

ROUTING SLIP AUG 06 1982

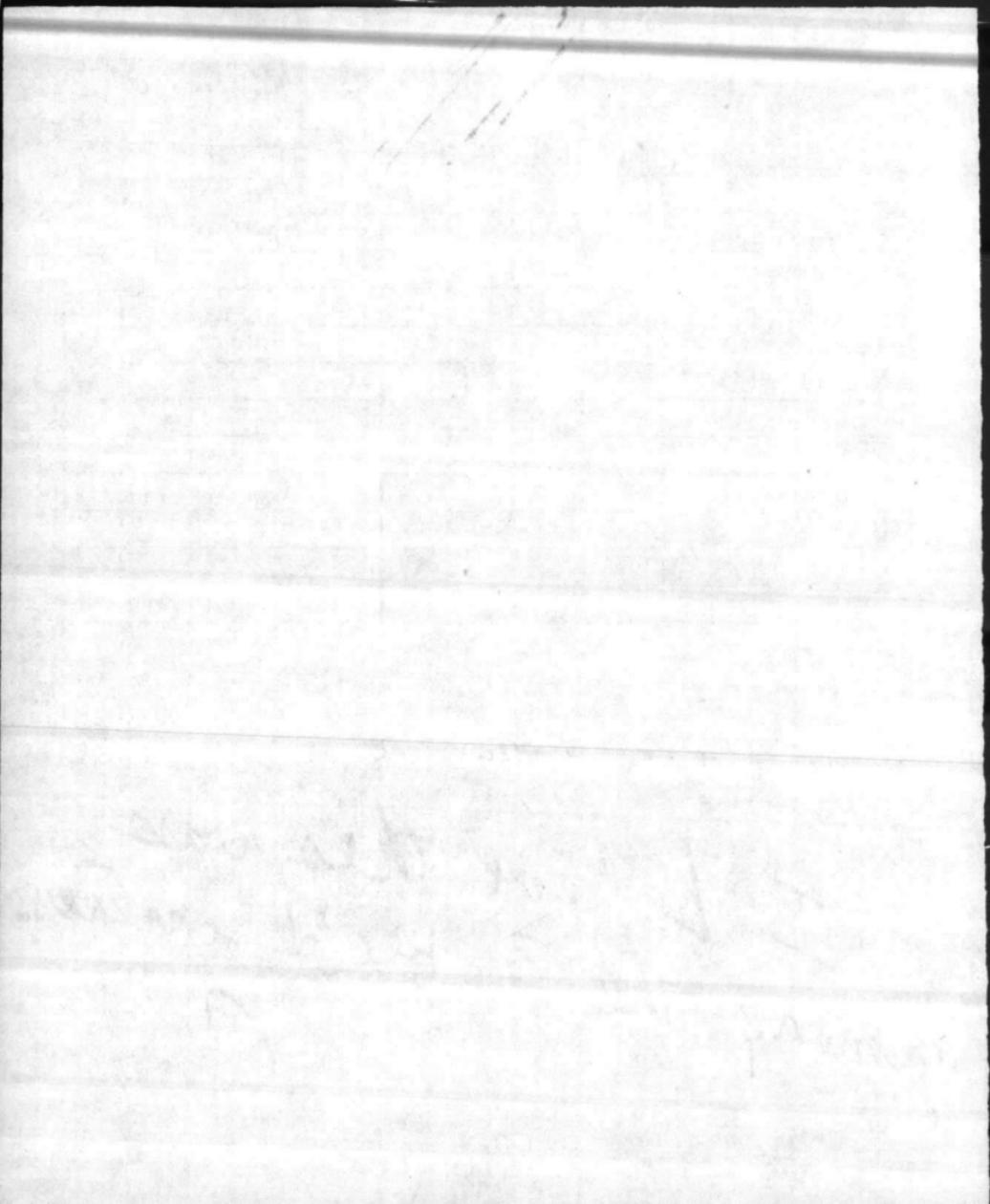
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ENVIOR AFF			
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OPNS			
PROP			
UMACS			
UTIL			
SECRETARY			

COMMENTS:

Due date 10 Aug 82

I believe this was  
among the 3 rec'd earlier.

C



ASSISTANT CHIEF OF STAFF, FACILITIES  
HEADQUARTERS, MARINE CORPS BASE

DATE 6 Aug 92

TO:

[BASE MAINT O]

PUBLIC WORKS O

COMM-ELECT O

DIR, FAMILY HOUSING

DIR, UNACCOMPANIED PERS HSG

BASE FIRE CHIEF

ATTN: \_\_\_\_\_

① Attached is forwarded for ~~info~~ action.

Try to have review completed prior  
to 10 Aug Environmental Review Board.

2. Please initial, or comment, and return all papers to this office.

3. Your file copy

*K.P. Miller*

"LET'S THINK OF A FEW REASONS  
WHY IT CAN BE DONE"

1911

1911

1911

1911

1911

Memo for  
The Record  
per Danny  
11/27/82

10 Aug 82  
not signed

MAIN/JIW/th  
16475

From: Base Maintenance Officer  
To: Assistant Chief of Staff, Facilities

Subj: Environmental Enhancement/Impact Review Board; meeting of

Ref: (a) AC/S FAC memo FAC/JGF/hf 5420/3 of 4 Aug 1982  
(b) AC/S FAC memo of 27 Jul 1982  
(c) BO 11000.1A  
(d) MCO 6280.5  
(e) BO 11015.6

1. As requested by references (a) and (b), the following comments are submitted. The PEAs for projects P-282, P-451, P-133, P-358, TAFDS Field Training Site (Marine Corps Air Station (H), New River) and TWSEAS Minor Construction Project (2d Marine Division) were not forwarded to Base Maintenance Division for formal review/comments which has been standing operating procedure for the past several years.

2. PEAs for projects identified in paragraph 2 i, j, and k of reference (b) have been reviewed by Natural Resources and Environmental Affairs personnel for consistency with references (c) and (d) and the following comments are offered.

a. Combining the G-5/G-5A and G-6 Ranges into a single range for Tank, TOW and LVT firing (2d Marine Division) - No apparent environmental problem with the proposal if units abide by base red cockaded woodpecker guidelines contained in reference (e). Because of possible public controversy surrounding closing of Highway 172, the general public should be routinely made aware of training schedules requiring the closing of Highway 172.

b. Providing ground observation into the G-10 and K-2 impact areas by clearing excess trees in the buffer zone (2d Marine Division) - The attached map indicated red cockaded woodpecker habitat (including cavity trees) is within the proposed clearing zone. Formal consultation would be required.

(1) Large areas recommended for clearing in the K-2 and G-10 are protected wetlands. Clearing and grading should be coordinated with the U. S. Army Corps of Engineers.

(2) Use of chemicals for clearing and maintenance on this scale may have adverse impact and possible public controversy.

(3) Red cockaded woodpeckers, protected wetlands and the use of chemicals to remove vegetation necessitate an environmental assessment which requires Headquarters Marine Corps concurrence under reference (d).



Subj: Environmental Enhancement/Impact Review Board; meeting of

c. Creation of a Tactical Driving Range for Mechanized Units (2d Marine Division)

(1) It is estimated approximately 3,373 combined acres in the HA and HC areas of which approximately 1,800 acres are identified in forestry management as pine or pine hardwood forest. To conduct a timber harvest (thinning) would involve the removal of approximately 4½ million board feet of pine sawtimber and approximately 6,300 cords of pine pulpwood. A clearcut timber harvest would involve the removal of approximately twice as much timber products. Under ideal timber market and logging conditions, removal of the wood products would require several months. The current timber market is poor and the outlook for the next several months is also poor. Area sawmill companies are on a quota system with loggers operating only two or three days per week.

(2) The HA and HC areas are classified as wet due to soil types. If cleared and used as proposed, soil erosion and sedimentation will enter protected wetlands and state owned waters (i.e., Duck Creek, Goose Creek and New River). Engineering type structures to control soil erosion will be required as vegetative cover will not suffice. A coastal zone consistency statement will have to be filed with the state. Duck Creek, Goose Creek and New River waters and adjoining marsh and wetlands are inhabited by the endangered American Alligator which will require consultation ~~with~~ with the U. S. Fish and Wildlife Service.

(3) The base Prefinal Archaeological and Historical Study of Camp Lejeune identified four historic and one archaeological sites in the HC and HA areas which are eligible for listing in the National Register. Three additional sites are identified in the report as significant enough to warrant protection until further study can be accomplished by the base. Reference (d) states, "any activity proposed which would affect historical or cultural sites either now cited on the National Register of Historical Places or deemed eligible for inclusion on the National Register *requires an environmental assessment.*"

R. F. CALTA

*Not Signed  
out*

Division  
a. Location of a tactical driving range for technical units (23 Mar 77)

(1) It is estimated approximately 1,275 combined acres in the HA and MC areas of which approximately 1,000 acres are identified as priority lands more as pine or pine hardwood forest. To conduct a timber harvest (initial) would involve the removal of approximately 1 million board feet of pine saw timber and approximately 6,000 cords of pine pulpwood. A clearcut timber harvest would involve the removal of approximately twice as much timber products. Timber harvest would be completed in 1980. Removal of the wood products would require several months. The current timber market is poor and the outlook for the next several months is also poor. Local sawmill companies are on a quota system with loggers operating only two or three days per week.

(2) The HA and MC areas are classified as wet due to soil types. If planned and used as proposed, soil erosion and sedimentation will enter protected wetlands and state owned waters (i.e., Buck Creek, Goose Creek and Hwy 170). Engineering type structures to control soil erosion will be required as vegetative cover will not suffice. A coastal zone consistency statement will have to be filed with the state. Buck Creek, Goose Creek and Hwy 170 waters and adjacent marsh and wetlands are included in the Anderson National Estuarine Program. Consultation with the U.S. Fish and Wildlife Service.

(3) The Base Realignment and Historical Study of the HA and MC areas identified four historic and archeological sites in the HA and MC areas which are eligible for listing in the National Register. Three additional sites are identified in the reports as significant enough to warrant protection until further study can be accomplished. The base realignment study will address which would affect historic or cultural sites either now listed on the National Register of Historic Places or deemed eligible for inclusion in the National Register.



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

IN REPLY REFER TO  
TRNG/MPS/kak  
5214  
→ 5 August 1982

MEMORANDUM

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

Subj: Tactical Movement Area

Encl: (1) CG Second Marine Division ltr 501/SDG/jbf:5214  
dtd 2 Aug 1982

1. Enclosure (1) requests the creation of a mechanized movement range in training areas HA and HC.
2. The requirement to harvest/thin tree growth in this area enabling tactical movement and formation driving appears to be a present valid requirement. Additionally, the light armored vehicle (LAV) being introduced into the Marine Corps inventory will further expand this tactical driving/training requirement in the future.
3. The Assistant Chief of Staff, Facilities is requested to initiate action necessary to harvest/thin trees in training areas HA and HC.

A handwritten signature in black ink, appearing to read "M. P. Sams".

M. P. SAMS  
By direction

TRNGAMP/RAJ  
5214  
5 August 1982

MEMORANDUM

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

Subject: Tactical Movement Area

Encl: (1) CG Second Marine Division 1st SDC/1st: 5214  
dtg 5 Aug 1982

1. Enclosure (1) requests the creation of a mechanized movement range in training areas IA and HC.
2. The requirement to harvest thin tree growth in this area and to provide tactical movement and formation training areas to be a present valid requirement. Additionally, the light armored vehicle (LAV) being introduced into the Marine Corps inventory will further expand this tactical driving/training requirement in the future.
3. The Assistant Chief of Staff, Facilities is requested to initiate action necessary to harvest thin trees in training areas IA and HC.

M. P. RAMS  
By direction

*[Handwritten signature]*



UNITED STATES MARINE CORPS  
2D MARINE DIVISION, FLEET MARINE FORCE  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO  
501/SDG/jbf  
5214  
2 Aug 1982

From: Commanding General  
To: Commanding General, Marine Corps Base, Camp Lejeune, NC 28542  
(Attn: AC/S, Training)

Subj: Creator of a Tactical Movement Range

Ref: (a) Conversation between Col MOUNT, Mr. SHARP, Mr. WOOTEN  
and Lt GLASS, April 1982  
(b) Interview: Col ASONOVICH and Lt GLASS, April 1982  
(c) BO 11000.1A

Encl: (1) Environmental Impact Assessment

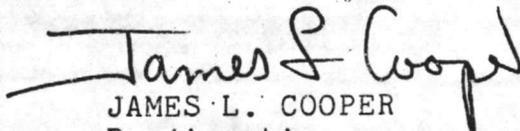
1. Marine Corps' interest in mechanized/maneuver warfare and possible commitment to battlefields in Europe, Africa, or the Middle East require the ability to operate in areas with long distance (1000m to 5000m) fields of observation and fire. Success and survival on these battlefields will depend on a unit's ability to maneuver across open terrain with a minimum of casualties.

2. There are presently no areas at Camp Lejeune with sufficiently large fields of observation for mechanized units to gain adequate experience in the techniques of movement in open terrain.

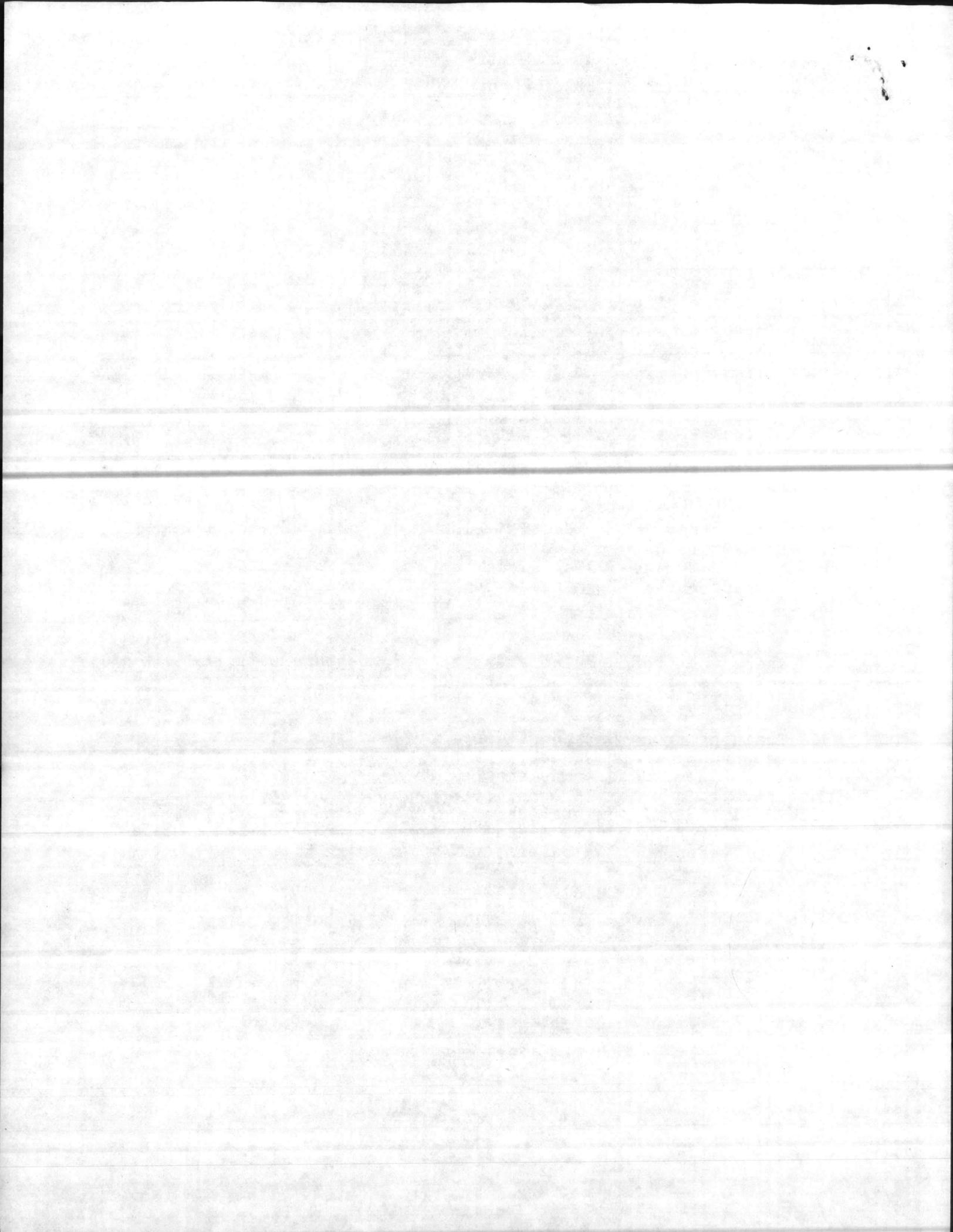
3. Training areas HA and HC can provide a suitable tactical movement range if the trees were harvested or substantially thinned. The excess trees can be removed by civilian lumber companies at a profit to the government. This can be accomplished with minimal environmental damage if soil conservation concepts suggested by Base environmental personnel, are correctly implemented, (Reference (a) refers).

4. The Base Training Facilities Officer has confirmed that the proposed tactical movement range falls within the capabilities of the Base Master Plan, (Reference (b) refers).

5. It is requested that necessary actions to establish a tactical movement range in training areas HA and HC be initiated as soon as possible. As required by reference (c), enclosure (1) is submitted in support of this request.

  
JAMES L. COOPER  
By direction

ENCLOSURE (1)





UNITED STATES MARINE CORPS  
2D MARINE DIVISION, FLEET MARINE FORCE  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

501/AET/jbf  
5214  
7 June 1982

From: Commanding General  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina  
28542

Subj: Tactical Movement Range; submission of Preliminary Environmental  
Impact Assessment for

Ref: (a) 11000.1A

1. It is requested that a Tactical Movement Range be developed in the HA and HC training areas. A Preliminary Environmental Assessment is hereby submitted in accordance with reference (a).

a. Action/Project Description

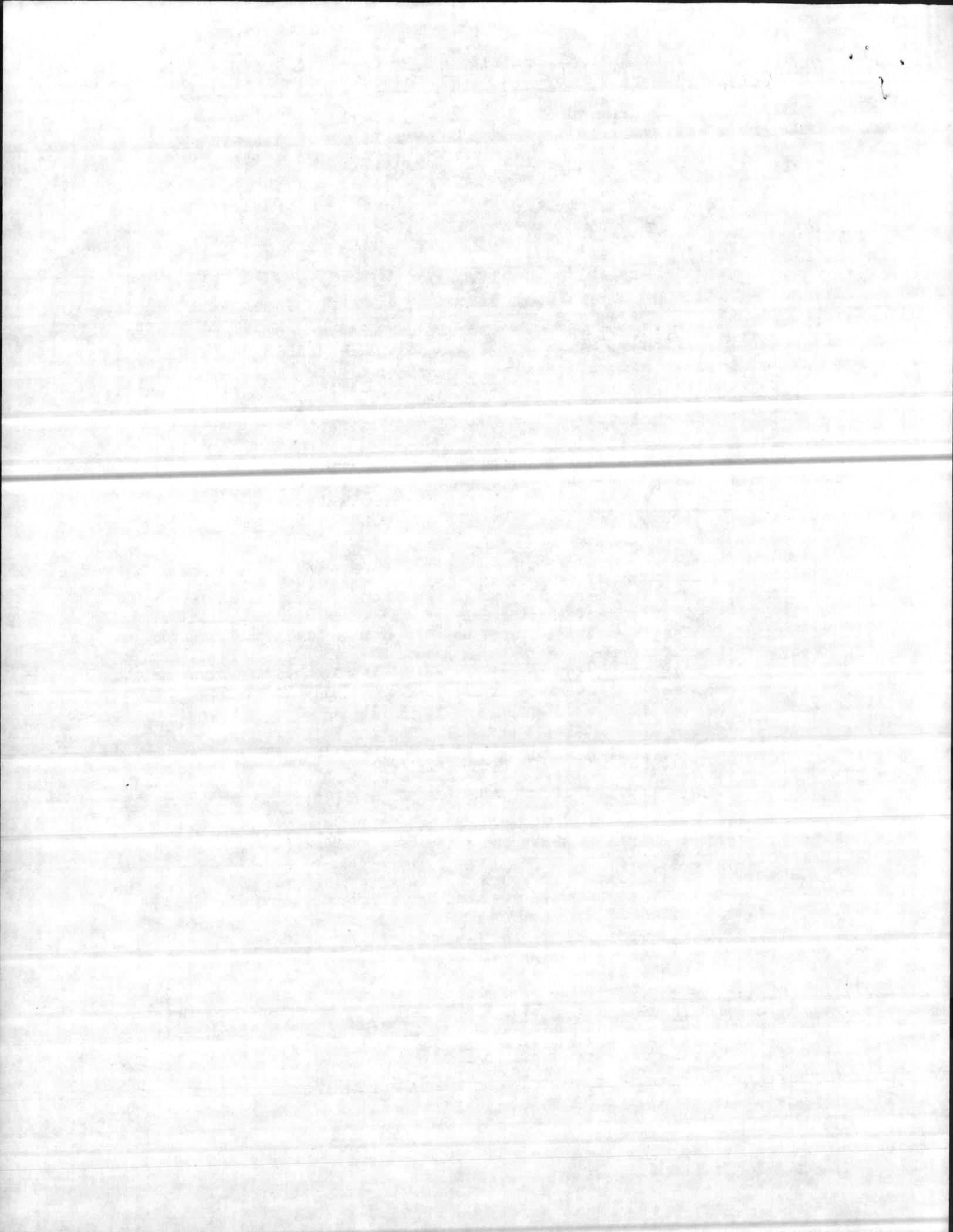
(1) The Marine Corps is increasingly interested in preparing for mechanized warfare in Europe, Africa and the Middle East. On these battlefields the MAGTF may have to maneuver across generally open terrain (fields of observation and fire generally exceeding 1000m) against threat forces employing direct fire weapons effective out to 5000m. Armored vehicle and mechanized infantry unit leaders must be able to move their units across open terrain without unacceptable casualties. The objective of establishing a tactical driving range is to provide an area in which company level unit leaders can develop the necessary skills to successfully maneuver over open terrain.

(2) If this proposed driving range is not established, Camp Lejeune can not offer essential open terrain training for company level armored vehicle and mechanized infantry units. This could result in vehicle commanders and unit leaders not effectively developing their skills in the full range of terrain driving such as movement to contact and assault techniques which may be essential for future battlefields. Mechanized vehicles are presently restricted to trails and landing zones. Generally, training in immediate reaction drills, long range fire direction and mechanized maneuvering suffer in the highly restrictive wooded training areas at Camp Lejeune.

(3) No permanent facilities are required; however, hardened creek crossing points and sediment traps may be desirable.

(4) Long range fields of observation and fire (greater than 1000m) can be created and maintained throughout training areas HA and HC to offer the necessary training environment. The vegetation height must be kept to no more than knee high after the current large trees are harvested.

(5) These areas would be used as a tactical driving range for company level armored vehicle units and tactical movement for dismounted infantry units.



b. Consideration of Alternatives

(1) Alternatives

(a) Keep existing areas as they are and increase mechanized training time at 29 Palms and Fort Pickett.

1. 29 Palms: A large Marine Corps desert training area in California.

2. Ft. Pickett: An Army training area with rolling hills and intermittent woods in Southern Virginia.

(b) Develop other training areas, such as HB, HF, HE, IE and IA which are flat, heavily wooded areas at Camp Lejeune with satisfactory trafficability.

(2) Training areas HA and HC are more suitable than 29 Palms or Ft. Pickett because these training areas are on board Camp Lejeune and are accessible to many more units on a regular basis. Also, company level units using HA and HC can concentrate solely on their own training objectives instead of a BLT's training schedule. Training areas HA and HC are preferable to training areas HB, HF, HE, IE and IA because the other training areas have more featureless terrain which limits vital training in tactical driving. Also, training areas HB, HE, HF, IE, IA are endangered species habitat areas while training areas HA and HC are not. The terrain in training areas HA and HC offer the most valuable opportunity for tactical terrain driving.

c. Compliance with federal, state, and local environmental regulations and guidelines.

(1) Endangered Species Act. There are no endangered species in training areas HA and HC.

(2) Clean Water Act. The only possibility of water pollution stems from soil erosion. Base ecology personnel have suggested several methods to prevent soil erosion. These include:

(a) Growing cover vegetation as the trees are harvested.

(b) Leaving a 100m wide barrier of trees standing around the creek estuaries.

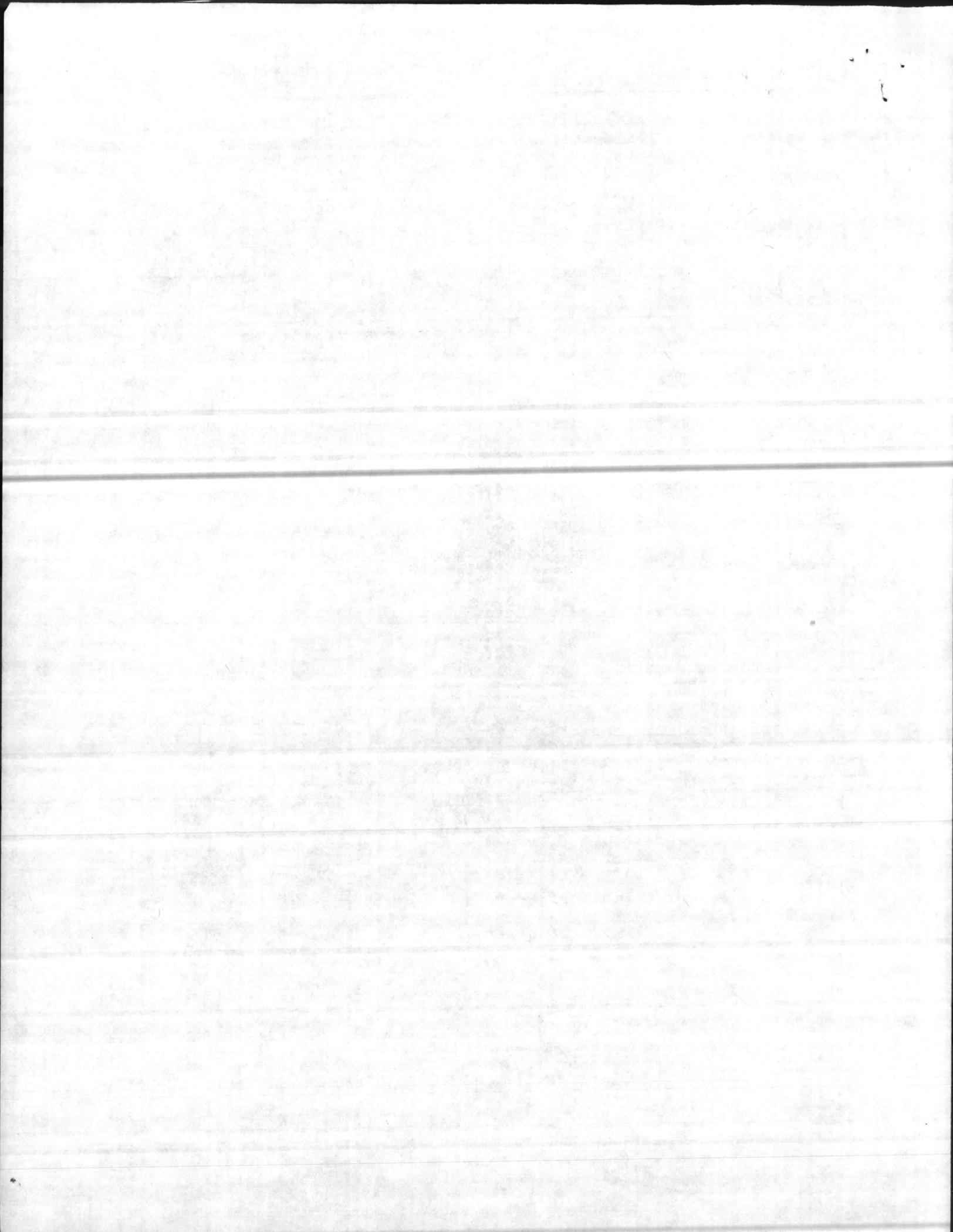
(c) Constructing hardened creek crossing points and sediment traps.

(d) Limiting the number of training days that tracked vehicles may use training areas HA and HC to 15/month.

(3) Clean Air Act. Not applicable. No significant discharge of air pollutants is expected.

(4) Coastal Zone Management. There is no direct impact on beaches or salt marches. Implementation of the erosion prevention measures suggested by Base ecology personnel will prevent indirect damage which might be caused by sedimentation.

(5) Archaeological and Historic Preservation Act. There are no known sites of historical importance in training areas HA and HC.



(6) North Carolina Erosion & Sedimentation Regulations. Erosion and sedimentation can be maintained at normal levels by the use of methods mentioned in C(2) above.

(7) Hazardous Materials and Waste Disposal. Not applicable.

(8) Protection of Wetlands, Executive Order 11990. The provision to leave a 100m wide barrier of trees standing around each creek area should provide adequate protection of wetlands.

(9) Sanitary Waste and Refuse Disposal. The using unit will be required to police up and remove its own trash. Minimum amounts are expected.

(10) Other Regulations Applicable. The proposed action does not involve any environmental regulations other than those discussed above.

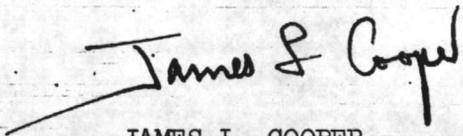
(11) Permit Requirements. None

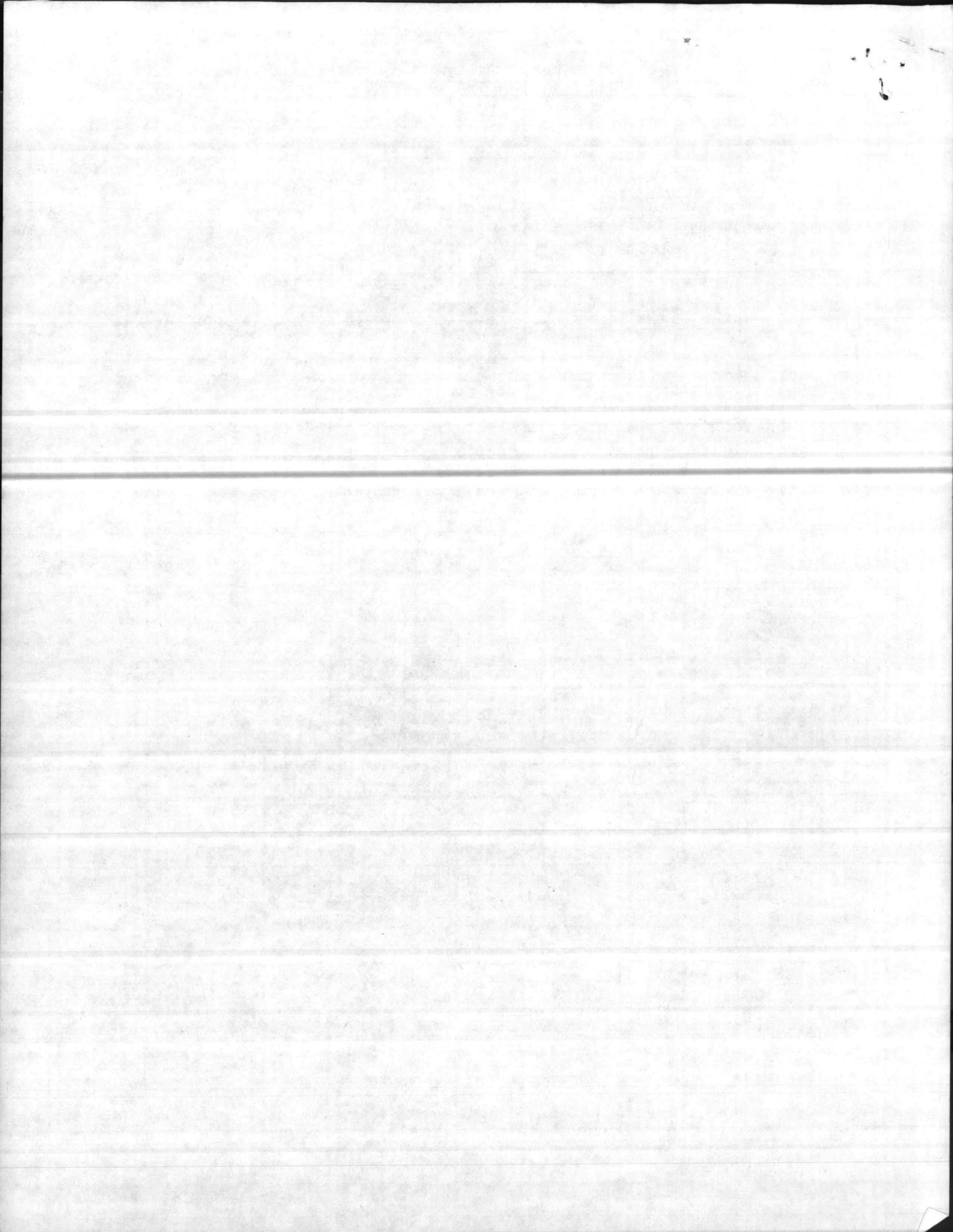
(12) Site Map. See training areas HA and HC on Camp Lejeune special map.

d. How does the proposed action impact on other Base functions and missions.

(1) No impact. Training areas HA and HC contain no restricted areas and are not covered by any range fan.

(2) Consistency with Base Master Plan. Initial discussion with the Commanding Officer of Base Maintenance indicates that the proposed modifications are within the constraints of the Base Master Plan.

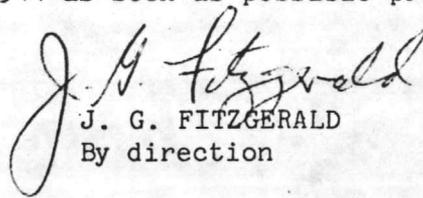
  
JAMES L. COOPER  
By direction



FAC/JGF/hf  
5420/3  
4 August 1982

Subj: Environmental Enhancement/Impact Review Board; meeting of

4. Members and advisors knowing of other possible agenda items should notify the Chairman at extension 3034/2544 as soon as possible prior to the meeting.

  
J. G. FITZGERALD  
By direction

DISTRIBUTION:

(Members)

Rep, 2d MarDiv, FMF

Rep, 2d FSSG

Plans & Programs O, MCAS(H), NR

BMaintO

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BTrngFacO

(Advisors)

Dir, NREA Br, BMO

→ Supervisory Ecologist

BWildlifeMgr

BForester

BSafetyMgr

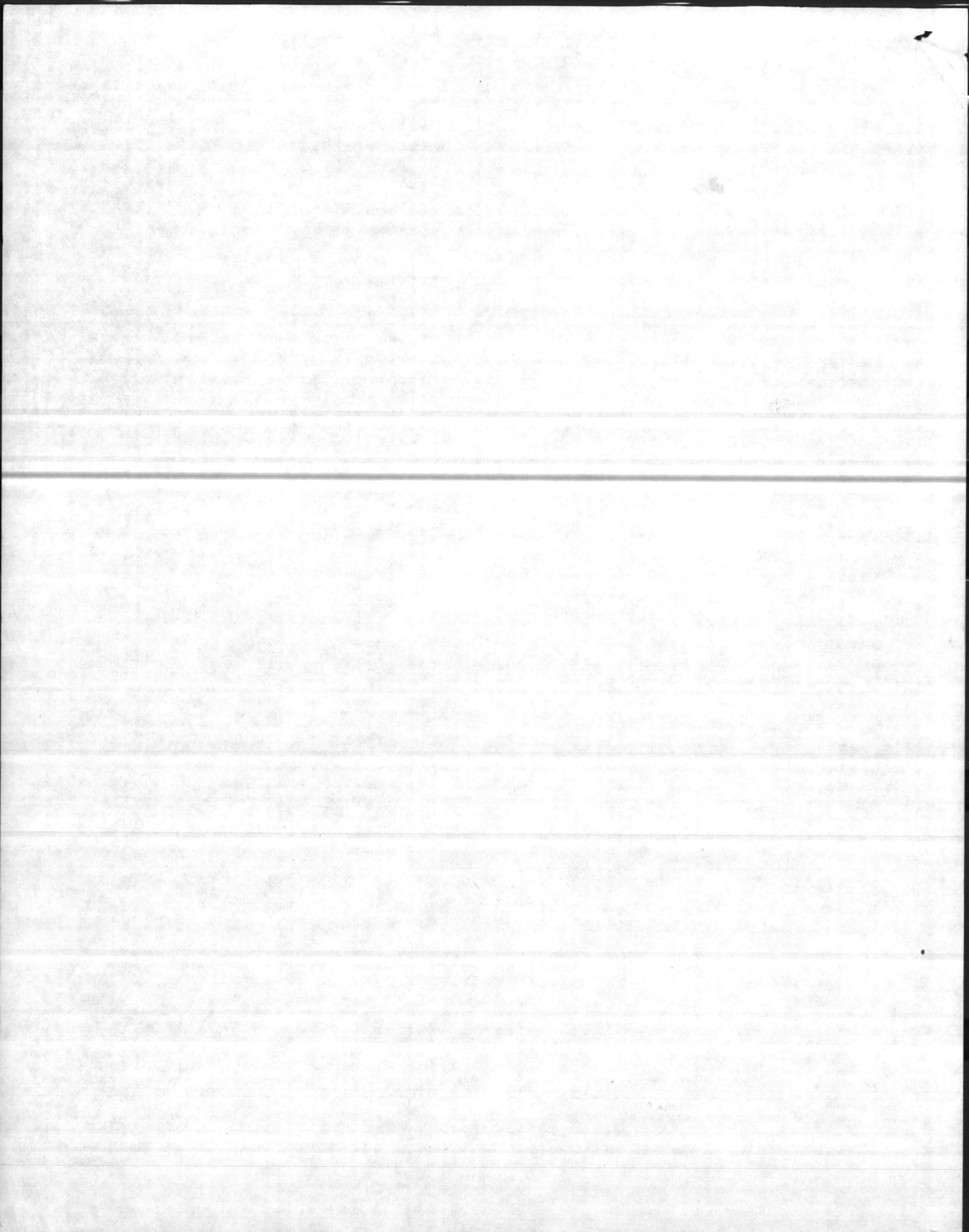
BGameProtector

Ch, VetMedSvc, NRM

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

IN REPLY REFER TO

FAC/JGF/hf  
5420/3  
4 August 1982

From: Chairman, Environmental Enhancement/Impact Review Board  
To: Distribution  
Subj: Environmental Enhancement/Impact Review Board; meeting of  
Ref: (a) BO 11015.2G

1. In accordance with the provisions of the reference, a meeting of the subject Board is scheduled in the Conference Room of Building 1 at 1430 on 10 Aug 1982. Advisors to the Board are invited but are not required to attend the meeting.

2. The Board will review the below-listed Preliminary Environmental Assessments (PEA) to determine whether the potential for environmental damage or controversy exists:

- a. P-282, Dining Facility Addition (MCAS(H), NR)
- b. P-451, Maintenance Hangar Modernization (MCAS(H), NR)
- c. P-133, Gymnasium (MCAS(H), NR)
- d. P-327, RATTTC Facility (MCAS(H), NR)
- e. P-358, Hazardous/Flammable Storage Facility (MCAS(H), NR)
- ? - f. ~~TAFDS~~ Field Training Site (MCAS(H), NR)
- g. TWSEAS Minor Construction Project (2d MarDiv)
- h. Proposed Stream Crossing Training Facility at 2d RECON (2d MarDiv)
- i. Combining the G-5/G-5A and G-6 Ranges into a single range for Tank, TOW and LVT firing (2d MarDiv)
- j. Providing ground observation into the G-10 and K-2 impact areas by clearing excess trees in the buffer zone (2d MarDiv)
- k. Creation of a Tactical Driving Range for Mechanized Units (2d MarDiv)

3. The above listed PEAs are available for preliminary review in Room 140, Building 1. Members are encouraged to review these assessments prior to the Board meeting.

