

Prepared by:  
Dredged Material Management Office  
Seattle District, US Army Corps of Engineers

MEMORANDUM FOR: RECORD

February 13, 2020

**SUBJECT: VOLUME REVISION FOR PROPOSED DREDGED MATERIAL FROM MAINTENANCE DREDGING OF THE BARBEE MILL/CUGINI BOATHOUSE (NWS-2016-184) ON LAKE WASHINGTON, KING COUNTY, FOR OPEN-WATER DISPOSAL AT THE ELLIOTT BAY NON-DISPERSIVE SITE.**

**1. Introduction.** This memorandum supplements the 02 February 2017 suitability determination and 11 April 2019 volume revision and reflects the consensus determination of the Dredged Material Management Program (DMMP) agencies (U.S. Army Corps of Engineers, Environmental Protection Agency, and Washington Departments of Ecology and Natural Resources) regarding a proposed volume increase for the Barbee Mill/Cugini Boathouse dredging and disposal from 4,000 cubic yards (CY) to 5,000 CY.

**2. Background.** The Barbee Mill/Cugini Boathouse is located on the eastern shore of Lake Washington in King County, Washington. In August 2019, dredging of 3,666 cubic yards (cy) of material was performed at the project location; dredged material was taken to the Elliott Bay open-water disposal site.

A winter storm event occurred on December 20-21, 2019 in which significant and visible sediment deposition occurred. A post-storm bathymetric survey on December 25, 2019 indicated deposition of approximately 880 cy of material since the post-dredge survey in August 2019. The permittee is proposing to dredge the newly accumulated material in summer 2020 to enable navigational access to the boathouse. Including two feet of overdredge, the estimated volume proposed for dredging is ~1150 cy.

The 2017 suitability determination and subsequent 2019 volume revision approved the dredging of up to 4,000 cy of material with disposal at the Elliott Bay open-water disposal site. In conjunction with the 3,666 cy of sediment removed in August 2019, the newly deposited material (~1150 cy) will be in excess of the 4,000 cy approved in the 2019 volume revision.

**3. Evaluation.** The newly deposited material is most likely from the same source (Mill Creek) as the previously characterized dredged material. The previously characterized material (dredged in August 2019) was found suitable for open-water disposal. The DMMP agencies agree that given that the sediment source is the same, the likelihood of contamination in the newly deposited material is low. As such, the DMMP agencies have agreed to increase the cumulative volume of material approved for dredging and disposal at a non-dispersive open-water site from 4,000 to 5,000 cy.

The DMMP must be consulted for any additional material proposed for dredging beyond the cumulative 5,000 cy found suitable in this memo or for any dredging and disposal that occurs after July 2021.

*This volume revision does **not** constitute final agency approval of the project. During the public comment period that follows a public notice, the resource agencies will provide input on the overall project. A final decision will be made after full consideration of agency input, and after an alternatives analysis is done under section 404(b)(1) of the Clean Water Act.*

## Agency Signatures.

Concur:

signed copy on file in DMMO - Seattle District office

\_\_\_\_\_  
Date Heather Whitney Fourie – U.S. Army Corps of Engineers, Seattle District

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Date Erika Hoffman – Environmental Protection Agency

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Date Laura Inouye, Ph.D. - Washington Department of Ecology

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Date Shannon Soto - Washington Department of Natural Resources

## References

Dalton Olmstead Fuglevand (DOF), 2019. Construction Completion Report: Barbee Mills/Lake Houses at Eagle Cove Maintenance Dredging Project. Prepared for the USACE, September 2019.

Dalton Olmstead Fuglevand (DOF), 2020. Memorandum Re: Cugini Boathouse Dredge Area – Post-Storm Conditions Report, January 21, 2020.

DMMP 2017. *Determination Regarding the Suitability of Proposed Dredged Material from Barbee Mill Boathouse for Open-Water Disposal at the Elliott Bay Non-Dispersive Site*. Prepared by the Dredged material Management Office for the Dredged Material Management Program, February 2, 2017.

DMMP, 2019. Volume Revision for Proposed Dredged Material from Maintenance Dredging of the Barbee Mill/Cugini Boathouse (NWS-2016-184) on Lake Washington, King County, for Open-Water Disposal at the Elliott Bay Non-dispersive site. Prepared by the Dredged material Management Office for the Dredged Material Management Program, April 11, 2019.

## Copies furnished

DMMP signatories

Rory Lee, Seattle District Regulatory Project Manager

Teal Dreher; Dalton, Olmsted & Fuglevand, Inc.