

MEMORANDUM FOR RECORD

January 27, 2020

SUBJECT: DMMP REGENCY EVALUATION OF PROPOSED MAINTENANCE DREDGING FROM THE VIGOR INDUSTRIAL (FORMERLY CHRISTENSEN SHIPYARDS) BOAT BASIN AND ACCESS CHANNEL (NWS-2019-958) FOR OPEN-WATER FLOWLANE DISPOSAL IN THE COLUMBIA RIVER OR AT AN APPROVED BENEFICIAL USE OR UPLAND SITE.

- 1. INTRODUCTION.** This memorandum supplements the 4 April 2013 Suitability Determination Memorandum (DMMP 2013) and reflects the consensus determination of the Dredged Material Management Program (DMMP) agencies (U.S. Army Corps of Engineers, Washington Departments of Ecology and Natural Resources, and the Environmental Protection Agency) regarding the application of the DMMP recency guidelines to proposed dredging at the Vigor Industrial Boat Basin and Access Channel (Figures 1 and 2). Proposed disposal of material suitable for open-water disposal is at a flowlane disposal area in the Columbia River (Figure 3).
- 2. BACKGROUND.** The 2013 SDM documented the suitability of 10,000 cy of material proposed for removal from the access channel and boat basin at Christensen Shipyards. That dredging was never conducted, and Christensen Shipyards has since been transferred to Vigor Industrial, LLC. Vigor performed recent bathymetric surveys confirming that removal of the material is still needed for safe navigation and use.

Data recency for the 2013 project characterization ended in September 2019. That recency date was based on a “low” rank assigned to the project. The Port is requesting an extension of the suitability determination through February 2021.

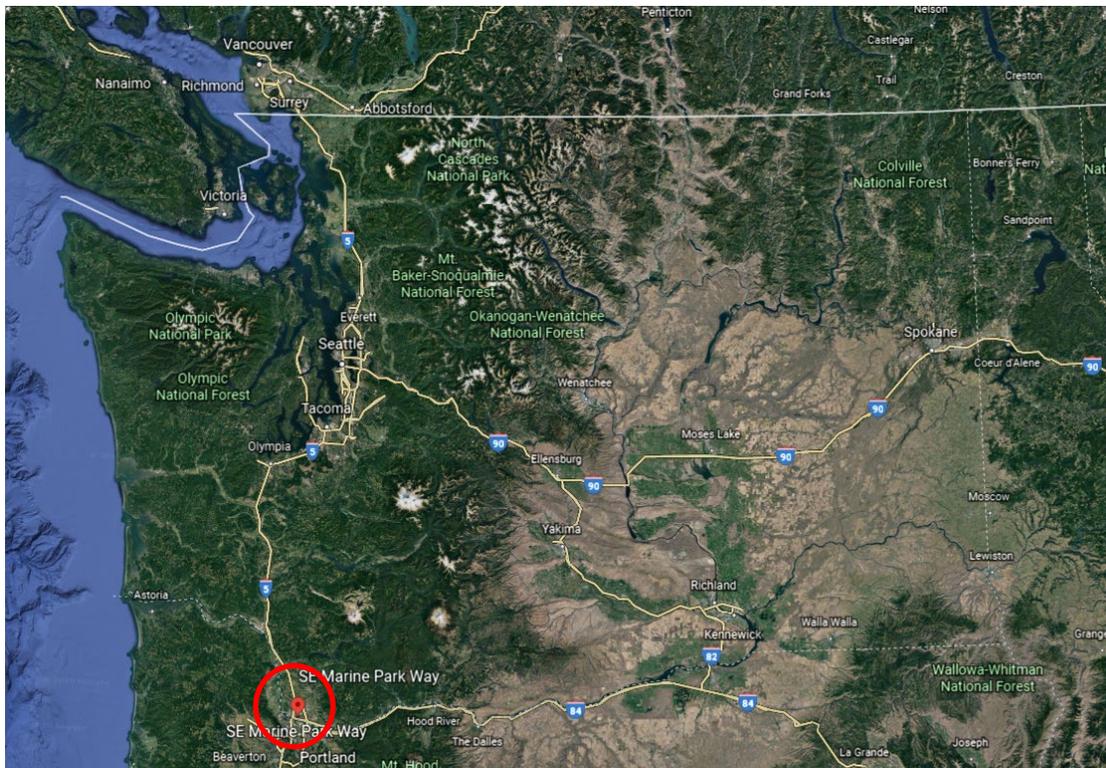


Figure 1. Project Vicinity

3. RECENCY EVALUATION. The following points were considered by the DMMP while evaluating this request:

- Results from the previous characterization showed that the proposed dredged material was very coarse: 10.7% gravel; 84.8% sand, 2.9% fines, and total organic carbon (TOC) 0.13%. Material this coarse is not typically correlated with sediment contamination.
- There were no detected exceedances of DMMP Chemicals of Concern (DMMP 2013) reported at the time (compared to 2006 interim freshwater values) as well as when compared to the new 2013 freshwater values. There were, however, several compounds added to the freshwater CoC list in 2013 that were not reported for this project (nickel; di,tri, and tetrabutyltin; beta hexachlorocyclohexane; carbazole; endrin ketone). Due the coarse nature of the material and to the low levels of reported metals, tributyltin, and pesticides it is expected that these related compounds would also be below the new freshwater values.
- Potential sources of contamination to the project area since the last characterization were evaluated, as follows:
 - Directly upstream of the project location is a Marine Park. There are no industrial or residential sources in the park area.
 - Upstream about 0.8 miles is Tidewater Cove Marina, which was characterized for DMMP suitability in 2015. All 15,000 cy of proposed dredged material from that project were found to be suitable for open-water disposal (DMMP 2015).
 - Ecology's "What's In My Neighborhood" application identified five small upland cleanup sites within ½ mile of the project location. None of the identified sites are considered sources to the Columbia River.

4. RECENCY DETERMINATION. On the basis of the existing information, the DMMP agencies agree that a **recency extension through February 2021** for dredging from the Vigor Industrial Access channel for open-water flow-lane disposal **is acceptable** as long as no significant changed conditions occur which may affect the suitability of the material. If a spill, fire, or other event that could change conditions occurs prior to dredging, additional sediment sampling and testing (coordinated with the DMMP) may be needed to reconfirm sediment suitability for open-water disposal.

This determination applies only to material characterized under the 4 April 2013 Suitability Determination Memorandum (DMMP 2013). Further coordination and evaluation will be required for any dredging over 10,000 cy or after February 2021.

5. REFERENCES.

DMMP 2018. *Dredged Material Evaluation and Disposal Procedures (User Manual)*. Prepared by the Seattle District Dredged Material Management Office for the Dredged Material Management Program, December 2018.

DMMP 2015. *Determination Regarding the Suitability of Proposed Dredged Material from Tidewater Cove Marina for Open-Water Flowlane Disposal in the Columbia River*. October 8, 2015

DMMP 2013. *Determination Regarding the Suitability of Proposed Dredged Material from the Christensen Shipyards Boat Basin Maintenance Dredging for Open Water Flowlane Disposal in the Columbia River*. April 4, 2013.



Figure 2. Project location and upstream sources.

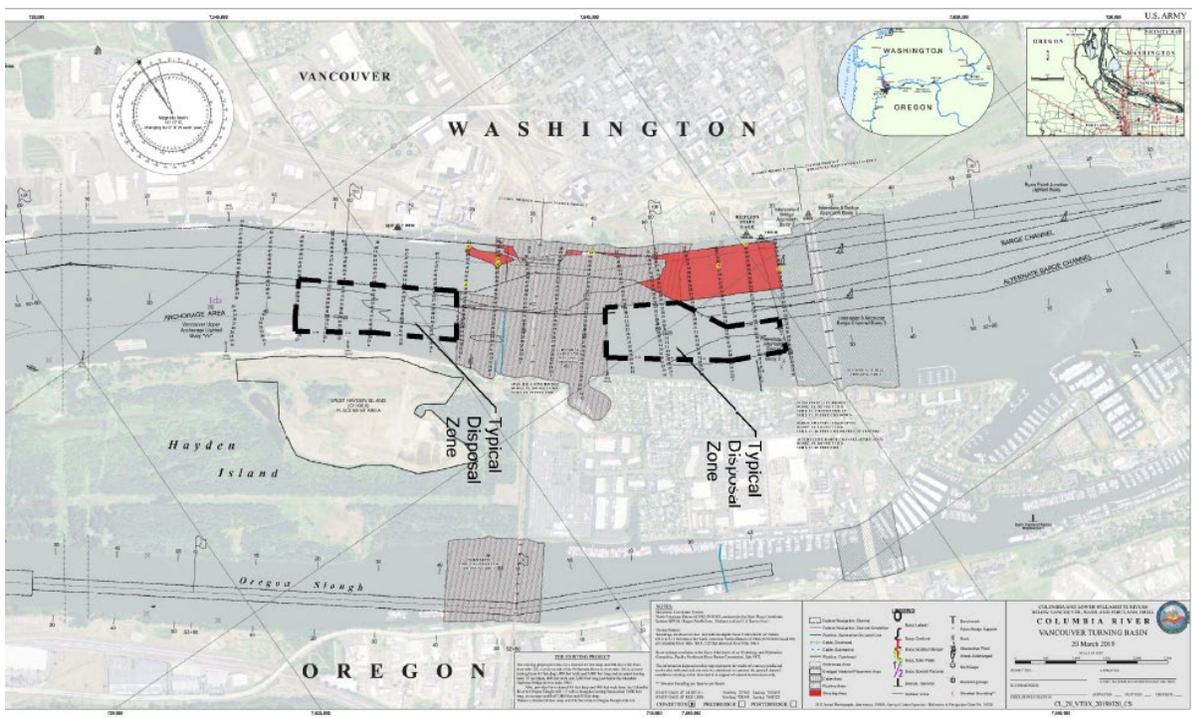


Figure 3. Proposed Disposal Zone.

6. Agency Signatures

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Concur:

signed copy on file in Dredged Material Management Office, USACE Seattle

Date Lauran Cole Warner - Seattle District Corps of Engineers

Date Justine Barton - Environmental Protection Agency

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

Date Shannon Soto - Washington Department of Natural Resources

Copies furnished:

DMMP signatories

Evan Carnes, USACE Regulatory

Andrew Jansky, Flowing Solutions, LLC