



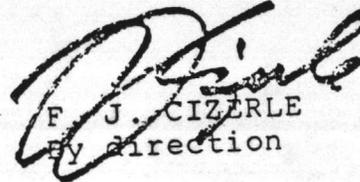
UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO
11000
TRNG
11 Jul 1984

FIRST ENDORSEMENT on RCO ltr 11000 over EOD dtd 11 Jul 1984

From: Assistant Chief of Staff, Training, Marine Corps Base,
Camp Lejeune
To: Assistant Chief of Staff, Facilities, Marine Corps Base,
Camp Lejeune, North Carolina 28542
Subj: IMPROVEMENT OF K-2 IMPACT AREA

1. Forwarded concurring in the PEA as written.
2. As a matter of interest, additional EOD technicians from Marine Corps installations in South Carolina, Virginia and California have been requested to assist in the subject clearing operation from 5 September to 31 October 1984.


F. J. CIZERLE
By direction

Copy to:
RCO
EOD

11000
TRNG
11 Jul 1981

over 1000 in 1981

Marine Corps Base

Marine Corps Base

1981

1981

in the SEA of 1981

Additional 500 technicians from

South Carolina, Virginia and

in the subject area

October 1981

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[Illegible text]

PEA



UNITED STATES MARINE CORPS
Range Control
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

11000
EOD
11 July 84

From: Range Control Officer
To: Assistant Chief of Staff, Facilities
Via: Assistant Chief of Staff, Training

Subj: IMPROVEMENT OF K-2 IMPACT AREA

Ref: (a) AC/S, FAC ltr 6280 over FAC dtd 20JUN84

Encl: (1) Amended PEA for Improvement of K-2 Impact Area

1. In accordance with the recommendations of the reference concerning the project described at the enclosure, the PEA has been amended and is submitted herewith.

T. B. Howard
T. B. HOWARD

Copy to:
Range Maintenance
EOD

11 JULY 84
1500
100

... IMPACT AREA

... OVER PAC BLD

... IMPROVEMENT OF

... IMPROVEMENT OF

*AMENDED

PRELIMINARY ENVIRONMENTAL ASSESSMENT

FOR

RANGE K-2

1. Enclosure. Map showing proposed range.
2. Purpose and Need. The purpose of this proposed action is to provide the Marine Corps Base, Camp Lejeune, North Carolina with a range in the Verona Loop Area to teach Marines the skills necessary for combat situations.
- *3. Project Description. The project consists of clearing trees and brush as indicated in the enclosure and landscaping of the range to establish permanent grasses for erosion control and the digging of drainage ditches to facilitate maintenance.
- *4. Site Location. The site is located on enclosure (1). The location is currently part of the surface danger area for the K-2 Impact Area. This area has been used in the past for aerial bombardment and artillery. Because of a lack of observation due to tree growth the area has fallen to disuse. The reopening of this impact area will provide a quantum leap for the training of artillery batteries aboard Camp Lejeune.
- *5. Range Characteristics. A common impact area is used for all types of mortars, artillery rounds, air delivered ordnance, and dragon missiles. Targets consist of those found in a realistic combat environment such as personnel, vehicle, aircraft, and material targets supplemented by surveyed natural terrain features.
6. Compliance with Environmental Requirements.
 - a. Air Quality: No emissions are anticipated.
 - b. Land Quality: Erosion control measures will be included in the project design. Construction management will provide preventive measures to contain all sediment on site. Reseeding of disturbed areas and vegetative cover on the cleared area will be accomplished within 30 days of completion of construction.
 - c. Clean Water Act: No discharge of wastes to surface waters will occur during range development or subsequent use.
 - * d. National Historic Preservation Act: No significant cultural resources are located on the project site. However, in

of the

the purpose of this report is to provide information on the progress of the project and the results of the studies conducted during the period from January 1, 1964, to December 31, 1964.

The project was carried out under the direction of the Chief of the Division of Biological Sciences, and the results are being reported to the Board of Directors of the National Science Foundation.

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view of the archeological sensitive area, during construction of this project extreme care will be exercised in watching for any indications of matters of historical interest/significance. In the event any evidence is found, construction will immediately be suspended pending further, detailed study and actions in accordance with appropriate directives.

*e. Executive Order 11990 Protection of Wetlands: Disturbance of wetlands will be avoided during clearing and earth moving except that approved by the U. S. Army Corps of Engineers and other agencies as required.

*f. Endangered Species Act: The impact of this project on the habitat of endangered species has been determined to be negligible. This statement is based on the determination that no endangered species are known to live in the area to be affected by clearing and earthwork. However, during construction of this project extreme care will be exercised in watching for any indications of endangered species or their habitat. In the event any evidence is found, construction will immediately be suspended pending further, detailed study and actions in accordance with appropriate directives.

7. Conclusion. The proposed improvements for the K-2 Impact Area will not result in significant environmental impact provided the measures described herein are followed. Further, the project is not considered controversial, thus, preparation of an Environmental Assessment per Marine Corps Order 6280.5 is not required.

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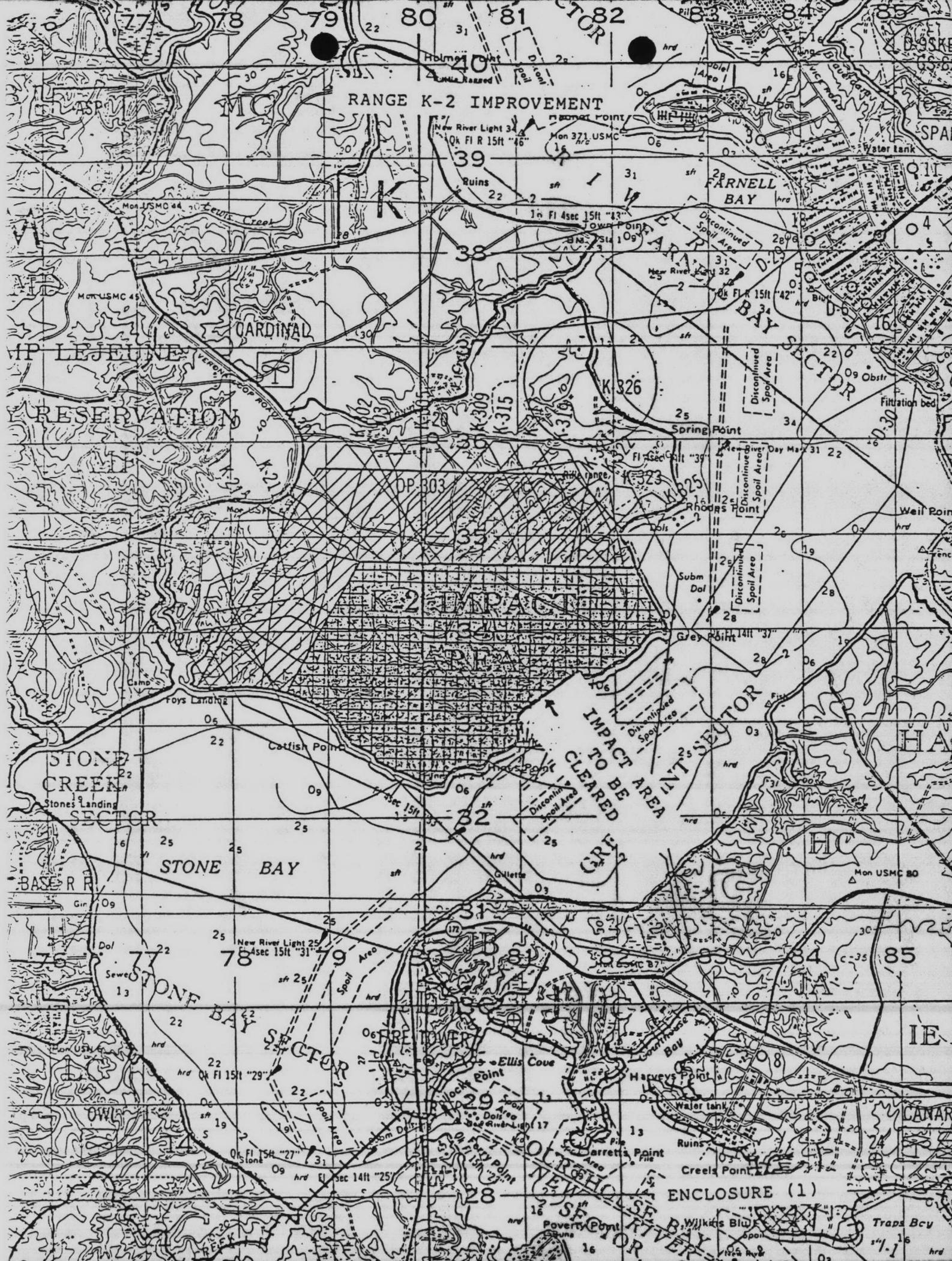
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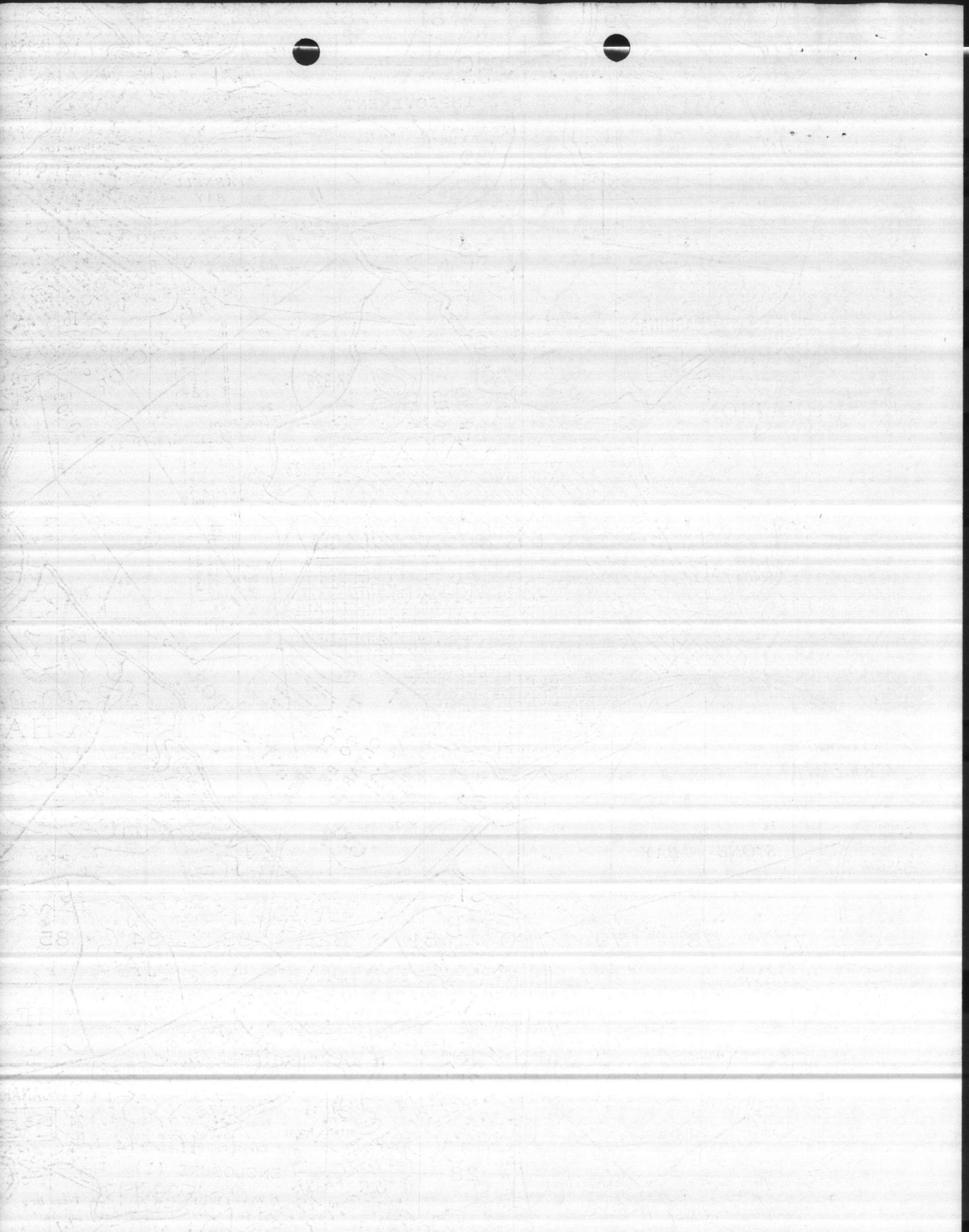
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RANGE K-2 IMPROVEMENT



IMPACT AREA
TO BE CLEARED

ENCLOSURE (1)





UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

RCTL/HBR/irh
11000
8 March 1984

From: Range Control Officer
To: Assistant Chief of Staff, Facilities
Via: Assistant Chief of Staff, Training *Concur JW*
Subj: Improvement of K-2 Impact Area; request for
Ref: (a) MCO 3570.1A
Encl: (1) Map Showing Range
(2) Preliminary Environmental Assessment (PEA)

1. Introduction of the M198, 155mm gun system and improved ammunition for the 60mm and 81mm gun system has established a requirement for Marine Corps Base, Camp Lejeune, North Carolina to provide a live fire training range for use of these weapon systems in the Verona Loop Area. Range K-211 is currently used for 40mm grenade firing with the M203 grenade launcher and is scheduled for refurbishment to accommodate the MK-19, 40mm gun system. Range K-303 and K-305 are used for the 60mm, 81mm gun system, and Dragon Missile system. In accordance with reference (a), and in order to meet the training requirements of tenant commands at Camp Lejeune, it is requested that Range K-303 and K-305 be expanded as shown in enclosure (1).

2. The total area to be cleared is shown in enclosure (1) and will have no significant environmental impact. An EOD sweep of the area to be cleared of vegetation will be conducted prior to the commencement of clearance operations. An EOD survey of the area to be cleared of vegetation, as shown in enclosure (1) has not located any dud ordnance. Clearing of trees could be accomplished by heavy equipment. EOD support will be provided for all down range construction work. Enclosure (2) is the Preliminary Environmental Assessment (PEA) for the proposed range improvement.

3. Point of contact is: MSgt Moses, Range Maintenance Chief, phone extension 5211/3542.

[Handwritten Signature]
K. W. TITZ

STATE MARINE CORPS

WARING CORPS CASE

STATE OF NORTH CAROLINA

ROBERT H. WARRING
1100
5 March 1984

Florida

State of Florida

Department of Environmental Assessment

Department of Environmental Assessment

System and improved

System and improved

Comp. because, North Carolina

Handwritten signature or initials

PRELIMINARY ENVIRONMENTAL ASSESSMENT

FOR

RANGE K-2

1. Enclosure. Map showing proposed range.
2. Purpose and Need. The purpose of this proposed action is to provide the Marine Corps Base, Camp Lejeune, North Carolina with a range in the Verona Loop Area to teach Marines the skills necessary for combat situations.
3. Project Description. The project consists of clearing trees and brush as indicated in the enclosure and landscaping of the range to establish permanent grasses for erosion control and to facilitate maintenance.
4. Site Selection. The site is located on enclosure (1). The location is currently part of the surface danger area for the K-2 Impact Area. The site was selected because the terrain allows for visibility at ranges up to 2800 meters.
5. Range Characteristics. A common impact area is used for all typed of mortars, artillery rounds, and dragon missiles. Targets consist of personnel, vehicle, and material targets supplemented by surveyed natural terrain features.
6. Compliance with Environmental Requirements.
 - a. Air Quality: No emmissions are anticipated.
 - b. Land Quality: Erosion control measures will be included in the project design. Construction management will provide preventive measures to contain all sediment on site. Reseeding of disturbed areas and vegetative cover on the cleared area will be accomplished within 30 days of completion of construction.
 - c. Clean Water Act: No discharge of wastes to surface waters will occur during range development or subsequent use.
 - d. National Historic Preservation Act: No significant cultural resources are located on the project site.
 - e. Executive Order 11990 Protection of Wetlands: Disturbance of wetlands will be avoided during clearing and earthmoving.
 - f. Endangered Species Act: The impact of this project on the habitat of any endangered species has been determined to be negligible. This statement is based on the determination that no endangered species are known to live in the area to be affected by clearing and earthwork.

ENCLOSURE (2)

Administrative Report

The purpose of this report is to provide information on the progress of the project. The project is currently in the planning stage and the following information is being provided for your information.

The project is currently in the planning stage and the following information is being provided for your information. The project is currently in the planning stage and the following information is being provided for your information.

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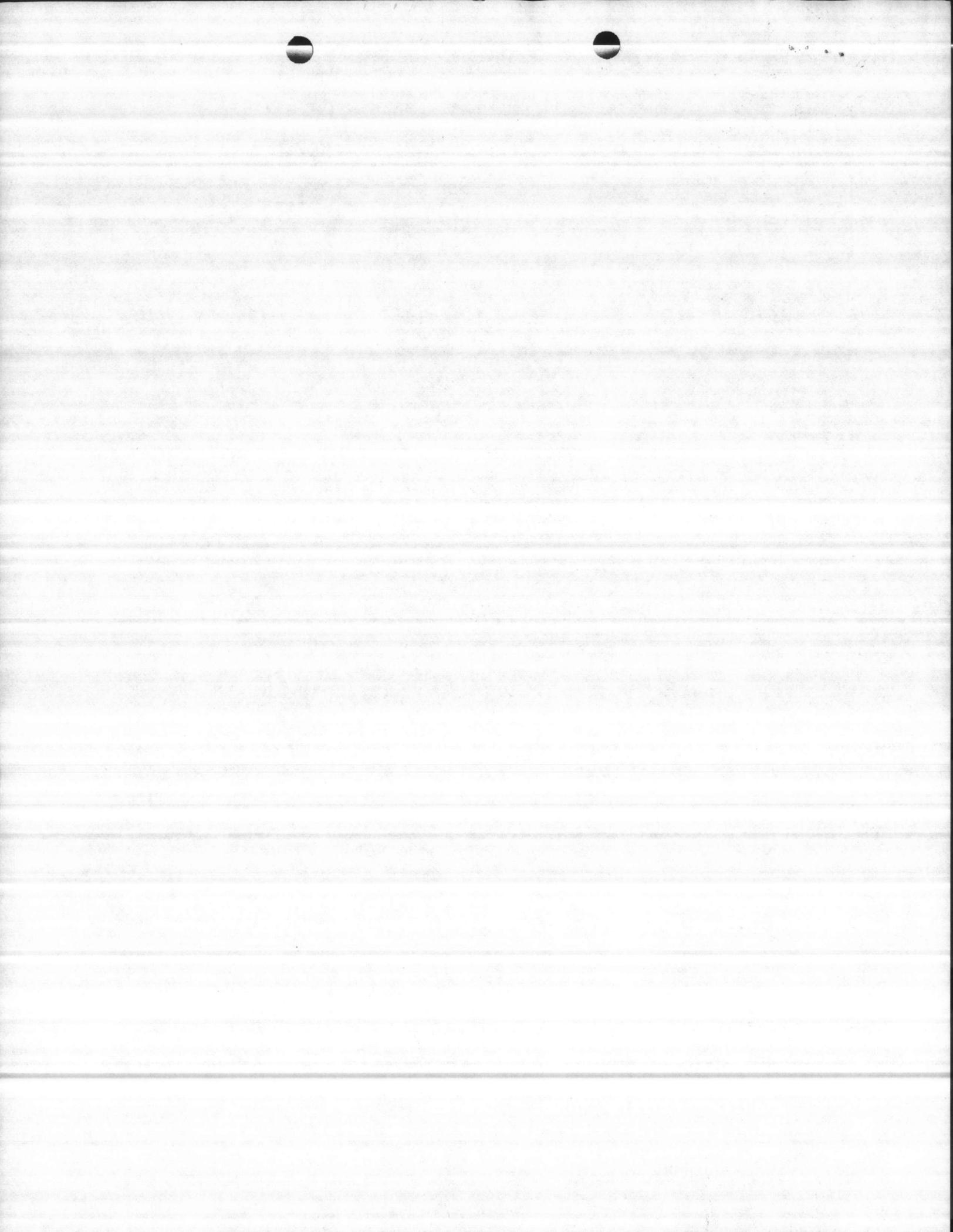
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PRELIMINARY ENVIRONMENTAL ASSESSMENT continued:

7. Conclusion. The proposed improvements for the K-2 Impact Area will not result in significant environmental impact provided the measures described herein are followed. Further, the project is not considered controversial, thus, preparation of an Environmental Assessment per Marine Corps Order 6280.5 is not required.



M-113

RANGE K-2 IMPROVEMENT

CAMP LEJEUNE TARY RESERVATION



STONE CREEK SECTOR

BASE R R

STONE BAY SECTOR

GREY POINT SECTOR

ENCLOSURE (1)

