

5 October 1998

MEMORANDUM FOR RECORD

SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER DMMP EVALUATION PROCEDURES FOR PORT TOWNSEND MARINA FOR DISPOSAL AT A PSDDA OPEN WATER DISPOSAL SITE.

1. The Corps of Engineers proposes to dredge approximately 4,000 cubic yards from the Port Townsend Marina Entrance Channel. The following summary reflects the DMMP agencies (Corps of Engineers, Department of Ecology, Department of Natural Resources and the Environmental Protection Agency) consensus decision on the acceptability of the sampling plan and all relevant test data to make a determination of suitability for the disposal of the material at a PSDDA open-water disposal site.
2. This project was ranked "moderate" based on guidance provided in the Management Plan Report, Phase 11, Page A-10, and on previous testing data.
3. A sampling and analysis plan was completed for this project and approved by the PSDDA agencies on 14 August 1998. Sampling for this project was performed on 24-25 August 1998.

SAP Approval Date	14 August 1998
Sampling dates	24-25 August 1998
Data Report submittal date	30 September 1998
Recency determination dates	24 August 2003 - 24 August 2005

4. One surface DMMU was characterized. Samples were taken from three locations in the entrance channel to the marina and composited for one analysis.
5. There were no exceedances of Dredging Year 1998 DMMP screening levels. There were no detection limits above screening level. Porewater from the sediment sample was extracted and analyzed for the presence of tributyltin (TBT). The TBT concentration in the porewater was 0.10 μ/L , below the DMMP/SMS screening level of 0.15 μ/L .
6. In summary, the DMMP-approved sampling and analysis plan was followed, and quality assurance, quality control guidelines specified by the DMMP were followed. The data gathered were deemed sufficient and acceptable for regulatory decision-making under the DMMP program. Based on the results of the chemical testing, the consensus determination of the

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PSDDA agencies is that all 4,000 cubic yards of sediment proposed to be dredged from the Port Townsend Marina is suitable for disposal at a PSDDA, open-water disposal site.

7. The chemical analytical data were also compared to the State Sediment Management Standards. The sediment was not analyzed for chromium, but there is no reason to believe that chromium might be present in the vicinity of the marina. All detection limits met SMS standards. All sediment in the project area meets the state Sediment Quality Standards. Based on this information, the PSDDA agencies determined that the sediments from Port Townsend Marina are chemically suitable for use in beneficial uses projects. Sediment conventional data are included in Table 1.

8. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open water disposal site, and the chemical suitability of the material for proposed beneficial uses. It 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.

Concurr

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Table 1. Sediment Conventional Parameters

DMMU	C-1
Total Solids (%)	67.7
Total Organic Carbon (%)	1.2
Bulk Ammonia (mg/kg)	7.6
Total Sulfides (mg/kg)	35
Grain-size	
gravel	1.2
sand	87.1
silt	1.8
clay	4.1