

1 April 1992

SUBJECT: DECISION ON THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER PSDDA GUIDELINES FOR THE US NAVY BANGOR K-B DOCK PROJECT (OYB-2-014731), FOR DISPOSAL AT THE PSDDA PORT TOWNSEND OPEN-WATER DISPERSIVE SITE.

1. The US Navy proposes to dredge 4,500 cubic yards of sediments from its Bangor K-B Dock. The following summary reflects the PSDDA agencies' (Corps, Department of Ecology, Department of Natural Resources and the Environmental Protection Agency) suitability determination for disposal of this material at the PSDDA Port Townsend open-water dispersive site.
2. The PSDDA agencies ranked the project area "moderate", based on the guidance provided in the PSDDA Management Plan Report, Phase II (page A-11) for berthing facilities.
3. A sampling and analysis plan was developed for this project and approved by the PSDDA agencies 3 January 1992.
4. Two dredged material management units (DMMUs) were characterized. DMMU C1 consisted of composited surface sediments from two sampling locations. DMMU C2 consisted of composited subsurface sediments from the same locations.
5. The chemistry data indicated that no detected exceedances of the Dredging Year 1992 PSDDA screening levels (SL) occurred for either of the two analyses. There were no detection limits reported above SL.
6. Based on the chemistry results, no bioassays were required.
7. The PSDDA-approved sampling and analysis plan was generally followed. However, it was discovered during sampling that the bathymetry data submitted with the original sampling plan were incorrect. The dredging volume had been overestimated, as had been the sampling depths. As a result, the proposed dredging volume was reduced from 8,000 to 4,500 cubic yards.

The surveying error was not discovered, however, until after the samples had been taken and composited for laboratory analysis. The surface sediment which had been taken from sampling station 2 actually extended approximately two feet beyond the revised dredging overdepth, while the subsurface sample was entirely from beyond the overdepth.

Due to the reduction in proposed dredging volume, the PSDDA agencies agreed that this deviation did not constitute a serious problem. The maximum dredging depth, using the revised bathymetric data, was only 4-5 feet and all the material could be considered surface sediment. As such, the surface composite C1 was still representative of the proposed dredged material and was sufficient, in and of itself, to fully characterized the dredging prism.

8. The quality assurance/quality control guidelines specified by PSDDA were generally complied with during testing. The data gathered were deemed sufficient and acceptable for making a suitability decision under the PSDDA program.

9. Based on an analysis of the chemical results for the US Navy Bangor K-B Dock project, the PSDDA agencies concluded that all 4,500 cubic yards of proposed dredged material were suitable for unconfined open-water disposal at either a PSDDA dispersive site or nondispersive site.

10. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open-water disposal site. It does not constitute final agency approval of the project. A public notice will be issued for this project. During the public comment period which follows the public notice, the resource agencies will provide input on the overall project. A final permit 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.

Concur:

8 April 1992
Date

David R. Kendall
David Kendall, Ph.D
Seattle District Corps of Engineers

2 April 1992
Date

David F. Fox
David Fox
Seattle District Corps of Engineers

2 April 1992
Date

Justine D. Smith
Justine Smith
Environmental Protection Agency, Region X

8 April 1992
Date

Russ McMillan
Russ McMillan
Washington Department of Ecology

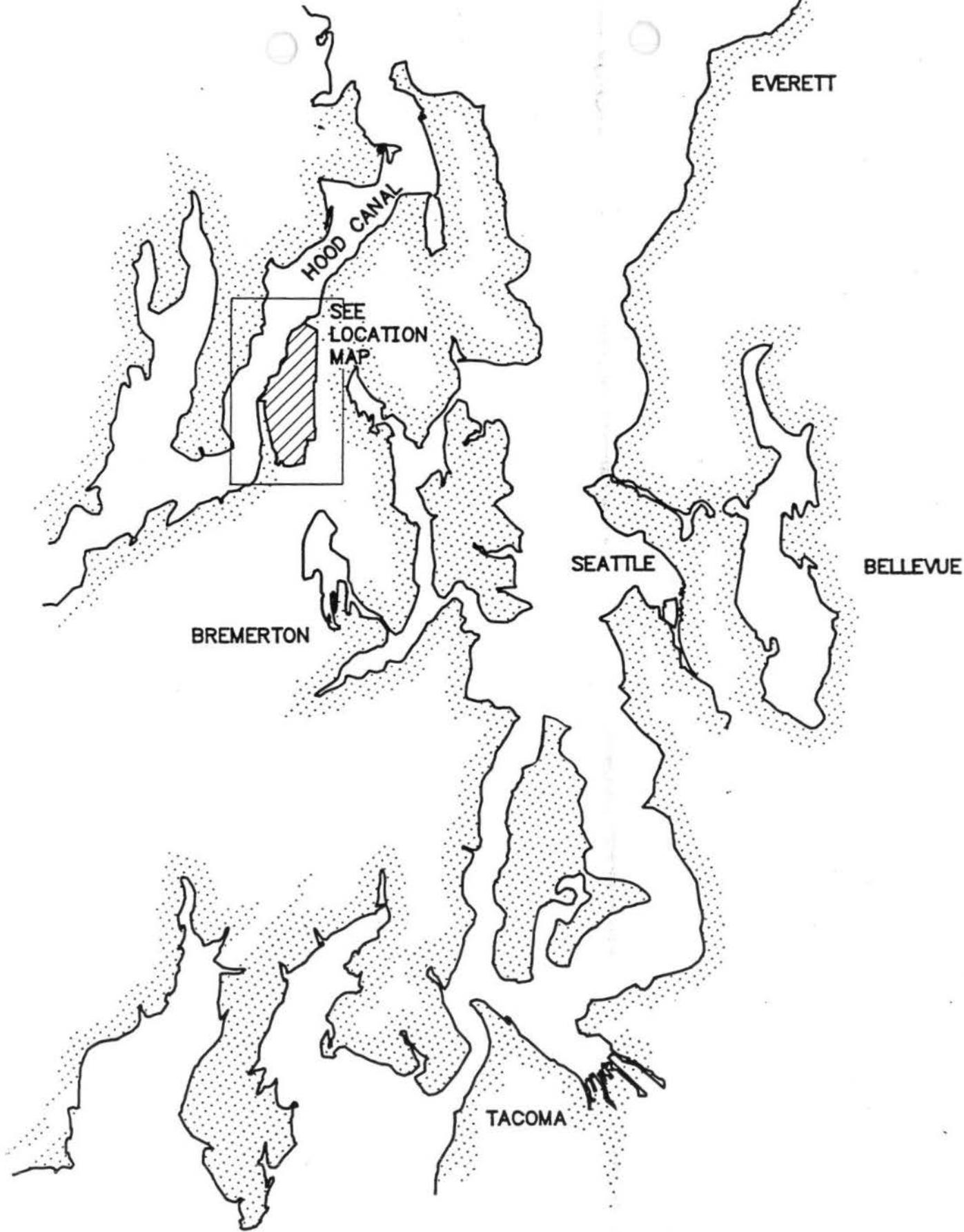
8 April 1992
Date

Gene Revelas
Gene Revelas
Washington Department of Natural Resources

Copies Furnished:

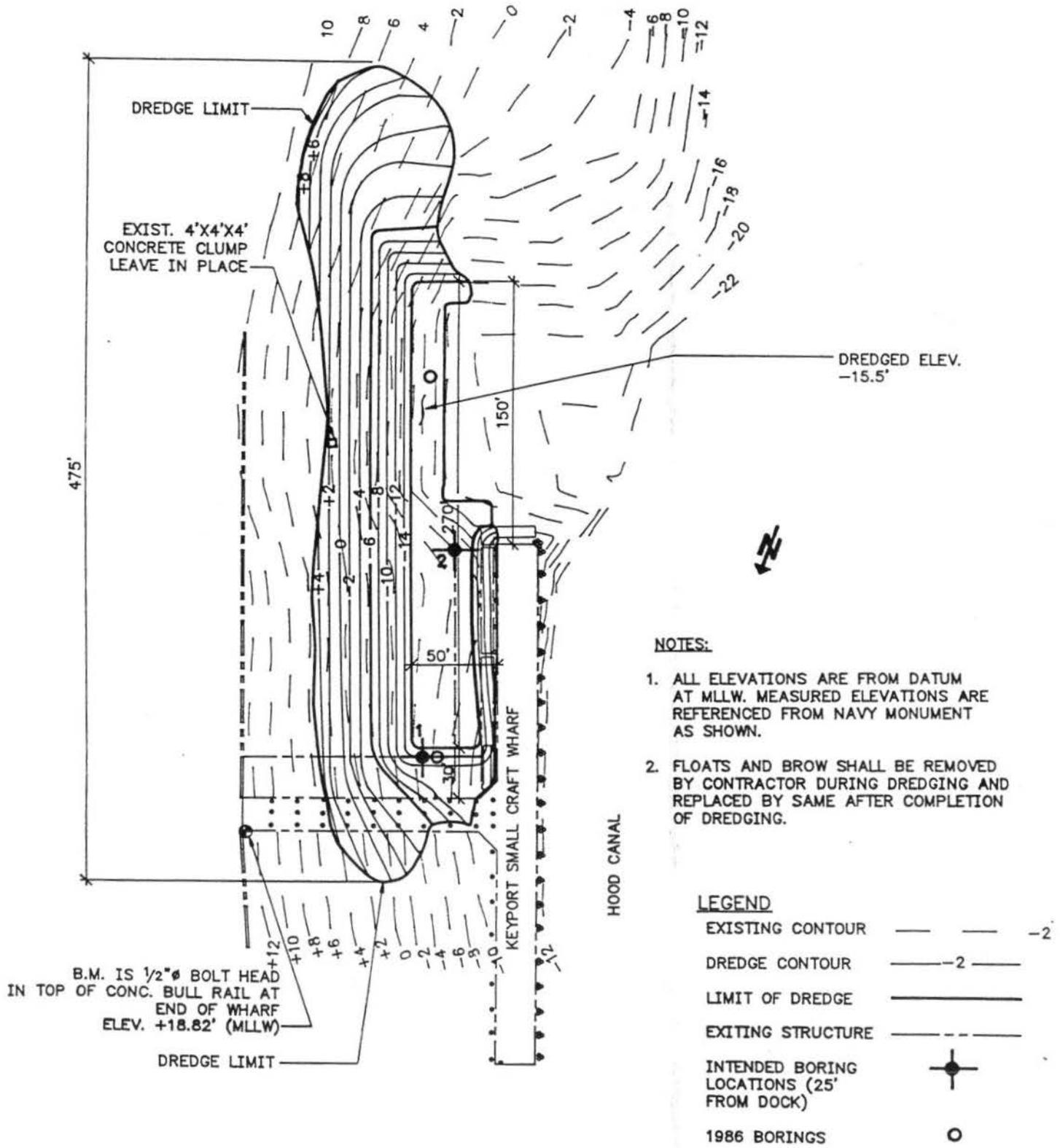
DMMO file/CENPS-OP
Frank Urabeck/CENPS-EN-PL-PF
Pat Cagney/CENPS-EN-PL-ER
Reg file/Bob Mowrey/CENPS-OP-RG

Justine Smith/EPA
Russ McMillan/Ecology
Gene Revelas/DNR
Dennis Gathard/Summit Tech
James Owen/US Navy



VICINITY MAP
SCALE: 1" = 6 MILES

FIGURE 1



K-B DOCK DREDGE PLAN
SCALE: 1" = 80'