IDAHO WATER RESOURCE BOARD

WATER RESOURCE FUNDING PROGRAM

Fiscal Year 2004 Annual Report

Idaho Water Resource Board
322 East Front Street
Boise, Idaho 83720
(208) 287-4800

IDAHO WATER RESOURCE BOARD

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January 25, 2005

The Honorable Dirk Kempthorne, Governor
Members of the Idaho Legislature
Statehouse
Boise, ID 83720

Re: Water Resource Funding Program Annual Report

Dear Governor Kempthorne and Idaho Legislators:

The Idaho Water Resource Board is pleased to present the Fiscal Year 2004 Annual Report on the Board's Water Resource Funding Program. In order to reduce costs, the full report is made available on the Internet at www.idwr.state.id.us/waterboard. This program provides assistance to plan, design, construct, improve, and rehabilitate water resource projects that are in the public interest and in compliance with the State Water Plan. Water availability is perhaps the most important element of maintaining and expanding a strong, stable Idaho economy. The ongoing replacement and improvement of irrigation infrastructure is necessary to ensure continued agricultural production, which provides the economic foundation for the state. The Board works with Idaho's communities to ensure adequate and safe water supplies for the basic water supply needs of the residents and to attract new businesses and industries. The Board through this program also played a major role in carrying out the provisions of the *Eastern Snake Plain Aquifer Settlement, Restoration and Recovery Agreement for 2004*.

During FY04 nearly $3.5 million was authorized for 27 projects as described in this report. Significant projects include the replacement of the collapsed Last Chance Canal Flume across the Bear River, the replacement of the Lower Payette Canal Diversion Dam, the replacement of the Sunset Heights Water District water supply pipeline that was destroyed by a wildfire, the repair of the town of Viola's main well, and the extension of the Garwood Water District system to serve 25 homes whose domestic wells had gone dry.

Under the provisions of the *Eastern Snake Plain Aquifer Mitigation, Restoration and Recovery Agreement for 2004* the Board loaned $500,000 to the North Snake and Magic Valley Ground Water Districts to be used for mitigation to the water users in the Thousand Springs reach for out-of-priority diversions from the aquifer, and the Board rented 40,000 acre-feet of water for delivery to water users within Water Districts No. 36A and 130 to offset use from the Eastern Snake Plain Aquifer.

322 East Front Street, Boise, ID 83720 Tel: (208) 287-4800 Fax: (208) 287-6700

It is important to note that most of the construction funds authorized during FY2004 were for projects in rural areas of the state. These projects provide both long-term economic and water supply benefits and the short-term economic benefits of increased construction employment and expenditures. This program supports Governor Kempthorne's rural economic development initiative and serves to implement portions of this initiative. There are few things as vital to Idaho's economic development as water.

The Board currently sees several trends that will necessitate expansion of this program. First are the needs of small community water systems in obtaining additional water supplies, improving delivery systems and complying with the ever more stringent drinking water regulations. For example, the new arsenic limits that will take effect in 2006 will affect more than 100 drinking water systems across Idaho. Second, the drought and uncertain energy costs are prompting increased interest in efficiency improvements by many irrigation districts and canal companies. Third, several storage dam repair projects, potentially totaling several million dollars, are currently in the planning or design phase. Continued repair and improvement of aging irrigation system infrastructure will be a major demand on this program in future years.

Additionally, the Board stands ready to assist with the implementation of a long-term ESPA settlement agreement, including, if directed, managing implementation of the agreement.

The Board believes this program is an excellent example of a successful public/private partnership. With funding and oversight from the Board, private-sector contractors build the projects. When necessary, private-sector engineering consultants provide planning and design services. The Board strives to make opportunities available within this program for the services of private-sector financial institutions. When completed, the projects enhance Idaho's economy by providing lasting benefits in the areas of irrigation and community water supplies, flood control, and hydroelectric power generation.

We trust that the Governor and the Legislature will recognize the valuable service that the Board provides in assisting the planning, construction, and rehabilitation of Idaho's water resources infrastructure and continue to support this invaluable program.

Respectfully,

Jerry R. Rigby
Chairman

WATER RESOURCE FUNDING PROGRAM

Fiscal Year 2004 Annual Report

(July 1, 2003 - June 30, 2004)

IDAHO WATER RESOURCE BOARD

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Idaho Department of Water Resources

Prepared by Brian W. Patton, P.E.

Cover Photograph: the Aberdeen-Springfield Canal Company's Feeder Canal Check Dam, which was replaced in 2003-2004 with assistance from the Water Resource Board. The Aberdeen-Springfield Canal Company delivers irrigation water to approximately 60,000 acres of land near Aberdeen.

"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 Water Resource Board 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 2004.

Cut-off wall being constructed during the replacement of the Twin Lakes Dam. The work is scheduled to be complete by spring of 2005. The dam, originally constructed in 1906, is owned by the Twin Lakes-Rathdrum Creek Flood Control District and provides for the storage of 9,090 acre-feet of water. The Idaho Water Resource Board is providing financing for the project, which will be repaid over a 15-year term by a property tax assessment on all properties within the District.

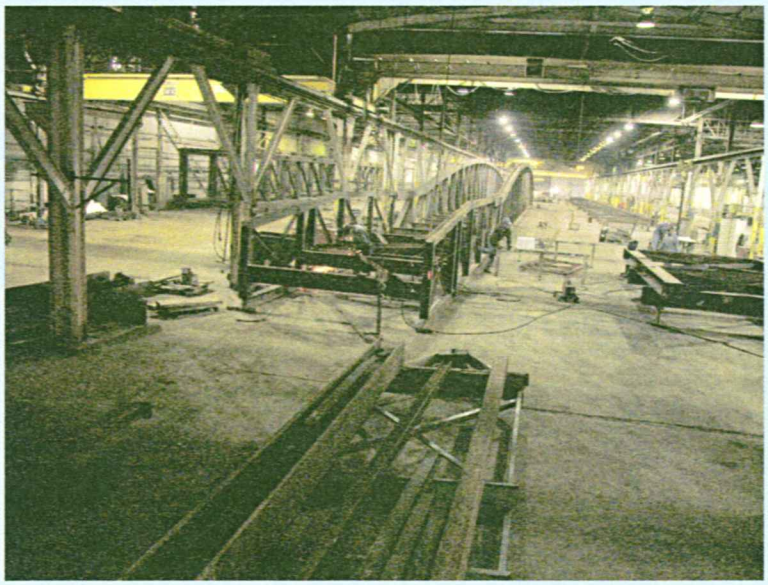
The Idaho Water Resource Board has assisted in the following dam repair, reconstruction and enlargement projects:

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 outlet works
St Johns Dam	irrigation	630	Repair failure of dam
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 (currently under const.)
Johnson Dam	Irrigation	800	Dam repair planning
		TOTAL: 458,138 Acre-Feet	

LAST CHANCE CANAL COMPANY
FLUME REPLACEMENT

The Last Chance Canal Company delivers irrigation water to 147 shareholders on 29,000 acres in the vicinity of Grace in the Bear River Basin. Last Chance has natural flow water rights from the Bear River and storage in Bear Lake. The primary crops grown include seed potatoes, hay, and grains. A flume that carries water across the Bear River to serve about ½ of the Last Chance service area failed during the 2003 irrigation season. Last Chance set up an emergency pumping system to supply water for the remainder of the season, but the flume had to be rebuilt to allow for continued water deliveries on a permanent basis. As the project cost was approximately $900,000, which is larger than allowed for loans from the Revolving Development Account and smaller than usually feasible for revenue bonds, the Water Resource Board had to make innovative use of its authorities to provide the Canal Company the financing it required for the project. The project was complete for the 2004 irrigation season.

Above: Two views of the collapsed Last Chance Canal Company flume.
Below: Replacement flume being fabricated at the Steadfast Bridge manufacturing plant.



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 has been 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 important players 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

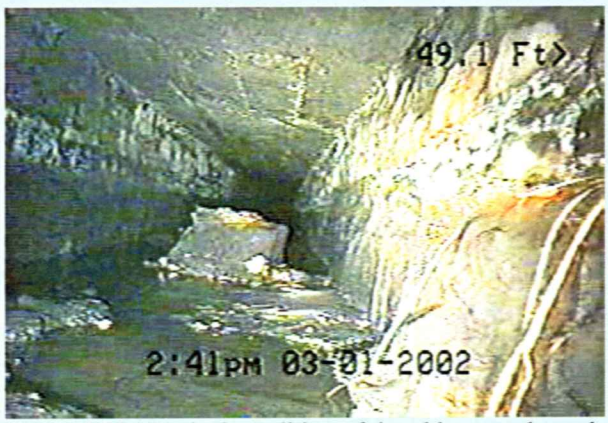
New well being drilled for the Hoyt Bluff Water Association by United Well Drilling (Hayden). The Association delivers domestic water to 70 homes near Rathdrum. The Water Resource Board's loan to the Association to finance the project costs will be repaid by the Association over a 15-year term.

The Idaho Water Resource Board has assisted with the construction of 70 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 Georgetown
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

BOISE CITY CANAL COMPANY REHABILITATION PROJECT

The Idaho Water Resource Board is assisting the Boise City Canal Company with a two-year canal system rehabilitation project. This system provides water to approximately 525 shareholders in and around Boise. The canal runs through downtown Boise. To facilitate the development of downtown Boise the canal was covered approximately 100 years ago. Several sections of the original covered canal remain. The project consists of the replacement of the old covered sections at various locations. The Idaho Water Resource Board is providing the financing needed by the Canal Company to undertake this project.



Above Left: Typical condition of the old covered canal sections. **Above Right:** Replacement covered canal sections being placed prior to the 2004 irrigation season. Additional sections of the canal will be replaced or rehabilitated prior to the 2005 irrigation season.

upgrades or new facilities, many small water systems are finding it difficult to finance the required improvements.

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

Opportunities exist for 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 load on municipal water systems. Since most municipal systems provide some level of water treatment, it can be more cost-effective to use untreated water for 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 in order to remain functional. This can be very costly and often the organizations responsible for the dams have limited ability to pay for the needed rehabilitation or replacement.

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

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 not only serve to make Idaho more energy independent and develop a renewable energy resource but may also provide revenues to the water users to help offset operations and improvement 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.

The new City of Lava Hot Springs water storage tank under construction. The Idaho Water Resource Board assisted the City with this project, which allows the City to make better use of its available water supplies.

PROJECTS FUNDED DURING FISCAL YEAR 2004

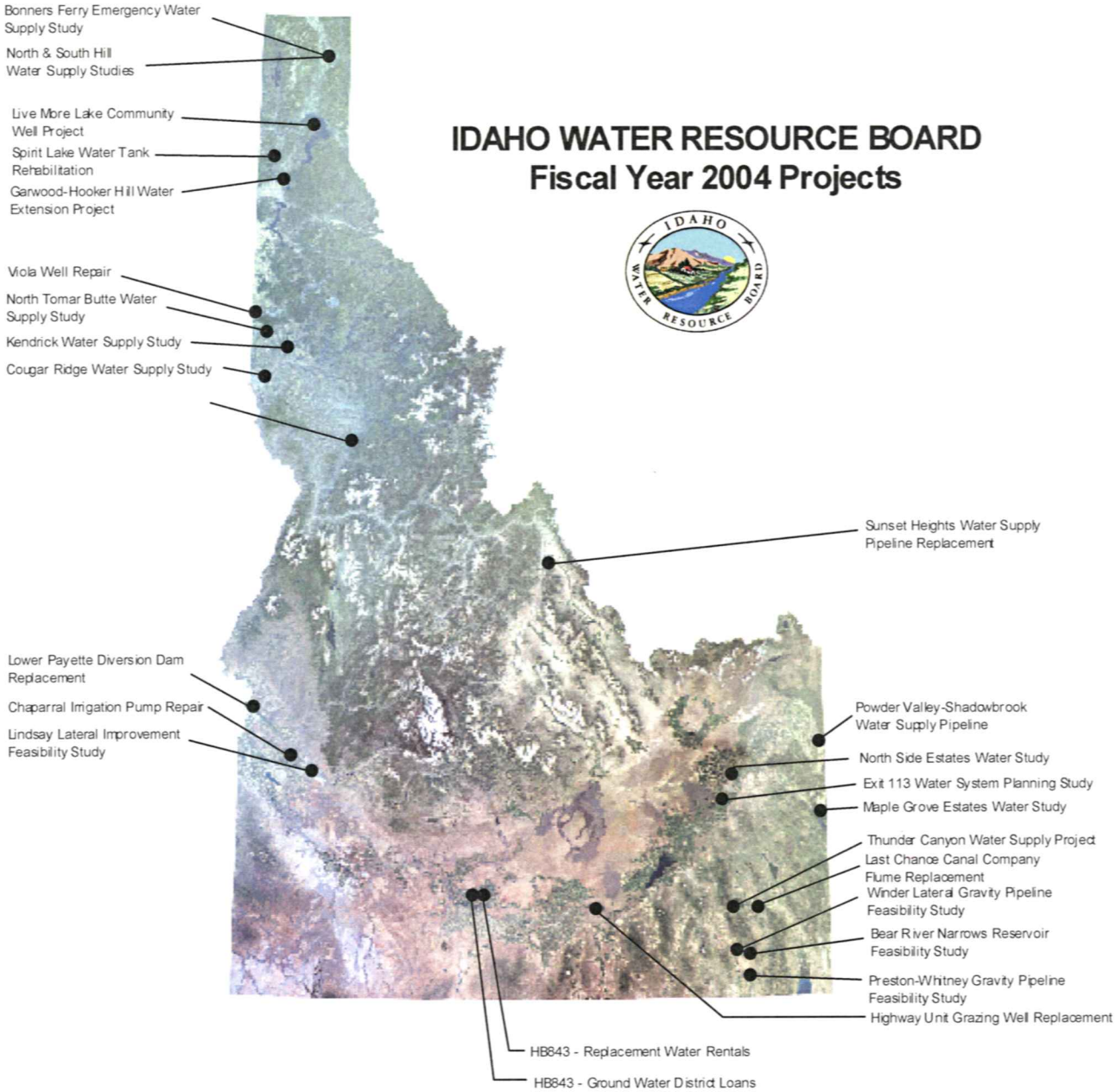
During Fiscal Year 2004, the Idaho Water Resource Board authorized funds for the water projects listed below. More complete descriptions of these projects are included in Appendix A.

	PROJECT	GRANT	LOAN	REVENUE BOND or WARRANT LOAN	IWRB PROJECT EXPENDITURE
1	Bear River Narrows Reservoir Feasibility Study		$100,000		
2	Bonners Ferry Emergency Water Study	$7,500			
3	Bonneville County – Exit 113 water planning study	$5,000			
4	Chaparral Irrigation Pump Repair		$20,000		
5	Clearwater Water District Treatment Plant Planning	$3,750			
6	Cougar Ridge Water Study	$5,000			
7	Eastern Snake Plain Aquifer Settlement Agreement & HB 843 – Replacement Water Rentals				$520,000
8	Eastern Snake Plain Aquifer Settlement Agreement & HB 843 – Magic Valley & North Snake Ground Water District Loans		$500,000		
9	Eastern Snake Plain Aquifer Settlement Agreement & HB 843 – Redirect funds for aquifer management plan				$300,000
10	Garwood-Hooker Hill Extension		$170,000		
11	Highway Unit Grazing Wells		$11,692		
12	Last Chance Canal Flume Replacement		$500,000	$400,000	
13	Kendrick Water Supply Study	$7,500			
14	Lindsey Lateral Upgrade Study	$7,500	$12,500		
15	Live More Lake Community Well		$35,000		
16	Lower Payette Diversion Dam Replacement		$430,000		
17	Maple Grove Estates Water Study	$5,149			
18	North Tomar Butte Water Study	$5,250			
19	North & South Hill Water Studies	$7,650			
20	Northside Estates Water Study	$4,492			
21	Powder Valley-Shadowbrook Homeowners Association (1)		$56,500		
22	Preston-Whitney Gravity Pipeline Study	$7,000			
23	Spirit Lake Water Tank		$136,500		
24	Sunset Heights Water Supply Pipeline Replacement		$50,000		
25	Thunder Canyon Water Supply		$155,000		
26	Viola Well Repair		$20,000		
27	Winder Lateral Gravity Pipeline Study	$7,000			
	TOTALS	**$72,791**	**$2,197,192**	**$400,000**	**$820,000**

(1) $145,000 was authorized for this project in FY01

Grand Total: $3,489,983

IDAHO WATER RESOURCE BOARD
Fiscal Year 2004 Projects



COMPONENTS AND OPERATION OF THE PROGRAM

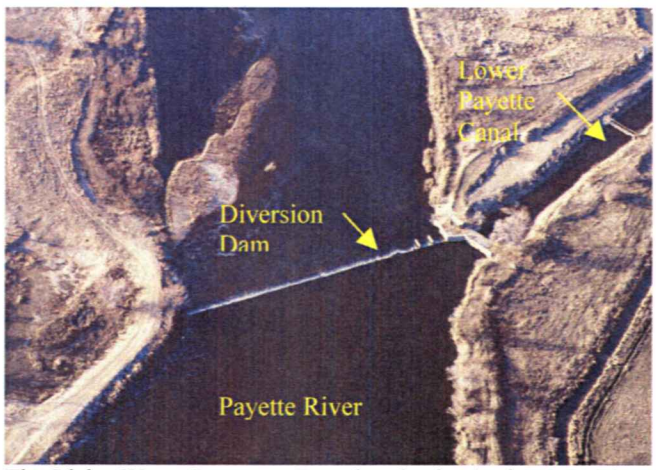
The Water Resource Funding Program provides financial assistance to plan, design, construct, improve, expand, and rehabilitate the infrastructure necessary to deliver water to the people of Idaho and promote the efficient and effective use of Idaho's water resources. The financial assistance provided is in the form of loans, grants, and Board-issued 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 principals 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 the intended problems and needs, and ensure the Boards 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 several occasions the legislature has authorized to Board to undertake projects and studies with regional or statewide significance. During 2004, the Board was directed by the legislature to provide $1.32 million in support of the *Eastern Snake Plain Aquifer Mitigation, Restoration, and Recovery Agreement for 2004*, which prevented the curtailment of more than 1,300 wells on the eastern Snake Plain. The economic impact from this curtailment is estimated to be approximately $700 –to- $900 million annually.

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 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 July 1, 2002 is included in Appendix B.



The Idaho Water Resource Board authorized a $460,000 loan, to go along with a $624,000 federal appropriation, for the Lower Payette Ditch Company's diversion dam and canal headgate replacement project. Lower Payette delivers irrigation water to approximately 13,600 acres of highly productive ground in Payette and Washington counties.

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. The Water Management Account balance sheet as of July 1, 2002 is included in Appendix B.

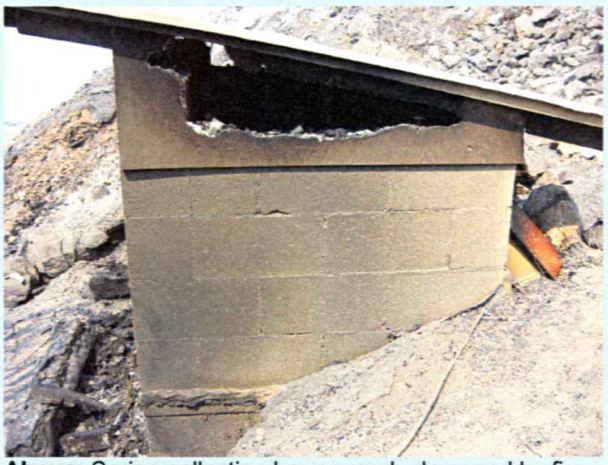
Water Resource Development Revenue Bonds

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. Since 1983 when the first bond was issued through this program, $129 million in project financing was provided for the construction of 149 water projects. 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.

An innovative approach that has been used by the Board is to pool multiple water projects under the issuance of a single bond. Two residential pressure irrigation systems in the Treasure Valley totaling $6.37 million were financed by this method during FY2000. The 2003 Legislature clarified the Board's ability to use its bonding authority to "leverage" its existing revenue stream from loan repayments. This may increase the funds that the Board can provide for water projects in future years.

SUNSET HEIGHTS WATER SUPPLY PIPELINE REPLACEMENT PROJECT

The Sunset Heights Water District delivers domestic water to 50 homes near Salmon. In August of 2003, the Withington Creek Wildfire damaged the District's spring collection box and destroyed the water supply pipeline. The Idaho Water Resource Board provided financing the District needed to repair the collection box and replace the pipeline. A temporary water line was installed to provide water while construction was underway. The project was complete in the fall of 2004.



Above: Spring collection box severely damaged by fire.
Below: Water pipeline destroyed by fire.

WATER PROJECTS AND IDAHO'S ECONOMIC DEVELOPMENT

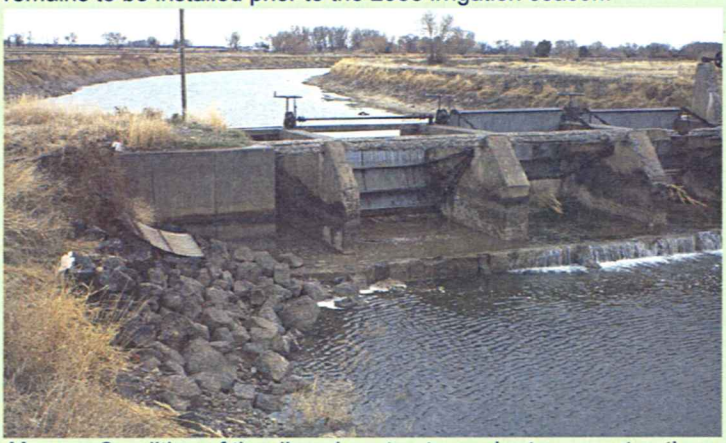
Water is essential for the stability and continued growth of Idaho's economy. Agriculture is a major part of the state's economy and has traditionally been a stabilizing influence to moderate the boom and bust cycles of the state's mining and timber industries. Idaho's newer high-tech industry is subject 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 to 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.

ABERDEEN-SPRINGFIELD CANAL COMPANY FEEDER CANAL DIVERSION STRUCTURE

The Aberdeen-Springfield Canal Company delivers water to approximately 60,000 highly productive acres near Aberdeen. A critical structure in its delivery system controls the diversion of flow from the "feeder canal" to the "main canal." This structure had become deteriorated and in danger of failure. In the event of failure of this structure, water could not be delivered to 60,000 acres of highly productive farmland, causing severe economic impacts. The Idaho Water Resource Board is providing the financing needed to replace this structure. The structure was largely complete and was in use for the 2004 irrigation season. A gate automation system remains to be installed prior to the 2005 irrigation season.



Above: Condition of the diversion structure prior to reconstruction.
Below: Construction of the new structure underway by Cannon Construction (Blackfoot).

LOOKING AHEAD

The Water Resource Board is assisting the people of Idaho with developing 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 also may be further opportunities for the construction of state-sponsored projects that provide regional benefits, such as

construction of additional water storage in the Treasure Valley if studies currently underway show it will be needed.

The Board bonding authority is being considered as a mechanism to finance the elements of the Eastern Snake Plain Aquifer "Strawman Proposal", which includes various actions such as water right purchases, aquifer recharge, and water management projects designed to reduce demand on the aquifer.

Due to the dry conditions and uncertain energy costs, the Water Resource Board is encouraging irrigation system improvements wherever possible. Several are anticipated for the upcoming years. Several dam repair projects are also anticipated in the next few years, possibly totaling several million dollars. Additional municipal and community water system projects are also expected. Given the increasing need for water system improvement and rehabilitation throughout the state, expansion of the program is vital to Idaho's economic future.

Photograph showing the North Snake Groundwater District's "Sandy Pipeline" delivering rented surface water to the Curren Ditch, one the major spring-fed canals in the Hagerman area. The Idaho Water Resource Board provided financing for this project. Additional mitigation and water management projects will be necessary to help solve the Eastern Snake Plain Aquifer situation.

APPENDIX A: PROJECT REPORTS

Fiscal Year 2003 Water Resource Board Funded Projects and Studies

BEAR RIVER NARROWS RESERVOIR FEASIBILITY STUDY

Project Sponsor: Twin Lakes Canal Company
IWRB Funds: $100,000 loan (5.5%, 10-yr)
IWRB Funding Authorized: April 2, 2004
Account: Revolving Development Account

Project Description: The Twin Lakes Canal Company, one of the larger canal systems in the Bear River area, is proposing to undertake a feasibility study of the Bear River Narrows project as a hydropower and supplemental water supply project. The Bear River Narrows project would include the following items:

- A new 100-foot tall (+/-) dam on the Bear River located 4.5 miles down stream of Utah Power's existing Oneida Narrows Dam.
- A 17,800 AF reservoir that would extend to the base of Oneida Narrows Dam.
- A 7 MW (+/-) power plant that would generate about 41,300 MWH/yr.

The Amended Bear River Compact entitles Idaho the future use of Bear River water resulting in the depletion of 125,000 AF/yr. This entitlement is a "first right" which precedes Utah's "second right" to the depletion of 275,000 AF/yr. For Idaho to fully develop this entitlement it will be necessary to construct storage reservoirs as the irrigation season natural flow is fully allocated. An average of 681,300 AF/yr passes Oneida Dam. The State of Idaho, as set forth in the State Water Plan and the Amended Bear River Compact, has policies supporting the development of additional water storage projects in the Bear River Basin. This project, if feasible and it proceeds, would provide substantial economic benefits for both the canal company and its irrigators, but also to the entire southeast Idaho area. The Water Resource Board therefore decided to financially support the feasibility study for this project. The study is being done by the engineering firm of Schiess & Associates (Idaho Falls).

BONNERS FERRY EMERGENCY WATER STUDY

Project Sponsor: City of Bonners Ferry
IWRB Funds: $7,500 matching grant
IWRB Funding Authorized: September 19, 2003
Account: Water Management Account

Project Description: The City of Bonners Ferry delivers water to approximately 2,500 city residents, as well as to about 3,000 people in the North and South Water Districts, which receives water supply from the City's system. Myrtle Creek is the City main water source. The City also has a back-up pumping plant on the Kootenai River that previously had not been used for about 20 years. The Kootenai River pumping plant is not compatible with the current river release pattern from Libby Dam upstream. A major fire burned over the Myrtle Creek drainage, the City's main water source. The fire has left the drainage with steep, burned-over slopes that are bare of vegetation, which likely will give way under rain and snow runoff. If this happens sediment will clog the filtration plant and possibly the water intake. Due to this situation the City is undertook an emergency study to evaluate other water supply options. As a result of this study, done by Tate Engineering (Coeur d'Alene), the City upgraded its pumping and built an emergency connection pipe to the neighboring Cabinet Mountain Water District.

BONNEVILLE COUNTY EXIT 113 WATER PLANNING STUDY

Project Sponsor: Bonneville County
IWRB Funds: $5,000 matching grant
IWRB Funding Authorized: February 6, 2004
Account: Water Management Account

Project Description: The area around Exit 113 from I-15, located between Idaho Falls and Shelley, has experienced some commercial and industrial growth. In addition, several companies want to locate additional facilities at this location consisting of manufacturing and shipping facilities. Because of the large amount of past and predicted growth at this location, the County is undertaking this study to plan for a municipal water system to meet the needs of this area. It is anticipated a water district would be created to own and operate the system. In addition to the IWRB finds, the county and Melaleucca, Inc also provided funds toward this study, which currently underway by the engineering firm of Schiess & Associates (Idaho Falls).

CHAPARRAL IRRIGATION PUMP REPAIR

Project Sponsor: Chaparral Water Association
IWRB Funds: $20,000 loan (5.5%, 3-yr)
IWRB Funding Authorized: June 9, 2004
Account: Revolving Development Account

Project Description: The Chaparral Water Association, located near Star in the Boise River Basin, provides both domestic and irrigation water to 25 members. The water source is groundwater. The irrigated lands total 145 acres and consists primarily of pastures and small hay fields. Pressurized sprinkler irrigation is used. Chaparral's irrigation pump needed to be repaired in order to begin irrigation deliveries. The work has done Layne Pump (Nampa). The pump is repaired and in use for the 2004 irrigation season.

CLEARWATER WATER DISTRICT STUDY

Project Sponsor: Clearwater Water District
IWRB Funds: $3,750 matching grant
IWRB Funding Authorized: April 2, 2004
Account: Water Management Account

Project Description: The Clearwater Water District provides water service to approximately 90 people in the community of Clearwater in Idaho County. The Department of Environmental Quality (DEQ) is requiring the District to conduct an engineering study of its water system to address numerous problems, including improvements to the District's water treatment plant. The study is currently underway by Progressive Engineering (Lewiston).

COUGAR RIDGE WATER STUDY

Project Sponsor: Cougar Ridge Water & Sewer District
IWRB Funds: $5,000 matching grant
IWRB Funding Authorized: February 6, 2004
Account: Water Management Account

Project Description: The In 2001, the Cougar Ridge Water & Sewer District applied to the IWRB for (1) a $15,000 loan to install water meters at their remaining un-metered connections, and (2) a grant to assist in developing a master water plan. The IWRB authorized the loan and the meters were installed in late 2001, but deferred action on the grant as the District had not selected an engineering firm or developed a scope of work for the study. The District met these requirements and requested IWRB action on the grant. The Cougar Ridge Water & Sewer District is located about 2 miles east of Lewiston and provides water service to 72 properties. Water is supplied from 2 ground water wells. The purpose of the study will be to assess the current condition of the water system and plan for future needs and improvements. The study is currently underway by Progressive Engineering (Lewiston).

EASTERN SNAKE PLAIN AQUIFER AGREEMENT FOR 2004 - HB 843

Project Sponsor: Idaho Water Resource Board at direction of the 2004 Idaho Legislature
IWRB Funds: $500,000 loan (4%, 10-yr); $520,000 expenditure for rental water; $300,000 redirection of already encumbered funds
IWRB Funding Authorized: April 2, 2004
Account: Revolving Development Account & Water Management Account

Project Description: The IWRB was given several specific responsibilities in carrying out the *Eastern Snake Plain Aquifer Mitigation, Recovery, and Restoration Agreement for 2004:*

- Ground Water District Loans: Under the Agreement, the Legislature appropriated $500,000 to the IWRB to be loaned to the North Snake and Magic Valley Ground Water Districts. This was used to finance half of the $1 million payment from the Ground Water District to the Thousand Springs Water Users Association as required by the Agreement. The IWRB approved these loans at 4% with a 10-year term. The contracts have been executed and the loan funds disbursed. Each District was loaned $250,000.
- Rental of 40,000 AF: Under the Agreement the Legislature appropriated $520,000 to the IWRB to rent 40,000 AF for delivery within Water Districts 36A and 130. This includes the rental of water at $9.60/AF and the wheeling of water through the North Side Canal system at $3/AF. The Upper Snake Rental Pool, because it filled irrigation requests at 24%, was not able to provide any water for this purpose, but the North Side Canal Company, from its own storage, agreed to provide the balance up to 40,000 AF. The agreement with the North Side Canal Company has been executed, and 40,000 AF was delivered during the 2004 irrigation season.

- Redirection of Encumbered Funds: Under the Agreement, the Legislature directed the IWRB to redirect up to $300,000 of previously encumbered funds to the Department's Miscellaneous Revenue Fund. This has been done. These funds will be used to develop and help implement and long-term aquifer management plan.

GARWOOD-HOOKER HILL EXTENSION PROJECT

Project Sponsor: Garwood Water District
IWRB Funds: $170,000 loan (6%, 15-yr)
IWRB Funding Authorized: June 9, 2004
Account: Revolving Development Account

Project Description: The Garwood Water Cooperative provides water service to 83 homes and 1 commercial service connection in the area of Garwood Road just north of Hayden Lake. Water is supplied from 2 wells that pump from the Rathdrum Prairie Aquifer. Twenty-five (25) homes located in an area called Hooker Hill have no dependable water service. They are supplied by small springs and shallow domestic wells that have gone dry during the summer over the last several years. These homes can be served by extending water lines from the Garwood system. The proposed project is to extend water lines from the Garwood system to Hooker Hill. This will require about 1-3/4 miles of water lines, a storage tank, and a booster pump station. Fire hydrants and water meters will also be included. Garwood has agreed to extend service and assume the additional operations and maintenance required, but the Hooker Hill Extension users must repay the cost the extension themselves. Garwood has agreed to run the loan through the water system with the loan repayment costs added to the water bills of the Hooker Hill Extension users. The project is currently in final design by the engineering firm of Frame & Smetana (Coeur d'Alene).

HIGHWAY UNIT GRAZING WELLS

Project Sponsor: Highway Unit Grazing Association
IWRB Funds: $11,692 loan (5.5%, 5-yr)
IWRB Funding Authorized: August 22, 2003
Account: Revolving Development Account

Project Description: The Highway Unit Grazing Association operates a stock water supply system for the benefit of its 8 members who graze livestock on the Highway Unit Grazing Allotment, which is located just south of Minidoka Dam and Lake Walcott. The water supply system consists of 6 wells and several miles of pipelines that feed numerous watering troughs. Although the water system was constructed and is operated by the Association it is located on BLM ground that the members of the Association utilize through grazing leases. During the summer of 2003, two of the Association's wells dried up, leaving the Association members short of water for their stock. The project consisted of repairing and deepening one well by 20 feet, and replacing one well. Both are now producing sufficient water.

KENDRICK WATER SUPPLY STUDY

Project Sponsor: City of Kendrick
IWRB Funds: $7,500 matching grant
IWRB Funding Authorized: April 2, 2004
Account: Water Management Account

Project Description: The City of Kendrick provides water service to approximately 400 people. Kendrick is located along the Potlatch River, a tributary of the Clearwater River. Water is supplied from 4 wells and Stanton Spring. Kendrick has historically had problems maintaining production from its water supply wells. In all of its wells production has decreased over time. In 1998 Kendrick rebuilt its Stanton Spring source (with an IWRB loan) to recover water that was escaping the deteriorated collection box. This has helped the situation, but additional water supply still needs to be developed. This study will evaluate future water supply options, constraints, and costs, and provide recommendations. The study is currently underway by J-U-B Engineers (Lewiston).

LAST CHANCE CANAL FLUME REPLACEMENT

Project Sponsor: Last Chance Canal Company
IWRB Funds: $500,000 loan (5.5%, 12-yr)
$400,000 revenue bond "warrant"
Total project Cost: $900,000
IWRB Funding Authorized: October 10, 2003
Account: Revolving Development Account

Project Description: The Last Chance Canal Company delivers irrigation water to 29,000 acres in the vicinity of Grace in the Bear River Basin. A flume that carries water across the Bear River to serve about ½ of the Last Chance service area had failed during the 2003 irrigation season. Last Chance set up an emergency pumping system to supply water for the remainder of the season, but the flume had to be rebuilt to allow for continued water deliveries on a permanent basis. The new flume was designed by Sorenson Engineering (Idaho Falls). The new flume bridge was fabricated by Steadfast Bridge (Ft. Payne, Alabama), and installed by local contractors. The new flume was operational for the 2004 irrigation season.

LINDSAY LATERAL IMPROVEMENT STUDY

Project Sponsor: Lindsay Lateral Association
IWRB Funds: $7,500 grant, $12,500 loan (5.5%, 10-yr)
IWRB Funding Authorized: August 22, 2003
Account: Water Management Account & Revolving Development Account

Project Description: The Lindsey Lateral Association provides residential irrigation service to approximately 200 shareholders in Boise. Water is supplied through the Nampa-Meridian Irrigation District. The Lateral Association then delivers the water to the users through its open ditch system. An average of 200 AF is delivered annually. The existing irrigation system is an open ditch system that has been in use since the early 1900's. Parts of the system are in need of major rehabilitation. The system requires a rotation schedule that some find inconvenient, and water deliveries to some parts of the system are difficult. Due to these problems the members voted to undertake a feasibility study to evaluate the possibility to constructing a pressure pipeline system that would provide pressurized irrigation service to every property. The study is currently underway by the engineering firm of Quadrant Consulting (Boise).

LIVE-MORE LAKE COMMUNITY WELL PROJECT

Project Sponsor: Live-More Lake Community Association
IWRB Funds: $35,000 loan (6%, 10-yr)
IWRB Funding Authorized: June 9, 2003
Account: Revolving Development Account

Project Description: The Live-More Lake Community is a homeowners association that delivers water to 13 homes located approximately 10 miles from Sandpoint. Water had been supplied from a single well whose production had dropped to 2 GPM. The project was the construction of a second well. The well was constructed by McCarty Drilling & Pump (Rathdrum). The well was tested at 11 GPM. The project was complete and operational during the fall of 2004.

LOWER PAYETTE DIVERSION DAM REPLACEMENT

Project Sponsor: Lower Payette Ditch Company
IWRB Funds: $430,000 loan (5.5%, 10-yr)
Total project Cost: $1.13 million
IWRB Funding Authorized: April 2, 2004
Account: Revolving Development Account

Project Description: The Lower Payette Ditch Company delivers irrigation water to 460 shareholders for the irrigation of about 13,600 acres. Lower Payette's service area is generally located in the vicinity of Payette and Weiser. Lower Payette has natural flow water rights from the Payette River and storage in several Payette River Basin reservoirs. The existing plank-board diversion structure was constructed in 1929 and has exceeded its useful life. The structure needs replacement or major rehabilitation in order for Lower Payette to reliably continue water deliveries to its shareholders. The concrete foundation has deteriorated and erosion at the downstream toe of the structure threatens to undermine the dam. The headgate was also built in 1929 and should also be rehabilitated. The proposed project is to replace the diversion dam and rehabilitate the headgate. A new concrete foundation will be constructed with adequate erosion protection. A 380-foot long by 2.5-foot high rubber bladder dam will be used instead of plank-boards. The rubber dam can be set to automatically maintain the water level at a specified height, eliminating the need for the operator to enter

the river to install or remove plank boards. A boat/fish passageway will be included adjacent to the south bank. The headgate concrete will be repaired and new slide gates will be installed. Holliday Engineering (Payette) is providing engineering services. The rubber dam is being supplied by Bridgestone Corporation. Construction is planned to begin after the 2005 irrigation season.

MAPLE GROVE WATER STUDY

Project Sponsor: Maple Grove Homeowners Association
IWRB Funds: $5,149 matching grant
IWRB Funding Authorized: October 10, 2003
Account: Water Management Account

Project Description: The Maple Grove Homeowners Association delivers water to a second home community at Palisades Reservoir. There are 14 homes connected to the system with the potential for 52 homes in the future. The DEQ is required the Association to conduct an assessment of the system to determine what improvements are needed prior to adding additional connections. This assessment is currently underway by the engineering firm of Schiess & Associates (Idaho Falls).

NORTH TOMAR BUTTE WATER STUDY

Project Sponsor: North Tomar Butte Water District
IWRB Funds: $5,250 matching grant
IWRB Funding Authorized: April 2, 2004
Account: Water Management Account

Project Description: The North Tomar Butte Water & Sewer District provides water service to approximately 300 people. The District is located about 4 miles east of Moscow. Water is supplied from 3 wells. The District's water supplies currently exceed the new arsenic limits that will take effect in 2006. The District is undertaking this study to determine how to comply with the new requirements. The study is currently underway by J-U-B Engineers (Lewiston).

NORTH & SOUTH HILL WATER STUDY

Project Sponsor: North Water District & South Hill Water District
IWRB Funds: $7,650 matching grant
IWRB Funding Authorized: June 9, 2004
Account: Water Management Account

Project Description: The North Water & Sewer District and the South Hill Water & Sewer District (Districts) purchase their water supplies from the City of Bonners Ferry for delivery to their respective customers.
In 2003 the Myrtle Creek Fire severely damaged the watershead from which Bonners Ferry draws its water supplies. This makes this water source extremely problematic until the vegetation in the watershead is restored. In response to this problem the City is conducting a *Water Supply Study and Master Plan*. The City is requesting financial participation in this study from the Districts since they draw their water supplies from the City. Each District's share is estimated to be $7,650. The study is underway by the engineering firm of Welch-Comer & Associates (Coeur d'Alene).

NORTH SIDE ESTATES WATER STUDY

Project Sponsor: North Side Homeowners Association
IWRB Funds: $4,492 matching grant
IWRB Funding Authorized: October 10, 2003
Account: Water Management Account

Project Description: The Northside Estates Homeowners Association delivers water to approximately 50 people north of Idaho Falls. This water system has several problems, including lack of pressure, a pumphouse that does not meet requirements, and the well pumps sand. The DEQ is required the Association to conduct an assessment of the system to determine what improvements are needed. This assessment is currently underway by the engineering firm of Schiess & Associates (Idaho Falls).

POWDER VALLEY WATER SUPPLY PROJECT

Project Sponsor: Powder Valley-Shadowbrook Homeowners Association
IWRB Funds: $201,500 loan (5.5%, 10-yr) ($145,000 of this was authorized during FY01)
IWRB Funding Authorized: August 22, 2003
Account: Revolving Development Account

Project Description: The Powder Valley-Shadow Brook Homeowners Association (Association) provides water service to 47 existing homes about 1 mile east of Driggs. This water system was constructed in 1992 to serve the Powder Valley and Shadowbrook subdivisions by the subdivision developer, who has since gone bankrupt. The DEQ was never informed of the construction of this water system, and only learned of it after a complaint from one the users. The DEQ's investigation revealed that the Association's 3 wells were not constructed to public drinking water standards, potentially posing a health risk to the system users. The DEQ has classed this as an "illegal system," although fines have not been levied because the Association is working to correct the problem. IWRB authorized $201,500 for a project to connect into the City of Driggs water system. This is the most cost-effective solution to this problem. The work was complete during spring of 2004 by Alta Construction (Driggs).

PRESTON-WHITNEY GRAVITY PIPELINE FEASIBILITY STUDY

Project Sponsor: Preston-Whitney Reservoir Company
IWRB Funds: $7,000 matching grant
IWRB Funding Authorized: June 9, 2004
Account: Water Management Account

Project Description: The Preston-Whitney Reservoir Company (PWRC) delivers storage and natural flow water to 52 shareholders water users in a 1,559-acre service area near Preston. Most water users use sprinkler irrigation by pumping from open canals. This system appears to have suitability for conversion to a gravity-pressure pipeline. This could substantially reduce pumping costs for these water users. The study is currently underway by Bennett Consulting, a local engineering firm.

SPIRIT LAKE WATER TANK REHABILITATION

Project Sponsor: City of Spirit Lake
IWRB Funds: $136,000 loan (6%, 10-yr)
IWRB Funding Authorized: October 10, 2003
Account: Revolving Development Account

Project Description: The City of Spirit Lake delivers water to an estimated population of 1600 people. There are 600 residential connections and 32 commercial connections served by this system. Water is pumped from 3 deep wells that tap the northern edge of the Rathdrum Prairie Aquifer. In 1996 the City undertook a major water improvement project. As part of that project a new 225,000-gallon storage tank was constructed. The old 100,000-gallon elevated storage tank was taken off-line but was left in place. The City has seen a substantial increase in population over the last decade (up from 790 in 1990) resulting in a need to improve water service and provide additional storage for fire protection. The City's consulting engineer, Sewell & Associates (Newport, WA) has determined the most cost-effective way to accomplish this is to rehabilitate the old tank and return it to service. The project plans and specifications have been completed, but the work has not yet begun.

SUNSET HEIGHTS WATER SUPPLY PIPELINE REPLACEMENT

Project Sponsor: Sunset Heights Water District
IWRB Funds: $50,000 loan (6%, 10-yr)
Total project Cost: $160,000
IWRB Funding Authorized: December 5, 2003
Account: Revolving Development Account

Project Description: The Sunset Heights Water District delivers water to 50 homes located about 8 miles south of Salmon. Water is supplied from a spring and conveyed ½ mile by a gravity flow pipeline to a storage tank, from where it is delivered to the homes. In August of 2003 the Withington Creek Fire destroyed the District's pipeline from the spring to the storage tank. The fire also severely damaged the spring collection box. Shortly thereafter the District installed a temporary pipe from the spring to the storage tank. The project was the replacement of the destroyed water pipeline and the repair the spring collection box to ensure continued water deliveries on an ongoing basis. The project was complete and operational by March of 2004.

THUNDER CANYON WATER SUPPLY PROJECT

Project Sponsor: Thunder Canyon Owners Association
IWRB Funds: $155,000 loan (6%, 10 yr)
IWRB Funding Authorized: February 6, 2004
Account: Revolving Development Account

Project Description: The Thunder Canyon Estates Owners Association delivers water to an 87-lot subdivision near Lava Hot Springs. Water is supplied from a single well. The DEQ is requiring the Association to make improvements to the existing well house and construct a 2nd water supply source. The project is currently in final design by Sunrise Engineering (Boise).

VIOLA WELL REPAIR

Project Sponsor: Viola Water & Sewer District
IWRB Funds: $20,000 loan (6%, 10 yr)
IWRB Funding Authorized: October 10, 2003
Account: Revolving Development Account

Project Description: The Viola Water & Sewer District delivers water to an estimated population of 165 people in the small town of Viola, located about 8 miles north of Moscow. Water is supplied from 2 wells.
The District's Well No. 1 was constructed in 1984 to 350 feet deep and produced 115 gpm. Over time the production from the well declined. The last pump test measured 37 gpm. In 1995 the District constructed a second well (Well No. 2). It was intended that Well No 2 would relieve the pressure on Well No. 1 and the original production rate would return to Well No. 1. This has not occurred so the District wants is repairing the well to recover the lost production.

WINDER LATERAL GRAVITY PIPELINE FEASIBILITY STUDY

Project Sponsor: Winder Lateral Association
IWRB Funds: $7,000 matching grant
IWRB Funding Authorized: December 5, 2003
Account: Water Management Account

Project Description: The Winder system is a lateral from the Twin Lakes Canal Company near Preston. The Twin Lakes Canal Company delivers water to Winder Reservoir (2,000 AF) during the non-irrigation season, from where it is released down the Winder Canal during the irrigation season for the irrigation of 1,671 acres. All water users use sprinkler irrigation by pumping from open canals. The Winder system appears to have suitability for conversion to a gravity-pressure pipeline. This could substantially reduce pumping costs for Winder water users. The study is currently underway by Bennett Consulting, a local engineering firm.

APPENDIX B: ACCOUNT BALANCE SHEETS AS OF JULY 1, 2004

Revolving Development Account
Water Management Account

IDAHO WATER RESOURCE BOARD
Sources and Applications of Funds
as of June 30, 2004
REVOLVING DEVELOPMENT ACCOUNT

Original Appropriation (1969)			$500,000.00
Legislative Audits			($9,815.45)
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 and IDWR Studies and Projects			($249,067.18)
Loan Interest			$2,286,756.54
Interest Earned State Treasury (Transferred)			$1,017,061.83
Filing Fee Balance			$52,172.20
Bond Fees			$1,194,329.01
Series 2000 (Caldwell/New York) Pooled Bond Issuers fees			$43,683.12
Water Supply Bank Receipts			$446,993.13
Legislative Appropriation FY01			$200,000.00
Well Easement			$2,000.00
Transferred from Water Management Account			$323,273.00
Dworshak Hydropower Project			
Dworshak Project Revenues			
Power Sales & Other	$2,316,118.08		
Interest Earned State Treasury	41,086.45		
Total Dworshak Project Revenues		$2,357,204.53	
Dworshak Project Expenses			
Transferred to 1st Security Trustee Account	$148,542.63		
Construction not paid through bond issuance	$226,106.83		
1st Security Fees	$250,588.86		
Operations & Maintenance	$427,016.15		
Powerplant Repairs	$47,220.25		
Capital Improvements	$318,366.79		
FERC Payments	$1,032.45		
Total Dworshak Project Expenses		($1,418,873.96)	
Dworshak Project Committed Funds			
Emergency Repair/Future Replacement Fund	$632,258.00		
FERC Fee Payment Fund	$43,968.00		
Total Dworshak Project Committed Funds		$676,226.00	
Excess Dworshak Funds into Main Revolving Development Account			$262,104.57
TOTAL			**$7,085,190.77**

Loans Outstanding:	Amount Loaned	Principal Outstanding
Aberdeen-Springfield Canal Company (WRB-491)	$131,290	$131,290.00
Arco, City of	$40,000	$29,953.84
Bee Line Water Association	$157,500	$157,500.00
Big Wood Canal Company	$140,000	$15,882.12
Boise City Canal Company (WRB-492)	$92,546	$92,545.64
Capital View Irrigation District (WRB-488)	$30,000	$24,502.63
Caribou Acres Water Company	$88,769	$40,866.99
Carlin Bay Property Owners Association.	$115,609	$71,203.25
Carlin Bay Property Owners Association.	$32,014	$26,810.09
Chaparral Water Association	$90,154	$58,509.92
Colburn Water Association	$20,000	$9,011.13
Conant Creek Canal Company	$239,615	$156,838.15
Cougar Ridge Water & Sewer District	$15,000	$12,585.83
Cub River Irrigation Company	$50,000	$29,800.12
Cub River Irrigation Company	$35,000	$26,338.34
Deep Creek Property Owners Association	$25,115	$25,115.00
Dubois, City of	$100,000	$46,783.91
Egin Bench Canals, Inc., et al	$153,000	$13,174.74
Egin Bench Canals, Inc., et al	$164,061	$20,502.43
Fall River Irrigation Company	$50,000	$37,578.41
Firth, City of	$112,888	$102,581.11
Fish Creek Reservoir Company	$339,500	$51,418.27
Georgetown, City of	$278,500	$252,579.57
Harpster Water District	$9,000	$9,000.00
Highway Unit Grazing Association	$11,692	$11,692.00
Honeysuckle Hills Owners Association	$150,000	$110,802.56
Hoyt Bluff Water Association	$175,000	$151,176.79
Idaho Botanical Gardens, Inc	$109,934	$38,351.51
Jefferson Irrigation Company	$100,000	$9,916.29
Jefferson Irrigation Company	$110,780	$101,623.89

Revolving Development Account (Continued)			
Jefferson Irrigation Company	$100,000	$9,916.29	
Jefferson Irrigation Company	$110,780	$101,623.89	
Kendrick, City of	$37,100	$20,482.86	
Kulleyspell Estates Property Owners Assoc.	$219,510	$91,170.91	
Lacey Vista Water Corporation	$28,898	$13,279.82	
Last Chance Canal Company (WRB-497)	$391,702	$490,535.34	
Lakeview Water District	$45,146	$45,146.40	
Lava Hot Springs, City of	$119,746	$119,745.74	
Lava Irrigation Company	$7,880	$5,196.26	
Malad Valley Irrigation Company	$56,000	$19,139.39	
Mangum Heights Water Association	$7,500	$4,949.10	
McCammon, City of	$42,024	$23,234.47	
Midas Water Corporation	$37,014	$16,141.41	
Moravia Water System, Inc.	$37,188	$16,463.06	
Mores Creek Rim Ranches Water District	$221,400	$169,589.83	
Mud Lake, City of	$5,000	$2,863.23	
Nebels Addition Water & Sewer Association	$46,915	$16,825.15	
Nezperce, City of	$326,160	$120,003.08	
New Hope Water Corporation	$42,000	$35,039.53	
New Plymouth Water Users Association	$7,450	$6,842.19	
North Snake Ground Water District	$300,000	$199,954.72	
Oakley Valley Water Company	$138,331	$138,330.61	
PPRT Water System	$70,972	$70,972.00	
Packsaddle Water Corporation	$49,600	$41,743.57	
Park Water Company	$6,500	$4,264.73	
Picabo Livestock Co (Picabo town water system)	$38,000	$31,931.14	
Pierce, City of	$110,000	$26,779.87	
Point Springs Grazing Association	$9,768	$7,339.33	
Powder Valley-Shadowbrook Homeowners Assoc.	$176,082	$201,500.01	
Preston Riverdale & Mink Creek Canal Co.	$400,000	$201,505.92	
Ranch Subdivision Property Owners Assoc.	$19,345	$8,683.34	
Ririe, City of	$55,000	$5,767.12	
Riverside Independent Water District	$350,000	$350,000.01	
Robertson Ditch Co.	$30,000	$25,112.86	
Rocky Beach Water District	$29,933	$5,319.44	
Salem Union Irrigation Company	$79,058	$47,362.98	
Scenic Properties Water Association	$8,887	$6,669.63	
Shilo Ranch Estates Homeowners Association	$25,456	$18,603.56	
Silver Sage Water Corporation	$15,000	$8,108.85	
Singer Ranch Water Association	$16,398	$5,760.92	
Skin Creek Water Association	$188,258	$173,892.90	
Spirit Bend Water Association	$92,000	$63,993.05	
Spirit Bend Water Association	$5,740	$5,739.56	
Spirit Lake, City of (WRB-495; 10-Oct-03)	$11,877	$11,877.38	
Squaw Creek Irrigation District	$20,700	$17,498.12	
Sunset Heights Water District (WRB-502)	$35,868	$31,475.18	
Teton Island Feeder Canal Company	$39,750	$22,278.71	
Thatcher Irrigation Company	$2,680	$1,794.18	
Thunder Canyon Owners Association (6-Feb-04)	18,900.00	$18,899.77	
Twenty-Mile Creek Water Association	$104,933	$90,399.47	
Valley View Estates Water Association	$53,100	$35,204.70	
Viola Water & Sewer District (WRB 498; 10-Oct-03)	$11,397	$11,379.28	
Whitney-Nashville Water Company	$225,000	$192,544.92	
Wilderness Ranch Owners Association	$97,650	$97,649.79	
Willowbrook Estates Prop Owners	$70,209	$8,908.08	
TOTAL LOANS OUTSTANDING			**$5,271,828.00**
Loans and Other Funding Obligations:			
Garwood Water Cooperative (9-June-04)		$170,000.00	
Chaparral Water Association (9-Jun-04)		$20,000.00	
Live-More Lake Community (9-Jun-04)		$35,000.00	
Lower Payette Ditch Company (2-Apr-04)		$100,000.00	
Twin Lakes Canal Company (2-Apr-04)		$100,000.00	
Thunder Canyon Owners Association (6-Feb-04)		$136,100.23	
Viola Water & Sewer District (WRB 498; 10-Oct-03)		$8,620.72	
Spirit Lake, City of (WRB-495; 10-Oct-03)		$124,622.62	
Lindsay Lateral Association (22-Aug-03)		$12,500.00	
Boise City Canal Company (WRB-492; 27-Jun-03)		$16,451.36	
Spirit Bend Water Association (27-Jun-03)		$24,260.44	
Aberdeen-Springfield Canal Company (WRB-491; 25-Apr-03)		$218,710.00	
Harpster Water District (WRB-487; 28-Feb-03)		$1,000.00	
Twin Lakes-Rathdrum Creek Flood Control District No. 17 (WRB-479; 24-Oct-02)		$450,000.00	
Lava Hot Springs, City of (7-Dec-01)		$227,764.26	
TOTAL LOANS AND OTHER FUNDING OBLIGATIONS			**$1,645,029.63**
Uncommitted Funds			**$168,333.14**
TOTAL			**$7,085,190.77**

Idaho Water Resource Board
Sources and Applications of Funds
as of June 30, 2004
WATER MANAGEMENT ACCOUNT

Original Appropriation (1978)	$1,000,000.00
Legislative Audits	($3,145.45)
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	$98,877.74
Filing Fee Balance	$2,673.31
Water Supply Bank Receipts	$840,607.73
Bond Fees	$277,254.94
Funds from DEQ and IDOC for Glenns Ferry Water Study	$10,000.00
Legislative Appropriation FY01	$200,000.00
Tranfer to Revolving Development Account	($323,273.00)
Legislative Appropriation (SB1239, Sugarloaf Aquifer Recharge Project)	$60,000.00
Legislative Appropriation (HB 843 Sec 6)	$520,000.00
TOTAL	**$3,333,781.02**

Grants Disbursed:

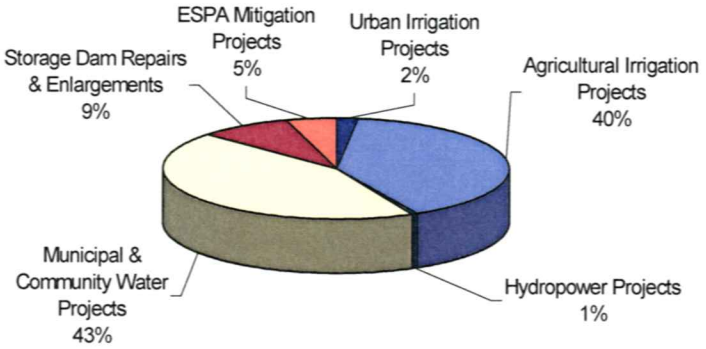
Completed Grants	$1,291,110.72
Arco, City of	$7,500.00
Arimo, City of	$7,500.00
Bancroft, City of	$7,000.00
Bloomington, City of	$4,254.86
Boise City Canal Company	$7,500.00
Bonners Ferry, City of	$3,123.00
Bovill, City of	$2,299.42
Buffalo River Water Association	$4,007.25
Butte City, City of	$3,250.00
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
Cottonwood Point Water and Sewer Association	$2,639.22
Cottonwood, City of	$5,000.00
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
Kooskia, City of	$7,500.00
Lakeview Water District	$2,250.00
Lava Hot Springs, City of	$7,500.00
Lower Payette Ditch Company	$5,500.01
Maple Grove Estates Homeowners Association	$551.03
Moreland Water & Sewer District	$7,500.00
New Hope Water Corporation	$2,720.39
North Lake Water & Sewer District	$7,500.00
Parkview Water Association	$4,649.98
Payette, City of	$6,579.00
Pierce, City of	$7,500.00
Potlatch, City of	$6,474.00

Water Management Account (Continued)		
Preston & Whitney Reservoir Company	$3,606.75	
Roberts, City of	$3,750.00	
Round Valley Water	$3,000.00	
Sagle Valley Water & Sewer District	$2,117.51	
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	
TOTAL GRANTS DISBURSED		**($1,547,544.06)**
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	
TOTAL LEGISLATIVE DIRECTED EXPENDITURES		**($1,599,939.44)**
WATER RESOURCE BOARD RECHARGE PROJECTS		**($11,426.88)**
CURRENT ACCOUNT BALANCE		**$174,870.64**
Committed Funds:		
Grants Obligated		
Bonners Ferry, City of	$4,377.00	
Bovill, City of	$1,764.58	
Cottonwood Point Water & Sewer Association	$4,860.78	
Clearwater Water District	$3,750.00	
Franklin, City of	$750.00	
Iona, City of	$3,574.36	
Juliaetta, City of	$0.00	
Kendrick, City of	$7,500.00	
Lindsay Lateral Association	$7,500.00	
Maple Grove Estates Homeowners Association	$4,597.97	
North Tomar Butte Water & Sewer District	$5,250.00	
North Water & Sewer District	$3,825.00	
Northside Estates Homeowners Association	$4,492.00	
Payette, City of	$0.00	
Plummer, City of	$0.00	
Preston & Whitney Reservoir Company	$7,000.00	
Rupert, City of	$7,500.00	
South Hill Water & Sewer District	$3,825.00	
Winder Lateral Association	$7,000.00	
Legislative Directed Obligations		
Sugarloaf Aquifer Recharge Project (SB1239)	$4,046.31	
ESPA Settlement Water Rentals (HB 843, 2004)	$16,000.00	
TOTAL GRANTS & LOANS OBLIGATED & UNDISBURSED		**$97,613.00**

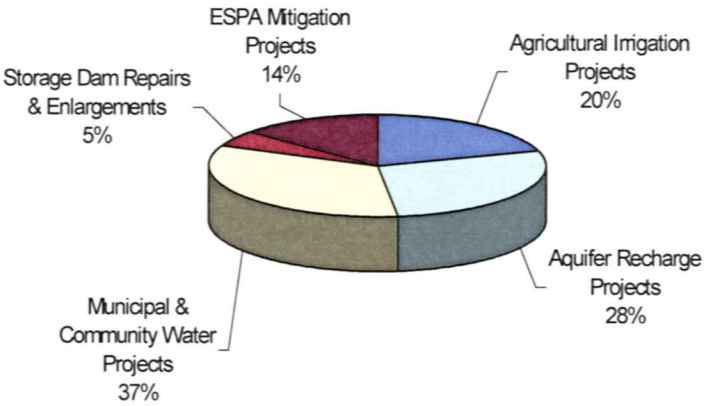
Loans Outstanding:	Amount Loaned	Principal Outstanding	
Arco, City of	$7,500	$6,284.19	
Ashton, City of	$11,280	$7,365.52	
Butte City, City of	$7,425	$7,581.40	
Franklin, City of	$25,000	$2,554.68	
Malad Valley Irrigation Company	$13,500	$6,168.98	
Rapid River Water & Sewer District	$4,995	$3,301.22	
Roberts, City of	$23,750	$21,750.00	
Victor, City of	$23,750	$21,892.80	
TOTAL LOANS OUTSTANDING			**$76,898.79**
Uncommitted Funds			**$358.85**
CURRENT ACCOUNT BALANCE			**$174,870.64**

APPENDIX C: DISTRIBUTION OF FUNDS BY TYPE OF PROJECT

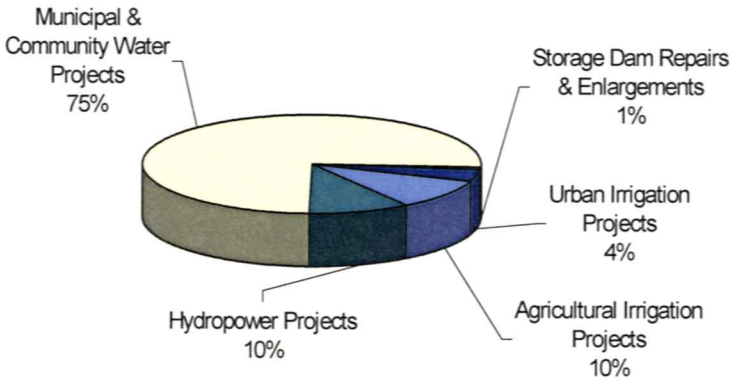
REVOLVING DEVELOPMENT ACCOUNT
Distribution of Funds by Project Type Through FY04



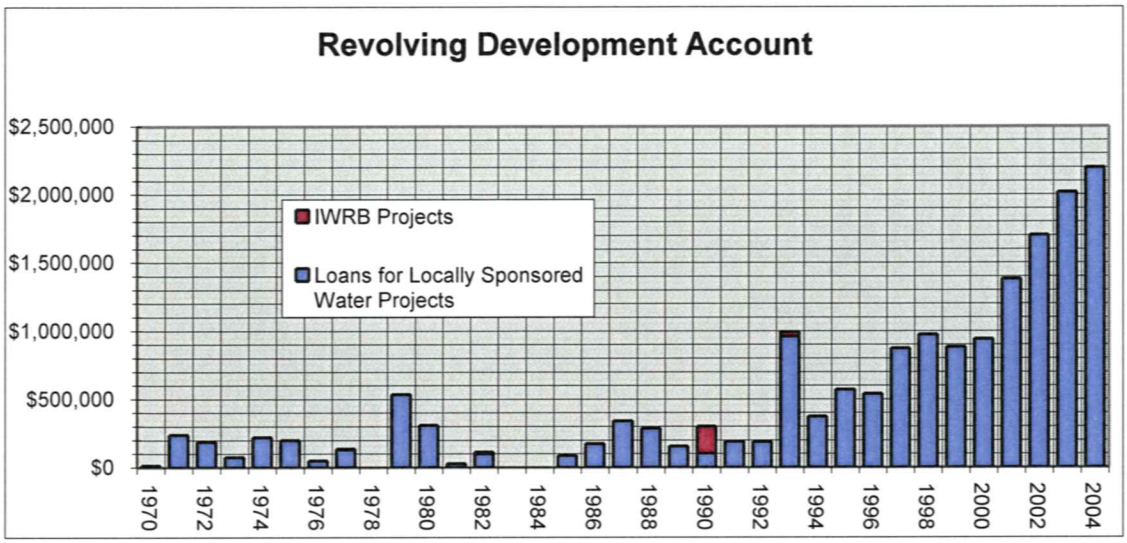
WATER MANAGEMENT ACCOUNT
Distribution of Funds by Project Type Through FY04

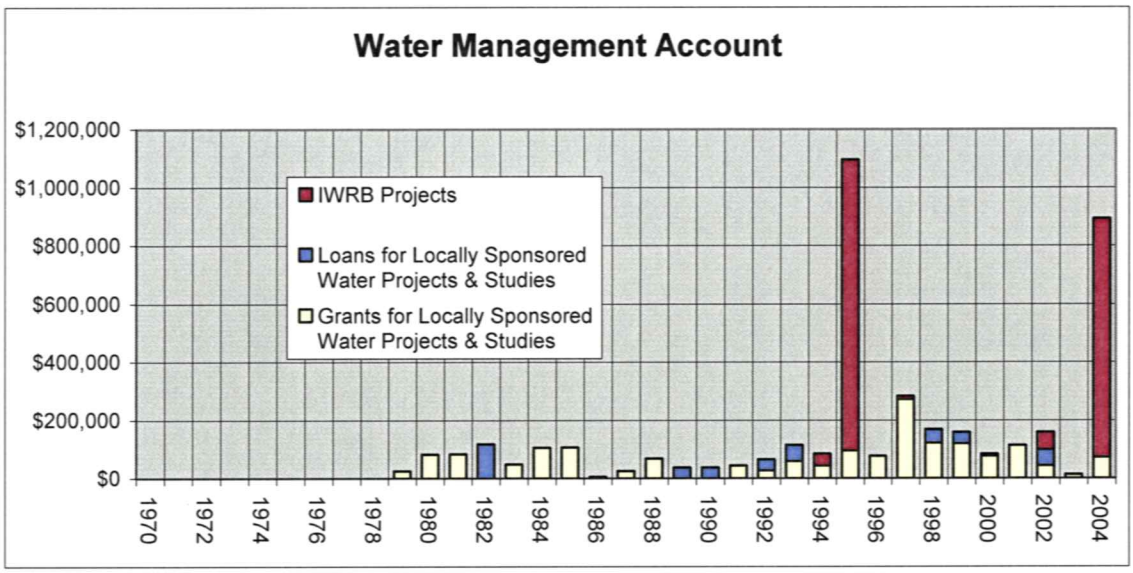


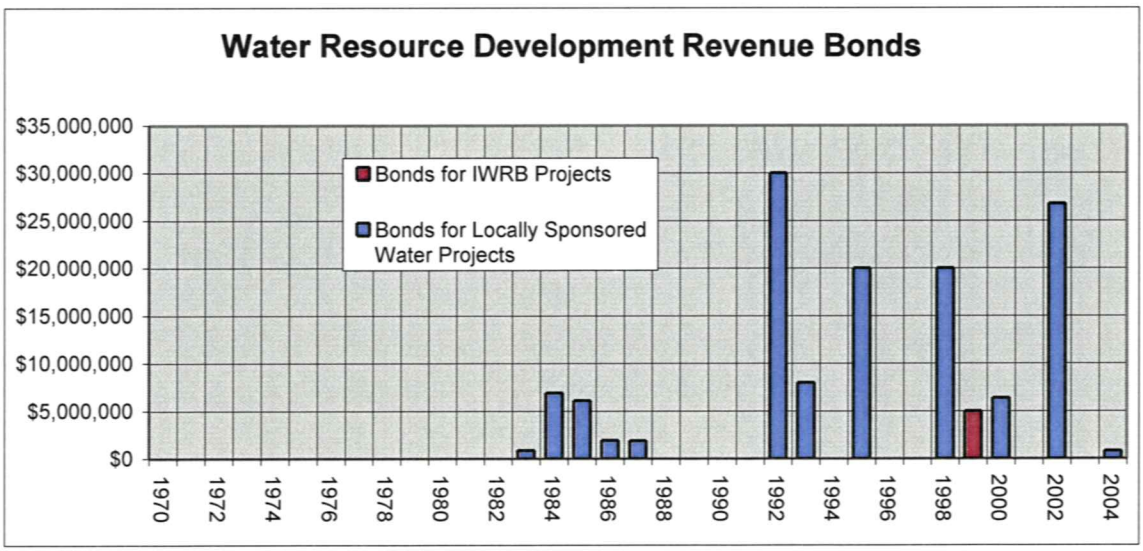
WATER RESOURCE DEVELOPMENT REVENUE BONDS
Distribution of Funds by Project Type Through FY04



APPENDIX D: YEAR-BY-YEAR SUMMARY OF FUNDS AUTHORIZED BY THE WATER RESOURCE BOARD


Revolving Development Account
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$0
IWRB Projects
Loans for Locally Sponsored Water Projects
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004


Water Management Account
$1,200,000
$1,000,000
$800,000
$600,000
$400,000
$200,000
$0
IWRB Projects
Loans for Locally Sponsored Water Projects & Studies
Grants for Locally Sponsored Water Projects & Studies
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004


Water Resource Development Revenue Bonds
$35,000,000
$30,000,000
$25,000,000
$20,000,000
$15,000,000
$10,000,000
$5,000,000
$0
Bonds for IWRB Projects
Bonds for Locally Sponsored Water Projects
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004

Fiscal Year	REVOLVING DEVELOPMENT ACCOUNT		WATER MANAGEMENT ACCOUNT			WATER DEVELOPMENT REVENUE BONDS		TOTALS
	Loans for Locally Sponsored Water Projects	IWRB Projects	Grants for Locally Sponsored Water Projects & Studies	Loans for Locally Sponsored Water Projects & Studies	IWRB Projects	Bonds for Locally Sponsored Water Projects	Bonds for IWRB Projects	
1970	$14,789.00							**$14,789.00**
1971	$239,223.00							**$239,223.00**
1972	$188,000.00							**$188,000.00**
1973	$75,000.00							**$75,000.00**
1974	$220,000.00							**$220,000.00**
1975	$200,000.00							**$200,000.00**
1976	$50,000.00							**$50,000.00**
1977	$131,000.00	$4,917.00						**$135,917.00**
1978								**$0.00**
1979	$534,100.00		$25,000.00					**$559,100.00**
1980	$310,000.00		$82,750.00					**$392,750.00**
1981	$28,724.00		$83,491.00					**$112,215.00**
1982	$100,000.00	$13,517.00		$117,970.00				**$231,487.00**
1983			$48,175.00			$872,200.00		**$920,375.00**
1984			$105,519.00			$6,890,609.00		**$6,996,128.00**
1985	$87,159.00		$106,379.00			$6,099,716.00		**$6,293,254.00**
1986	$174,664.00		$5,000.00			$1,933,224.00		**$2,112,888.00**
1987	$339,902.00		$25,000.00			$1,876,827.00		**$2,241,729.00**
1988	$285,705.00		$68,000.00					**$353,705.00**
1989	$154,224.00			$38,000.00				**$192,224.00**
1990	$102,169.00	$198,945.00		$37,982.00				**$339,096.00**
1991	$190,308.00		$44,339.00					**$234,647.00**
1992	$187,565.00		$27,584.00	$37,850.00		$30,000,000.00		**$30,252,999.00**
1993	$958,947.00	$33,882.00	$59,636.00	$55,165.00		$8,000,000.00		**$9,107,630.00**
1994	$373,000.00		$44,500.00		$39,986.00			**$457,486.00**
1995	$569,061.00		$95,534.00		$1,000,000.00	$20,000,000.00		**$21,664,595.00**
1996	$539,615.00		$77,500.00					**$617,115.00**
1997	$871,612.00		$271,850.00		$11,426.88			**$1,154,888.88**
1998	$972,502.00		$122,128.00	$46,900.00		$20,000,000.00		**$21,141,530.00**
1999	$880,910.00		$119,740.00	$38,500.00			$5,000,000.00	**$6,039,150.00**
2000	$941,143.00		$76,692.00	$7,500.00		$6,370,000.00		**$7,392,085.00**
2001	$1,380,227.00		$113,200.00					**$1,493,427.00**
2002	$1,701,774.00		$44,000.00	$54,750.00	$60,000.00	$26,775,000.00		**$28,635,524.00**
2003	$2,016,135.00		$13,400.00					**$2,029,535.00**
2004	$2,197,192.00		$72,791.00		$820,000.00	$400,000.00		**$3,489,983.00**
TOTALS	**$17,014,808.00**	**$251,261.00**	**$1,732,208.00**	**$434,617.00**	**$1,931,412.88**	**$129,217,576.00**	**$5,000,000.00**	**$150,581,724.88**

Costs associated with this publication are available from the
Idaho Department of Water Resources
In accordance with section 60-202, Idaho Code.