



AGENDA

IDAHO WATER RESOURCE BOARD

Finance Committee Meeting No. 4-22

Thursday, July 14, 2022

1:00 p.m. (MT)

Water Center

Conference Rooms 602 C&D / Online Zoom Meeting

322 E. Front St.

BOISE

Brad Little

Governor

Jeff Raybould

Chairman

St. Anthony

At Large

Roger W. Chase

Vice-Chairman

Pocatello

District 4

Board Members & the Public may participate via Zoom

[Click here to join our Zoom Meeting](#)

Dial in Option: 1(253) 215-8782

Meeting ID: 886 6891 1116 Passcode: 071279

Jo Ann Cole-Hansen

Secretary

Lewiston

At Large

Dale Van Stone

Hope

District 1

Albert Barker

Boise

District 2

Dean Stevenson

Paul

District 3

Peter Van Der Meulen

Hailey

At Large

Brian Olmstead

Twin Falls

At Large

1. Introductions and Attendance
2. Flood Management Grant Award Recommendations*
3. Regional Water Sustainability Criteria*
4. Other Items
5. Adjourn

Committee Members: Chair Jo Ann Cole-Hansen, Jeff Raybould, Dean Stevenson, and Dale Van Stone.

* 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

The meeting will be held telephonically. If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.

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Phone: (208) 287-4800 Fax: (208) 287-6700 Website: idwr.idaho.gov/IWRB/

Memorandum

To: Idaho Water Resource Board
From: Neeley Miller, Planning & Projects Bureau
Date: July 11, 2022
Re: Flood Management Grant Applications and Ranking



Action: Flood Management Grant Funding Recommendation to IWRB

FY 2022 Flood Management Grant Program

Staff received a total of fourteen (14) applications. The applications were evaluated, scored, and ranked according to criteria adopted by Board.

Attachment(s):

Flood Management Application Summaries

Flood Management Grant Application Ranking Spreadsheet

2022 Flood Management Grant Project Summaries & Rankings

1. Goose Creek Flood Project

The Goose Creek Flood Control District is requesting funding in the amount of \$200,000 from the IWRB to provide a pathway for flood water to pass under the existing irrigation canal without causing damage to the canal or interruption of irrigation service. The total project cost is \$535,536. This project also includes replacement of a farm access bridge over the canal. This project is needed to prevent damage to the existing canal and other lands in the event of a large flood within the goose creek drainage which has been historically caused by overspilling of the Oakley Reservoir or by heavy precipitation events.

2. City of Lewiston Flood Project

The City of Lewiston is requesting \$106,382 in grant funds for a flood risk reduction and prevention project. The total project cost is \$212,705. The project will replace and upsize existing piping between 11th Ave and 12th Ave that has a history of backing up water in storm events, covering the road and flooding the property at 2129 12th Ave.

3. Madison County Flood Diversion Project

Madison County is requesting \$126,392 in grant funds for a large flood diversion structure on the Teton River. Total project costs are \$252,784. Madison County recently completed a comprehensive flood mitigation project prioritization project under a FEMA (CTP) grant. This study identified various high-priority flood mitigation opportunities within Madison County. One of these high-priority opportunities included the possibility of large diversions of Teton River flood water into multiple large gravel pits in/around the Teton River near Teton, ID. This proposal is focused on the construction of a single large diversion structure. The primary purpose would be flood mitigation with discharges exceeding approx. 3,930 cfs. The structure would reside entirely on property owned by Madison County, but its proximity to neighboring gravel pits is potentially useful for periodic flood storage & infiltration.

4. Flood Control District 10 – Boise River Project

Flood Control District 10 is requesting \$125,000 for the development of the Boise River Channel Maintenance plan. Total project costs are \$250,000. This project will leverage the Boise River Management Tool 2D model and engage stakeholders to determine long-term strategies for reducing flood risk within the District by maintaining channel conveyance. This project will identify specific locations and actions where channel blockage contributes to bank erosion and

frequent out-of-bank flows at lower-than normal flood flows. Additionally, this project will identify areas where pit capture risks appear to be greatest and recommend actions to reduce risk. Through technical evaluation and stakeholder involvement, Boise River Flood Control District No. 10 will develop a channel maintenance plan that establishes long-term maintenance activities aligned with the varied interests associated with managing the Boise River.

5. Madison County Teton River Splitter Gate Project

Madison County is requesting \$47,859 for the Teton River Splitter Gate Project. Total Costs for the project are \$95,717. Madison County recently completed a comprehensive flood mitigation project prioritization project under a FEMA (CTP) grant. This study identified various high-priority flood mitigation opportunities within Madison County. One of these high-priority opportunities included the possibility of enhanced management of flood water in/around the existing Teton River “splitter” (near Teton, ID) where the north and south forks of the Teton River begin. Currently the automated gates at this location operate effectively for irrigation water control but are not operational at flood stages where control may significantly reduce flood risks for residents of Freemont and Madison County, Sugar City, and Rexburg. This flood management project consists of the temporary installation of two cofferdams in the Teton River and the subsequent inspection and maintenance of two (i.e., north fork & south fork) flow control gates immediately downstream of the cofferdams. At present these gates are not operable above a flow of approximately 1,500 cfs (i.e., well below flood stage). The intent of this activity is to be able to use the rehabilitated flood gates to control Teton River discharges at flood stages to generally match channel capacity on the two forks of the Teton River to eliminate or reduce flooding in nearby Sugar City and Rexburg. At present, such control is not possible.

6. Twin Lakes FCD 17 Debris Removal Project

Twin Lakes Flood Control District # 17 is requesting \$8,000 in grant funds to remove fallen trees, limbs, and other debris from the channel of Rathdrum Creek. Total project costs are \$16,000.

7. Squaw Creek Ditch Company Flood Project

The Squaw Creek Ditch Company is requesting \$125,000 in grant funds to move their canal away from Squaw Creek streambed to prevent bank loss. Total project costs are \$250,000.

8. Riverside Water & Sewer District Project

The Riverside Water & Sewer District is requesting \$200,000 in grant funds to repair a segment of riverbank on the Clearwater River. Total costs for the project are \$440,388. The purpose of this project is to repair the Clearwater riverbank adjacent to Riverside Water & Sewer District's sewage lagoons that has been continually eroded by flooding in the river. Project will install a

robust riprap embankment and log erosion barriers to reduce future erosion and provide valuable fish habitat. The project will address multiple objectives including: prevention of untreated wastewater discharge to the Clearwater River due to potential lagoon dike failure from continued erosion, prevention of inflow of river water into the wastewater treatment system, reduction of future riverbank erosion, installation of valuable fish habitat.

9. ESPAR in cooperation w/Madison County Flood Diversion Project

The ESPAR is requesting \$47,300 in grant funds for this project. Total project costs are \$99,600. The purposes of this project are to reduce flooding in the Teton River during high water and provide incentivized managed aquifer recharge by installing a water supply canal from the Wilford Canal into the Jenkins gravel pit near the Teton River. Due to the failure of the Teton Dam, there is no way to control the river during flood events. One of the purposes of the Teton Dam was to protect Rexburg, Sugar City, and other areas, primarily in Madison County from flooding. Since the dam failed in 1976 there have been several years when water has been at flood stage for extended periods, when a small amount of additional flow could have been catastrophic. Madison County is working on plans to divert incremental amounts of water from the Teton River during flood events and put that water into gravel pits or farms, where it can infiltrate into the ground, acting as an undeveloped flood plain. Madison County has visited this site and supports what we are proposing. By developing sites such as the Jenkins gravel pit, the plan is to reduce flood flows to avoid flooding in an area that is experiencing rapid growth.

10. Clearwater SWCD Garden Creek Project

Clearwater SWCD is requesting \$84,085 in grant funds for this project. Total project costs for the project are \$176,458. This project will replace a stream crossing culvert that plugged and overtopped during a flood event and was removed to prevent further damage. Subsequently, the road was rerouted. The proposed project is to rebuild 1.3 miles of road and installing a stream crossing at Garden Creek, and rehabilitating the stream channel.

11. Clearwater Cascade Project

Clearwater SWCD is requesting \$200,000 in grant funds for this project. Total project costs for the project are \$584,871. This project would replace two undersized and problematic stream crossings on Cow Creek with adequately, fish-passable culverts. Four culverts would be replaced at non-fish bearing stream crossings. In addition, an estimated thirty-five culverts would be replaced in small tributaries and cross drains.

12. Idaho SWCD Clear Creek Project – site 1

Idaho SWCD is requesting \$13,322 in grant funds for this project. Total project costs for the project are \$28,228. The Clear Creek Stream Bank Stabilization (site 1) will stabilize the

streambank along 150 feet of Clear Creek. The total length of stream restoration is 150 feet. These mitigation efforts will address the unstable bank that is causing siltation to Clear Creek. In addition, the project will protect infrastructure, and add shade and habitat for steelhead.

13. Idaho SWCD Clear Creek Project – site 2

Idaho SWCD is requesting \$13,322 in grant funds for this project. Total project costs for the project are \$28,228. The Clear Creek Stream Bank Stabilization (site 2) will stabilize the streambank along 150 feet of Clear Creek. The total length of stream restoration is 150 feet. These mitigation efforts will address the unstable bank that is causing siltation to Clear Creek. In addition, the project will protect infrastructure, and add shade and habitat for steelhead.

14. Adams SWCD – Thorn Creek Project

Adams SWCD is requesting \$27,126 in grant funds for this project. Total project costs for the project are \$55,155. The primary purpose of this grant application is to gain funding to replace two end-of-life round culverts of insufficient capacity. In addition to the culvert replacement, funds will also be used to widen the existing road approximately 6 feet to accommodate the increased use of wider and heavier loads. Upon successful completion of this project, the new culvert will better accommodate high water during heavy run-off, minimizing flood damage and reducing sediment delivery to Thorn Creek and the Little Weiser River.

2022 Flood Management Grant Application Ranking					
Entity	Funds Requested	Total Project Costs	Final Evaluation Score	Final Rankings	Awarded Funding
Goose Creek Flood Project	\$200,000.00	\$535,536.00	90	1	\$200,000.00
City of Lewiston Flood Project	\$106,352.00	\$212,705.00	88	2	\$106,352.00
Madison County Flood Control Diversion Project	\$126,392.00	\$252,784.00	83	3	\$126,392.00
Boise River FCD 10 Flood Maintenance Project	\$125,000.00	\$250,000.00	82	4	\$125,000.00
Madison County Teton River Splitter Gate Project	\$47,859.00	\$95,717.00	81	5	\$47,859.00
Twin Lakes FCD 17 Debris Removal Project	\$8,000.00	\$16,000.00	76	6	\$8,000.00
Squaw Creek Ditch Company Flood Project	\$125,000.00	\$250,000.00	72	7	\$125,000.00
Riverside Water & Sewer District Project	\$200,000.00	\$440,388.00	71	8	\$200,000.00
ESPAR & Madison County Flood Diversion Project	\$47,300.00	\$99,600.00	68	9	\$47,300.00
Clearwater SWCD Garden Creek Project	\$84,085.00	\$176,458.00	62	10	\$84,085.00
Clearwater Cascade Project	\$200,000.00	\$584,871.00	61	11	\$0.00
Idaho SWCD Clear Creek Project site 1	\$13,422.00	\$28,228.00	60	12	\$0.00
Idaho SWCD Clear Creek Project site 1	\$13,422.00	\$28,228.00	60	13	\$0.00
Adams SWCD Thorn Creek Project	\$27,126.00	\$55,155.00	59	14	\$0.00
Total Funds Requested	\$1,323,958.00	\$3,025,670.00			

Total: **\$1,069,988**