



REPLY TO ATTENTION OF

DEPARTMENT OF THE ARMY
WATERWAYS EXPERIMENT STATION, CORPS OF ENGINEERS
3909 HALLS FERRY ROAD
VICKSBURG, MISSISSIPPI 39180-6199

7-7010
File/Mobile-Hdr
GENERAL
OP-PW

CEWES-CC-S (70-1r)

MEMORANDUM FOR Commander, U.S. Army Engineer District, Mobile, ATTN: CESAM-PM
(Mr. Jamie B. Hildreth), P.O. Box 2288, Mobile, AL 36628-0001

SUBJECT: Monitoring Nearshore Placement of Dredged Material at the Entrance to Mobile Bay

1. This memorandum is provided as part of the U.S. Army Engineer Waterways Experiment Station's (WES) continuing effort to keep Commanders fully informed regarding potential research work to be performed in their District.
2. Under the Dredging Operation and Environmental Research (DOER) Program, WES will conduct field monitoring of dredged material placed nearshore with the intent that the sands within the material would migrate shoreward while the fine-grained portion would diffuse away from the site. Similar data sets on nearshore dredged-material mounds have been collected previously by WES and the Mobile District. The unique character of the proposed data set is that it will have a high percentage (up to 70%) of fine-grained sediments. The data will be used to verify existing models and models that are currently under development in the DOER program.
3. The WES researchers have discussed dredged material characteristics and preliminary dredging schedules with Mobile District personnel (Ms. Susan Rees and Messrs. Pat Langan, Paul Bradley, and Carl Dyess) and have decided that the Mobile District offers the best opportunity to conduct a long-term study of a nearshore, mixed-sediment, dredged-material mound. The monitoring effort may begin as early as July 1998 and continue through FY00.
4. On 9 June 1998, Mr. Thomas Richardson, Chief of the Coastal Sediments and Engineering Division at WES discussed this effort with your office and Mr. Dennis W. Barnett (CESAD-ET-PR). To insure prompt coordination, future correspondence regarding the conduct of the study will be carried out principally by e-mail and telephone between the WES POC, Mr. Jack Davis (601/634-3006), and Messrs. Langan, Bradley, and Dyess of the Mobile District. We look forward to continued collaboration.

Robert W. Whalin for
ROBERT W. WHALIN, PhD, PE
Director

-REC'D OP-PW-

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