

## MEMORANDUM FOR RECORD

**SUBJECT: ADDENDUM TO THE SUITABILITY DETERMINATION ON THE EVALUATION OF PROPOSED DREDGED MATERIAL TESTED UNDER PSDDA EVALUATION PROCEDURES FOR THE PORT OF SKAGIT COUNTY, LACONNER MARINA FOR DISPOSAL AT THE ROSARIO STRAIT OPEN-WATER DISPERSIVE SITE.**

1. The Port of Skagit County proposed to dredge 70,900 cubic yards of material from its marina at LaConner Washington. A sampling and analysis plan was prepared and approved by the PSDDA agencies (Corps of Engineers, Department of Ecology, Department of Natural Resources and the Environmental Protection Agency). Testing was completed in March 1993 and a suitability determination was signed by the PSDDA agencies on 27 April 1993 (Attachment 1).
2. The ranking for the project area was "moderate", based on the guidance provided in the PSDDA Management Plan Report, Phase II (page A-11) for all existing marinas.
3. Five dredged material management units were characterized, three from the north basin and two from the south basin. In the North Basin, DMMUs C1, C2 and C3 each consisted of four composited surface samples. DMMU C4 consisted of composited surface sediments from three sample locations from the South Basin and DMMU C5 consisted of composited surface sediments from four sample locations from the South Basin. The chemistry data indicated that no detected exceedances of the Dredging Year 1993 PSDDA screening levels occurred for any of the five analyses.
4. A predredge survey was conducted at the site in September of 1993. The predredge survey indicated that the original estimated volumes were in error. Proposed dredge volume in the South Basin increased from 23,000 cubic yards to 28,500 cubic yards. In the North Basin the volume increased from 47,900 to 83,500 cubic yards.
5. The sediment testing completed under the original suitability determination adequately characterizes the increased volume in the South Basin under PSDDA evaluation guidelines. The two analyses completed under the original suitability determination are adequate to characterize up to 40,000 cubic yards. (Management Plan Report, Phase II, p. A-16). The new volume for the South Basin is 28,500 cubic yards.
6. The sediment characterization was not adequate to characterize the increased volume in the North Basin under PSDDA evaluation guidelines for a moderate ranked area. The increased sedimentation in the North Basin is surmised to have come from one of two potential sources: the Swinomish Channel or the sloughing of the bank line. Because the largest increase of sediment is located in the back (east end) of the North Basin, it is possible that it is the result of sediment migration from the channel. It is also possible that some of this material is from the adjacent bank.
7. The PSDDA agencies evaluated both of these potential sources regarding their likelihood for the presence of contaminants. The Swinomish Channel is one of three low-ranked areas under

PSDDA evaluation guidelines. Sediments tested in the Swinomish Channel for the Corps of Engineers maintenance dredging activities demonstrate that these sediments are below the PSDDA screening levels. No conditions in the Channel have changed since the previous testing. Therefore, any material that came from the channel in the last two years is also expected to be below PSDDA screening levels.

8. Two potential sources have been identified for the bank material. One is excavated material from the creation of the North Basin. This was non-industrial land, and is considered a deposit of native sediments. Some bank material may have come from side-cast dredged material. This material is described in #7 above.

9. No industry other than that associated with the marina is located next to or discharged into this area. Historical sources of contamination are not of concern in this area since it is primarily agricultural land.

10. Based on the above analysis, it is the consensus determination of the PSDDA agencies that the additional 41,100 cubic yards of proposed dredged sediment at the LaConner Marina is suitable for open-water disposal at the Rosario Strait dispersive site.

Concur:

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