

**SUBJECT:** DMMP TIER 1 EVALUATION OF SHOAL REMOVAL AT COAST GUARD STATION CAPE DISAPPOINTMENT, ILWACO, WASHINGTON, WITH UPLAND DISPOSAL (NWS-2015-315).

- 1. Introduction.** This memorandum documents the Tier 1 evaluation by 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) of time-critical shoal removal at Coast Guard Station Cape Disappointment (Figure 1).
- 2. Project.** The Coast Guard proposes dredging approximately 4,400 cubic yards of maintenance dredged material from the boat basin at Cape Disappointment with possible flow-lane disposal. A sampling and analysis plan was submitted to the DMMP agencies on April 9, 2015 for review. Dredging of the boat basin is planned for sometime in the next two years, once all permits are in place. In the meantime, the Coast Guard has identified a shoal that is causing immediate problems and needs to be removed prior to the larger dredging project. The area of concern is at a floating dock (Figure 2), used for fueling and home to the motor lifeboat school. The Coast Guard proposes dredging 125 cubic yards from this area – likely using a shore-based excavator – drying on site and disposing of the material upland. A berm will be constructed to prevent surface runoff from entering the water.
- 3. Evaluation.** This project has not undergone previous DMMP testing. There are no known sediment testing results from the boat basin. However, the West Channel federal navigation channel is located just to the east of the Coast Guard station (Figure 3). Characterization of West Channel sediment was last conducted in 2009. The outer portion of the channel running past the Coast Guard station is approximately 95% sand. The inner channel, closer to Ilwaco, is predominantly silt. The inner channel sediment was chemically tested and found to have very low concentrations of chemicals of concern, including tributyltin. All concentrations were below the DMMP marine screening levels.

The site is in an undeveloped area adjacent to Cape Disappointment State Park. The closest potential sources of contamination are in Ilwaco, which is approximately two miles away. As indicated in the previous paragraph, sediment from the inner channel did not show any signs of contamination from sources in Ilwaco.

Based on this evaluation, the project site is ranked “low-moderate” under the DMMP guidelines. Existing data in the project vicinity indicate that a “low” rank may be warranted, but there are no data from the dredging site itself to validate a low ranking. Under the DMMP guidelines, projects in areas of low-moderate concern with less than 1,000 cubic yards of material meet the “no test” designation.

- 4. Tier 1 Determination.** This project is located in an area of low-moderate concern, with proposed upland disposal. It meets DMMP small project “no-test” guidelines and therefore no further sediment characterization is required for the 125 cubic yard shoal. DMMP characterization of the remaining 4,300 cubic yards of dredged material is required before the larger dredging project may take place.

This determination does *not* constitute final agency approval of the 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.

5. Signatures.

signed copy on file in DMMO - Seattle District office

\_\_\_\_\_  
Date                      David Fox, PE - Seattle District Corps of Engineers

\_\_\_\_\_  
Date                      Justine Barton - Environmental Protection Agency

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

\_\_\_\_\_  
Date                      Celia Barton - Washington Department of Natural Resources

**Copies Furnished:**

Ron Wilcox, Corps Regulatory  
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Amanda Velasquez, Coast Guard  
Kelly Bayer, AECOM  
DMMO File



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Source: URS, 2014



**REGIONAL LOCATION**

September 2014  
28068344

Station Cape Disappointment  
United States Coast Guard  
Ilwaco, Washington



**FIGURE 1**

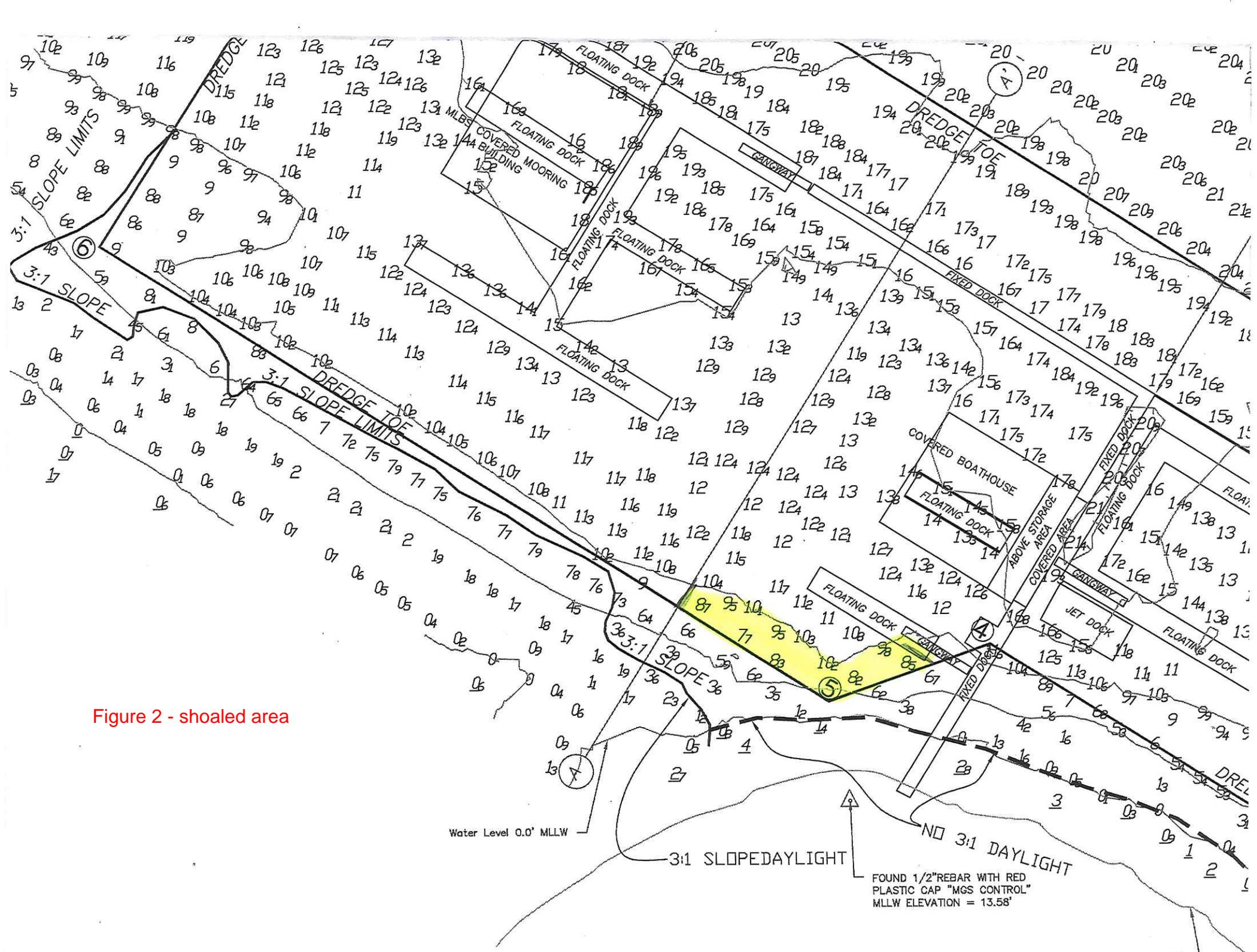


Figure 2 - shoaled area

FOUND 1/2" REBAR WITH RED PLASTIC CAP "MGS CONTROL" MLLW ELEVATION = 13.58'

**BAKER BAY  
WEST (ILWACO) ENTRANCE CHANNEL  
SEDIMENT QUALITY EVALUATION REPORT**  
Sampled July 7, 2009

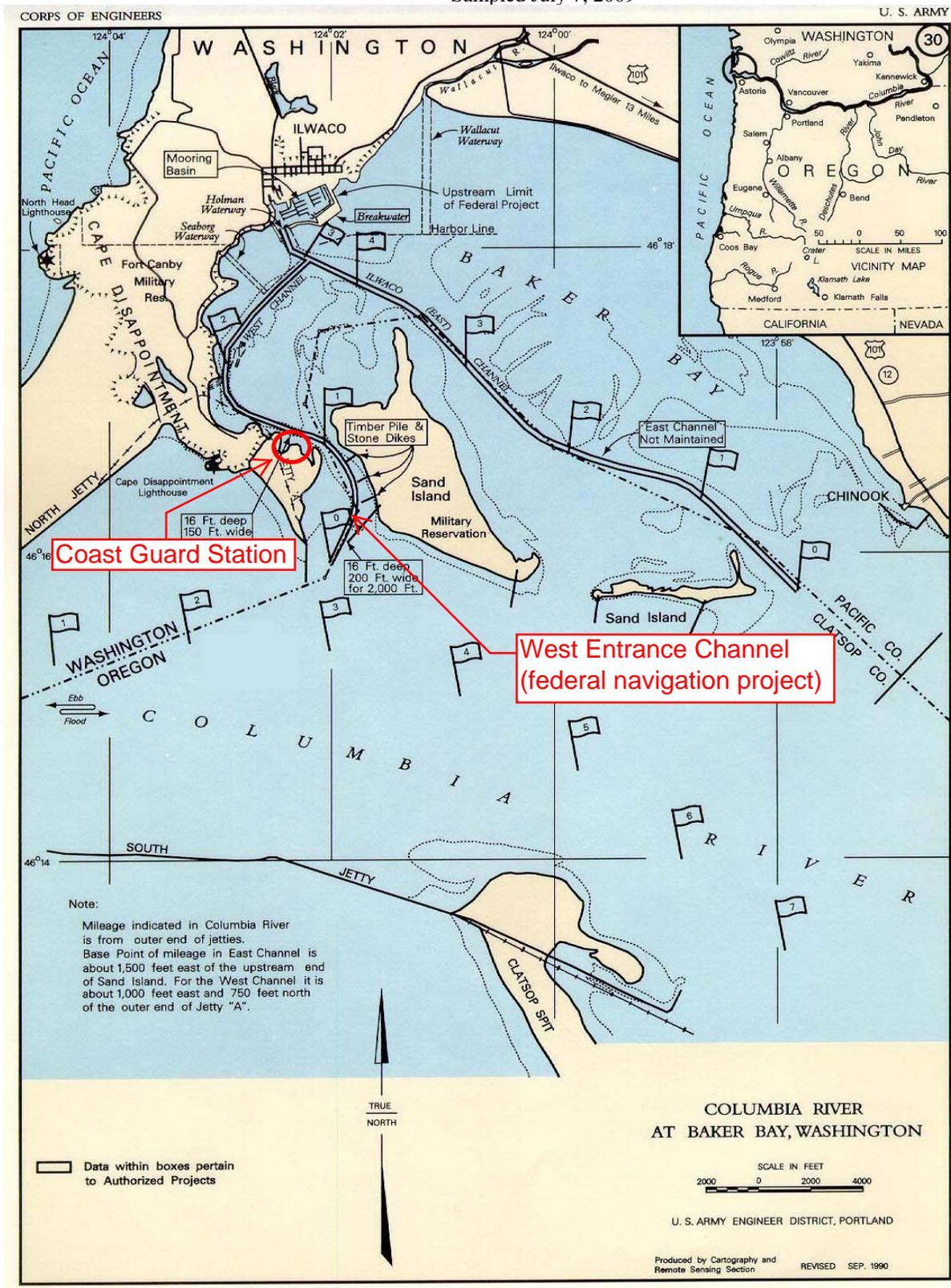


Figure 3. Baker Bay West Channel Vicinity Map