

# **IDAHO WATER RESOURCE BOARD**

## **WATER RESOURCE FUNDING PROGRAM**



## **Fiscal Year 2010 Annual Report**

Idaho Water Resource Board  
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Boise, Idaho 83720  
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# **Water Resource Funding Program**

## **Fiscal Year 2010 Annual Report** (July 1, 2009 to June 30, 2010)

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### **IDAHO WATER RESOURCE BOARD**

**Terry Uhling, Chairman**  
**Gary Chamberlain, Vice-Chairman**  
**Bob Graham, Secretary**  
**Jerry Rigby**  
**Leonard Beck**  
**Vince Alberdi**  
**Roger Chase**  
**Chuck Cuddy**

**Gary Spackman, Interim Director**  
**Idaho Department of Water Resources**

**Prepared by Brian Patton**

Cover Photograph: One of two new wells constructed by Producers Irrigation Company, located in Jefferson County, with a loan funded by the Idaho Water Resource Board.

*"There shall be constituted a Water Resource Agency, composed as the Legislature may now or hereafter prescribe, which shall have power to construct and operate water projects; to issue bonds, without state obligation, to be repaid from revenues of projects; to generate and wholesale hydroelectric power at the site of production; to appropriate public waters as trustee for Agency projects; to acquire, transfer and encumber title to real property for water projects and to have control and administrative authority over state lands required for water projects; all under such laws as may be prescribed by the Legislature. Additionally, the State Water Resource Agency shall have power to formulate and implement a state water plan for optimum development of water resources in the public interest ... "*

(Idaho Constitution Article XV Section 7)

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## INTRODUCTION

The Idaho Water Resource Board (IWRB) provides assistance to plan, design, build, improve, and rehabilitate water projects that are found to be in the public interest and in compliance with the State Water Plan and to promote and achieve the efficient and effective use of Idaho's water resources.

This report, required by Idaho Code § 42-1759, provides an overview of the program and its accomplishments and describes program activities during Fiscal Year 2010.

## THE NEED FOR A WATER RESOURCE FUNDING PROGRAM

Idaho, like all of the western states, was settled where water was available. The planning and development of adequate water supplies is an ongoing activity. Systems were built to bring water to farms and cities. Pipelines, dams, and canals were built and rebuilt. Historically, the overwhelming burden of this work fell on private individuals and cooperative groups until the federal government stepped in and assisted in the construction of irrigation, flood control, and rural and municipal drinking water projects. For the past several decades, federal budget deficits, environmental concerns, and other priorities have reduced federal spending for water projects. Thus, by necessity, the western states, including Idaho, have become more involved in the planning, financing, and construction of water projects for a variety of uses.

The demand for water continues to increase in Idaho, resulting in the need to construct new water systems, rehabilitate and expand existing water systems, and make more efficient use of existing water supplies. Many community water systems around the state were constructed years ago and now need rehabilitation or replacement. The rapid growth of the past several years is forcing many communities to find additional water supplies and upgrade their water systems to meet higher demand levels. Many small community water systems are struggling to comply with the provisions of the Safe Drinking Water Act. Because these regulations often require expensive upgrades or new facilities, most small water systems are finding it difficult to finance the required improvements.

Many irrigation systems around the state were built during pioneer days. Old systems can be inefficient in their conveyance of water. Improving or rebuilding these irrigation systems with current technologies can result in more efficient use of Idaho's water resources.



Preston Whitney Irrigation Company weir and headgate replacement, November 2009.



Opportunities exist for, and the Board encourages, constructing "in-town" irrigation systems for residential lawn and garden irrigation, and the irrigation of parks, schoolyards, and cemeteries. These systems can reduce the demand on municipal water systems. Since most municipal systems provide some level of water treatment, it can be more cost-effective to use untreated surface water for outside irrigation uses and reserve the more expensive treated water for indoor uses.

Many of the dams around the state are approaching or have exceeded 100 years in age and need replacement or major rehabilitation. This can be very costly and often the organizations responsible for the dams have limited ability to pay for the needed repairs.

Devastating floods have occurred in Idaho during recent years. Opportunities exist for projects, both structural and nonstructural, to reduce the damages caused by these floods. Some flood control projects can be combined with surface water storage or ground water recharge by diversion of flood flows into recharge basins.

Hydroelectric power production opportunities remain at many existing dams, canal drops, and other water control structures that were built for irrigation, flood control, or other purposes. These hydroelectric projects serve to make Idaho more energy independent, are carbon-neutral, are renewable energy, and may provide revenues to the water users to help offset operation costs.

The water resource funding program provides lasting benefits to Idaho in the areas of irrigation and community water supplies, flood control, and hydroelectric power, greatly enhancing Idaho's economy.



Preston Whitney Irrigation Company headgates and measurement devices for a new gravity pressurized pipeline.

The Idaho Water Resource Board has assisted with the construction of 78 community water supply wells in the following communities:

City of Boise  
 City of Cascade  
 City of Donnelly  
 Dalton Gardens  
 Silver Sage  
 Mores Creek Rim Ranches  
 M & M Subdivision  
 City of Elk River  
 City of Ririe  
 East Lizard Butte  
 Mid-Way area  
 Rocky Beach  
 Spirit Bend  
 Kidd Island Bay  
 Chaparral  
 City of Juliaetta  
 Riverland Terrace  
 Covert Subdivision  
 City of Downey  
 Forrey Heights  
 Conkling Park  
 Garden Valley Ranchettes  
 City of Georgestown  
 Midas  
 Shilo Ranch Estates  
 Whitney  
 Scenic Properties  
 Bee Line  
 New Hope  
 City of Firth  
 Lakeview  
 Picabo  
 Hoyt Bluff  
 City of Lava Hot Springs  
 Live More Lake  
 Thunder Canyon  
 Cloverdale Ridge

The Idaho Water Resource Board has assisted in the following dam repair, reconstruction and enlargement projects:

Dam	Purpose of Dam	Storage Volume (acre-feet)	Type of Work
Magic Dam	Irrigation, power	191,500	Replace outlet valves
Portneuf Dam	Irrigation	24,000	Enlarge spillway for flood routing
Priest Lake Dam	Recreation, downstream power	70,000	Dam replacement
Lost Valley Dam	Irrigation	10,000	Enlargement feasibility study
Troy Dam	Municipal water supply	25	Repair failure of dam
Fish Creek Dam	Irrigation	14,000	Repair dam structure
Oakley Dam	Irrigation	70,000	Repair failure of dam
St. Johns Dam	Irrigation	630	Safety improvements
Strong Arm Dam	Irrigation	1,713	Safety improvements
Kirby Dam	Power	none	Repair failure of dam
Mackay Dam	Irrigation	45,000	Safety improvements
C. Ben Ross Dam	Irrigation	7,787	Safety improvements
Crowther Dam	Irrigation	1,053	Repair outlet works; add spillway
Sage Hen Dam	Irrigation	5,210	Repair outlet works
Brundage Dam	Irrigation	7,330	Dam replacement & enlargement
Twin Lakes Dam	Flood control, recreation	9,090	Dam replacement
Johnson Dam	Irrigation	800	Dam repair
Hawkins Dam	Irrigation	880	Replace outlet works
Winder Dam	Irrigation	2,000	Improve outlet works



The City of Genesee replaced a 100-year old water storage tank with a \$200,000 loan provided by the Idaho Water Resource Board.



The Jefferson Irrigation Company used an \$81,000 loan from the Idaho Water Resource Board to deepen an existing well.

## PROJECTS FUNDED DURING FISCAL YEAR 2010

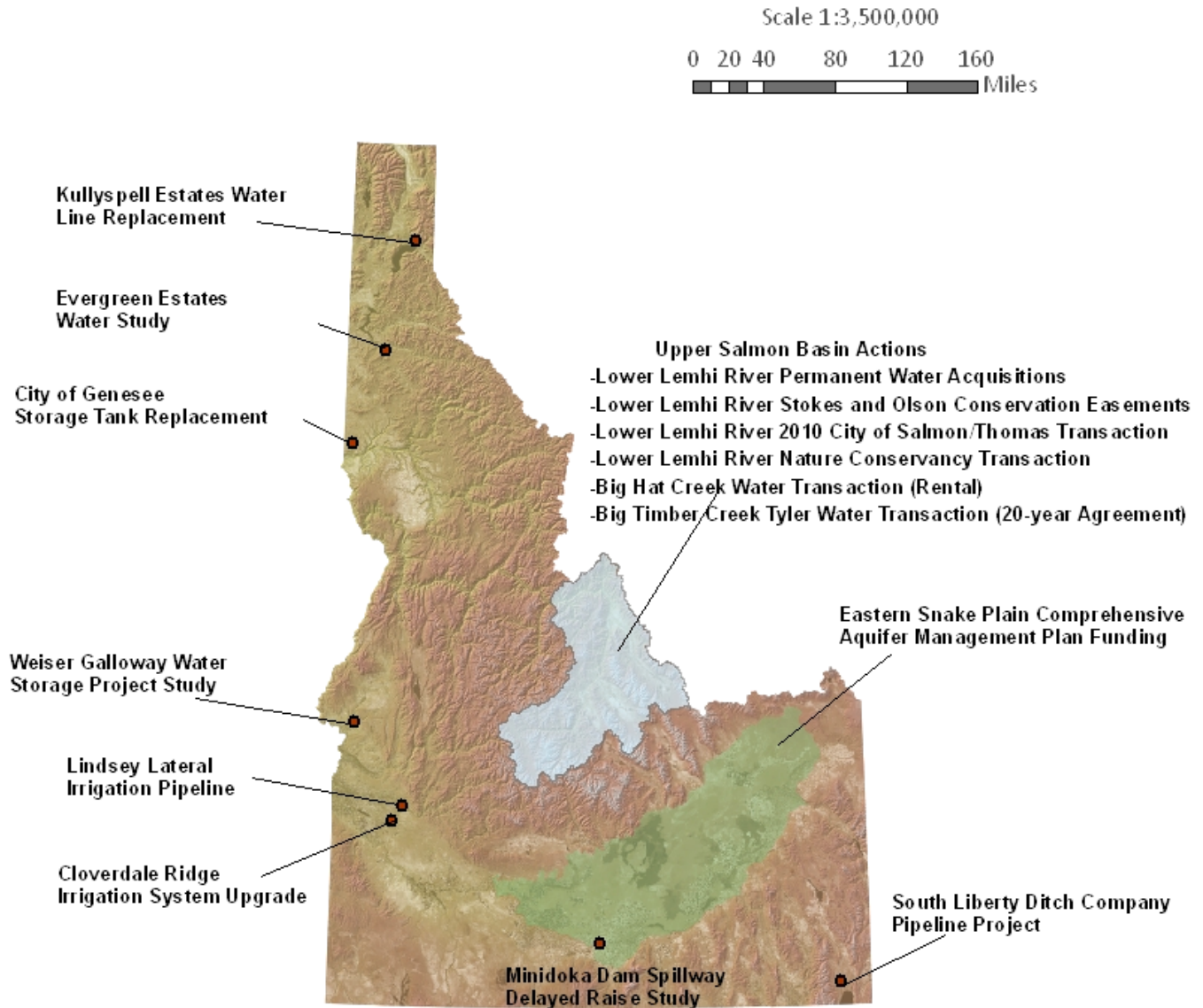
During Fiscal Year 2010, the Idaho Water Resource Board authorized \$4,365,369 in funds for the 14 water projects listed below. More complete descriptions of these projects are included in Appendix A.

	PROJECT	LOAN	IWRB PROJECT EXPENDITURE
1	Big Hat Creek Water Transactions		\$97
2	Big Timber Creek Tyler Water Transaction		\$626,672
3	City of Genesee Storage Tank Replacement	\$200,000	
4	Cloverdale Ridge Irrigation Well and Mainline Replacement	\$106,400	
5	ESPA CAMP Funding		\$2,465,579
6	Evergreen Terrace Community Water System Study	\$15,000	
7	Kullyspell Estates Water Line Replacement	\$500,000	
8	Lindsey Lateral Irrigation Pipeline	\$35,000	
9	Lower Lemhi Stokes and Olson Conservation Easements		\$93,600
10	Lower Lemhi 2010 Water Transactions		\$8,841
11	Lower Lemhi 2010 City of Salmon/Thomas Transaction		\$3,600
12	Nature Conservancy Water Right Transaction Lemhi Pool		\$10,580
13	South Liberty Ditch Company Pipeline Project	\$200,000	
14	Weiser-Galloway Water Resource Management and Water Storage Project Study		\$100,000
	<b>SUBTOTALS</b>	<b>\$1,056,400</b>	<b>\$3,308,969</b>
	<b>TOTAL</b>		<b>\$4,365,369</b>



## PROJECT LOAN IWRB PROJECT EXPENDITURES

### Idaho Water Resource Board Fiscal Year 2010 Projects



## **COMPONENTS AND OPERATION OF THE PROGRAM**

The Water Resource Funding Program provides financial assistance to plan, design, construct, improve, expand, and rehabilitate the infrastructure necessary to deliver water to the people of Idaho and promote the efficient and effective use of Idaho's water resources. The financial assistance provided is in the form of loans, grants, and Board-issued revenue bonds.

Projects proposed for funding through this program must be in the public interest, be in compliance with the State Water Plan, and be economically feasible, technically viable, and environmentally acceptable. One of the guiding principles of the program is that as much of the work as possible is performed by private-sector engineering and construction firms, helping to provide employment and economic stimulus throughout the state. Guidance and project oversight is provided by the Board's engineering staff to ensure that the projects are properly designed and constructed, address problems and needs, and ensure the Board's funds are efficiently utilized. Assistance is also provided in determining the scope of a proposed project and determining when the assistance of an engineering consultant is needed. When possible, projects with multiple uses are encouraged. On numerous occasions the Legislature has authorized the Board to undertake projects and studies with regional or statewide significance.

The Water Resource Board Funding Program consists of the Revolving Development Account, Water Management Account, and the Water Resource Development Revenue Bond Program.

### **REVOLVING DEVELOPMENT ACCOUNT**

The Revolving Development Account was created by the Idaho Legislature in 1969 to support the development of Idaho's water resources through new construction, and through the rehabilitation or expansion of existing water projects. Funds from this account may be used by the Water Resource Board for any water project in the public interest or may be loaned to appropriate entities to finance water projects. The Revolving Development Account balance sheet as of June 30, 2010, is included in Appendix B.

### **WATER MANAGEMENT ACCOUNT**

The Idaho Legislature created the Water Management Account in 1978 to complement the Revolving Development Account. Loans and grants may be awarded to appropriate entities to finance water projects, and the Water Resource Board may expend money from this account to undertake appropriate projects that are in the public interest. Projects funded through the Water Management Account must fall into one of the following categories: reclamation, upstream storage, off-stream storage, aquifer recharge, reservoir site acquisition and protection, water supply, water quality, recreation, or water resource studies. In addition, this account serves as a mechanism for the Legislature to fund specific water projects or studies.

### **WATER RESOURCE DEVELOPMENT REVENUE BONDS**

The constitutional amendment that created the Idaho Water Resource Board authorizes the Board to issue Water Resource Development Revenue Bonds to finance the construction of water projects. The 1981 Legislature clarified the Board's authority to issue these bonds and loan the proceeds to finance water projects undertaken by local organizations within Idaho such as irrigation districts and water companies. The Board receives the proceeds from the bond sale, and then loans the funds to the project sponsor. The Bonds are issued by the Water Resource Board, usually enabling the project sponsor to obtain the advantages of tax-exempt financing.

The bonds are secured by project revenues. The Board may also issue revenue bonds to finance projects undertaken by the Board. An example is the Board's Dworshak Hydropower Project, a 3 MW power plant on the water supply pipelines that deliver water from Dworshak Reservoir to the Dworshak and Clearwater Fish Hatcheries.

## ONGOING PROJECTS

The Board has responsibility for owning and managing several ongoing water projects on behalf of the State of Idaho.

### Dworshak Small Hydropower Plant

This 3 MW hydropower plant is located on twin pipelines that run from Dworshak Dam to supply two federally-constructed fish hatcheries below the dam. The Water Resource Board constructed the plant in 1999 - 2000. The energy is sold to the Bonneville Power Administration. Power sales revenues in excess of debt service, operations and maintenance, and repair and replacement reserve funds are used to finance other water projects around the state.

### Bell Rapids Water Rights

As a result of a complex series of negotiations, in 2005 the Legislature directed the Water Resource Board to acquire the water rights from the Bell Rapids irrigation project near Hagerman. The water is leased to the U.S. Bureau of Reclamation for purposes specified in the Nez Perce Water Rights Agreement.

### Pristine Springs Project

In 2008 the Water Resource Board acquired the Pristine Springs facility near Twin Falls. This purchase was undertaken in partnership with the North Snake and Magic Valley Ground Water Districts and the City of Twin Falls in order to resolve water use conflicts in the area and provide water for future municipal growth. The facility consists of a fish hatchery, 200 acres of irrigated pasture, and two small hydroelectric power plants with a combined capacity of 325 kW. Even after execution of the water use agreements with the ground water districts and the City, which reduced its available water supply, the facility still has fish production capability. The hatchery and agricultural ground are leased to the former operators. The energy from the hydropower plants is sold to Idaho Power. The Water Resource Board is currently evaluating long-term options for the facility.



Regulation pond for Pristine Springs Hydropower Facility, 2009.

### ESPA Recharge

The Legislature has directed the Water Resource Board to undertake a program of aquifer recharge for the Eastern Snake Plain Aquifer (ESPA). The Board owns water rights for recharge from the Snake River and Wood River. In anticipation of recharge playing a central role in the ESPA Comprehensive Aquifer Management Plan (CAMP), the Board has been laying the groundwork for a large-scale, sustainable recharge program on the Eastern Snake Plain. In

calendar year 2010, approximately 61,000 acre-feet of recharge into the ESPA was accomplished to help begin implementation of the ESPA CAMP.

### Palisades Storage Contract

In 2008, the Water Resource Board purchased a 5,000-acre-foot water storage contract in Palisades Reservoir from the FMC Corporation. Palisades is a large federally-owned and operated reservoir. The Board intends to utilize this storage to help in making additional water available in the eastern Snake Plain area

### Upper Salmon Basin

In cooperation with several state and federal agencies over the past several years, the Water Resource Board has entered into several short-term and long-term agreements with water right holders in the Upper Salmon Basin. The purpose of these agreements is to provide stream flows sufficient for endangered species needs while maintaining the agricultural economy of the area. These voluntary agreements may take the form of non-diversion agreements, water leases, conservation easements, and changes in diversion locations. Very few agreements result in actual dry-ups of land. The funding source for these agreements is the Bonneville Power Administration and federal Pacific Coast Salmon Recovery funds.



Big Timber Creek flows.

## **WATER PROJECTS AND IDAHO'S ECONOMIC DEVELOPMENT**

Water is essential for the stability and continued growth of Idaho's economy. Agriculture is a major part of the state's economy and has traditionally been a stabilizing influence to moderate the boom and bust cycles of the state's mining and timber industries. Idaho's newer high-tech industries are subject to boom and bust cycles, making agriculture's stabilizing influence all the more important. By assisting with the reconstruction and improvement of irrigation systems, the Water Resource Board is helping to ensure that the water supply, storage, and delivery infrastructure necessary for agricultural production will be in place for many years to come.

Water is essential for the stability and growth of Idaho's communities. By assisting with the construction and improvement of community water supply, storage, treatment, and delivery projects, the Water Resource Board is helping make the state's communities attractive places to live. These projects foster economic development by providing a stable water supply for business and industry.

A secondary benefit of these projects is the increased employment and material purchases involved in project planning, design, and construction. This helps to provide private-sector employment and economic stimulus throughout the state.



## LOOKING AHEAD

The Water Resource Board is assisting the people of Idaho with maintaining and improving the vital infrastructure required to manage the state's water resources. Local governments and cooperatives throughout the state have demonstrated their capability, with state assistance, to develop projects that address local water needs. There may be needs for the construction of state-sponsored projects that provide regional benefits, such as construction of additional above or below-ground water storage to alleviate conflicts and provide for growth. In addition, the Water Resource Board is cooperating with the Department of Water Resources to evaluate the impacts of climate change on water management in Idaho. Depending on the climate change-related effects on our water resources, modifications to water storage and delivery systems may be necessary, including enlarged surface and ground water storage capacity.

The Water Resource Board is encouraging irrigation system improvements wherever possible, keeping in mind the importance of incidental recharge to our aquifer levels. Dam repair, municipal and community water system projects, and irrigation system improvements are anticipated in Fiscal Year 2011. The Eastern Snake Plain Comprehensive Aquifer Management Plan, which has been approved by the Legislature and signed into law, will require the implementation of several aquifer management measures.



Construction on a new gravity pressurized mainline for Preston Whitney Irrigation Co. in Franklin County.



***Appendix A: Project Reports***

***Fiscal Year 2010 Idaho Water Resource Board  
Funded Projects and Studies***

## **BIG HAT CREEK 2010 WATER TRANSACTIONS**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$96.89 from the Bonneville Power Administration through the Columbia Basin Water Transaction Program  
**Account:** Revolving Development Account

**Project Description:** This project is the rental of water rights 75-2137 and 75-4199 for delivery to minimum stream flow water right No. 75-14189 on Big Hat Creek. These water rights are the only water rights on Big Hat Creek, which supports bull trout spawning and migration. The water bank fees of \$96.89 will be received from the Bonneville Power Administration through the Columbia Basin Water Transaction Program.

## **BIG TIMBER CREEK TYLER WATER TRANSACTION**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$626,672.49 from the Bonneville Power Administration (Idaho Fish Accord)  
**Account:** Revolving Development Account

**Project Description:** The Big Timber Creek Tyler transaction is a 20-year agreement not to divert out of Big Timber Creek. The goal of the project is to reconnect Big Timber Creek with the Lemhi River. The agreement provides 4.5 cfs between the original point of diversion and the confluence with the Lemhi River. By installing a new pumping station on the Lemhi River and upgrading the irrigation system (provided by other funds) the land is still productive and the agricultural base of the area is preserved. Funds for the project come from the Bonneville Power Administration through the Idaho Fish Accord and are used to compensate the irrigator for power costs associated with operating the new irrigation system.

## **CITY OF GENESEE STORAGE TANK REPLACEMENT**

**Project Sponsor:** City of Genesee  
**IWRB Funds:** \$200,000 (Loan)  
**Account:** Revolving Development Account

**Project Description:** The City of Genesee requested a loan for \$200,000 for the replacement of a 100-year old storage tank that serves the City of Genesee in Latah County. The City of Genesee water system serves 800 water users. The City of Genesee's loan request of \$200,000 was approved with a 6% interest rate and a term of 3 years.

## **CLOVERDALE RIDGE IRRIGATION WELL AND MAINLINE REPLACEMENT**

**Project Sponsor:** Cloverdale Ridge Water Corporation  
**IWRB Funds:** \$106,400 (Loan)  
**Account:** Revolving Development Account

**Project Description:** The Cloverdale Ridge Water Corporation requested \$106,400 to replace an above ground aluminum irrigation mainline with a PVC-buried mainline, and to replace the irrigation well that has failed. Cloverdale Ridge Water Corporation supplies irrigation water to 55 properties totaling 320 acres in Ada County. The Cloverdale Ridge Water Corporation loan was approved at 6% interest for a term of 10 years.

## **EASTERN SNAKE PLAIN AQUIFER COMPREHENSIVE AQUIFER MANAGEMENT PLAN FUNDING**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$2,465,579  
**Account:** Revolving Development Account

**Project Description:** The Eastern Snake Plain Aquifer (ESPA) Comprehensive Aquifer Management Plan (CAMP) was approved by the 2009 Legislature. The IWRB obligated the first two payments of \$1,232,789 per year from the Pristine Springs Project payback to the ESPA CAMP funding. The total amount obligated to the ESPA CAMP project was \$2,465,579.

## **EVERGREEN TERRACE COMMUNITY WATER SYSTEM STUDY**

**Project Sponsor:** Evergreen Terrace Water Association, Inc.  
**IWRB Funds:** \$15,000 (Loan)  
**Account:** Revolving Development Account

**Project Description:** The Evergreen Terrace Water Association, Inc. requested a loan for \$15,000 to finance an engineering study for a community water system. This loan was matched with a grant from the Idaho Department of Environmental Quality. Evergreen subdivision is located 1.5 miles southeast of St. Maries on Highway 30. Evergreen Terrace Water Association uses 4 wells, a concrete reservoir and a distribution system to supply water to 36 water users. The primary well was determined to be out of compliance by the Idaho Department of Environmental Quality, and other portions of the system were at the end of their life cycle. The loan for the engineering study was approved for \$15,000 at 6 % interest with a 5 year term.

## **KULLYSPELL ESTATES WATER LINE REPLACEMENT**

**Project Sponsor:** Kullyspell Estates Property Owner's Association  
**IWRB Funds:** \$500,000 (Loan)  
**Account:** Revolving Development Account

**Project Description:** Kullyspell Estates Property Owner's Association requested \$500,000 to replace sub-standard 10,000 ft long water distribution lines. Kullyspell Estates is located on Lake Pend Oreille approximately 6 miles northwest of Clark Fork. Kullyspell Estates Property Owner's Association supplies drinking water to 32 connections with another 18 entitled to hookup to the system from ground water and Lake Pend Oreille. The loan was approved from \$500,000 at 6% interest for a term of 15 years.

## **LINDSEY LATERAL IRRIGATION PIPELINE**

**Project Sponsor:** Lindsey Lateral Water Users Association  
**IWRB Funds:** \$35,000 (Loan)  
**Account:** Revolving Development Account

**Project Description:** The Lindsey Lateral Water Users Association requested a loan of \$35,000 to complete an engineering design for piping the open lateral system for 191 members in Boise, Idaho. This loan would provide a match for a \$50,000 grant from the U. S. Bureau of Reclamation for this evaluation. The loan request for the Lindsey Lateral Water Users Association was approved for \$35,000 at 6% interest with a term of 10 years.

## **LOWER LEMHI STOKES AND OLSON CONSERVATION EASEMENTS**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$70,200 – Pacific Coastal Salmon Recovery Fund,  
\$23,400 – Bonneville Power Administration Accord  
**Account:** Revolving Development Account

**Project Description:** The Water Resource Board acquired a permanent conservation easement restricting the diversion of 0.96 cfs from the Lemhi River when river flows decline to a certain point. The purpose is to maintain target flows of 35 cfs during the period of juvenile Chinook salmon passage and 25 cfs during the period of adult Chinook salmon passage. The original resolution for this proposal was for \$451,500 for the easements and \$60,375 to administer the easements with Water District 74 for a total of \$511,875 from the Pacific Coastal Salmon Recovery Fund and Bonneville Power Administration Accord. The amount actually spent was \$70,200 – Pacific Coastal Salmon Recovery Fund, \$23,400 Bonneville Power Administration Accord.

## **LOWER LEMHI 2010 WATER TRANSACTIONS**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$8,840.75 from the Bonneville Power Administration  
(Idaho Fish Accord)  
**Account:** Revolving Development Account

**Project Description:** The Lower Lemhi 2010 Annual transaction was a set of six voluntary agreements not to divert out of the Lemhi River when river flows declined to a certain point. The purpose was to maintain target flows of 35 cfs during the period of juvenile Chinook salmon passage and 25 cfs during the period of adult Chinook salmon passage. The irrigators were paid \$80.65 per cfs for each day that water was not diverted for irrigation use. During the 2010 irrigation season 173 acre-feet was used under these agreements to maintain the target flows in the river. The Idaho Water Resource Board intends to replace these annual agreements with long-term or permanent agreements to the extent possible. The IWRB approved the funding for this project for \$98,505.55 and \$6,000 to Water District 74 for administration of the easements. However, only \$8,840.75 was actually spent on this project.

## **LOWER LEMHI 2010 CITY OF SALMON/THOMAS TRANSACTION**

**Project Sponsor:** Idaho Water Resource Board  
**IWRB Funds:** \$3,600 from the Bonneville Power Administration  
(Idaho Fish Accord)  
**Account:** Revolving Development Account

**Project Description:** The Lower Lemhi 2010 City of Salmon/Thomas transaction was a voluntary 12 year agreement not to divert 1.14 cfs out of the Lemhi River when river flows decline to a certain point. The purpose is to maintain target flows of 35 cfs during the period of juvenile Chinook salmon passage and 25 cfs during the period of adult Chinook salmon passage. This transaction was intended to protect flows previously added to the Lemhi River through a surface to groundwater conversion project with the City of Salmon. A portion of the property involved in the conversion project was returned to the original owner due to legal problems with the sale. The owner wishes to return to flood irrigation practices while still protecting the improved flows in the Lemhi River. Thomas will receive a small payment of \$300 per year.

## **THE NATURE CONSERVANCY LEMHI TRANSACTION**

**Project Sponsor:** Idaho Water Resource Board

**IWRB Funds:** \$10,580 – Bonneville Power Administration (Idaho Fish Accord)

**Account:** Revolving Development Account

**Project Description:** The Nature Conservancy Transaction is a permanent rental of Lemhi River water rights donated to the IWRB by The Nature Conservancy. The goal of the transaction is to deliver the consumptive use portion of the water rights to the Lemhi River minimum stream flow. The minimum stream flow (35 cfs) is intended to protect juvenile and adult passage of Chinook salmon and steelhead. A one-time rental fee of \$10,580 will be paid to Water District 74.

## **SOUTH LIBERTY DITCH COMPANY PIPELINE PROJECT**

**Project Sponsor:** South Liberty Ditch Company

**IWRB Funds:** \$200,000 (Loan)

**Account:** Revolving Development Account

**Project Description:** The South Liberty Ditch Company is part of the Bear River Bond Pool, which will provide financing for several projects that will be matched by a Bureau of Reclamation Stimulus Grant. South Liberty Ditch Company's portion of the Bear River Bond Pool had a \$1,000,000 limit that was originally requested in the Bond Pool and subsequent formation of a Local Improvement District. South Liberty Ditch Company estimated that with the rising cost of pipe material they would exceed the \$1,000,000 limit. They came to the IWRB to request a revolving development loan for an additional \$200,000 to cover the increase in pipe costs. The IWRB approved the loan for \$200,000 at 5.5% interest with a term of 15 years. The loan was conditioned that the South Liberty Ditch Company must deplete all of the funds allowed by the Bond Pool funding prior to drawing any funds from this loan.

## **WEISER-GALLOWAY WATER RESOURCE MANAGEMENT AND WATER STORAGE PROJECT STUDY**

**Project Sponsor:** Idaho Water Resource Board

**IWRB Funds:** \$100,000

**Account:** Revolving Development Account

**Project Description:** The IWRB contracted with the Bureau of Reclamation to perform three tasks. The tasks are as follows: 1) address the gap analysis, 2) conduct economic analysis and site base, and 3) complete risk based cost analysis. The IWRB approved an appropriation for \$100,000 for the Weiser-Galloway Water Resource Management and Water Storage Project Study.



***Appendix B: Account Balance Sheets as of June 30, 2010***

*Revolving Development Account*

*Water Management Account*

IDAHO WATER RESOURCE BOARD  
Sources and Applications of Funds  
as of June 30, 2010  
**REVOLVING DEVELOPMENT ACCOUNT**

Original Appropriation (1969).....	\$500,000.00
Legislative Aucits.....	(\$37,814.45)
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.....	\$4,580,950.78
Interest Earned State Treasury (Transferred).....	\$1,483,418.25
Filing Fee Balance.....	\$47,640.20
Bond Fees.....	\$1,474,173.20
Protest Fees.....	(\$150.00)
Series 2000 (Caldwell/New York) Pooled Bond Issuers fees.....	\$43,657.93
Water Supply Bank Receipts.....	\$2,330,605.52
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.....	(\$1,045,000.00)
Weiser Galloway Study - US Army Corps of Engineers.....	(\$88,000.00)
<b>Bell Rapids Water Rights Sub-Account</b>	
Legislative Appropriation 2005, HB392.....	\$21,300,000.00
Interest Earned State Treasury.....	\$587,407.51
Bell Rapids Purchase.....	(\$16,306,558.00)
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.....	\$5,253,816.39
Payment to US Bank for Alternative Financing Note.....	(\$5,253,816.39)
Payment for Ongoing Bell Rapids Finance Costs (trustee fees, etc.).....	(\$6,000.00)
<b>Commitments</b>	
Ongoing Bell Rapids Finance Costs (trustee fees, etc.).....	\$176,161.75
Committed for installment payment.....	\$0.00
<b>Total Commitments.....</b>	<b>\$176,161.75</b>
<b>Balance Bell Rapids Water Rights Sub-Account.....</b>	<b>\$0.00</b>
<b>Pristine Springs Project Sub-Account</b>	
Legislative Appropriation 2008, SB1511, Pristine Springs.....	\$10,000,000.00
Legislative Appropriation 2006, HB870, Water Right Purchases.....	\$5,000,000.00
Interest Earned State Treasury.....	\$10,089.24
Loan Interest.....	\$487,849.55
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.....	\$745,059.89
Appraisal.....	(\$15,000.00)
Insurance.....	(\$10,475.00)
Property Taxes and other fee assessments (Jerome County).....	(\$5,358.99)
Rental Payments.....	\$567,134.32
<b>Pristine Springs Hydropower Projects</b>	
Net power sales revenues.....	\$119,992.28
<b>Pristine Springs Committed Funds</b>	
ESPA CAMP.....	1,232,669.44
Repair/Replacement Fund.....	\$666,621.85
<b>TOTAL COMMITTED FUNDS.....</b>	<b>\$1,899,291.29</b>
<b>Loans Outstanding</b>	
North Snake and Magic Valley Ground Water Districts.....	\$9,254,940.11
<b>Total Loans Outstanding.....</b>	<b>\$9,254,940.11</b>
<b>Balance Pristine Springs Sub-Account.....</b>	<b>\$0.00</b>
<b>Upper Salmon/CBWTP Sub-Account</b>	
Water Transaction Projects Payment Advances from CBWTP.....	\$1,447,583.64
PCSRF Funds for Administration of Non-Diversion Easements on Lemhi River.....	\$162,759.26
Interest Earned State Treasury.....	\$40,699.45
Transfer to Water Supply Bank.....	(\$10,460.00)
Payments for Water Acquisition.....	(\$63,328.50)
<b>Committed Funds</b>	
Administration of Non-Diversion Easements on Lemhi River.....	\$161,121.86
Beaver Creek (DOT L.P.).....	\$27,733.38
Lower Eighteenmile Creek (Ellsworth Angus Ranch).....	\$9,473.61
Alturas Lake Creek (Breckenridge).....	\$4,571.70
Iron Creek (Phillips).....	\$252,005.50
Whitfish (Leadore Land Partners).....	\$196,575.74
P-9 Bowles (River Valley Ranch).....	\$318,932.70
P-9 Dowlon (Jim Dowlon Ranch).....	\$252,967.96

P-9 Elzinga (Elzinga).....	\$312,900.68	
P-9 Charlton (Sydney Dowton).....	\$21,110.26	
Fourth of July Creek (Vanderbilt).....	\$19,860.46	
Total Committed Funds.....	<u>\$1,577,253.85</u>	
Balance CBWTP Sub-Account.....		\$0.00
<b>Eastern Snake Plain Sub-Account</b>		
Legislative Appropriation 2005, HB392.....	\$7,200,000.00	
Legislative Appropriation 2005, HB392, CREP Program.....	\$3,000,000.00	
Interest Earned State Treasury.....	\$1,794,353.80	
Loan Interest.....	\$118,440.16	
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.....	(\$3,506,711.14)	
Reimbursement from BOR for Palisades Reservoir.....	\$2,381.12	
W-Canal Project Costs.....	(\$326,834.11)	
2008 Recharge Conveyance Costs.....	(\$14,580.00)	
2009 Recharge Conveyance Costs.....	(\$556,968.57)	
2010 Recharge Conveyance Costs.....	\$0.00	
Pristine Springs Cost Project Costs.....	<u>(\$6,863.91)</u>	
<b>Loans and Other Commitments</b>		
Commitment - ESPA Comprehensive Aquifer Management Plan - CDR Contract.....	\$100,000.00	
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).....	\$2,419,530.50	
Commitment - Recharge Conveyance.....	\$159,764.73	
Commitment - Additional recharge projects preliminary development.....	\$350,000.00	
Commitment - Palisades Storage O&M.....	\$10,000.00	
Commitment - Black Canyon Exchange Project (fund with ongoing revenues).....	\$273,324.95	
Commitment - W-Canal Aquifer and Recharge Conveyance.....	\$66,309.61	
Total Loans and Other Commitments.....	<u>\$3,990,539.79</u>	
<b>Loans Outstanding:</b>		
American Falls-Aberdeen GWD (CREP).....	\$120,836.46	
Bingham GWD (CREP).....	\$121,066.48	
Bonneville Jefferson GWD (CREP).....	\$75,932.93	
Magic Valley GWD (CREP).....	\$124,102.03	
North Snake GWD (CREP).....	\$71,285.04	
TOTAL ESP LOANS OUTSTANDING.....	<u>\$522,222.94</u>	
Uncommitted Balance Eastern Snake Plain Sub-Account.....		\$43,140.12
<b>Dworshak Hydropower Project</b>		
<b>Dworshak Project Revenues</b>		
Power Sales & Other.....	\$4,620,948.87	
Interest Earned State Treasury.....	<u>397,371.68</u>	
Total Dworshak Project Revenues.....		\$5,018,320.55
<b>Dworshak Project Expenses (2)</b>		
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.....	\$1,157,063.35	
Powerplant Repairs.....	\$58,488.80	
Capital Improvements.....	\$318,366.79	
FERC Payments.....	<u>\$28,916.49</u>	
Total Dworshak Project Expenses.....		(\$2,251,928.24)
<b>Dworshak Project Committed Funds</b>		
Emergency Repair/Future Replacement Fund.....	\$1,169,737.00	
FERC Fee Payment Fund.....	<u>\$37,041.16</u>	
Total Dworshak Project Committed Funds.....		\$1,196,778.16
Excess Dworshak Funds into Main Revolving Development Account.....		\$1,569,814.15
<b>TOTAL.....</b>		<u><u>\$14,444,982.20</u></u>
<b>Loans Outstanding:</b>		
	Amount Loaned	Principal Outstanding
Aberdeen-Springfield Canal Company (WRB-491; Diversion structure)	\$329,761	\$240,942.00
Arco, City of .....	\$40,000	\$4,582.66
Bee Line Water Association.....	\$157,500	\$38,277.26
Big Wood Canal Company (23-Jan-09; Thorn Creek Flume).....	\$90,000	\$58,234.31
Boise City Canal Company (WRB-492)...18th St Canal Rehab	\$82,362	\$41,216.39
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	\$52,584.38
Caribou Acres Water Company.....	\$88,769	\$26,723.70
Carlin Bay Property Owners Association.....	\$115,609	\$28,906.35
Challis Irrigation Company (28-Nov-07; river gate replacement).....	\$50,000	\$44,124.34
Chaparral Water Association.....	\$90,154	\$33,156.19
Cloverdale Ridge Water Corp. (irrigation system rehab 25-sep-09)....	106,400.00	\$106,400.00
Conant Creek Canal Company.....	\$239,615	\$57,994.54
Cougar Ridge Water & Sewer District.....	\$15,000	\$3,646.81
Country Club Subdivision Water Association (18-May-07, Well Project).	\$102,000	\$85,697.44
Cub River Irrigation Company.....	\$35,000	\$4,280.22
Cub River Irrigation Company (18-Nov-05; Pipeline project).....	\$1,000,000	\$913,742.93
Cub River Irrigation Company.....	\$500,000	\$479,874.10
Dalton Water Association (14-Mar-08; Water main replacement).....	\$375,088	\$197,549.73
Deep Creek Property Owners Association.....	\$25,115	\$11,680.69

Enterprise Irrigation District (14-Jul-06; Pipeline project).....	\$37,270	\$27,962.68	
Enterprise Irrigation District (North Lateral Pipeline).....	\$105,420	\$74,403.26	
Evergreen Terrace Water Association (water study; 25-sep-09).....	15,000.00	\$9,025.00	
Fall River Irrigation Company.....	\$50,000	\$6,189.44	
Firth, City of.....	\$112,888	\$63,508.50	
Garden Valley Ranchettes Homeowners Association (25-Jan-05).....	2,716.00	\$2,460.62	
Georgetown, City of.....	\$278,500	\$155,079.19	
Harbor View Water & Sewer District (Combined Loans).....	\$602,819	\$351,590.05	
Harpster Water District .....	\$9,000	\$6,541.63	
Howe Water District (5-Aug-05).....	\$10,000	\$2,140.17	
Hoyt Bluff Water Association (Rathdrum Prairie Well).....	\$273,029	\$104,453.29	
Jefferson Irrigation Company (well deepenings).....	\$110,780	\$10,046.16	
Jefferson Irrigation Company (well deepenings).....	\$207,016	\$116,155.38	
Jefferson Irrigation Company (9-May-2008 Well Replacement).....	\$81,000	\$78,389.25	
Kulleyspell Estates Property Owners Assoc.....	\$219,510	\$22,535.32	
Last Chance Canal Company (WRB-497).....	\$500,000	\$271,521.48	
Lakeview Water District.....	\$45,146	\$16,258.83	
Lava Hot Springs, City of.....	\$347,510	\$257,181.90	
Lindsay Lateral Association (22-Aug-03).....	\$9,600	\$5,283.28	
Live-More Lake Community (9-Jun-04).....	\$42,000	\$25,495.96	
Lower Payette Ditch Company (2-Apr-04; Diversion dam replacement).....	\$875,000	\$634,583.72	
Marsh Center Irrigation Company (13-May-05; Hawkins Dam).....	\$236,141	\$190,292.59	
Marysville Irrigation Company (18-May-07, Pipeline Project Phase 1)....	\$625,000	\$503,085.15	
Marysville Irrigation Company (9-May-08, Pipeline Project Phase 2)....	\$1,100,000	\$940,997.50	
Meander Point Subdivision Homeowners Association (7-Sep-07; conn	\$330,000	\$143,984.00	
Meridian Heights Water & Sewer Association (18-May-07).....	\$350,000	\$335,939.89	
McGuire Estates Water Users Association (4-Mar-05).....	\$60,851	\$49,250.95	
Monument Ridge Homeowners Association (20-Mar-09; irrigation syst	\$360,000	\$293,913.35	
Mores Creek Rim Ranches Water District.....	\$221,400	\$109,514.24	
New Hope Water Corporation.....	\$42,000	\$76,942.00	
New Plymouth Water Users Association .....	\$7,450	\$2,671.68	
Oakley Valley Water Company .....	\$138,331	\$57,589.11	
PPRT Water System.....	\$70,972	\$46,459.70	
Packsaddle Water Corporation .....	\$49,600	\$12,377.88	
Picabo Livestock Co (Picabo town water system new well).....	\$38,000	\$9,276.67	
Pinehurst Water District (14-mar-08; Water Storage tank).....	\$160,000	\$147,422.15	
Point Springs Grazing Association.....	\$9,768	\$1,114.72	
Powder Valley-Shadowbrook Homeowners Assoc. ....	\$201,500	\$12,397.80	
Preston Riverdale & Mink Creek Canal Co.....	\$400,000	\$82,772.26	
Preston-Whitney Irrigation Company (29-May-09; Fairview Lateral Pipe	\$800,000	\$760,000.00	
Producers Irrigation Company (17-Mar-06; well replacements).....	\$185,000	\$113,975.33	
Ranch Subdivision Property Owners Assoc.....	\$24,834	\$18,430.79	
Riverside Independent Water District .....	\$350,000	\$243,353.19	
Robertson Ditch Co.....	\$30,000	\$7,333.20	
Shilo Ranch Estates Homeowners Association.....	\$25,456	\$1,310.12	
Skin Creek Water Association.....	\$188,258	\$139,979.50	
Sourdough Point Owners Association (23-Jan-07; water supply & treat	\$750,000	\$524,568.53	
Spirit Bend Water Association.....	\$92,000	\$74,599.45	
Thunder Canyon Owners Association (6-Feb-04).....	\$92,416	\$64,288.89	
Twenty-Mile Creek Water Association .....	\$104,933	\$22,024.64	
Twin Lakes Canal Company - Winder Lateral Pipeline Project (13-Jul-0	\$500,000	\$448,626.97	
Twin Lakes Canal Company (2-Apr-04).....	\$90,000	\$73,268.32	
Twin Lakes-Rathdrum Fid Cont Dist (24-Oct-02; Twin Lakes Dam).....	\$399,988	\$126,527.80	
Whitney-Nashville Water Company.....	\$225,000	\$108,047.71	
<b>TOTAL LOANS OUTSTANDING.....</b>			<b>\$10,474,880.56</b>
<b>Loans and Other Funding Obligations:</b>			
Senate Bill 1511 - Teton Replacement and Minidoka Enlargement Studies.....	\$755,000.00		
Weiser-Galloway Study (28-May-10).....	\$12,000.00		
Big Wood Canal Company (23-Jan-09; Thorn Creek Flume).....	\$18,651.03		
Canyon Creek Canal Company (14-Mar-08; Pipeline project).....	\$133,599.00		
Clearwater Water District - pilot plant (13-Jul-07).....	\$80,000.00		
Evergreen Terrace Water Association (water study; 25-sep-09).....	\$5,975.00		
Garden Valley Ranchettes Homeowners Association (25-Jan-05).....	\$8,183.69		
Genesee, City of (Storage tank, 22-Jan-10).....	\$200,000.00		
Kulleyspell estates Property Owners Association (water line replacements; 25-sep-09).....	\$500,000.00		
Jefferson Irrigation Company (9-May-2008; Well replacement).....	\$2,610.75		
Lindsay Lateral Association .....	\$35,000.00		
North Snake & Magic Valley GWD Loan - Mitigation Pipeline.....	\$250,000.00		
Meridian Heights Water & Sewer Association (18-May-07).....	\$14,060.11		
Monument Ridge Homeowners Association (20-Mar-09; irrigation system rehab).....	\$66,086.65		
New Hope Water Corporation (23-Jan-19; Well Project).....	\$84,347.88		
Preston-Whitney Irrigation Company (29-May-09; Fairview Lateral Pipeline).....	\$40,000.00		
Sourdough Point Owners Association (23-Jan-07; water supply & treatment).....	\$225,431.47		
South Liberty Irrigation Company (28-May-10; Pipeline project).....	\$200,000.00		
<b>TOTAL LOANS AND OTHER FUNDING OBLIGATIONS.....</b>		<b>\$2,630,945.58</b>	
<b>Uncommitted Funds.....</b>		<b>\$1,339,156.06</b>	
<b>TOTAL.....</b>			<b>\$14,444,982.20</b>

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

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

## *Appendix C: Year-By-Year Summary of Funds*



