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UNITED STATES MARINE CORPS

Marine Corps Base

Camp Lejeune, North Carolina 28542-5001

7000 FAC FEB 2 3 1987

From: Assistant Chief of Staff, Facilities, Marine Corps Base,

Camp Lejeune

To: Assistant Chief of Staff, Comptroller

Subj: FUNDING TRANSFER TO U.S. ARMY CORPS OF ENGINEERS

Encl: (1) Proposed Work Plan and Milestones

1. Request funds in the amount of \$42,000 be transferred to the Wilmington District, U. S. Corps of Engineers, for completion of the New River Shore Protection Plan. Work to be accomplished is described at the enclosure.

2. A Job Order Number is being assigned by Base Maintenance for the project. Point of contact is Mr. Robert Alexander, Environmental Engineer, extension 3034/3035.

> K. J. KIRIACOPOULOS By direction

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SOLUTION STREET ON

Los yap3 ONE ABAM Jate[®] apadyos NEW RIVER SHORE PROTECTION STUDY

SCOPE AND COST ESTIMATE (NOVEMBER 1986)

ı.	De	\$10,500	
	Α.	Review availability of historic and present charts, maps, and aerial photography. Order needed items.	
	в.	Compare data and generate basic shoreline change map. Identify sites of erosion and compute erosion rates.	
	C.	Review literature. Obtain and review documents on past shore protection measures. Obtain and analyze wind and water level data.	
	D.	Field trip. Inspect entire 84-mile New River shoreline (including AIWW) within Camp Lejeune boundary. Perform detailed inspection of high erosion areas, areas of particular concern to Camp Lejeune, shoreline reaches with designed protection and reaches with masonry rubble. Determine general effectiveness of protected reaches of shoreline.	
	E.	Compile and analyze field and office data to	

II. Establish Erosional Site Priorities

1,000

COST

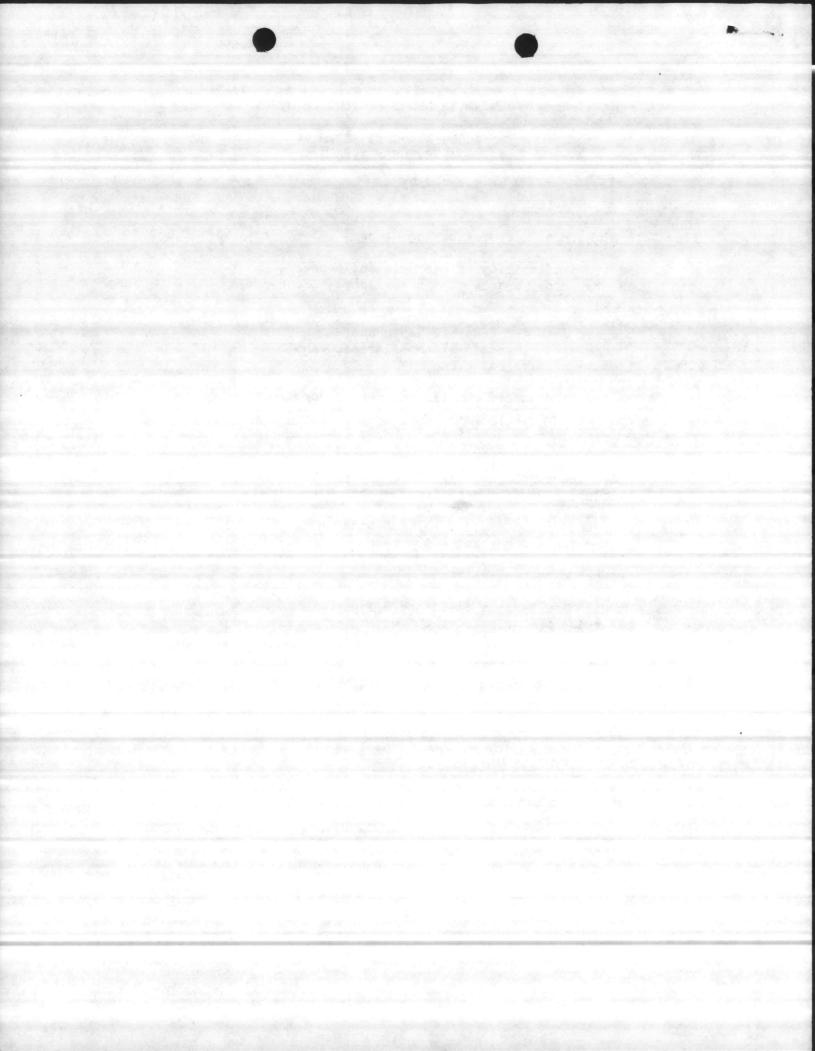
A. Determine Camp Lejeune's present and proposed land use along erosional sites. Establish site priorities based on erosion rates vs. land use.

determine probable cause and extent of erosion.

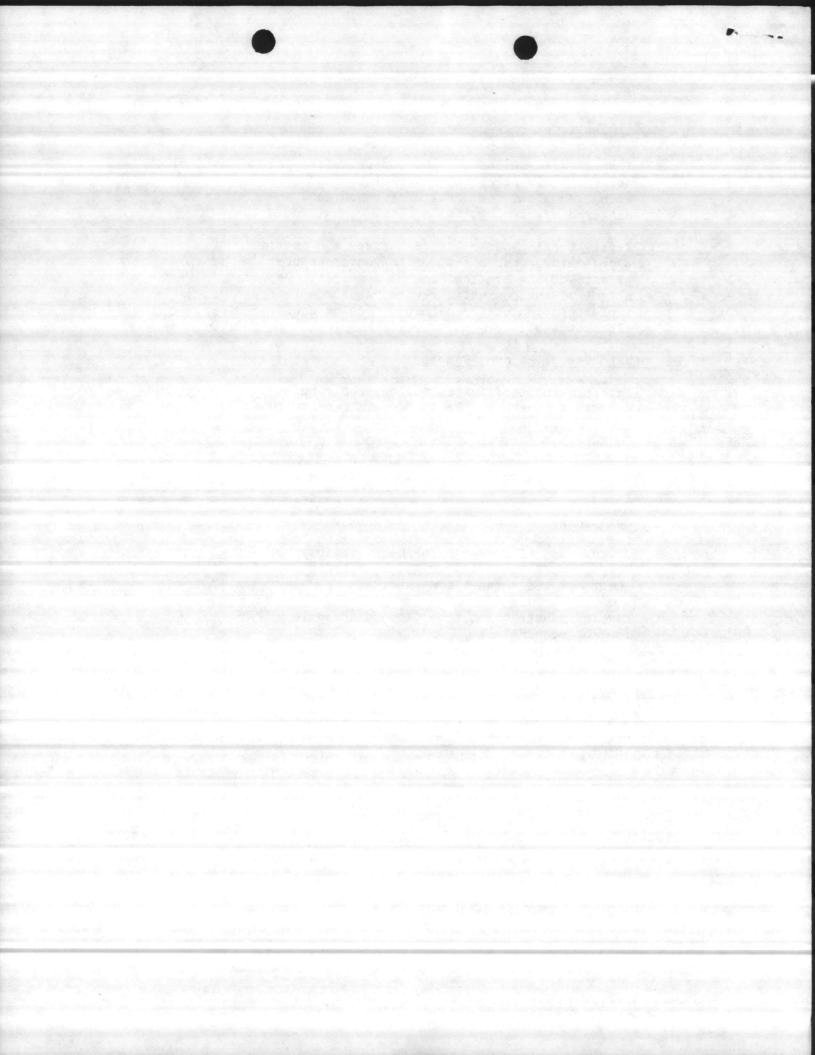
III. Determine Alternative Protection Methods

7,000

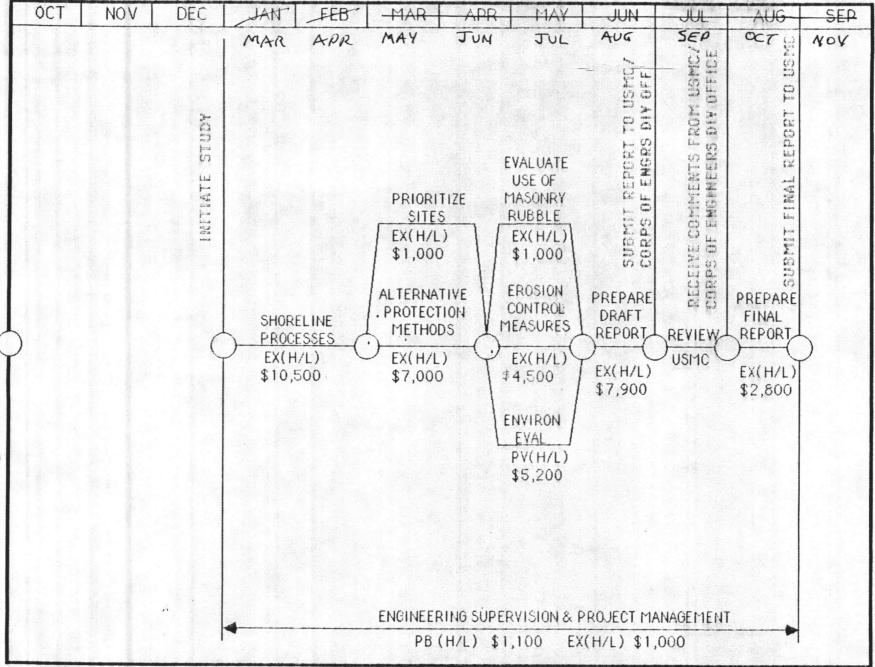
- A. Determine degree of exposure and design wave and water level conditions at sites of interest.
- B. Select best alternatives based on degree of exposure, site conditions, anticipated use, and rough costs. Include masonry rubble as an alternative where applicable.



	TASK	COST		
IV. En	Environmental Evaluation			
Α.	Inspect prioritized erosion control sites and determine environmental constraints associated with each site, i.e., cultural resources, endangered species, wetlands, etc.	5,200		
В.	Review erosion control alternatives and provide a preliminary assessment of the environmental effects of the erosion control measures. Provide a list of environmental review requirements for implementation of the selected erosion control alternatives.			
V. Ev	Evaluate Use of Masonry Rubble			
Α.	Determine most efficient use of rubble and extent of coverage. Review demolition schedule and quantity available as provided by Camp Lejeune.	1,000		
VI. Re	Recommend Erosion Control Measures			
A.	Evaluate alternates with respect to cost and maintenance capabilities of Camp Lejeune.	4,500		
В.	Select best alternative for each erosional site. Prepare general design drawings, compute material quantity, and prepare cost estimate for each site.			
c.	Develop construction schedule and schedule of funding requirements.			
VII. P	repare Draft Report	7,900		
VIII.	Prepare Final Report	2,800		
IX.	Engineering Supervision and Project Management	2,100		
	TOTAL COST	\$42,000		



EXPENDITURES SCHEDULE FOR FY87 \$42,000 STUDY NAME: NEW RIVER SHORE PROTECTION PLAN



CWIS NO.

FILE: CMPLJN87

NAME OF MANAGER: R.G. FASCHER

DATE SKED REVISED: 21 NOV 86 ESTM PRICE LEVEL: 10/1/86 EXPENDED THRU FY86 N/A

