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6 DEC 1982

From: Commanding General
To: Commandant of the Marine Corps (Code LFF-2)
Subj: Summary of Environmental/Natural Resources Management Report Symbol
(MC-11015-06)
Ref: (a) MCO P11000.9A
(b) CG MCB ltr MAIN/JIW/th 11010 of 15 Sep 1982
Encl: (1) Camp Lejeune Environmental/Natural Resources Management Summary
for FY-1982

1. The enclosure is submitted in accordance with reference (a). The Forestry Section was submitted by reference (b).
2. If additional information is desired, please contact Mr. Julian Hooten, Natural Resources and Environmental Affairs Division, (AUTOVON) 424-5003.

J. T. MARSHALL
By direction

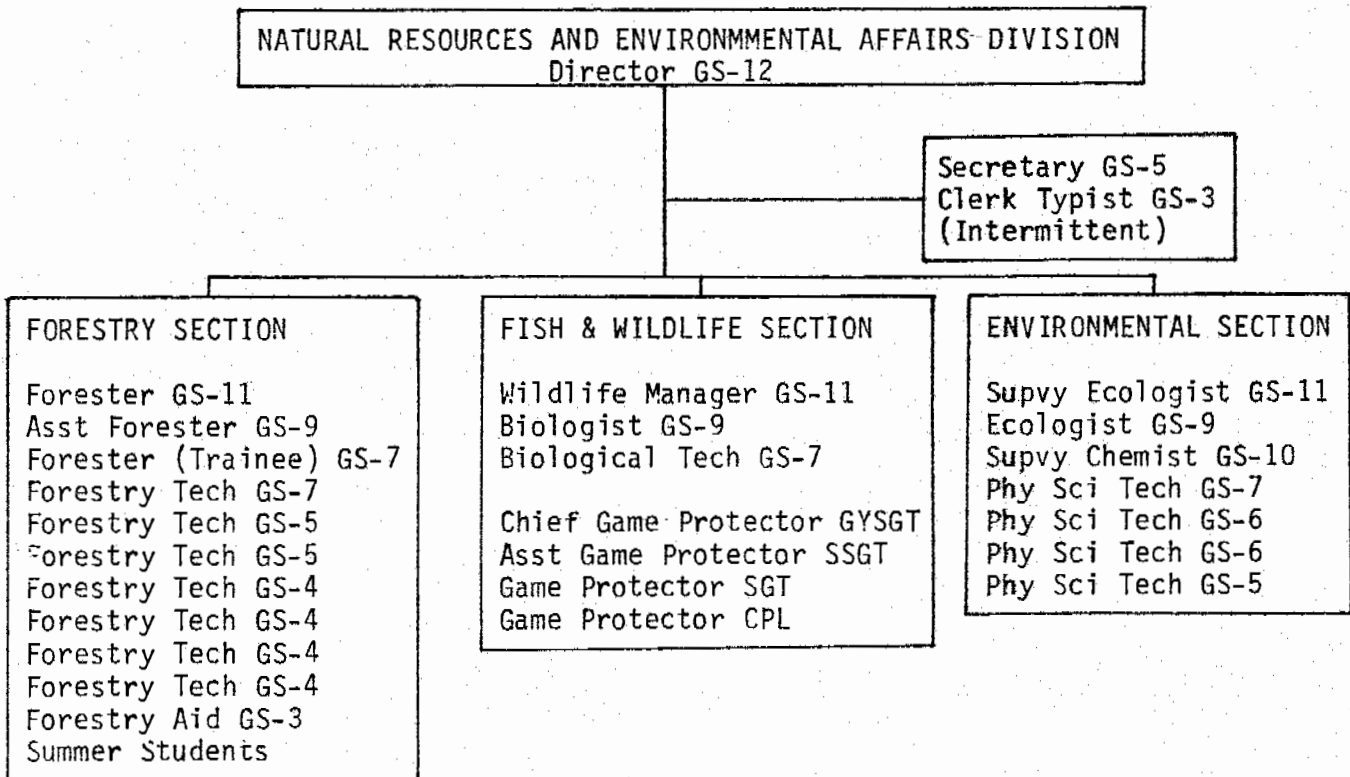
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CAMP LEJEUNE ENVIRONMENTAL/NATURAL RESOURCES MANAGEMENT SUMMARY FOR FY-1982

I. General Management

A. Program Administration - The Assistant Chief of Staff, Facilities has overall base Natural Resources and Environmental Program management responsibilities. The following personnel carry out Forestry, Fish and Wildlife and Environmental program requirements.



B. Education and Public Relations

1. Natural Resources and Environmental Affairs Division personnel have attended the following training sessions:

- a. Society of American Foresters Conference 1 each
- b. Southeastern Fish and Wildlife Conference 1 each
- c. Bacteriological Method in Analysis of Drinking Water (North Carolina Division of Health Services) 1 each
- d. Analytical Quality Course, EPA 1 each
- e. Hazardous Waste Management Under RCRA Workshop North Carolina State University, Industrial Extension Service, School of Engineering 1 each
- f. North Carolina Service Operator School 2 each

2. Natural Resources and Environmental Affairs Division personnel have conducted tours related to Base Natural Resources Programs as follows:

- a. University of New Hampshire Forestry Students
- b. Paul Smith College of New York Forestry Students
- c. North Carolina State University Wildlife Students
- d. East Carolina University at Camp Lejeune Biology Students

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3. Natural Resources and Environmental Affairs Division personnel have presented several slide/lecture programs to local civic organizations, schools, etc. Several articles related to the Base Natural Resources and Environmental Program have appeared in the base and local newspaper.

C. Special Incidents

1. Runner-up for Secretary of Defense Conservation Award 1981

2. A news release was made informing the general public of a DDT contamination of the Base Sitter Service, Building 712.

3. Base entered into formal consultation with National Marine Fisheries on sea turtles and whales.

4. During FY-1982, the natural resources and environmental programs were reorganized to more nearly conform to guidance provided in MCO P11000.8A. Effective 1 October 1982, management responsibilities previously carried out by the Base Maintenance Officer were elevated to the Assistant Chief of Staff, Facilities. The Natural Resources and Environmental Affairs Branch of Base Maintenance Division began reporting directly to Assistant Chief of Staff, Facilities. Also, the organization was renamed to Natural Resources and Environmental Affairs Division. A GS-12, Environmental Engineer billet was established to serve as environmental planner and advisor to Assistant Chief of Staff, Facilities.

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II. Environmental Management

A. Air Quality - Permit for coal-fired central heating plant was renewed by North Carolina Environmental Management Commission.

B. Water Use Management

1. All seven sewage treatment plants operated in compliance with standards established in Environmental Protection Agency National Pollutant Discharge Elimination System (NPDES) permit.

2. Trihalomethane analysis of all eight potable water treatment plants has been initiated in accordance with North Carolina regulations implementing the Safe Drinking Water Act. Analysis is being performed by a certified North Carolina laboratory.

3. A major pollution abatement project (P-996, Industrial Waste Collection and Treatment Facilities) was completed.

C. Noise Control - No report.

D. Hazardous Material Management

1. Construction of a hazardous waste storage facility was completed. The facility will be utilized for storage of hazardous materials and waste awaiting disposal.

2. Inspection of polychlorinated biphenyls and polychlorinated biphenyl contaminated transformers was continued.

3. A GS-9 Ecologist billet was established and filled for the purpose of implementing an oil pollution abatement and hazardous material/waste management program.

4. Sixty-six used transformers were analyzed for polychlorinated biphenyl content prior to turn-in to Defense Property Disposal Office for disposal.

5. The backlog of non-serviceable polychlorinated biphenyls and polychlorinated biphenyl contaminated transformers and switches were disposed of by the local Defense Property Disposal Officer.

6. A basewide survey of past hazardous material disposal sites was conducted by a private A&E firm under the supervision of Navy Energy and Environmental Support Activity, Port Hueneme, California.

7. A Base Order (BO 6240.5) was published which established responsibilities and procedures for hazardous material/waste disposal and compliance with related requirements of the Resource Conservation and Recovery Act.

E. Resource Recovery and Recycling

1. Approximately 150,000 gallons of waste oil was collected and disposal by Defense Property Disposal Office requested. No sales occurred during the reporting period. Proceeds are programmed for equipment to maintain oil pollution abatement equipment.

2. The Onslow County Sheltered Workshop continued to operate. Market

conditions had significant impact resulting in lower sales due to decreased demand and prices.

F. Solid Waste Disposal

1. An operating permit for the Sanitary Landfill was issued by the North Carolina Division of Health Services.

2. The sanitation and landfill operation is under review for contracting out.

G. Environmental Documentation. A GS-12, Environmental Engineer billet was established. The incumbent will coordinate long range planning and environmental impact assessment. The Environmental Impact Review Board continued to function well. The following actions were assessed during FY-1981:

1. Preliminary Environmental Assessment (PEA) - Project P-802 Convert Building H-1, Naval Regional Medical Center, to 2d Marine Division Headquarters (2d MARDIV)
2. PEA - Project P-628, Unaccompanied Enlisted Personnel Housing (MCB)
3. PEA - Project P-808, OF-35 Mechanics School (1st Increment) (MCB)
4. PEA - Project P-563, Combat Vehicle Maintenance Shop (2d FSSG)
5. PEA - Project P-276, Combat Vehicle Maintenance Shop (2d FSSG)
6. PEA - Project P-065, Gymnasium (French Creek Area) (2d FSSG)
7. PEA - Project P-786, Cold Storage Plant (MCB)
8. PEA - Project P-790, Sewage System Improvements (MCB)
9. PEA - Washdown Facilities, Buildings A-2 and A-3, Courthouse Bay (2d MARDIV)
10. PEA - LP Storage/Dispensing Facility vicinity HP-804 (MCB)
11. PEA - Relocate Training Bridge Site at MCES, Courthouse Bay (Associated with Project P-613) (MCB)
12. PEA - Duck Creek Landing Zone (2d FSSG)
13. PEA - P-635, Unaccompanied Enlisted Personnel Housing (MCB)
14. PEA - P-124, Unaccompanied Officer Personnel Housing (MCB)
15. PEA - LE319MS, Risely Pier Repair Project (MCB)
16. PEA - Industrial Area Exchange (MC Exchange)
17. PEA - Tarawa Terrace Seven Day Store (MC Exchange)
18. PEA - Car Wash with review by Traffic Engineer (MC Exchange)
19. PEA - Temporary Recirculation Point (8th EngrBn, 2d FSSG)
20. PEA - Paradise Point Golf Course Pond Construction (2d FSSG)

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21. PEA - Extension of Existing Powerline to OP-2 (2d FSSG)
22. PEA - Assault Air Landing Zone (MCB)
23. PEA - Bulk Fuel Field Skill Course (2d FSSG)
24. PEA - P-054, Combat Vehicle Maintenance Shop (2d FSSG)
25. PEA - P-624, Unaccompanied Enlisted Personnel Housing (2dMARDIV)
26. PEA - P-505, Electronics/Communications Maintenance Shop (2d FSSG)
27. PEA - P-563, Electronics/Communications Maintenance Shop (2d FSSG)
28. PEA - P-527, Electronics/Communications Maintenance Shop (2dMARDIV)
29. PEA - P-031, Battalion Headquarters for 2d FSSG
30. PEA - P-257, P-803, P-805, Combat/Automotive/Track Field Maintenance Shop (2d FSSG)
31. PEA - P-525, Combat Vehicle Maintenance Shop (2dMARDIV)
32. PEA - P-643, Electronics/Communications Maintenance Shop (2dMARDIV)
33. PEA - P-809, OF-35 Mechanics School, MCSSS (MCB)
34. PEA - P-260, Chapel, French Creek Area (MCB)
35. PEA - P-775, Recreational Lodge/Motel, Onslow Beach Area (MCB)
36. PEA - P-823, Handball/Racquetball Courts, Camp Johnson and Courthouse Bay (MCB)
37. PEA - P-298, Physical Fitness Facility, Central Hadnot Point Area (MCB)
38. PEA - P-820, Renovate Enlisted Club, Building 62 (MCB)
39. PEA - P-466, NCO/Enlisted Club, Camp Geiger (MCB)
40. PEA - P-269, Bowling Alley, French Creek (MCB)
41. PEA - P-815, Montford Point Area Enlisted Club (MCB)
42. PEA - P-773, Hobby Shop Complex, Central Hadnot Point Area (MCB)
43. PEA - MCB Rifle Range "C" Range Expansion Project (2dMARDIV)
44. PEA - P-282, Dining Facility Addition (MCAS(H)), New River
45. PEA - P-451, Maintenance Hanger Modernization (MCAS(H)), New River
46. PEA - P-344, Gymnasium (MCAS(H)), New River
47. PEA - P-327, RATTIC Facility (MCAS(H)), New River
48. PEA - P-358, Hazardous/Flammable Storage Facility (MCAS(H)), New River
49. PEA - TAFDS Field Training Site (MCAS(H)), New River

50. PEA - TWSEAS Minor Construction Project (2dMARDIV)
51. PEA - Proposed Stream Crossing Training Facility at 2dRECON (2dMARDIV)
52. PEA - Combining the G-5/G-5A and G-6 Ranges into a single range for Tank, TOW and LVT firing (2dMARDIV)
53. PEA - Providing ground observation into the G-10 and K-2 Impact Areas by clearing excess trees in buffer zone (2dMARDIV)
54. PEA - Creation of a Tactical Driving Range for Mechanized Units (2dMARDIV)

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III. Natural Resources Management

A. Fish and Game Management. Work activities were directed to plan, administer and coordinate the conservation of wildlife population through the development, maintenance and management of natural habitat. Habitat improvement projects included the maintenance and development of 500 acres of clearings well dispersed throughout the base; management of a 2,350-acre quail management area; establishment of ornamental autumn olive and bicolor lespedeza seedlings for game species; procurement of new mobile radios for management and wildlife law enforcement personnel; the maintenance of waterfowl impoundments and fresh-water ponds for fishing; operation of hunter check stations; the issuance of hunting, fishing, trapping and firewood permits and enforcement of Base, State and Federal regulations governing the taking of wildlife resources.

1. Permit Sales by Type

<u>TYPE</u>	<u>FEE</u>	<u>NUMBER</u>	<u>FUNDS COLLECTED</u>
Hunting/Fishing Military	\$ 4.00	1,896	\$ 7,584
Hunting/Fishing Civilian Employee	4.00	131	524
Hunting/Fishing Civilian Guest Seasonal	10.00	445	4,450
Hunting/Fishing Civilian Guest Daily	3.00	52	156
Fishing Military, Civilian Employee	2.00	685	1,370
Hunting Dependent Minor	No Charge	194	0
Trapping Military, Civilian Employee	3.00	39	117
Total Funds Collected			\$14,201

2. Game Harvest by Species

<u>TYPE</u>	<u>NUMBER</u>
Deer	836
Squirrel	972 (77 by motor vehicle)
Wild Turkey	22
Quail	142
Dove	216
Rabbit	71
Woodcock	26
Raccoon	144

B. Nongame/Protected Species Management. Formal consultation with the National Marine Fisheries is in process under Section 7 of Public Law 93-205, the Endangered Species Act of 1973. The National Marine Fisheries Service provided a list of threatened and endangered species found in offshore waters along Onslow Beach. Marine Corps Base was requested to provide the National Marine Fisheries Service with a ~~biological~~ ^{biological} assessment of training activities involving live-firing into offshore waters at Prowns Island relative to the Atlantic Loggerhead Green, Atlantic Ridley, Leatherback and Hawksbill Sea Turtles.

as well as the Fin, Humpback, Right and Sei Whales. A wildlife biologist has been hired to primarily work with the program for the protection of endangered species. Sixty-six turtle nests were protected and monitored by the biologist and two temporary technicians during the 1982 nesting season. Contiguous habitat of the Endangered Red-Cockaded Woodpecker was prescribed burned under the guidelines of the biological opinion rendered for the species. Annual surveys were conducted of Red-Cockaded Woodpecker and American Alligator populations.

C. Forest Management portion of the Environmental Summary was submitted by separate correspondence as requested for discussion at the Department of Defense Session of the Society of American Foresters Conference. However, the additional information is provided.

1. A review of the "Timber Mart-South" publication (a monthly report and forecast on stumpage prices for the Southeastern states) shows that the last report with a demand of "good" and estimate for next 30 days as "fair" was in December 1979. All reports since have shown a demand and 30-day estimate of "fair" to "poor". The most recent report (October 1982) shows "poor" for sawtimber and "fair" for pulpwood. Our recent timber sale offerings bear this out as being a good sampling of the market situation. There doesn't appear to be any improvement in market conditions within the foreseeable future.

2. Recent emphasis on military training and employment of new training techniques at Camp Lejeune is requiring a review of the base forest management program, for example; the PD, HA, and HC Areas, E-3 Range FAN realignment and expansion, expansion of the G5-A and G-6 Ranges, use of clearcut and regeneration site for training. Due to the aforementioned training requirements, the total acreage identified under forest management in the Base Natural Resource Management Plan will decrease. Assistant Chief of Staff, Training has been requested to provide known and anticipated training requirements that will necessitate changing the Base Forestry Management Program. The Base Natural Resource Management Plan is scheduled for update in 1985 and will reflect the new military training requirements.

D. Soil Conservation/Erosion Control. Design was completed for a project to reduce erosion/sedimentation at stream crossing for tracked/tactical vehicles.

E. Agricultural Use/Range Management. Not applicable.

F. Landscaping and Horticulture. During the Spring of 1982, the fourth area of 2d Force Service Support Group was landscaped with shrubbery, 500 plants were placed around barracks, mess halls and headquarters buildings. Relandscaping was done at Building 2615 using 100 shrubs in and around the building. This past month of October and November another 500 shrubs were planted at the third area 2d Force Service Support Group buildings. Camp Geiger main gate was landscaped with 100 shrubs. Flowering plants were placed in beds using 250 plants at three entrances for Tarawa Terrace I and Tarawa Terrace II. General maintenance of shrubbery beds and shrubbery was performed during the year such as pruning, trimming, fertilizing and cleaning weeds and grass from shrubbery.

G. Outdoor Recreation

<u>ACTIVITY</u>	<u>PARTICIPATION (Trips)</u>
Hunting	36,263
Fishing	25,000
Trapping	650
Total	61,913

IV. Historical/Archaeological Resource Management.

1. A prefinal draft of the Archaeological and Historic Reconnaissance for the base has been accepted and implemented. Base Training and Natural Resources personnel have posted the Mumford Mill and Gray Cemetery sites for protection as recommended by the prefinal draft. The prefinal draft is being utilized in Natural Resources Management Planning and review of preliminary environmental assessments.

2. An American Indian Ossuary was located at Jarrets Point and use of the area was temporarily restricted from land use operations. A team from the Archaeological Research Laboratory, University of North Carolina at Chapel Hill completed removal of the bones. The bones were transported to the University where they will be cleaned, preserved, cataloged and curated. The area is again being used for training since the archaeological work has been accomplished.

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