

MEMORANDUM FOR RECORD

28 March 1994

SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER PSDDA EVALUATION PROCEDURES FOR THE LONE STAR NORTHWEST TAYLOR WAY FACILITY (HYLEBOS WATERWAY) (93-2-01260) FOR DISPOSAL AT THE PSDDA COMMENCEMENT BAY OPEN WATER DISPOSAL SITE.

1. Lone Star Northwest proposes to maintenance dredge up to 8,000 cubic yards of sediments from its Taylor way facility on the Hylebos Waterway at Tacoma Washington. The following summary reflects the PSDDA 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 the PSDDA Commencement Bay open-water disposal site.
2. The ranking for the project area is "high", based on the guidance provided in the PSDDA Management Plan Report, Phase II (page A-11) for the Commencement Bay area. This area is also within the Commencement Bay Nearshore/Tideflats Superfund site.
3. A sampling and analysis plan was completed for this project and approved by the PSDDA agencies on 3 January 1994. Sampling for this project was initiated on 18 January 1994.
4. Two dredged material management units (DMMU) were characterized, one surface (C-1) and one subsurface (C-2). Samples were taken from two locations and composited for each analysis. In addition, samples were taken and composited for one analysis (C-3) to assess the material which would comprise the surface once the dredging is completed.
5. The chemistry data indicated there were no detected exceedances of the Dredging Year 1994 PSDDA screening levels (SL) for composites C-1 and C-2. For composite C-3, two analytes, copper (116 mg/kg) and zinc (316 mg/kg), exceeded PSDDA SLs. However, these concentrations do not exceed Washington State marine sediment quality standards established under Chapter 173-204 WAC nor do they exceed the sediment quality objectives established for the Commencement Bay Nearshore/Tideflats Superfund site (both values are 390 mg/kg for copper and 410 mg/kg for zinc). Based upon the above information, the PSDDA agencies, in consultation with EPA Superfund have determined that the sediment to be exposed following dredging does not pose an environmental concern.
6. In summary, PSDDA approved protocols and procedures were followed, and quality assurance, quality control guidelines specified by PSDDA were generally complied with. The data gathered were deemed sufficient and acceptable for regulatory decision-making under the PSDDA program. Based on the results of the chemical and biological testing, the PSDDA agencies concluded that up to 8,000 cubic yards of proposed dredged material were suitable for unconfined open-water disposal at a PSDDA dispersive or non-dispersive site.

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Lone Star Northwest
Taylor Way/Hylebos
93-2-01260

7. 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 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.

Concur:

4/21/94
Date

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

4/5/94
Date

Stephanie Stirling
Stephanie Stirling
Seattle District Corps of Engineers

4/8/94
Date

Justine S. Barton
Justine Barton
Environmental Protection Agency, Region X

4/6/94
Date

Sandra L. Manning
Sandra Manning/Pat Trerice
Washington Department of Ecology

4/21/94
Date

Phil Hertzog
Phil Hertzog
Washington Department of Natural Resources

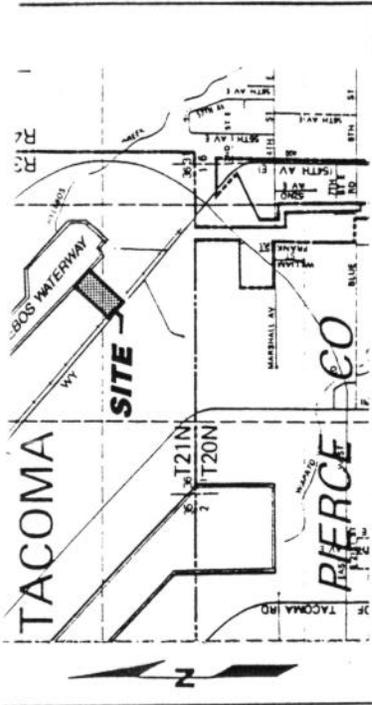
Copies Furnished:

Jack Gossett/CENPS-OP-RG
Mike Ehlebracht/ Philip Spadaro/Hart Crowser
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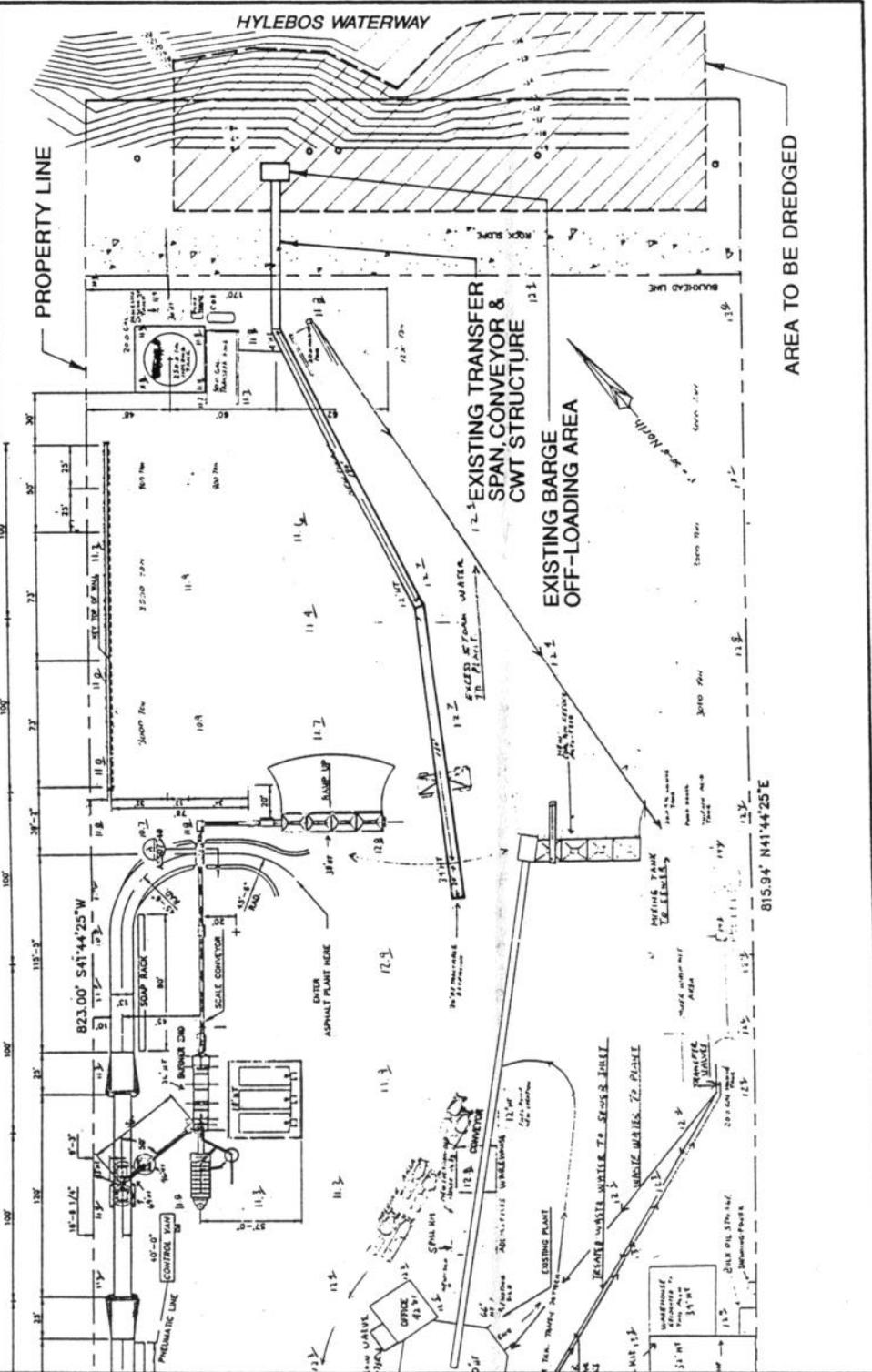
EPA/Justine Barton/Allison Hiltner
DOE/Sandra Manning/Pat Trerice
DNR/Phil Hertzog

Table 1. Summary of DMMU and Sediment Conventional Parameters

Conventional Parameters	C-1	C-2	C-3
DMMU Volume (cubic yards)	4000	4000	NA
Grain size (%)			
Gravel	27.3	6.9	
Sand	60.3	52.4	
Silt	10.0	25.0	
Clay	2.3	15.7	
Total Solids (%)	84.1	73	75.8
Total Volatile Solids (%)	1.07	1.7	1.19
Total Organic Carbon (%)	.289	1.02	.635
Bulk Ammonia (mg/kg)	6.86	64.8	42.8
Total Sulfides (mg/kg)	<3.61	<2.3	<3.92



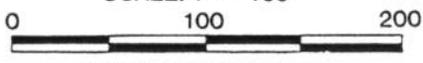
VICINITY MAP
 SCALE IN FEET
 0 3000



AREA TO BE DREDGED

PURPOSE: MAINTENANCE DREDGING
 DATUM: MLLW
 ADJACENT PROPERTY OWNERS:
 1. WEYERHAEUSER COMPANY
 2. LOUISIANA PACIFIC

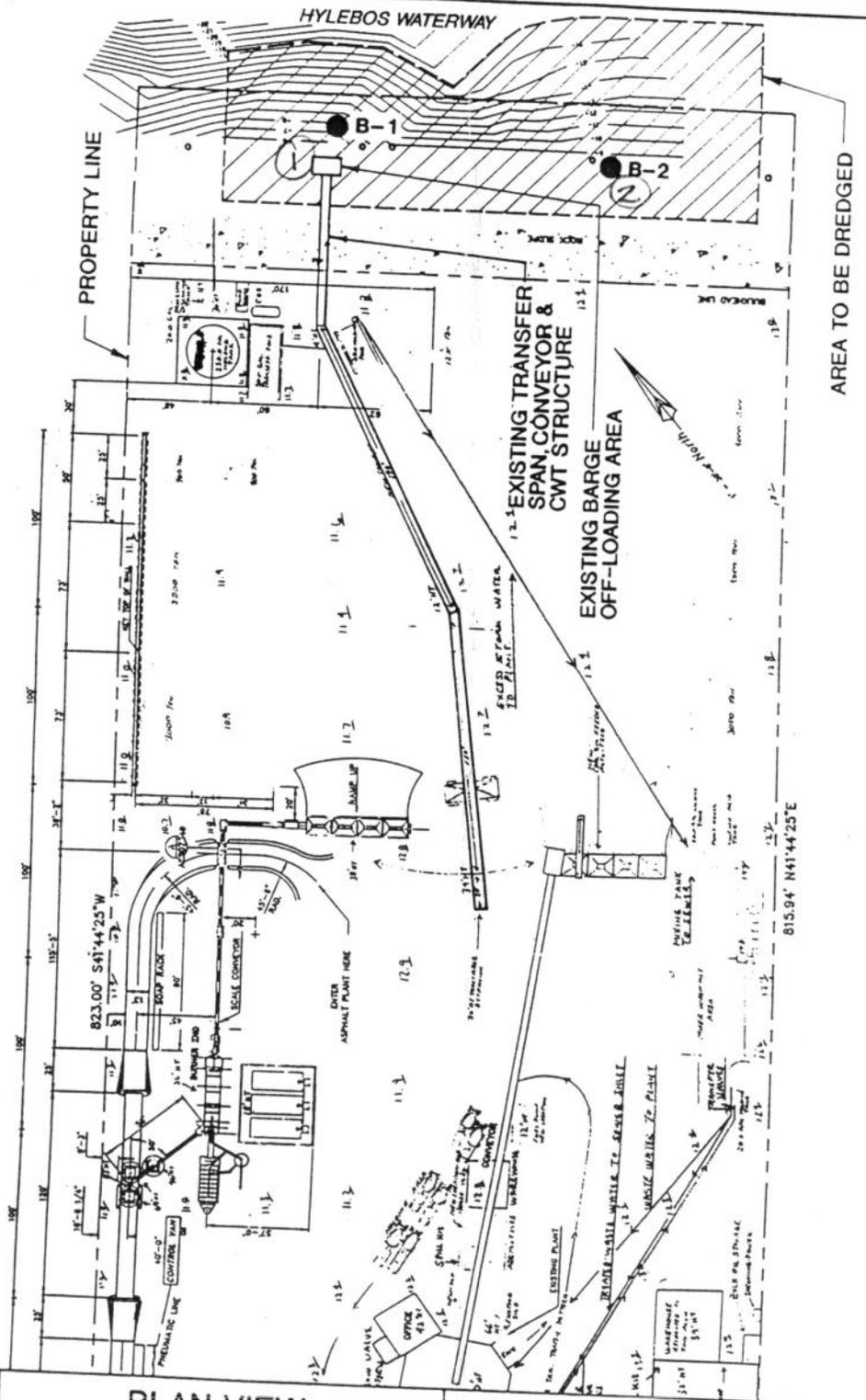
PLAN VIEW
 SCALE: 1" = 100'



LONESTAR NORTHWEST
 5975 E. MARGINAL WAY
 SEATTLE, WA 98134

PROPOSED MAINTENANCE DREDGING
 OF LONESTAR NORTHWEST FACILITY
 IN: HYLEBOS WATERWAY
 LOCATION: TACOMA, WASHINGTON
 47°15' 42.9" LATITUDE
 122° 21' 43.1" LONGITUDE
 APPLICATION BY: LONESTAR NORTHWEST

J-3876-01
 Figure 1



PURPOSE: MAINTENANCE DREDGING
 DATUM: MLLW
 ADJACENT PROPERTY OWNERS:
 1. WEYERHAEUSER COMPANY
 2. LOUISIANA PACIFIC

PLAN VIEW
 SCALE: 1" = 100'
 0 100 200
 LONESTAR NORTHWEST
 5975 E. MARGINAL WAY
 SEATTLE, WA 98134

SEDIMENT SAMPLING LOCATIONS
 IN: HYLEBOS WATERWAY
 LOCATION: TACOMA, WASHINGTON
 APPLICATION BY: LONESTAR NORTHWEST

● B-1 SEDIMENT SAMPLING LOCATION AND NUMBER

J-3876-01
 Figure 3