CENWS-OD-TS **14 May 2003**
Dredged Material Management Office

MEMORANDUM FOR RECORD

SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER DMMP EVALUATION PROCEDURES FOR OLYMPIA YACHT CLUB MAINTENANCE DREDGING PROJECT (2002- 2-00837, DAIS # OYCIH-1-A-F-184) WITH PROPOSED DISPOSAL AT THE ANDERSON ISLAND OPEN WATER DISPOSAL SITE.

1. The Olympia Yacht Club proposes to maintenance dredge 7600 cubic yards of sediment from its moorage basin at Island Home in Mason County 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 ranking for this area is "low-moderate" based on the guidance found in the PSDDA User's Manual (2000) and the PSDDA Management Plan Report, Phase II, Page A-11 (1989).

3. A sampling and analysis plan was completed for this project and approved by the DMMP agencies on 25 November 2002. Sampling for this project was performed on 22 January 2003.
SAP submittal date

SAP approval date	25 November 2002
Sampling date	22 January 2003
Data Report submittal date	March 2003
Recency determination dates	22 January 2008 – 22 January 2010

4. Samples were taken from three locations and composited for one surface analysis. The sampling and compositing plan is presented in Table 1.

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.

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 7600 cubic yards of material from the Island Home Outstation of the Olympia 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.

Olympia Yacht Club
2002- 2-00837

Concur:

Date	***Stephanie Stirling*** ***Seattle District Corps of Engineers***
Date	***Justine Barton*** ***Environmental Protection Agency, Region 10***
Date	***Tom Gries*** ***Washington Department of Ecology***
Date	***Peter Leon*** ***WA Department of Natural Resources***

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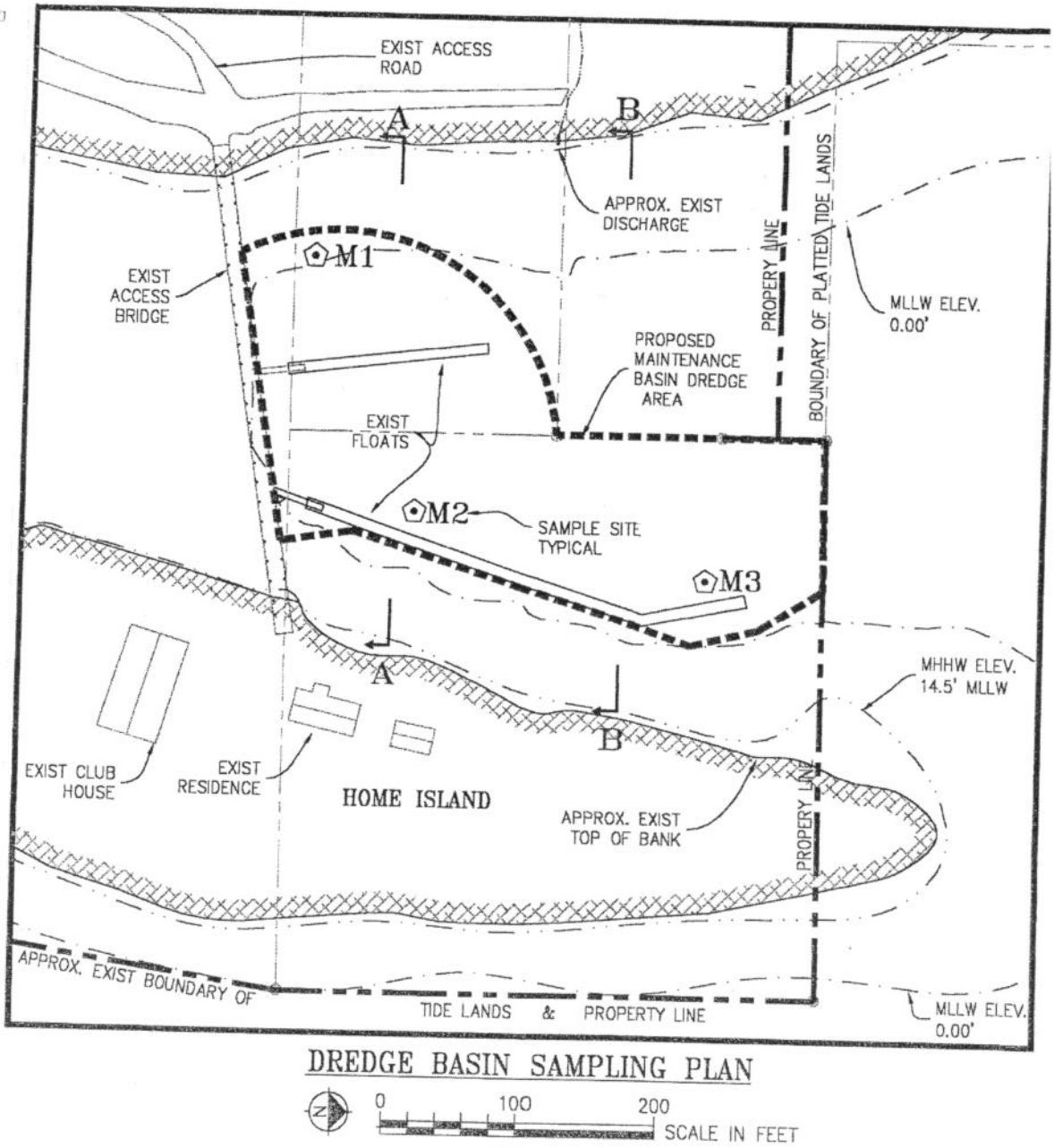
Table 1. Sampling and Compositing Plan

DMMU	Sample Station	Sample Interval
DMMU 1	M-1	0-4 feet
	M-2	0-4 feet
	M-3	0-4 feet

Table 2. Summary of chemical and biological testing results

			DMMU ID:	1
			Rank:	LM
	Units			Conc.
Total Solids	%			67.6
Total Volatile Solids	%			2.8
Total Organic Carbon	%			2.0
Total Ammonia	mg/kg			26.0
Total Sulfides	mg/kg			2,200
Gravel	%			23.3
Sand	%			47.7
Silt	%			18.3
Clay	%			10.6
Fines (percent silt + clay)	%			28.9
preferred reference match:	%			
BTs exceeded:				no
PSDDA Determination:				**P**

Figure 1. Sampling Locations



DREDGE BASIN SAMPLING PLAN

0 100 200 SCALE IN FEET

Figure 4 - Sample Boring Station Locations