CENPS-OP-DMMO

MEMORANDUM FOR RECORD 19 August 1993

SUBJECT: DETERMINATION ON THE SUITABILITY OF MAINTENANCE DREDGED MATERIAL FROM THE MOUTH OF THE QUILLAYUTE RIVER, LA PUSH, WASHINGTON (CENPS-OP-NP-79) EVALUATED UNDER SECTION 404 OF THE CLEAN WATER ACT FOR AGITATION DREDGING AND DISPOSAL ADJACENT TO THE ENTRANCE CHANNEL

1. This memorandum reflects the consensus determination of the Agencies' (U.S. Army Corps of Engineers, Department of Ecology, Department of Natural Resources, and the Environmental Protection Agency) with jurisdiction on dredging and disposal on the suitability of the estimated 15,000 cubic yards of maintenance material. The Corps proposes to agitation dredge this material to realign the entrance channel at the mouth of the Quillayute River, at La Push, Washington. Disposal of this material will take place adjacent to the channel.

2. The composition of the proposed maintenance material is as follows. It is composed predominately of gravel at four of the five locations sampled (enclosure 1). The one station containing sand consisted of 11.2% gravel, 84.6% sand and 4.2% silt and clay (enclosure 2). Therefore, the qualitative and quantitative description of the proposed maintenance material indicates that it is predominately gravel with some sand and very little fines.

3. The material meets exclusionary criteria under Section 230.60 (subparagraphs C and D), which states that material that is predominantly sand is excluded from further testing. The material is in a highly dynamic area, and is free from any known sources of contamination. Based on the above information, the agencies with regulatory jurisdiction agree that the material does not require further testing under Section 404 of the Clean Water Act.

4. This memorandum documents the suitability of proposed dredged sediments for unconfined open-water disposal adjacent to the entrance channel. 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.

SUBJECT: DETERMINATION ON THE SUITABILITY OF MAINTENANCE DREDGED MATERIAL FROM THE MOUTH OF THE QUILLAYUTE RIVER, LA PUSH, WASHINGTON (CENPS-OP-NP-79) EVALUATED UNDER SECTION 404 OF THE CLEAN WATER ACT FOR AGITATION DREDGING AND DISPOSAL ADJACENT TO THE ENTRANCE CHANNEL

Concur:

26 August 1993 David R. Kendall
Date

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

26 August 1993 John Malek
Date

Justine Barton/John Malek
Environmental Protection Agency
Region X

26 August, 1993 Sandra L Manning
Date

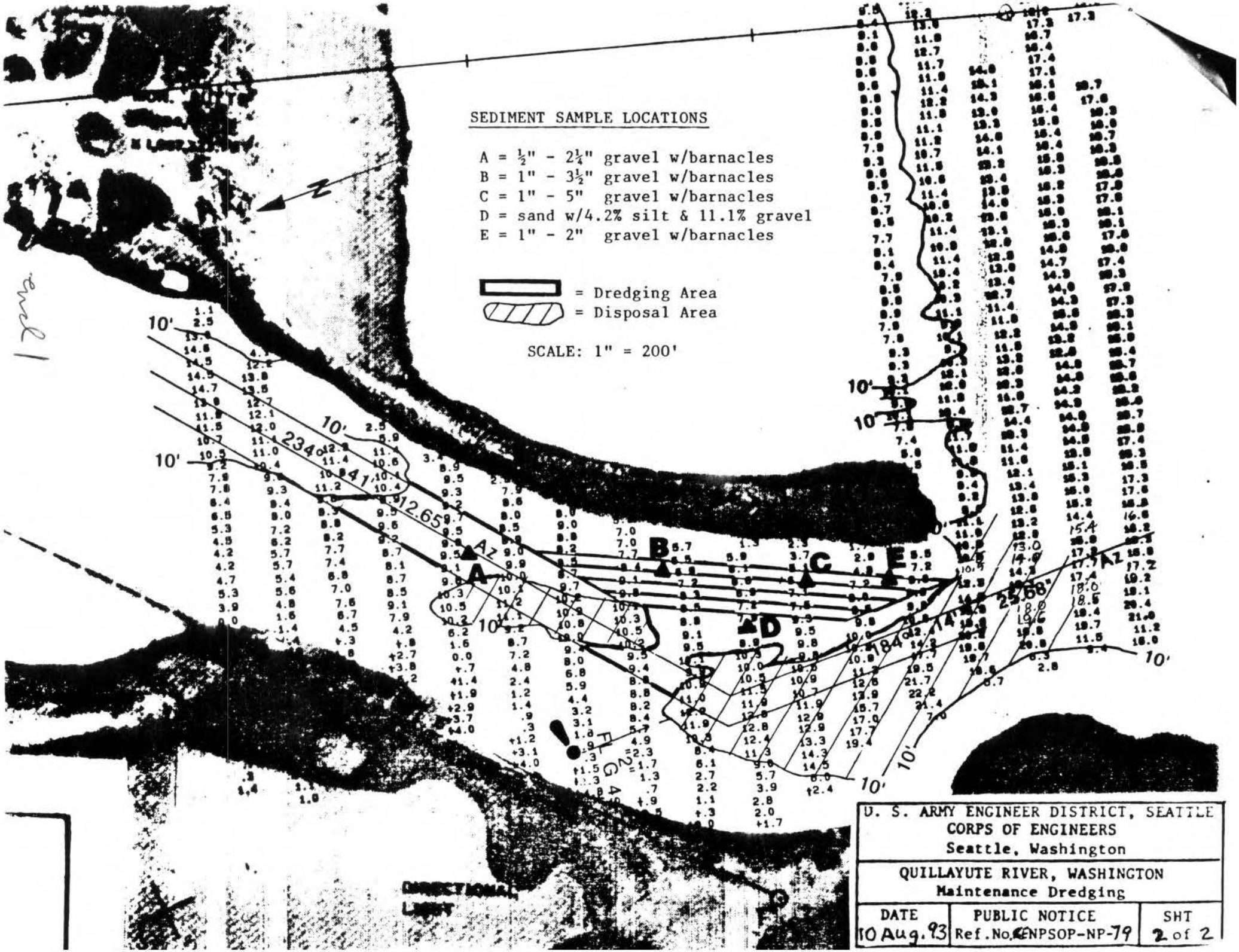
Sandra Manning
Washington Department of Ecology

26 August 1993
Date

Desiree Turner/Gene Revelas
Washington Department of Natural Resources

Enclosures

Copies Furnished:
Tom Mueller, Corps
Justine Barton/John Malek, EPA
Sandra Manning, Ecology
Desiree Turner/Gene Revelas, DNR
DMMO File



U. S. ARMY ENGINEER DISTRICT, SEATTLE CORPS OF ENGINEERS Seattle, Washington		
QUILLAYUTE RIVER, WASHINGTON Maintenance Dredging		
DATE 10 Aug. 93	PUBLIC NOTICE Ref. No. CENPSOP-NP-79	SHT 2 of 2

NPD Form Apr 56 88

SCREEN ANALYSIS OF CONCRETE AGGREGATES

PROJECT	CONTRACT
QUILLAYUTE SAMPLE "D"	

Material	Time	Date
SILT/SAND/GRAVEL		7/23/93

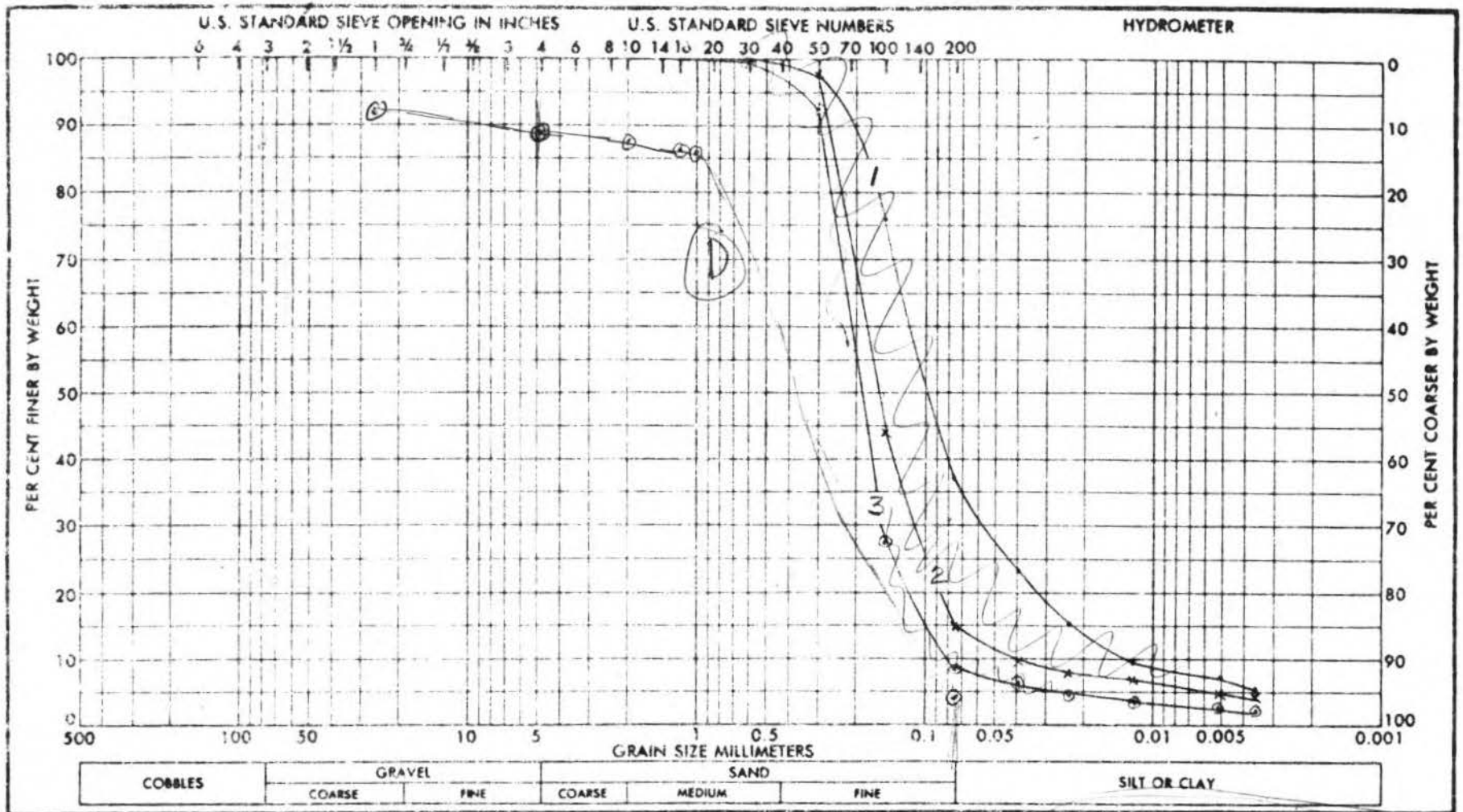
Wt. of Sample	Sample From	Inspector
1958 g	QUILLAYUTE	CAMPBELL/ SCHIEFELBEIN

Screen Size	Weight Retained	Percent Retained	Accum. Weight Retained	Accum. Percent Retained	Percent Passing Sample	Percent Passing Specs.	Remarks
1"	155 g	7.91	155 g	7.91	92.09		1 large rock
#4	62 g	3.17	217 g	11.08	88.92		
#10	25 g	1.28	242 g	12.36	87.64		
#16	25 g	1.28	267 g	13.64	86.36		
#18	13 g	0.67	280 g	14.3	85.7		
#200	1595 g	81.46	1875 g	95.76	4.24		
PAN	83 g	4.23	1958 g	100.0	0		

Total Accum. Percent Retained	Fineness Modulus
≈ 100	
Moisture Content N/A % / Color N/A	
Clay Lumps 0 % / Soft Fragments N/A %	Limiting F. M. (Specifications) From

Remarks

encl 2



100
-88.9
11.1% gravel
88.9
4.2% silt
84.6% sand

SAMPLE NO.	DEPTH	CLASSIFICATION	NAT W%	LL	PL	PI
1	Surface	Si. SAND (SM)	Station 8+00			
2	Surface	Si. SAND (SM)	Station 10+00			
3	Surface	Si. SAND (SP-SM)	Station 12+00			

PROJECT Quillayute River, Washington

Samples of FY 74 Dredge Material

AREA Channel Bottom

BORING NO.

DATE 18 Jan 74 74-S-567

GRADATION CURVES NPD

ENG FORM 2087
1 MAY 63

REPLACES WES FORM NO. 1241, SEP 1962, WHICH IS OBSOLETE.

U.S. GOVERNMENT PRINTING OFFICE 1963 OF—709-186