

27 May 2003

MEMORANDUM FOR RECORD

**SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER DMMP EVALUATION PROCEDURES FOR TYEE YACHT CLUB MAINTENANCE DREDGING PROJECT (2002- 2-001323, DAIS # TYEE-1-A-F-185) WITH PROPOSED DISPOSAL AT THE ELLIOTT BAY OPEN WATER DISPOSAL SITE.** 186

1. The Tyee Yacht Club proposes to maintenance dredge 2300 cubic yards of sediment from its moorage basin at Eagle Harbor, Bainbridge Island, Washington. 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. The DMMP agencies ranked this project "low-moderate" based on information provided by the applicant and a review of known sources of contamination in the area. This ranking is documented in an e-mail from David Kendall dated 21 October 2002.
3. A sampling and analysis plan was completed for this project and approved by the DMMP agencies on 17 March 2003. Sampling for this project was performed on 28 March 2003.

*SAP submitted date:*

SAP approval date	17 March 2003
Sampling date	28 March 2003
Data Report submittal date	? May 2003
Recency determination dates	28 March 2008 – 28 March 2010

4. Samples were taken from three locations and composited for one surface analysis. The sampling and compositing plan is presented in Table 1. Z-samples were collected and archived for this project. Based on the chemistry results, the z-samples were not analyzed.
5. There were no exceedances of 2002 DMMP screening levels for the standard list of chemicals of concern. All detection limits were below screening levels. The sample was also analyzed for porewater tributyltin. It was not detected in the sample. The analytical laboratory failed to analyze the sample for ammonia. Given the grain-size of the sediment, and the lack of bioassays, this did not impact decision-making for this project.

6. In summary, the DMMP-approved sampling and analysis plan was followed, and quality assurance, quality control guidelines specified by the DMMP were generally 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 DMMP agencies is that 2300 cubic yards of material from the Tyee Yacht Club maintenance dredging project are suitable for open-water disposal at either a dispersive or nondispersive site.
  
7. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open water disposal site or for beneficial use. It does not constitute final agency approval of the project. A dredging plan for this project must be completed as part of the final project approval process. A final decision will be made after full consideration of agency and public input, and after an alternatives analysis is done under section 404 (b) 1 of the Clean Water Act.

**Tyee Yacht Club  
2002- 2-01323**

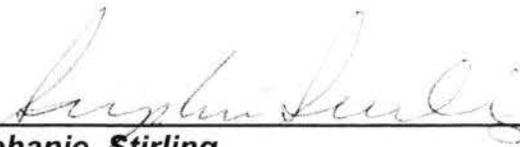
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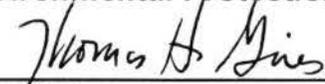
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**Table 1. Sampling and Compositing Plan**

<b>DMMU</b>	<b>Sample Station</b>	<b>Sample Interval</b>
DMMU 1	AN-01	0-7.8 feet <sup>1</sup>
	AN-02	0-7.5 feet
	AN-03	0-9.3 feet

1. Sampling depth includes one-foot over depth and one-foot z-sample.

**Table 2. Summary of chemical and biological testing results**

			DMMU ID:	1
			Rank:	LM
	Units			Conc.
Total Solids	%			71.1
Total Volatile Solids	%			2.9
Total Organic Carbon	%			2.1
Total Ammonia	mg/kg			
Total Sulfides	mg/kg			130J
Gravel	%			9.5
Sand	%			78.0
Silt	%			8.0
Clay	%			4.4
Fines (percent silt + clay)	%			12.4
preferred reference match:	%			
BTs exceeded:				no
PSDDA Determination:				<b>P</b>

**Figure 1. Sampling Locations**

