

3 April 1995

MEMORANDUM FOR RECORD

SUBJECT: DETERMINATION ON THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER PSDDA GUIDELINES FOR HOLNAM INCORPORATED (IDEAL CEMENT DIVISION) DREDGING (Reference: 94-01867) FOR PLACEMENT AT THE PORT ANGELES PSDDA DISPERSIVE OPEN-WATER SITE

1. The following summary represents the suitability determination for Holnam Incorporated characterization conducted during February 1995. It reflects information on analyses gathered for and reviewed by the PSDDA agencies' (Corps, Departments of Ecology and Natural Resources, and the Environmental Protection Agency). This technical decision is based on a careful review of the sediment characterization results documented in laboratory AMTEST data report dated February 28, 1995 to Dr. Don Heinle at CH2M Hill. A determination of suitability has been made for the 18,200 cubic yards of dredged material to restore barge access channel for Ideal Cement Division (ICD) of Holnam, Inc. This final determination is made relative to suitability for unconfined open-water disposal (UCOWD) at the Port Angeles dispersive PSDDA disposal site in the Straits of Juan de Fuca. Relevant dates for regulatory tracking purposes are included in Table 1.

Table 1. Regulatory Tracking Dates

initial SAP Approval date	November 21, 1994
revised SAP Approval date	January 9, 1995
Sampling date(s)	February 5, 1995
Data report submittal date	March 22, 1995
Recency Determination Date: Low-Moderate Concern DMMU (5-7 years)	Recency date = February 2000-2002

2. The project was ranked moderate by the PSDDA agencies for characterization. To characterize these sediments, five grabs (Van-Veen) were randomly spaced throughout the maintenance dredging area and composited for a single analysis. The PSDDA agencies agreed to allow the use of a grab sampler in lieu of a core sampler because the littoral drift sediments come from a relatively undeveloped coastline, and would be representative of the dredging prism.

3. The Agencies' approved sampling and testing plan approved by the PSDDA agencies on 9 January 1995 was followed, and quality assurance/quality control guidelines specified by PSEP and the PSDDA program were generally complied with. The chemical testing results for

the composited analysis indicated that all 58 chemicals of concern were quantitated below the PSDDA screening level. Table 2 shows the sediment conventional parameters for the representative of the composited DMMU.

Table 2. Sediment conventional parameters for DMMU C1.

Conventional Parameters	DMMU C1
DMMU Volume (cubic yards)	18,200
Grain Size (%)	
Gravel	0.3
Sand	46.7
Silt	47.8
Clay	5.5
Total Solids (%)	58.4, 59.0, 60.3
Total Volatile Solids (%)	4.2, 4.2, 4.2
Total Organic carbon (%)	1.1, 1.1, 1.3
Bulk Ammonia (mg/Kg)	17, 17, 16
Total Sulfides (mg/Kg)	<17.0, <17.0, <17.0

4. The agencies consensus decision based on these chemical testing results, is that all 18,200 cubic yards of material is suitable for unconfined disposal at a PSDDA dispersive site.

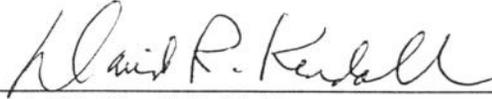
5. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open-water dispersive disposal site. This determination of suitability does not preclude the consideration of this material for an appropriate beneficial use. It does not constitute final agency approval of the project. During the public comment period which follows a public notice, the resource agencies will provide input on the overall 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. If a Section 404 permit is issued for this project, a dredging plan must be developed and submitted prior to dredging to the Corps' Regulatory Branch, Compliance Section in Operations Division at Seattle District.

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Concur:

4/24/95

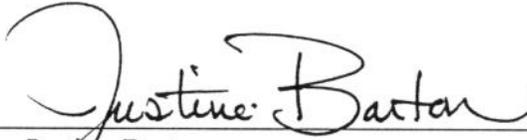
Date



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

4/18/95

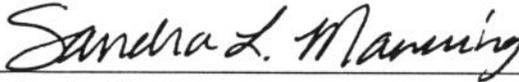
Date



Justine Barton
Environmental Protection Agency
Region X

4/19/95

Date



Sandra Maning
Washington Department of Ecology

Date



Deborah Lester
Washington Department of Natural Resources

Copies Furnished:

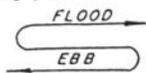
Justine Barton, EPA

Sandra Maning, Ecology

Deborah Lester, DNR

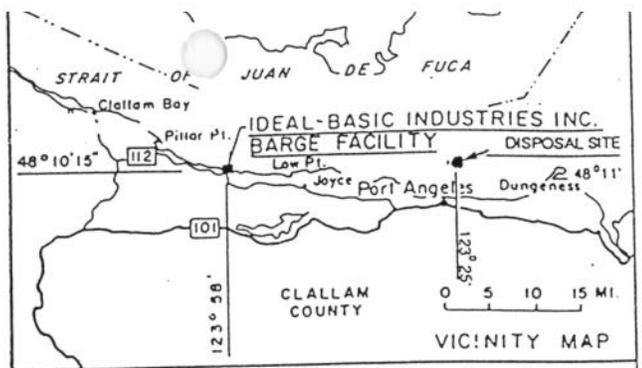
DMMO File

STRAIT OF JUAN DE FUCA



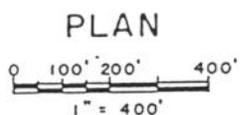
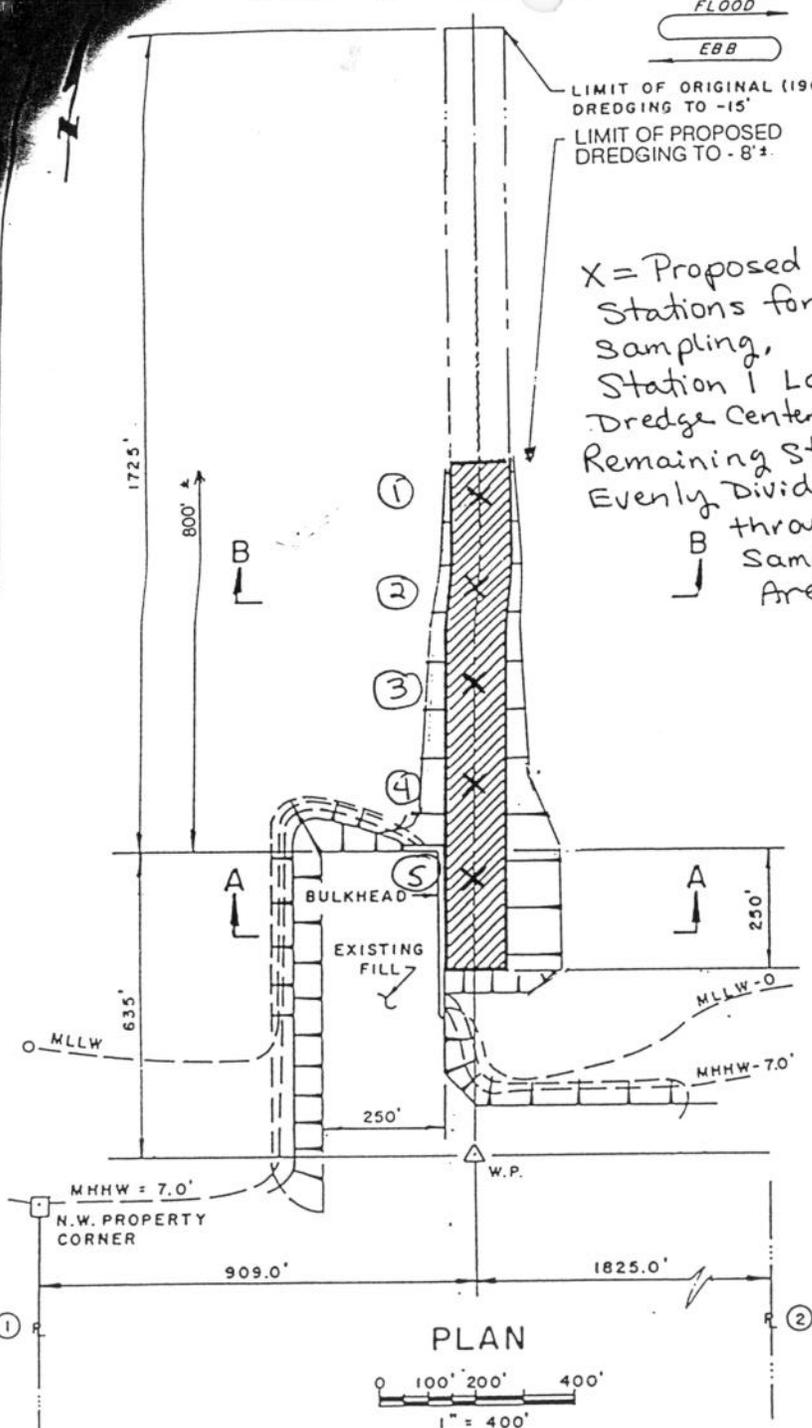
LIMIT OF ORIGINAL (1966) DREDGING TO -15'
 LIMIT OF PROPOSED DREDGING TO -8'

X = Proposed Stations for Sampling, Station 1 Location Randomly Selected along the Dredge Centerline. Remaining Stations Evenly Divided through Sampling Area.



PROJECT SITE IS AT TWIN RIVERS, APPROX. 25 MI. WEST OF PORT ANGELES BY STATE HWY. 112

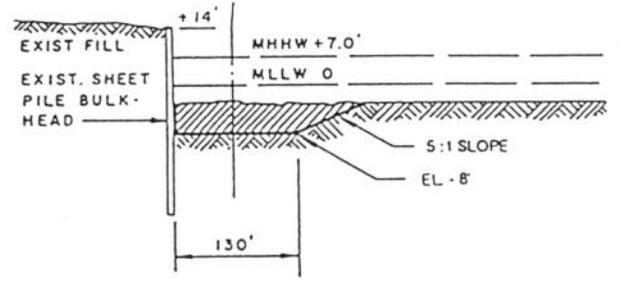
APPROX. 18,200 CU. YDS. OF SILT TO BE REMOVED BY CLAM SHELL DREDGE AND DEPOSITED AT AN APPROVED DISPOSAL SITE IN THE STRAIT OF JUAN DE FUCA AT COORDINATES SHOWN ON VICINITY MAP.



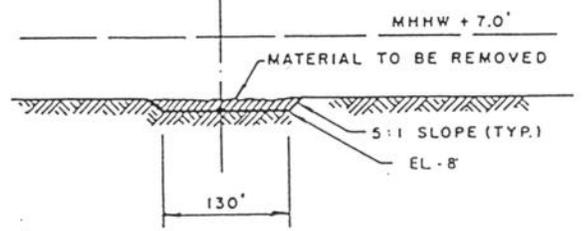
PURPOSE: TO PROVIDE ADEQUATE DEPTH FOR BARGE TRAFFIC
 DATUM: MLLW = 0.00

ADJACENT PROPERTY OWNERS
 ① SARA LEE O'CONNOR
 ② TWIN RIVERS INVESTMENT CLUB NO. 1

LEGEND
 PROPOSED DREDGING



SECTION A-A



SECTION B-B



PROPOSED MAINTENANCE DREDGING AND DISPOSAL OF DREDGED MATERIAL IN THE STRAIT OF JUAN DE FUCA
 IN STRAIT OF JUAN DE FUCA
 NEAR JOYCE
 COUNTY OF CLALLAM STATE WASHINGTON
 APPLICATION BY HOLNAM INC. IDEAL CEMENT
 SHEET OF DATE

Figure 3 Proposed Sediment Sample Locations