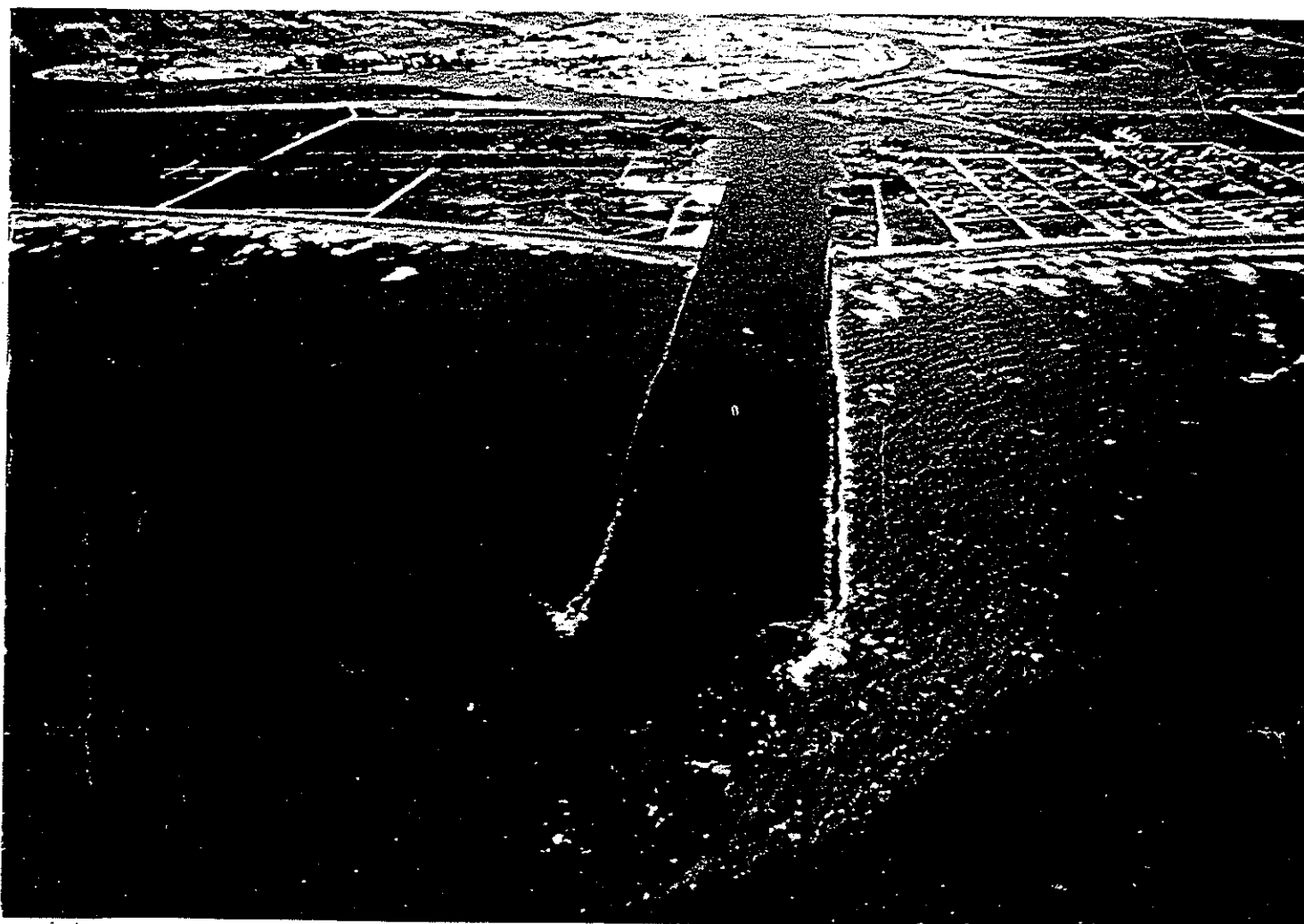


FINAL ENVIRONMENTAL STATEMENT  
FREEPORT HARBOR, TEXAS  
(45-FOOT PROJECT)



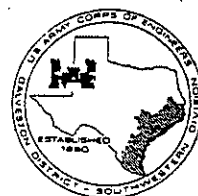
U.S. ARMY ENGINEER DISTRICT, GALVESTON

CORPS OF ENGINEERS

GALVESTON, TEXAS



JULY 1978



1.15 Dredging of the new entrance channel will be accomplished by hopper dredge or pipeline dredge. The deepwater area in the Gulf of Mexico presently used for disposal of dredged material from hopper dredging operations will be increased in size by approximately 340 acres. Dredging of the jetty channel and inland channels and basins will be accomplished by pipeline dredges. During construction, approximately 600,000 cubic yards of sandy material between the existing and new North Jetty and between Mile 0.0 to Mile 0.85, will be placed in the surf-zone along Surfside Beach. Placement of this material will aid in reducing erosion of the existing shoreline in the area until a more permanent solution can be determined. The land areas considered suitable for disposal of material to be dredged from the inner channels are shown on Figure 1. These areas will provide sufficient capacity for both construction and anticipated maintenance of the inner channels. Disposal Area No. 5 will be used only if the local sponsor can renew its existing easement.

1.16 Jetties. The new North Jetty will be constructed to the same height (8 feet above mean low tide) and offshore length (4,200 feet) as the existing North Jetty. The new jetty will have an onshore section approximately 3,500 feet long with a crest elevation of 4.5 feet. These onshore sections will serve as protection against possible flanking of the jetties resulting from erosion during hurricanes. The plan of construction for the jetties combines relocation of the North Jetty and rehabilitation of the South Jetty into a single program utilizing both salvaged materials from the existing North Jetty and new materials from inland quarries.

1.17 Cost Estimates. The total estimated first cost of the plan for enlargement of Freeport Harbor is \$54,603,000. A summary of the detailed cost estimate is shown on Table 7.

1.18 Annual Costs. Total annual costs for enlargement of Freeport Harbor are estimated at \$5,925,000. An interest rate of 6.625 percent, a construction period of 5 years, and a period of 50 years for amortization of the total investment have been used for computation of annual costs. A summary of the estimated total investment and annual costs is shown in Table 8.

1.19 The principal benefits to be derived from enlargement of Freeport Harbor will be savings to navigation from reductions in transportation costs resulting from more efficient vessel operation and reduction of maintenance dredging cost for the entrance channels. The widened entrance channels will allow the hopper dredge to continue

# AGENCY REVIEW TRANSMITTAL SHEET

TO: The Honorable Bob Armstrong, General Land Office

Date: Sent: 1/5/78

Date: Due: 2/08/78

Refer: EIS:8-001-005

FROM: Roy Hogan, Budget and Planning Office

SUBJECT: DRAFT ENVIRONMENTAL IMPACT STATEMENT: FREEPORT HARBOR, TEXAS (45-FOOT PROJECT

We have reviewed the cited document and our comments as to the adequacy of treatment of environmental effects of concern are shown below:

	Check (X) for each item	
	None	Comment enclosed
1. Additional specific effects which should be assessed:		
2. Additional alternatives which should be considered:		
3. Better or more appropriate measures and standards which should be used to evaluate environmental effects:		
4. Additional control measures which should be applied to reduce adverse environmental effects or to avoid or minimize the irreversible or irretrievable commitment of resources:		
5. Our assessment of how serious the environmental damage from this project might be, using the best alternative and control measures:		
6. We identify issues which require further discussion or resolution:		See attached statement.

☒ This agency concurs with the implementation of this project.

☐ This agency does not wish to comment on the subject document because:

RE

FE

Budg

A-31

*R. J. Bishop*  
Name & Title of Reviewing Official

*Mailed 2/8/78 mh*

DRAFT ENVIRONMENTAL IMPACT STATEMENT: FREEPORT HARBOR, TEXAS  
(45-FOOT PROJECT)

We have reviewed the cited document and our comments as to the adequacy of treatment of environmental effects of concern are shown below:

6. In the event the Corps of Engineers plans to deposit any dredged material in the surf on either side of the Old Brazos River entrance Channel, a survey of the mean high water line and aerial photographs of the natural shoreline prior to such deposition must be submitted to the General Land Office. Mr. Herman Forbes of the General Land Office Survey Division must be contacted for the approved mean high water elevation prior to performing the survey. Additionally, Mr. Forbes office must be notified of the date work is planned to commence and of the date work is completed.

RECEIVE

FEB 10 1972

Budget

(5) TEXAS DEPARTMENT OF AGRICULTURE. (Attachment A-29)

Comment: "This agency does not wish to comment on the subject document because: It does not affect agriculture directly."

(6) TEXAS DEPARTMENT OF COMMUNITY AFFAIRS. (Attachment A-30)

Comment: "This agency concurs with the implementation of this project."

(7) GENERAL LAND OFFICE, STATE OF TEXAS. (Attachment A-31)

Comment: "In the event the Corps of Engineers plans to deposit any dredged material in the surf on either side of the Old Brazos River entrance Channel, a survey of the mean high water line and aerial photographs of the natural shoreline prior to such deposition must be submitted to the General Land Office. Mr. Herman Forbes of the General Land Office Survey Division must be contacted for the approved mean high water elevation prior to performing the survey. Additionally, Mr. Forbes office must be notified of the date work is planned to commence and of the date work is completed."

Response: A survey of the mean high water line, aerial photographs, and the date of initial construction will be furnished prior to depositing any material in the surf at Surfside and Mr. Forbes' Office will be notified when completed.

Comment: "This agency concurs with the implementation of this project."

(8) TEXAS AIR CONTROL BOARD. (Attachment A-33)

Comment: "Although dredging activities may cause the release of some objectionable odors, particularly from deposition of dredged materials on the land disposal areas, the size of the project is such that the impact on air quality should be minimal. Therefore, we find that the project is consistent with the Texas Air Pollution Control Implementation Plan."

(9) TEXAS HISTORICAL COMMISSION. (Attachment A-34)

Comment: "In response to your request, we have examined the above-referenced documents and conclude that,