge at requested locations.

1. Great Feeder Canals
2. Hilton Spill
3. Southwest Irrigation District

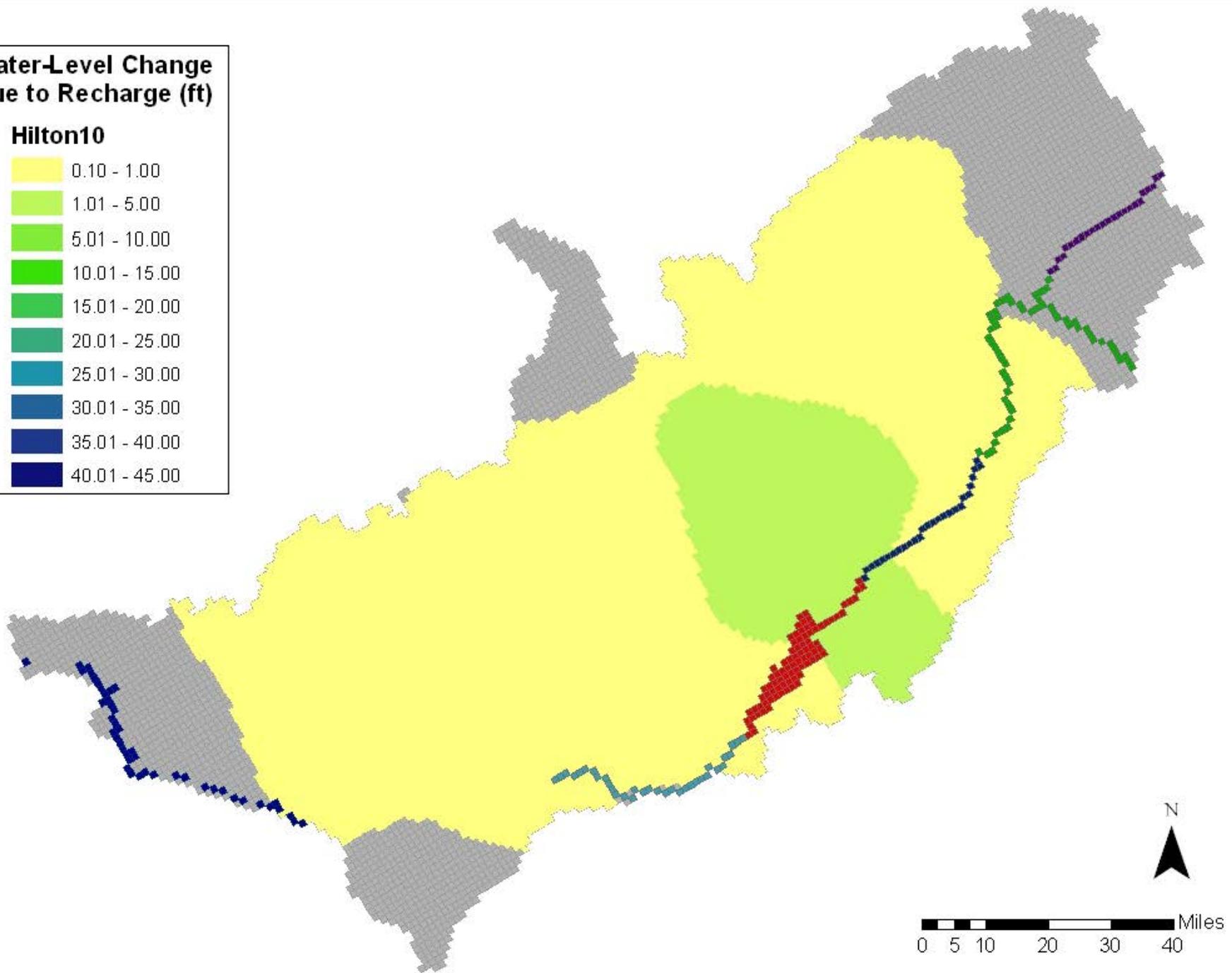
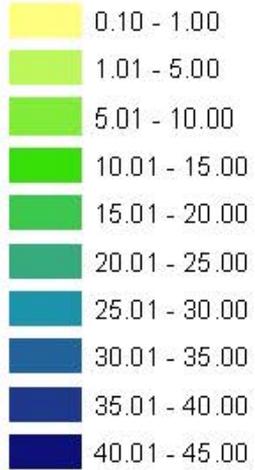
**Water-Level Change
Due to Recharge (ft)**

GFeeder10



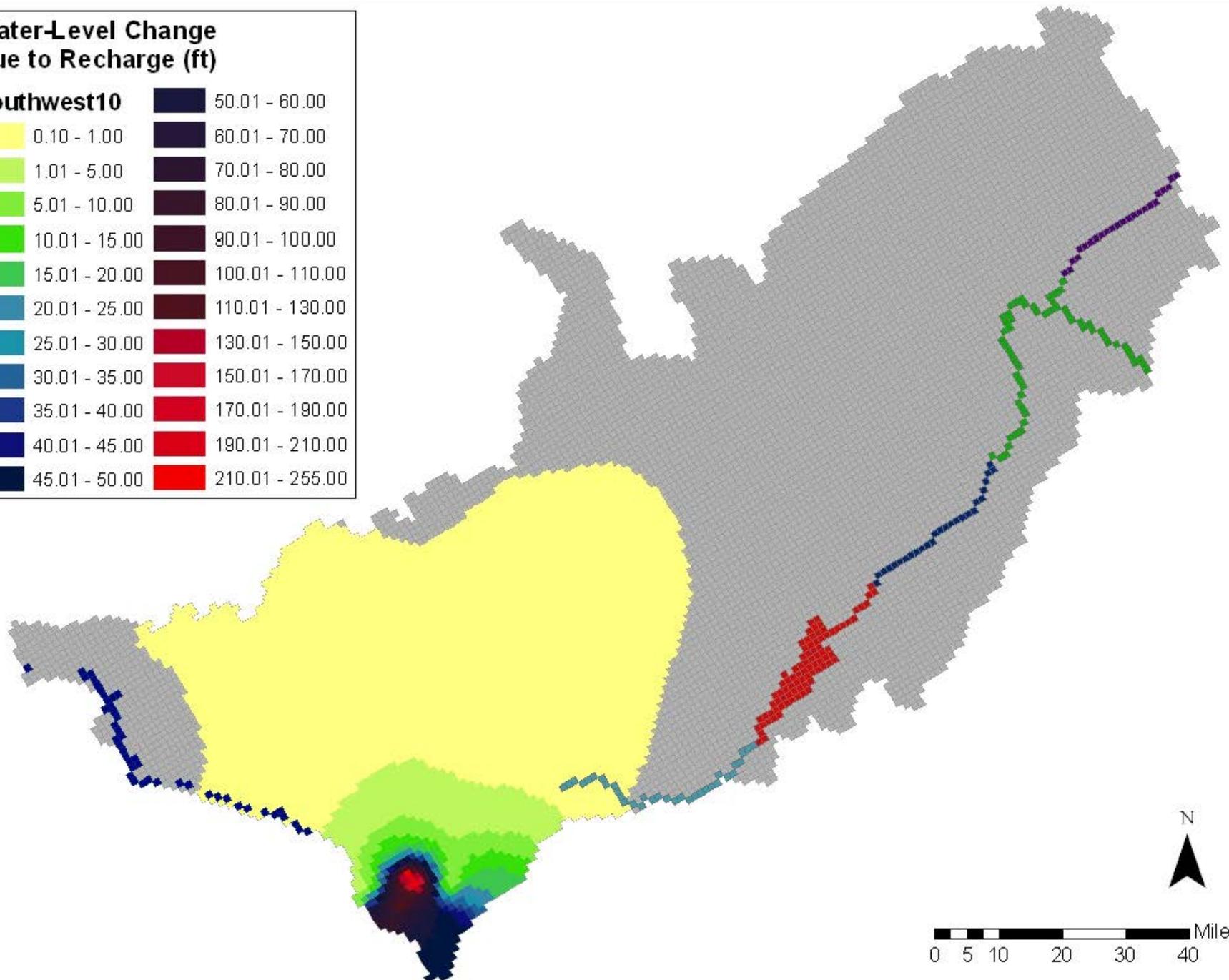
**Water-Level Change
Due to Recharge (ft)**

Hilton10

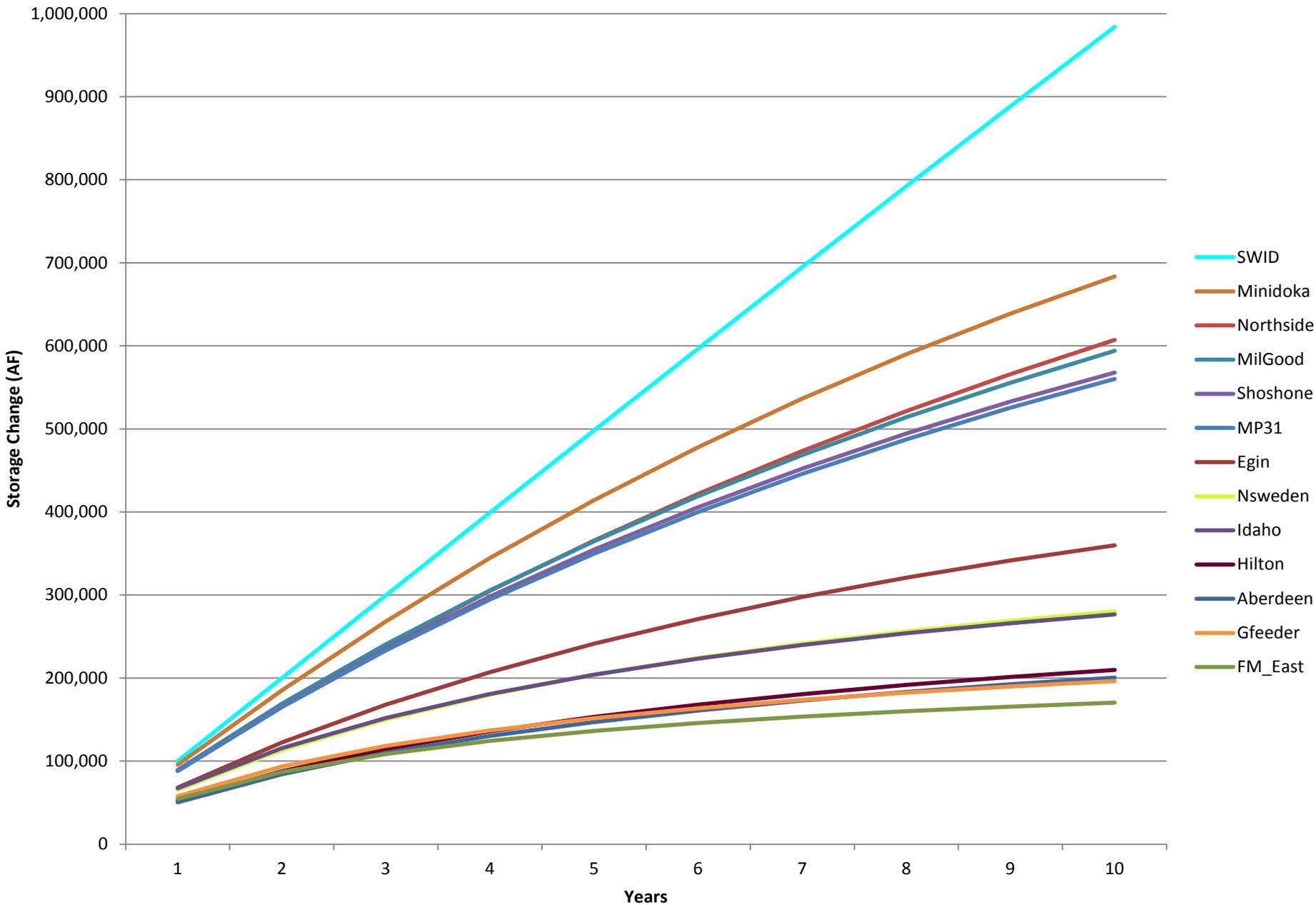


Water-Level Change Due to Recharge (ft)

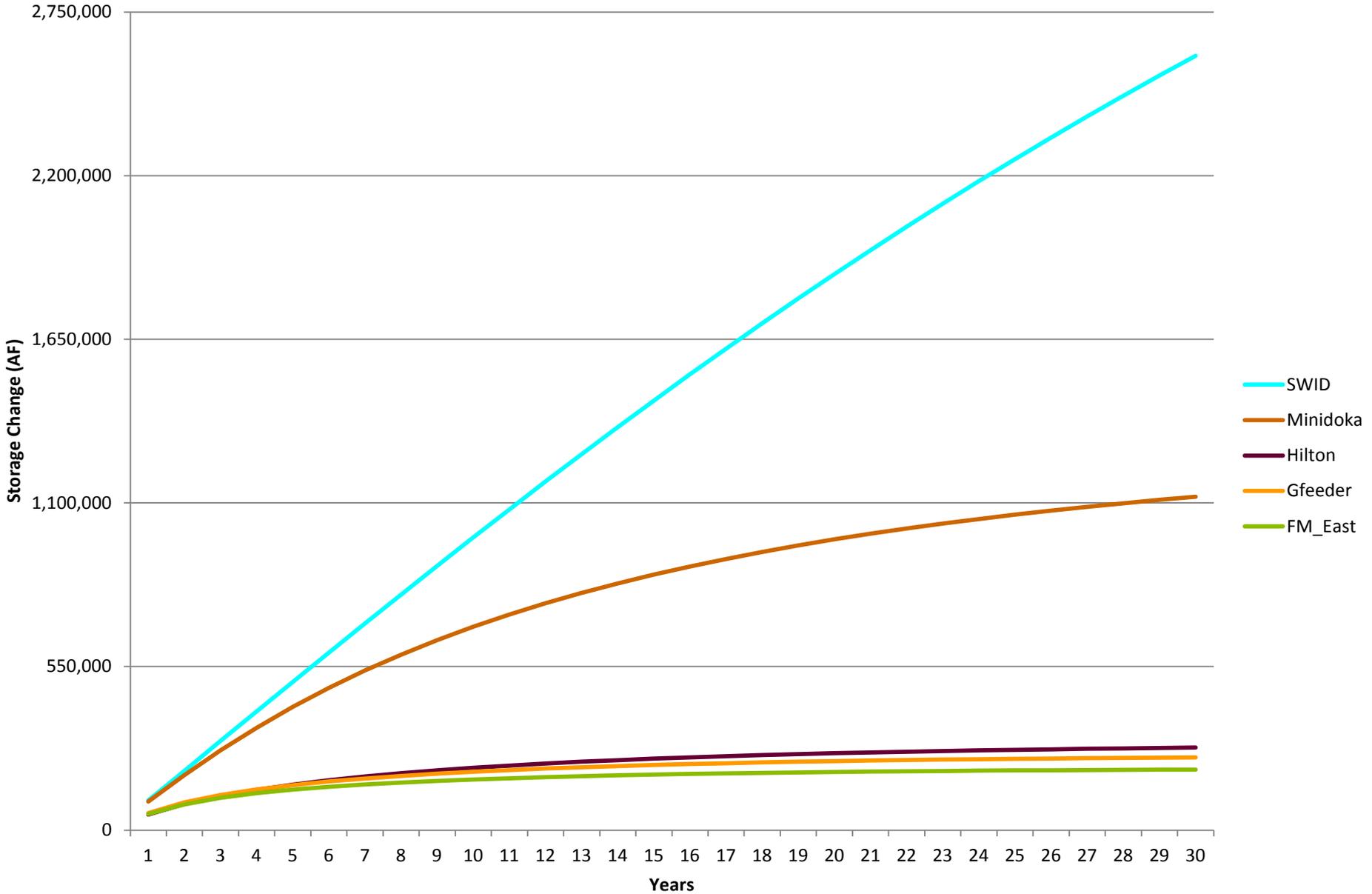
Southwest10



ESPA Storage Change Due to Continuous Recharge of 100,000 AF/yr



ESPA Storage Change Due to Continuous Recharge of 100,000 AF/yr: 30 Years

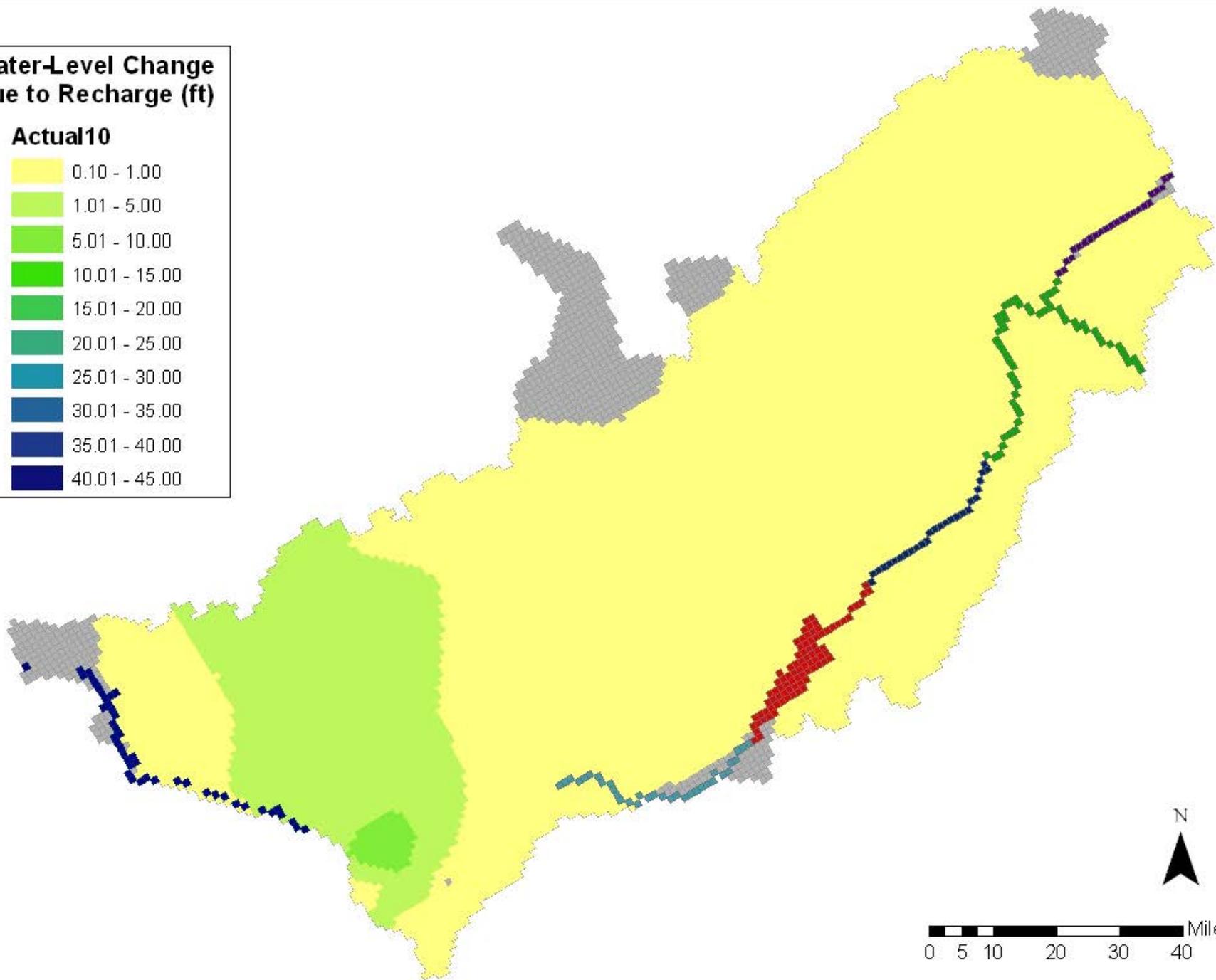
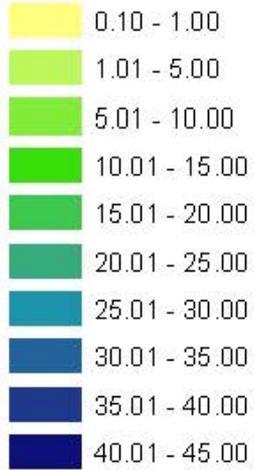


Actual Managed Aquifer Recharge 2007-2011

- 2007-2011 Total Recharge \approx 390,000 AF.
 - Includes Mitigation Recharge \approx 81,000 AF.
 - Excludes Big Wood Recharge \approx 3,000 AF.
- Model was run for TEN years. Actual Recharge 2007-2011; repeated for 2012-2017.
- Additional model runs to evaluate relative recharge effectiveness.

**Water-Level Change
Due to Recharge (ft)**

Actual10



0 5 10 20 30 40 Miles

Recharge Analysis Runs

To evaluate the relative responses to recharge, separate model runs were conducted for priority sites (above dashed line) and for non-priority sites (below dashed line).

Canal	7A	7B
SWID	0.96	1.4
Lake Walcott Recharge Site	0.43	1.5
Northside Canal	0.4	1.3
Milner Gooding Canal	0.37	1.4
Shoshone Recharge Site	0.33	1.3
Milepost 31	0.33	1.3
Egin	0.17	0.4
New Sweden	0.1	0.6
Idaho	0.1	0.6
Snake River Valley	0.09	0.5
Fremont Madison West	0.09	0.3
Hilton Spill	0.08	0.4
Peoples	0.08	0.4
Aberdeen Springfield	0.07	0.4
United	0.07	0.4
Riverside	0.06	0.4
Great Feeder	0.06	0.4
Jensen's Grove	0.05	0.3
Fremont Madison East	0.04	0.2

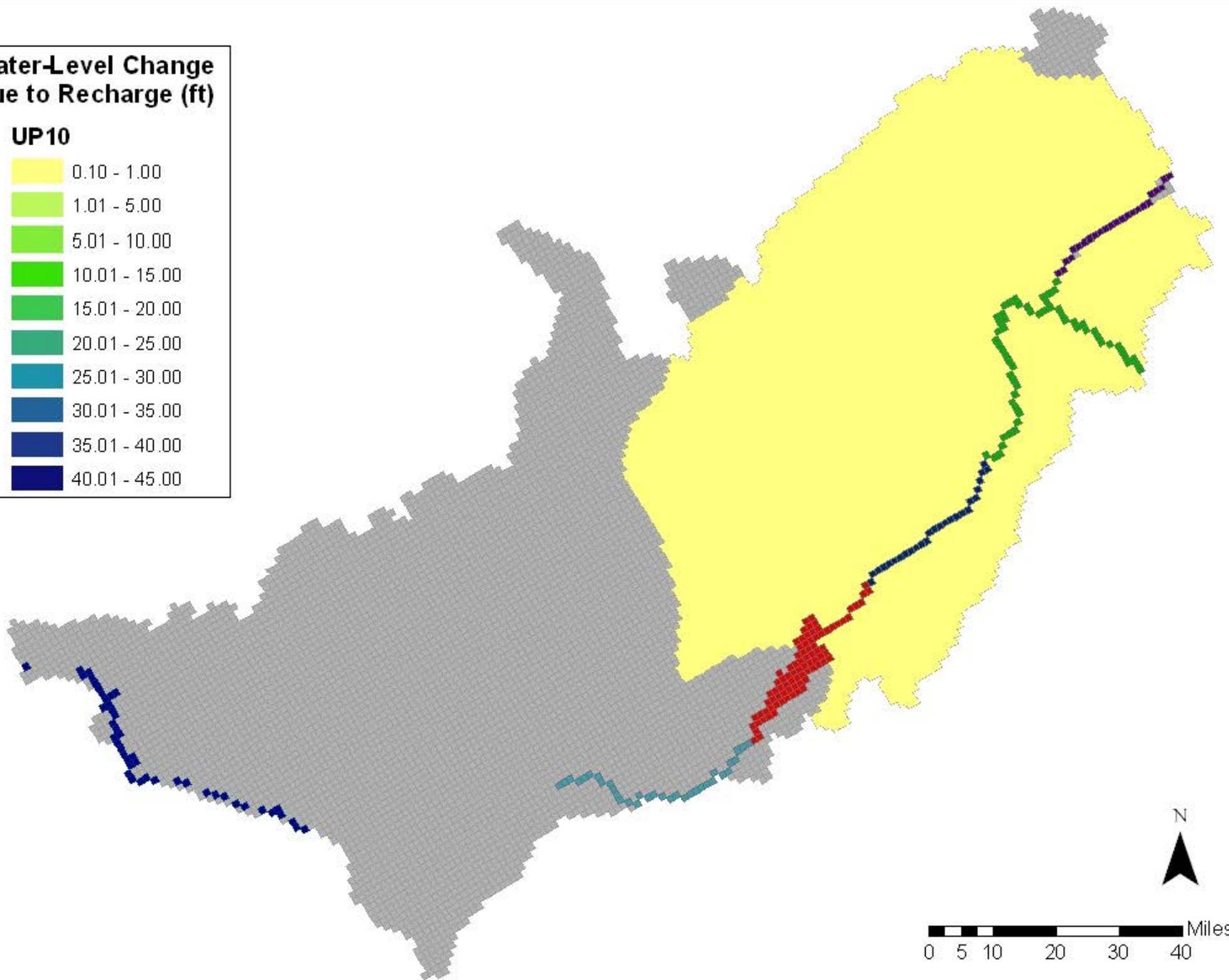
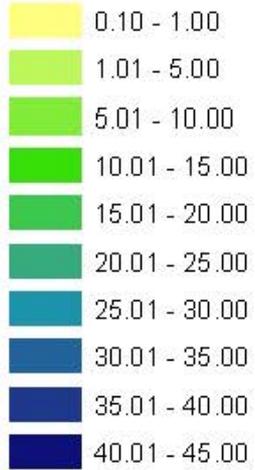
Upper Valley Analysis

This model run evaluated actual recharge at Upper Valley recharge locations (blue).

Canal	7A	7B
SWID	0.96	1.4
Lake Walcott Recharge Site	0.43	1.5
Northside Canal	0.4	1.3
Milner Gooding Canal	0.37	1.4
Shoshone Recharge Site	0.33	1.3
Milepost 31	0.33	1.3
Egin	0.17	0.4
New Sweden	0.1	0.6
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Snake River Valley	0.09	0.5
Fremont Madison West	0.09	0.3
Hilton Spill	0.08	0.4
Peoples	0.08	0.4
Aberdeen Springfield	0.07	0.4
United	0.07	0.4
Riverside	0.06	0.4
Great Feeder	0.06	0.4
Jensen's Grove	0.05	0.3
Fremont Madison East	0.04	0.2

**Water-Level Change
Due to Recharge (ft)**

UP10



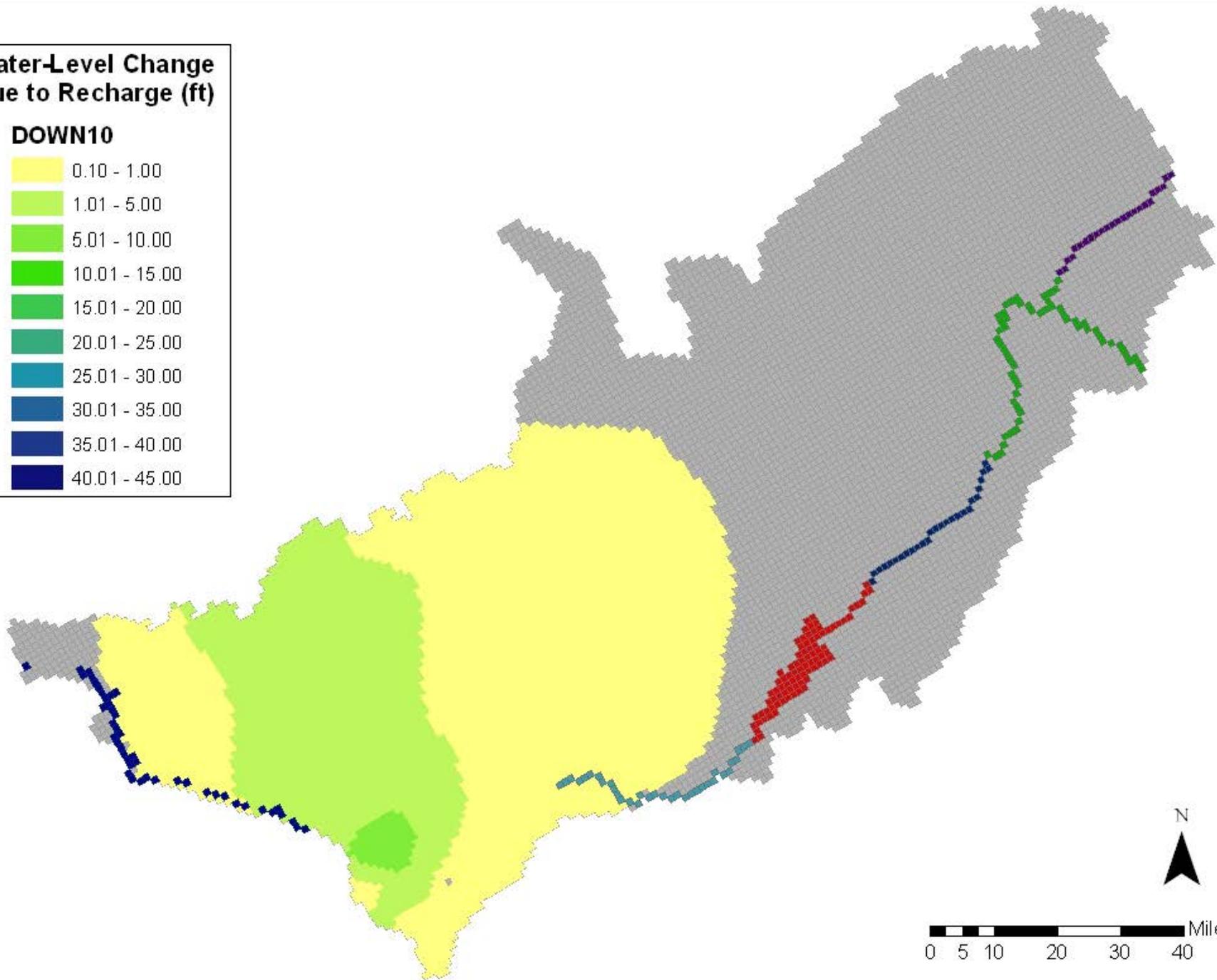
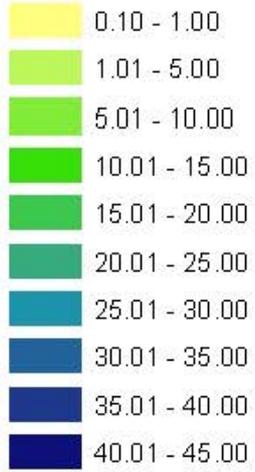
Lower Valley Analysis

This model run evaluated actual recharge at Lower Valley recharge locations (blue).

Canal	7A	7B
SWID	0.96	1.4
Lake Walcott Recharge Site	0.43	1.5
Northside Canal	0.4	1.3
Milner Gooding Canal	0.37	1.4
Shoshone Recharge Site	0.33	1.3
Milepost 31	0.33	1.3
Egin	0.17	0.4
New Sweden	0.1	0.6
Idaho	0.1	0.6
Snake River Valley	0.09	0.5
Fremont Madison West	0.09	0.3
Hilton Spill	0.08	0.4
Peoples	0.08	0.4
Aberdeen Springfield	0.07	0.4
United	0.07	0.4
Riverside	0.06	0.4
Great Feeder	0.06	0.4
Jensen's Grove	0.05	0.3
Fremont Madison East	0.04	0.2

**Water-Level Change
Due to Recharge (ft)**

DOWN10



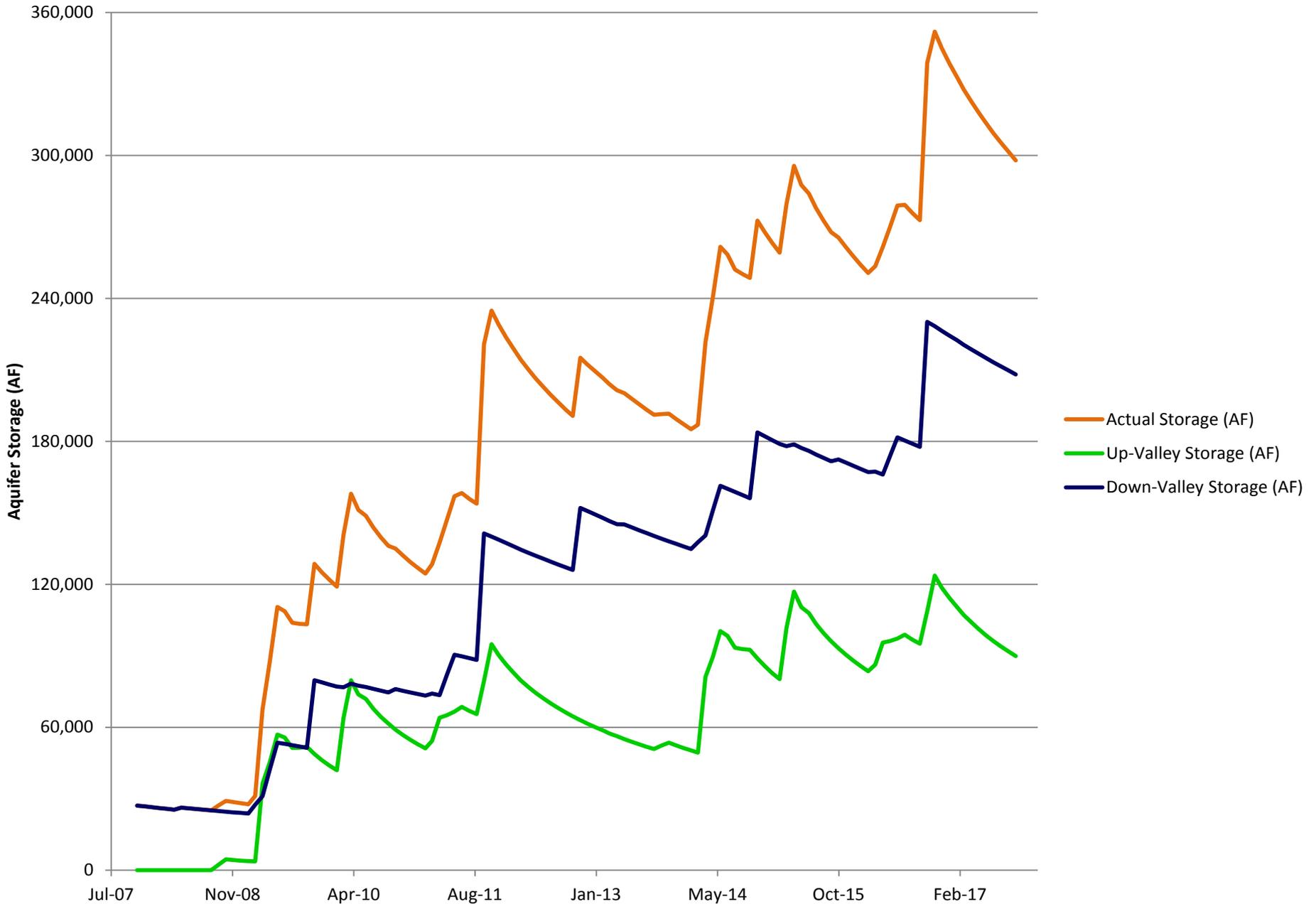
The IWRB Recharge Goal

“The long-term objective of the [ESPA Comprehensive Aquifer Management] Plan is to incrementally achieve a net ESPA water budget change of 600 thousand acre-feet annually.”

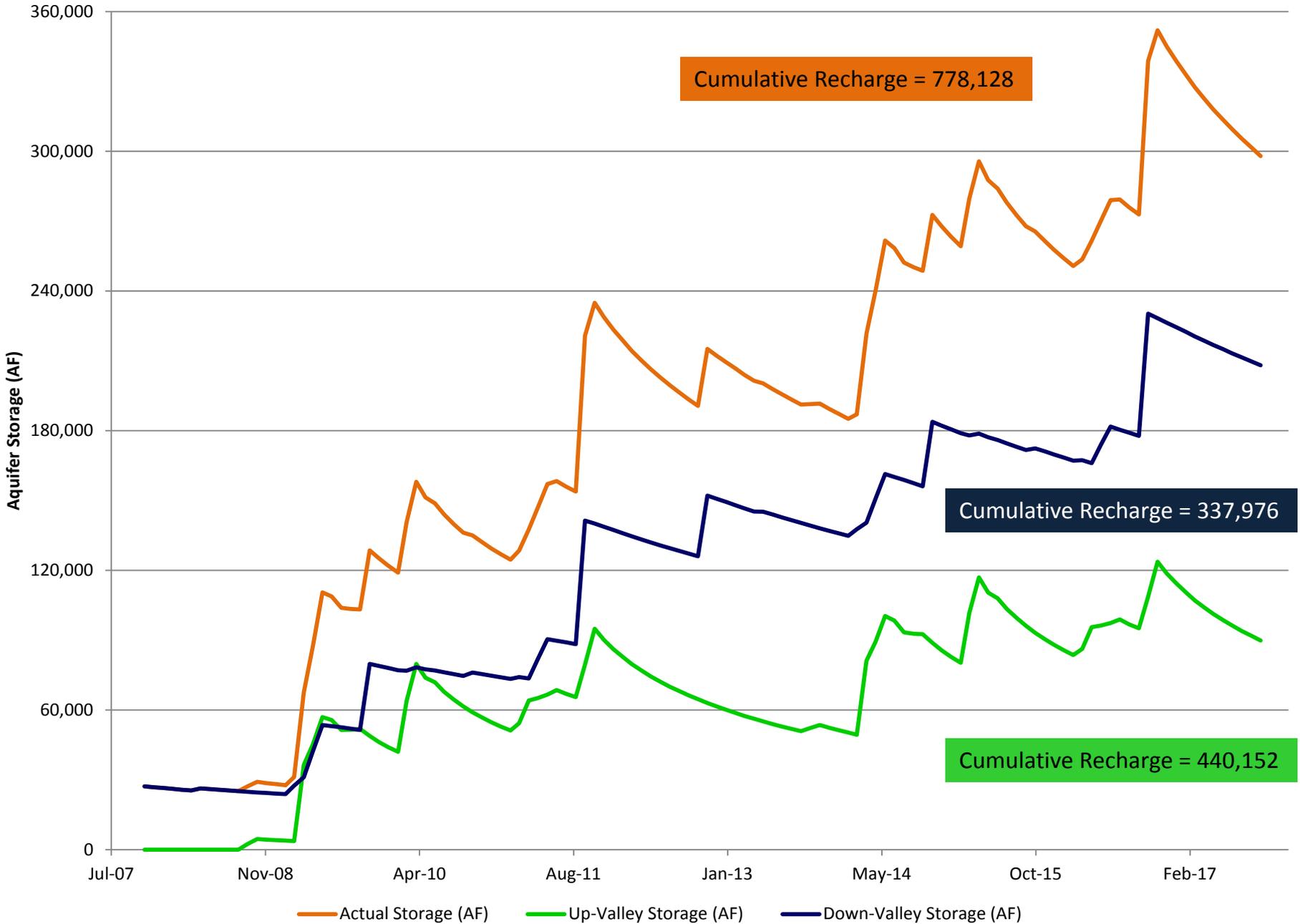
-ESPA CAMP January 2009

How did the actual recharge activities affect storage in the aquifer?

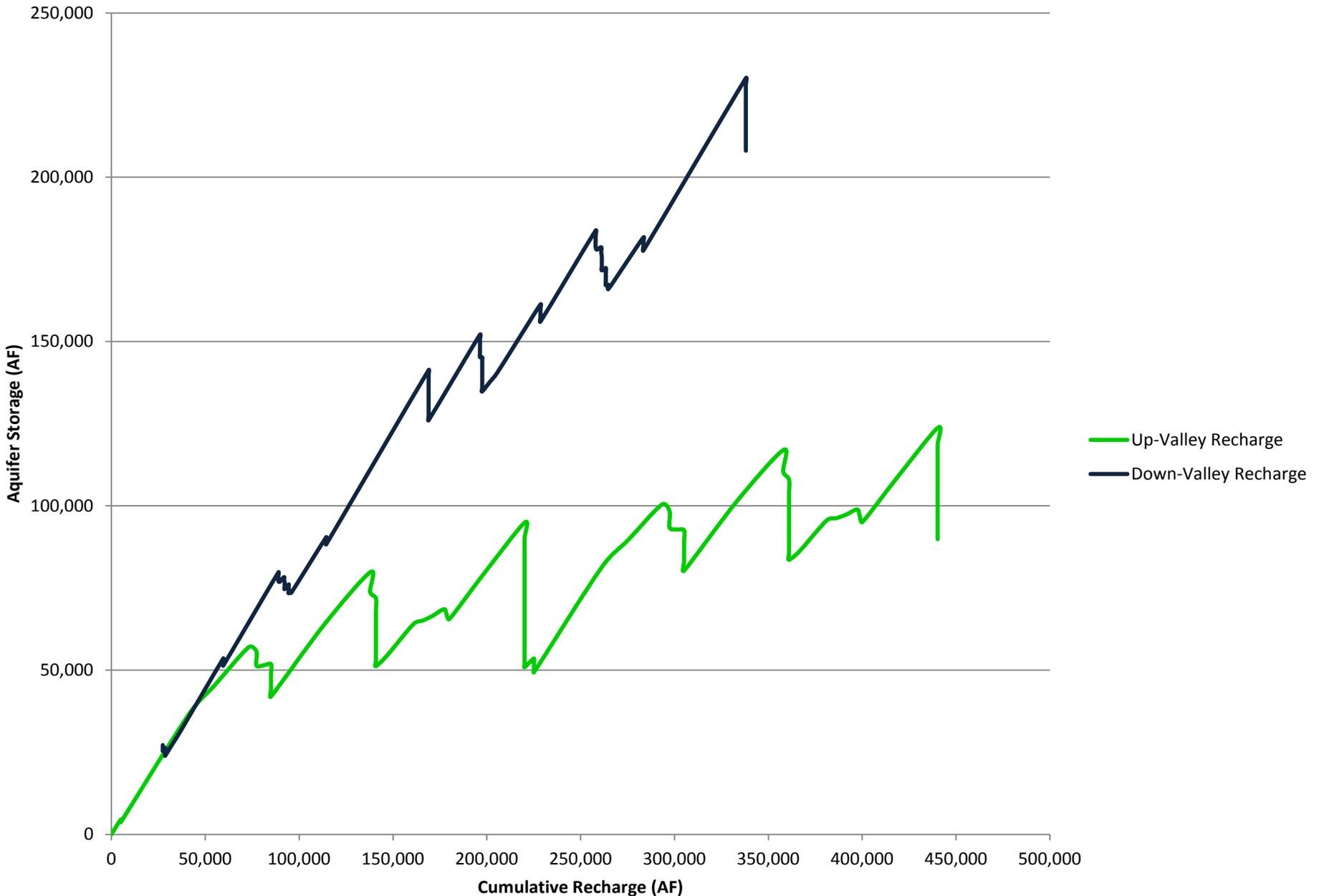
Storage Change Due to Recharge



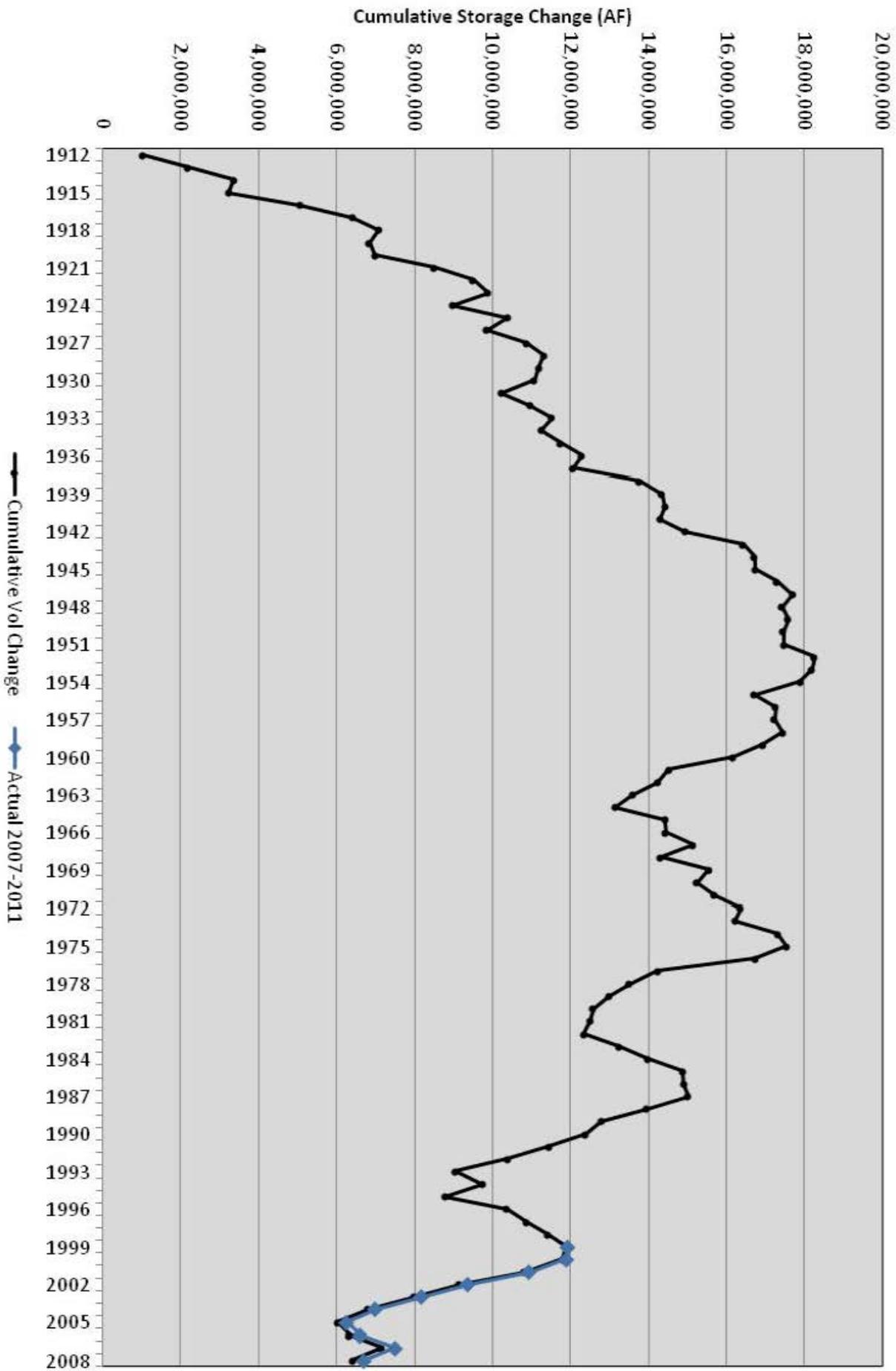
Storage Change Due to Recharge



Cumulative Recharge vs. Storage Change



ESPA - Cumulative Change in Aquifer Storage Actual Recharge 2007-2011 (twice)



Recharge Effects on Aquifer Storage - Actual Recharge 2007-2011 (twice)



Summary

2007-2011	Actual	Up-Valley	Down-Valley
Cumulative Recharge (AF)	389,064	220,076	168,988
Max Storage (AF)	234,873	94,842	141,315
Date	Nov 2011	Nov 2011	Oct 2011
Ratio	0.60	0.43	0.82

2007-2017	Actual	Up-Valley	Down-Valley
Cumulative Recharge (AF)	778,128	440,152	337,976
Max Storage (AF)	351,962	123,668	230,162
Date	Nov 2016	Nov 2016	Oct 2016
Ratio	0.45	0.28	0.68

Discussion.

Memorandum

To: Idaho Water Resource Board
From: Cynthia Bridge Clark
Date: July 5, 2012
Re: Status of Ongoing Storage Water Studies



Weiser-Galloway Project

BACKGROUND: A series of studies have been initiated to determine whether to move forward with comprehensive feasibility, environmental and engineering studies of the previously proposed Galloway Dam and Reservoir project on the Weiser River. The first study, the *Weiser-Galloway Gap Analysis, Economic Evaluation and Risk-Based Cost Analysis Project, March 2011* (Gap Analysis), was a reexamination of the U.S. Army Corps of Engineers (Corps) studies (1987-1994) of the dam site based on current conditions and new information. Based on the results of the gap analysis, two additional studies were initiated: 1) The *Weiser River Geologic Investigation and Analysis Project* (Geologic Investigation) is intended to determine the safety, suitability and integrity of geologic structures at the potential dam and reservoir site; and 2) the *Snake River Operational Analysis Project* (Operational Analysis) will evaluate whether benefits would be realized from the Weiser-Galloway project by analyzing a series of operating scenarios (potential benefits include flood control, hydropower, water storage, pump back, irrigation, recreation and flow augmentation requirements for anadromous fish recovery). Both studies are being completed through a cost-sharing partnership with the Corps.

PROJECT STATUS:

Geologic Investigation

- **Drilling/Exploration:** The Corps plans to drill seven holes at the cross section of the dam site at depths of approximately 150 to 300 feet. The U.S. Bureau of Reclamation (BOR) drill crew will perform drilling and testing activities in cooperation with the Corps. The BOR has mobilized, developed access roads to the proposed drill sites, and has made additional provisions for fire safety given dry conditions at the site. Drilling is scheduled to begin July 9, 2012.
- The Environmental Assessment for areas impacted by drilling activities and a Right of Way permit to perform the drilling on land owned by the U.S. Bureau of Land Management (BLM) are complete.
- Access agreements and other necessary permits have been issued.
- Idaho Department of Water Resources staff has been briefing community members, county commissioners, and local legislators about activity at the site and the scope of the project.
- **Estimated timeline:** Drilling activities are scheduled through the end of October 2012. Results of core tests are scheduled for completion by December 2012 (interpretation of samples may be possible prior to completion of testing).

Operational Analysis

- The bulk of the Operational Analysis will be delayed until results of the Geologic Analysis are available.
- In the interim, the Corps is performing preliminary tasks on a limited basis including updating basin hydrology; basic hydraulic modeling; identification of appropriate system optimization models; and identification of operational constraints.
- **Estimated timeline:** Completion scheduled for fall 2013.

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

Lower Boise River Interim Feasibility Study

BACKGROUND: The *Water Storage Screening Analysis* was completed in August 2010 by the U.S. Army Corps of Engineers (Corps) in partnership with the IWRB. The top three ranked storage sites identified through the analysis were a raise or new dam at the existing Arrowrock Dam site, the Alexander Flats site, and the Twin Springs site.

The Corps performed additional engineering analysis of the Arrowrock storage concept, the top ranked site in the screening analysis, to identify 1) the most appropriate storage concept (a raise of the existing structure or construction of a new facility downstream); 2) whether there were any major engineering or geological constraints that would make either concept unfeasible; and 3) issues for future study. Results of the analysis are reflected in the *Lower Boise River Interim Feasibility Study, Preliminary Evaluation of Arrowrock Site, October 2011*.

Based on available information, the analysis did not identify any geologic or engineering constraints that could discount one concept over the other, but recommended further study of raising the existing Arrowrock Dam if only one concept is pursued. The report also identifies additional issues that should be evaluated in order to better understand the viability of Arrowrock site.

PROJECT STATUS: The current Interim Feasibility Study agreement between the Corps and IWRB focuses on new storage to address water supply and flood risk reduction. The agreement does not include all of the tasks necessary to complete a feasibility study. In response to a recent effort by the Corps to modernize and streamline the feasibility process (Planning Modernization initiative) the Corps has advised the IWRB that federal support of the study may be contingent on a revision of the agreement to include completion of a feasibility study.

At the May 17, 2012 IWRB meeting work session, the Corps explained the Planning Modernization initiative and discussed the opportunities it presents to complete a feasibility study on the Lower Boise River at a cost savings and in less time. In addition, construction of a project such as an enlargement of the Arrowrock site would require completion of a feasibility study and the associated decision document before the Corps could request construction authorization from Congress.

The Corps also presented the results the Boise River Inundation Mapping Study through which flood inundation maps were developed for multiple flows the on the Boise River from Diversion Dam to just upstream of the head of Eagle Island. The maps were developed to provide information about flood risk to the community and a tool for emergency response planning during flood events. The discussion illustrated an opportunity for local partners impacted by flood risk in the valley to participate in the feasibility study process.

As a result of the discussion, the IWRB directed IDWR staff to work with the Corps to develop a project management plan (PMP) to complete the feasibility study. The PMP will describe study costs, schedule and specific tasks and will be presented to the IWRB for consideration at an IWRB meeting in the fall of 2012. Since the work session, the Corps and IDWR staff have been briefing Treasure Valley community entities and leadership on the study.

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

Henrys Fork Basin Study

BACKGROUND: The IWRB and the Bureau of Reclamation (Reclamation) are conducting a study of water resources in the Henrys Fork River basin to develop alternatives to improve water supply conditions in the Eastern Snake Plain aquifer and Upper Snake River basin. The study is intended to identify opportunities for development of water supplies and improvement of water management while sustaining environmental quality.

PROJECT STATUS: Reclamation is currently collecting comments on the “reconnaissance level” evaluation and technical analysis of alternatives identified for further study. These include new or existing surface water storage projects, as well as managed ground water recharge, agricultural conservation and management, municipal and industrial conservation, and market based alternatives.

Reclamation developed and distributed draft technical reports for most of the alternatives to stakeholders for comment. Reclamation is currently meeting with smaller stakeholder groups for additional feedback. It plans to complete the reconnaissance phase and provide recommendations for a short-list of alternatives to move forward for appraisal level analysis at an IWRB Storage Committee meeting in August 2012.

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