

DEPARTMENT OF THE NAVY

Memorandum

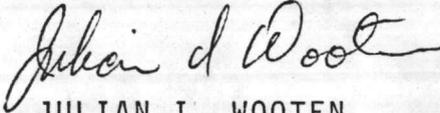
DATE: 20 Nov 1979

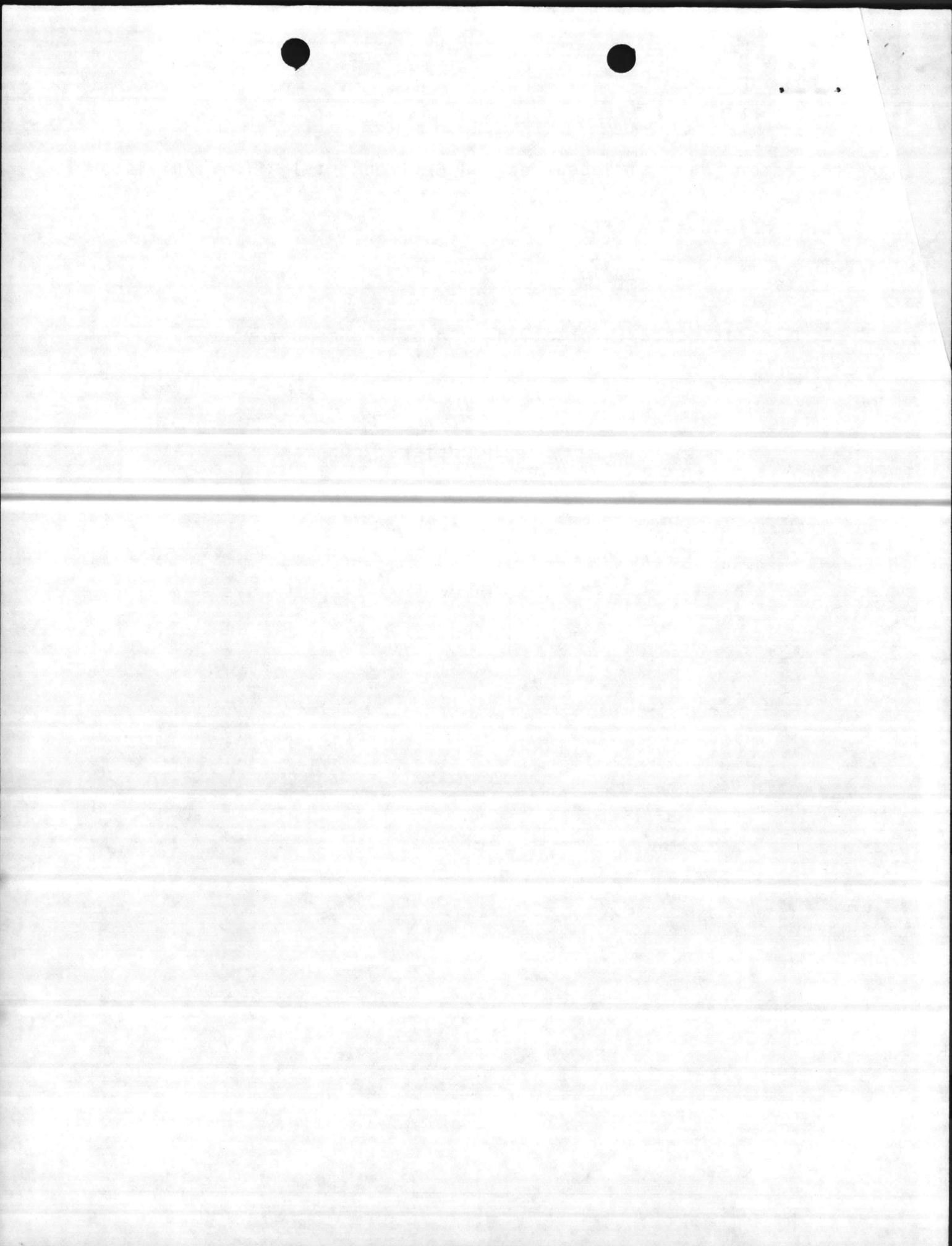
FROM Director, Natural Resources and Environmental Affairs Division

TO Base Maintenance Officer

SUBJ Topics of Interest

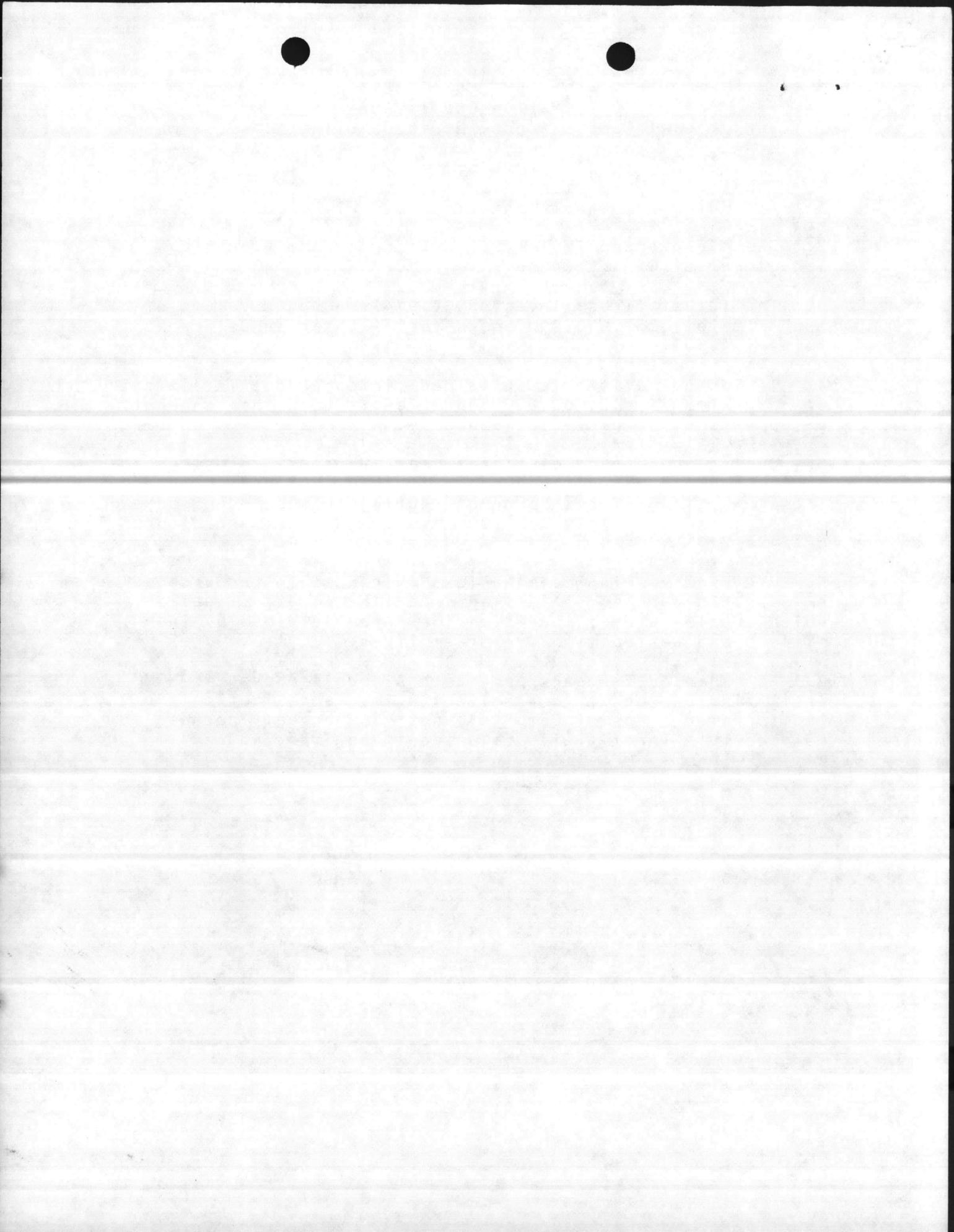
1. The attached information is provided as per your request.


JULIAN I. WOOTEN



FOREST MANAGEMENT
Marine Corps Base
Camp Lejeune, North Carolina

1. The Forest Management Plan is a part of the overall Natural Resources Management Plan, MCO P11000.8A.
2. There are approximately 62,000 acres under forest management at Camp Lejeune.
3. The latest forest inventory (1974) showed a volume of approximately 287,000,000 board feet with an annual growth rate of 4.95%.
4. The annual allowable sustained yield harvest is estimated at approximately 12,000,000 board feet. Less than one-half of this is being harvested annually.
5. During the period of fiscal year 1975-1979 forest management expenditures averaged approximately \$222,847; proceeds from the sale of forest products during this same period averaged approximately \$623,066 averaging a net annual profit of \$400,219.
6. Under-harvesting means a loss in renewable resource dollars; a loss in growth potential; an unhealthy forest situation which creates a real condition for potential loss by insect attacks and destruction by forest fires.
7. An expanded forestry program has been proposed to HQMC initiating a program to resolve the imbalance that exists in the forested areas of Camp Lejeune. The annual increase in net receipts (profit) is projected to be \$535,200.



WILDLIFE PROGRAM
Marine Corps Base
Camp Lejeune, North Carolina

I. Endangered Species

a. Red-cockaded Woodpecker

(1) 1710.56 acres of woodpecker habitat

(2) 27 colonies basewide

(3) Average number birds per colony - 4

(4) Biological Opinion for woodpecker was issued on 12 June 1979. The following restrictions and prohibitions apply only to the marked boundaries of red-cockaded woodpecker buffer zones (200-foot radius around each cavity tree) and support stands:

(a) Restrict all vehicle use to designated roads and trails (any new trails shall be designated by the Base Natural Resources Division in consultation with the Base Training Department and shall be consistent with the conservation of the red-cockaded woodpecker) with the following exceptions: command tracked vehicles may utilize a single, predesignated, ingress/egress route to each preselected command post site in red-cockaded woodpecker support stands, and wheeled vehicles may be used in the immediate vicinity of the bivouac and preselected command sites in the red-cockaded woodpecker support stands. All vehicles operating within the support stands are prohibited from causing destruction or injury to tree roots or bark. No vehicles shall be allowed at any time within the buffer zones except for bona fide emergencies (fire or injured personnel) or on trails already designated as of April 26, 1979.

(b) Prohibit indiscriminate cutting or destruction of woody vegetation. Only vegetation that has been specifically marked for cutting within a support stand may be cut for camouflage material, wood fires, barricades, etc. Such trees will be marked in advance only by the Base Natural Resources personnel and in a manner consistent with the conservation of the woodpecker. Should additional woody material be needed, it will be obtained outside the boundaries of the support stands of the Mechanized Training Area and brought into these areas for use.

(c) Prohibit any excavating or digging that would result in the destruction of woody vegetation, including damage to root systems. Troops should be encouraged to utilize existing fox holes, trenches, etc.



(d) Prohibit the establishment of command posts and bivouacs in any buffer zones.

(e) Prohibit the firing of artillery within 200 meters of a red-cockaded woodpecker cavity tree.

(f) Increase the prescribed burning program in the Mechanized Training Area to reduce the potential for wildfires.

(g) Initiate a program to at least annually survey the Mechanized Training Area and remove wires that are girdling trees.

(h) Utilize other areas on the Base outside the Mechanized Training Area for more of the routine training by field units not requiring the specific features (e.g., landing zones, Combat Town) and tracked vehicles in the Mechanized Training Area.

(i) The Mechanized Training Area will be inspected at periodic intervals by the US Fish and Wildlife Service. Recommendations will then be made as to the effectiveness of the Base guidelines and regulations.

b. Atlantic Loggerhead Sea Turtle

(1) The biological opinion for the Atlantic Loggerhead Sea Turtle was issued on 10 April 1979. Based on discussion with base personnel and an inspection of Onslow Beach and Browns Island a non-jeopardy opinion was issued. However, the following recommendations to enhance base conservation efforts for the species were offered.

(a) Schedule training exercises during the period May through October outside the peak full moon period of each month. This peak nesting period each month is centered around the peak of the full moon, plus and minus three days, for a total of seven days per month.

(b) Confine training exercises, using the minimum amount of the beach necessary to complete training objectives. This area has been identified through consultation as an area approximately 1 1/2 - 2 miles long running from Risely Pier to about the Onslow South Tower.

(c) Egress routes from the beach to the road behind the dunes should be kept to a minimum. Four major and eight minor passes through the dunes were identified.



(d) All vehicular travel on the beaches should be restricted to the tidal zone except within the identified operating exercise area, providing all turtle nests have been removed from the operating area prior to any landings.

(e) Tank traps on the beaches should be prohibited.

(f) During the period May through October, night landings for training purposes should be eliminated or reduced to a minimum level.

(g) Night lighting during training exercises (May through October) should be at a minimum level or eliminated.

(h) Other nighttime use of the beaches (recreation, etc.) from May through October should be restricted to those uses not requiring artificial lighting or fires.

(i) Other activities with potential impacts not addressed in this opinion should be coordinated with the Base Natural Resources personnel and referred to the Fish and Wildlife Service for consultation if adverse or beneficial impacts are perceived as being possible.

(j) Close monitoring of nesting activities should be continued to detect any long-term trends. The Fish and Wildlife Service would appreciate receiving this data.

c. The Brown Pelican and American Alligator are also found at Camp Lejeune. No conflict involving these two species is known to exist.



ENVIRONMENTAL PROGRAM (POLLUTION ABATEMENT)
Marine Corps Base
Camp Lejeune, North Carolina

I. Federal Water Pollution Control Act

A. Sewage Treatment

- (a) Seven treatment plants
- (b) (NPDES Permits) Secondary & Tertiary Treatment
- (c) Seven million gallons per day
- (d) Effluent Quality
- (e) Operator Certification
- (f) Auxilliary Power
- (g) Quality Control Laboratory
- (h) MILCON Project P-996 is to correct miscellaneous discharges (oil & grease, steam plant blow-down, etc.) as identified by NPDES Permit NC 0003239.

B. Oil Pollution Abatement

- (a) SPCC Plan
- (b) Waste Oil Collection
- (c) \$270,000 in storage at present time
- (d) Oil separators
- (e) Fuel spills
- (f) Education
- (g) EPA considers the oil/hazardous waste practices of the line forces to be unsatisfactory. The 1800 area Amph Maint Areas were mentioned as problem areas during EPA/LantDiv/Base meeting on Oct 16 & 17, 1979

C. Sedimentation Pollution Abatement

- (a) Soil Management Plan
- (b) Erosion Control
- (c) Tracked Vehicles
- (d) ORRV's
- (e) Construction



(f) The amphibious training at Camp Lejeune causes significant soil erosion and sedimentation throughout the Base. Examples: 1800 Area, Courthouse Bay Area and training trails basewide.

(g) The Army Corps of Engineers has cited the base for violations of Section 404 of Federal Water Pollution Control Act. The Navy has been cited for violations at the New Naval Regional Medical Center construction site.

II. Clean Air Act

A. Air Pollution Abatement

- (a) Area characteristics
- (b) No open burning
- (c) Large Central Heating Plants
- (d) Low sulfur fuels
- (e) Electrostatic precipitators
- (f) Air pollution emergencies

(g) When the electrostatic precipitators are operational, the single air emission problem while burning coal will have been corrected.

