

CESAM-PD-FP (1105-2-10)

14 August 1992

MEMORANDUM THRU
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FOR EN-YD

SUBJECT: Dauphin Island Section 14's - Estimate for Disaster Benefits

1. East End Dauphin Island, Alabama - In recent discussions on economic justification, Ray Gustin, EN-FS, has suggested that additional shore protection west of Fort Gaines could be justified by the need to prevent flanking of the fort by the present erosion. He is correct in that the shoreline of Dauphin Island immediately west of the fort is presently experiencing a high rate of erosion. Please assess the probability of the fort being flanked by erosion in the future and estimate the date when that might occur. In an effort to speed the usual paperwork, we are allocating funds in the amount of \$500 to cover about 8 manhours of work on this task. This work is properly chargeable to BH434 307Y0 00022. This work should be completed, if at all possible, by 31 August 1992.

2. Dauphin Island Shoreline, Alabama - Benefits from preventing loss of the structures at the Main Beach Park are not adequate to justify the work proposed to arrest the erosion. Mr. Henderson, DIPBB Director, has argued that failure to stop the erosion at the park will jeopardize the integrity of the island and that it will be breached at that point during some future hurricane. Please assess the probability of this event occurring, the most likely time it might occur, the magnitude of the breach, and the time it would take for it to heal naturally. We are allocating funds in the amount of \$500 to cover about 8 manhours of work on this task. This work is properly chargeable to BH435 307Y0 00022. This work, also, should be completed by 31 August 1992.

3. This work was discussed briefly between Greg Miller and myself. In the event that it should prove to more difficult and/or require more time than we estimated, please call me at [redacted].

WALTER W. BURDIN, P.E.
Study Manager

[Handwritten Signature]
Burdin/PD-FP
Willis/PD-FP
IAA