

MEMORANDUM FOR RECORD

September 20, 2019

SUBJECT: DMMP ADDENDUM (DREDGE DEPTH REVISION) TO SUITABILITY DETERMINATION FOR PROPOSED DREDGED MATERIAL FROM THE PORT OF GRAYS HARBOR WESTPORT MARINA (NWS-2017-212) FOR BOTH OPEN-WATER AND UPLAND DISPOSAL.

1. INTRODUCTION. This memorandum supplements the 5 January 2017 Suitability Determination Memorandum (DMMP 2017) and the 11 July 2019 Recency Determination (DMMP 2019) 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 the suitability of additional material from the Port of Grays Harbor Westport Marina.

2. PROJECT AND BACKGROUND. The Port of Grays Harbor proposes to dredge access channels in the marina to the full permitted depth of -17 ft. MLLW (+ 1 ft. allowable overdredge). Some of these areas are within unsuitable DMMUs, and that deeper material is being disposed upland along with the rest of the unsuitable material. However, DMMU 11 is suitable for open water disposal. The DMMP evaluated whether an additional 2 ft. of depth could be considered suitable in this one location (see Figure 1) for open water disposal. No additional volume over that proposed in the suitability determination is proposed for dredging.

Sampling for this project occurred in 2014, when dredging plans for Westport Marina were not fully formed. Since that time—particularly after learning the results of the 2014 characterization and understanding the scope of necessary disposal planning—modifications in the dredge plan have occurred. Permit NWS-2017-212, issued for this project in November 2018, incorporated slightly deeper dredging in one part of the marina than was sampled in 2014. Thus, the DMMP needed to address the suitability of this portion of the marina before the Port of Grays Harbor could dredge and dispose of this material appropriately.

3. ANALYSIS. The DMMP reviewed sampling records, dredge plans and permit drawings to evaluate whether any currently proposed dredged material was not represented in the initial characterization. That analysis revealed that only one portion of one DMMU (DMMU 11) had not been sampled to the proposed dredge depth (Figure 1). Based on chemical laboratory results from the 2014 sampling, there is no indication that the additional 2 feet of depth in the access-channel end of DMMU 11 would be substantially dissimilar from the characterized dredge prism. Analysis of Z-samples from unsuitable DMMUs did not show a trend of increasing contamination with depth. Most contamination found within the marina was adjacent to piers and not within the access channel.

4. DETERMINATION. The DMMP considers this additional material **SUITABLE** for open-water disposal at the Point Chehalis dispersive open-water disposal site. This evaluation was coordinated with DMMP representatives from Ecology, EPA, and DNR. All agreed that no further information is required for DMMP approval for the project to proceed as permitted.

Table 1. Detailed analysis of core samples for portions of Westport Marina dredging.

DMMU ID (design depth in ft MLLW)	DMMU Vol	Sample ID	bottom elev. of core (ft MLLW), including Z-layer	Covered by sampling?
DMMU-6 (-17)	16,100	WMar17	-20.30	OK
		WMar18	-19.79	
DMMU-7 (-15 to -17)	16,000	WMar19	-20.07	Upland
		WMar20	-18.49	
DMMU-8 (-17)	10,200	WMar21	-20.23	OK
		WMar22	-20.22	
DMMU-9 (-15)	8,700	WMar23A	-18.58	Upland
		WMar23B	-19.38	
DMMU-10 (-15 to -17)	10,900	WMar24	-18.12	Outer core to -17+1; OK
		WMar25	-20.54	
DMMU-11 (-15)	15,300	WMar26	-18.64	not sampled to depth
		WMar27	-18.36	

5. REFERENCES

- DMMP 2008. *DMMP Clarification Paper: Quality of Post-Dredge Sediment Surfaces (Updated)*. Prepared by David Fox (USACE), Erika Hoffman (EPA) and Tom Gries (Ecology) for the Dredged Material Management Program, June 2008.
- DMMP 2017. *Determination regarding the suitability of proposed dredged material from the Port of Grays Harbor, Westport Marina, Westport, Washington, for placement at the Pt. Chehalis or South Jetty dispersive open-water disposal sites, or at an approved upland site*. January 5, 2017.
- DMMP 2018. *Dredged Material Evaluation and Disposal Procedures (User Manual)*. Dredged Material Management Program, updated December 2018.
- DMMP 2019. *DMMP Recency Extension for Dredging at the Port of Grays Harbor Westport Marina (NWS-2017-21) with both Open-Water and Upland Disposal*. July 11, 2019.
- Ecology 2013. *Sediment Management Standards – Chapter 173-204 WAC*. Washington State Department of Ecology, February 2013.

Lauran Warner
Biologist, Dredged Material Management Office

Copies furnished:

Bethany Nickison, Corps Regulatory
Laura Inouye, Ecology
Justine Barton, EPA
Shannon Soto, DNR

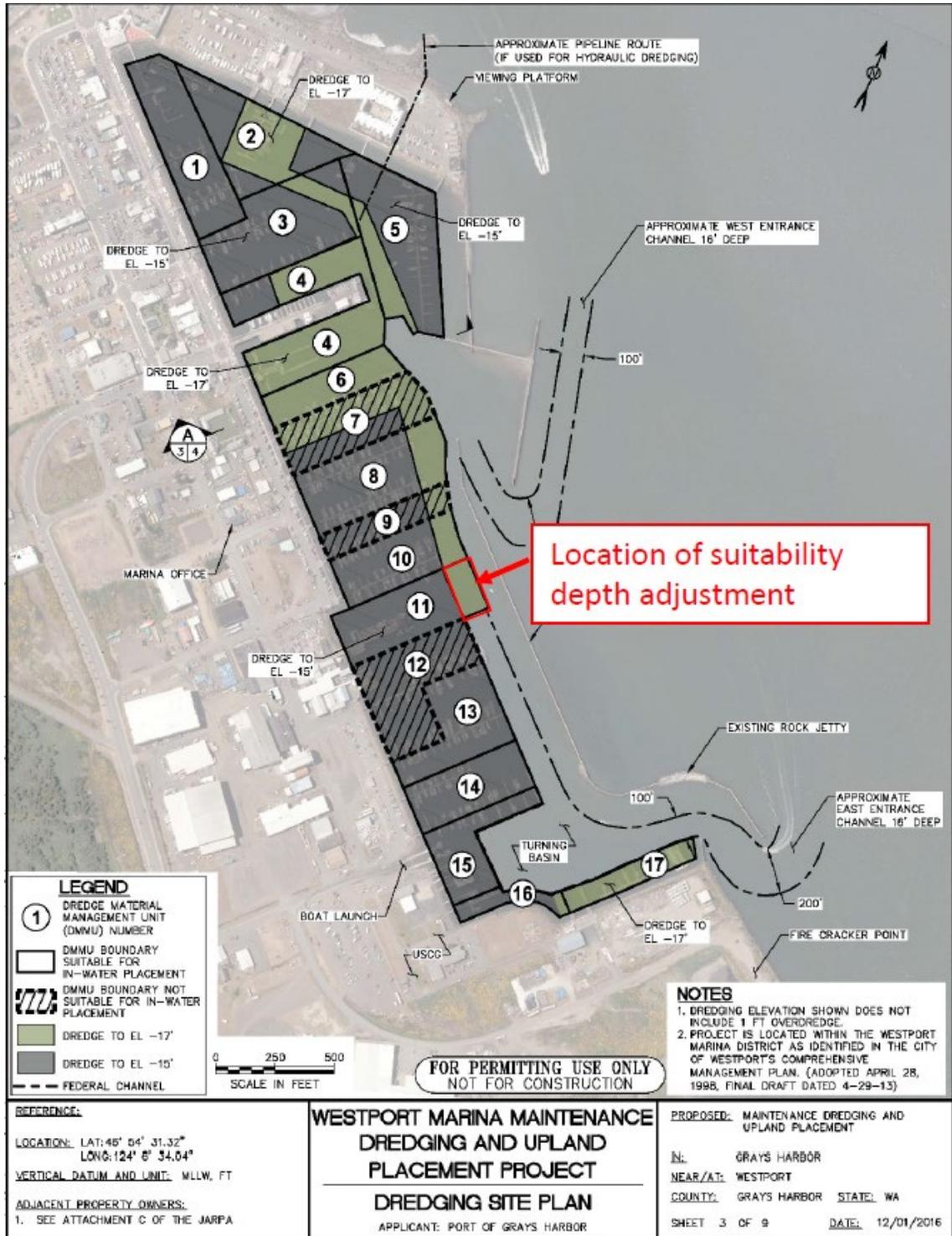


Figure 1. Westport Marina DMMUs and location of depth adjustment.