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.

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Concur:

26 August 1993 David R. Kendall
Date David R. Kendall, Ph.D
Seattle District Corps of Engineers

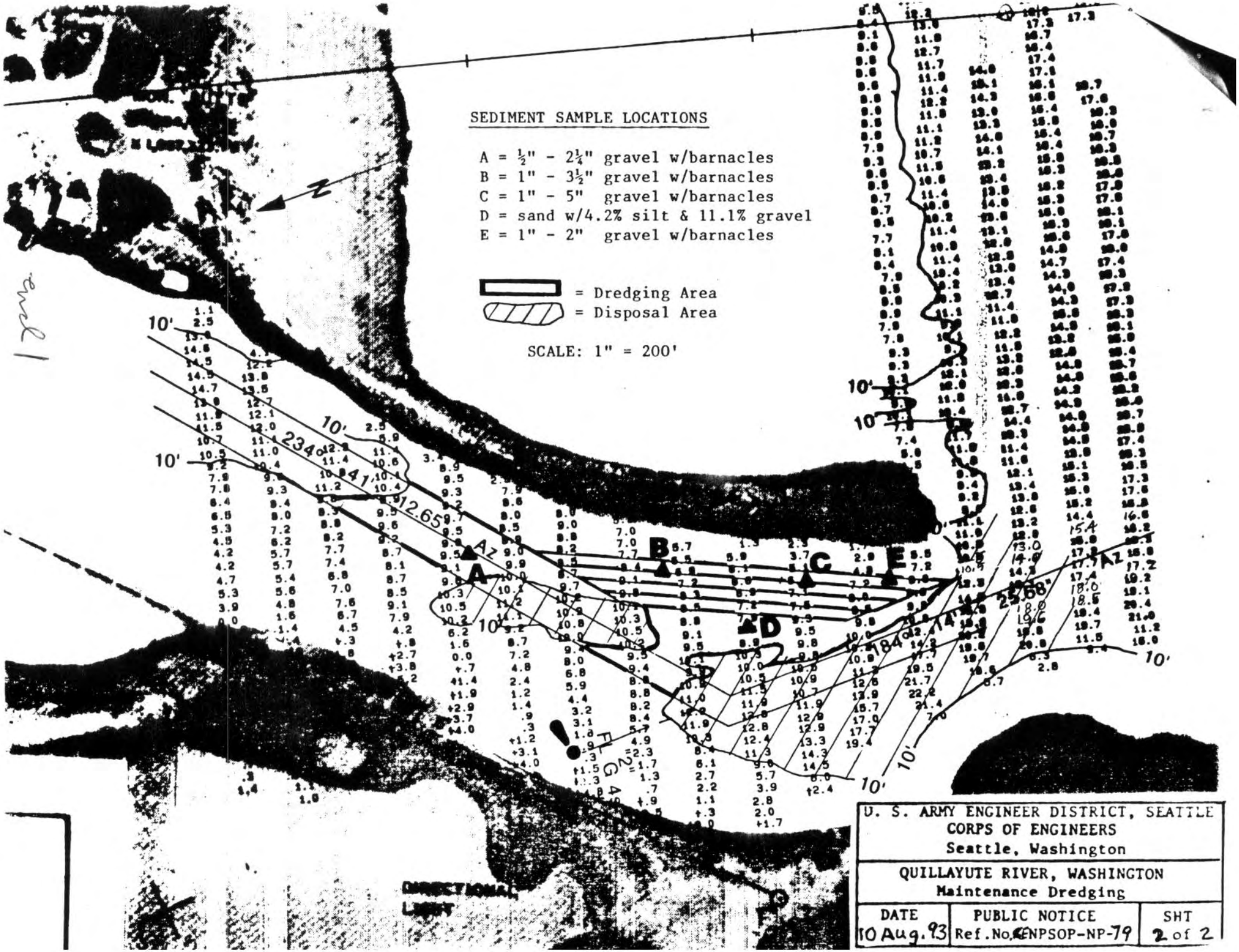
26 August 1993 John Malek
Date Justine Barton/John Malek
Environmental Protection Agency
Region X

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<br>CORPS OF ENGINEERS<br>Seattle, Washington | | |
|---|---|---|
| QUILLAYUTE RIVER, WASHINGTON<br>Maintenance Dredging | | |
| DATE<br>10 Aug. 93 | PUBLIC NOTICE<br>Ref. No. CENPSOP-NP-79 | SHT<br>2 of 2 |

NPD Form 88
Apr 56

# SCREEN ANALYSIS OF CONCRETE AGGREGATES

| PROJECT | CONTRACT |
|---|---|
| QUILLAYUTE SAMPLE "D" | |

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

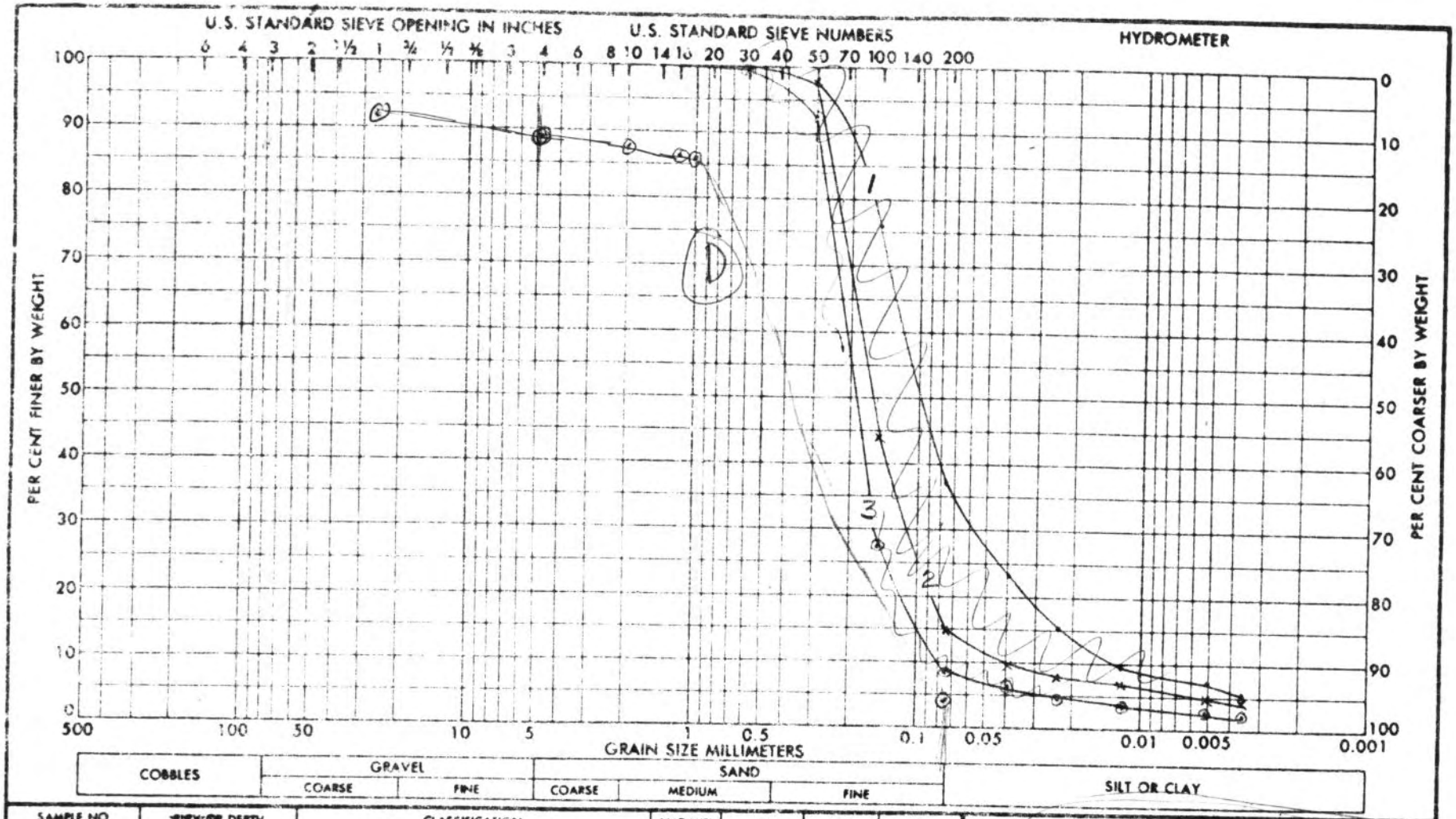
| Wt. of Sample | Sample From | Inspector |
|---|---|---|
| 1958 g | QUILLAYUTE | CAMPBELL/SCHIEFELBEIN |

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

Remarks

encl 2




| SAMPLE NO | ~~XXXXX~~ 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 | | | |
| | | | | | | |
| | | | | | | |

**GRADATION CURVES** NPD

PROJECT Quillayute River, Washington
Samples of FY 74 Dredge Material
AREA Channel Bottom
BORING NO.
DATE 18 Jan 74 74-S-567

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

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