

1 October 1992

SUBJECT: Fact Sheet on Erosion Problems, Dauphin Island, Alabama

In FY 1991 the Corps deepened the Fort Gaines Channel (Government Cut), between the turning basin and Dauphin Island Bay, from 4 feet to 6 feet by dredging about 17,000 cubic yards of sand. We offered to place this sand in the eroding area south of Fort Gaines provided some responsible agency would pay the excess pumping cost of about \$25,000. No financial support could be found and the dredged material was placed in the approved area on Little Dauphin Island.

c. Present Action. This year the Mobile District was funded for two Emergency Shoreline Erosion Protection studies under the authority of Section 14 of the Flood Control Act of 1946. These studies were named East End Dauphin Island, Alabama, and Dauphin Island Shoreline, Alabama. Both studies are nearing completion.

d. Study Results. The study of the Fort Gaines area, East End Dauphin Island, indicates that restoring the protection at the fort to the original 1909 configuration is feasible. The cost estimate is not completed, but it has advanced to the point where we can confidently say that the total project cost will be in the neighborhood of \$475,000. This will require cash cost share funding from the DIPBB or some other local non-Federal sponsor of about \$119,000 (25 percent). Environmental coordination on this study is being initiated and it is expected that the final report will be completed in December 1992.

We have been unable to find an economically feasible project for the Main Beach Park, the Dauphin Island Shoreline study. The value of the park structures, about \$600,000, is not sufficient to justify any project that would arrest the erosion there. We are preparing a report recommending no Federal action on a Section 14 project which should be complete in November 1992.

4. COORDINATION:

|             |                  |       |                |
|-------------|------------------|-------|----------------|
| CESAM-PD-FP | Concur/Nonconcur | _____ | (205) 690-3411 |
| CESAM-PD-F  | Concur/Nonconcur | _____ | (205) 694-3809 |
| CESAM-PD    | Concur/Nonconcur | _____ | (205) 694-3809 |

5. APPROVAL. The Chief, Planning and Environmental Branch, approved this fact sheet.

Walter W. Burdin, P.E.  
Study Manager