



TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, Finance Section

DATE: March 21-22, 2018 Board Meeting

AGENDA ITEM: 9a. Dredging Grants
 Town of Georgetown - Dredging of Georgetown Lake

Introduction

At the November 2016 meeting, the Board approved the Reservoir Dredging Grant Program Guidance in response to Section 11 of Senate Bill 16-174, which appropriated \$1,000,000 to fund reservoir dredging projects. The purpose of the program is to make funding available to remove accumulated sediments in reservoirs to restore storage volume. Funds from this program must be encumbered by July 1, 2018.

The first round of applications were presented to the Board at the March 2017 meeting. At that time, one grant to the Jackson Lake Reservoir & Irrigation Company was approved for the Dredging Feasibility Study for the Jackson Lake Reservoir. That left a balance of \$975,622 in the Dredging Grant Program.

CWCB received four applications for the final round of funding from the Dredging Grant Program on February 1, 2018. Three of the four applicants concurrently applied to the Water Plan Grant Program requesting funding from either or both programs. See table below for summary of applications.

Applicant	Project Name	Total Project Cost	Water Plan Grant Request	Dredging Grant Request	Total Grant Request
Town of Georgetown*	Dredging of Georgetown Lake	\$2,070,000	\$1,035,000	\$1,035,000	\$1,035,000
Ogilvy Irrigating and Land Company	Seeley Reservoir Dredging	\$3,668,000	\$1,504,000	\$330,000	\$1,834,000
See Water Plan Grants - Storage – Agenda Item 28a					
Jackson Lake Reservoir & Irrigation Company	Jackson Lake Dredging Project	\$4,120,500	\$2,145,500	\$975,000	\$3,120,500
Upper Hoffman Lake Owners Association, LLC	Upper Hoffman Lake Sediment Remediation	\$35,000	-	\$30,500	\$30,500

*See attached Data Sheet for a location and summary.

Staff Recommendation

Staff recommends the Board approve a grant not to exceed \$975,622 to the Town of Georgetown for the Dredging of Georgetown Lake Project from the CWCB Reservoir Dredging Grant Program.



Staff Review and Comments

Staff reviewed all of the Dredging Grant requests totaling \$2,370,500. Upon the initial review, the Upper Hoffman Lake Owners Association, LLC's request was not further considered for funding as the proposed project was intended to improve a lake for swimming and related activities, which did not meet the intended goals of the grant program.

The three remaining projects all applied for both the Dredging Grant Program funds and Water Plan Grant Program funds. Staff initially considered splitting the Dredging Grant funds and Water Plan Grant funds as a percentage of the overall project cost. This initial consideration would have provided roughly 25% of project costs to each of the three applicants (with grant funds coming from both Water Plan and Dredging programs for each project). Applicants were given the option of requesting a CWCB loan for the difference between the grant request and the project cost.

After initial communication with the applicants:

- Ogilvy Irrigating and Land Company still wanted to proceed with the project and continued conversations with staff about a loan for the balance of the project costs.
- The Town of Georgetown committed to the project with the proposed reduced grant amount.
- Jackson Lake Reservoir & Irrigation Company notified staff that its board of directors decided not to pursue the project at this time; therefore its grant request was withdrawn.

After the Jackson Lake Dredging Project was removed from consideration, staff reevaluated funds available versus total project costs and the requested grant amounts. Staff plans to use Water Plan Grant funds for the Ogilvy Irrigating and Land Company's project, which will receive initial consideration at this meeting. Staff is recommending funding the Town of Georgetown's request from the Dredging Grant program.

Recommended for Dredging Grant Approval

Applicant: Town of Georgetown

Project Name: Dredging of Georgetown Lake

Recommended Grant Amount: \$975,622

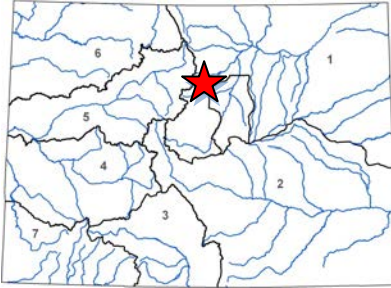
In December of 2017, the Town of Georgetown was approved for a grant from the Feasibility Study Small Grant Fund in the amount of \$32,395.50 for up to 50% of the cost of a feasibility study to evaluate the dredging of Georgetown Lake. This study concluded that acquiring other storage is not a viable solution and that dredging is a cost effective alternative to maintain adequate augmentation water storage in Georgetown Lake.

As a result of the feasibility study, Georgetown applied for both a Dredging Grant and a Water Plan Grant for \$1,035,000 from either program for 50% of the project costs to dredge Georgetown Lake. The total project cost is estimated to be \$2,070,000. The dredging project is expected to recover approximately 62 acre-feet of storage. This storage is used by both Georgetown and the City of Blackhawk. See attached Data Sheet for project details.

Note: Georgetown has the ability to cover the difference between the requested grant amount and the recommended amount with cash funds and other grants. Dredging grant funds will be disbursed at 50% of invoiced work up to the recommended grant amount.



Dredging Grant



L O C A T I O N	
County/Countries:	Clear Creek
Drainage Basin:	South Platte

D E T A I L S	
Total Project Cost:	\$2,070,000
Dredging Grant Request:	\$1,035,000
Dredging Grant Recommendation:	\$975,622
Matching Funds:	\$1,094,378
Project Type(s):	Construction
Recovered Storage:	62 acre-feet

County/Countries:	Clear Creek
Drainage Basin:	South Platte

Georgetown Lake is an on-channel reservoir on Clear Creek located on the east side of Interstate Highway 70, north of the Town of Georgetown (Town). The 386 acre-foot (AF) Lake is owned and operated by the Town. The

Town has an agreement with the City of Black Hawk that allows Black Hawk to store up to 100 acre-feet in the Lake. The Town uses the Lake to store augmentation water as required by its two augmentation plans. Over the years, erosion in the upper Clear Creek basin from natural and manmade effects has caused sediment to be transported downstream to Georgetown Lake. That sediment has filled in a significant portion of the south end of the lake, referred to as the lagoon, and has been shaped into several islands. The intent of this project is to return the lake to its historic coastline. It is anticipated that dredging an estimated 70,000 cubic yards of material will recover approximately 62 acre-feet of storage.

Private land located immediately west of the dredging area and east of the frontage road is available for construction mobilization and staging, dredging material de-watering and stockpiling. This area, known as Bighorn Crossing, is a new mixed-use development being constructed in 2018. This development has a need for approximately 56,000 cubic yards of fill material. In addition, the Town owns land at the south end of the lagoon. With this dredging project, the Town wishes to utilize available fill material to construct a park at that location; the fill requirements have been assumed to be approximately 14,000 cubic yards of fill material.

Project Funding will also come from Colorado Department of Transportation (\$250,000) and the City of Black Hawk (\$728,000). Construction is expected to begin in June 2018 with completion by the end of the year.

