



AGENDA

IDAHO WATER RESOURCE BOARD

Wednesday, July 8, 2020

(This meeting will be conducted using guidance in accordance with Governor Little's Stay Healthy Order issued May 30, 2020 in response to the public health emergency caused by the COVID-19 pandemic.)

Brad Little
Governor

Roger W. Chase
Chairman
Pocatello
District 4

Jeff Raybould
Vice-Chairman
St. Anthony
At Large

Vince Alberdi
Secretary
Kimberly
At Large

Peter Van Der Meulen
Hailey
At Large

Albert Barker
Boise
District 2

John "Bert" Stevenson
Rupert
District 3

Dale Van Stone
Hope
District 1

Jo Ann Cole-Hansen
Lewiston
At Large

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Access Code: 673-626-773

Water Storage Projects Committee Meeting No. 1-20 **1:00 p.m. (MST)**

-
1. Introductions and Attendance
 2. Lost Valley Reservoir Project*
 3. Other Items
 4. Adjourn

Committee Members: Chair Jeff Raybould, Jo Ann Cole-Hansen, Pete Van Der Meulen, and Bert Stevenson

Finance Committee Meeting No. 3-20 **2:00 p.m. (MST)**

-
1. Introductions and Attendance
 2. Flood Mitigation Grant Recommendation*
 3. Other Items
 4. Adjourn

Committee Members: Chair Vince Alberdi, Roger Chase, Dale Van Stone, Al Barker, and Jo Ann Cole-Hansen.

* Action Item: A vote regarding this item may be made this meeting. Identifying an item as an action item on the agenda does not require a vote to be taken on the item.

Americans with Disabilities

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Memorandum



To: Idaho Water Resource Board's Water Storage Projects Committee

From: Cynthia Bridge Clark and Emily Skoro

Date: July 6, 2020

Re: Lost Valley Reservoir Expansion Project – Water Right Application Subordination

COMMITTEE ACTION: Consideration of a resolution to subordinate the IWRB's water right application for the Galloway Dam to Lost Valley Reservoir Company's reservoir enlargement water right application.

Background

Lost Valley Dam and Reservoir (Lost Valley) is an existing 10,000 acre-foot (AF) reservoir located in the headwaters of the Weiser River Basin near Council. It is owned by the Lost Valley Reservoir Company (LVRC), whose shareholders include both individuals and canal companies throughout the Weiser Basin, mostly in the Council, Cambridge, and Midvale areas. Water from Lost Valley is used to irrigate approximately 10,000 acres of land and is mostly supplemental to natural flow water rights owned by the shareholders.

It has long been recognized that Lost Valley has potential to be expanded from 10,000 AF to as much as approximately 30,000 AF. A possible enlargement has been studied at various times by the U.S. Bureau of Reclamation, IWRB, and the LVRC. As part of its plan to expand the reservoir, LVRC submitted a water right application to the Department of Water Resources in 1993.

There are at least two major factors that make raising Lost Valley Dam challenging: 1) the reservoir enlargement would inundate U.S. Forest Service (USFS) land; and 2) the reservoir enlargement would inundate portions of the ESA-listed Northern Idaho Ground Squirrel (NIDGS) habitat around the Reservoir.

Based on general communication with the USFS, pursuit of the project will require environmental review under NEPA, preparation of an Environmental Impact Statement (EIS), and federal consultation under ESA Section 7 (ESA-listed aquatic and terrestrial species or critical habitat) and National Historic Preservation Act Section 106 (NHPA – consultation with ACHP, SHPO, Tribal Historic Preservation Offices, and Indian Tribes). To initiate the EIS process, the USFS will require submittal of a detailed proposal of the scope and plan for the proposed project as well as collection of data and required surveys for certain plant and animal species.

The USFS will then publish a Notice of Intent to inform the public of the preparation of the EIS. The EIS process will require public scoping and appropriate public involvement processes, generation and evaluation of alternatives, and completion of consultation under ESA Section 7 and NHPA Section 106. The USFS will ultimately release a draft EIS, FEIS, and draft and final Record of Decision (ROD) with appropriate public review and comment processes. The ROD will explain the agency's decision, the alternatives considered, and the mitigation and monitoring efforts to be included in the project if necessary. The USFS requires the project proposer fund the process and, depending on available resources, may require contractor support.

Given the significance of the presence of the ESA-listed NIDGS and the commitment required to complete an EIS, the IWRB provided funding to help LVRC determine whether a dam raise would result in impacts to the NIDGS that would be prohibitive to project development. The IWRB approved expenditure of up to

\$30,000 for LVRC to contract a study of potential impacts to the NIDGS and mitigation options (total study cost was estimated to be \$35,000). Dr. Eric Yensen and M. Sc. Teresa Tarifa from Sagebrush Ecosystems LLC and Dr. Denny Mengel and Sam Box with Rio Applied Science and Engineering LLC completed the analyses: *Northern Idaho Ground Squirrel Survey – Lost Valley Reservoir 2018 (Oct 2018)*, *Northern Idaho Ground Squirrel Proposed Conservation Measures – Lost Valley Reservoir 2018 (Dec 2018)*, and *Technical Memorandum, Conservation Measures Cost Estimates for NIDGS at Lost Valley Reservoir (Oct 2019)*. Results showed that an increased pool elevation would impact the NIDGS and the study identified potential “conservation measures that could be used to avoid and minimize take, measures to aid in the recovery of NIDGS populations to offset “incidental” take, and other actions that could be part of a conservation plan.” Based on the study findings, LVRC is considering steps to move forward with the NEPA process and to incorporate this information into the EIS.

Water Right Application Subordination

The proposed Galloway Dam site is located on the Weiser River downstream of the Lost Valley Reservoir. The IWRB filed a water right application for the Galloway Dam project in 1982 (application no. 67-7590). LVRC filed a water right application for the reservoir enlargement in 1993 (application no. 67-7938). Since the priority date of the IWRB’s application is senior to LVRC’s application, LVRC representatives have stated that the enlargement project and ongoing project development efforts do not make financial sense unless the IWRB is willing to subordinate its water right application to the LVRC application. A draft resolution is provided for the Storage Committee’s consideration which contemplates subordination of the IWRB’s water right application contingent upon progress in the development of the project as defined by specified conditions:

- 1) Within three (3) years, LVRC must advance coordination with the United States Forest Service (USFS) such that the USFS has published the Notice of Intent to prepare the EIS for the Project; and
- 2) Within three (3) years, LVRC shows financial support for investigations, environmental studies, and construction of the proposed Lost Valley Dam raise; and
- 3) A Record of Decision is released by the USFS that identifies the dam raise as the selected alternative and LVRC demonstrates the ability to construct the project.

The IWRB may consider an extension of conditions 1 and 2 if LVRC can demonstrate due diligence in the development of the Lost Valley Project.

LVRC Comments

Representatives from LVRC will give a presentation to the Water Storage Projects Committee and address questions.

Attachment(s)

1. Draft resolution to subordinate the IWRB’s water right application
2. PPT presentation provided by representatives from LVRC/IWE

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE LOST VALLEY
RESERVOIR EXPANSION

RESOLUTION TO Subordinate the Board's
Water Right Application No. 67-7590 to Lost
Valley Reservoir Company's Water Right
Application No. 67-7938

1 WHEREAS, the Idaho State Water Plan recognizes that surface water development will play a role
2 in meeting Idaho's future water needs, it supports assessment and development of new high potential
3 storage facilities; and
4

5 WHEREAS, an enlargement of the Lost Valley Reservoir, located in the Weiser River Basin north of
6 Council, Idaho is identified in the 2012 Idaho State Water Plan as a reservoir site with apparent high
7 potential for development; and
8

9 WHEREAS, the Lost Valley Reservoir Company Board (LVRC) is investigating a potential raise of
10 the Lost Valley Dam (Lost Valley Project) to increase reservoir capacity to as much as 30,000 acre-feet and
11 provide approximately 20,000 acre-feet of additional water supply for irrigation by existing shareholders,
12 other water users in the Weiser River Basin, recreation, fish and wildlife, and other purposes based on
13 interest; and
14

15 WHEREAS, the LVRC filed a water right application for the additional storage water in 1993 (No.
16 67-7938) and later completed initial design and cost estimates for construction of the Lost Valley Project.
17 In 2013, the LVRC began investigating environmental compliance requirements and updating hydrologic
18 analyses; and
19

20 WHEREAS, in 1982, IWRB filed a water right application No. 67-7590 for the proposed Galloway
21 Dam on the Weiser River. The application contemplates a total storage capacity of up to 1,500,000 acre-
22 feet; and
23

24 WHEREAS, the priority date of IWRB's water right application would reduce the fill potential of
25 the new Lost Valley Reservoir space and limit the economic viability of the Lost Valley Project; and
26

27 WHEREAS, subordinating water right application No. 67-7590 would allow the new Lost Valley
28 Reservoir space to be filled prior to the reservoir formed by the Galloway Dam;
29

30 NOW, THEREFORE BE IT RESOLVED that the IWRB will permanently subordinate its water right
31 application to LVRC's water right application so long as LVRC can demonstrate the following conditions
32 are met:
33

- 34 1) Within three (3) years, LVRC must advance coordination with the United States Forest
35 Service (USFS) such that the USFS has published the Notice of Intent to prepare the EIS for
36 the Project; and
37

38 2) Within three (3) years, LVRC shows financial support for investigations, environmental
39 studies, and construction of the proposed Lost Valley Dam raise; and
40

41 3) A Record of Decision is released by the USFS that identifies the dam raise as the selected
42 alternative and LVRC demonstrates the ability to construct the project.
43

44 NOW, THEREFORE BE IT FURTHER RESOLVED that the IWRB may consider an extension of
45 conditions 1 and 2 if LVRC can demonstrate due diligence in the development of the Lost Valley Project.

DATED this 30th day of July 2020.

ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST _____
VINCE ALBERDI, Secretary



Lost Valley Reservoir Enlargement Proposal



Doug McAlvain,
Hal Anderson and Doug Jones
July 8, 2020





Outline

- Brief History
- Subordination
- Next Steps
- Proposal

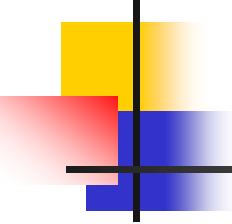


Proposed Enlargement

- Raise water level by 30 feet
- Increase storage from 10,000 acre-feet to 30,000 acre-feet
- Provide a minimum pool of 3,000 to 5,000 acre-feet
- 110 year old dam in need of replacement this project provides opportunity to provide additional storage water and replace dam.



Timeline of Lost Valley Reservoir

- 
- Jun 2, 1993 Application filed
 - Dec 20, 1993 Protest filed by US Forest Service
 - Mar 5, 1999 IDWR Prehearing Conference
 - Apr 1, 2013 Lost Valley Reservoir Company (LVRC) signs Agreement with Idaho Water Engineering (IWE)
 - 2013, 2014 Meetings with USFS, Northern Idaho Ground Squirrel Recovery Team and Adams County Commissioners (including one on-site meeting for all, on July 24, 2014)

Timeline of Lost Valley Reservoir (cont.)

- Sep 14, 2014 Presentations before the Idaho Water Resource Board Water Storage Project Committee Meeting in Weiser
 - Some comments in favor
 - One presentation opposed
 - Middle Valley Ditch Corp.
 - Issues of Concern identified in a letter dated Sep 9, 2014
 - Inadequate water for annual fill
 - Bypass flows will be required
 - High costs of the project – could put the project in financial risk

Timeline of Lost Valley Reservoir (cont.)



- 2015 Efforts to Install Measuring Devices
- Apr 29, 2016 Measuring Device installed on Lost Valley Creek
- Aug 3, 2016 Onsite Meeting
- Oct 25, 2016 Initial Planning Meeting, Adams County Courthouse
- Fall 2016 Survey of reservoir topography collected using drone technology

Timeline of Lost Valley Reservoir (cont.)

- Spring 2017 Telemetered devices adjusted for measurement of reservoir level and outflow, and remote outlet control
- 2017 Measurements collected and remote operation refined
- 2017 Hydrology recalculated
- 2018 – 2019 Study on Northern Idaho Ground Squirrel (NGIS)
- 2019 Mitigation Plans developed for NGIS and additional onsite meeting conducted
- 2020 Project moving forward toward EIS



Subordination of Galloway to Lost Valley

- Date of Priority of Galloway – 7/9/1982
- Date of Priority of Lost Valley – 6/2/1993

Options	Type ?	Basin	Sequence	Suffix	Application Number	Basis	Status	Priority Date	Div. Rate (cfs)	Source	Water Use	Owner
Details More Options	<u>Water Application</u>	67	7590		44040		Active	07/09/1982	7800	WEISER RIVER	FISH PROPAGATION FROM STORAGE, FISH PROPAGATION STORAGE, IRRIGATION FROM STORAGE, IRRIGATION STORAGE, POWER, POWER FROM STORAGE, POWER STORAGE, RECREATION STORAGE	STATE OF IDAHO
Details More Options	<u>Water Application</u>	67	7938		43593		Active	06/02/1993	20000	LOST CREEK	IRRIGATION FROM STORAGE, IRRIGATION STORAGE, RECREATION STORAGE	LOST VALLEY RESERVOIR CO



Subordination

- Lost Valley Reservoir requests subordination of Galloway by the IWRB.
- Without this subordination further studies for Lost Valley Reservoir are not warranted.



Advantages to IWRB

- Beneficial to summer flows.
- Carry-over storage will enhance the fishery in Lost Valley Reservoir and downstream.
- Additional storage to work in tandem with Galloway, if built.
- This is a low-cost storage project for Idaho, and provides an opportunity for the IWRB or other water users to acquire some of the storage.



Offerings of the 20,000 acre-feet of additional storage

1. Existing shareholders
2. Dead storage to the State of Idaho
3. Other water users in the Weiser River Basin
4. IWRB
5. Others



Lost Valley Reservoir Projected Construction Costs, for 20 KAF of Additional Storage

- 1992 -- \$2.3 M
- 2020 -- \$10 M

Per former IWRB Chairman: “Enlargement
of Lost Valley Reservoir is the least cost
new storage in Idaho”



Process

- Discuss/ review recreation, wildlife, fishery and infrastructure alternatives if reservoir is expanded.
- Develop proposal (SF-299) for USFS.



Composition of Proposal Team

- Lost Valley Reservoir Company
- Weiser Basin Water Users
- Adams and Washington Counties
- US Forest Service
- Northern Idaho Ground Squirrel Recovery Team
- Idaho Water Resource Board
- USDA – Rural Development
- Facilitated by Idaho Water Engineering



Assistance Needed from the US Forest Service and the Idaho Water Resource Board

- Participate in the proposal development process as a stakeholder (beneficiary of carry-over pool and higher summer flows)



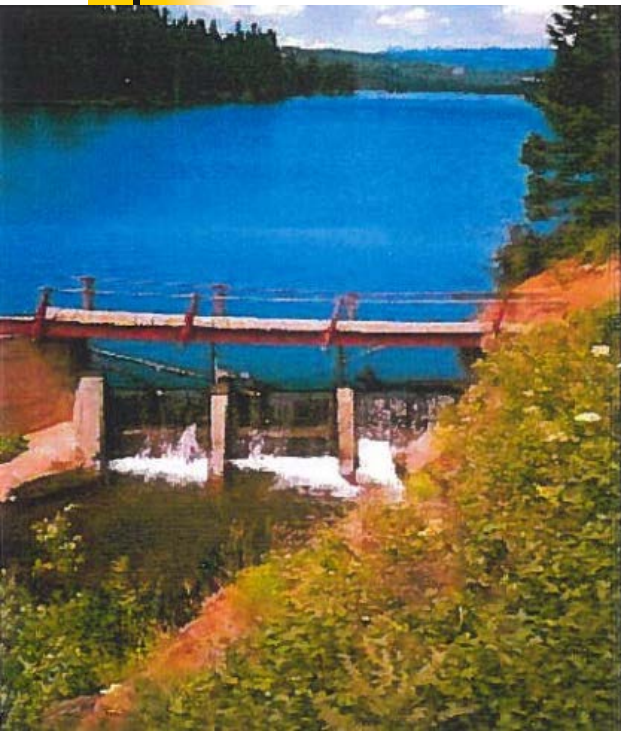
Proposal by Lost Valley Reservoir Company -- 2020

- Subordination of this project to the Galloway
- In the future we will be requesting financial participation in the project via a Public Private Partnership:
 - EIS
 - Preliminary Engineering

Goal to Begin Construction 2023



Thank you.



208-378-1513

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Idahowaterengineering.com

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info@idahowaterengineering.com



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Memorandum

To: Idaho Water Resource Board
From: Neeley Miller & Rick Collingwood, Planning & Projects Bureau
Date: July 6, 2020
Re: Flood Management Grant Applications and Ranking



Action: Funding recommendation for consideration by the IWRB at July meeting

FY 2020 Flood Management Grant Program

House Bill 646 passed and approved by the 2020 Legislature included a \$1,000,000 transfer from the General Fund to the Water Management Fund, with \$800K for the Flood Management Grant Program and \$200K for the Mid-Snake Water Quality Monitoring and Modeling effort.

On April 3, 2020 the IWRB adopted by resolution proposed criteria establishing an application deadline of Friday June 19, 2020. The IWRB plans to award funds at the July Board meeting.

Staff received a total of fourteen (14) applications. The applications and sponsor's grant documents were evaluated, scored, and ranked according to criteria adopted by Board. See the attached summaries and ranking sheet.

Attachment(s):

2020 Flood Management Grant Project Summaries
Application Ranking Sheet

2020 FLOOD MANAGEMENT GRANT PROJECTS SUMMARIES & RANKINGS

1. LEWIS SOIL CONSERVATION DISTRICT – Alpine Flood Mitigation Project

Lewis Soil Conservation District is requesting a \$18,425.30 IWRB flood management grant for the \$46,709.30 Alpine Road Flood Mitigation project. The remaining matching funding of \$28,284.00, which is a combination of cash matching funds and in-kind services, will be provided by the Lewis Soil Conservation District, Prairie Highway District, and the Idaho Transportation Department. The goal of the project is to reduce flooding at the intersection of Alpine Road, Powerline Road, and State Highway 64, by replacing the existing undersized culverts with larger culverts designed to convey the 50-year storm event, and sediment deposition to Sixmile Creek. The project is located Lewis County near Nez Perce, Idaho. Flooding events that exceed the 10-year to 25-year flows overtop the intersection, requiring the Prairie Highway District and the Idaho Transportation Department to repair and regrade the intersection after each flooding event. The proposed culvert replacements will reduce ongoing road repairs and site grading.

2. CLEARWATER SOIL & WATER CONSERVATION DISTRICT – Louse Creek Flood Mitigation Project

The Clearwater Soil & Water Conservation District is requesting a \$24,687.00 IWRB flood management grant for the \$56,453.00 Louse Creek Flood Mitigation project. The remaining matching funding of \$31,766.00, which is a combination of cash matching funds and in-kind services, will be provided by Clearwater County and the District. The project is located in Clearwater County near Cavendish, Idaho. The goal of the project is to mitigate overtopping of Newman Road, causing damage to the road and sediment deposition to Louse Creek, and impacting crop yields by flooding of agricultural land by replacing the undersized culvert with a larger culvert that will convey the 50-year to 100-year flood flows. Along with the larger culvert, Newman Road will be raised to accommodate the large culvert and further reduce the risk of flood flows overtopping the road.

3. CITY OF BELLEVUE – Lower Howard Preserve Flood Mitigation Project

City of Bellevue is requesting a \$57,880.00 IWRB flood management grant for the \$120,980.00 Lower Howard Preserve Flood Mitigation project. The remaining matching funding of \$63,100.00, which is a combination of cash matching funds and in-kind services, will be provided by the City of Bellevue, Flood Control District No.9, and the Wood River Land Trust. The goal of the project is to reduce flooding impacts to downstream residences and decrease erosion and loss of landowner's property. To achieve these goals, improvements to the main channel of the Big Wood River to reduce flow velocities by constructing grade control features and reconnecting the river to the floodplain and side channel, which will also improve fish and wildlife habitat.

4. TWIN FALLS CANAL CO. & CITY OF TWIN FALLS – Alvin Allen Flood Mitigation Project

Twin Falls Canal Company and the City of Twin Falls is requesting a \$51,000.00 IWRB flood

management grant for the \$101,924.00 Alvin Allen/O Coulee Flood Mitigation project. The remaining matching funding of \$50,924.00, which is a combination of cash matching and in-kind services, will be provided by the Twin Falls Canal Company and the City of Twin Falls. The goals of the project are to mitigate flash flood events, and remove sediment and phosphorous in a 7-acre pond/wetland facility. It is estimated that the facility will prevent approximately 1,000 tons of sediment and associated nutrients from discharging to Rock Creek and the Mid-Snake River.

5. FLOOD CONTROL DISTRICT NO.10 – Boise River North Channel Flood Mitigation Project

Flood Control District No.10 is requesting a \$47,500.00 IWRB flood management grant for the \$95,000.00 North Channel at Eagle Road Flood Mitigation project on the Boise River. The remaining cash matching funding of \$47,500.00 will be provided by Flood Control District No.10, City of Eagle, and the Mace Ditch Company. The goal of the project is to reduce progressive bank erosion and back failure, and reduce gravel bars that obstruct flood conveyance. To achieve these goals, rock barbs and rip rap are proposed to protect the south bank by reducing flow velocities on the south bank and diverting the higher velocity flows to the center of the main channel of the Boise River to reduce the deposition of gravel and formation of gravel bars.

6. FLOOD CONTROL DISTRICT NO.10 – Canyon Reach 1 Gravel Removal and Levee Repair Project

Flood Control District No.10 is requesting a \$175,000.00 IWRB flood management grant for the \$350,000.00 Canyon Reach 1 Gravel Removal and Levee Repair Project on the Boise River in Canyon County. The remaining cash matching funding of \$175,000.00 will be provided by Flood Control District No.10, Idaho Wildlife and Water Quality Group, and local property owners. The goal of the project is to remove several gravel bars, comprising approximately 63,000 cubic yards of rock and sediment, and using the gravel, vegetation, rip rap, and bank barbs to repair up to 1,200 lineal feet of an eroded flood levee. The project will reduce flood risk to properties near the gravel bars and flood levee, restore flow capacities of this reach of the Boise River, and reduce downstream impacts of gravel bars on the river channel and infrastructure.

7. CITY OF OROFINO – TimberLogic Flood Mitigation Project

The City of Orofino is requesting a \$200,000.00 IWRB flood management grant for the \$1,221,640.00 TimberLogic Flood Mitigation project on Orofino Creek near Orofino Idaho. The remaining matching funding of \$1,021,640.00, which is a combination of cash matching funds and in-kind services, will be provided by TimberLogic and a grant provided by the USDA. The goal of the project is to reduce flooding risks to the former Konkolville Mill site, now owned and proposed to be developed by TimberLogic, and downstream commercial and residential properties. Flood risk reductions will be achieved by constructing a floodable bench to widen the floodplain to provide additional flood storage capacity in Orofino Creek.

8. IDAHO SOIL & WATER CONSERVATION DISTRICT – Lower Cottonwood Creek Project

The Idaho Soil & Water Conservation District is requesting a \$27,935.20 IWRB flood management grant for the \$55,890.20 Lower Cottonwood Flood Mitigation project. The remaining

matching funding of \$27,955.00, which is a combination of cash matching funds and in-kind services, will be provided by the Idaho Soil & Water Conservation District and local landowners. The goal of the project is to reduce the risk of flooding in an existing cobble flat area to protect a private access road by reducing flood flow velocities, allowing deposition of sediments in the flat, and reducing sediment loading and improving water quality in Lower Cottonwood Creek. Surface roughness will be established in the cobble flat to reduce flood velocities, along with bioengineering techniques, such as willow live siltation.

9. IDAHO SOIL & WATER CONSERVATION DISTRICT – Sill Creek Project

The Idaho Soil & Water Conservation District is requesting a \$10,960.28 IWRB flood management grant for the \$22,069.28 Sill Creek Flood Mitigation project. The remaining matching funding of \$11,109.00, which is a combination of cash matching funds and in-kind services, will be provided by the Idaho Soil & Water Conservation District and local land owners. The goal of the project is to replace the undersized culvert, which causes overtopping of Wagon Road during annual flooding, with a larger culvert that will convey the 100-year flow event, repair damage to Wagon Road, and removal of approximately 450 cubic yards of gravel, sediment, and debris upstream of culvert to prevent sediment and debris discharge to Sill Creek

10. IDAHO SOIL & WATER CONSERVATION DISTRICT – Clear Creek Project

The Idaho Soil & Water Conservation District is requesting a \$18,570.60 IWRB flood management grant for the \$37,157.60 Clear Creek Flood Mitigation project. The remaining matching funding of \$18,587.00, which is a combination of cash matching funds and in-kind services, will be provided by the Idaho Soil & Water Conservation District and local landowners. The goal of the project is to repair flood damage to the river bank and private property, reduce the risk of future flooding, and improving water quality and fish habitat. The proposed improvements include the installation of 215 feet of toe rock for bank stabilization, bank reconstruction with willow and dogwood plantings to increase bank roughness, a willow trench pack to slow and dissipate overland flows, and gravel removal on the left descending bank, which will be utilized for toe rock bench fill.

11. RAFT RIVER FLOOD CONTROL DISTRICT NO.15 – Raft River Flood Mitigation Project

Raft River Flood Control District No.15 is requesting an \$80,525.00 IWRB flood management grant for the \$161,050.00 Raft River Flood Management project. The remaining matching funding of \$80,525.00, which is a combination of cash matching funds and in-kind services, will be provided by Raft River Flood Control District No.15, Raft River Ground Water District, and East Valley Cattle LLC. The goal of the project is to construct a diversion outlet structure to divert flood flows to an existing detention and recharge basin. The objective of the project is to control and detain flood flows and decrease the sediment load in Raft River, which impacts the Minidoka Wildlife Refuge and the wetlands at the confluence with the Snake River, and provide protection to nearby communities and infrastructure along Raft River.

12. PIONEER IRRIGATION DISTRICT – Mason Creek Flood Mitigation Project

Pioneer Irrigation District is requesting a \$148,500.00 IWRB flood management grant for the \$297,000.00 Mason Creek Flood Prevention project. The remaining matching funding of \$148,500.00, which is a combination of cash matching funds and in-kind services, will be provided by the District. The goal of the project is to replace the existing undersized culvert below the Highline Canal to reduce flooding of property, homes, and roads, and to prevent failure of the Highline Canal due to flood waters overtopping the canal. Currently, the existing culvert is only capable of conveying the 10-year flood event. The proposed new culvert will convey the 100-year flood event without overtopping the High Line Canal, and will reduce the probability of flooding Linden Road and Midland Road during the 10-year and 50-year flood events.

13. FLOOD CONTROL DISTRICT NO.10 – Website App Development Project

Flood Control District No.10 is requesting a \$25,000.00 IWRB flood management grant for the \$75,000.00 Web-Based App Development project. The remaining matching funding of \$50,000.00 will be provided by Flood Control District No.10, Lower Boise Watershed Council, and other stakeholders. The goal of the project is to provide public access to hydraulic information and data developed from the Boise River Management Tool (BRMT). The hydraulic map generated with the app will be used for Boise River management activities, including flood management, land use planning, assessment and management of in-stream structures, water quality, aquatic habitat, recreational uses, ground water/surface water interactions, and native vegetation management.

14. NORTHSIDE CANAL COMPANY – Main Canal Reservoir Flood Mitigation Project

The Northside Canal Company is requesting a \$200,000 IWRB flood management grant for the \$782,900.00 Emergency Flood Mitigation project. The remaining matching funding of \$582,900, which is a combination of cash matching funds and in-kind services, will be provided by the Northside Canal Company. The goal of the project is to reduce the risk of irrigation canals overtopping and/or breaching, causing localized flooding due to rapid flow changes in the company's main canal by constructing a flood management reservoir. The rapid flow changes are a result of regional power outages and/or high intensity rain events. These events cause the pumping systems to go off-line due to power outages or sudden decreased demand for irrigation water. The construction of an off-channel flood management reservoir near the middle of the company's delivery area, will reduce flood risk, and assist operations staff to better manage rapid changes in flow demand in the middle and lower end of the company's delivery system. However, the proposed project does not meet the IWRB Flood Management Grant Program criteria, in particular flood repairs, prevention, and reduction in Idaho's streams and rivers. Although flooding of the canals occur, a canal is not a stream or river, and the proposed project is to assist the company operations of the delivery system, not flooding impacts within a stream or river channel.

2020 Flood Management Grant Application Ranking Sheet - Criteria Evaluation Points & Final Rankings

Entity	Funds Requested	Total Project Costs	Final Evaluation Score (135 Pts)	Final Rankings	Awarded Funding
Lewis Soil Conservation District - Alpine Road	\$18,425.30	\$46,709.30	114	1	\$0.00
Clearwater Soil & Water Conservation District - Louse Creek	\$24,687.00	\$58,028.00	111	2	\$0.00
City of Bellevue - Lower Howard Preserve	\$57,880.00	\$120,980.00	102	3	\$0.00
Twin Falls Canal Co. & City of Twin Falls	\$51,000.00	\$101,924.00	97	4	\$0.00
Flood Control District No.10 - Boise River North Channel	\$47,500.00	\$95,000.00	97	5	\$0.00
Flood Control District No.10 - Boise River Canyon Reach 1	\$175,000.00	\$350,000.00	97	6	\$0.00
City of Orofino - Orofino Creek	\$200,000.00	\$1,221,640.00	93	7	\$0.00
Idaho Soil & Water Cons. Dist. - Lower Cottonwood Creek	\$27,935.20	\$55,890.20	93	8	\$0.00
Idaho Soil & Water Cons. Dist. - Sill Creek	\$10,960.28	\$22,069.28	93	9	\$0.00
Idaho Soil & Water Cons. Dist. - Clear Creek	\$18,570.60	\$37,157.60	89	10	\$0.00
Raft River Flood Control Dist. No.15	\$80,525.00	\$161,050.00	83	11	\$0.00
Pioneer Irrigation District - Mason Creek	\$148,500.00	\$297,000.00	80	12	\$0.00
Flood Control District No.10 - BRMT Website App Development	\$25,000.00	\$75,000.00	44	13	\$0.00
North Side Canal Company - Main Canal Flood Control Pond	\$200,000.00	\$782,900.00	39	14	\$0.00
Total funds requested	\$1,085,983.38	\$3,425,348.38			\$0

Total: \$0