



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

IN REPLY REFER TO  
FAC/REA/nh  
6280/1  
16 MAR 1984

From: Commanding General  
To: Distribution List

Subj: Proposed Clearing within K-2 Impact Area and K-211  
40mm Grenade Range

Ref: (a) BO 11000.1A  
(b) BO 11015.2G  
(c) CG ltr FAC/REA/nh 6280/1 dtd 9 Mar 84

Encl: (1) RgCtrl0 ltr RCTL/HBR/ves over 11000 dtd 30 Jan 84 w/end  
(2) AC/S Trng ltr RCTL/HBR/irh 11000 dtd 8 Mar 84

1. Request that the enclosures be reviewed in accordance with references (a) and (b). These enclosures will be reviewed for appropriate environmental considerations at the 21 March 1984 meeting of the Environmental Impact Review Board.

2. Point of contact for this review is Mr. Bob Alexander, ext 3034/3035.

M. G. LILLEY  
By direction

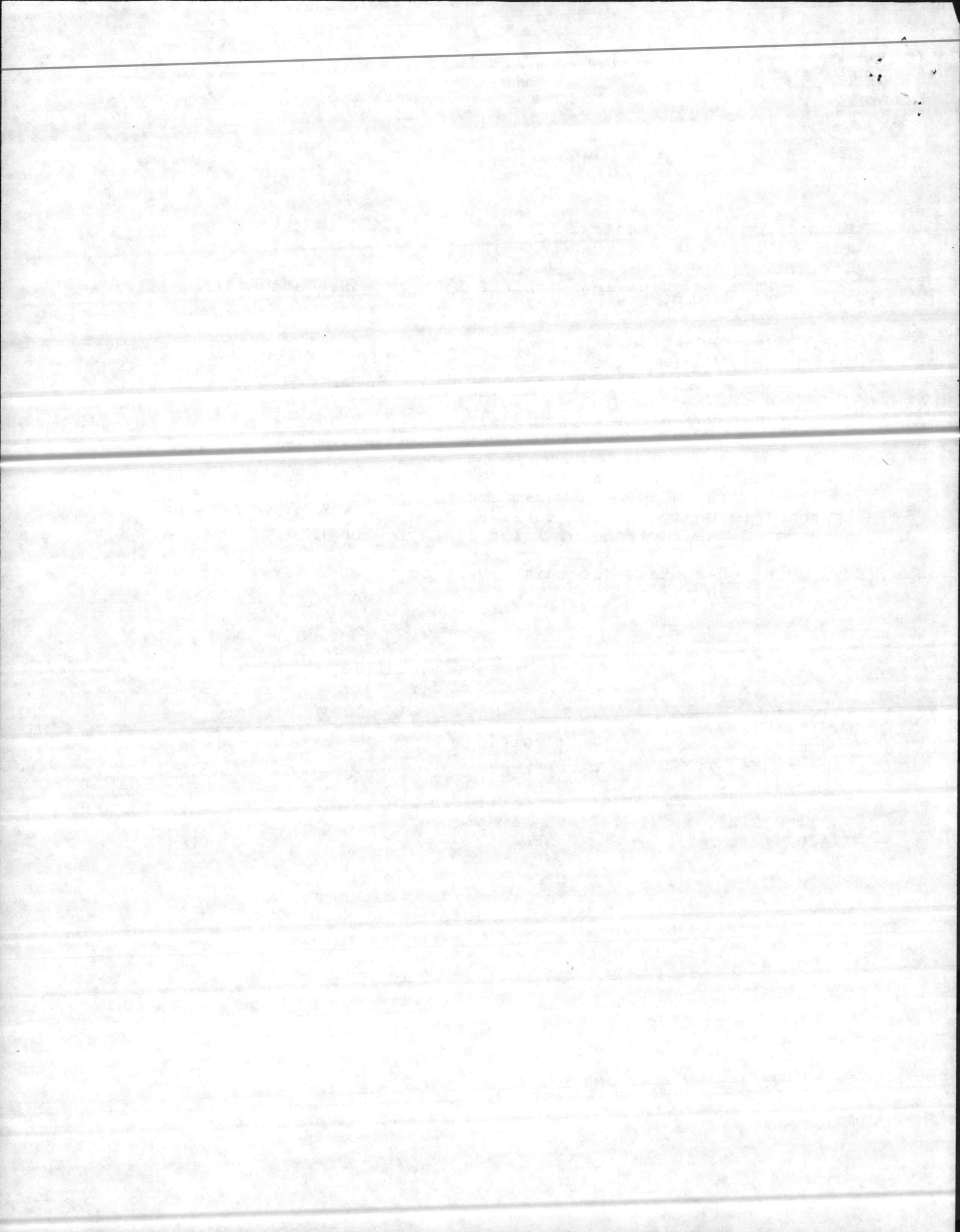
DISTRIBUTION:

(Members)

Rep, 2d MarDiv (G-4)  
Rep, 2d FSSG (G-4)  
Rep, 6th MAB (G-4)  
Rep, MCAS(H), NR (S-4)  
TFACO  
BMO  
PWO

(Advisors)

Dir, NREA  
SupvEcologist  
BWildlifeMgr  
BGameProtector  
SAFD  
SJA  
DPDO  
Ch, VetMedSvc, NavHosp  
Ch, Occup/PrevMed, NavHosp





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

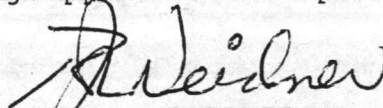
IN REPLY REFER TO  
TRNG/RJW/ekd  
11000  
31 Jan 1984

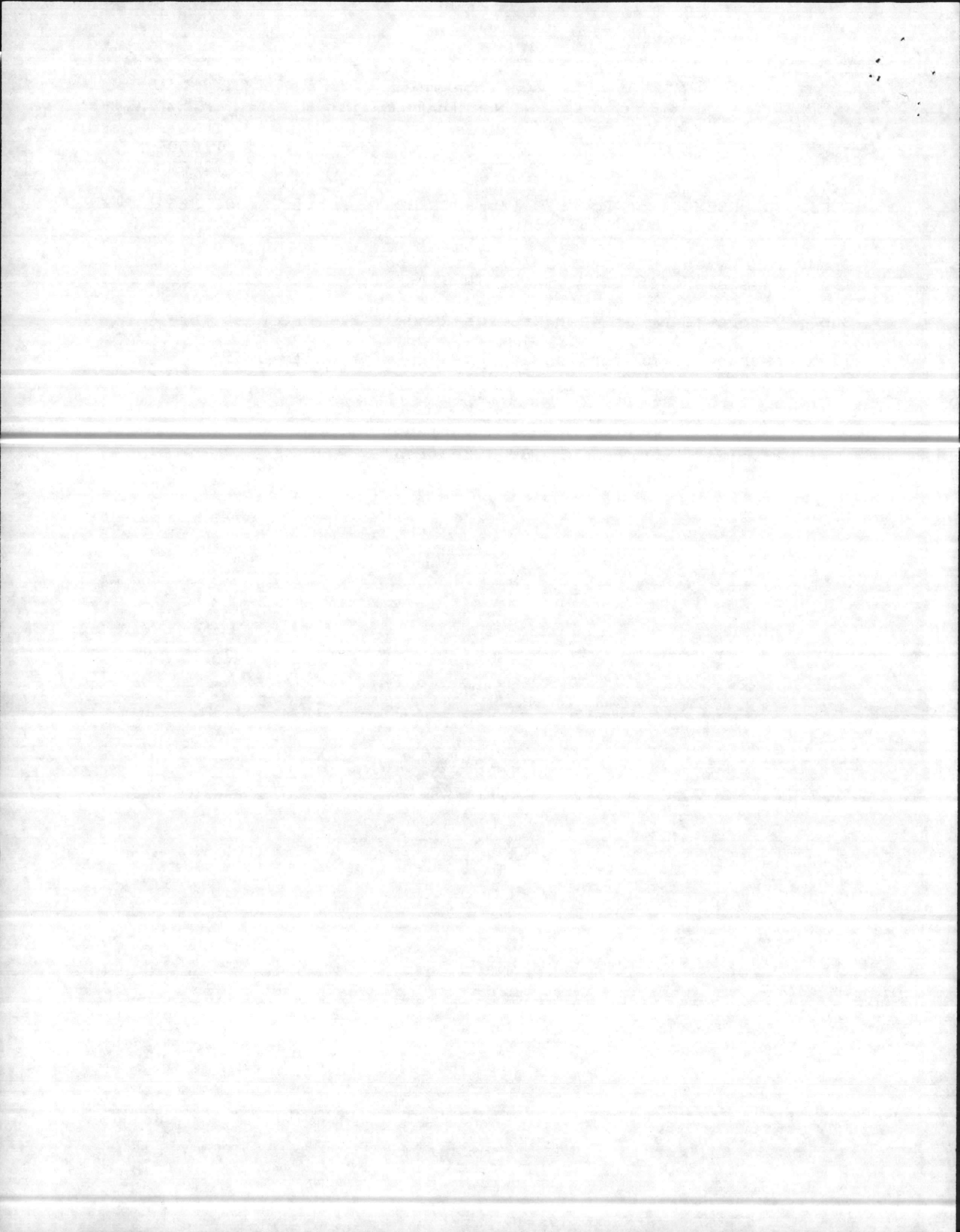
FIRST ENDORSEMENT on RgCtrl0 ltr RCTL/HBR/ves over 11000 dtd  
30 Jan 1984

From: Assistant Chief of Staff, Training  
To: Assistant Chief of Staff, Facilities

Subj: Improvement of 40MM Grenade Range K-211; request for

1. Forwarded, recommending approval on a priority basis.

  
B. J. WEIDNER  
By direction





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

IN REPLY REFER TO

RCTL/HBR/ves  
11000  
30 January 1984

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

Subj: Improvement of 40MM Grenade Range K-211; request for

Ref: (a) MCO 3570.1A

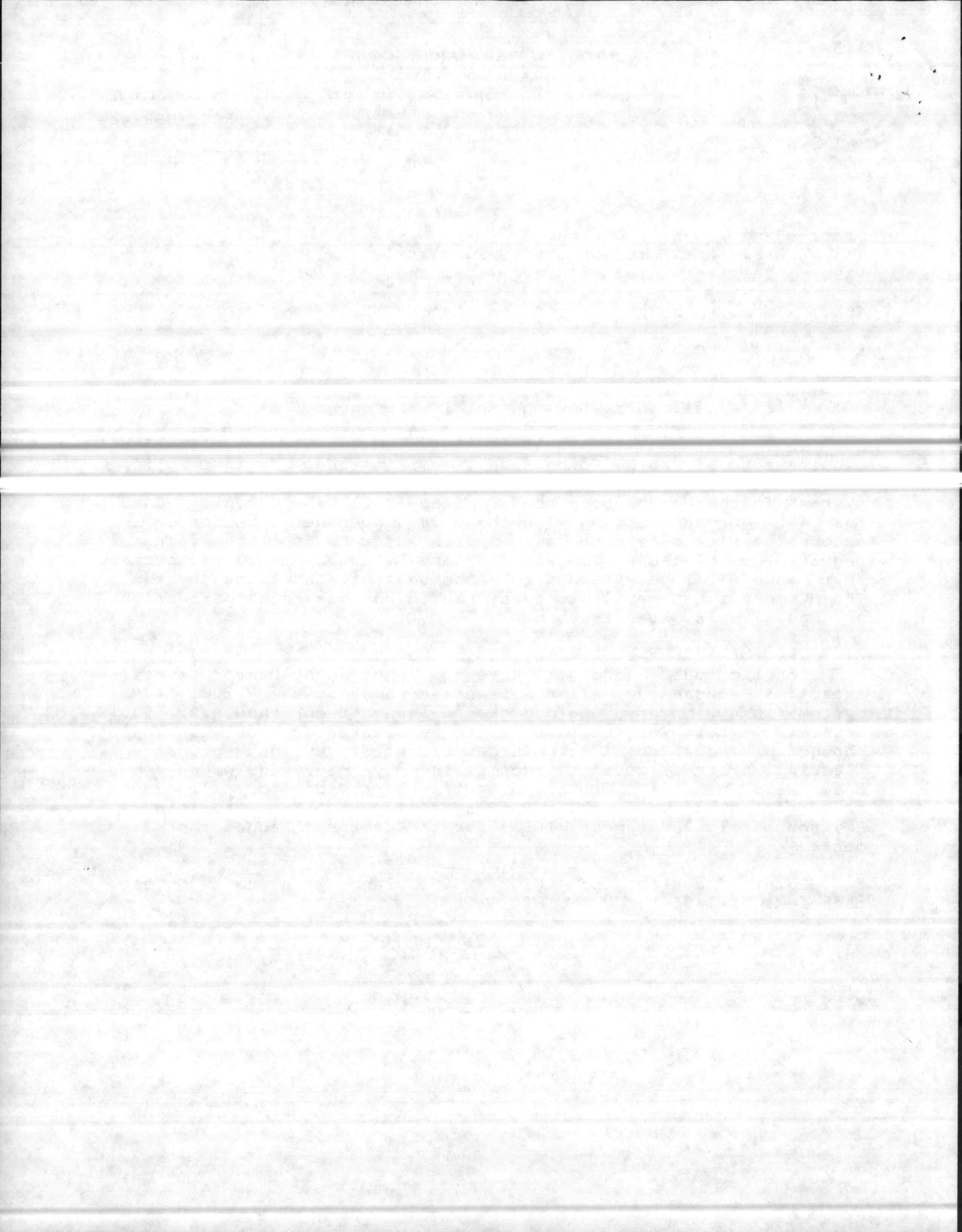
Encl: (1) Map Showing Range  
(2) Preliminary Environmental Assessment (PEA)

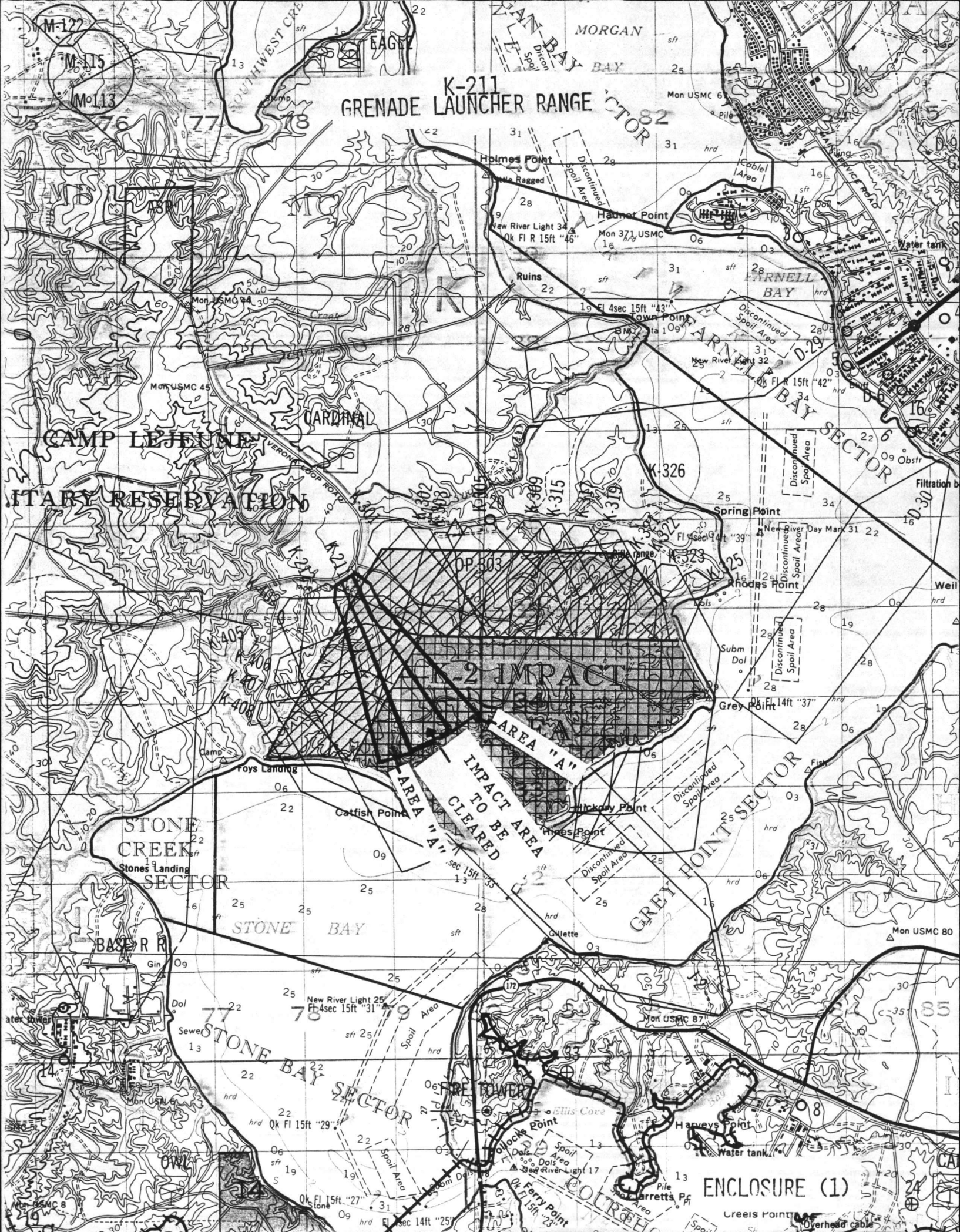
1. Introduction of the MK-19, 40MM gun system has established a requirement for Marine Corps Base, Camp Lejeune, North Carolina to provide a live fire training range for use of this weapon system in the Verona Loop area. Range K-211 is currently used for 40MM grenade firing with the M-203 grenade launcher. 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-211 be expanded to accommodate the MK-19 gun system. The Commanding General has been briefed on this range expansion and has given his tacit approval.

2. The total area to be cleared is shown in enclosure (1), has no economic value and will have no significant environmental impact. Because the maximum effective range of the M-203, 40MM system is 400 meters, no dud grenades have been found past 500 meters. An EOD sweep 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 from Base Maintenance. 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 ext 5211/3542.

*[Handwritten Signature]*  
W. IT





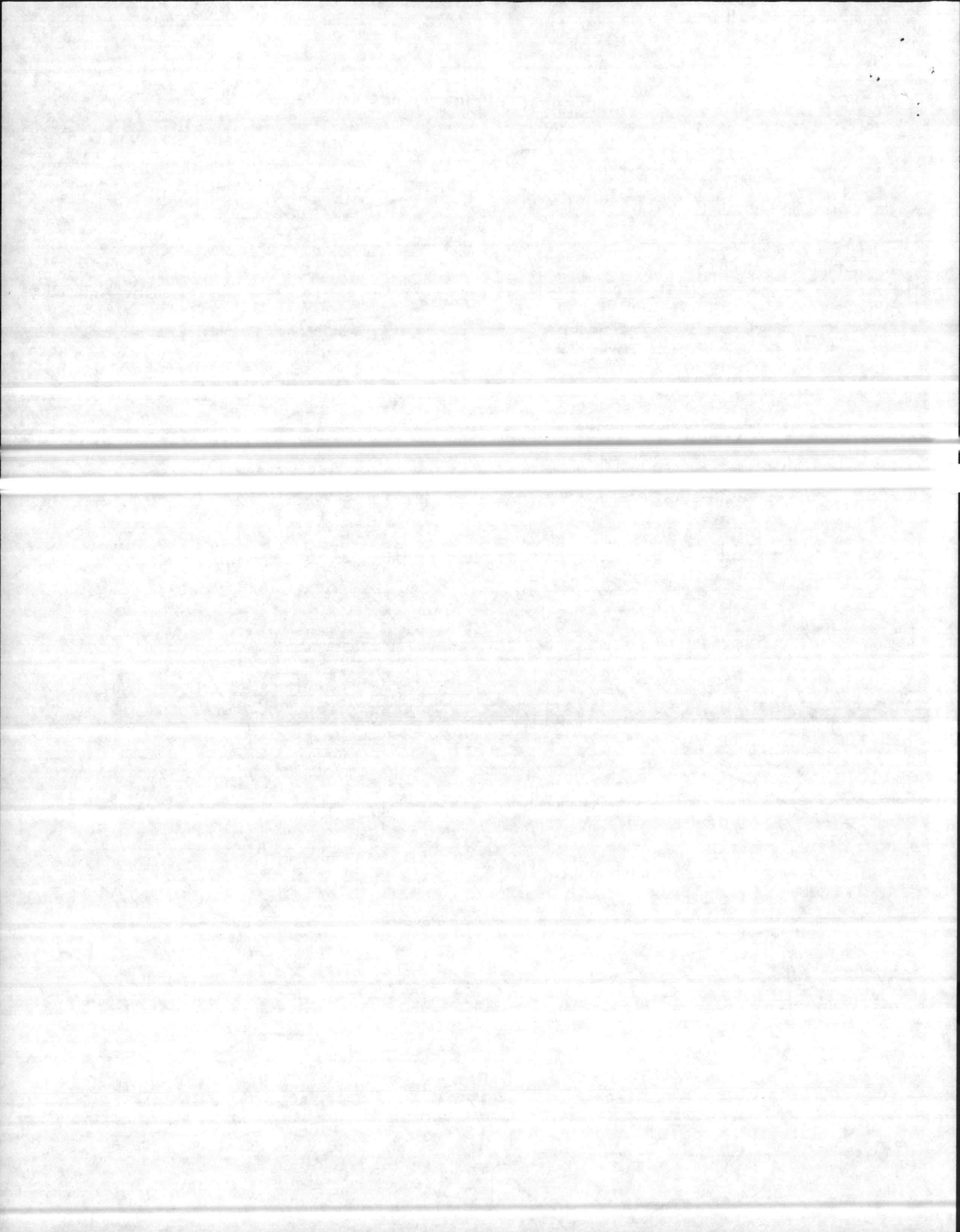
K-211  
GRENADE LAUNCHER RANGE 'CTOR 82

CAMP LEJEUNE  
MILITARY RESERVATION

K-2 IMPACT AREA  
AREA "A"  
IMPACT AREA TO BE CLEARED  
AREA "A"

ENCLOSURE (1)

Overhead cable





PRELIMINARY ENVIRONMENTAL ASSESSMENT  
FOR  
K-211 M203/MK-19 40MM GRENADE RANGE

1. Enclosures. Map showing proposed range.

2. Purpose and Need. The purpose of this proposed action is to provide the Marine Corps Base (MCB), Camp Lejeune, North Carolina with a range in the Verona Loop Area to teach grenade launcher firing techniques and to prepare grenadiers for combat situations. It can handle the M-203 grenade launcher, M-79 grenade launcher, MK-19 40MM machine gun, and all types of rifle grenades and launchers.

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 2200 meters.

5. Range Characteristics

a. Number of Firing Positions - 6

b. Firing Line Width - 30 meters

c. Target Area Width - 150 meters at 400 meters from the firing line expanding out to 300 meters at 2200 meters from the firing line.

d. Minimum Range Depth - 2200 meters

e. Firing Point Configuration - Concrete cinder block wall.

f. Target configuration - Static personnel and material targets.

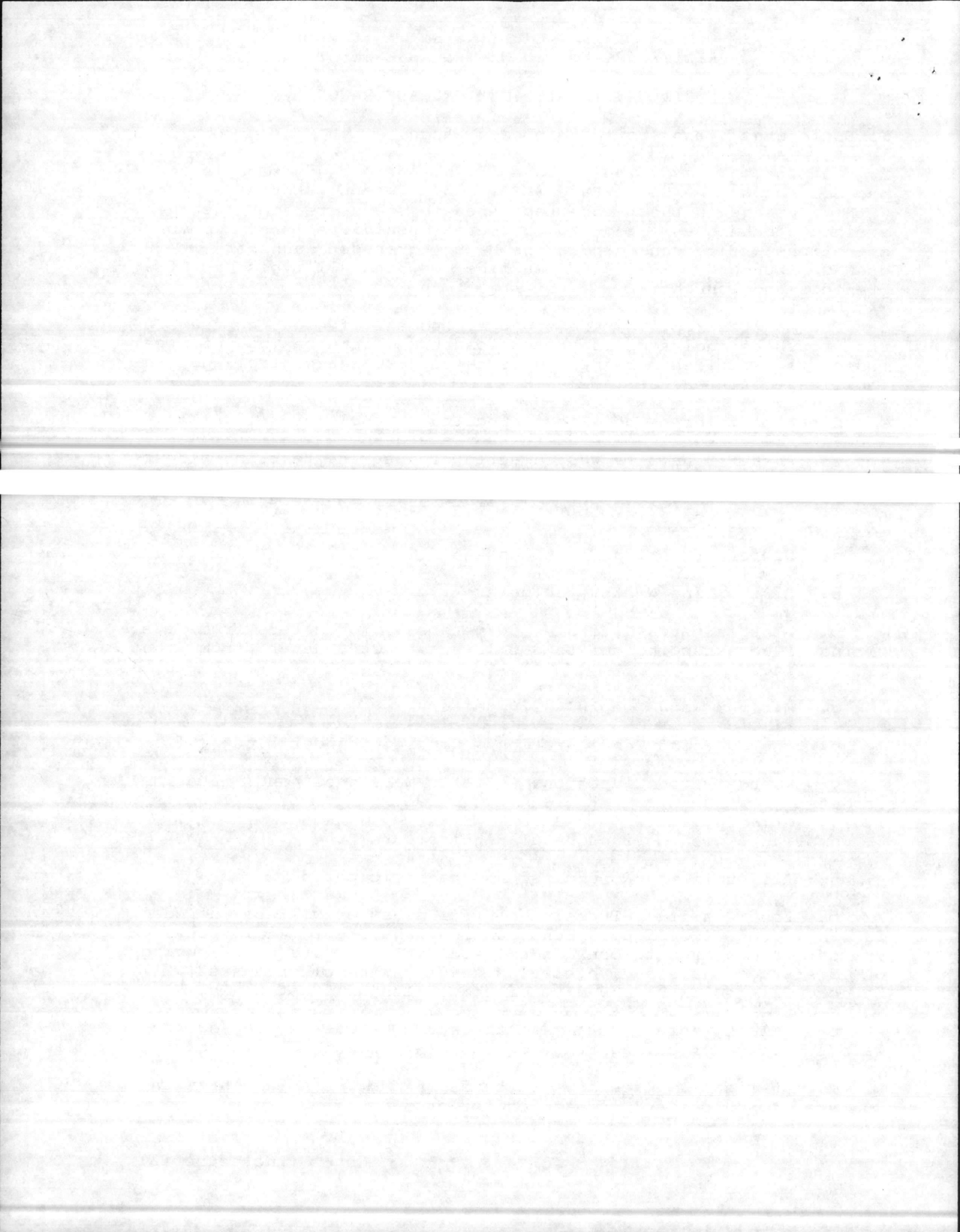
6. Compliance with Environmental Requirements

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.

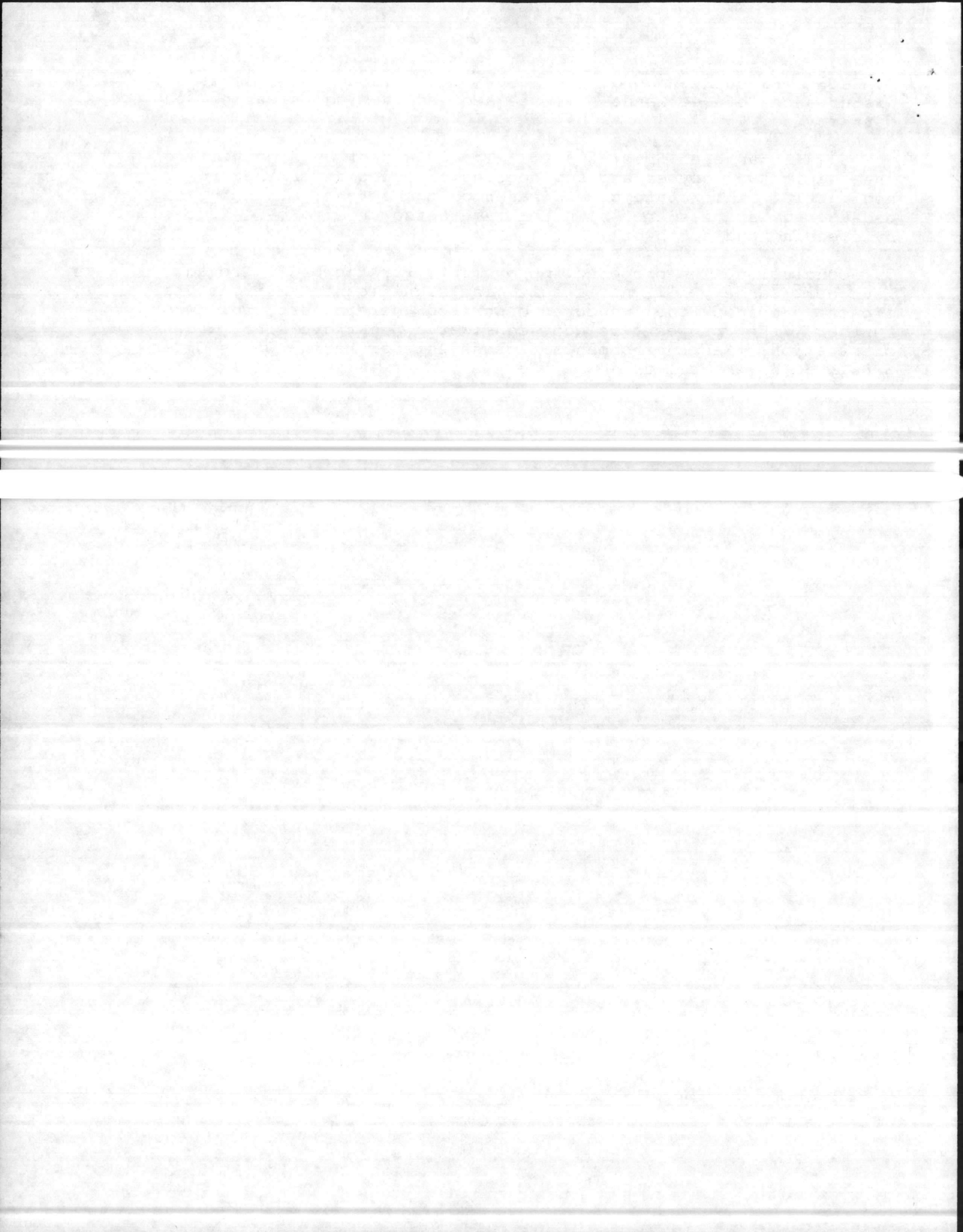
d. National Historic Preservation Act: No significant cultural resources are located on the project site.



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.

7. Conclusion. The proposed improvements for the K-211 Grenade Launcher Range 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.



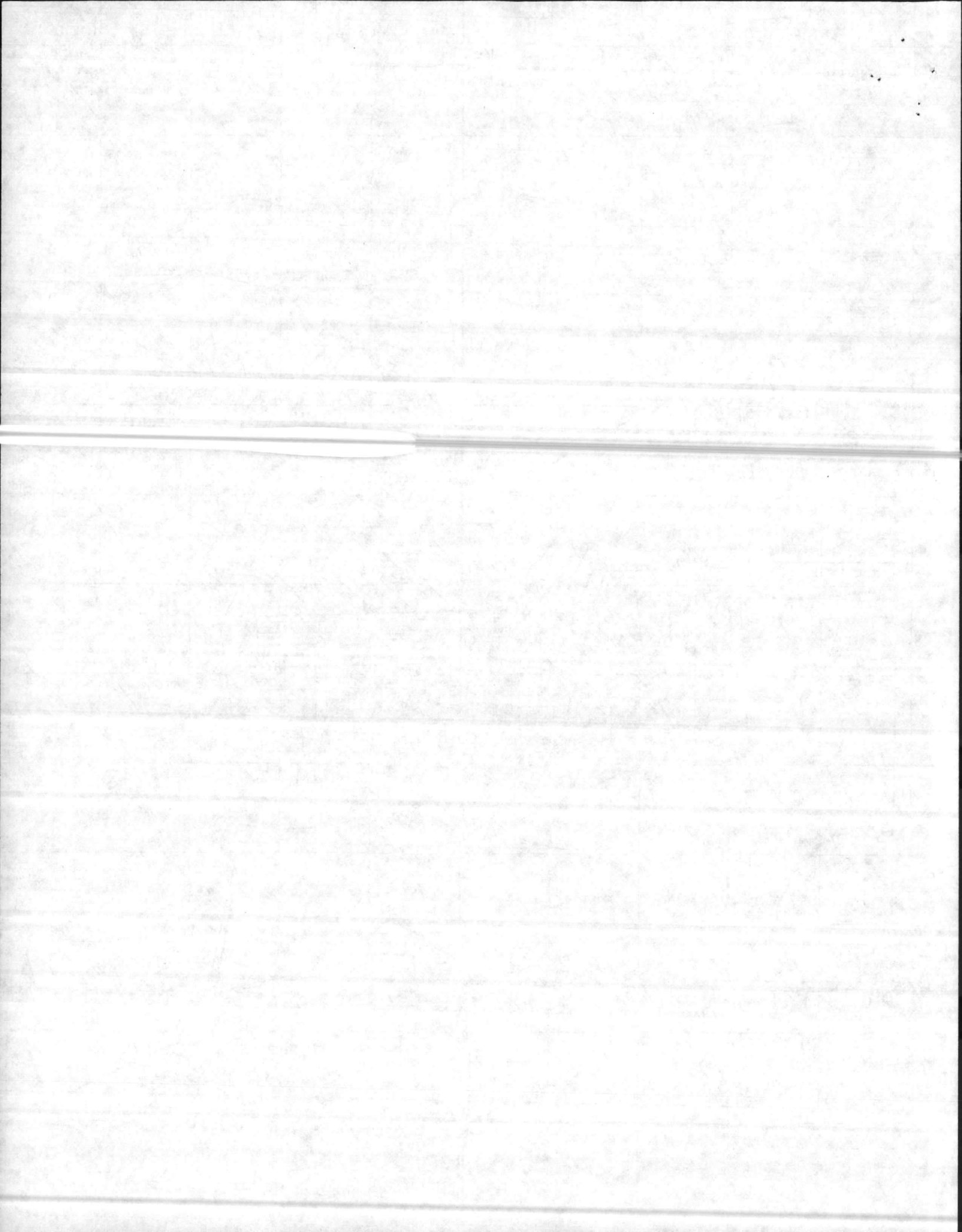


K-211  
GRENAD LAUNCHER RANGE

CAMP LEJEUNE  
MILITARY RESERVATION

IMPACT  
AREA TO BE CLEARED  
AREA "A"

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

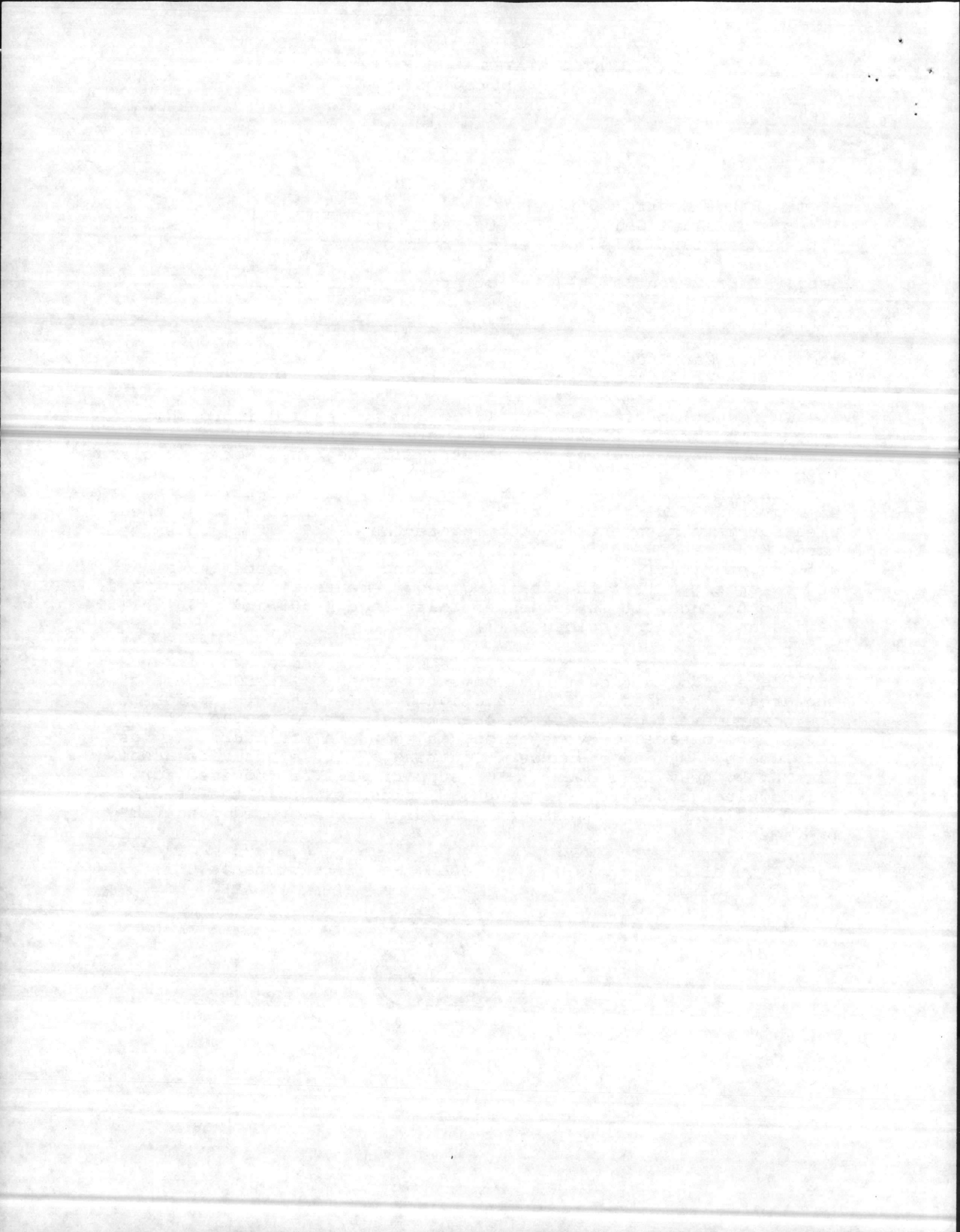
From: Range Control Officer  
To: Assistant Chief of Staff, Facilities  
Via: Assistant Chief of Staff, Training *Concur. MW*  
Subj: Improvement of K-2 Impact Area; request for  
Ref: (a) MCO 3570.1A  
Encl: (1) Map Showing Range  
(2) Preliminary Environmental Assessment (PEA)

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).

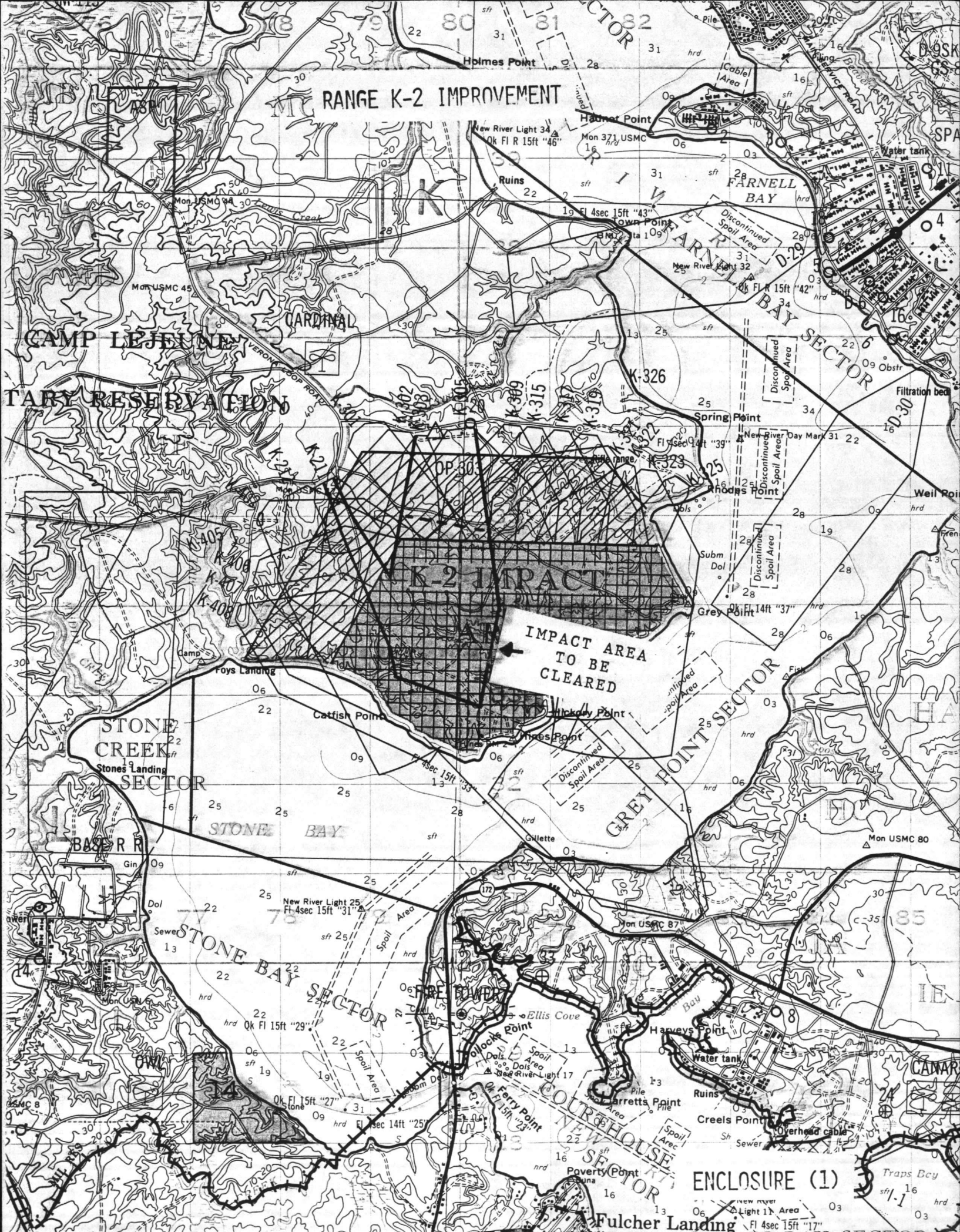
2. The total area to be cleared is shown in enclosure (1) and will have no significant environmental impact. An EOD sweep of the area to be cleared of vegetation will be conducted prior to the commencement of clearance operations. An EOD survey of the area to be cleared of vegetation, as shown in enclosure (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







RANGE K-2 IMPROVEMENT

CAMP LEJEUNE

TARY RESERVATION

K-2 IMPACT AREA

IMPACT AREA TO BE CLEARED

FARNELL BAY SECTOR

STONE CREEK SECTOR

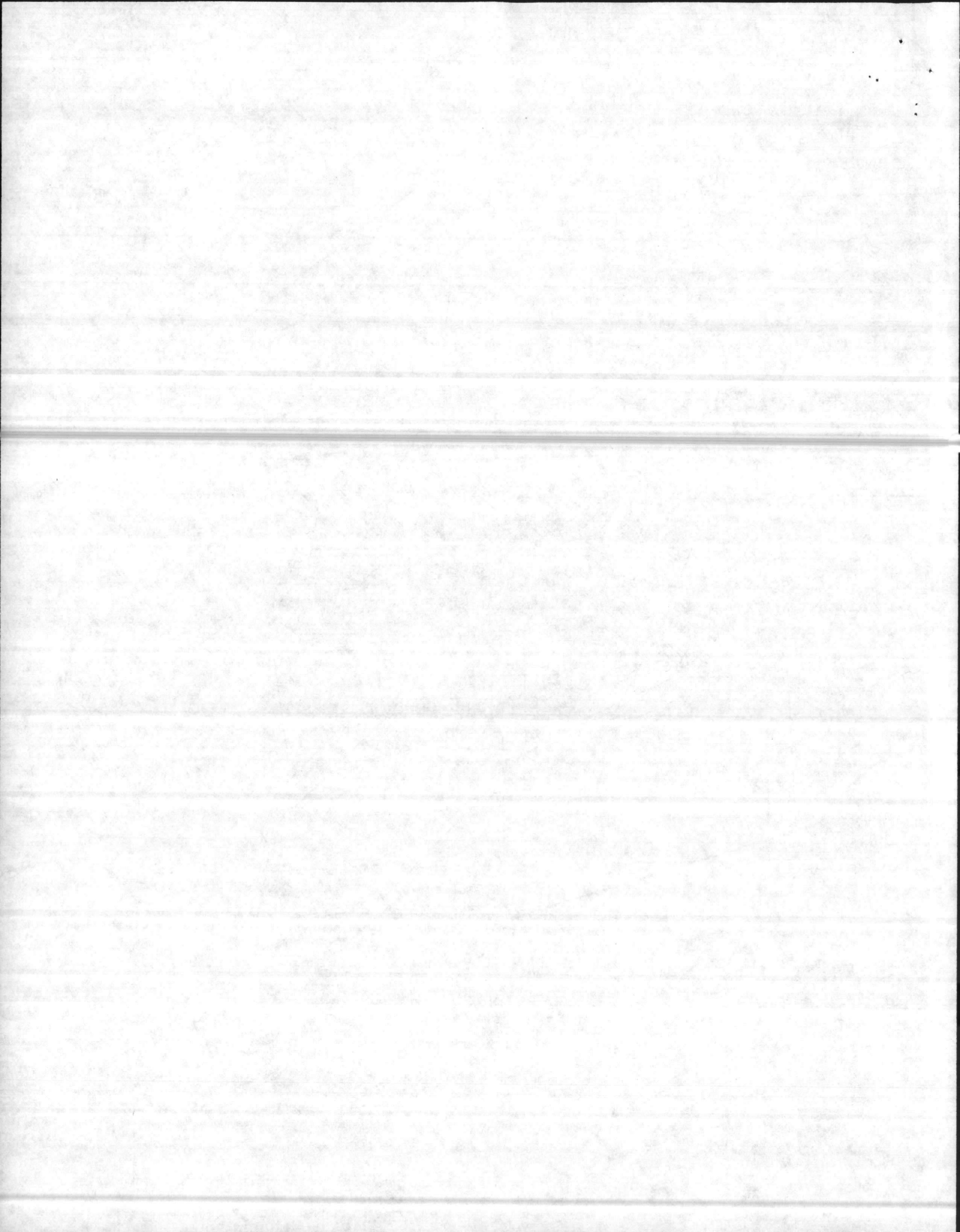
GREY POINT SECTOR

STONE BAY SECTOR

COURTHOUSE SECTOR

ENCLOSURE (1)

Fulcher Landing



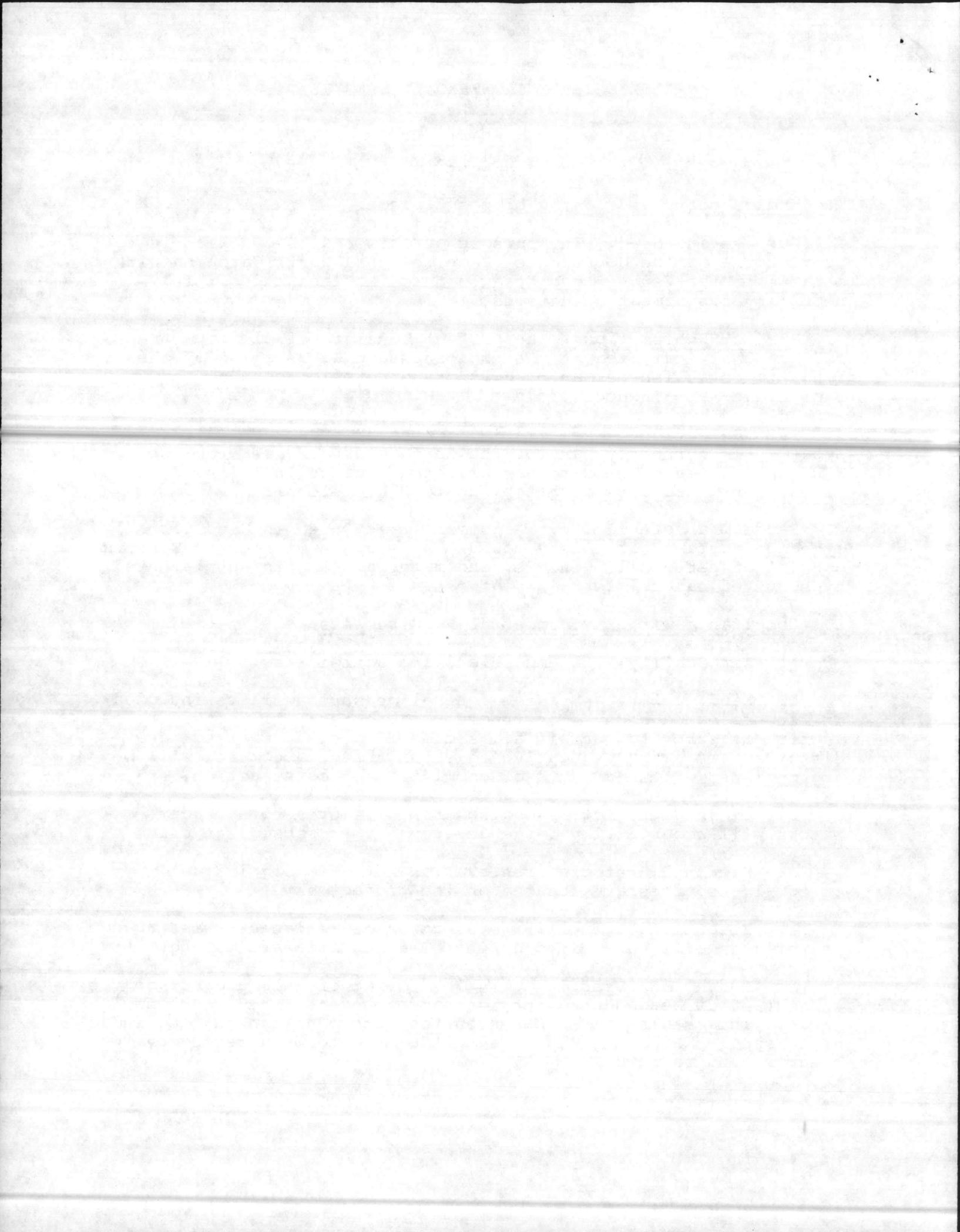
PRELIMINARY ENVIRONMENTAL ASSESSMENT

FOR

RANGE K-2

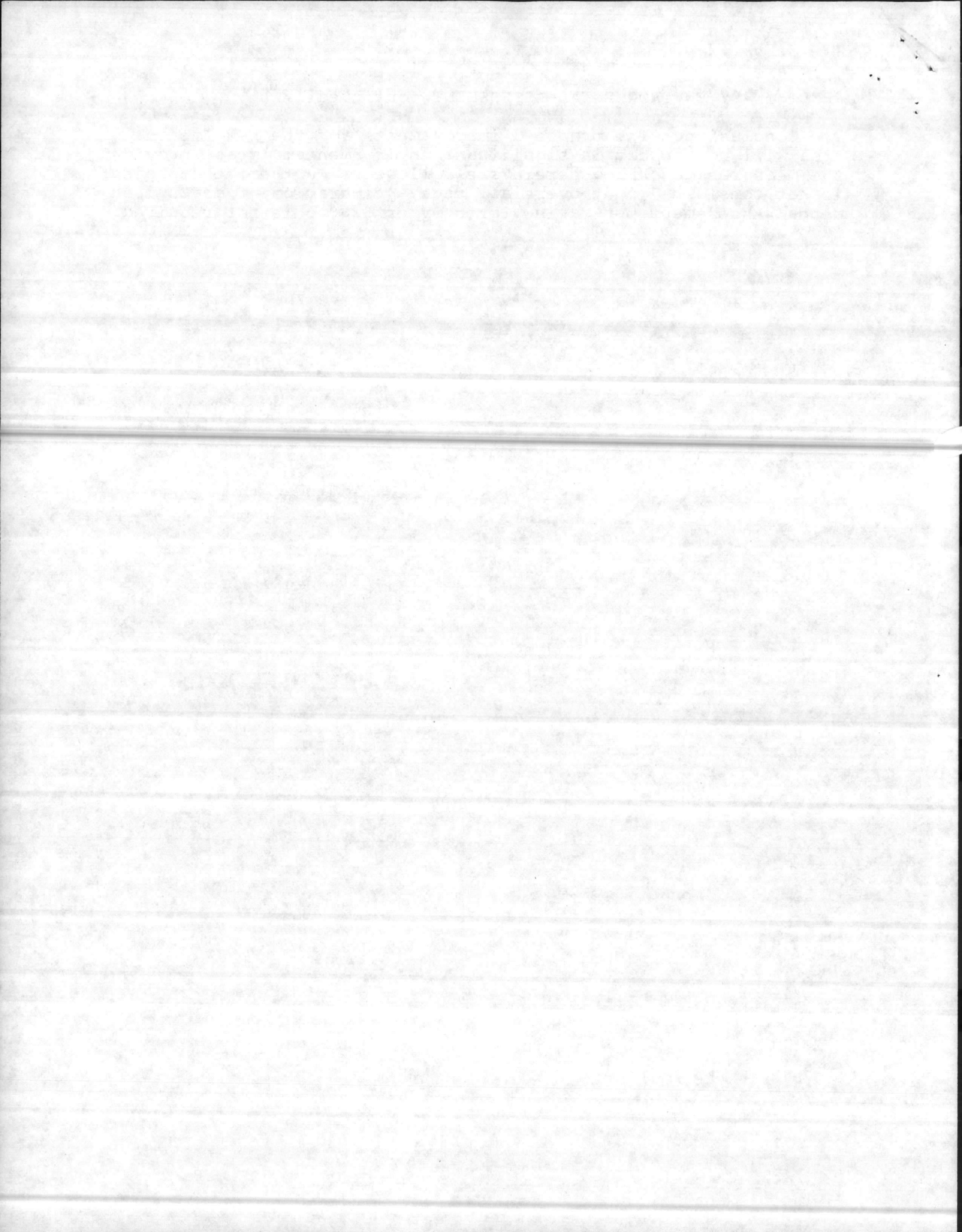
1. Enclosure. Map showing proposed range.
2. Purpose and Need. The purpose of this proposed action is to provide the Marine Corps Base, Camp Lejeune, North Carolina with a range in the Verona Loop Area to teach Marines the skills necessary for combat situations.
3. Project Description. The project consists 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 types 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 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.
  - 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)



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.



NREAD/DDS/jc  
11000  
20 Mar 1984

From: Director  
To: Assistant Chief of Staff, Facilities

Subj: Preliminary Environmental Assessments for the Proposed Clearing within K-2 Impact Area and K-211 40MM Grenade Range

Ref: (a) CG MCB CLNC ltr FAC/REA/nh 6280/1 of 16 Mar 1984  
(b) BO 11000.1A  
(c) NCAC Title 15, Chap 14, Sedimentation Control  
(d) Endangered Species Act of 1973 as Amended  
(e) MCO 11015.4

Encl: (1) Map depicting Clearing for K-211, 303 and 305 Ranges

1. Reference (a) provided the subject PEAs and requested review in accordance with reference (b). The following comments are provided:

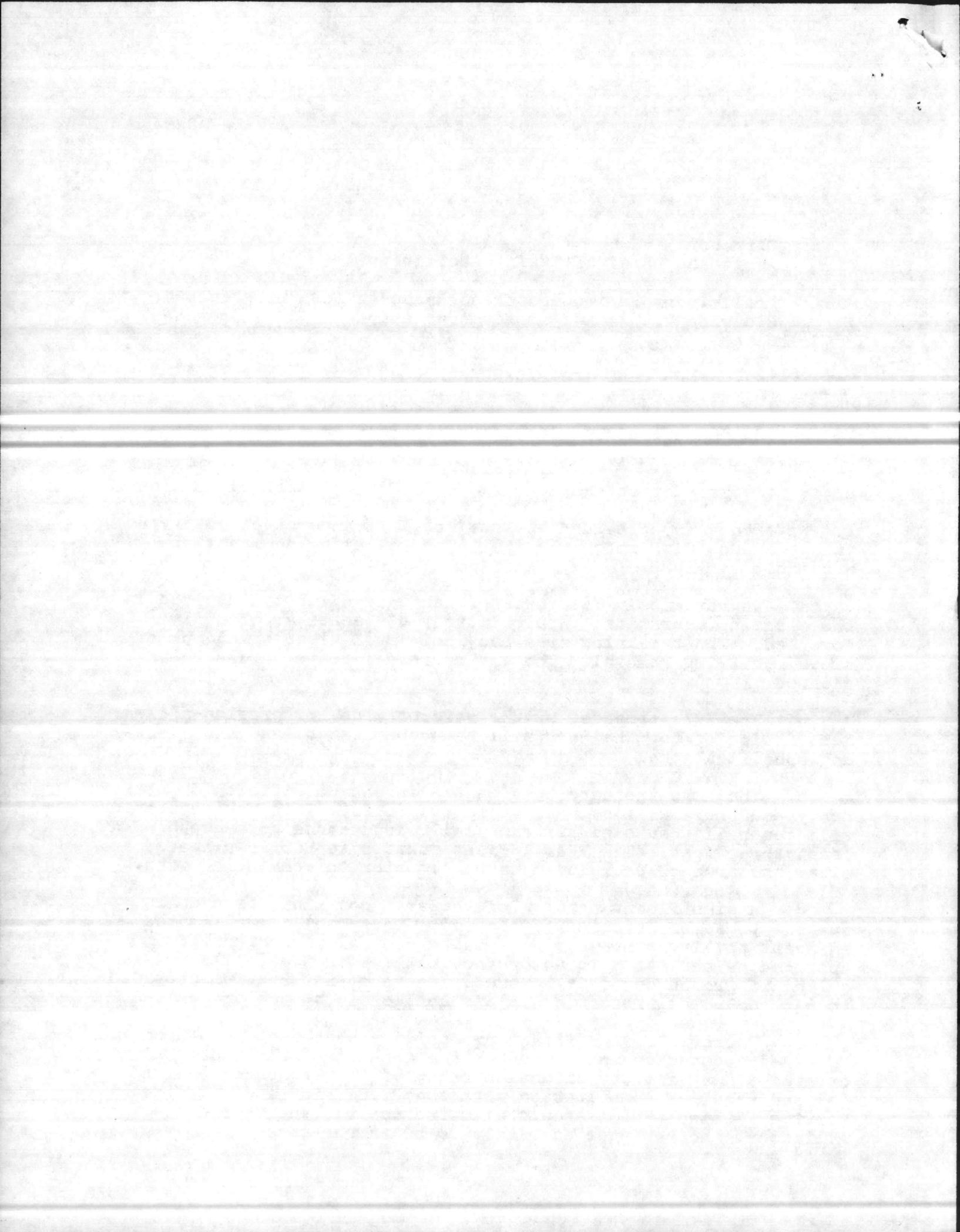
a. Approximately 851 acres of land are directly involved in the clearing operation. Approximately 634 acres are heavily forested. The remaining area has individual trees or clumps of trees requiring removal. The enclosure delineates areas to be cleared.

b. The PEAs provided by the reference do not provide a clear description of how the work will be accomplished, and the clearing specifications.

c. The PEAs indicate that Base Maintenance Division or other heavy equipment will be used to remove trees. This type operation will generally cause significant soil disturbance to a depth of at least three feet. The PEAs indicate that Base EOD is prepared to clear the area of unexploded ordnance prior to commencing work.

d. A significant portion of the area contains steep soils subject to severe erosion if cleared. These soils are located adjacent to live streams. An erosion control plan prepared and approved by the State in accordance with reference (c) is required if ground cover is removed. Based on information provided in reference (a), reference (c) is applicable to the project.

e. There is a significant probability that the endangered Red-Cockaded Woodpecker is located in the area to be cleared. This creates a "may affect" situation relative to references (d) and (e) and requires consultation with the U. S. Fish and Wildlife Service. Consultation should also include the endangered American Alligator, another species likely to be in the area.





Subj: Preliminary Environmental Assessments for the Proposed Clearing within K-2 Impact Area and K-211 40MM Grenade Range

f. Because the clearing work involves working in known impact areas, significant local controversy should be expected associated with employees involved in actual clearing.

g. Logging of merchantable size timber by commercial logger is not feasible due to the danger of unexploded ordnance to loggers' personnel.

h. Because of the potential impact of erosion on streams and shell fish areas, a written determination of consistency with land use programs/plans developed pursuant to the N. C. Coastal Area Management Act and related federal enabling legislation should be filed with appropriate state agencies.

2. It is recommended that the requirements discussed in paragraphs l.d., i.e. and l.h. above be properly addressed prior to commencing actual land clearing.

J. I. WOOTEN

