

## FILE FOLDER

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7000 Financial

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

Charles

IN REPLY REFER TO  
MAIN/KCH/th  
11000

OCT 31 1978

From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-2)  
Subj: Natural Resources Statistical Report  
Ref: (a) MCO P11000.8A  
Encl: (1) FY 1978 Natural Resources Statistical Report

1. In compliance with reference (a), enclosure (1) is forwarded.

J. KOVACH  
By direction

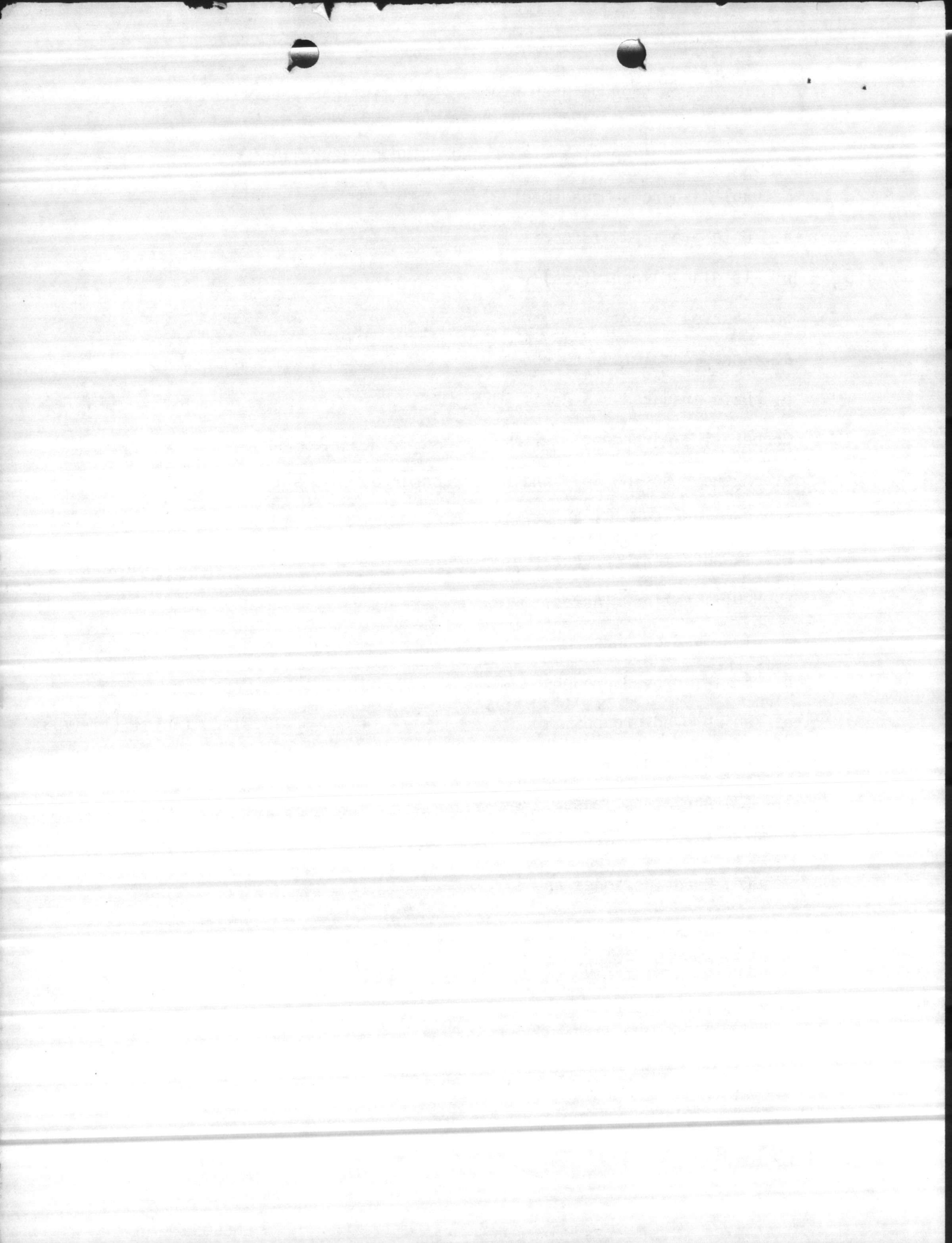


8/11/1930

FY 1978 NATURAL RESOURCES STATISTICAL REPORT FOR  
Marine Corps Base, Camp Lejeune, N. C.

PART I - SOIL AND WATER CONSERVATION

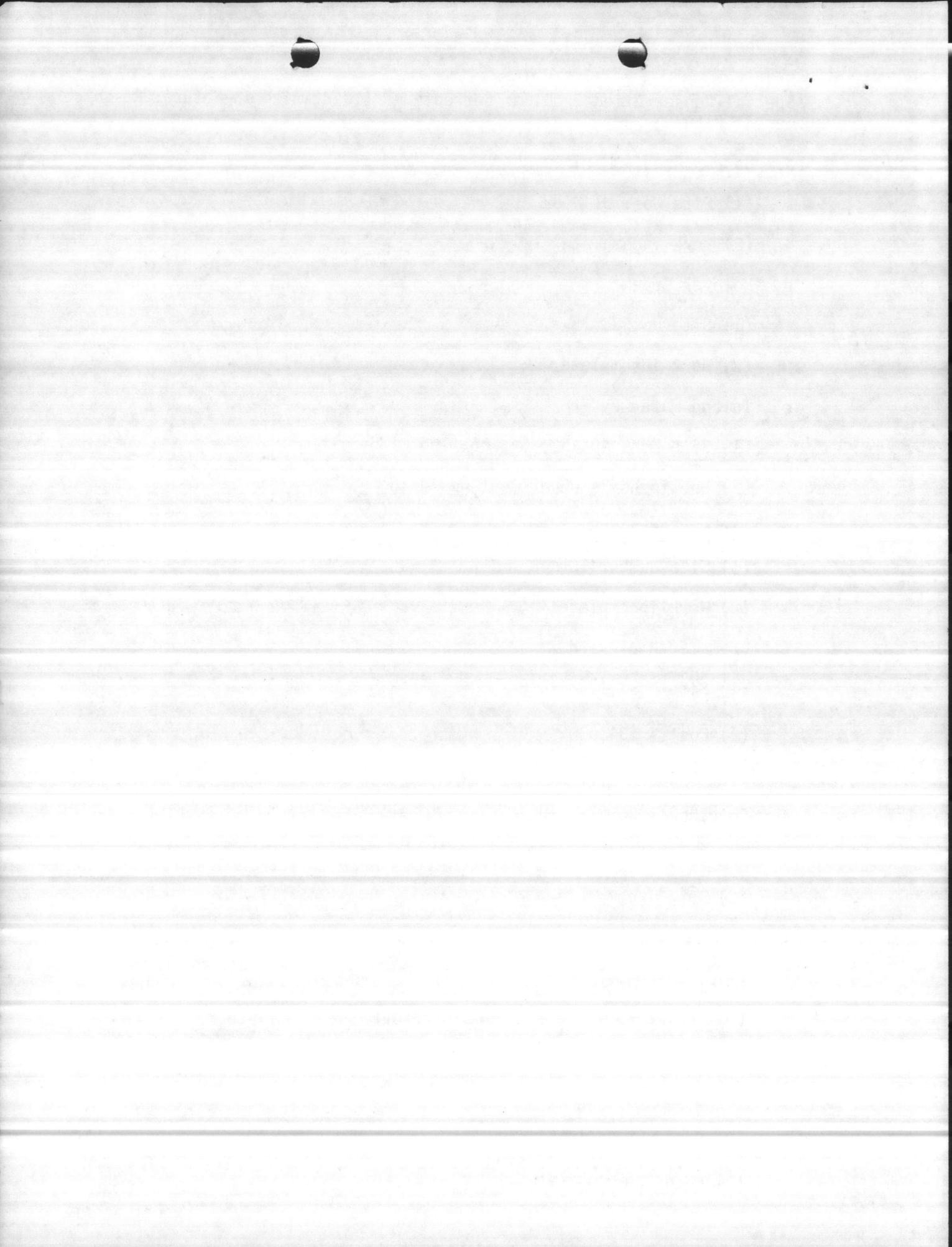
1. Natural Resources Management Plan
  - a. Date prepared 18 April 1975
  - b. Is plan current (yes)
2. Soil Survey Report
  - a. Acres completed 86,695
  - b. Date prepared 18 April 1975
3. Cooperative Agreement
  - a. Agency Onslow Soil and Water Conservation District
  - b. Date prepared 1 August 1974
  - c. Is agreement current (yes)
4. Land Utilization (Acres)
  - a. Improved grounds 8,362
  - b. Semi-improved grounds 5,014
  - c. Unimproved grounds 73,319 (Total (1)-(7))
    - (1) Woodland 60,093
    - (2) Agric. outlease 0
    - (3) Impact areas 5,447
    - (4) Roadside zones and streams 2,523
    - (5) Wildlife Foodplots 285
    - (6) Coastal Beach 1,645
    - (7) Tidal Marsh 3,326
5. Land Use Conversion - None
6. Agricultural Outlease - None





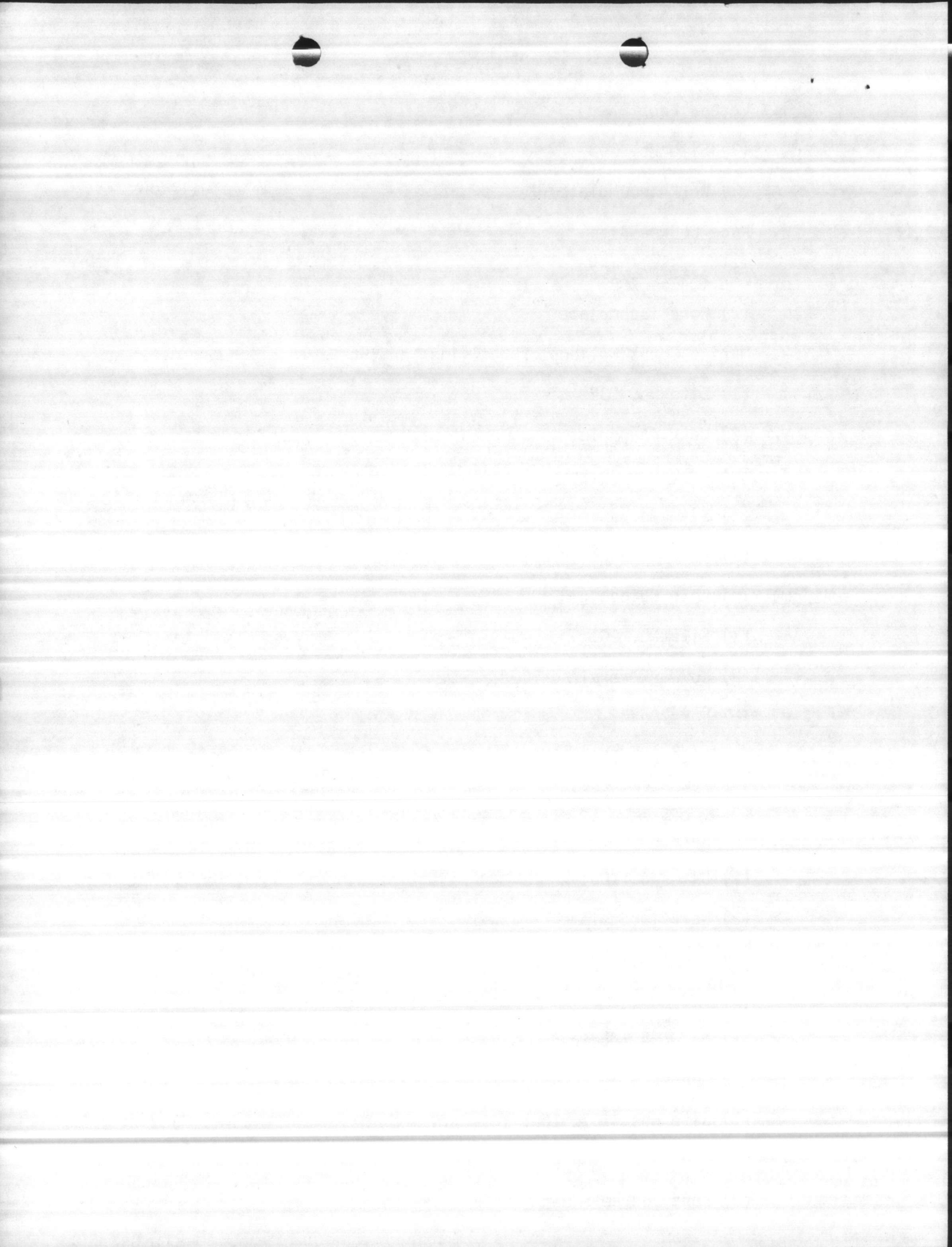
7. Special Conservation Problems Corrected - (Identified in Natural Resource Management Plan)

- a. Borrow Area - Marines Road
  - (1) Site Nos. 81 & 82
  - (2) Work incomplete
- b. Holover Creek
  - (1) Site No. 84
  - (2) Work incomplete
- c. Inland Waterway
  - (1) Site Nos. 49, 52, 64, 86, 166, 175
  - (2) Public Works Department Designing
- d. Tarawa Terrace
  - (1) Site Number 16
  - (2) Work incomplete
- e. Brewster Boulevard
  - (1) Site Nos. 17 & 18
  - (2) Cost - \$34,000
  - (3) Fund Source - O&M
- f. Courthouse Bay
  - (1) Site No. 65
  - (2) Work incomplete
- g. Inland Waterway
  - (1) Site Nos. 77 & 78
  - (2) Public Works Department Designing
- h. Town Point Road
  - (1) Site No. 179
  - (2) Cost - \$1,000
  - (3) Fund Source - O&M

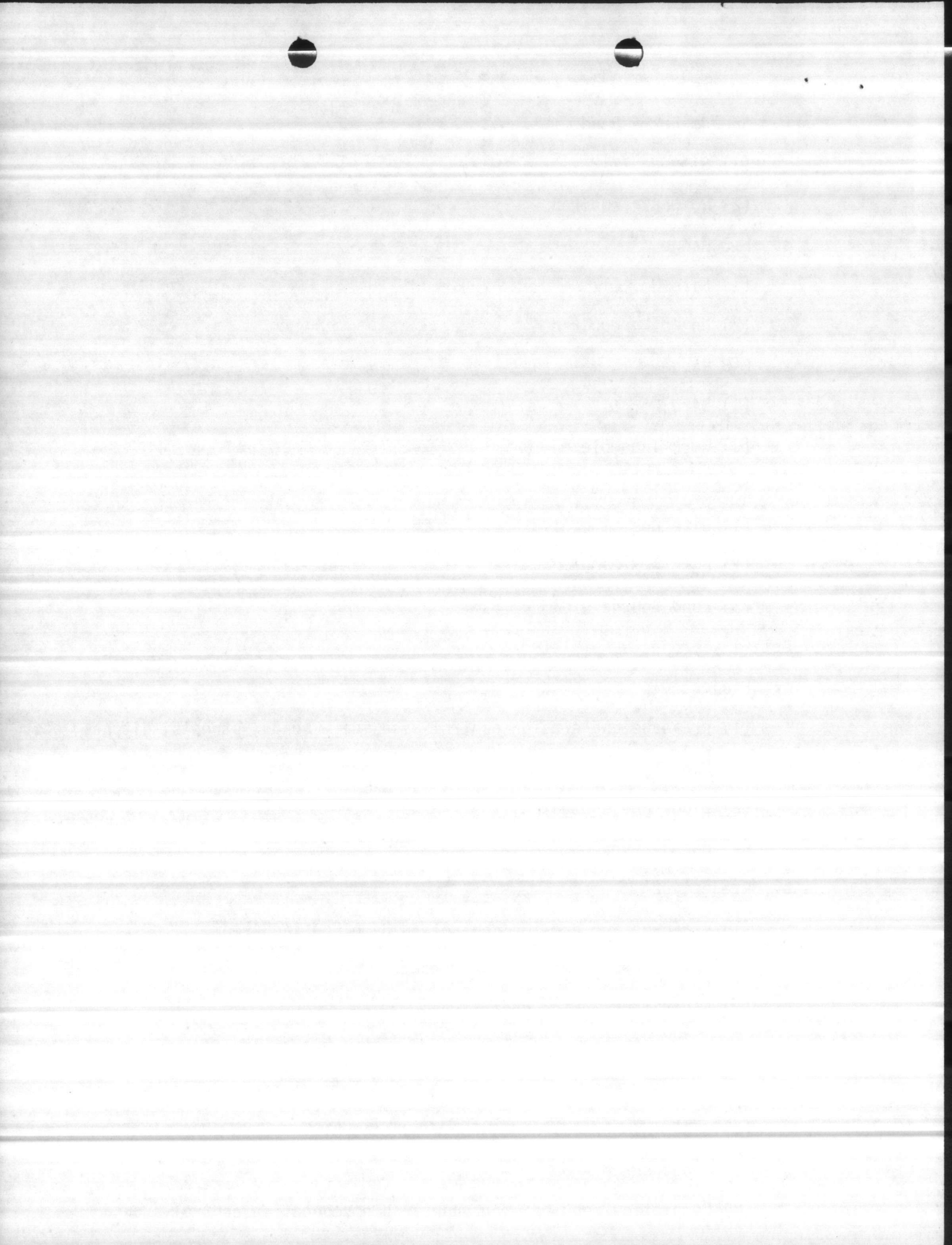


- i. Verona Loop
  - (1) Site No. 190
  - (2) Work incomplete
- j. Race Course Area
  - (1) Site No. 198
  - (2) Work incomplete
- k. Marine Corps Helicopter Outlying Landing Field
  - (1) Site No. 232
  - (2) Work incomplete
- l. Inland Waterway
  - (1) Site No. 90
  - (2) Public Works Department Designing
- m. Triangle Outpost
  - (1) Site No. 101
  - (2) No work required
- n. TLZ Lark Road
  - (1) Site No. 104
  - (2) Work incomplete
- o. TLZ Lark Road
  - (1) Site No. 105
  - (2) Work incomplete
- p. G-10 Impact Area
  - (1) Site No. 106
  - (2) No work required
- q. TLZ Goose
  - (1) Site Nos. 107, 108, 109, 110
  - (2) Cost - \$5,014
  - (3) Fund Source - O&M





- r. Sneads Ferry Road
  - (1) Site No. 112
  - (2) No work required
- s. F-3 Range
  - (1) Site No. 117
  - (2) No work required
- t. F-3 Range
  - (1) Site No. 118
  - (2) Work incomplete
- u. Town Point
  - (1) Site Nos. 174, 175
  - (2) Cost - \$12,000
  - (3) Fund Source - O&M
- 8. Activity Projects Completed
  - a. Project #1
    - (1) Drainage and erosion control basewide - roads, streets, ditches, etc.
    - (2) Fund Source - O&M
    - (3) Flood and control
    - (4) Cost - \$96,300
  - b. Project #2
    - (1) Drainage and erosion control in Base Housing Area
    - (2) Fund Source - HA
    - (3) Flood and erosion control
    - (4) Cost - \$29,500
  - c. Project #3
    - (1) Basewide special areas for weed control
    - (2) Fund Source - O&M
    - (3) Completion required for undesirable vegetation control around





transformer stations, fences, etc.

(4) Cost - \$32,000

d. Project #4

(1) Cleanup after contingency oil spills

(2) Fund Source - O&M

(3) Pollution abatement - Pumping oil out of drainage ditches, covering oil with sand, replacement of contaminated soil, grading and seeding areas.

(4) Cost - \$6,347

e. Project #5

(1) Landscaping and shrubbery maintenance

(2) Fund Source - O&M

(3) Planting trees shrubs and flowers

(4) Cost - \$13,800

f. Project #6

(1) Tree pruning

(2) Fund Source - HA

(3) Remove dead trees around building, prune shrubbery, trim trees and landscape

(4) Cost - \$46,500

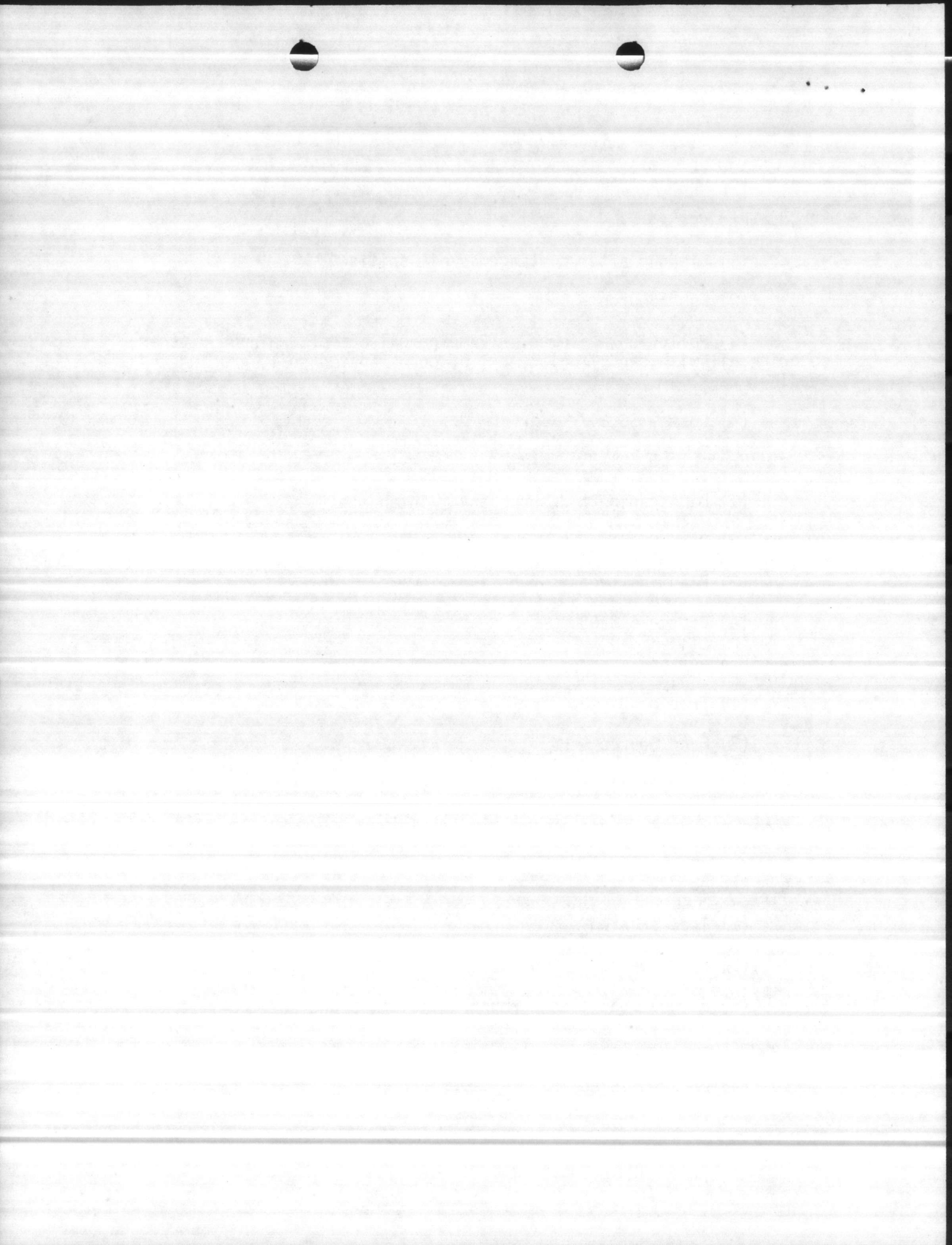
g. Project #7

(1) Tree pruning

(2) Fund Source - O&M

(3) Remove dead trees around building, prune shrubbery, trim trees, and landscape

(4) Cost - \$15,500



PART II - FOREST RESOURCE MANAGEMENT REPORT FY 78

- |  |                             |              |
|--|-----------------------------|--------------|
| 1. Total Acres of Managed Woodland   | <u>62,382</u>               |              |
| 2. Professional Forester Time Used   | <u>24</u>                   | (man-months) |
| 3. Long-Range Forest Management Plan   |                             |              |
| a. Date prepared   | <u>18 April 1975</u>        |              |
| b. Date last revised   | <u>April 1978</u>           |              |
| c. Date scheduled for next revision  | <u>April 1979</u>           |              |
| d. Has annual work plan or increment been prepared for next fiscal year? (yes)   |                             |              |
| 4. Timber Harvests   |                             |              |
| a. Acres harvested   | <u>2,006</u>                |              |
| b. Sawtimber   | <u>5,458,853</u>            | bd. ft.      |
| c. Pulpwood  | <u>5,332.9</u>              | cords        |
| d. Poles and piling  | <u>                    </u> |              |
| e. Other   | <u>27,864</u>               | bd. ft.      |
|  | <u>81.4</u>                 | cords        |
| f. Gross expenses  | <u>\$ 81,622</u>            |              |
| g. Gross proceeds  | <u>\$ 686,157*</u>          |              |
| 5. Timber Stand Improvement  |                             |              |
| a. Acres   | <u>74</u>                   |              |
| b. Gross expenditure   | <u>\$ 3,107</u>             |              |
| 6. Reforestation   |                             |              |
| a. By tree planting <u>374</u> acres. By direct seeding <u>0</u> acres. By regeneration <u>62</u> acres. By site preparation <u>86</u> acres KG'd and <u>122</u> acres bedded. |                             |              |
| b. Windbreaks and shelterbelts <u>0</u> acres.   |                             |              |
| c. Gross expenditures <u>\$39,667</u>  |                             |              |

\*Represents money received during budget period and not total sales that occurred during this period.





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7. Fire Protection

a. Acres protected	<u>69,140</u>	
b. Forest fire lanes: Miles constructed <u>76</u> Miles maintained <u>20</u>		
c. Acres controlled burned	<u>9,242</u>	(+ <u>6,500</u> acs. - Ranges & Impact Areas)
d. Gross expenditures	<u>\$ 47,998</u>	(\$2,237 - 0 & M)

8. Timber Access Roads

a. Miles constructed	<u>0</u>
b. Miles maintained	<u>18</u>
c. Gross expenditures	<u>\$ 5,124</u>

9. Natural Beauty

a. Approximately 76 miles of fire line were plowed to prevent prescribed fire from burning in hardwood areas. This will increase the size and aesthetic value of these hardwood areas.

b. Backslopes of heavily traveled main roads were excluded from prescribed burning.

c. Key areas of hardwood are being set aside in KG'd areas to break up these areas and make them more aesthetically pleasing.

10. Administrative Management Costs \$ 59,058  
(Includes all program costs not included in items 5 through 9 proceeding)

11. Total Program Expenditures \$ 236,576

12. Estimated Value of Lumber Products Harvested and Used on Installation  
\$5,000.



1 2 3



PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity

Marine Corps Base,                      Camp Lejeune,                      North Carolina

2. Cooperative Management Plan

Date completed 18 April 1975

3. Extent of Land and Water Areas in the Fish and Wildlife Program

Land acreage	<u>71,303</u>	
Water acreage	<u>26,000</u>	
Miles of stream	<u>80</u>	
Miles of shoreline	<u>21</u>	(Marine)
	<u>122</u>	(Stream and Bay)

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing and other:

- A - Generally open with controlled public access within manageable quotas.
- B - Installation personnel and guests.
- C - Installation personnel only.
- D - Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>
For fishing	<u>A</u>
For other outdoor recreation	<u>B</u> (Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; <u>not</u> swimming pools; ball parks, golf courses, etc.)

5. Estimated Number of Visitors Granted Access for:

Hunting	<u>4,196</u>
Fishing	<u>25,000</u>
Other outdoor recreation	<u>0</u>
Total	<u>29,196</u>

6. Problems and Potential Problem Areas. Some conflict has occurred between military use of the Tank/Mechanized Infantry Training Area and habitat of the red-cockaded woodpecker. Modifications for use of the area are in progress for concurrently insuring protection of the habitat and fulfilling the training commitments. Formal consultation has been requested with the U. S. Fish and Wildlife Service involving habitat protection programs for the red-cockaded woodpecker and the Atlantic loggerhead sea turtle.



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7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.

8. Itemized Expenditure of Funds Derived from Fees Collected.

<u>Project</u>	<u>Expenditure</u>	
a. Plant 38 2-acre plots in winter grains fro game species		
Labor	\$1,567	
Equipment	398	
Total		\$1,965
b. Plant 50 1/2-acre strips in annual mixtures for small game		
Labor	446	
Equipment	300	
Total		968
c. Plant 60 1/2-acre plots to chufas for wild turkey		
Labor	1,249	
Equipment	436	
Total		1,709
d. Plant 50 2-acre plots in winter rye and wheat for game species		
Labor	4,076	
Equipment	1,121	
Total		5,197
		<u>\$9,839</u>

Note: Materials budgeted for nongame and endangered species management were expended from other funds.

9. Itemized Expenditures, Other Than Fees, for Fish and Wildlife Enhancement Efforts

a. Wildlife Food Plantings (Materials, seed and fertilizer)	\$4,980
b. Nongame and Endangered Species Management (Materials)	172
	<u>\$5,152</u>





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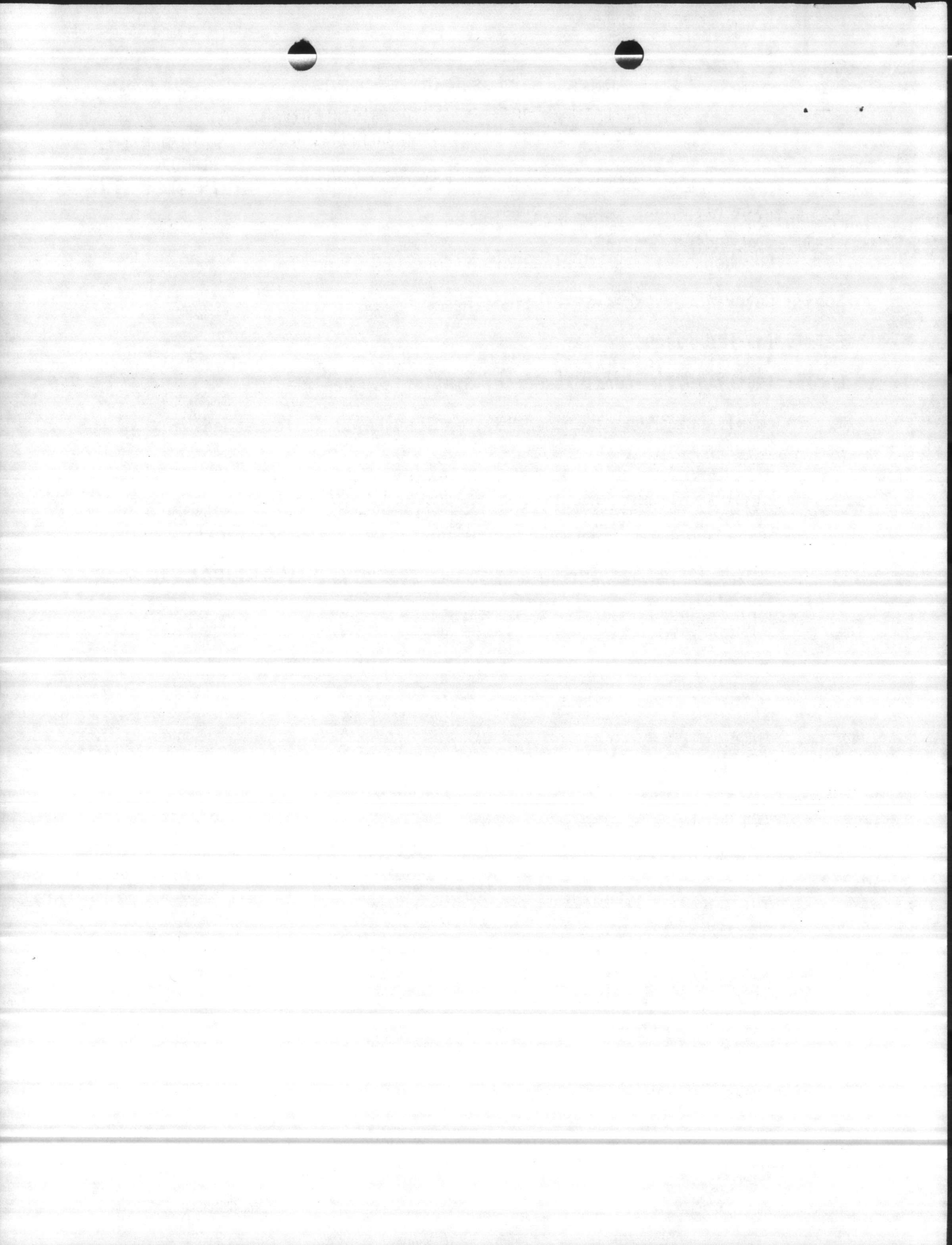
UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO  
MAIN/WAN/th  
11000  
14 Oct 77

From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-2)  
Subj: Natural Resources Statistical Report  
Ref: (a) MCO P11000.8A  
Encl: (1) FY 1977 Natural Resources Statistical Report

1. In compliance with reference (a), enclosure (1) is forwarded.

C. D. WOOD  
By direction



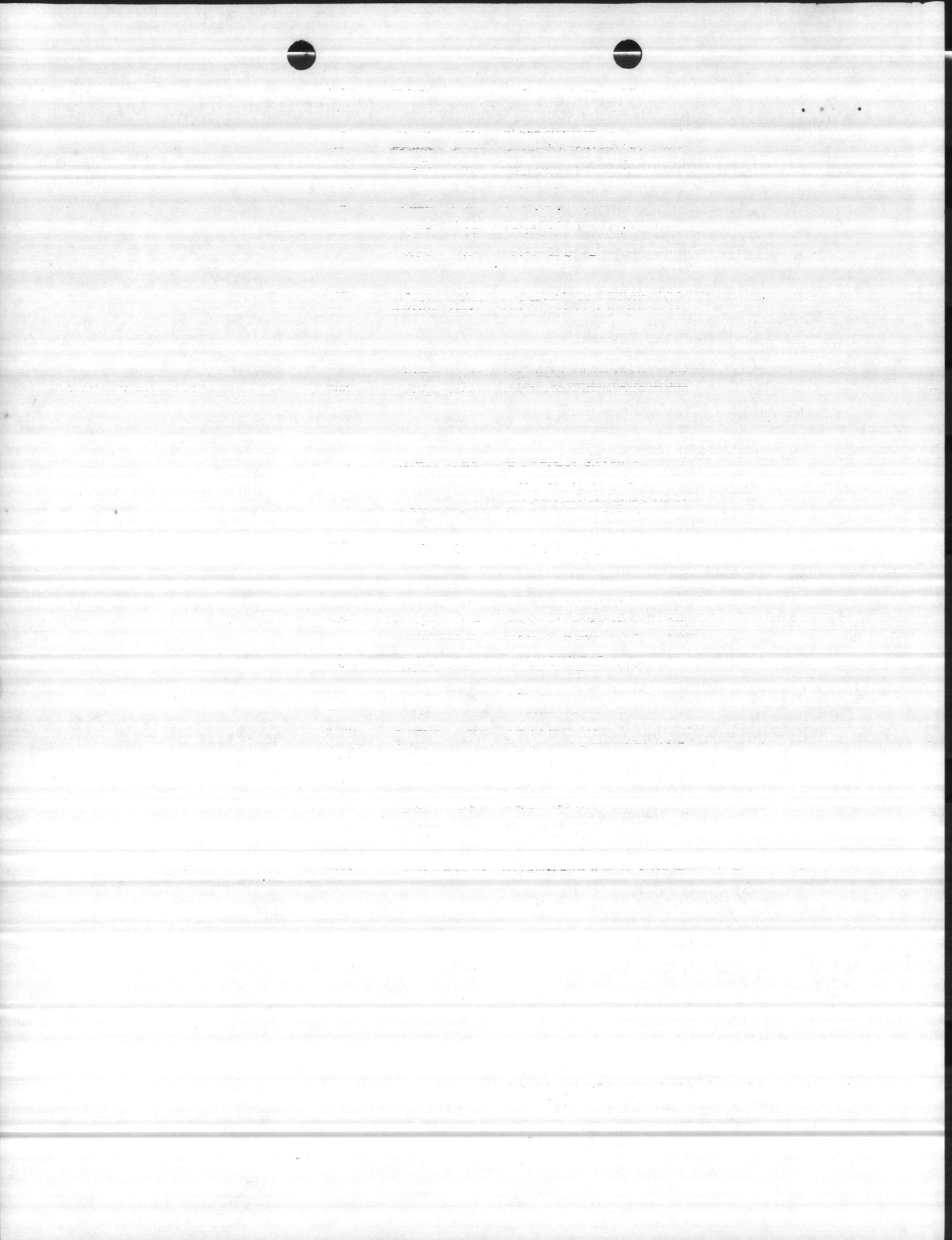


FY 1977 NATURAL RESOURCES STATISTICAL REPORT FOR  
Marine Corps Base, Camp Lejeune, N. C.

PART I - SOIL AND WATER CONSERVATION

1. Natural Resources Management Plan
  - a. Date prepared 18 April 1975
  - b. Is plan current (yes)
2. Soil Survey Report
  - a. Acres completed 86,695
  - b. Date prepared 18 April 1975
3. Cooperative Agreement
  - a. Agency Onslow Soil and Water Conservation District
  - b. Date prepared 1 August 1974
  - c. Is agreement current (yes)
4. Land Utilization (Acres)

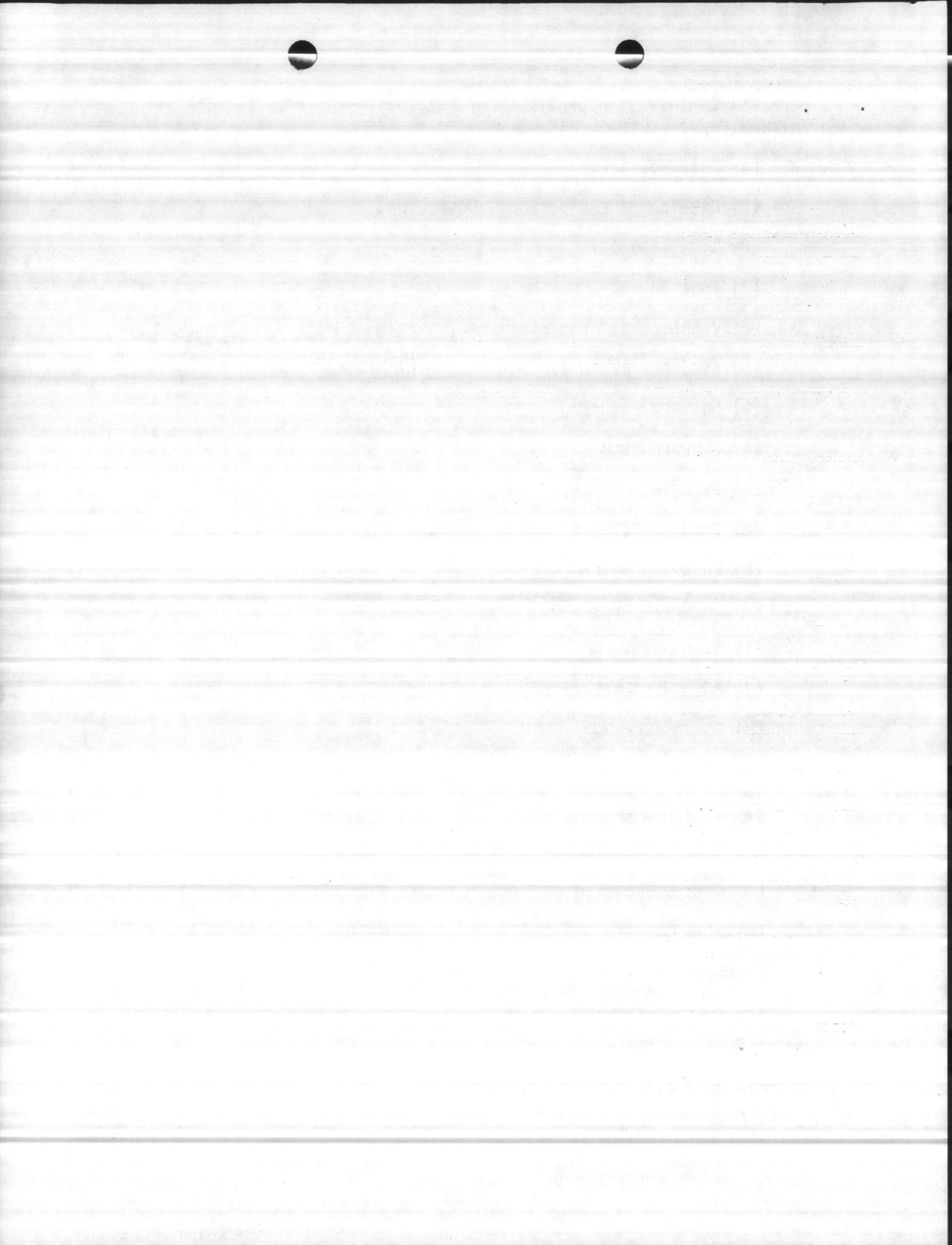
a. Improved grounds	<u>8,362</u>
b. Semi-improved grounds	<u>5,014</u>
c. Unimproved grounds	<u>73,319</u> (Total of (1)-(7))
(1) Woodland	<u>60,093</u>
(2) Agric. outlease	<u>0</u>
(3) Impact areas	<u>5,447</u>
(4) Roadside zones and streams	<u>2,523</u>
(5) Wildlife Foodplots	<u>285</u>
(6) Coastal Beach	<u>1,645</u>
(7) Tidal Marsh	<u>3,326</u>
5. Land Use Conversion - None
6. Agricultural Outlease - None



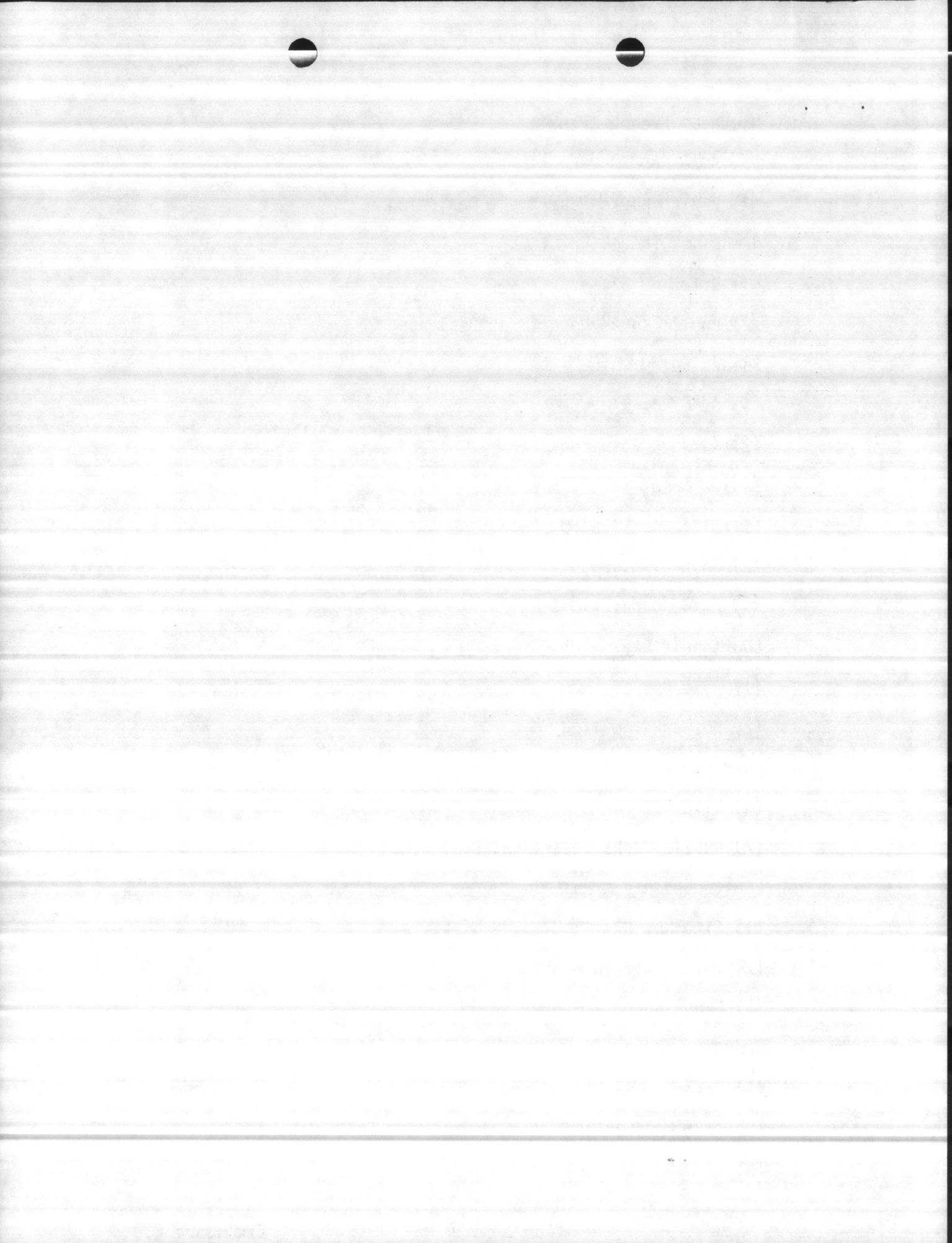
7. Special Conservation Problems Corrected - (Identified in Natural Resource Management Plan)

- a. Camp Johnson Area
  - (1) Site No. 3
  - (2) Cost - \$2,187
  - (3) Fund Source - O & M
- b. Heavy Equipment Area
  - (1) Site No. 17a & 17b
  - (2) No work required
- c. Berkeley Manor
  - (1) Site No. 27
  - (2) Cost - \$1,389
  - (3) Fund Source - HA
- d. French Creek Area
  - (1) Site No. 35
  - (2) Cost - \$6,344
  - (3) Fund Source - O & M
- e. Piney Green Road
  - (1) Site No. 40
  - (2) Cost - \$562
  - (3) Fund Source - O & M
- f. Training Road
  - (1) Site No. 45 & 47
  - (2) Cost - \$2,858
  - (3) Fund Source - O & M
- g. Magazine Area
  - (1) Site No. 46
  - (2) Active Borrow Area



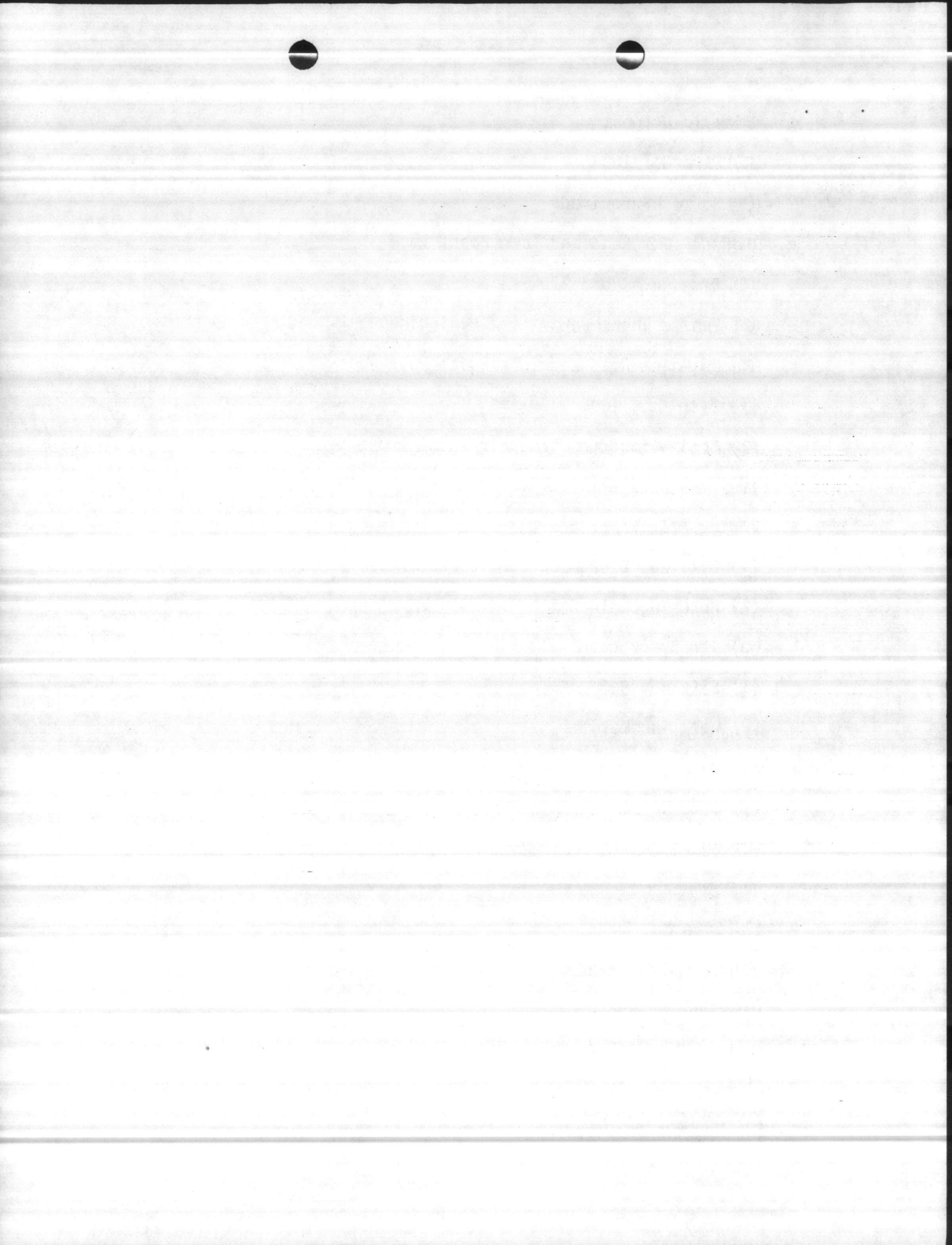


- h. Mouth of French Creek
  - (1) Site No. 49
  - (2) Public Works Department Designing
- i. New River Shoreline
  - (1) Site No. 52
  - (2) Public Works Department Designing
- j. Sneads Ferry Gate
  - (1) Site No. 57
  - (2) No work required
- k. Sneads Creek
  - (1) Site No. 59 & 60
  - (2) Cost - \$2,066
  - (3) Fund Source - O & M
- l. Courthouse Bay
  - (1) Site No. 62
  - (2) No work required
- m. Courthouse Bay Area
  - (1) Site No. 64
  - (2) Public Works Department Designing
- n. Courthouse Bay Area
  - (1) Site No. 67
  - (2) Cost - \$1,470
  - (3) Fund Source - O & M
- o. Courthouse Bay Area
  - (1) Site No. 68
  - (2) Cost - \$4,645
  - (3) Fund Source - O & M



- p. Highway 172
  - (1) Site No. 75
  - (2) Work incomplete
- q. Highway 172
  - (1) Site No. 76
  - (2) Active Borrow Site
- r. TLZ Albatross
  - (1) Site No. 80
  - (2) Cost - \$2,000
  - (3) Fund Source - O & M
- s. Borrow Area - Marines Road
  - (1) Site No. 81 & 82
  - (2) Work incomplete
- t. Holover Creek
  - (1) Site No. 84
  - (2) Work incomplete
- u. Inland Waterway
  - (1) Site No. 86
  - (2) Public Works Department Designing
- v. Onslow Beach
  - (1) Site No. 89
  - (2) Cost - \$24,600
  - (3) Fund Source - O & M
- w. Highway 172
  - (1) Site No. 99
  - (2) No work required





x. Triangle Outpost

(1) Site No. 100

(2) No work required

y. Rhodes Point Road and Town Point Road

(1) Site No. 166 & 175

(2) Public Works Department Designing

z. Rhodes Point Road and Town Point Road Areas

(1) Site Nos. 169, 174, 176

(2) Accomplished by Troop Training Project

8. Activity Projects Completed

a. Project #1

(1) Drainage & erosion control basewide - roads, streets, ditches, etc.

(2) Fund Source - O & M

(3) Flood & Control

(4) Cost - \$71,311

b. Project #2

(1) Drainage & erosion control in Base Housing Areas

(2) Fund Source - HA

(3) Flood & Erosion Control

(4) Cost - \$17,469

c. Project #3

(1) Basewide special areas for weed control

(2) Fund Source - O & M

(3) Completion required for undesirable vegetation control around transformer stations, fences, etc.

(4) Cost - \$36,500



d. Project #4

(1) Cleanup after contingency oil spills

(2) Fund Source - O & M

(3) Pollution Abatement - Pumping oil out of drainage ditches, covering oil with sand, replacement of contaminated soil, grading and seeding areas

(4) Cost - \$6,455

e. Project #5

(1) Landscaping shrubbery maintenance

(2) Fund Source - HA

(3) Planting trees, shrubs and flowers

(4) Cost - \$81,118

f. Project #6

(1) Tree pruning

(2) Fund Source - O & M

(3) Remove dead trees around buildings, prune shrubbery, trim trees, and landscape

(4) Cost - \$42,317

g. Project #7

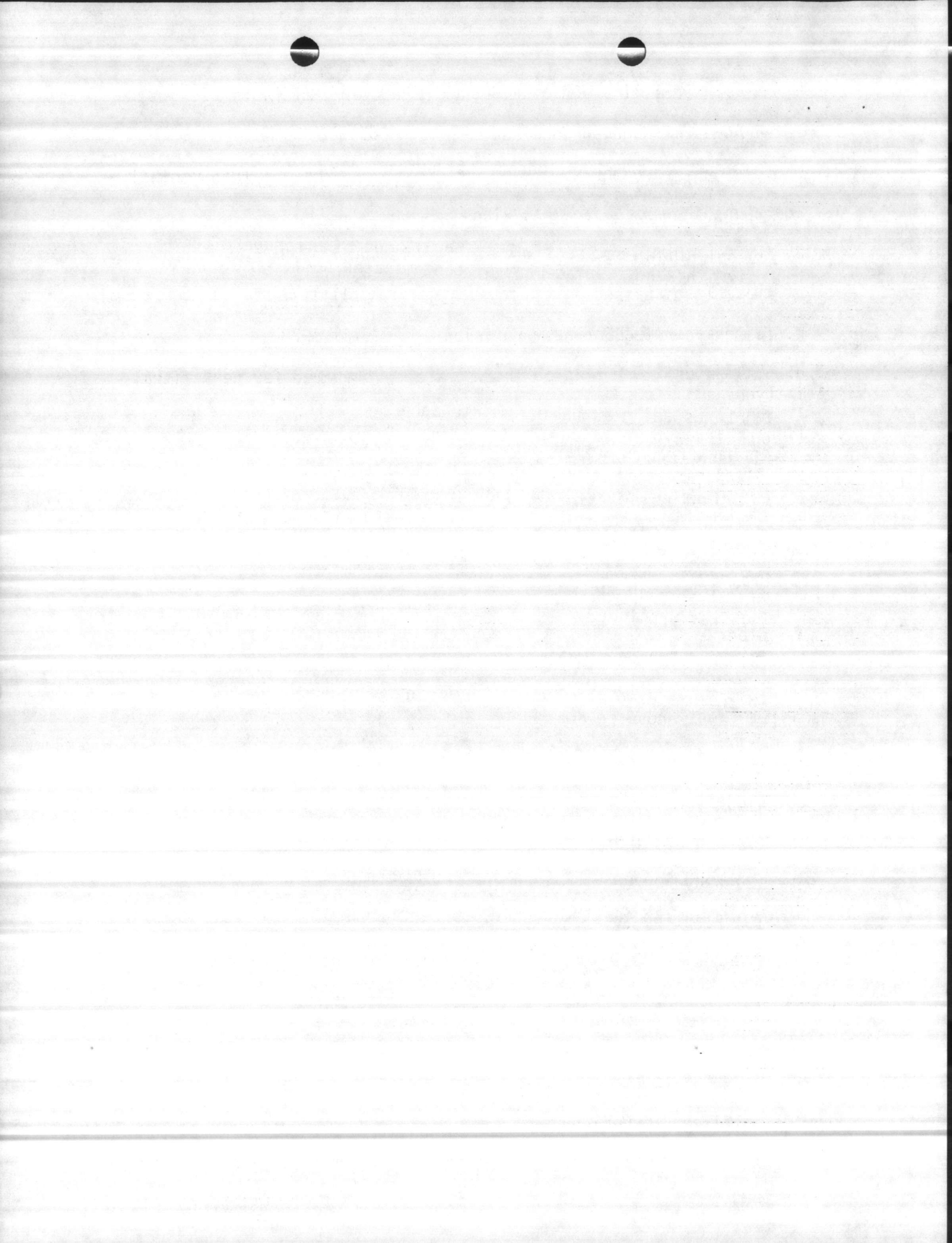
(1) Landscaping Base Special Services Buildings at Onslow Beach

(2) Fund Source - R2 (Non-appropriated Fund)

(3) Planting local shrubbery bordering Camp Site #1

(4) Cost - \$2,100

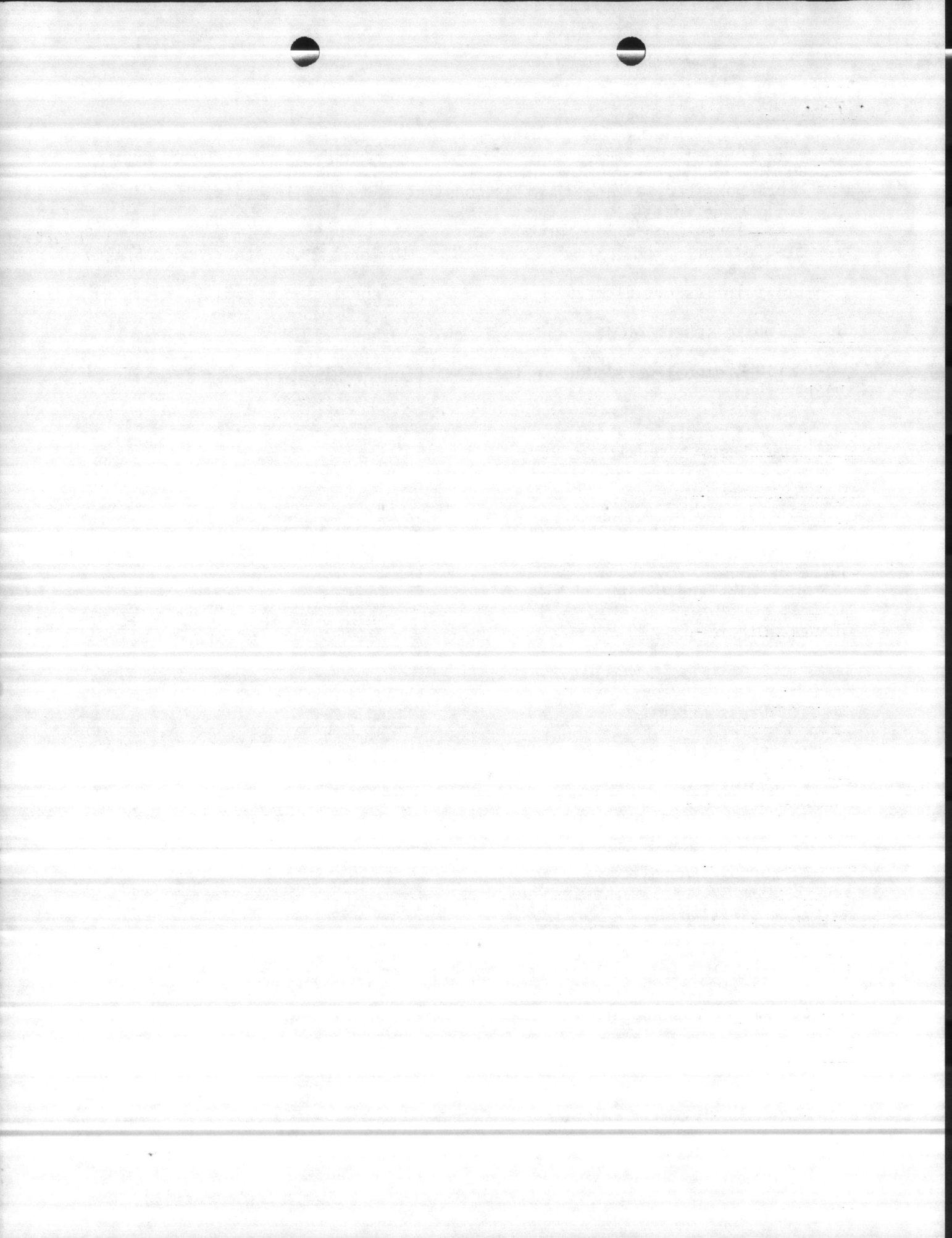




PART II - FOREST RESOURCE MANAGEMENT REPORT FY 77

1. Total Acres of Managed Woodland 62,382
2. Professional Forester Time Used 24 (man-months)
3. Long-Range Forest Management Plan
  - a. Date prepared 18 April 1975
  - b. Date last revised April 1977
  - c. Date scheduled for next revision April 1978
  - d. Has annual work plan or increment been prepared for next fiscal year? (yes)
4. Timber Harvests
  - a. Acres harvested 1,432
  - b. Sawtimber 2,710,240 bd. ft.
  - c. Pulpwood 2,017 cords
  - d. Poles and piling - - -
  - e. Other 31,362 bd. ft.  
285 cords
  - f. Gross expenses \$ 50,873
  - g. Gross proceeds \$ 252,635\*
5. Timber Stand Improvement
  - a. Acres 212
  - b. Gross expenditure \$ 5,670
6. Reforestation
  - a. By tree planting 388 acres. By direct seeding 0 acres. By regeneration 152 acres. By site preparation 83 acres.
  - b. Windbreaks and shelterbelts 0 acres.
  - c. Gross expenditures \$35,443

\*Represents money received during budget period and not total sales that occurred during this period.



7. Fire Protection

- a. Acres protected 69,140
- b. Forest fire lanes: Miles constructed 85 Miles maintained 20
- c. Acres controlled burned 6,463 (+ 6,500 acs. - Ranges and Impact Areas)
- d. Gross expenditures \$ 52,646 (\$3,931 - O & M)

8. Timber Access Roads

- a. Miles constructed 10
- b. Miles maintained 16
- c. Gross expenditures \$ 2,732

9. Natural Beauty

a. Approximately 85 miles of fire line were plowed to prevent prescribed fire from burning in hardwood areas. This will increase the size and aesthetic value of these hardwood areas.

b. Approximately 108 acres were deleted from proposed timber sales to increase the aesthetic value along heavily traveled roads and housing areas.

c. Backslopes of heavily traveled main roads were excluded from prescribed fire.

d. Key areas of hardwood are being set aside in KG'ed areas to break up these areas and make them more aesthetically pleasing.

10. Administrative Management Costs \$ 86,008  
(Includes all program costs not included in items 5 through 9 proceeding)

11. Total Program Expenditures \$ 233,372

12. Estimated Value of Lumber Products Harvested and Used on Installation \$5,000.





PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity

Marine Corps Base,      Camp Lejeune,      North Carolina

2. Cooperative Management Plan

Date completed 18 April 1975

3. Extent of Land and Water Areas in the Fish and Wildlife Program

Land acreage	<u>71,303</u>	
Water acreage	<u>26,000</u>	
Miles of stream	<u>80</u>	
Miles of shoreline	<u>21</u>	(Marine)
	<u>122</u>	(Stream and Bay)

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing and other:

- A - Generally open with controlled public access within manageable quotas.
- B - Installation personnel and guests.
- C - Installation personnel only.
- D - Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>	
For fishing	<u>A</u>	
For other outdoor recreation	<u>B</u>	(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; <u>not</u> swimming pools, ball parks, golf courses, etc.)

5. Estimated Number of Visitors Granted Access for:

Hunting	<u>5,044</u>
Fishing	<u>25,000</u>
Other outdoor recreation	<u>0</u>
Total	<u>30,044</u>

6. Problems and Potential Problem Areas. Some conflict has occurred between military use of the Tank/Mechanized Infantry Training Area and habitat of the red-cockaded woodpecker. Modifications for use of the area are in progress for concurrently insuring protection of the habitat and fulfilling the training commitments.



.....



7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.

8. Itemized Expenditure of Funds Derived from Fees Collected.

<u>Project</u>	<u>Expenditure</u>	
a. Plant 38 2-acre plots in winter grains for game species		
Labor	\$1,012	
Equipment	240	
Total		\$1,252
b. Plant 40 1/2-acre strips in annual mixtures for small game		
Labor	827	
Equipment	362	
Total		1,189
c. Plant 60 1/2-acre plots to chufas for wild turkey		
Labor	827	
Equipment	362	
Total		1,189
d. Plant 30 2-acre plots in winter rye and wheat for game species		
Labor	2,425	
Equipment	1,276	
Total		3,701
TOTALS		\$7,331

Note: Materials budgeted for nongame and endangered species management were expended from other funds.

9. Itemized Expenditures, Other Than Fees, for Fish and Wildlife Enhancement Efforts

a. Wildlife Food Plantings (Materials, seed and fertilizer)	\$4,388
b. Nongame and Endangered Species Management (Materials)	607
	\$4,995







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

IN REPLY REFER TO  
MAIN/WAN/th  
11000  
~~28 Feb 1977~~  
1 Mar 77

From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-2)  
Subj: Environmental Summary Report  
Ref: (a) MCO P11000.8A  
Encl: (1) Environmental Summary Report  
1. In <sup>accordance</sup> ~~compliance~~ with reference (a), enclosure (1) is forwarded.

G. D. WOOD  
By direction

MMMMMM



## ENVIRONMENTAL SUMMARY REPORT

### 1. Military Mission and Population.

a. The mission of Marine Corps Base, Camp Lejeune is as follows:

(1) Provide housing, training facilities, logistic support, and certain administrative support for Fleet Marine Force Units and other units as assigned.

(2) Conduct specialized schools and other training as directed.

(3) Receive and process personnel as assigned and conduct individual combat training as directed.

b. Population. The present military population of Camp Lejeune is approximately 40,000 military personnel, augmented by approximately 4,000 civilian employees. Military dependents are in excess of 32,000 on and off base.

### 2. Summary Statement - Objectives and Accomplishments.

a. Woodland Management. The overall forestry objective is to plan, coordinate and implement all phases of forest management work in consonance with the Base Natural Resource Management Plan.

(1) Major objectives were as follows:

(a) Make field examinations of timber compartments and prepare prescriptions that provide for consideration of known environmental assets.

(b) Mark and prepare timber volumes for sale; sell and administer same.

(c) Effect necessary site preparation for successful reforestation.

(d) Accomplish timber stand improvement.

(e) Maintain adequate system of timber access roads.

(f) Provide fire prevention, detection and suppression as needed.

(g) Prescribe burn regularly scheduled forested areas and all firing ranges and impact areas.

(h) Plan, secure and administer contracts for project work not available through base capabilities.





(2) Accomplishments were as follows:

(a) Six compartment prescriptions were prepared resulting in an income of \$304,452. However, only \$97,270 was received during the reporting period.

(b) Site preparation was completed on 691 acres.

(c) Pre-commercial thinning was completed on 98 acres of overstocked pine.

(d) Eighteen miles of timber access roads were seeded for erosion control.

(e) Detection of woods fires was carried out, and a total of 68 fires were discovered and suppressed. Total burned area was 686 acres.

(f) Prescribe burning was accomplished on 12,720 acres (7,142 acres of forested area and 5,578 acres of range and impact area).

(g) Three new pieces of forestry equipment were acquired and put into use. The equipment, a roll chopper, bedder and tree planter, provide enhanced management capability and are more cost effective than traditional hand-labor efforts.

b. Fish and Wildlife Management. The general objective of this branch is the implementation of a well-balanced program aimed at all wildlife species.

(1) Major objectives were as follows:

(a) Continue existing programs that relate to game, non-game and endangered species.

(b) Increase permit fees to insure the necessary financial support to carry out fish and wildlife objectives.

(c) Employ a civilian wildlife protector to upgrade the enforcement function.

(d) Establish a basic program for preservation of archaeological and cultural resources.

(2) Accomplishments were as follows:





- openings.
- (a) Maintained approximately 380 acres of wildlife
  - (b) Planted 246 acres of game food plots.
  - (c) Maintained 12 freshwater ponds for recreation.
  - (d) Maintained 50 nesting boxes for wood ducks.
  - (e) Erected 65 nesting boxes for Eastern bluebirds.
  - (f) Completed marking of all known red-cockaded woodpecker colonies.
  - (g) Protected 22 nests of Atlantic Loggerhead sea turtles at Onslow Beach.
  - (h) Conducted parasite and productivity studies of the base deer herd.
  - (i) Conducted annual wild turkey gobbling counts.
  - (j) Entered into an arrangement with North Carolina State University to provide a study area and certain support for a wildlife graduate student to conduct research on the base bluebird population. This arrangement will likely phase into a formal cooperative wildlife research endeavor within the current fiscal period.
  - (k) Employed a civilian wildlife protector.

c. Environmental, Soil and Water Function.

(1) The objective of this branch is to support operational monitoring requirements for the Utilities Division and to conduct monitoring as required by the NPDES permit. The branch also provides a key role in implementing the soils section of the Base Natural Resource Management Plan. An advisory role concerning base compliance with environmental standards is served by this branch.

(2) Accomplishments were as follows:

- (a) Work was completed on 24 critically eroding sites during the reporting period.
- (b) Eight oil/water separation devices were installed in 1976.
- (c) Surveys were completed that identified oil pollution abatement deficiencies.





(d) A physical science technician was hired to perform EPA required monitoring.

3. Program Background and Ensuing Fiscal Year Objectives.

a. Woodland Management. The Forestry Branch has had a basically sound and conservative management program. Management in the early years consisted mostly of fire protection with a few sales of forest products. Recent harvests have fallen substantially behind allowable yields resulting in overstocked stands, poor age class distribution and a loss in tree growth and vigor. Therefore, an objective for the immediate future is to accelerate harvests and to initiate management actions necessary to insure a continuance of a balanced yield of forest products.

b. Fish and Wildlife Management.

(1) Early wildlife programs at Camp Lejeune sought to maximize production of game species. This direction was modified about ten years ago to provide a broader emphasis to include nongame and endangered species considerations. The habitat diversity concept is the overriding influence in wildlife-forestry interactions.

(2) Additional objectives for the ensuing fiscal year include relocation of wild turkeys to the west shore of New River, an area with declining turkey numbers; formalizing a cooperative wildlife research effort with North Carolina State University; expansion of small game management efforts.

c. Environmental, Soils and Water Function. This branch was developed in 1972 with the consolidation of the laboratory function as a major part of the environmental program. In the current fiscal period several new areas of involvement will become necessary and possibly require increased staffing. The Safe Drinking Water Act, the miscellaneous discharge monitoring requirement of the NPDES permit, annual well analysis, the requirement for monitoring ground water, and an increase in operational type quality control work are under consideration for implementation in July of 1977. It is also likely that plans will be finalized during this period for expanding laboratory facilities.

4. Completed Pollution Abatement Projects.

a. Compliance with state air quality regulations will be achieved with the installation of electrostatic precipitators in 1978.

b. Eight oil/water separators were installed at washracks in the Industrial Area.





c. The Tarawa Terrace Sewage Treatment Plant was upgraded in 1976 to enable more efficient sewage treatment.

d. High liquid alarm systems have been installed at sewage treatment plants and lift stations.

e. Auxiliary standby power has been installed at all sewage treatment plants and lift stations to eliminate by-passing during electrical failures.

f. The Camp Geiger sewage treatment plant is being upgraded to a tertiary treatment capacity.

5. Grounds Maintenance and Insect Vector. Routine grounds maintenance including weed, brush control and grass cutting continued. Road shoulders on Holcomb Boulevard were seeded. Approximately 1,000 flowering trees and shrubs were planted by landscaping personnel. The Insect Vector operation moved to new facilities resulting in a situation where personnel will have more control over storage and handling of pesticides and herbicides.

6. Other Benefits of Woodland Management Operations. All harvest operations impact on other land uses. With the timber prescription review process requiring consideration of all known environmental assets, most harvest operations are beneficial, although there may be some short term adverse effects such as soil disturbance.

7. Harvest of Fish and Wildlife (1976)

a. Type Wildlife Harvested

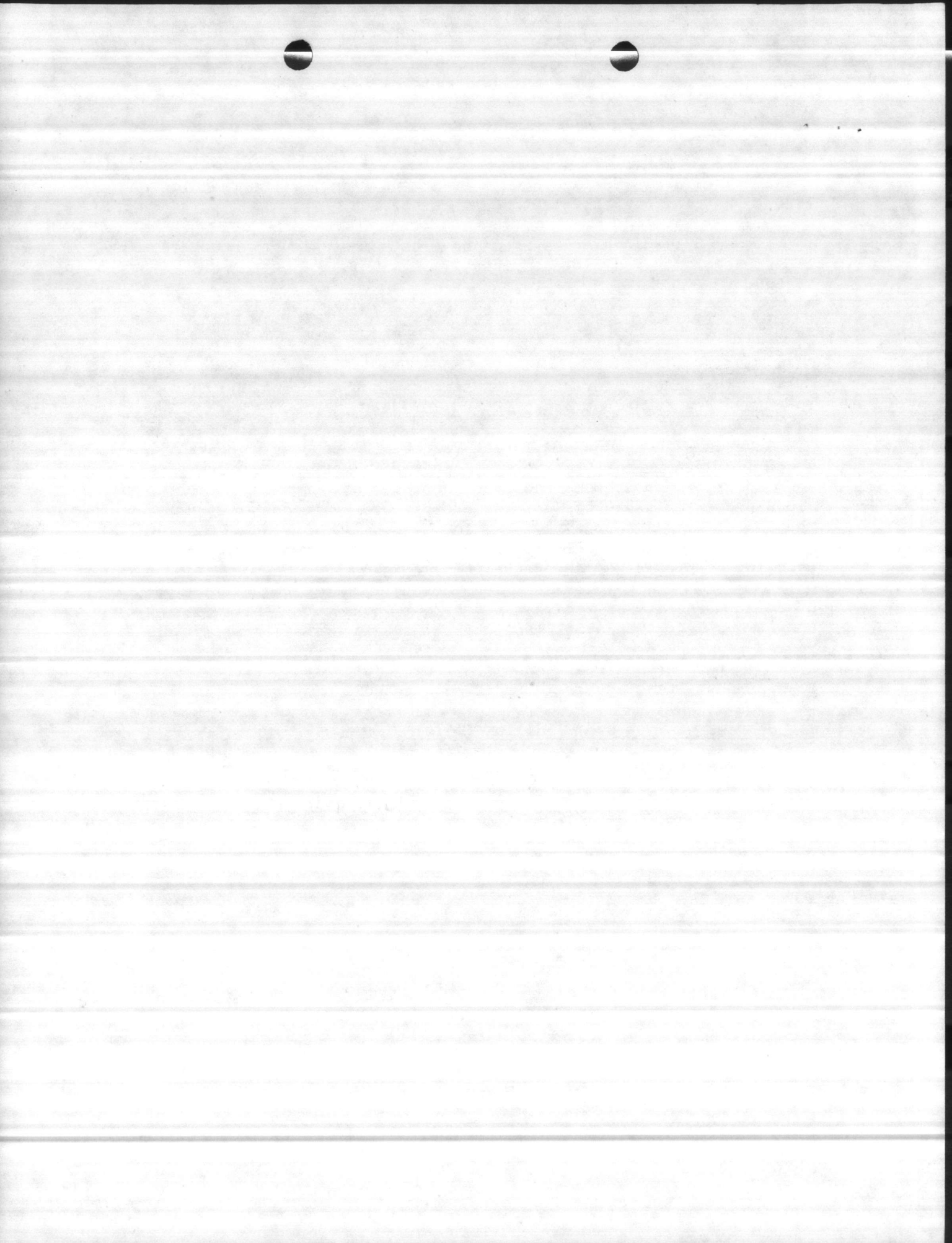
Deer	542
Squirrel	1,993
Rabbit	8
Quail	218
Raccoon	81
Woodcock	11

Turkeys 28

b. Recreational Participation

Hunter trip number	13,994
Total hours hunted	48,022
Fresh and salt water fishing	150,000





c. Hunter Designation

Military trips	7,810
Dependent trips	1,077
Civilian Employee trips	519
Civilian Guest trips	3,448
Organized Hunt trips with dogs	3,750
Individual Hunt trips	10,194

8. Educational Efforts. In 1976 approximately 1,000 Marines were exposed to a slide/lecture presentation on the base environmental program. Approximately fifteen presentations on forestry and wildlife were given to various civic groups and organizations.

9. Recreation.

a. There are two camping and picnic areas available at Camp Lejeune. The Onslow Beach area is scheduled for expansion in 1977.

b. Riding stables are located on Stone Street. Forty-nine rental horses and twelve ponies are available for ring and trail riding. The Base Stables School of Riding conducts three 10-week sessions each year for children and adults in both English and Western style riding.

c. The Base Skeet Range offers recreational shooting to interested individuals.

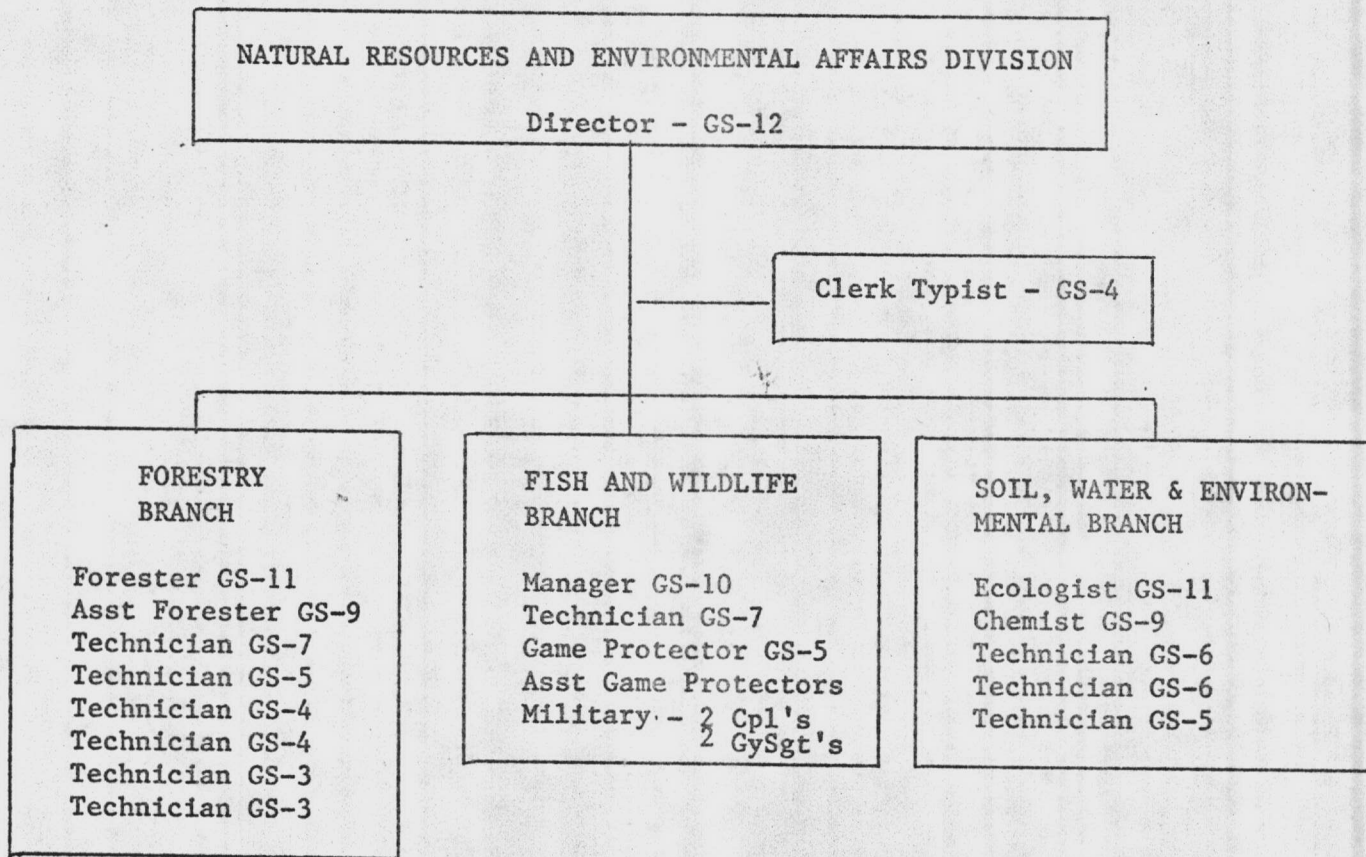
d. There are two marinas that provide boats, outboard motors, sailboats and canoes to assigned personnel.

e. Two 18-hole golf courses are available in the Paradise Point Area with the services of a golf professional, pro shop, driving range and Marine Corps Exchange snack bar.

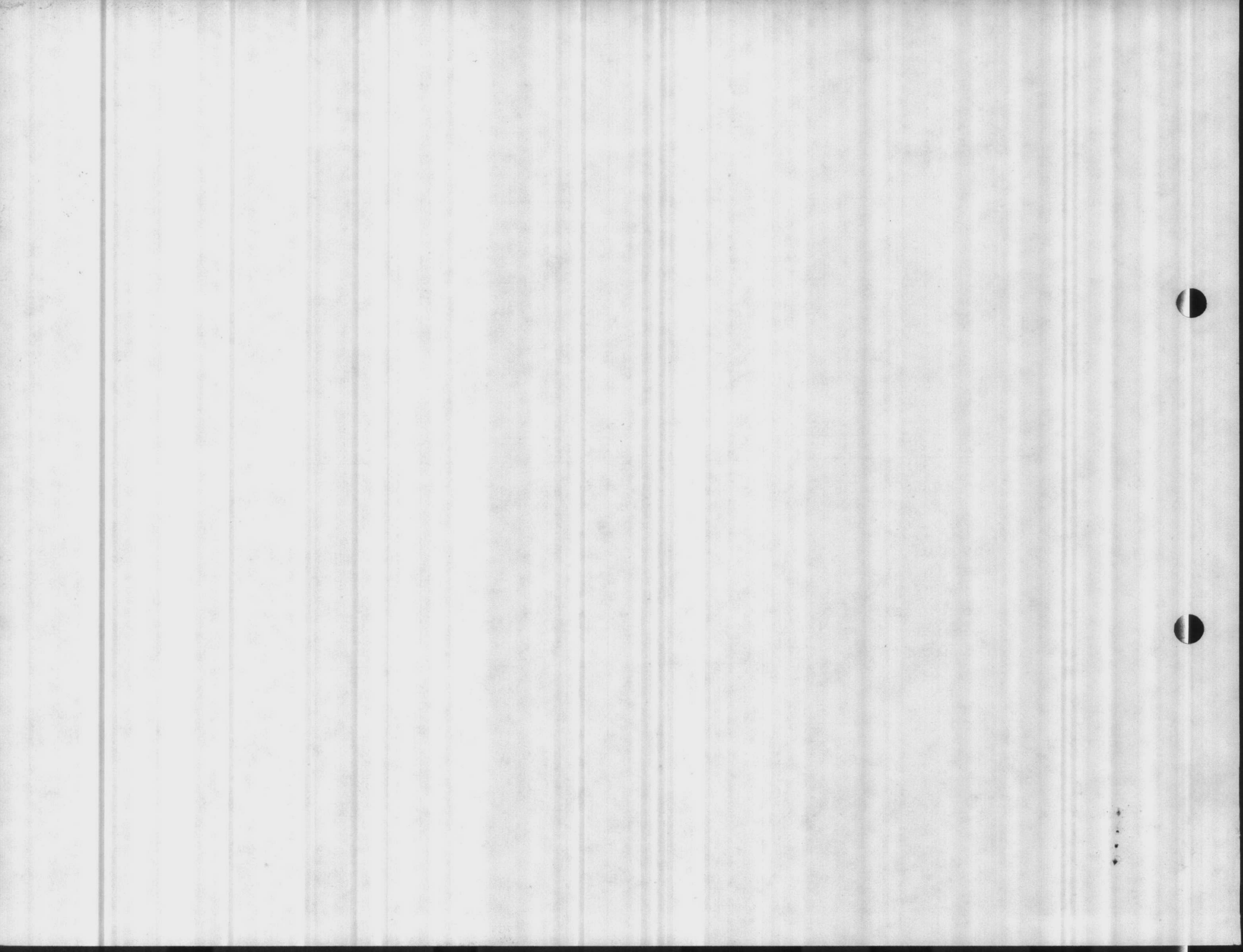




10.







MAIN/WAN/th  
11000  
6 August 1976

From: Commanding General  
To: Commandant of the Marine Corps (Code IFF-2)  
Subj: Natural Resources Statistical Report  
Ref: (a) MCC P11000.8A  
Encl: (1) FY 1976 Natural Resources Statistical Report

1. In compliance with reference (a), enclosure (1) is forwarded

C. D. WOOD  
By direction





✓  
FY 1976 NATURAL RESOURCES STATISTICAL REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.

PART I - SOIL AND WATER CONSERVATION

1. Natural Resources Management Plan

a. Date prepared 18 April 1975

b. Is plan current (yes)

2. Soil Survey Report

a. Acres completed 86,695

b. Date prepared 18 April 1975

3. Cooperative Agreement

a. Agency Onslow Soil and Water Conservation District

b. Date prepared 1 August 1974

c. Is agreement current (yes)

4. Land Utilisation (Acres)

a. Improved grounds 8,362

b. Semi-improved grounds 5,014

c. Unimproved grounds 73,319 (Total of (1)-(7))

(1) Woodland 60,093

(2) Agric. outlease 0

(3) Impact areas 5,117

(4) Roadside zones and streams 2,523

(5) Wildlife Foodplots 285

(6) Coastal Beach 1,615

(7) Tidal Marsh 3,326

5. Land Use Conversion -- None

6. Agricultural Outlease -- None



7. Special Conservation Problems Corrected

a. Camp Johnson

- (1) Site No. 3\*
- (2) Cost - \$494
- (3) Fund Source - O & M

b. Camp Johnson

- (1) Site No. 7\*
- (2) Cost - \$1,316
- (3) Fund Source - O & M

c. Camp Johnson

- (1) Site No. 9\*
- (2) Cost - \$1,109
- (3) Fund Source - O & M

d. Paradise Point

- (1) Site No. 29\*
- (2) Cost - \$3,471
- (3) Fund Source - O & M

e. Marine Road

- (1) Site No. 55\* & 56\*
- (2) Cost - \$663
- (3) Fund Source - O & M

f. Bearhead Creek

- (1) Site No. 23\*
- (2) Cost - \$357
- (3) Fund Source - O & M

\*(See special treatment areas - Management Plan)





g. Hospital Point

- (1) Site No. 29\*
- (2) Cost - \$524
- (3) Fund Source - O & M

h. Industrial Area

- (1) Site No. 31\*
- (2) Cost - \$751
- (3) Fund Source - O & M

i. Frenchs Creek

- (1) Site No. 37\*
- (2) Cost - \$430
- (3) Fund Source - O & M

j. Industrial Area

- (1) Site No. 42\*
- (2) Cost - \$1,442
- (3) Fund Source - O & M

k. Sneads Ferry Road (OP-5)

- (1) Site No. 44\*
- (2) Cost - \$2,300
- (3) Fund Source - O & M

l. Lyman Road (OP-2)

- (1) Site No. 120\*
- (2) Cost - \$763
- (3) Fund Source - O & M





8. Activity Projects Completed

a. Project #1

- (1) Erosion Control
- (2) Fund Source - O & M
- (3) Replace sand and sod
- (4) Cost - \$1,980

b. Project #2

- (1) Drainage and erosion control in Base Housing Areas
- (2) Fund Source - HA
- (3) Flood and erosion control
- (4) Cost - \$93,350

c. Project #3

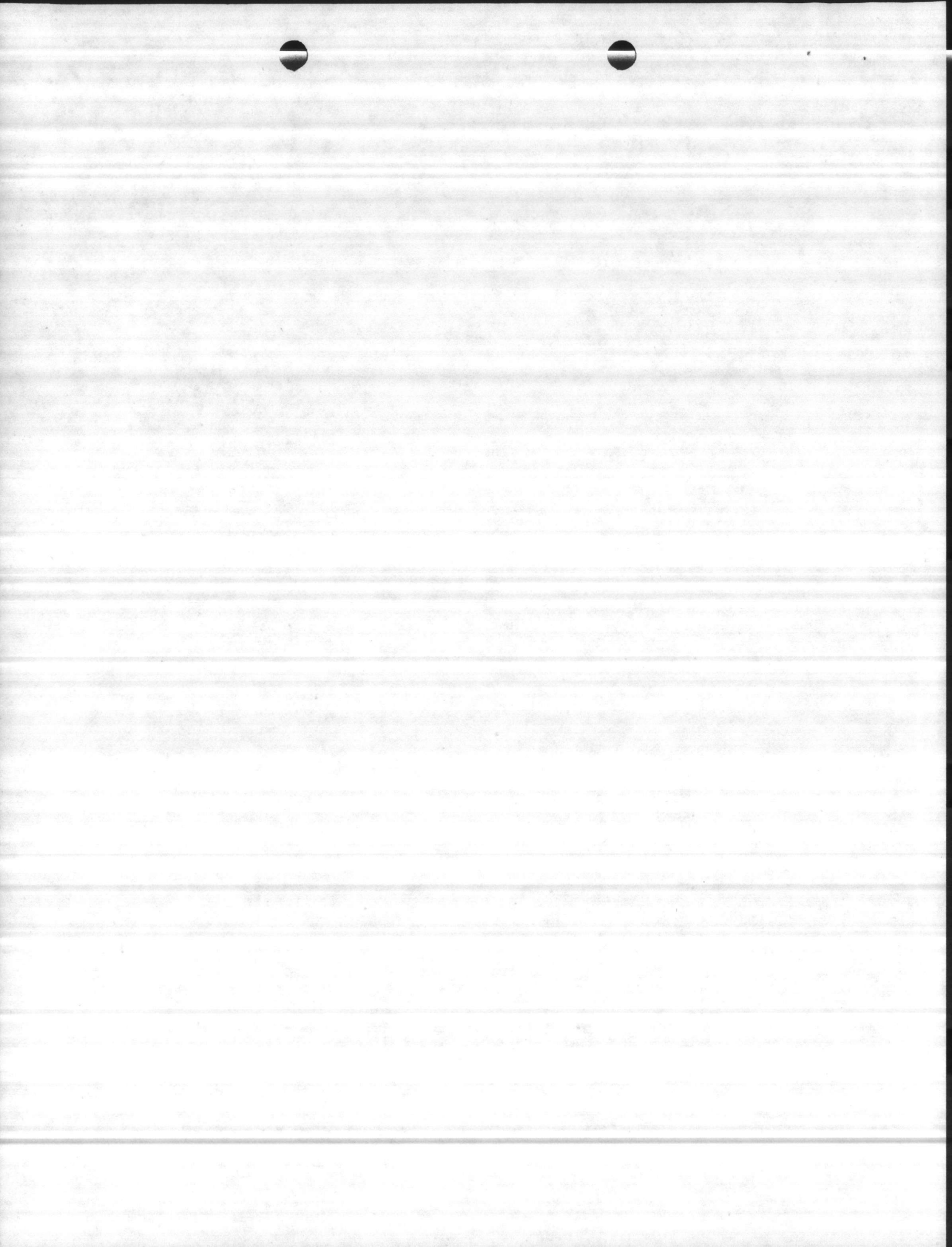
- (1) Base-wide drainage and erosion control on tank trails, roads, streets, ditches, etc.
- (2) Fund Source - O & M
- (3) Flood and erosion control
- (4) Cost - \$57,985

d. Project #4

- (1) Base-wide special areas for weed control
- (2) Fund Source - O & M
- (3) Completion required for undesirable vegetation control around transformer stations, fences, etc.
- (4) Cost - \$7,500

e. Project #5

- (1) Clean-up after contingency oil spills
- (2) Fund Source - O & M
- (3) Pollution Abatement - Pumping oil out of drainage ditches, covering oil with sand, replacement of contaminated soil, regrading and seeding areas.



(4) Cost - \$2,700

f. Project #6

(1) Landscaping shrubbery maintenance

(2) Fund Source - HA

(3) Planting trees, shrubs, and flowers

(4) Cost - \$45,000

g. Project #7

(1) Tree Pruning

(2) Fund Source - O & M

(3) Remove dead trees around buildings, prune shrubbery,  
trim trees and landscaping

(4) Cost - \$40,000





PART II -- FOREST RESOURCE MANAGEMENT REPORT FY 76

1. Total Acres of Managed Woodland 62,382
2. Professional Forester Time Used 24 (man-months)
3. Long-Range Forest Management Plan
  - a. Date prepared 18 April 1975
  - b. Date last revised April 1976
  - c. Date scheduled for next revision April 1977
  - d. Has annual work plan or increment been prepared for next fiscal year? yes
4. Timber Harvests
  - a. Acres harvested 725
  - b. Sawtimber 5,554,476 vne bd. ft.
  - c. Pulpwood 15,133 vne cords
  - d. Poles and pilings --- bd. ft.
  - e. Other 21,948 hwd. bd. ft.  
122.7 hwd. cords
  - f. Gross expenses \$ 48,315.27
  - g. Gross proceeds \$ 319,303.31
5. Timber Stand Improvement
  - a. Acres 61
  - b. Gross expenditure \$ 8,008.50
6. Reforestation
  - a. By tree planting 350 acres. By direct seeding --- acres.  
By regeneration --- acres. By site preparation 500 acres.
  - b. Windbreaks and shelterbelts --- acres
  - c. Gross expenditures \$ 72,627.10





7. Fire Protection

- a. Acres protected 69,140
- b. Forest fire lanes: Miles constructed 50 Miles maintained 20
- c. Acres controlled burned 7,312 (and ranges)
- d. Gross expenditures \$ 32,617.05

8. Timber Access Roads

- a. Miles constructed
- b. Miles maintained 10
- c. Gross expenditures \$ 5,958

9. Natural Beauty

a. Approximately two miles of river shore was not logged both to improve aesthetic value and reduce the erosion possibilities.

b. Approximately fifty miles of fire lines were plowed to prevent prescribed fire from burning in hardwood areas which will increase the size and aesthetic value of hardwood areas.

10. Administrative Management Costs \$ 43,896.78 (includes all program costs not included in items 5 through 9, preceding)

11. Total Program Expenditures \$ 211,923

12. Estimated Value of Lumber Products Harvested and Used on Installation \$ 5,000



PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity,

Marine Corps Base, Camp Lejeune, North Carolina.

2. Cooperative Management Plan

Date completed 18 April 1975.

3. Extent of Land and Water Areas in the Fish and Wildlife Program

Land acreage	<u>71,303</u>	
Water acreage	<u>26,000</u>	
Miles of stream	<u>80</u>	
Miles of shoreline	<u>21</u>	(Marine)
	<u>122</u>	(Stream and Bay)

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>	
For fishing	<u>A</u>	
For other outdoor recreation	<u>B</u>	(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

5. Estimated Number of Visitors Granted Access for:

Hunting	<u>1,159</u>
Fishing	<u>25,000</u>
Other outdoor recreation	<u>0</u>
Total	<u>26,159</u>

6. Problems and Potential Problem Areas. Funds collected from permit sales at present rates are not sufficient to maintain ongoing wildlife projects. Labor and material costs have continued to increase since permit fees were last increased during FY-69. Slight modification was necessary near completion of FY-76 to provide necessary funds for next fiscal year prior to collection of fees for hunting.





7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.

8. Itemized Expenditure of Funds Derived from Fees Collected.

<u>Project</u>	<u>Expenditure</u>	
a. Planted 36 2-acre plots in rye for deer and wild turkey -		
Labor	\$1,488	
Equipment	1,080	
Total		\$2,568
b. Planted 30 2-acre plots in rye for deer and wild turkey -		
Labor	1,028	
Equipment	108	
Total		1,136
c. Planted 54 1-acre plots for small game -		
Labor	827	
Equipment	362	
Total		1,189
d. Planted 60 1-acre plots for wild turkey -		
Labor	827	
Equipment	362	
Total		1,189
Total		<u>\$6,092</u>

Note: Materials budgeted for fish management and endangered species protection were expended from other funds.

9. Itemized Expenditures, Other Than Fees, for Fish and Wildlife Enhancement Efforts.

a. Wildlife Food Plantings (Materials, seed, and fertilizer)	\$4,144
b. Endangered Species Management (Materials)	148
c. Fish Management (Materials, fertilizer, lime, fish food)	548
Total	<u>\$4,840</u>







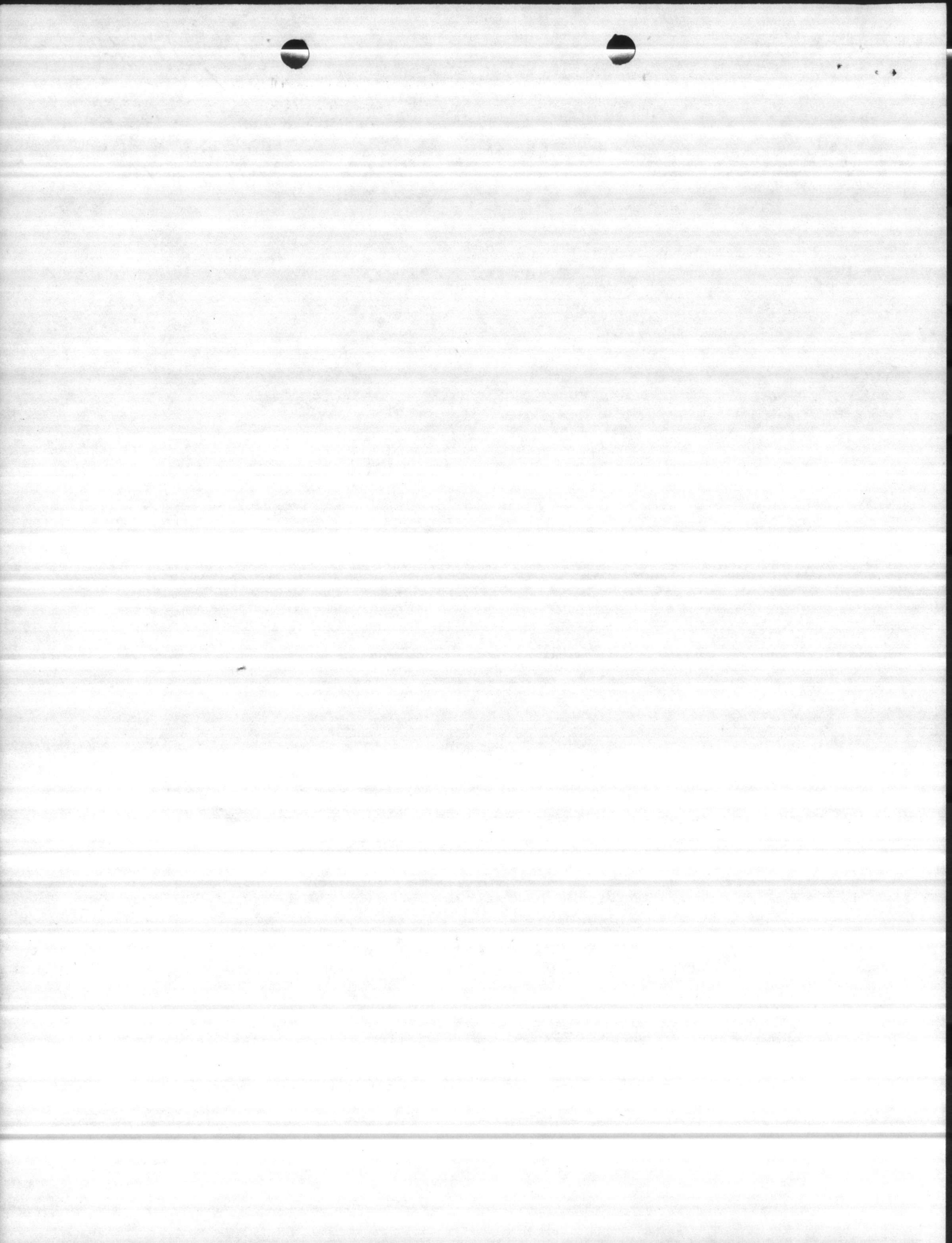
UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542

*Wildlife  
file copy*  
IN REPLY REFER TO  
MAIN/CFR/th  
11000  
17 Aug 75

From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-2)  
Subj: Natural Resources Statistical Report  
Ref: (a) MCO P11000.8A  
Encl: (1) FY 1975 Natural Resources Statistical Report  
1. In compliance with reference (a), enclosure (1) is forwarded.

E. A. VOM ORDE, JR.  
By direction

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FY 1975 NATURAL RESOURCES STATISTICAL REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.  
PART I - SOIL AND WATER CONSERVATION

1. Natural Resource Management Plan
  - a. Date prepared: 18 April 1975
  - b. Plan is current
2. Soil Survey Report
  - a. Acres completed: 86,695
  - b. Date prepared: 18 April 1975
3. Cooperative Agreement
  - a. Agency: Soil Conservation Service
  - b. Date prepared: 1 August 1974
  - c. Agreement is current
4. Land Utilization (Acres\*)

a. Improved grounds	8,362
b. Semi-improved grounds	5,014
c. Unimproved grounds	
(1) Woodland	60,093
(2) Roadside Zones & Streams	2,523
(3) Tidal Marsh	3,326
(4) Coastal Beaches	1,645
(5) Wildlife Food Plots	285
(6) Impact Areas	5,447
(7) Total	73,319
d. Total Land Area	86,695

\*Acreages for Marine Corps Air Station, New River & Helicopter  
Outlying Landing Field, Oak Grove are included





5. Land Use Conversion

a. Area #1

(1) From S to U - 42 acres

(2) Annual monetary savings - None

(3) This acreage was a former dump and landfill area. Pine trees were planted to establish cover and prevent erosion.

b. Area #2

(1) From I to U - 11 acres

(2) Annual monetary savings - \$392

(3) This area formerly was covered in grass that required mowing. Pine trees were planted to reduce maintenance cost, provide a screen and improve wildlife habitat.

c. Area #3

(1) From U to S - 86 acres

(2) Estimated monetary savings - Negative

(3) This area was formerly a natural woodland area. It consists of a 100 foot right-of-way for a 230 KV transmission line extending from Midway Park to Hadnot Point area. Income from clearing the timber amounted to \$36,600.

6. Agricultural Outleases - None

7. Special Conservation Problems Corrected

a. Area #1

(1) Site No. 12 (See special treatment areas-Management Plan)

(2) Cost - \$50

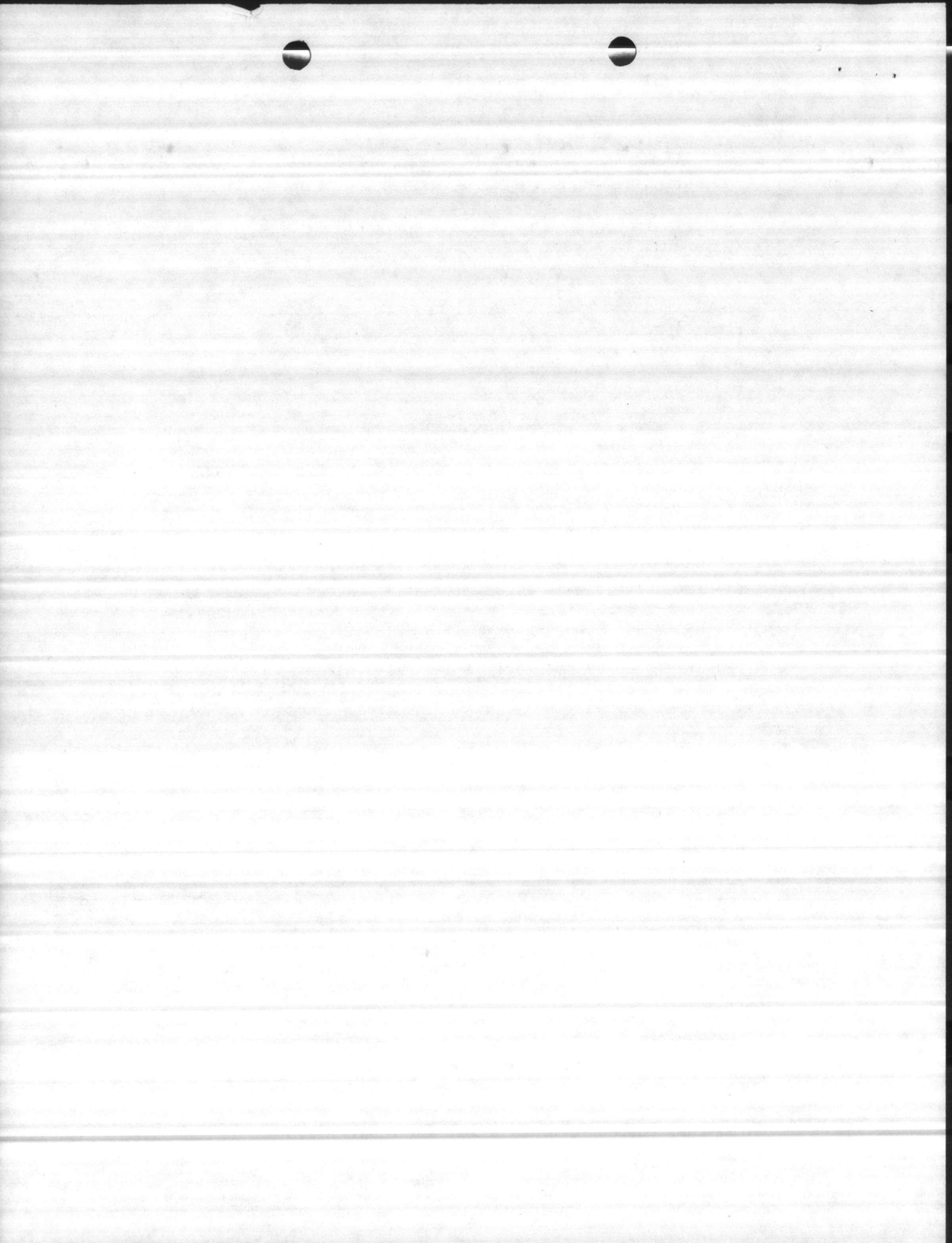
(3) Fund source - O & M

b. Area #2

(1) Site No. 21 (See special treatment areas-Management Plan)

(2) Cost - \$1,600

(3) Fund source - 64002 (Wildlife Fund)





8. Activity Project Completed

a. Project #1

(1) Constructed earth dike, installed drain line and valves at oil storage facilities near Bldg-362 at Camp Geiger

(2) Fund source - O & M

(3) Pollution abatement - for compliance with Spill Prevention, Containment and Countermeasure Plan

(4) Cost - \$1,919

b. Project #2

(1) Correct erosion and drainage on various tank trails

(2) Fund source - O & M

(3) Flood and erosion control

(4) Cost - \$3,314

c. Project #3

(1) Base-wide drainage and erosion control projects

(2) Fund source - O & M

(3) Completion required use of dragline for cleaning out ditches and waterways for proper drainage for mosquito control

(4) Cost - \$ 22,219

d. Project #4

(1) Base-wide special areas for weed control

(2) Fund source - O & M

(3) Completion required for undesired vegetative control around transformer station, fences, etc.

(4) Cost - \$11,834

e. Project #5

(1) Clean up after contingency oil spills

(2) Fund source - O & M

(3) Pollution abatement - pumping oil out of drainage ditches, covering oil with sand, replacement of contaminated soil, regrading and reseeding areas.

(4) Cost - \$2,516



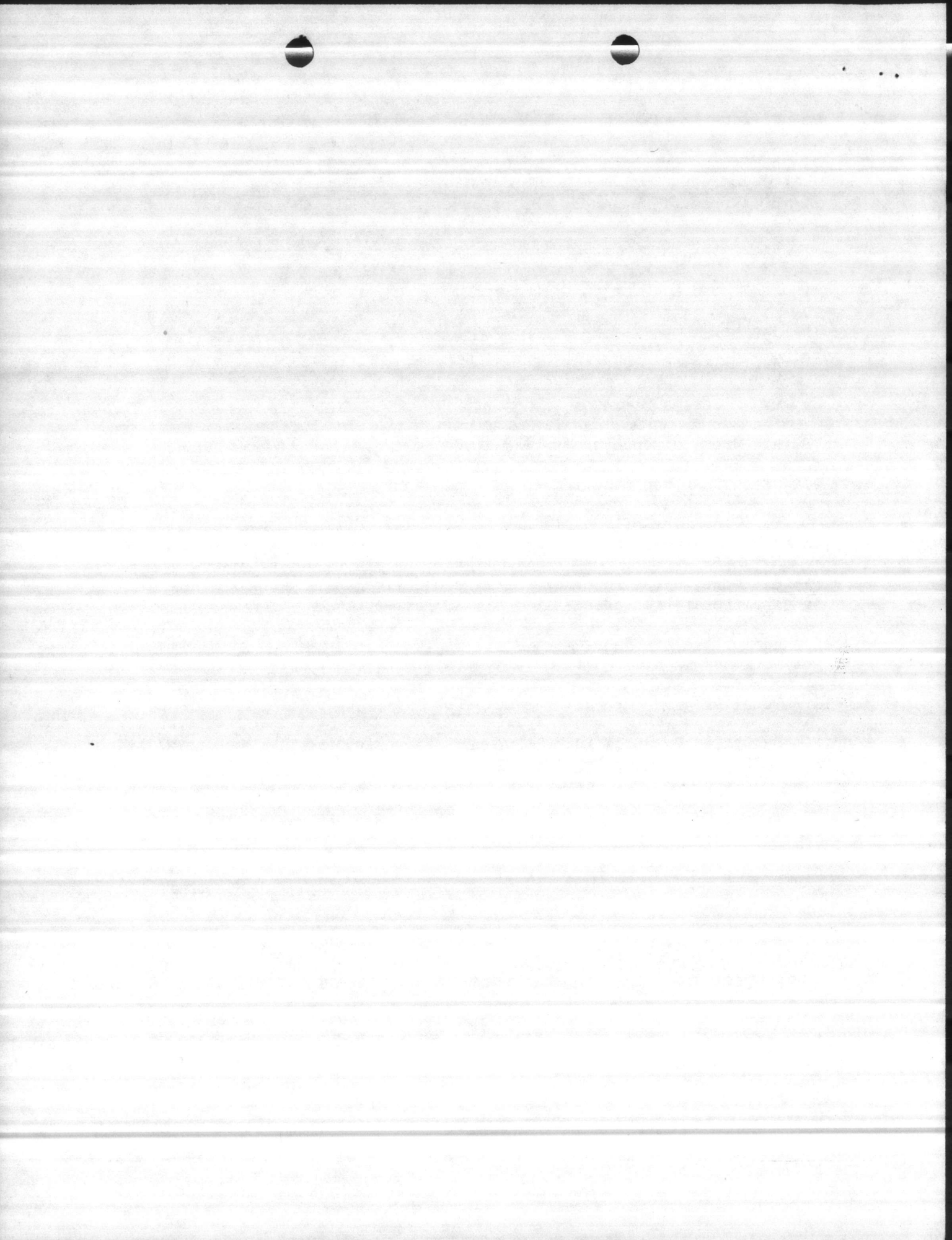
PART II - FOREST RESOURCE MANAGEMENT REPORT FY 75

1. Total Acres of Managed Woodland: 62,583
2. Professional Forester Time Used: 19 (man-months)
3. Long Range Forest Management Plan
  - a. Date prepared: 18 April 1975
  - b. Date last revised: None
  - c. Date scheduled for next revision: April 1976
  - d. Has annual work plan or increment been prepared for next fiscal year: Yes
4. Timber Harvests
  - a. Acres harvested: 1,650
  - b. Sawtimber: 9,295,558 bd. ft.
  - c. Pulpwood: 33,823 cds.
  - d. Poles and piling: 0 bd. ft.
  - e. Others: 0
  - f. Gross expenses: \$46,100
  - g. Gross proceeds: \$1,141,137.40
5. Timber Stand Improvement
  - a. Acres: 8,878 prescribe burned - This figure is included in item #7.
  - b. Gross expenditures: Cost of prescribed burning is included in item #7.
6. Reforestation
  - a. By tree planting 285 acres. By natural regeneration under seed trees after site preparation 275 acres. Acres receiving mechanical site preparation 1,058 acres.
  - b. Windbreaks and shelterbelts 0 acres
  - c. Gross expenditures: \$67,300





7. Fire Protection
  - a. Acres protected: 69,140
  - b. Forest fire lanes: Miles constructed 30.5 Miles maintained 15.0
  - c. Acres controlled burned: 8,878 acres (Plus all Ranges)
  - d. Gross expenditures: \$19,100
8. Timber Access Roads
  - a. Miles constructed: 8 miles
  - b. Miles maintained: 10 miles
  - c. Gross expenditures: \$2,210.00
9. Operations contributing to Natural Beauty
  - a. Two miles of roadside zones were left during timber harvest to enhance natural beauty.
  - b. Forty acres in clumps of hardwood, including dogwood, were left in site preparation areas after timber harvest.
10. Administrative Management Costs \$42,800 (Includes all program cost not included in items 4 through 9, preceding)
11. Total Program Expenditures \$177,500
12. Estimated Value of Lumber Products Harvested and Used on Installation \$2,000.00





PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity: Marine Corps Base, Camp Lejeune, North Carolina
2. Cooperative Management Plan: Date Completed - 18 April 1975
3. Extent of Land and Water Areas in the Fish and Wildlife Program

Land Acreage	71,303
Water Acreage	26,000
Miles of Stream	80
Miles of Shoreline	21 Marine, 122 Stream & Bay

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed (Specify whether for hunting, fishing, or other.)

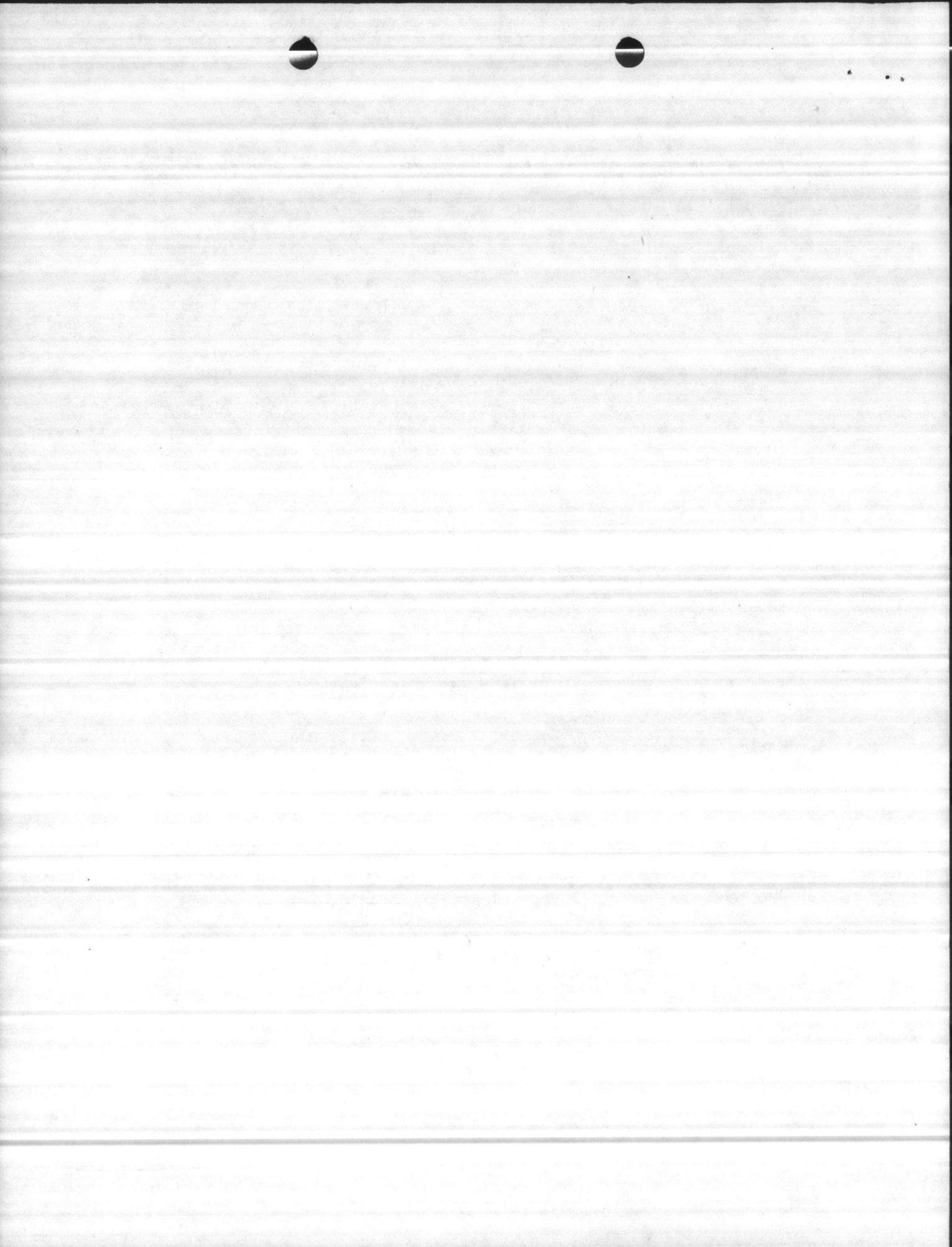
For hunting	<u>A</u>	
For fishing	<u>A</u>	
For other outdoor recreation	<u>B</u>	(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; <u>not</u> swimming pools, ball parks, golf courses, etc.)

5. Estimated Number of Visitors Granted Access for:

Hunting	3,498 (man-days)
Fishing	29,460 (man-days)
Other outdoor recreation	0
Total	32,958

6. Problems and Potential Problem Areas: None

7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.



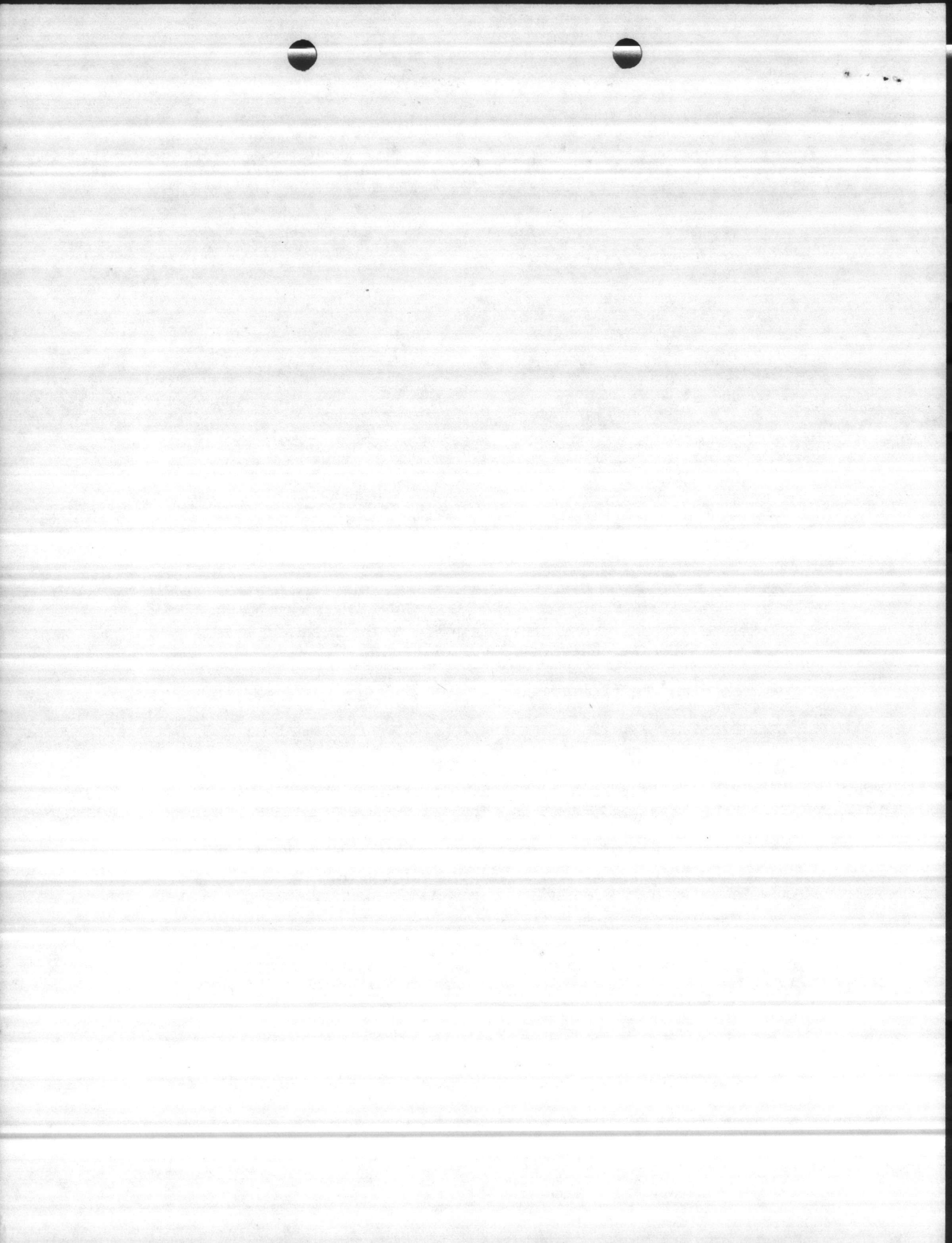
8. Itemized Expenditure of Funds Derived from Fees Collected.

<u>Project</u>	<u>Expenditure</u>	
A. Planted 58 2-acre plots in rye for deer and turkey -		
Labor	\$3,143	
Equipment	1,211	
Total		\$4,354
B. Planted 59 1/4-acre food strips for small game -		
Labor	\$ 874	
Equipment	336	
Total		\$1,210
C. Planted 30 1-acre strips for wild turkey -		
Labor	\$ 794	
Equipment	297	
Total		\$1,091
D. Material for Endangered Species Management	\$ 59	
Total		<u>\$6,714</u>

9. Itemized Expenditures, Other than Fees, for Fish and Wildlife Enhancement Efforts. (Special Services Funds)

A. Seed and Fertilizer	\$3,489
B. Plant materials and nesting boxes for nongame species management	\$ 169
C. Material and equipment for protecting nesting habitat of endangered species	\$ 399
D. Wild turkey banding study	\$ 47
E. Fish pond management	<u>\$ 770</u>
Total	<u>\$4,874</u>







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

IN REPLY REFER TO

15G/CFR/th  
11000  
14 Aug 1974

From: Commanding General  
To: Commandant of the Marine Corps (Code LFF-2)  
Subj: Natural Resources Summary and Statistical Reports  
Ref: (a) MCO P11000.8  
Encl: (1) FY 1974 Natural Resources Summary Report  
(2) FY 1974 Natural Resources Statistical Report

1. In compliance with reference (a), enclosures (1) and (2) are forwarded.

E. A. VOM ORDE, JR.  
By direction





FY 1974 NATURAL RESOURCES SUMMARY REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.

1. Military Mission and Population. The mission of Marine Corps Base, Camp Lejeune is to:

a. Provide housing, training facilities, logistic support, and certain administrative support for Fleet Marine Force Units and other units as assigned.

b. Conduct specialized schools and other training as directed.

c. Receive and process personnel as assigned and conduct individual combat training as directed.

Population: Military - approximately 27,000, military dependents on and off Base - 30,000 and civilian employees including non-appropriated funds - 4,500.

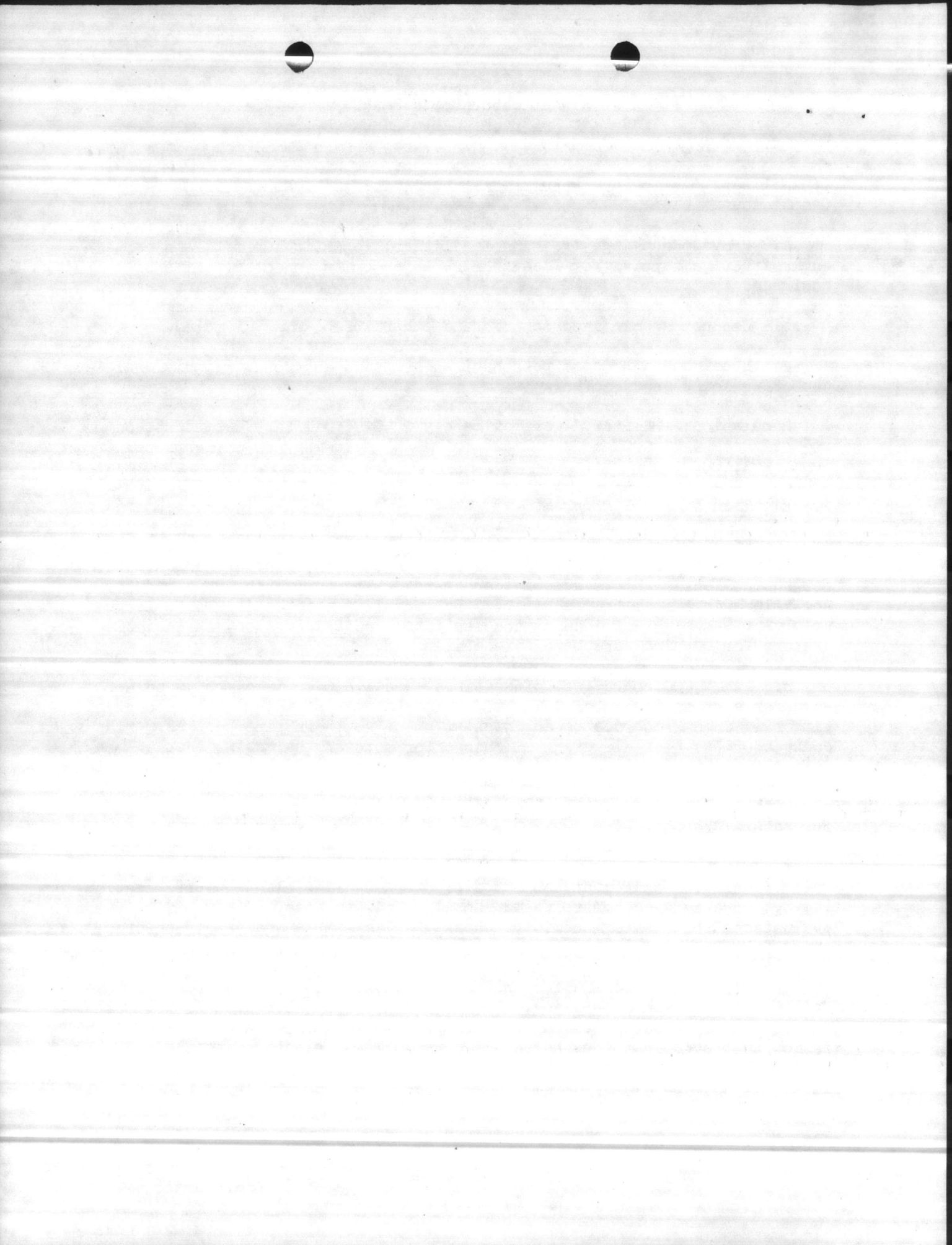
2. Highlights of the Program.

a. Eight 45 cubic yard containers with compactors were installed in April and May at strategic locations such as commissaries, exchanges, etc. for the collection of recyclable cardboard. The compacting unit reduces the volume on a four to one ratio. By recycling this cardboard, a large volume of waste was avoided at the sanitary landfill. Also, three incinerators for burning cardboard were eliminated.

b. 4,477,000 board feet of sawtimber and 8,410 cords of pulpwood were sold for a gross income of \$732,760. The harvest of this stated amount of timber is incomplete due to an infestation of southern pine beetles. The contractor has been directing all his efforts toward salvaging beetle infested timber. All field and office work has been completed for updating the forest management plan. Reforestation was completed on 238 acres by planting loblolly and slash pine seedlings and 271 acres were site prepared for natural regeneration.

c. Eleven fresh water ponds totaling 33 acres were managed for fresh water fishing. Management consisted of stocking fingerlings, fertilization, liming, aquatic weed control, and shoreline maintenance. Productivity was evaluated through water chemistry checks, seine sample analysis, and creel census checks.

d. Fifty-six wildlife food plots were planted to rye and wheat in the fall to provide winter grazing. Chufas, millet and other annuals were planted in portions of these plots in the spring. Portions of each plot were left fallow to provide nesting and escape cover. These plantings totaled 132 acres. Fifty-four quarter-acre plots were planted to annuals and perennials in the 1,300 acre small game management area.



e. Ten miles of access roads were planted to lespedeza, fescue and bahia grass. These plantings provide food for wildlife, improve "edge" effects, help maintain roads and provide access for human use. Ten wetland sites were seeded to jungle rice for waterfowl as an experimental project in cooperation with the U. S. Soil Conservation Service.

f. Seventy-two wild turkeys were trapped in a cooperative project with the North Carolina Wildlife Resources Commission. Thirty of these birds were released on National Forest Service Game Lands at three locations in North Carolina. Thirty-two birds were banded and released on the Base in the initial phases of a banding study.

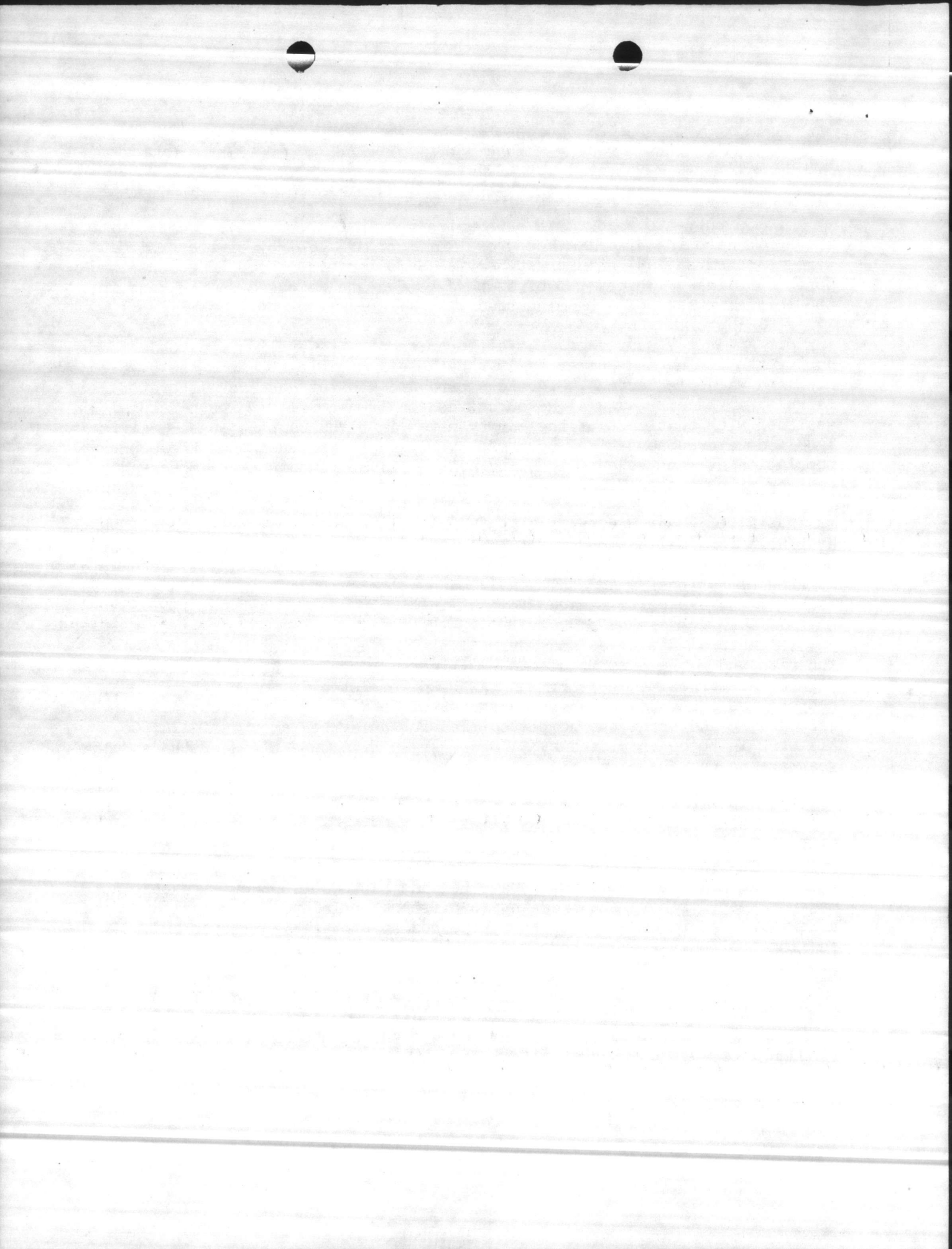
g. An osprey survey of coastal North and South Carolina was conducted during the Spring and Summer of 1974 by Research Biologist from the U. S. Fish and Wildlife Service, Migratory Bird and Habitat Research Laboratory, Laurel, Maryland. Natural Resources and Environmental Affairs personnel assisted with that part of the survey which involved Camp Lejeune. Air, land and water observations were made. It was determined that the osprey population at Camp Lejeune is doing quite well as 51 pairs were observed at nesting sites aboard Base.

h. A wild honeybee project was begun this year to help make more insects available for pollination of flowers. Five hollow trees containing honeybees have been located and marked so they will not be accidentally cut during logging operations. An additional seven colonies have been put in standard beehives and are being managed for pollination purposes.

3. The Natural Resources and Environmental Affairs Division continues to function under the Base Maintenance Officer. The Long Range Multiple Use Natural Resources Management Plan has been completed in the rough. By cooperative agreement the Soil Conservation Service will complete all cartography and print the completed plan for an agreed amount of \$14,000. All work is to be completed by 31 December 1974. Objectives of the ensuing year are to put the plan into operation and carry out the program as submitted in the Annual Operational Plan.

4. Pollution from oil continues to be a potential problem as large quantities of petroleum products are delivered daily to the Base by truck or rail. The fuel is stored in underground tanks and in properly diked surface tanks and fuel bladders. Camp Lejeune has been fortunate in that no major oil spills have occurred in its offshore or inland waterways; however, a few minor accidental spills have occurred at storage facilities and re-fueling stations. Steps have been taken to eliminate the problem. Other minor oil spills have occurred around maintenance areas, motor pools, etc. In an effort to eliminate the problem, approximately 40 waste oil storage tanks have been modified and installed at different locations for utilization at the unit level. Time has been spent with each unit informing personnel of ways to reduce oil spillage in their respective areas.





Oil contaminated soil in various locations has been replaced with new soil, reseeded, and landscaped. Further work is planned in the future to improve appearance of the grounds around maintenance buildings, motor pools, etc.

In the past, most of the waste oil collected at Camp Lejeune was used for dust control on unpaved roads and parking lots. This practice has been approved by the Environmental Protection Agency. A 272,000-gallon tank is now available for storing excess waste oil that is needed for dust abatement. Approximately 29,000 gallons have been stored in the tank. This excess oil is expected to be used for heating fuel or reclamation.

Camp Lejeune has a boat, oil skimmer, vacuum truck, sorbent mats, straw, and other equipment that can be used to contain and clean up oil spills. This equipment is located at Base Maintenance and, upon notification, can be transported to the site of an oil spill. Also, 600 feet of oil containment boom is on order.

Beginning in January 1974, the educational process is being used in an effort to promote the pollution abatement program. Classroom time was granted for a slide/lecture presentation on the environment to be routinely included as a part of the Motor Transport School Company, Montford Point, student training program. The Base Ecologist gives the presentations with special emphasis being placed on oil pollution. By making each student more aware of environmental problems, it is hoped more desirable habits and attitudes will be developed, resulting in better Marines and eventually better citizens. To date, approximately 600 students have attended the lecture.

5. Lawns at a maximum height of three inches were maintained on 1,868 acres and five acres of lawn were renovated. Herbicide was sprayed on 325 acres for weed and brush control. Approximately 2,100 flowering trees, shrubs and plants were planted in support of the Base beautification program.

6. Woodland management operations were carried out by the Forestry and Wildlife Branches in accordance with multiple use objectives. In conjunction with regular timber harvest program, to preserve the natural beauty of the Base, buffer strips varying in width from 100' to 200' were left around timber operations adjacent to main highways, recreation areas, built up areas and waterways. Clumps of hardwood, especially dogwood, are preserved in cut over areas to enhance natural beauty and maintain a habitat for wildlife.

Prescribed burning, an important facet of woodland management in this area, was very successful this year. Ideal burning weather prevailed through January and February. As a result, 16,100 acres were burned in a most satisfactory manner.

In addition to the regular wildlife food plot plantings, ten miles of forest access roads were planted to lespedeza, fescue and bahia grass. These plantings provide food for wildlife, improve "edge" effects and help stabilize the road bed.

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and eventually better  
ended the lecture.

... on 1,600 acres  
... on 350 acres  
... trees, shrubs  
... ..



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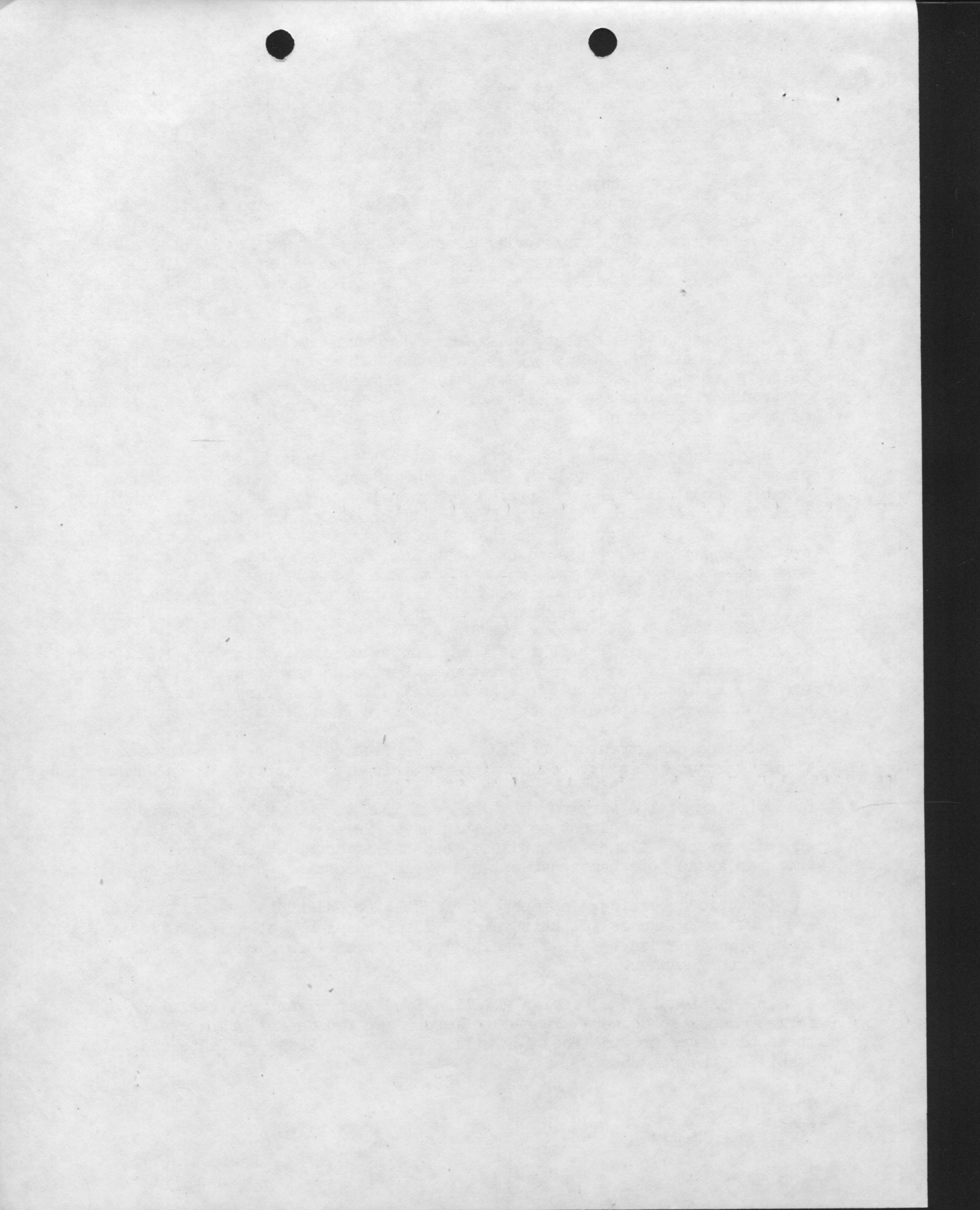
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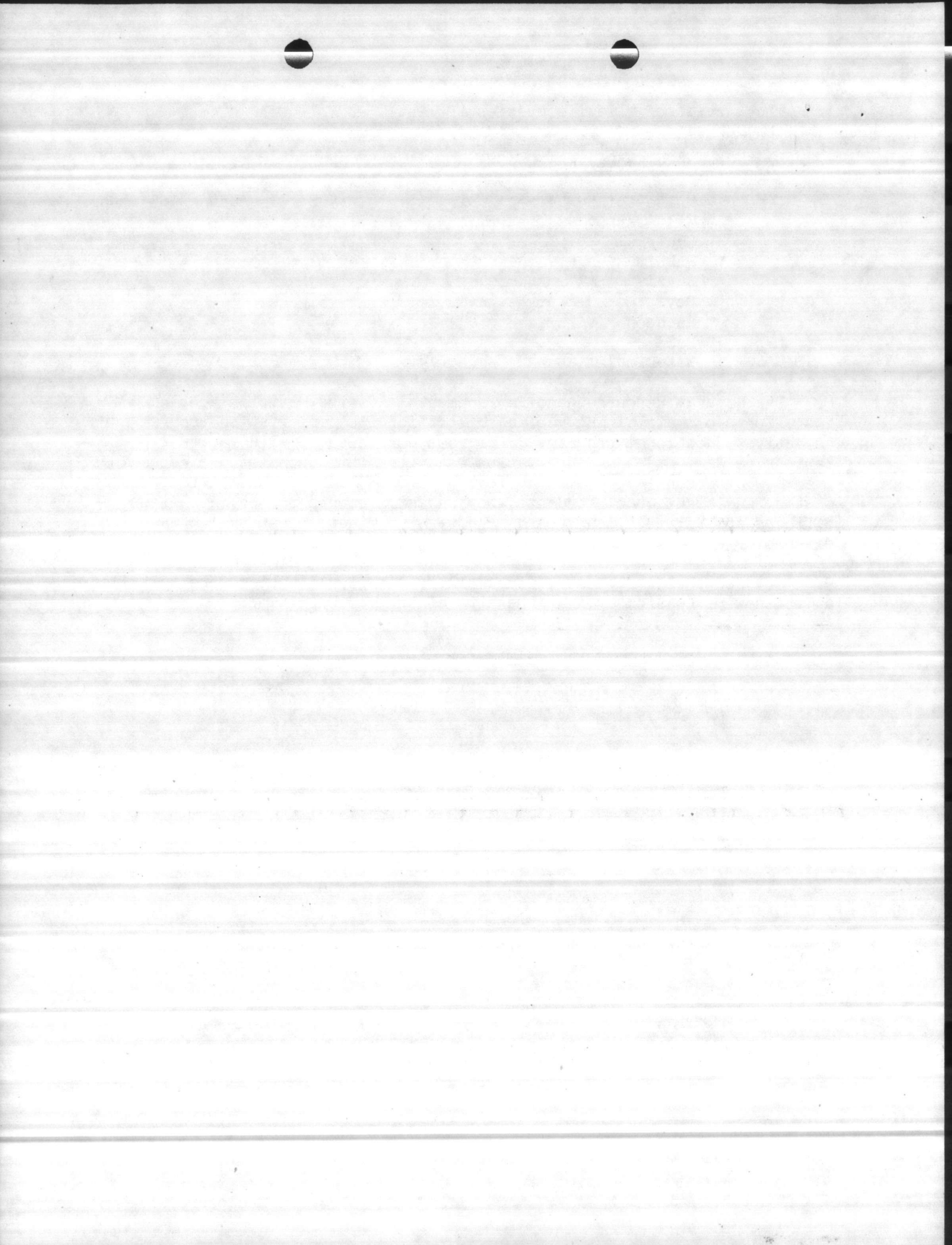
7. The harvest of wildlife species is listed as follows:

<u>SPECIES HARVESTED</u>	<u>NUMBER</u>
White-tailed Deer	568 (Including 183 either-sex)
Wild Turkey	11
Squirrel	2,487
Rabbit	11
Quail	69
Dove	51
Raccoon	188
Rail	87
Waterfowl	700 (Estimated)

8. The Natural Resources and Environmental Affairs Division continued in its efforts of maintaining public support for its conservation program through an active educational program. Programs consisted of slide/lecture presentations on Camp Lejeune conservation practices which consisted of speaking to over 2,000 persons approximately forty hours. Audiences consisted of elementary and high school students, boy and girl scouts troops, civilians, officers and enlisted men aboard Base. A 25 minute presentation was also given over WNBE-TV concerning the Camp Lejeune Conservation Program.

9. Covered shelters, heads, fire grills, and picnic tables were installed at the new recreation area at the site of the old burn dump.

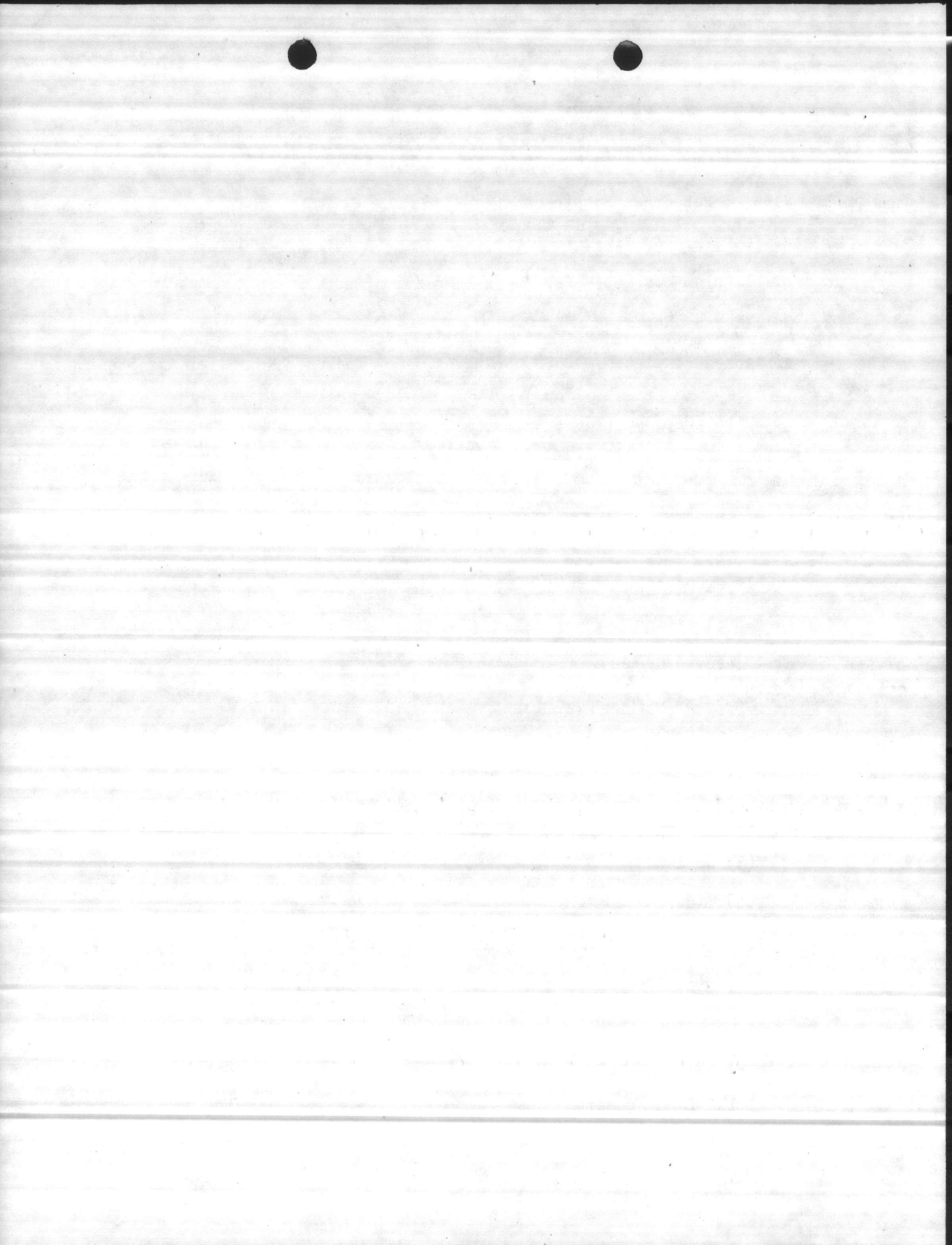




FY 1974 NATURAL RESOURCES STATISTICAL REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.  
PART I - SOIL AND WATER CONSERVATION

1. Natural Resources Management Plan
  - a. Date prepared: Incomplete (Target date for completion - 31 December 1974)
  - b. Is plan current: Yes (Upon completion)
  
2. Soil Survey Report
  - a. Acres completed: 85,000 (Approximate) Includes New River Air Station and (HOLF) Oak Grove
  - b. Date prepared: June 1974
  
3. Cooperative Agreement
  - a. Agency: Soil Conservation Service
  - b. Date prepared: 1 August 1974
  - c. Is agreement current: Yes
  
4. Land Utilization (Acres)
 

a. Improved Grounds		6,730
b. Semi-improved Grounds		5,014
c. Unimproved Grounds		
(1) Woodland	58,029	
(2) Roadside Zones & Streams	2,523	
(3) Wetlands	48	
(4) Tidal Marsh	3,326	
(5) Coastal Beaches	1,645	
(6) Wildlife Food Plots	285	
(7) Impact Areas	5,447	
(8) Total		71,303
d. Total Land Area for Base		83,047





5. Land Use Conversion

a. (1) From U - 42 acres to I - 42 acres

(2) Negative

(3) No environmental benefit involved. This was a wooded area cleared for a construction project.

6. Agricultural Outline: None

7. Special Conservation Problems Completed: None

8. Activity Projects Completed

a. (1) Correction of soil erosion problem at Henderson Pond

(2) Fund Source - 64002 (Wildlife Fund)

(3) Completion required regrading, shaping the shoreline, mulching, and seeding.

(4) Cost - \$1,600

b. (1) Landscaping of Curtis Road, New Water Treatment Plant and barracks at French Creek.

(2) Fund Source - O & M

(3) Completion required grading, seeding and planting of shrubbery.

(4) Cost - \$12,549

c. (1) Correct drainage for mosquito control

(2) Fund Source - O & M

(3) Completion required use of dragline for cleaning out ditches and certain waterways for proper drainage.

(4) Cost - \$19,418

d. (1) Clean up after contingency oil spills

(2) Fund Source - O & M

(3) Pollution Abatement - Pumping oil out of ditches, covering oil with sand, replacement of contaminated soil, regrading and reseeding areas.

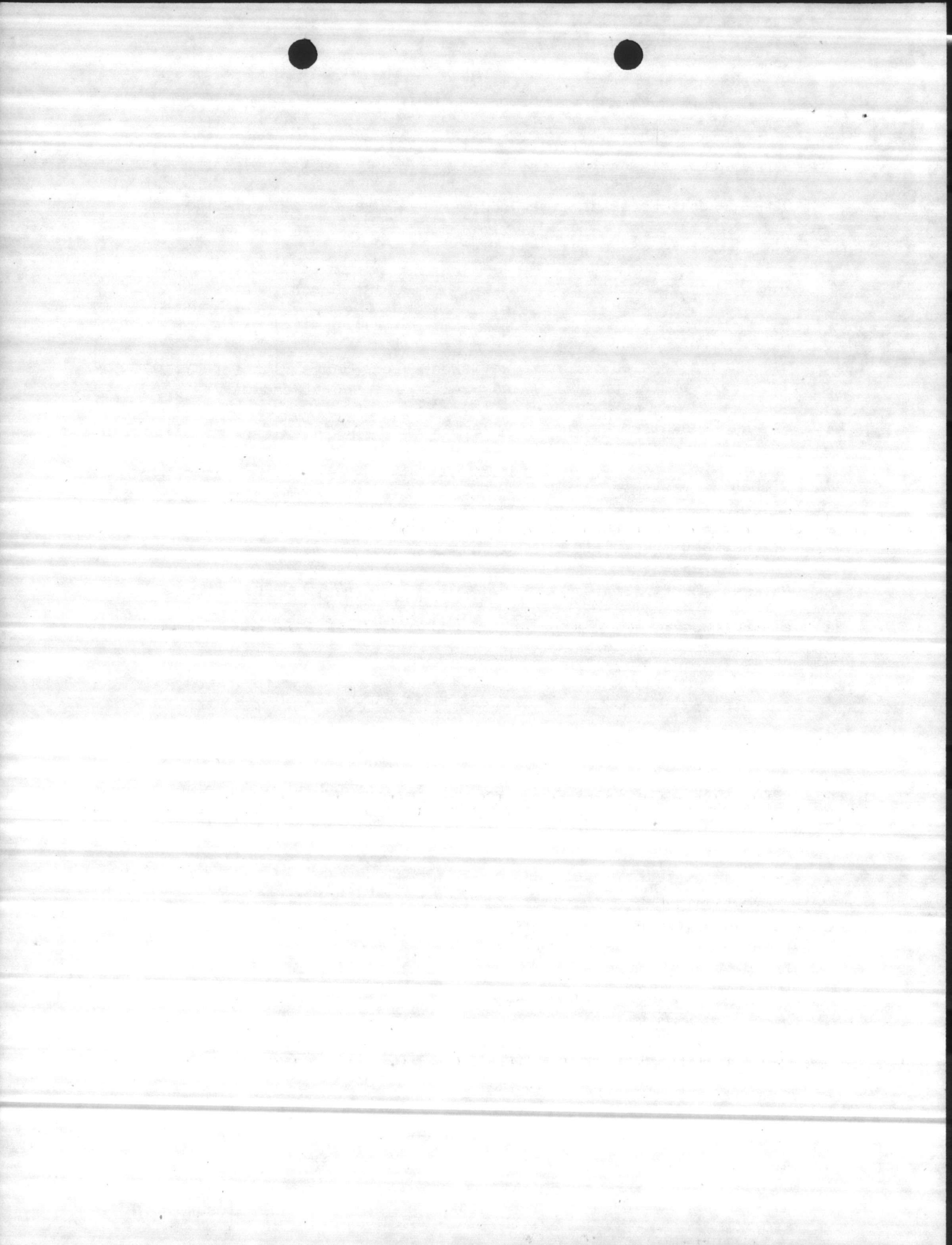
(4) Cost - \$3,586



PART II - FOREST RESOURCE MANAGEMENT REPORT FY 73

1. Total Acres of Managed Woodland: 60,552
2. Professional Forester Time Used: 18 (Man-months)
3. Long-Range Forest Management Plan
  - a. Date prepared: March 1964
  - b. Date last revised: April 1974
  - c. Date scheduled for next revision: Long-Range Plan for FY 1975-1984 complete (except for printing) and will be revised at end of FY 75.
  - d. Has annual work plan or increment been prepared for next fiscal year: Yes
4. Timber Harvests
  - a. Acres harvested: 1,625  
Harvest incomplete on two compartments
  - b. Sawtimber: 4,477,000 bd. ft.
  - c. Pulpwood: 8,410 cds.
  - d. Poles and Piling: 0
  - e. Other: 0
  - f. Gross Proceeds: \$732,760
5. Timber Stand Improvement - (Includes site preparation for planting and natural regeneration under seed-trees)
  - a. Acres 689
  - b. Gross expenditures \$41,149
6. Reforestation
  - a. By tree planting 238 acres. By natural regeneration 451 acres.
  - b. Windbreaks and shelterbelts 0 acres.
  - c. Gross expenditures \$ 7,585





7. Fire Protection

- a. Acres protected: 65,000
- b. Forest fire lanes: Miles constructed: 20 . Miles maintained: 15 .
- c. Acres control burned: 16,100
- d. Gross expenditures: \$24,955

8. Flood and Erosion Control to Protect Timber Areas None .

9. Timber Access Roads

- a. Miles constructed: 0
- b. Miles maintained: 10
- c. Gross expenditures: \$ 2,338

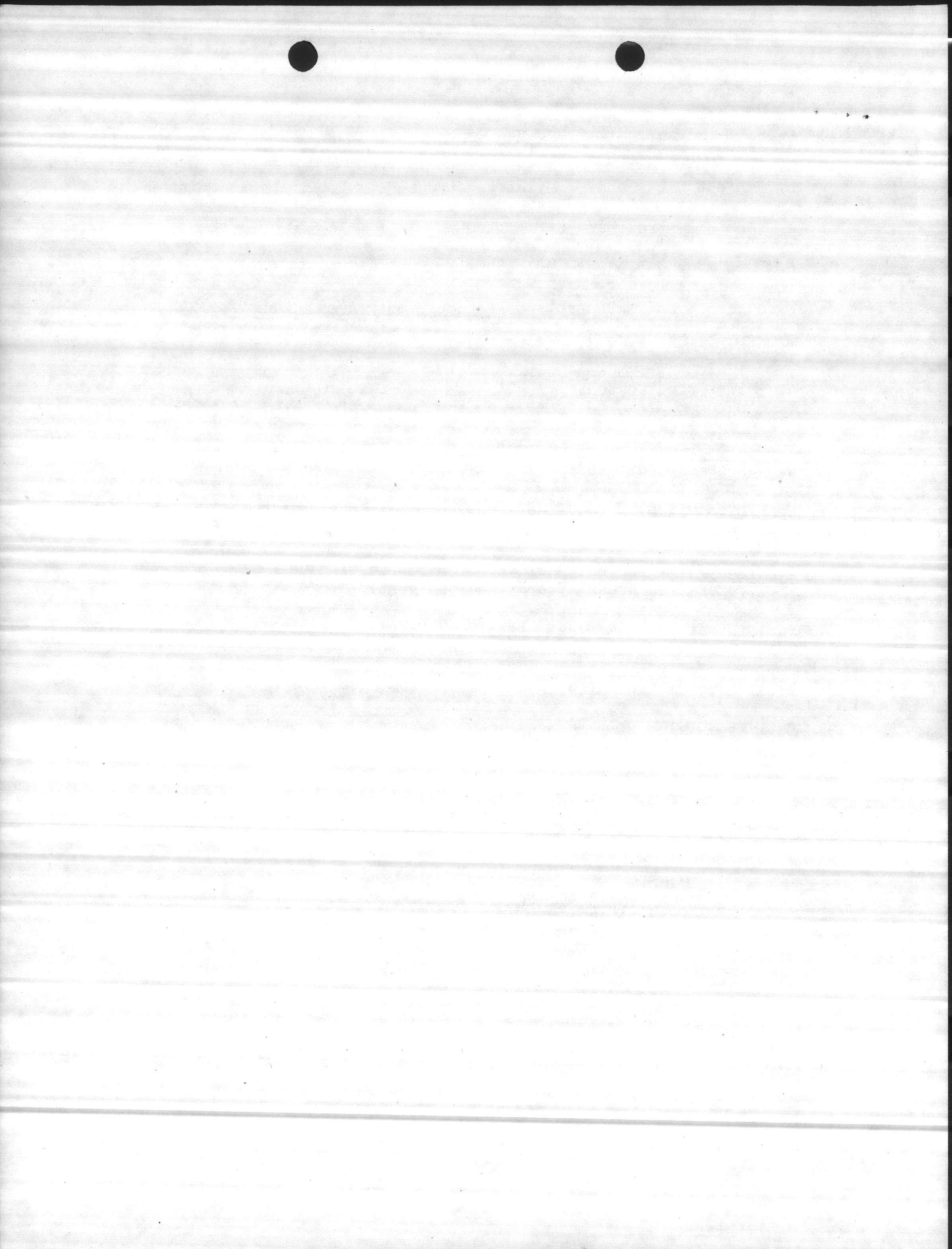
10. a. Three miles of roadside zones were left during timber harvest to enhance natural beauty.

b. Twenty-five acres in clumps of hardwood, including dogwood were left in site preparation areas after timber harvest.

11. Administrative Management Costs \$59,247 (includes all program costs not included in items 5 through 9, preceding).

12. Total Program Expenditures: \$135,274

13. Estimated value of lumber products harvested and used on installation \$2,000.





PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity: Marine Corps Base, Camp Lejeune, North Carolina

2. Cooperative Management Plan

Date Completed: 27 November 1973

3. Extent of Land and Water Area in the Fish and Wildlife Program

Land Acreage	71,303
Water Acreage	26,000
Miles of Stream	80
Miles of Shoreline	21 Marine, 122 Stream and Bay

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting A

For fishing A

For other outdoor recreation

B (Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

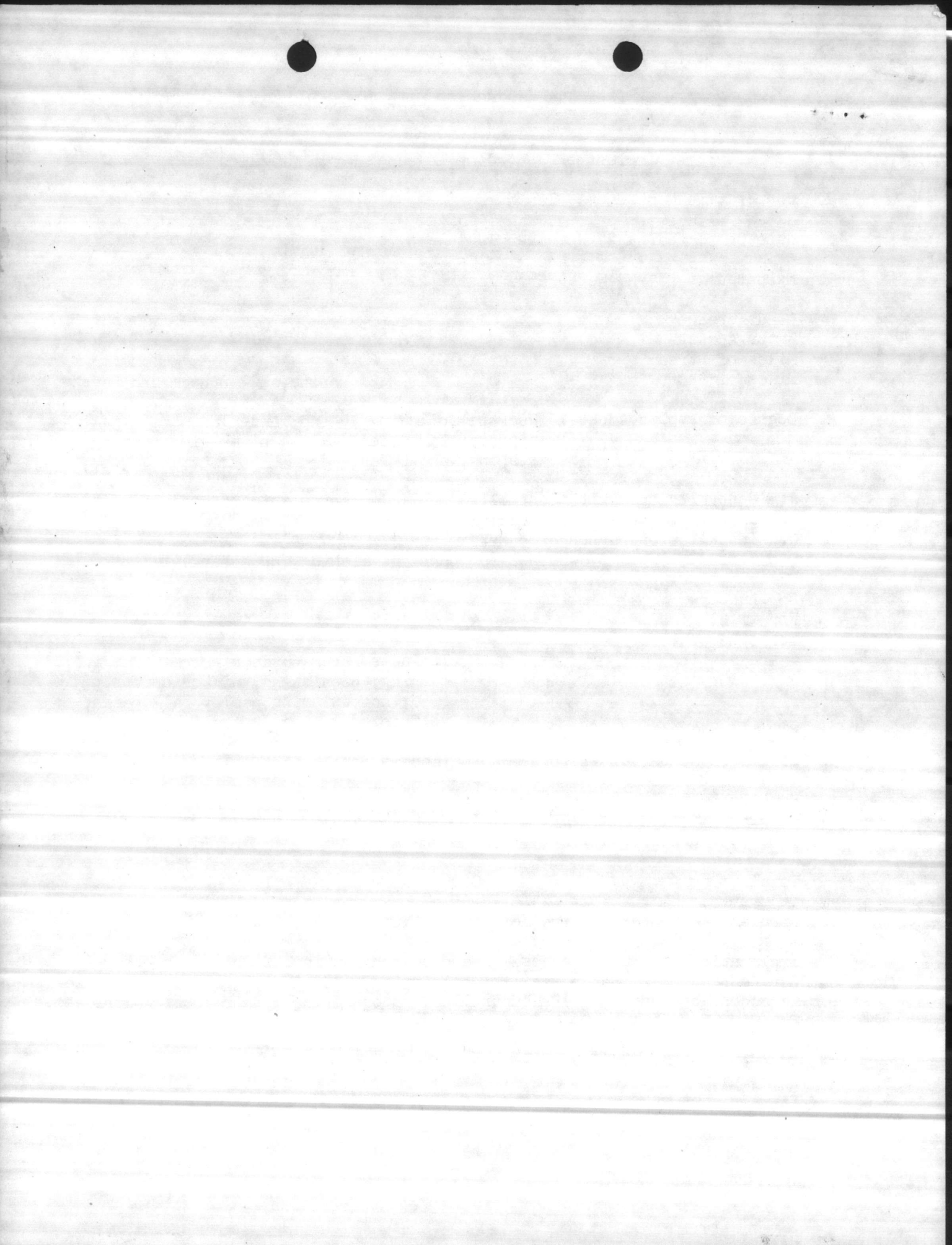
5. Estimated Number of Vistors Granted Access for:

Hunting	3,016 (Man-days)
Fishing	27,075 (Man-days)
Other outdoor recreation	0

Total 30,091

6. Problems and Potential Problem Areas: None

7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.





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

IN REPLY REFER TO

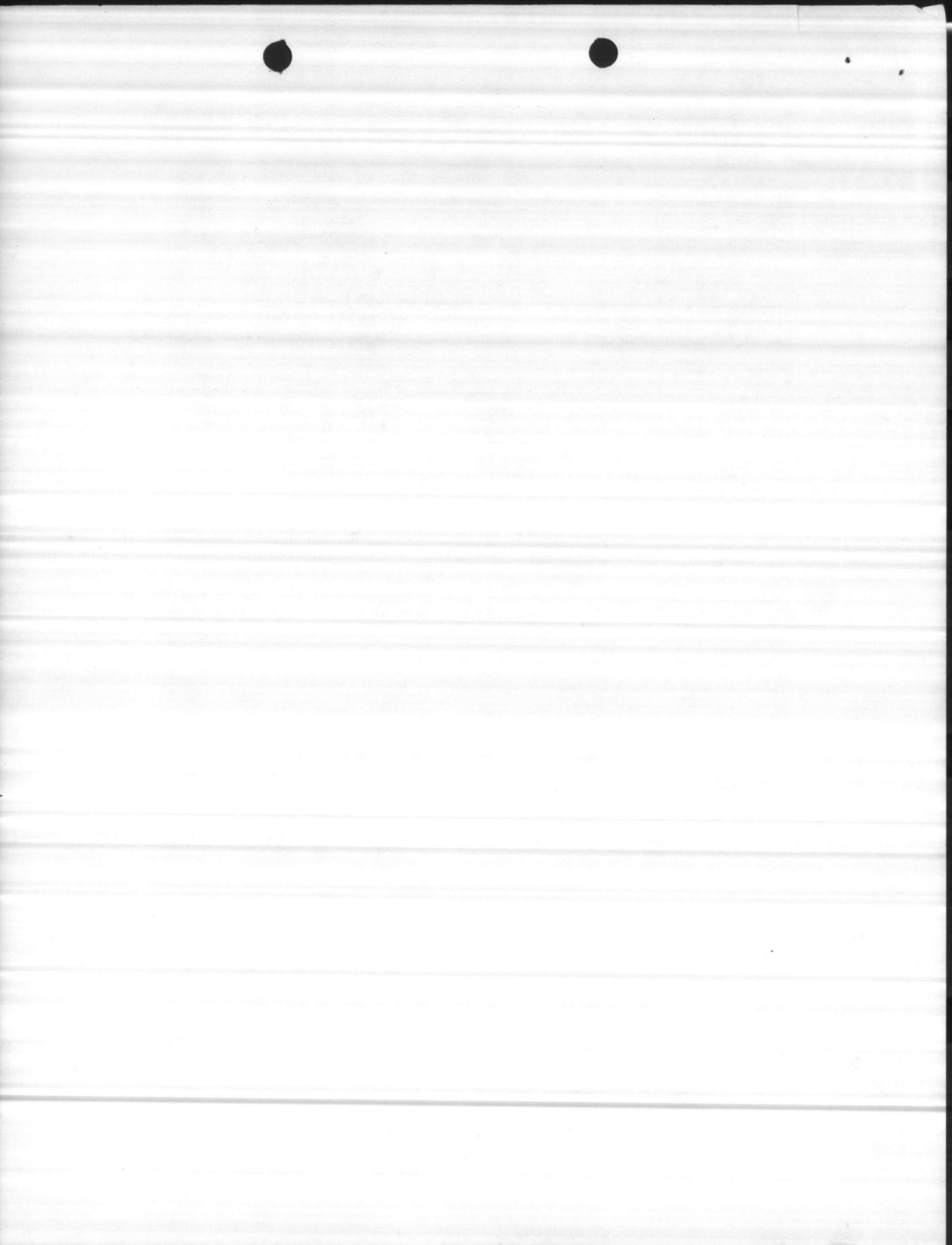
15G/CFR/te  
11000  
15 Aug 1973

From: Commanding General  
To: Commandant of the Marine Corps (Code COM)  
Subj: Natural Resources Summary and Statistical Reports  
Ref: (a) MCO P11000.8  
Encl: (1) FY 1973 Natural Resources Summary Report  
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FY 1973 NATURAL RESOURCES SUMMARY REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.

1. Military Mission and Population. The mission of Marine Corps Base, Camp Lejeune is:

a. To provide training facilities, logistic support and certain administrative support for Fleet Marine Force Units and other units assigned.

b. To conduct specialized schools and other training as directed.

c. To receive and process personnel as assigned and conduct individual combat training as directed.

Population: Military - approximately 35,000, military dependents on and off Base - 30,000, and civilian employees - 3,000.

2. Highlights of the Program.

a. The Base burn dump site was converted into a recreation area. Soil was hauled in to cover the old burning site. The area was regraded, seeded to bermuda grass and landscaped with plantings of Azalea, Crepe Myrtle, Dogwood, and Crab Apple. A three-acre borrow pit was converted into a lake and stocked with bream and bass.

b. 1,700,000 board feet of sawtimber and 4,721 cords of pulpwood were harvested for a gross income of \$154,500. Reforestation was completed on 221 acres by planting loblolly and slash pine seedlings and 100 acres were site prepared for Natural regeneration. 200 CFI Plots were remeasured and 202 trees were measured with a dendrometer. The data obtained will be the basis for up-dating the Forest Resources Management Plan.

c. A bear study project in cooperation with the North Carolina Wildlife Resources Commission was initiated in April of 1973. Six bears were live trapped, tranquilized, tagged, and pertinent data obtained such as weight, age, length, etc. A transmitter collar was installed on a female and her movements have been monitored by radio. This information will be used in the development of bear management programs.

108 acres of winter deer and turkey pasture were planted in October of 1972. Approximately 60 one-quarter acre strips were planted in May to summer grain for the enhancement of small game.

3. In October of 1972 the Natural Resources and Environmental Affairs Division of Base Maintenance was formed.





All Natural Resources and Environmental Programs are under the cognizance of this new division. Objectives of the ensuing fiscal year are to complete the Long Range Multiple Use Natural Resources Management Plan and to carry on the program as submitted previously in the annual operational plan.

4. Pollution Abatement Project completed.

a. Boiler fuel conversion - The boilers at the heating plant (Building 1700), Hadnot Point Area which had formerly burned coal as the principle fuel were modified to burn number six fuel oil fulltime.

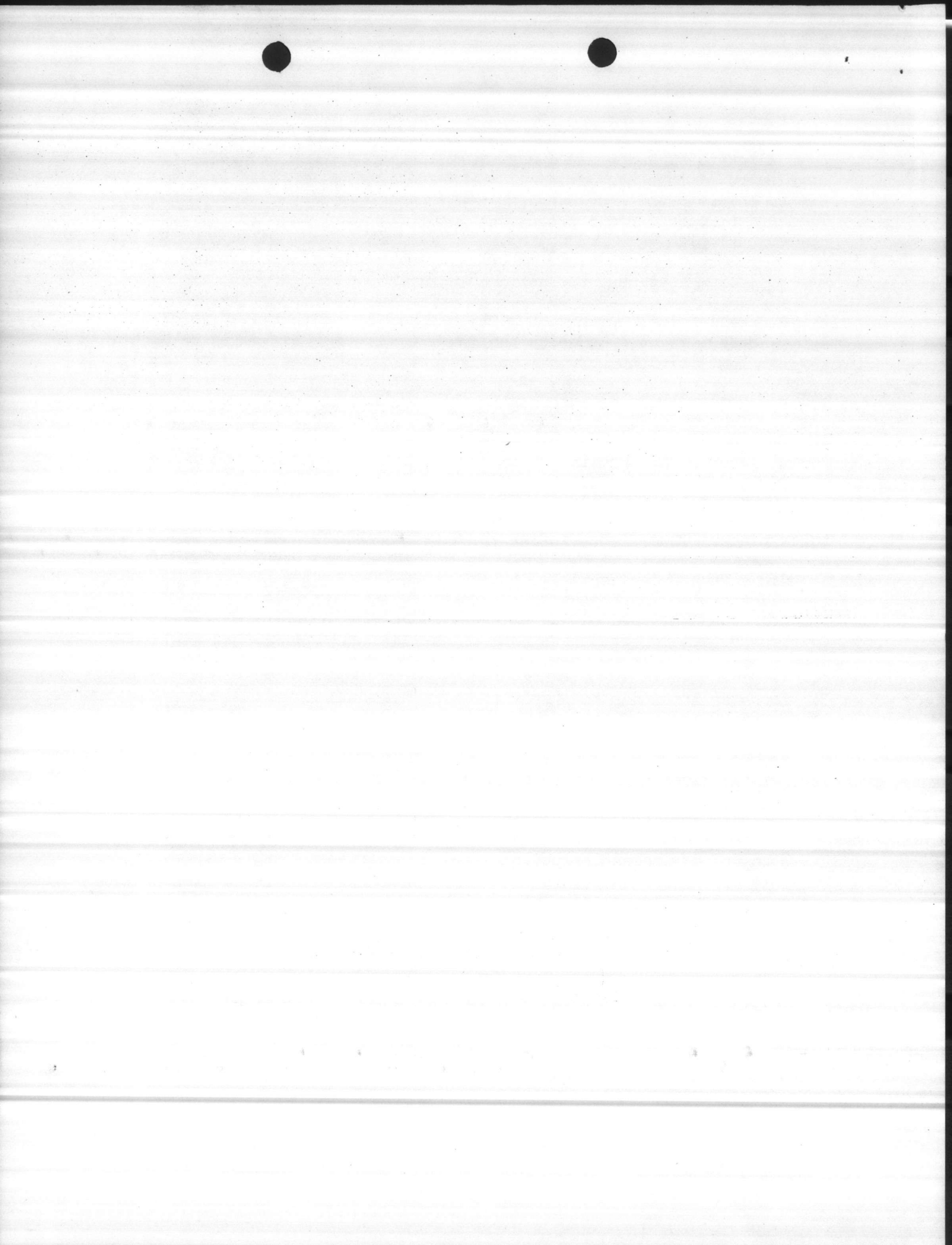
b. Boiler smoke detectors - Smoke detectors were installed at six heating plants. These detectors automatically set off an alarm when smoke in the stack becomes a certain density. This enables the operator to quickly adjust air-fuel mixture thus keeping air pollution by smoke to a minimum.

c. A scrubber was installed on the incinerator at Bldg 1200. This equipment washes out particulate matter from the smoke stack as burning takes place. Thus air pollution from this source is nullified.

d. A Base Order, entitled "Spill Prevention, and Countermeasure Plan for Oil and Other Hazardous Substances" was published. Thirty tanks for the collection of used oil were installed at various motor vehicle maintenance areas. Pollution from oil spills and improper disposal of used oil was greatly reduced.

5. Lawns at a maximum height of three inches were maintained on 1,868 acres and 88 acres of lawn were renovated. 278 acres were sprayed with herbicide for brush and weed control. The underbrush on 15 acres adjacent to the Golf Course was cut and removed. This brush removal permitted a view of the river which in turn contributed to the natural beauty of the area. A total of 1,794 trees and pieces of shrubbery were planted throughout the Base for landscape maintenance and beautification.

6. Woodland management operations were carried out by the forestry and wildlife branches in accordance with multiple use objectives. Approximately 1,375 acres of timber land were harvested this past year yielding 1,700,000 board feet of sawtimber and 4,721 cords of pulpwood. To preserve the natural beauty of the Base, buffer strips varying in width from 100' to 200' were left around timber operations adjacent to main highways, recreation areas, built up areas, and waterways. Clumps of hardwoods, especially dogwood, are preserved in cut over area to enhance natural beauty and maintain the habitat for wildlife.



Another important tool in land management operations at Camp Lejeune is prescribe burning. More than 5000 acres of woodland were burned last winter with the resulting advantages: removal of accumulated litter on the forest floor, control of Brown Spot disease, stimulation of shrub sprouting opening of the understory for better wildlife utilization. All live-firing ranges were also burned to reduce the hazard of wildfire. Approximately 15 miles of timber access roads were also maintained providing forest access to logging contractors, sportsmen and other recreationists.

Wildlife practices included the planting of fifty-four plots totaling 108 acres. One-half of each plot was planted in the fall with rye and wheat to provide winter grazing. Millet and annuals were planted during the late spring. The other half of the food plots were left fallow for the invasion of native grasses and herbs.

In addition, the 1300-acre small game management area was planted with annual seed mixtures in fifty-four quarter-acre plots and perennials, such as serica lespedeza, were planted in six quarter-acre plots.

Three and one quarter miles of access road were planted to rye grass, fescue and bahia grass. These plantings provide "edge" effects and food for wildlife, and help maintain the roads.

Thirty-five 1/2 to 3/4 acre wildlife openings were maintained by trimming and removing encroaching woods and vegetation.

7. The harvest of wildlife species is listed in the following table:

<u>SPECIES HARVESTED</u>	<u>NUMBER</u>
White-tail deer	351
Wild Turkey	13
Squirrel	2100
Rabbit	7
Quail	122
Dove	120
Raccoon	30
Rail	120
Woodcock	18
Waterfowl	500 (Estimated)

8. In order for a Natural Resources Program to be effective, it must have the support of the public. This past year Camp Lejeune has carried out an active education effort which consisted of speaking to over 700 persons approximately 40 hours. Groups varied in nature and consisted of





students from the second grade through the community college level, Boy Scouts, Girl Scouts, and civilian supervisors on Base. Personnel also presented a twenty-minute program over WNBE television station depicting the Camp Lejeune Conservation Program. A series of news articles entitled "Outdoor Sportsman" were written for the Base Newspaper to keep the public informed on the progress of the hunting season and the need for proper management.

9. Several improvements for outdoor recreation development and facilities were made during FY-73. The old burn dump site was converted into a recreation area complete with three acre pond. Dedication ceremonies were held at Henderson Pond and it was opened for fishing. Both of the Special Services camp grounds were equipped with drinking water, electricity, fire grills, and covered shelters.





FY 1973 NATURAL RESOURCES STATISTICAL REPORT FOR  
MARINE CORPS BASE, CAMP LEJEUNE, N. C.  
PART I - SOIL AND WATER CONSERVATION

1. Natural Resources Management Plan

- a. Date prepared: Incomplete ( in process of being prepared)
- b. Is plan current: No

2. Soil Survey Report

- a. Acres completed: 65,473
- b. Date prepared: September, 1965

3. Cooperative Agreement

- a. Agency: Soil Conservation Service
- b. Date prepared: March, 1965
- c. Is agreement current: Yes

4. Land Utilization (Acres)

- a. Improved grounds 6730
- b. Semi-improved grounds 5014
- c. Unimproved grounds 71303
  - (1) Woodland 60552
  - (2) Agric. outlease None
  - (3) Wetlands 48
  - (4) Tidal marsh 3326
  - (5) Coastal Beaches 1645
  - (6) Wildlife food plots 285
  - (7) Impact areas 5447



5. Land Use Conversion

a. (1) From U - 22 acres to I - 22 acres

(2) Negative

(3) This is an area that had been used as a burn dump for many years. The area was regraded, landscaped and the borrow pit was converted to a small lake (3 acres) and stocked with fish. It will now be used as a recreation area.

b. (1) From I - 20 acres to U - 20 acres

(2) Estimated annual monetary savings \$700

(3) This is a lawn area that was planted with loblolly pine seedlings.

6. Agricultural Outlease: None

7. Special Conservation Problems Corrected: None

8. Activity Projects Completed

a. (1) Conversion of Dump Site to Recreation Area

(2) Fund source-O&M and NA

(3) Completion of this project required regrading, seeding, and landscaping.

(4) Cost - \$23,478

b. (1) Installation of Waste Oil Tanks

(2) Fund source-O&M

(3) Pollution Abatement

(4) Cost - \$3215

c. (1) Clean up after Contingency Oil Spills

(2) Fund Source-O&M

(3) Pollution Abatement - Pumping oil out of ditches, replacement of contaminated soil, regrading and reseeding areas.

(4) Cost - \$8293





PART II - FOREST RESOURCE MANAGEMENT REPORT FY 73

1. Total Acres of Managed Woodland: 60,552
2. Professional Forester Time Used: 19 (man-months)
3. Long-Range Forest Management Plan
  - a. Date prepared: March, 1964
  - b. Date last revised: 1973
  - c. Date scheduled for next revision: 1974
  - d. Has annual work plan or increment been prepared for next fiscal year (yes)
4. Timber Harvests
  - a. Acres harvested: 1,375
  - b. Sawtimber: 1,700.53 M bd. ft.
  - c. Pulpwood: 4,721 cords
  - d. Poles and piling: 0 bd. ft.
  - e. Other: 0
  - f. Gross proceeds: \$154,499.82
5. Timber Stand Improvement
  - a. Acres 385
  - b. Gross expenditures \$18,000
6. Reforestation
  - a. By tree planting 221 acres. By natural regeneration 100 acres.
  - b. Windbreaks and shelterbelts 0 acres.
  - c. Gross expenditures \$6,750





7. Fire Protection

- a. Acres protected: 65,000
- b. Forest fire lanes: Miles constructed: 1. Miles maintained: 4.
- c. Acres control burned: 6,580
- d. Gross expenditures: \$3,690

8. Flood and Erosion Control to Protect Timber Areas None.

9. Timber Access Roads

- a. Miles constructed: 0
- b. Miles maintained: 15
- c. Gross expenditures: \$ 5,800

10. a. Three miles of roadside zones were left during Timber Harvest to enhance natural beauty.

b. Fifteen acres in clumps of hardwood, including dogwood were left in site preparation areas after Timber Harvest.

11. Administrative Management Costs \$ 82,518 (includes all program costs not included in items 5 through 9, preceding).

12. Total Program Expenditures \$ 116,758

13. Estimated Value of Lumber Products Harvested and Used on Installation \$150.00



PART III - FISH AND WILDLIFE MANAGEMENT

1. Activity: Marine Corps Base, Camp Lejeune, North Carolina

2. Cooperative Management Plan

Expected date of completion: 31 December 1973

3. Extent of Land and Water Area in the Fish and Wildlife Program

Land acreage	71,303
Water acreage	26,000
Miles of stream	80
Miles of shoreline	21 Marine, 122 Stream and Bay

4. Degree of Public Access. Use the following legend; and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting A

For fishing A

For other outdoor recreation

B (Includes other outdoor recreation; i. e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

5. Estimated Number of Vistors Granted Access for:

Hunting 2,273 (man days)

Fishing 25,000 (man days)

Other outdoor recreation 0

Total 27,273

6. Problems and Potential Problem Areas. None

7. Explanation (if public access is denied for hunting, fishing, or other outdoor recreation). Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.





15A/CDP/lp  
11015  
11 July 1972

**From:** Commanding General  
**To:** Commandant of the Marine Corps (Code COC)

**Subj:** Fish and Wildlife Report; submission of

**Ref:** (a) MCO 11015.2A

**Encl:** (1) Annual Fish and Wildlife Report (Report Symbol DD-11015-3)

1. In compliance with reference (a), enclosure (1) is submitted.

E. A. VOM ORDE, JR.  
By direction

CLASSIFIED  
SECRET  
NO FORN DISSEM

1. The following information is being furnished to you for your information only and is not to be disseminated outside your agency.

2. This information is being furnished to you for your information only and is not to be disseminated outside your agency.

3. This information is being furnished to you for your information only and is not to be disseminated outside your agency.

4. This information is being furnished to you for your information only and is not to be disseminated outside your agency.

5. This information is being furnished to you for your information only and is not to be disseminated outside your agency.

CLASSIFIED  
SECRET



ANNUAL FISH AND WILDLIFE REPORT - FY 1972

1. State, Activity, and Category:

NORTH CAROLINA, MARINE CORPS BASE, CAMP LEJEUNE I

2. Cooperative Management Plan:

Date completed: January 1970

3. Extent of land and water areas in the fish and wildlife program:

Land acreage	<u>65,000</u>
Water acreage	<u>26,000</u>
Miles of stream	<u>80</u>
Miles of shoreline	<u>21 Marine, 122 Stream and Bay</u>

4. Degree of public access: Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other:

A. Generally open with controlled public access within manageable quotas.

B. Installation personnel and guests.

C. Installation personnel only.

D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting

A

For fishing

A

For other outdoor recreation

B

(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)





5. Estimated number of visitors granted access for:

Hunting	1,522
Fishing	150,000
Other outdoor recreation	<u>0</u>
Total	151,522

6. Problems and potential problem areas: None

7. Beach facilities, camping, and picnic grounds are denied public access because they are controlled and operated by Base Special Services.



Estimated number of visitors to the site for

1972	100,000
1973	100,000
1974	100,000
1975	100,000
1976	100,000
1977	100,000
1978	100,000
1979	100,000
1980	100,000
1981	100,000
1982	100,000
1983	100,000
1984	100,000
1985	100,000
1986	100,000
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2020	100,000
2021	100,000
2022	100,000
2023	100,000
2024	100,000
2025	100,000
2026	100,000
2027	100,000
2028	100,000
2029	100,000
2030	100,000

Estimated number of visitors to the site for

1972 100,000

1973 100,000

1974 100,000

1975 100,000

1976 100,000

1977 100,000

1978 100,000

1979 100,000

1980 100,000

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1982 100,000

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2025 100,000

2026 100,000

2027 100,000

2028 100,000

2029 100,000

2030 100,000

1S/CDP/hb  
11015

9 JUL 1971

**From:** Commanding General  
**To:** Commandant of the Marine Corps (Code COC)  
**Subj:** Fish and Wildlife Report; submission of  
**Ref:** (a) MCO 11015.2A  
**Encl:** (1) Annual Fish and Wildlife Report (Report Symbol  
DD-11015-3)

1. In compliance with reference (a), enclosure (1) is submitted.

M.D. DRUMMOND, JR.  
By direction

RETURN TO BASE MAINTENANCE DEPARTMENT

8 JUL 1971

By direction  
W. D. DRUMMOND, JR.

RETURN TO BASE MAINTENANCE DEPARTMENT



ANNUAL FISH AND WILDLIFE REPORT - FY 1971 <sup>1972</sup>

1. State, Activity, and Category

NORTH CAROLINA, MARINE CORPS BASE, CAMP LEJEUNE I

2. Cooperative Management Plan

Date completed January 1970

3. Extent of land and water areas in the fish and wildlife program

Land acreage	<u>65,000</u>
Water acreage	<u>26,000</u>
Miles of stream	<u>80</u>
Miles of shoreline	<u>21 Marine, 122 Stream and Bay</u>

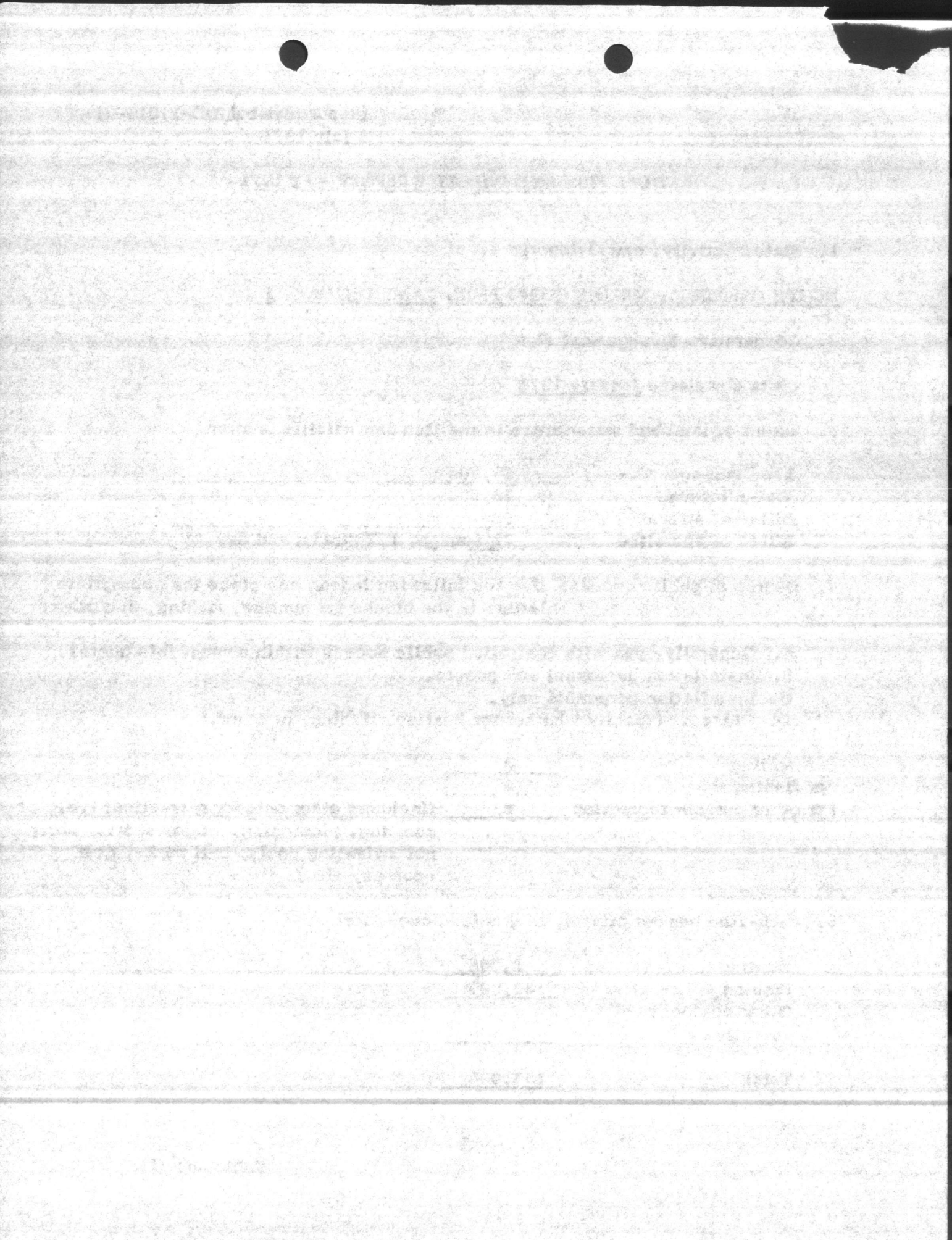
4. Degree of public access: Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>	
For fishing	<u>A</u>	
For other outdoor recreation	<u>B</u>	(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

5. Estimated number of visitors granted access for:

Hunting	<u>2,006</u>	1522
Fishing	<u>150,000</u>	150000
Other outdoor recreation	<u>0</u>	0
Total	<u>152,006</u>	151,522



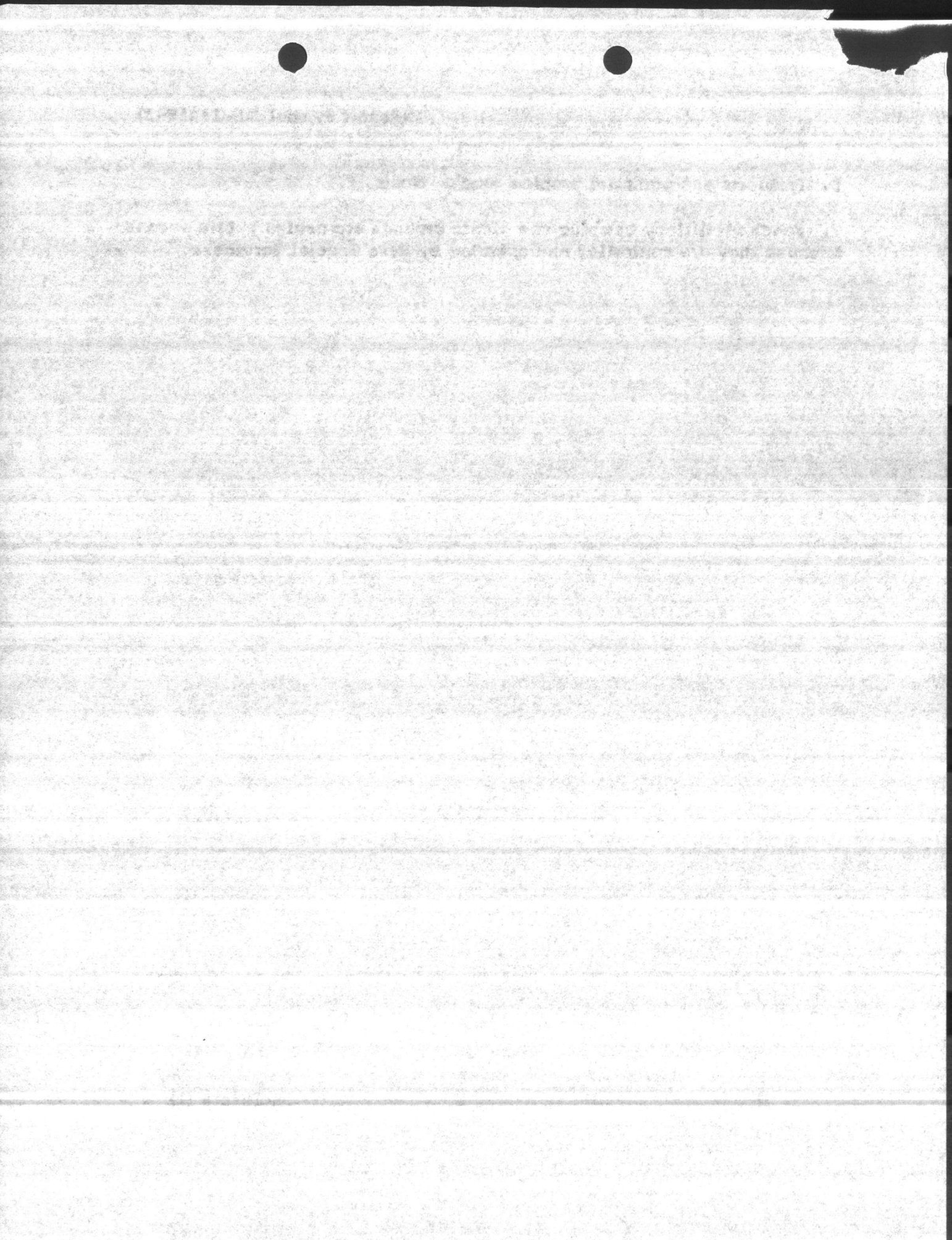


(Report Symbol DD-11015-3)

6. Problems and potential problem areas: None

7. Beach facilities, camping and picnic grounds are denied public access because they are controlled and operated by Base Special Services.







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

IN REPLY REFER TO

15/CDP/ba  
11015

10 Jul 1970

From: Commanding General  
To: Commandant of the Marine Corps (Code COC)  
Subj: Fish and Wildlife Report; submission of  
Ref: (a) MCO 11015.2A  
Encl: (1) Annual Fish and Wildlife Report (Report Symbol  
DD-11015-3)

1. In compliance with reference (a), enclosure (1) is submitted.

C. R. Burroughs  
By direction

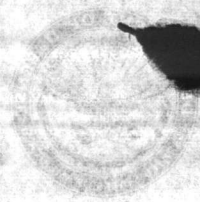
hldg 1  
10 Jul



UNITED STATES MARINE CORPS

NAVAL CORPS

CAMP BELLERIVE, HONOLULU, HAWAII



10/10/1944

C. R. D...  
R. J. D...



ANNUAL FISH AND WILDLIFE REPORT FY 70

1. State, activity, and category

NORTH CAROLINA, MARINE CORPS BASE, CAMP LEJEUNE I

2. Cooperative Management Plan

Date completed January 1970

3. Extent of land and water areas in the fish and wildlife program.

Land acreage	<u>65,000</u>
Water acreage	<u>26,000</u>
Miles of stream	<u>80</u>
Miles of shoreline	<u>21 Marine, 122 Stream and Bay</u>

4. Degree of public access: Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>
For fishing	<u>A</u>
For other outdoor recreation	<u>B</u>

(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

5. Estimated number of visitors granted access for:

Hunting	<u>1,783</u>	1522
Fishing	<u>150,000</u>	150,000
Other outdoor recreation	<u>0</u>	
Total	<u>151,783</u>	151,522

1 JULY 1970

LAND AND WATER REPORT

1. Name, location, and category

MOBILE CAROLINA, MARINE CORPS BASE, CAMP MERRITT 1

2. Ownership

3. Date completed January 1970

4. Amount of land and water used in the land and wildlife program

Land (acres)	25,000
Water (acres)	25,000
Value of stream	00
Value of structure	21 Million, 100 stream and bay

5. Indices of wildlife resources. Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other

- A. Generally open with controlled wildlife areas within boundaries.
- B. Installation personnel and agency.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting  
For fishing

(Includes other outdoor recreation  
fishing, camping, picnicking, winter  
sports, etc.; and swimming pools,  
ball courts, golf courses, etc.)


For other outdoor recreation


Fishing  
Hunting  
Other outdoor recreation


Total



(Report Symbol DD-11015-3)

6. Problems and potential areas: Secondary sewage treatment plants are under construction for all sewage systems. Upon completion, there will be no water pollution problem.

7. Beach facilities, camping and picnic grounds are denied public access because they are controlled and operated by Base Special Services.

ENCLOSURE (1)



(Report Symbol 61-11012-3)

6. Facilities and potential areas: secondary sewage treatment plants are under construction for all sewage systems; upon completion, there will be no water collection system.

7. Beach facilities, bathing and picnic grounds are located public concern because they are controlled and operated by local officials.



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

IN REPLY REFER TO

4D/DCH/rlp  
5420/4:11015  
8 Jul 1968

From: Base Commander  
To: Commandant of the Marine Corps (Code COC)  
Subj: Fish and Wildlife Report; submission of  
Ref: (a) MCO 11015.2A  
Encl: (1) Annual Fish and Wildlife Report (Report Symbol  
DD-11015-3)

1. In compliance with reference (a), enclosure (1) is  
submitted.

FREDRIC O. OLSON  
By direction

Blind copy to:  
PMO (Base Game Protector)



UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEONARD NORTH CAROLINA 2854



RECEIVED  
MARINE CORPS  
8 JUL 1968

Base Command  
Commandant of the Base (1000-000)  
Fish and Wildlife Report; submission of  
Base (1000-000)  
Base (1000-000)  
Base (1000-000)  
Base (1000-000)  
Base (1000-000)

EMERSON O. LARSON  
BY DELICIA

Bind copy to:  
PMO (Base Game Protector)





ANNUAL FISH AND WILDLIFE REPORT

1. State, activity, and category

NORTH CAROLINA, MARINE CORPS BASE, CAMP LEJEUNE I

2. Cooperative Management Plan

Date completed 19 June 1963, or  
Expected date of completion updating scheduled 3rd quarter  
FY-69

3. Extent of land and water areas in the fish and wildlife program.

Land acreage	<u>65,000</u>
Water acreage	<u>26,000</u>
Miles of stream	<u>80</u>
Miles of shoreline	<u>21 marine 122 stream and bay</u>

4. Degree of public access: Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other).

For hunting	<u>        A        </u>	(Includes other outdoor recreation; i.e., camping, picnicing, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)
For fishing	<u>        A        </u>	
For other outdoor recreation	<u>        A        </u>	

5. Estimated number of visitors granted access for:

Hunting	<u>1,1751</u>
Fishing	<u>150,000</u>
Other outdoor recreation	<u>5,5380</u>
Total	<u>157,131</u>

ANNUAL FISH AND WILDLIFE REPORT

STATE, COUNTY, AND CITIES

COOPERATIVE MANAGEMENT

Also included in this report are the following data on certain species of fish and wildlife:

Extent of land and water areas in the state and wildlife

Land reported	1,000,000
Water reported	1,000,000
Area of stream	1,000,000
Area of wetland	1,000,000

Number of public areas: Use the following legend and other information to identify public areas in the state, including:

- 1. Generally open with controlled public access, including:
- 2. Institutional grounds and areas.
- 3. Institutional grounds only.
- 4. Land, mostly wooded, for hunting, fishing, or other

Public areas	1,000,000
Private areas	1,000,000
Other areas	1,000,000
Swimming pools	1,000,000
Public parks	1,000,000
Business, etc.	1,000,000

Number of public areas: (This section is partially obscured)

Public areas	1,000,000
Private areas	1,000,000
Other areas	1,000,000

Total number of public areas: 1,000,000



(Report Symbol DD-11015-3)  
8 Jul 1968

6. Problems and potential problem areas: Water pollution
7. N/A

ENCLOSURE (1)



(S-100-100-100)

1. The object and purpose of the present study is to determine the effect of the various factors mentioned above on the results of the test.

14/EM/efm  
1746

27 January 1967

Mr. James R. Fielding  
Assistant Regional Director  
Bureau of Sport Fisheries and Wildlife  
U. S. Department of the Interior  
Peachtree-Seventh Building  
Atlanta, Georgia 30323

Dear Mr. Fielding:

We are pleased to furnish you the following information on the number of fishing days utilized at Camp Lejeune during the calendar year 1966:

Fresh water pond (used only by civilian and military personnel attached to Camp Lejeune)	273
Creeks and streams (open to public)	5,000 (estimated)
Salt water (open to public)	15,000 (estimated)

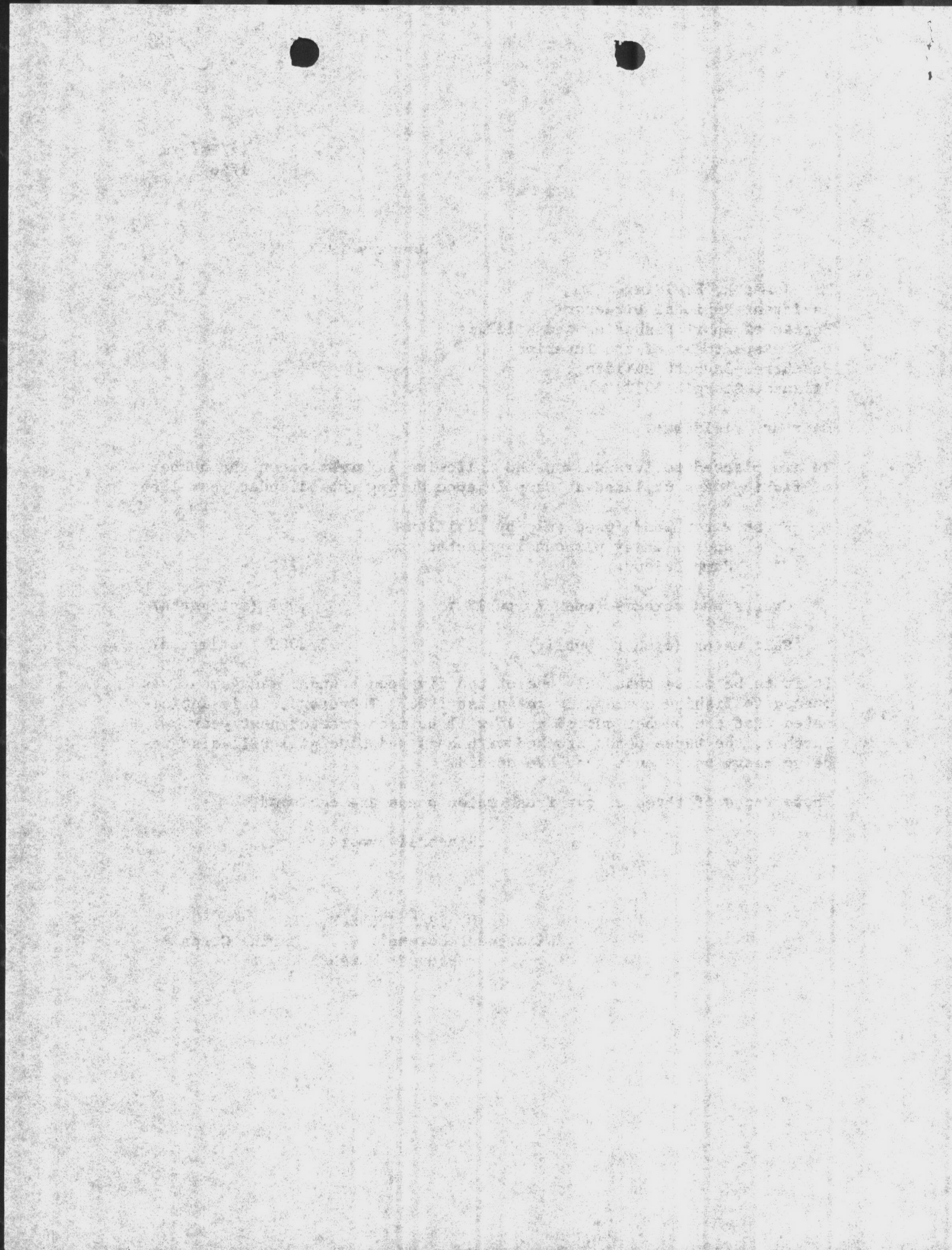
It is to be noted that only one of the five ponds under management was opened to fishing commencing in August 1966. Therefore, it is anticipated that the number quoted above will be much greater next year. Further, the three ponds stocked with bass and blue gill will also receive heavy usage once they are opened.

Photographs of three of our fresh water ponds are enclosed.

Sincerely yours,

O. IVAR SVENSON, JR.  
Lieutenant Colonel, U. S. Marine Corps  
Provost Marshal







Assistant Chief of Staff, G-4, MCB

23 Sep 1964

Base Provost Marshal

Hunting, fishing, and boating activities for years 1959 and 1963-64.

1. During the year 1959 it is estimated that the following personnel participated in hunting and fishing:

	<u>Military</u>	<u>Civilian</u>
Hunting	1,385	10
Fishing	500	5

2. The following hunting/fishing permits were issued during the 1963-64 season:

September 1963	77	11
October 1963	756	115
November 1963	485	216
December 1963	<u>210</u>	<u>385</u>
Total	1,528	727
January 1964	28	9
February 1964	13	
March 1964	<u>6</u>	<u>1</u>
Total	47	10

3. No figures are available pertaining to boating activities.

and report made

and report made

and report made

October

November

and report made

1902

October 1902

1903

November 1902

1904

December 1902

1905

Total

1906

January 1903

1907

February 1903

1908

March 1903

1909

April 1903

and report made



FOR YEAR OF 1959:

	MIL.	CIVIL.
HUNTING	1385	10
FISHING	500	5
BOATING		NONE

FOR YEAR OF 1963-64 HUNTING & FISHING

	<u>MIL.</u>	<u>CIVIL.</u>
<u>1963</u>		
JAN.		
FEB.		
MAR.		
APR.		
MAY.		
JUN.		
JUL.		
AUG.		
SEP.	77	11
OCT.	756	115
NOV.	485	216
DEC.	<u>210</u>	<u>385</u>
TOTAL	1528	727
<u>1964</u>		
JAN.	28	9
FEB.	13	
MAR.	<u>6</u>	<u>1</u>
TOTAL	<u>47</u>	<u>10</u>







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

IN REPLY REFER TO

4D/DCH/mke  
5420/4:11015  
24 Jul 1967

From: Base Commander  
To: Commandant of the Marine Corps (Code COC)  
Subj: Fish and Wildlife Report; submission of  
Ref: (a) MCO 11015.2A  
Encl: (1) Annual Fish and Wildlife Report (Report Symbol  
DD-11015-3)

1. In compliance with reference (a), enclosure (1) is  
submitted.

W. W. STEGEMERTEN  
By direction

Blind copy to:  
PMO (Base Game Protector)





ANNUAL FISH AND WILDLIFE REPORT

1. State, activity, and category

North Carolina , Marine Corps Base, Camp Lejeune, I

2. Cooperative Management Plan

Date completed January 1963 .

3. Extent of land and water areas in the fish and wildlife program

Land acreage	<u>65,000</u>
Water acreage	<u>26,000</u>
Miles of stream	<u>14-1/2</u>
Miles of shoreline	<u>12</u>

4. Degree of public access: Use the following legend and place the appropriate letters in the blanks for hunting, fishing, and other:

- A. Generally open with controlled public access within manageable quotas.
- B. Installation personnel and guests.
- C. Installation personnel only.
- D. Closed. (Specify whether for hunting, fishing, or other.)

For hunting	<u>A</u>
For fishing	<u>A</u>
For other outdoor recreation	<u>A</u>

(Includes other outdoor recreation; i.e., camping, picnicking, winter sports, etc.; not swimming pools, ball parks, golf courses, etc.)

5. Estimated number of visitors granted access for:

Hunting	<u>833</u>
Fishing	<u>3200</u>
Other outdoor recreation	<u>4300</u>
Total	<u>8333</u>

Enclosure (1)

ANNUAL REPORT

1. Total sales  
2. Total production  
3. Total cost of production  
4. Total cost of sales  
5. Total cost of goods sold  
6. Total cost of operations

1954	1953
1952	1951
1950	1949
1948	1947
1946	1945
1944	1943
1942	1941
1940	1939
1938	1937
1936	1935
1934	1933
1932	1931
1930	1929
1928	1927
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1600	1599
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(Report Symbol DD-11015-3)  
24 Jul 1967

6. Problems and potential problem areas: Water pollution.

7. N/A

Enclosure (1)



Report Number 100-100000

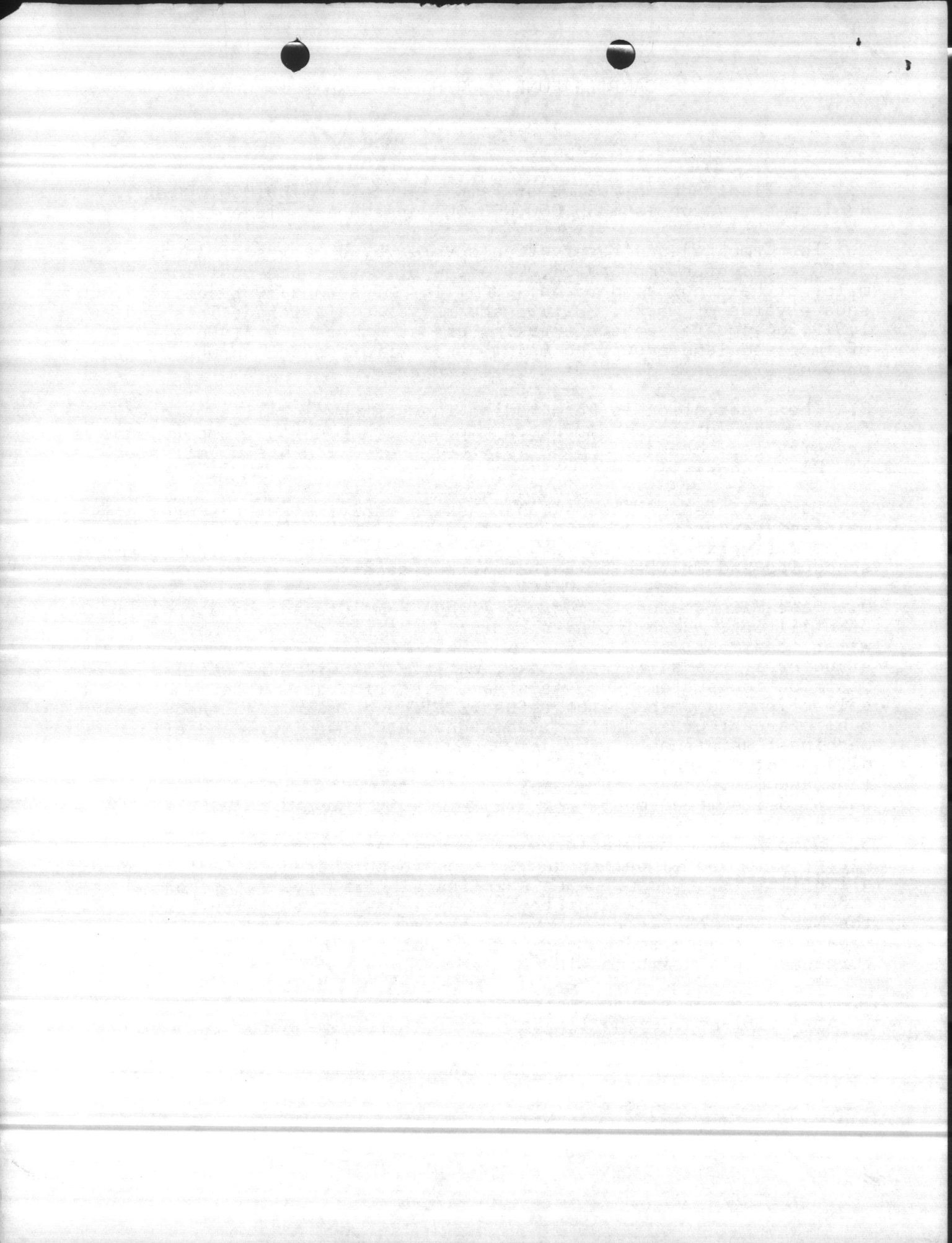
U.S. DEPARTMENT OF JUSTICE

Continued

CAMP LEJEUNE, NORTH CAROLINA

27 March 1967

1. The Plant Account value of Camp Lejeune is \$169,000,000.00. Replacement value is \$355,000,000.00 (does not include land).
2. The Camp Lejeune reservation covers 75,000 acres of land, 7,780 acres of swamp and 26,000 acres of water; and contains 187 miles of hard surfaced roads, 236 miles of secondary roads, 407,300 square yards of walks, 389,191 square yards of storage lots and 1,912,666 square yards of parking areas. There are 3,496 acres of improved land requiring maintenance of grass and shrubbery to prevent erosion and add beauty to the area
3. The reservation is bordered on the east by 14 miles of ocean front. The Intracoastal Waterway passes through the Camp Lejeune property for the same distance. The reservation has 50 miles of New River shore line.
4. Base Maintenance has a huge task in carrying out its preventive maintenance program alone. Maintenance requirements are made known through several sources, such as continuous inspections, programmed schedules and written or verbal work requests.
5. Base Maintenance is charged with the maintenance and operation of utilities, which includes central heating, sewage treatment, water treatment, cold storage and telephone; maintenance of buildings, structures, roads, walks, docks, waterfront, grounds; utility distribution systems such as steam, electric, gas, water and sewer; collection and disposal of refuse; police of main roads and certain public areas; grass cutting; maintenance of furniture and office machines; maintenance of Plant Account equipment such as air conditioners; messhall and galley equipment, shop equipment, lockers, fans and many other items too numerous to mention; also, forestry and wildlife management.
6. Camp Lejeune manufactures all utilities required except electricity and liquefied gas, which are purchased, and distributes all utilities. Camp Lejeune supplies electricity, water, gas, steam and sewage treatment to the Naval Hospital; electricity to the Marine Corps Air Facility; electricity, water and sewage treatment to Knox and Geiger Trailer Parks. These utilities are furnished on a reimbursable basis.
7. The base water supply system consists of six complete Water Treatment Plants, using lime and zeolite treatment for reduction of hardness and iron content of raw water. Eight other systems are supplied directly from the raw water supply wells, with chlorine





treatment only. Approximately 2,798,000,000 gallons of water are pumped and treated annually in these 14 systems to supply base personnel. Approximately 1,868,000 pounds of lime, 2,232,000 pounds of salt, 64,000 pounds of chlorine and 15,000 pounds of sodium fluoride are used annually in treatment of this water. This raw water supply is pumped from 73 deep wells, averaging approximately 140 feet deep, with a capacity of approximately 9,200 gallons per minute. This water distribution consists of approximately 874,833 feet of piping.

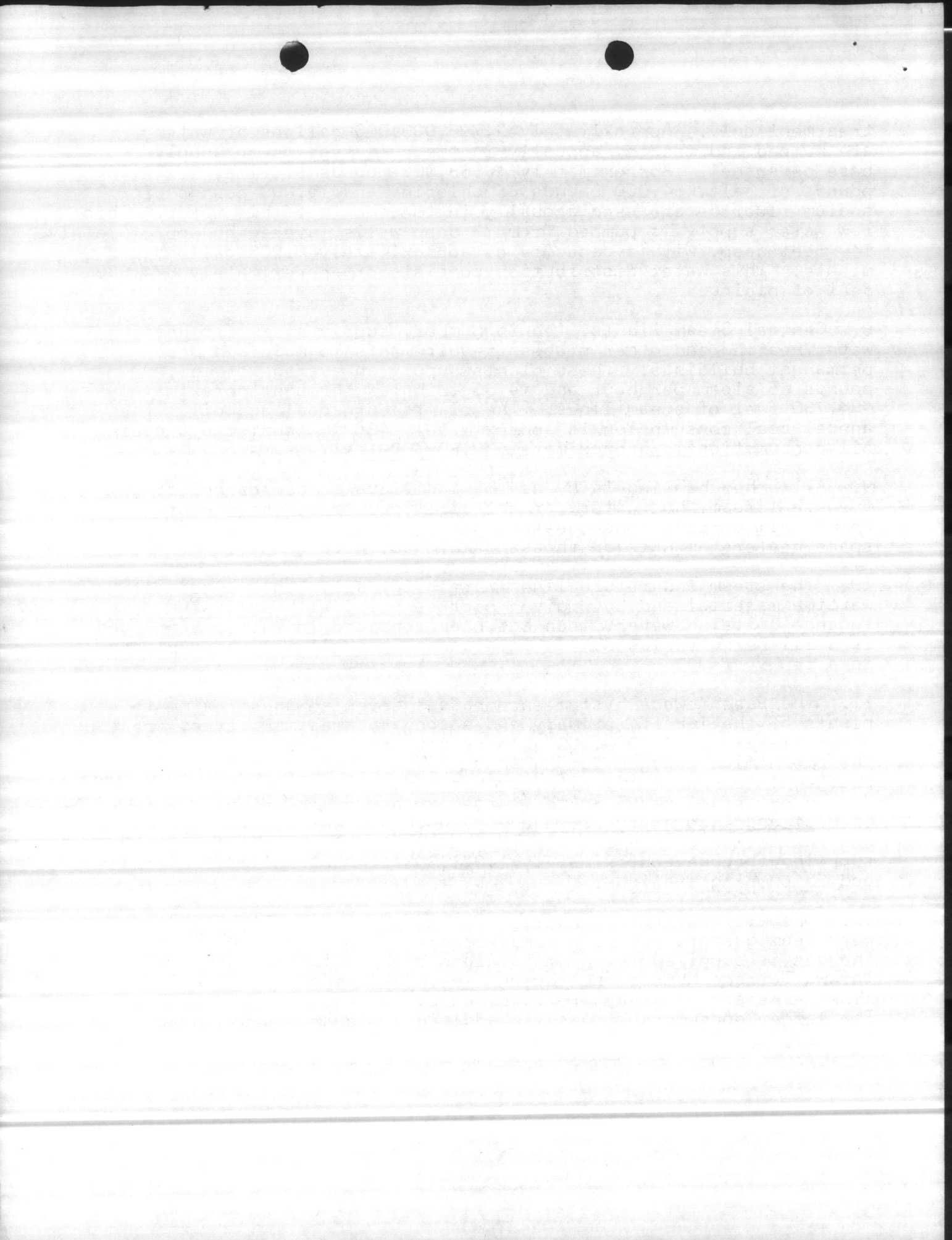
8. Central Steam Plants, ten in number, supply steam for heating, water heating and other process requirements to main and more permanent buildings. These plants supply an average of 163,000 pounds of steam per hour and is distributed through approximately 284,730 feet of steam lines. The plants burn coal and oil. The annual coal consumption is approximately 53,000 tons; the annual oil consumption is approximately 2,806,000 gallons.

9. All other heating is by use of individual house or building furnace (steam, hot water, or hot air type) or by the use of common oil or coal space heaters. The consumption of oil for space heaters amounts to thousands of gallons annually.

10. The steam and return lines were originally constructed with wartime material and have given poor service, with excessive maintenance costs; however, much has been replaced in recent years and is still being replaced. It is planned that all will be replaced in a few years.

11. The Base Sewage System encompasses seven sewage treatment plants of the imhoff, primary and secondary treatment type, treating approximately 2,742,000,000 gallons per year. This treatment reduces the biochemical oxygen demand about 50%, the effluent being discharged into New River, with further reduction of biochemical oxygen demand by aeration due to the large expanse of the river. The chemist and laboratory are used to check and analyze the sewage and sanitation of the river. The sewage treatment plants are supplied through approximately 1,071,399 feet of collection lines and 25 pumping stations.

12. One million, four hundred thousand gallons of liquefied petroleum gas are purchased and stored in two central plants; the gas is supplied to the main areas of Hadnot Point and Tarawa Terrace Number One through 107,605 feet of distribution lines. Remaining areas are supplied by the use of tank trucks. The larger consumers of gas, in addition to quarters at Tarawa Terrace, are messhalls and galleys.



13. Electricity is purchased from Carolina Power and Light Company; however, it is distributed over 1,592,366 feet of government-owned distribution lines.

14. We collect and dispose of over 733,000 cubic yards of refuse annually. Our collecting equipment is largely the dempster dumpster, load packers and dempster dumpmasters. The refuse is disposed by burning on open face dumps and sanitary fill method. This method is closely supervised and has proven highly satisfactory both from a sanitary and economic point of view. Collection and disposal cost is approximately 45 cents per cubic yard.

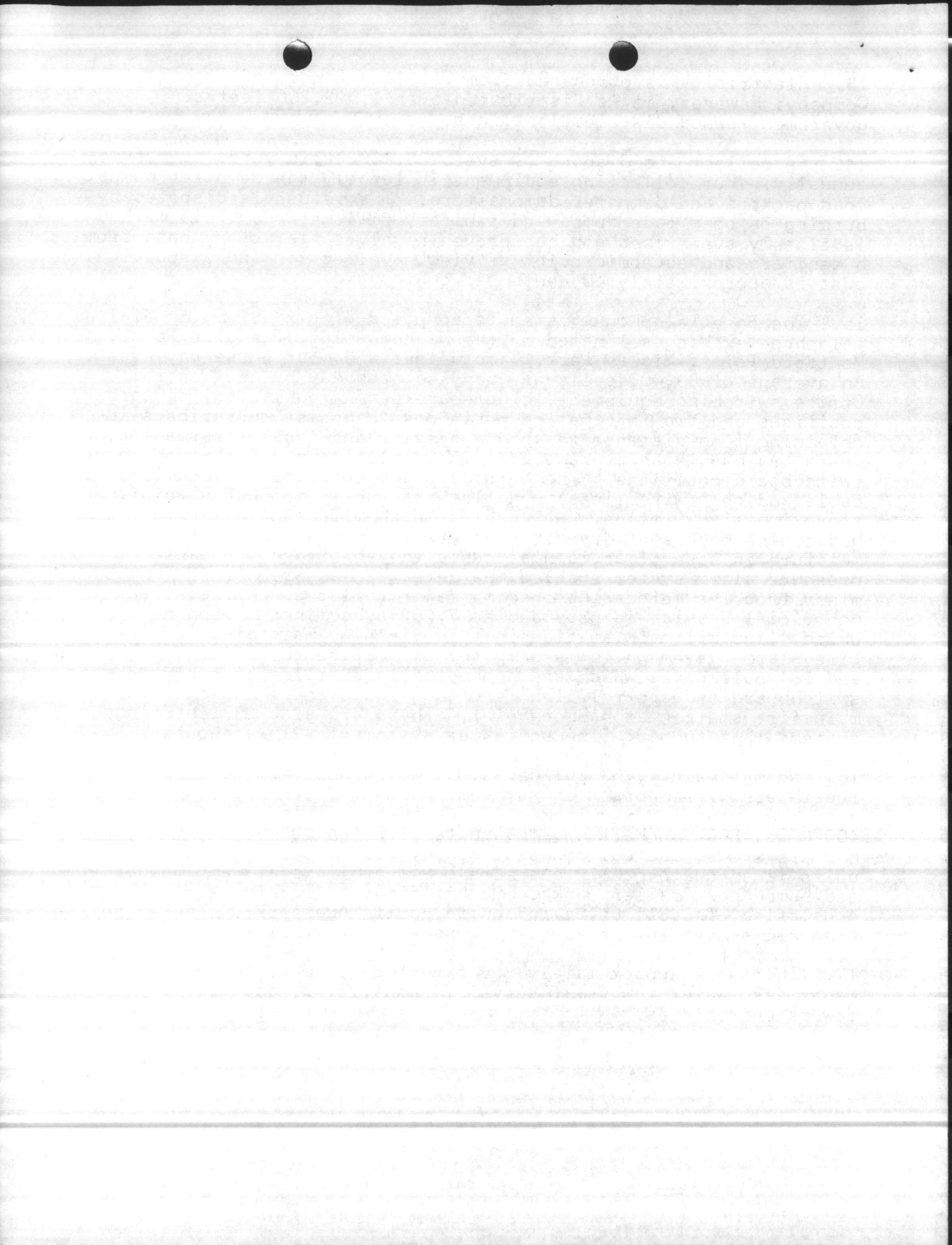
15. The Base Telephone System is composed of six automatic dial telephone exchanges located in the Hadnot Point, Paradise Point, Montford Point, Midway Park, Camp Geiger and Courthouse Bay areas. An average of 83,000 calls are handled each day by the Central Office switching equipment. There are seven regular switchboard positions and two information positions to assist subscribers in obtaining long distance telephone service and local information. Operators handle an average of 14,500 calls each day through these switchboard positions. The outside plant consists of 288 miles of cable and open wire lines. The longest run is to Cherry Point, approximately 29 miles. All cables in the trunking system are under nine pounds of dry air pressure to prevent the entry of moisture in case of accidental cable sheath breaks. A cable pressure alarm system enables the detection and repair of many minor troubles before they become major failures. Official and unofficial service is provided to 7,262 subscriber telephones of which 4,125 are main stations. This division maintains the Base Fire Alarm System which is composed of 91 fire reporting telephones and 284 pull boxes which are connected by 38 miles of cable to a switchboard and control fire reporting equipment located in the main fire station at Hadnot Point. There are also 25 reporting systems that support fire sprinkler systems in 21 warehouses.

16. We maintain 4,763 buildings, of which approximately one-fourth are of temporary and/or semi-permanent construction with a high maintenance requirement. Included in this number are 400 MOQs, 800 Capehart housing units of which 123 are MOQs and 677 are MEMQs, 523 buildings at Midway Park consisting of 700 units (inadequate public quarters), 941 trailers at Camp Geiger and Camp Knox Trailer Parks, 593 buildings at Tarawa Terrace consisting of 1,851 units (adequate public quarters). There are also 310 spaces for private trailers at Knox Trailer Park.

17. There are approximately 828 structures; these include magazines, water towers, reservoir, ramps, pits, docks, fire towers and bridges.

4763  
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4591





18. There are four known distance rifle ranges and two known distance pistol ranges at the Rifle Range complex which are maintained jointly by Base Maintenance and the Rifle Range Detachment. In addition to the known distance ranges, there are 64 ranges used for training the Marines for combat readiness. These 64 ranges are maintained jointly by Base Maintenance and Range Maintenance.

19. We maintain and operate the heavy equipment and machinery used by Maintenance as well as the maintenance and operation of a 100 ton capacity draw bridge over the Intracoastal Waterway and water-borne equipment. There are approximately 135 major items of maintenance equipment.

20. The Maintenance Officer is Program Administrator for all Base Maintenance functions, including funds for maintenance of family housing and the government-owned trailer parks. The cost of operation for FY 66 was approximately \$11,876,000.00. The budget for FY 67 is \$12,300,000.00. The purchase of electricity is approximately \$1,300,000.00; labor is approximately \$6,793,000.00; the remainder is for the operation and purchase of other utilities, necessary materials and supplies, including fuel oil for heating.

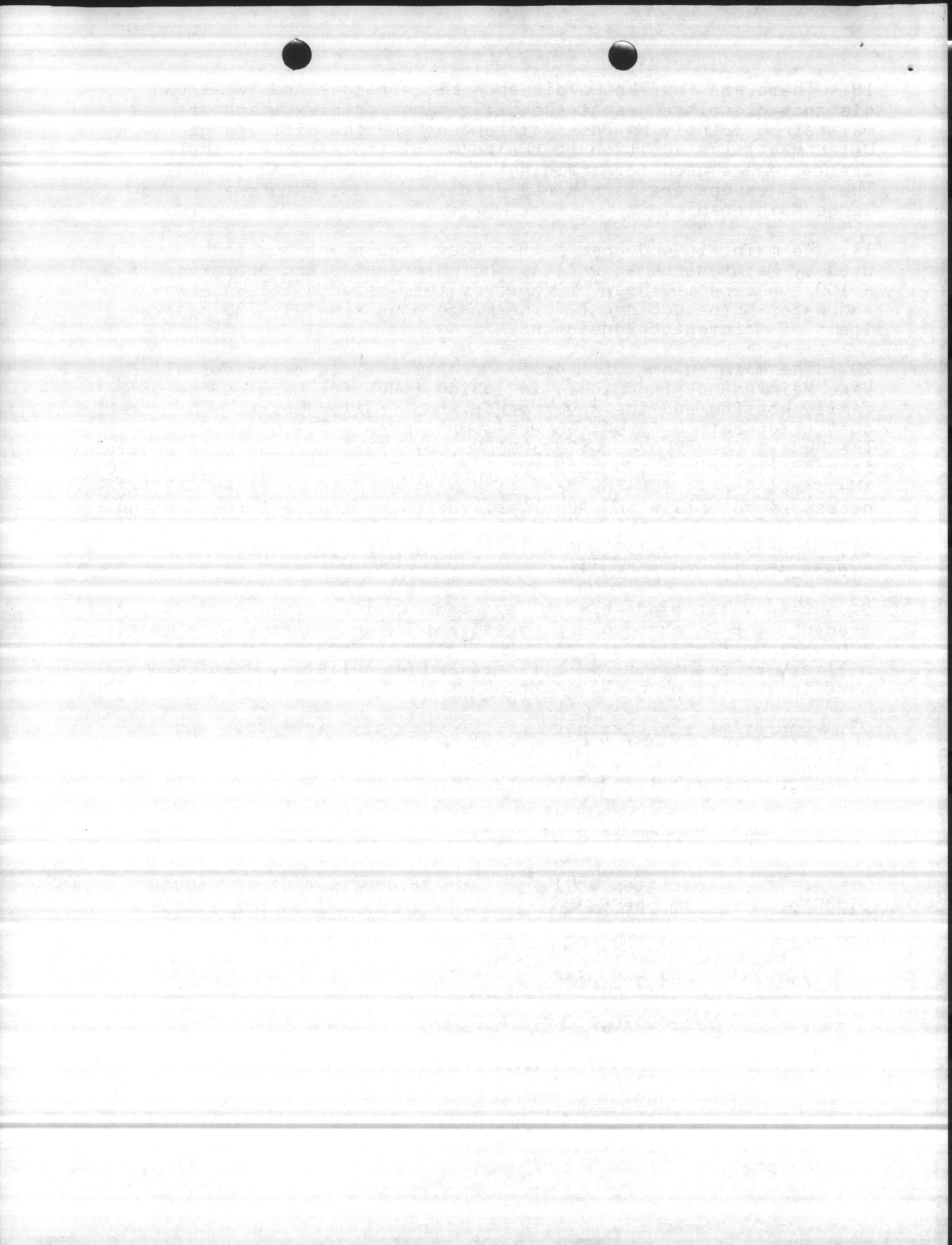
21. Approximately 120,000 work tickets and 5,800 specific work orders are issued annually.

22. Base Maintenance has an approved civilian ceiling of 73 graded and 847 ungraded employees, which represents approximately 100 various classifications. The Table of Organization for military personnel is six officers and 52 enlisted, 45 of whom work in the Telephone Division.

23. Approximately one-third of the cost of maintenance and operation accounted for by Base Maintenance goes to the maintenance and operation of the utilities plants and distribution system and purchase of utilities. A breakdown of utilities plants follows:

a. Heating Plants

<u>Bldg No.</u>	<u>Capacities in lbs steam per year</u>	<u>*Produced and distributed in lbs steam per year</u>
HP-1700	3,504,000,000	958,212,220
BOQ-2615	192,720,000	35,884,200
PT-3	26,280,000	1,442,500





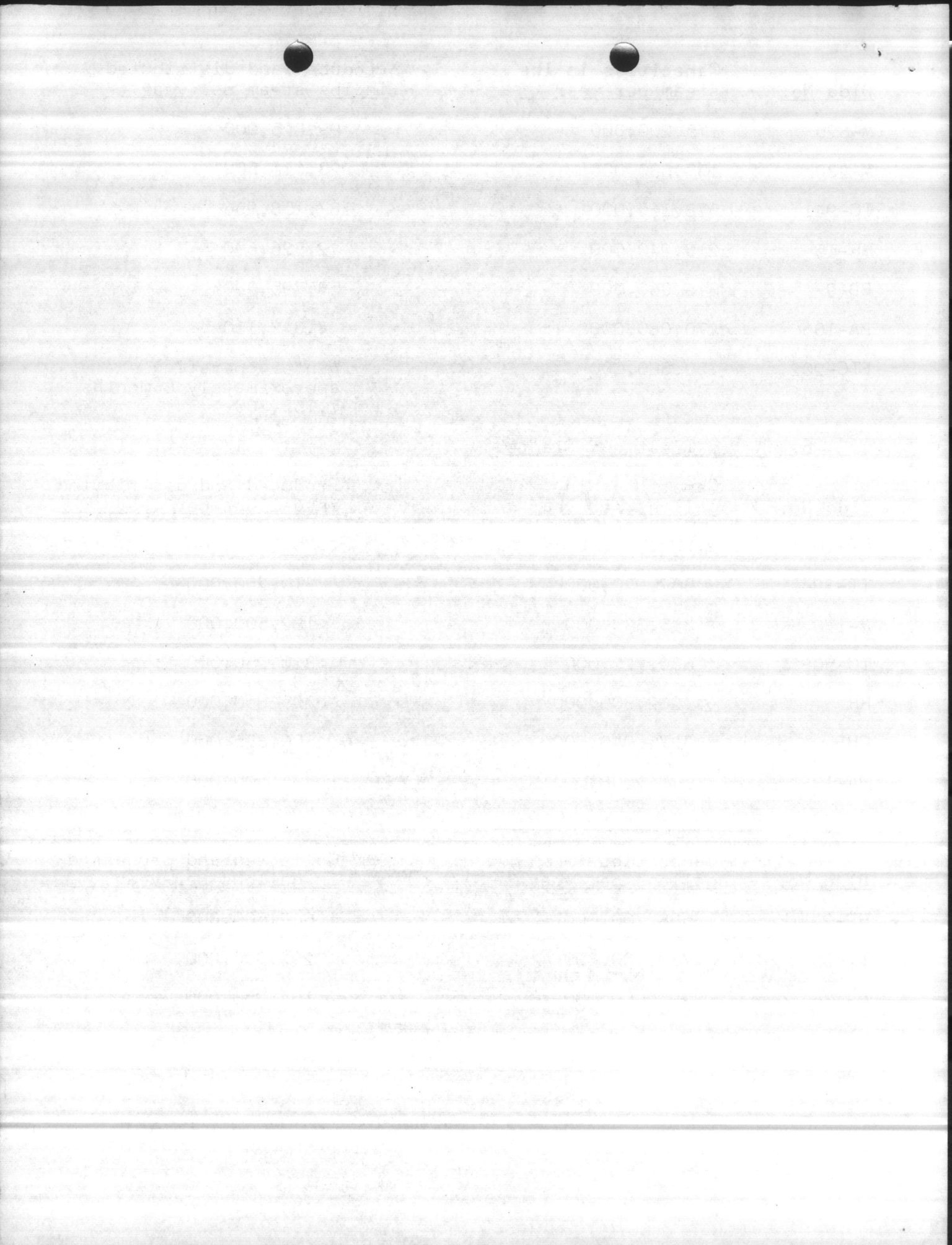
<u>Bldg No.</u>	<u>Capacities in lbs steam per year</u>	<u>*Produced and distributed in lbs steam per year</u>
M-625	175,200,000	99,825,000
M-230	157,680,000	23,611,500
TC-941	578,160,000	187,158,956
RR-15	210,240,000	42,526,600
BB-9	315,360,000	58,795,000
BA-106	70,080,000	7,343,150
FTC-202	150,380,000	Winter operating approximately 6 months 7,153,300

b. Water Treatment Plants

<u>Bldg No.</u>	<u>Capacities in gallons per year</u>	<u>*Produced and distributed in gallons per year</u>
HP-20	2,207,520,000	1,752,000,000
TT-38	367,920,000	310,250,000
M-178	315,360,000	182,500,000
TC-508	630,720,000	310,250,000
RR	262,800,000	105,850,000
CHB	275,940,000	100,375,000
BA-138	94,608,000	36,500,000

c. Sewage Treatment Plants

<u>Bldg No.</u>	<u>Capacities in gallons per year</u>	<u>*Collected and processed in gallons per year</u>
HP-22	1,598,700,000	1,642,500,000
TT-35	730,000,000	292,000,000
M-136	292,000,000	164,250,000



<u>Bldg No.</u>	<u>Capacities in gallons per year.</u>	<u>*Collected and processed in gallons per year</u>
TC-563	438,000,000	401,500,000
RR-38	131,400,000	111,054,900
BB-4	102,200,000	93,633,450
BA-107	65,700,000	36,500,000

d. Cold Storage Plant

<u>Bldg No.</u>	<u>*Produced in tons per year</u>
HP-1300	17,771.67

\*Based on FY 66



