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NREAD

**From:** Commanding General, Marine Corps Base, Camp Lejeune  
**To:** Commandant of the Marine Corps (Code LFL)

**Subj:** FY-88 ANNUAL OPERATIONAL PLAN (AOP)

**Ref:** (a) MCO P11000.68

**Encl:** (1) FY-88 AOP for Forestry, Fish & Wildlife, Soil and Water Conservation, Agricultural Outlease and Recycling Management  
(2) Deficiency Submission Exhibit FYs 87-90

1. In accordance with the reference, enclosures (1) and (2) are provided.
2. Point of contact for enclosure (1) is Mr. Julian Wooten and for enclosure (2) is Mr. Bob Alexander, extensions 1690/3034 respectively.

T. J. DALZELL  
By direction

Blind copy to:  
AC/S FAC  
AC/S COMPT  
BMO (F&A)

	CG
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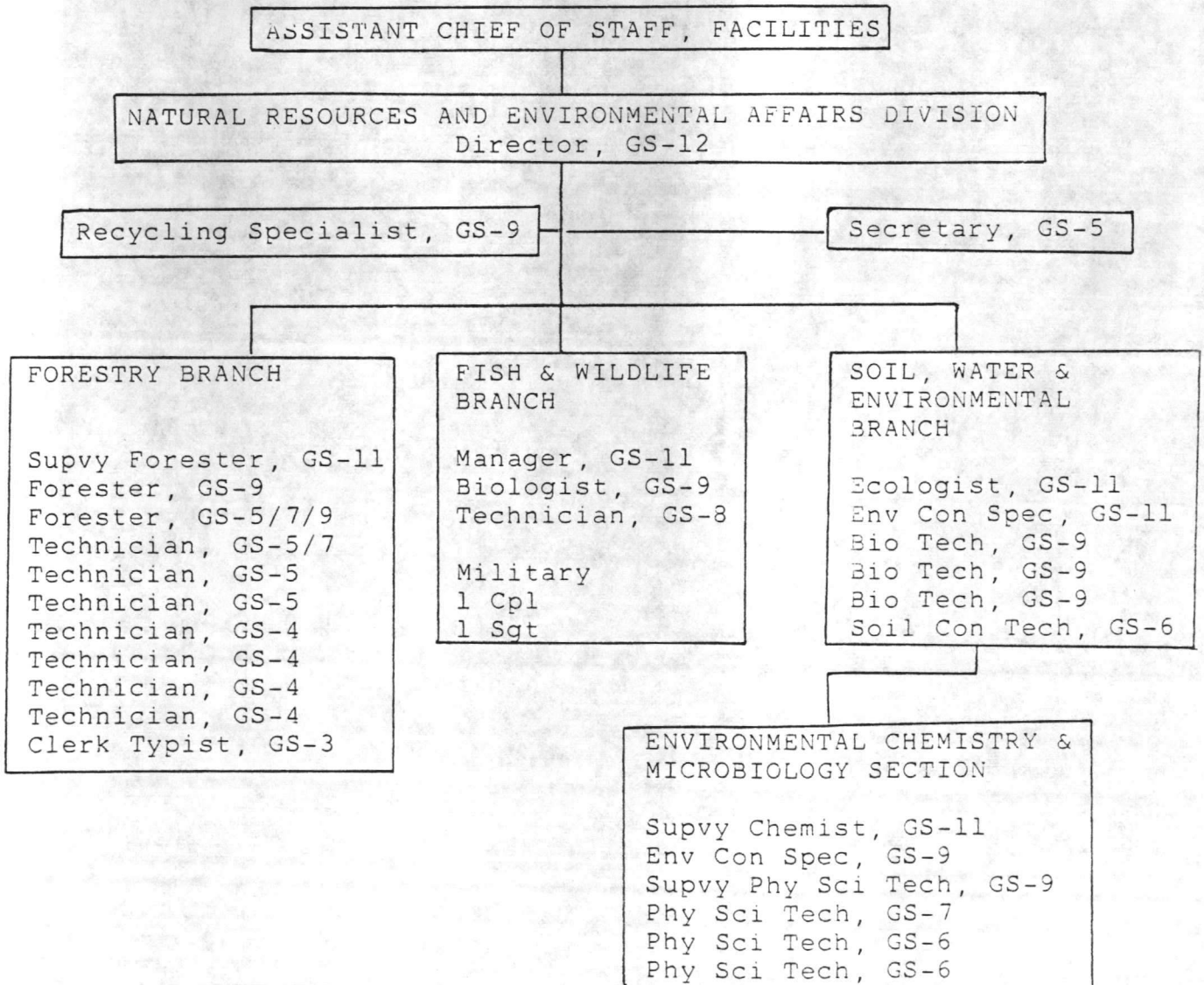


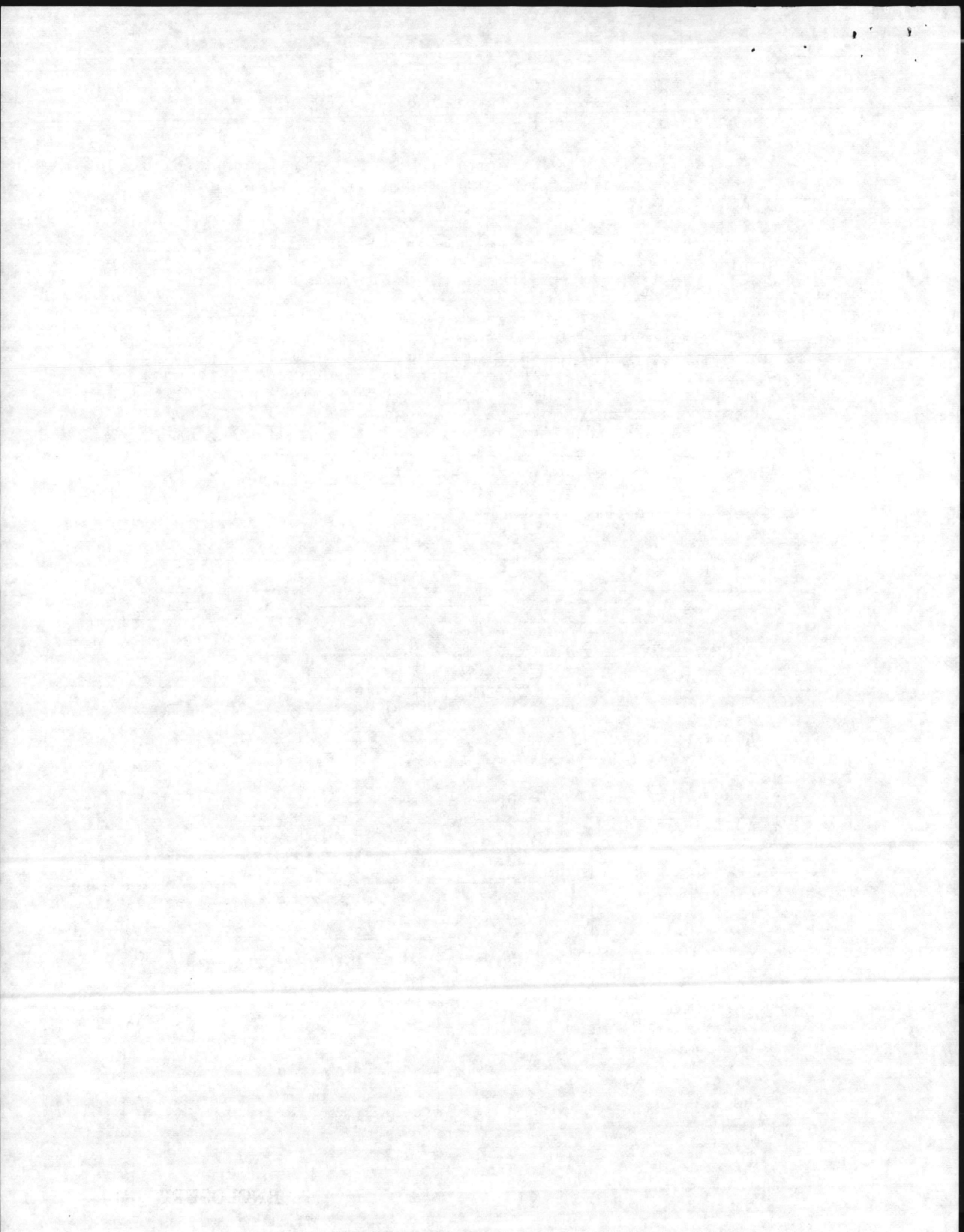


FY-1988 ANNUAL OPERATIONAL PLAN  
FOR MANAGEMENT OF NATURAL RESOURCES

In addition to support of base real property maintenance functions, like support is provided to Marine Corps Air Station, New River. Total land and water area is 112,459 acres, 86,596 acres of which are suitable for management of fish and wildlife resources and 62,365 acres of which are readily manageable as forestlands. Program elements are forest management, fish and wildlife management, soils, and water conservation, pollution monitoring and abatement.

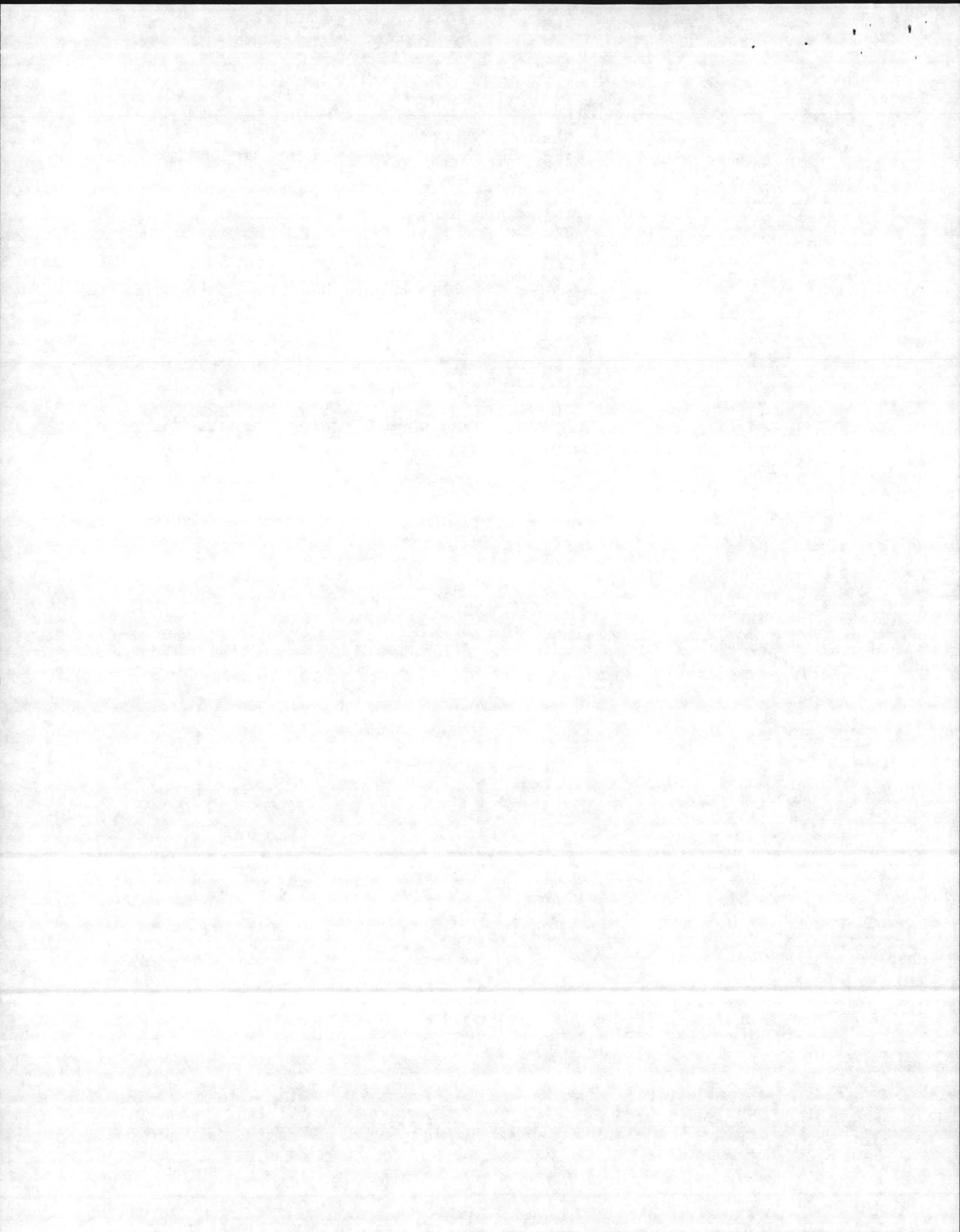
The Natural Resources and Environmental Affairs Division of the Assistant Chief of Staff, Facilities is responsible for management of natural resources and environmental programs through direct operational involvement in most program elements. In certain environmental programs, a coordinating role is provided. The division is organized thusly:







The Annual Operational Plan is a reflection of the long term multiple-use management plan prepared for guiding yearly accomplishments in woodland management operations (Part I), fish and wildlife management (Part II) and soils, water and environmental management (Part III) to assure use of operational funds in a manner that implements higher policy and minimizes misdirected efforts. Resource recovery (Part IV) and agriculture outlease (Part V), initiatives are developed to assure use of funds in a manner that implements higher policy and minimizes misdirected efforts. The planning and budgeting functions necessary to support the above goal are positive influences for a more effective resources management effort. Variables in the resource recycling program and the long term natural resource management formula cannot always be adequately predicted. For example quality and quantity of recyclable resources may vary and the market may fluctuate. Timber sales and income may be influenced by military training operations, wildfires and southern pine beetle epidemics. Also threatened and endangered species management and protection can be significant impact on the fish and wildlife program. The installation hazardous material/hazardous waste management program has been assigned to the NREAD function for development, and implementation. This program has created a significant impact requiring additional manpower and other resources.





## PART I

## FOREST RESOURCE MANAGEMENT

Forestry operations are indicated for treatment and are listed by cost account codes, fund requirements and priorities as follows:

3B10 Forestry Supervision and Management. Personnel included will perform operations such as forest management planning, compartment prescription, forest pest control management, general inspection and supervision, report preparation and other administrative functions (Priority 1).

Estimated management functions are as follows:

	<u>SALARIES</u>	<u>PLUS 15.45% F.B.</u>
GS-12(8) 1/2 Division Director, NREAD	(\$40,169)	\$23,187
GS-5(9) 1/3 Division Secretary, NREAD	(\$18,774)	7,225
GS-3(5) Forestry Clerk	(\$13,374)	15,440
GS-11(5) Forester Administrative	(\$30,796)	35,523
GS-9(3) Assistant Forester	(\$23,956)	27,657
GS-7(1) Timber Management Forester	(\$18,358)	21,194
Travel and Registration		5,000
Material and Supplies		3,500
Miscellaneous Support		4,500
Fuel for Forestry Engineering Equipment		8,000
Fuel for Forestry Fleet (management trucks and hauling units)		6,500
Maintenance of Forestry Fleet (management trucks and hauling units)		18,000
Maintenance of Forestry Engineering Equipment		<u>30,000</u>
		\$205,726

3B20 Reforestation. The planting of pine seedlings (sold 86, prep 87) is scheduled on 36 acres in Compartments 27 (stand 12). Site preparation (sold 87) for artificial regeneration is scheduled on 82 acres in Compartments 8 (stands 2 & 8) and 53 (stand 12). Natural regeneration (sold 86, prep 87) for pine is scheduled on 207 acres in Compartment 27 (stands 6 & 7) and 49 (stand 11) and 7 (stands 14 & 15). Site preparation (sold 87) for natural regeneration is scheduled on 306 acres of pine in Compartments 2 (stands 8 & 12), 8 (stand 5), 14 (stand 10), 38 (stands 4, 14 & 19), and 53 (stand 1 & 10). Survival checks are scheduled on 230 acres and regeneration checks are scheduled on 222 acres (Priority 4).





Estimated expenses for reforestation:

	<u>Salaries</u>	<u>Plus 15.75% F.B.</u>
GS-7(1)	17% Forest Technician	\$3,577
GS-5(5)	12% Forest Technician	2,230
GS-4(3)	8% Forest Technician	1,251
GS-4(3)	8% Forest Technician	1,251
Materials and Supplies		1,500
Pine Seedlings (30k Loblolly)		1,000
Maintenance and Repair of KG Blade		500
Maintenance and Repair of Rootrake		500
Maintenance and Repair of Bedding Harrow		1,000
Maintenance and Repair of Drum Chopper		1,000
WG-10 Heavy Equipment Operator (820 hrs @ \$17.55/hr)		<u>14,390</u>
		\$28,199

3B30 Timber Stand Improvement. Perform timber stand improvement by drum chopper for precommercial thinning on 165 acres in Compartments 5 (stand 13), 15 (stand 14), 48 (stand 25), and 24 (stand 7), (Priority 5)

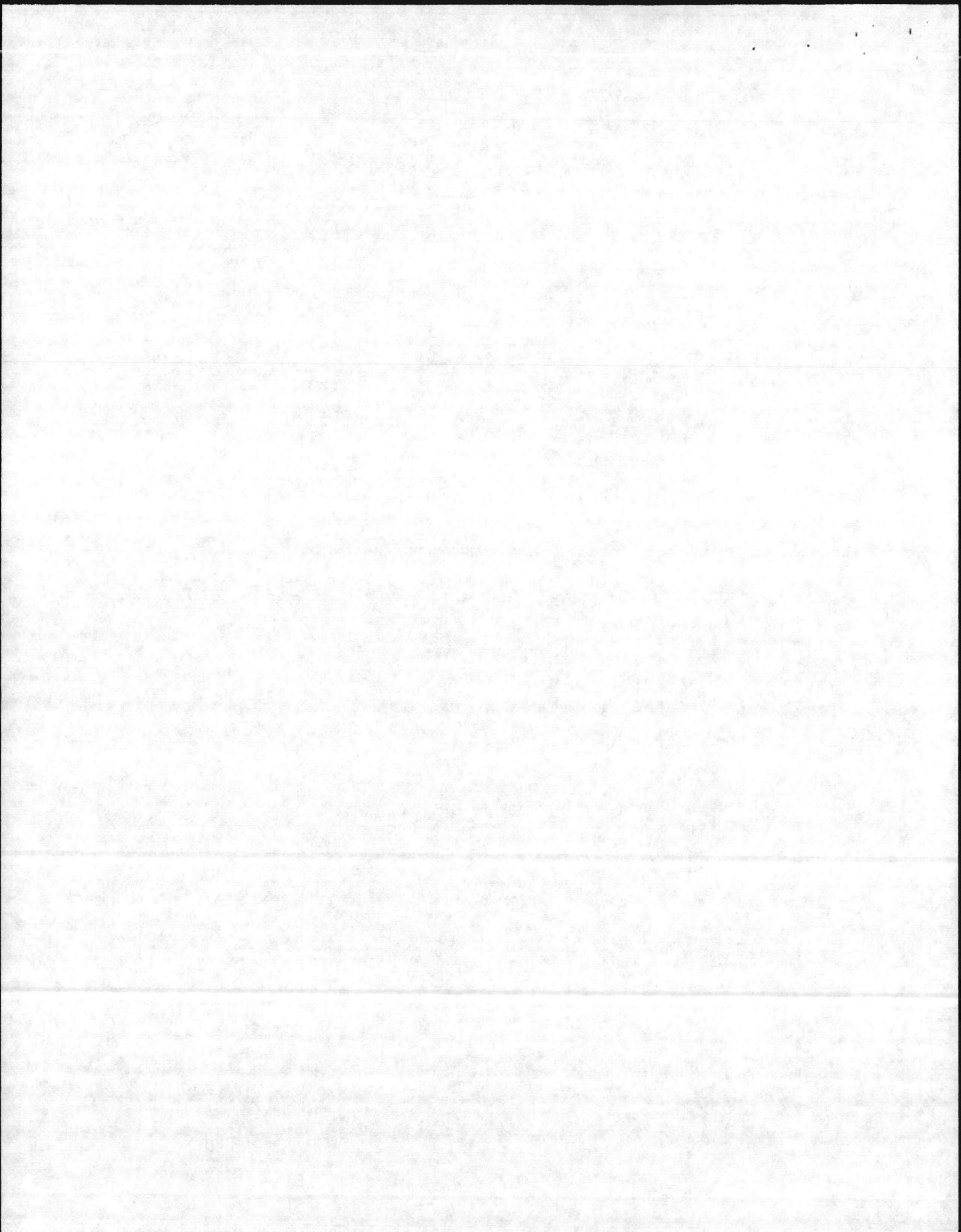
Estimated expenses for Timber Stand Improvement:

	<u>Salaries</u>	<u>Plus 15.54% F.B.</u>
GS-7(1)	2% Forest Technician	\$ 406
GS-5(5)	6% Forest Technician	1,115
GS-4(3)	6% Forest Technician	939
GS-4(3)	6% Forest Technician	939
GS-5(5)	6% Forest Technician	1,115
GS-4(3)	6% Forest Technician	939
GS-4(3)	6% Forest Technician	939
WG-10 Heavy Equipment Operator (120 hrs @ \$17.55/hr)		<u>2,106</u>
		\$8,498

3B40 Timber Sales. The estimated income from the sale of forest products in FY-88 is \$500,000. The income for FY-89 is estimated to be \$450,000. Most of the income for FY-88 will be generated by regularly scheduled sales in Compartments 15, 18, 22, 29, 33 and 50. Salvage harvesting, seedtree harvesting and construction sales will be made as required. (Priority 3)

Estimated expenses from timber sales:

	<u>Salaries</u>	<u>Plus 15.45% F.B.</u>
GS-7(1)	2% Forest Technician	406
GS-5(5)	17% Forest Technician	3,317
GS-4(3)	41% Forest Technician	6,624





GS-4(3)	41% Forest Technician	\$ 6,624
GS-5(5)	74% Forest Technician	14,186
GS-4(3)	66% Forest Technician	10,690
GS-4(3)	66% Forest Technician	10,690
Material and Supplies		<u>17,000</u>
		\$69,537

3B50 Timber Access Roads. Maintain 20 miles of timber access roads by seeding to perennial grasses for erosion control and right-of-way maintenance for fire control purposes. Install culverts, apply stone, and ditch and crown as required on approximately 13 miles in Compartments 1, 4, 37, 54 and 55.

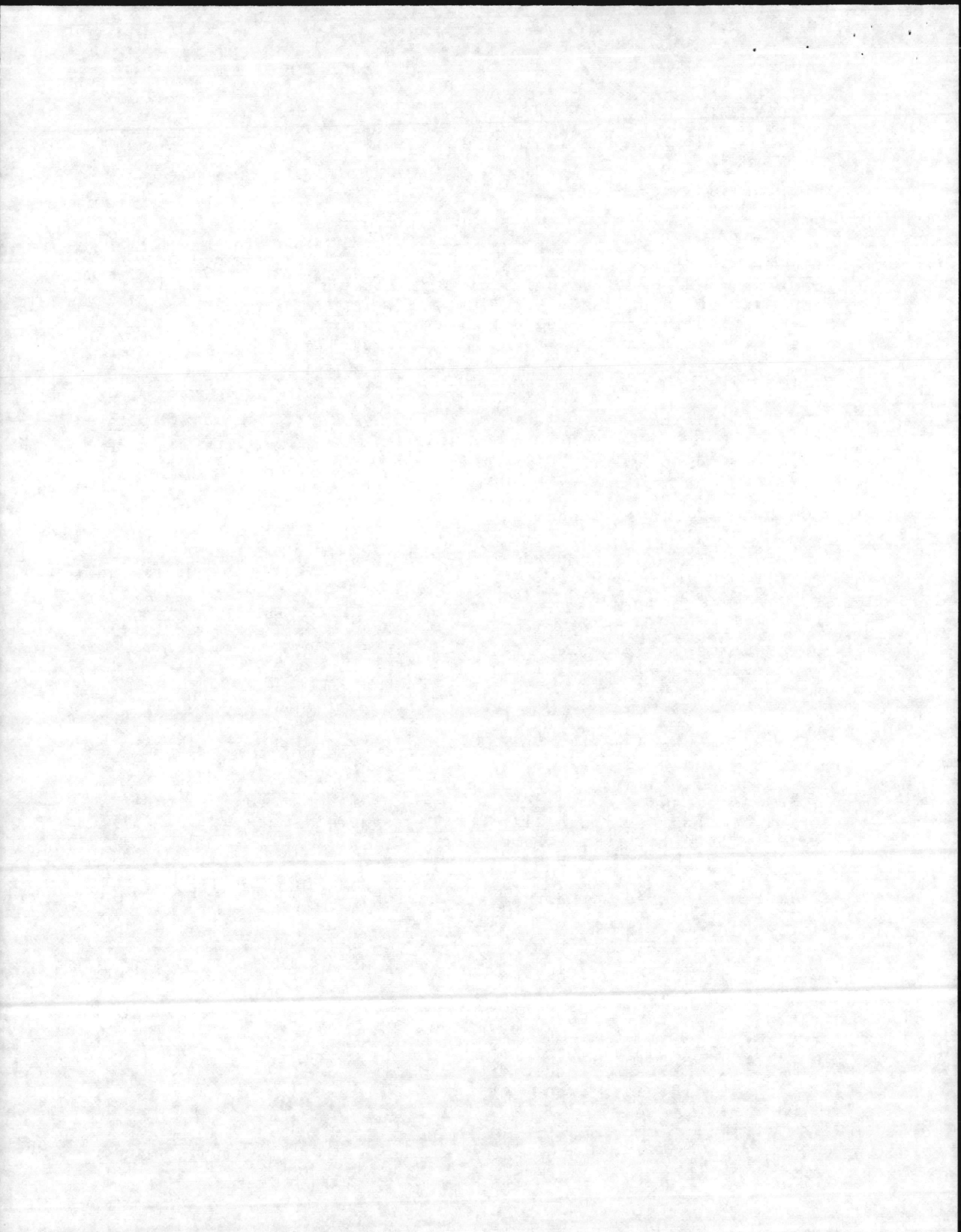
Estimated expenses for access roads: (Priority 6)

	<u>Salaries</u>	<u>Plus 15.45% F.B.</u>
GS-7(1)	2% Forest Technician	\$ 406
GS-5(5)	8% Forest Technician	1,487
GS-4(3)	8% Forest Technician	1,251
GS-4(3)	8% Forest Technician	1,251
WG-10	Heavy Equipment Operator (520 hrs @ \$17.55/hr)	9,126
	Material and Supplies	15,000
	Heavy Equipment Rental	2,856
	Motorgrader (80 hrs @ 8.93/hr = \$714)	
	850B Case Dozer (160 hrs @ 6.43/hr = \$1,029)	
	Gradeall (80 hrs @ \$13.91/hr = \$1,113)	
		<u>\$31,377</u>

3B60 Forest Protection. Prescribe burn 12 Compartments for hazard reduction and wildlife habitat improvement totaling approximately 15,169 acres. Control burn ranges and impact areas totaling 11,588 acres and red-cockaded woodpecker habitat totaling 844 acres. Perform southern pine beetle, other insects and disease measures over the entire Base. Perform forest fire suppression as required aboard the Base. (Priority 2)

Estimated expenses for forest protection:

	<u>Salaries</u>	<u>Plus 15.45% F.B.</u>
GS-7(1)	77% Forest Technician	\$16,409
GS-5(5)	58% Forest Technician	11,241
GS-4(3)	38% Forest Technician	6,256
GS-4(3)	38% Forest Technician	6,256
GS-5(5)	21% Forest Technician	4,088
GS-4(3)	29% Forest Technician	4,692
GS-4(3)	29% Forest Technician	4,692



Overtime and Hazard Duty for Forestry Personnel \$ 5,500

Wildfire Suppression:

WG-10 Heavy Equipment Operator (600 hrs @ 21.94/hr)	11,164
WG-10 Heavy Equipment Operator Weekend Standby (160 hrs @ \$26.33/hr)	4,213
WG-10 Heavy Equipment Operator Overtime for	4,500
TD-12 LGP Tractor and plow rental (300 hours @ \$17.22/hr)	5,166

Prescribed Burning:

WG-10 Heavy Equipment Operator (120 hrs @ \$17.55/hr)	2,106
TD-12 LGP Tractor and plow rental (40 hrs @ \$17.22/hr)	689
WG-10 Heavy Equipment Operator for standby on prescribed burning (240 hrs @ \$17.55/hr)	4,212

Miscellaneous Support:

Radio rental and maintenance	3,800
Torch Fuel	700
Maintenance and repair Slip-on-units	1,500
Materials and Supplies	4,000

\$101,184

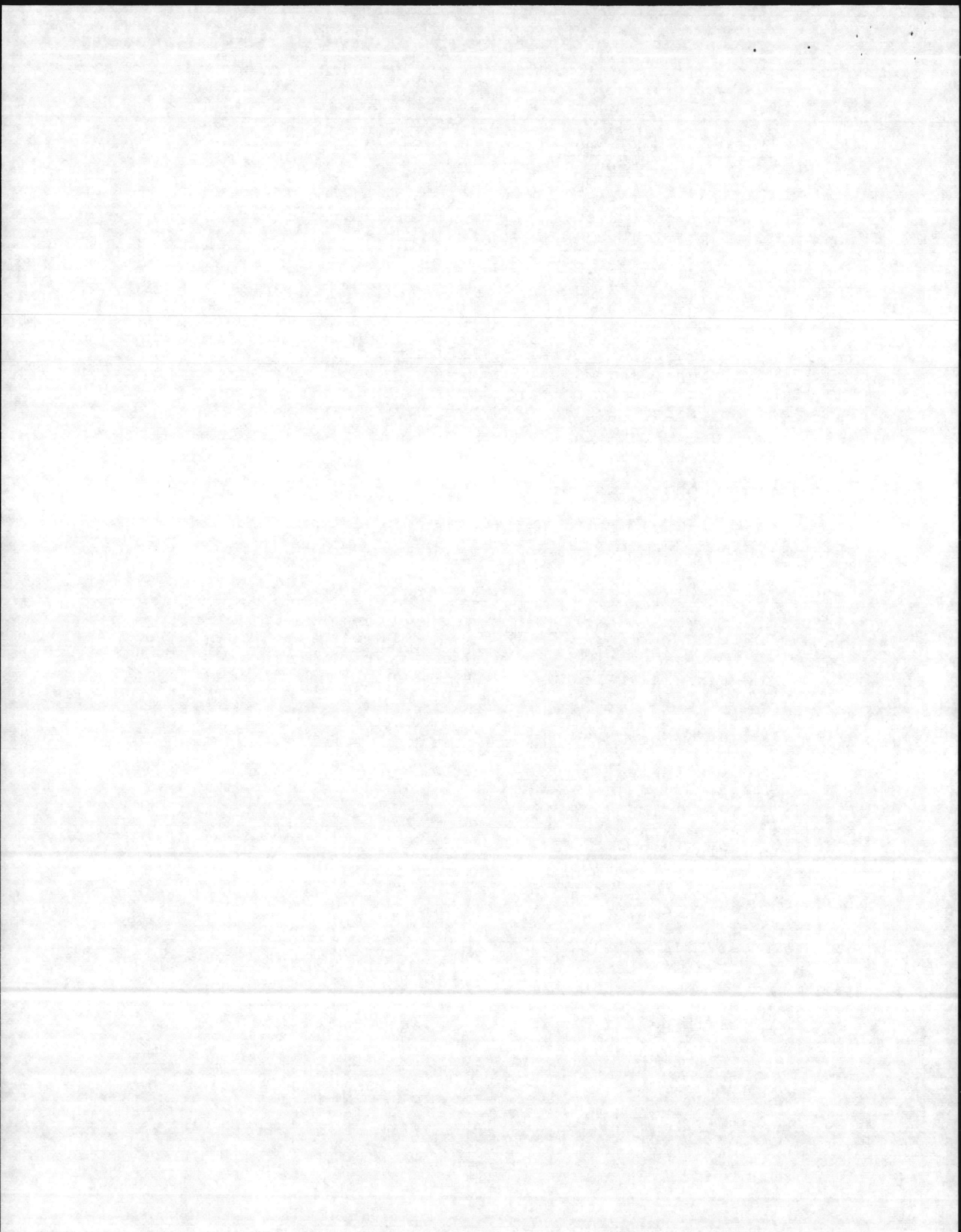
3B70 Forestry Equipment Purchases. Purchase two forestry crew cab 4 x 4's to replace older, uneconomical trucks. (Priority 7)

Crew Cab 4 x 4 Pickups (2 @ \$14,000 each)	\$28,000
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SUMMARY OF ESTIMATED EXPENSES

3B10 Forestry Supervision and Management (Priority 1)	\$205,726
3B20 Reforestation (Priority 4)	28,199
3B30 Timber Stand Improvement (Priority 5)	8,498
3B40 Timber Sales (Priority 3)	69,537
3B50 Timber Access Roads (Priority 6)	31,377
3B60 Forest Protection (Priority 2)	101,184
3B70 Forestry Equipment Purchase (Priority 7)	28,000





TOTAL FY FUNDING DATA - ACTUAL AND ESTIMATED

Current FY-87

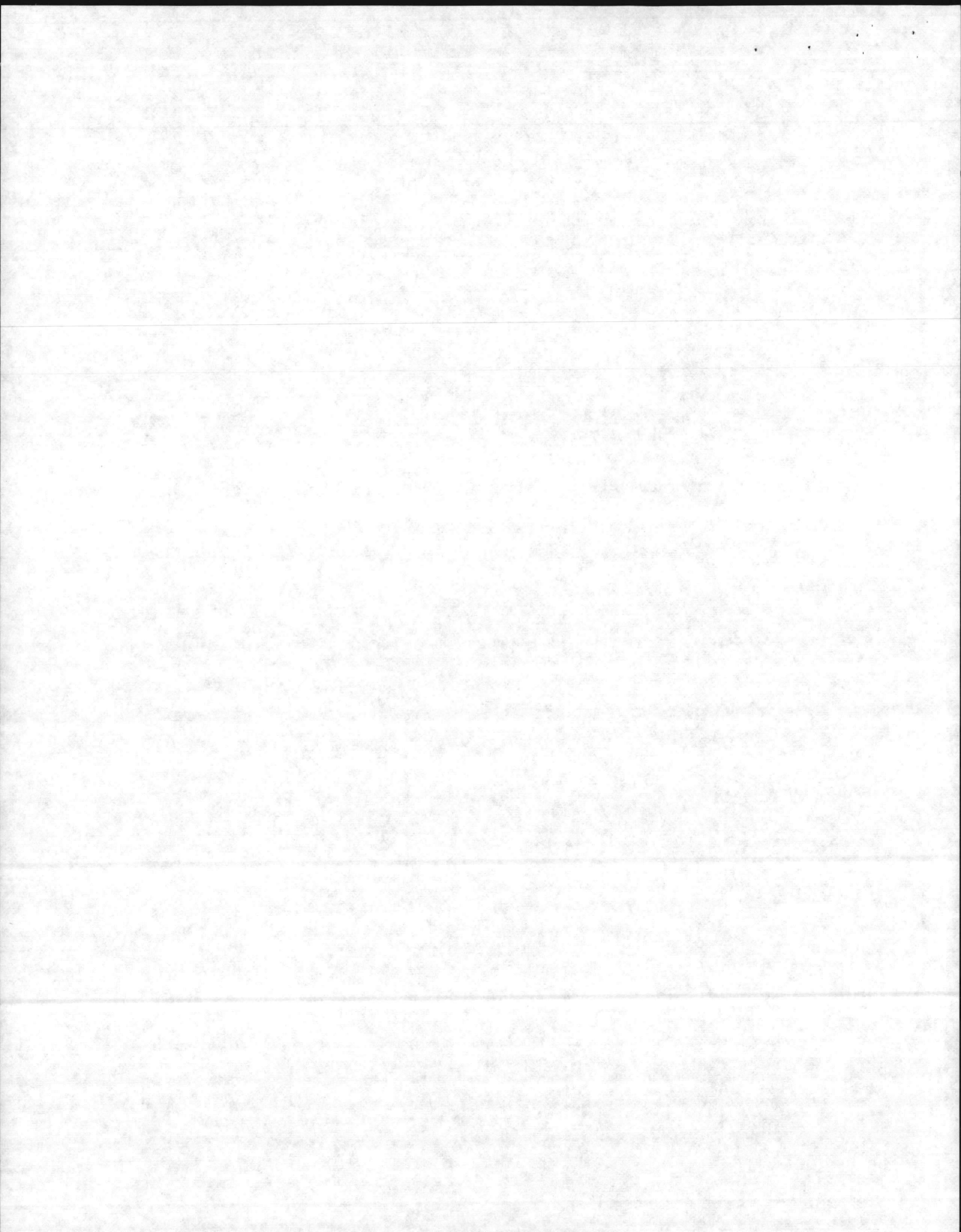
Budget FY-88

Budget FY-89

\$444,907

\$472,521

\$455,000





PART II

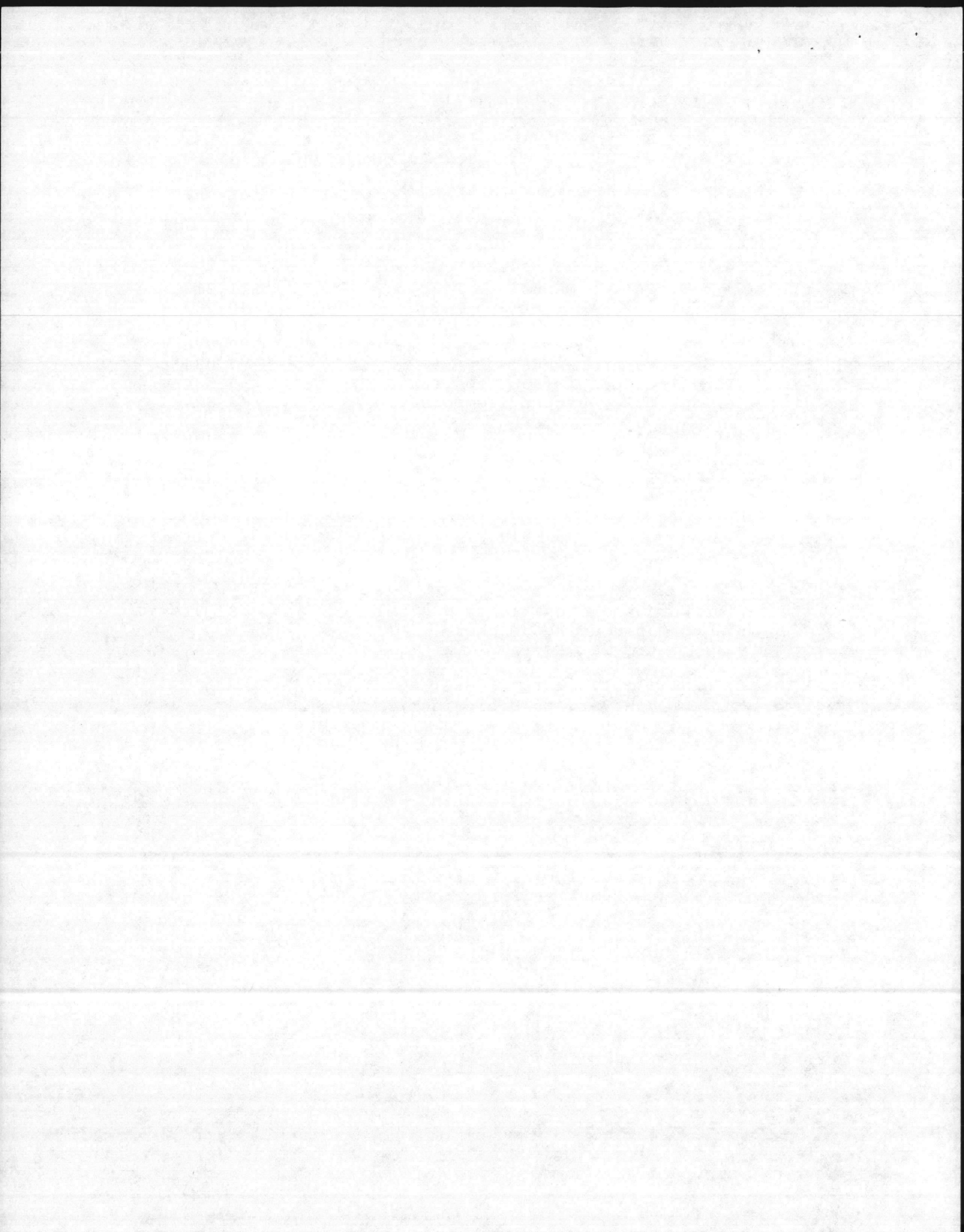
FISH AND WILDLIFE MANAGEMENT

Programmed operations by cost account codes, fund requirements and priorities for habitat improvement projects by station personnel as follows:

<u>CAC 9171 SALARIES</u>	<u>SALARY PLUS 15.45% F.B.</u>
GS-12(7) 1/4 Director, NREAD	\$11,310
GS-11(10) Wildlife Management Supervisor	40,783
GS-9(4) Wildlife Biologist	28,521
GS-8(9) Wildlife Technician	29,736
GS-5(8) 1/3 Secretary, NREAD	7,034
GS-5(1) Wildlife Technician (Temporary)	5,584
GS-4(1) Wildlife Technician (Temporary)	3,824
Travel & Registration	<u>4,438</u>
	\$131,230

WILDLIFE MANAGEMENT PROJECTS FUNDED UNDER MARINE CORPS HEADQUARTERS FUNDS CAC 9170 FOR COMPLETION DURING FY 1987

<u>PROJECT</u>	<u>ESTIMATED COST</u>
1. Prescribe burn and clear woody debris from around Red-Cockaded Woodpecker cavity trees.	\$2,918
<u>IMPACT STATEMENT.</u> Failure to accomplish project would be contrary to biological opinion rendered under Section 7, Public Law 93-205 (Priority 1)	
2. Conduct aerial surveys over Onslow Beach and Brown's Island area during nesting season of threatened sea turtles.	3,500
<u>IMPACT STATEMENT.</u> Failure to complete project would limit availability of winter cover crops for supplementing grazing by game and nongame species. (Priority 2)	
3. Plant winter grains in wildlife openings for deer and other game and nongame.	20,128
<u>IMPACT STATEMENT.</u> Failure to complete project would limit availability of winter cover crops for supplementing grazing by game and nongame species. (Priority 3)	



4. Repair water control structures and drain pipe for Green-tree waterfowl impoundment. 3,700

IMPACT STATEMENT. Failure to make repairs to the impoundment could cause the dam to break and result in siltation to a salt water shellfish area. (Priority 4)

5. Apply liquid nitrogen to wildlife openings planted to winter grains for game and nongame species. 3,485

IMPACT STATEMENT. Failure to make nitrogen application to winter cover crops will limit the productivity and maximum utilization of the wildlife clearings for game and nongame species. (Priority 5)

6. Technical assistance including fish for stocking, water chemistry evaluations, population inventories, fertilization and applying limestone to freshwater ponds. 1,340

IMPACT STATEMENT. Failure to complete project will limit productivity of freshwater ponds for recreational fishing opportunity. (Priority 6)

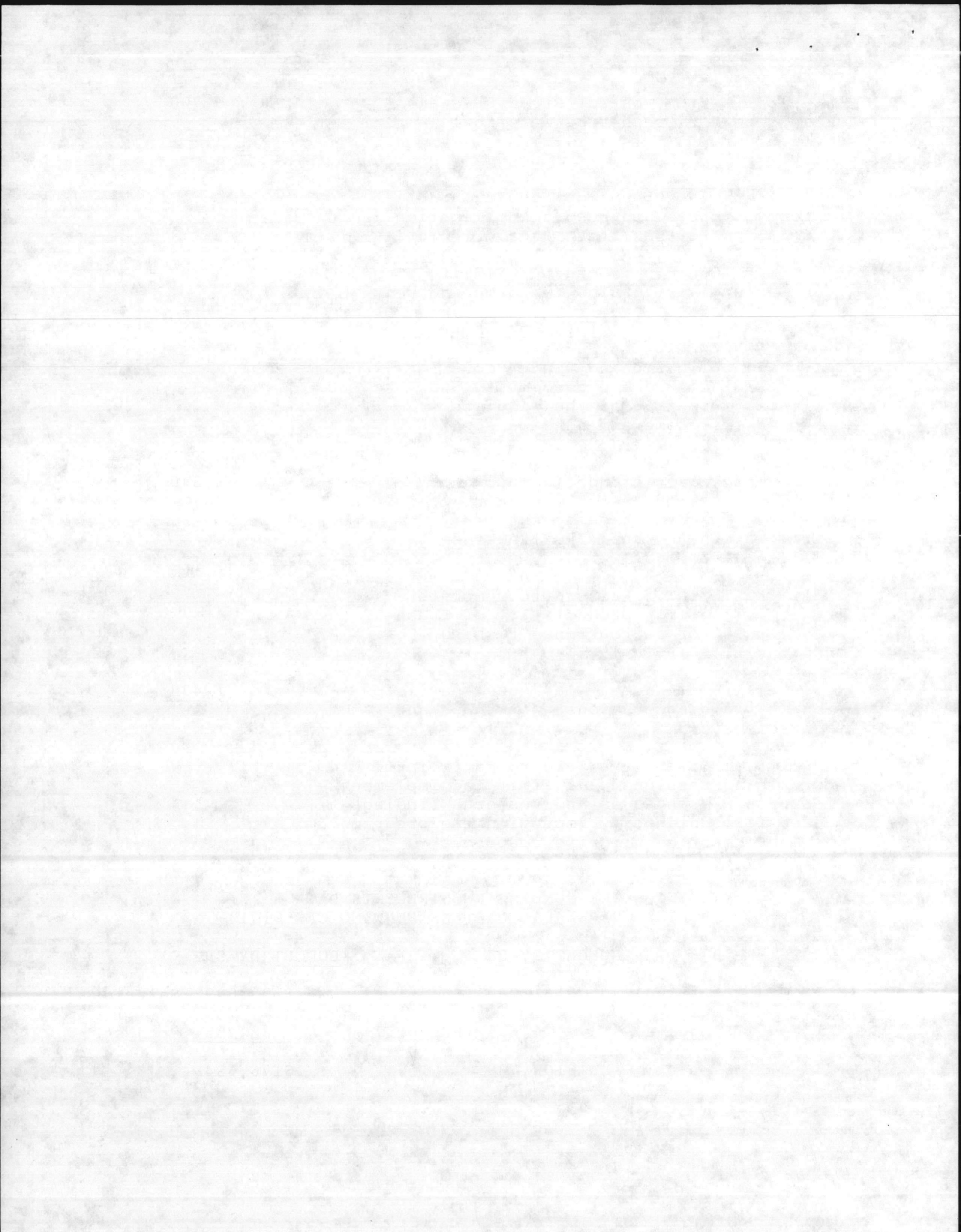
7. Wildlife Management personnel participation in training sessions, workshops and conferences. 1,438

IMPACT STATEMENTS. Failure to participate in training sessions will limit the implementation of new techniques and research findings needed for continually improving the program for management of wildlife resources. (Priority 8)

WILDLIFE FUNDING REQUIREMENTS DATA  
(MARINE CORPS HEADQUARTERS FUNDING CAC 9171)

<u>CURRENT FY-87</u>	<u>BUDGET FY-88</u>	<u>BUDGET FY-89</u>
\$124,722 (Salaries)	\$131,230 (Salaries)	\$137,899 (Salaries)
<u>23,150</u> (Projects)	<u>36,509</u> (Projects)	<u>38,755</u> (Projects)
\$147,872	\$167,739	\$176,654





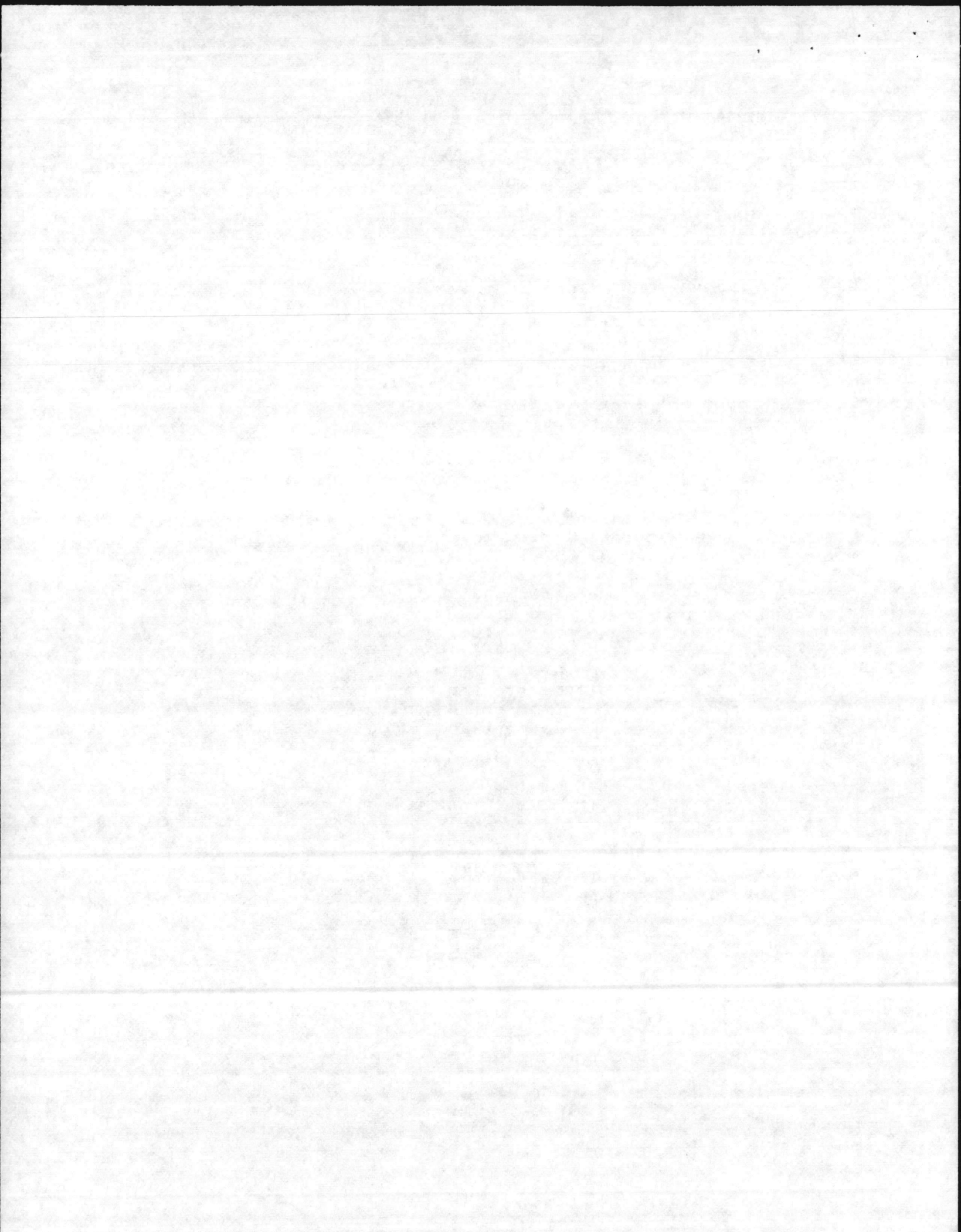
WILDLIFE MANAGEMENT PROJECTS FUNDED UNDER CAC-17X NONAPPROPRIATED

<u>PROJECT</u>	<u>ESTIMATED COST</u>	<u>PRIORITY</u>
1. Plant wildlife openings to summer annuals, for quail, dove, rabbit, wild turkey, & other game and nongame species.	\$15,313	1
<u>IMPACT STATEMENT.</u> Failure to provide will limit habitat improvement projects designed to provide diversity for a variety of species in the vegetative complex.		
2. Improve habitat diversity by developing new wildlife openings for game and nongame species.	4,679	2
<u>IMPACT STATEMENT.</u> Failure to complete project will limit long range planning efforts to improve habitat conditions for wildlife resources listed in the ten year plan.		
3. Disc out leave areas for quail nesting cover prior to prescribed burning activities and plant bicolor lespedeza seedlings.	4,964	3
<u>IMPACT STATEMENT.</u> Failure to complete project would limit long range management efforts in the quail management and other habitat throughout the base.		
4. Miscellaneous expenses for materials and supplies in support of the fish and wildlife program.	1,248	

TOTAL NONAPPROPRIATED FUNDS REQUIRED

WILDLIFE FY FUNDING REQUIREMENT DATA (PERMIT FUND)

<u>CURRENT FY-87</u>	<u>BUDGET FY-88</u>	<u>BUDGET FY-89</u>
\$23,390	\$26,204	\$28,422





PART III

SOIL AND WATER CONSERVATION

1. Mission. The Soil and Water Conservation Program is managed by the Soil, Water and Environmental Branch, Natural Resources and Environmental Affairs Division (hereafter referred to as "the Branch"). The Branch is responsible for developing and implementing the natural resources planning and environmental protection program. The program is directed in the following general areas:

a. Providing compliance monitoring and related laboratory support for drinking water supplies and treatment and distribution systems.

b. Providing compliance monitoring and related laboratory support to the operation of sewage treatment facilities and the collection, pretreatment and disposal of industrial wastes and wastewater.

c. Providing technical assistance, compliance monitoring, related laboratory support required for the identification of hazardous materials and hazardous wastes regulated under the Resource Conservation and Recovery Act and related state regulatory programs.

d. Developing/updating contingency plans and providing related technical assistance required to manage spills and related state regulatory programs.

e. Coordinating NREAD review of environmental impact assessments and development and revision of the Long Range Natural Resources Management Plan.

f. Monitoring implementation of erosion and sedimentation control plans and projects.

FISCAL YEAR - 88

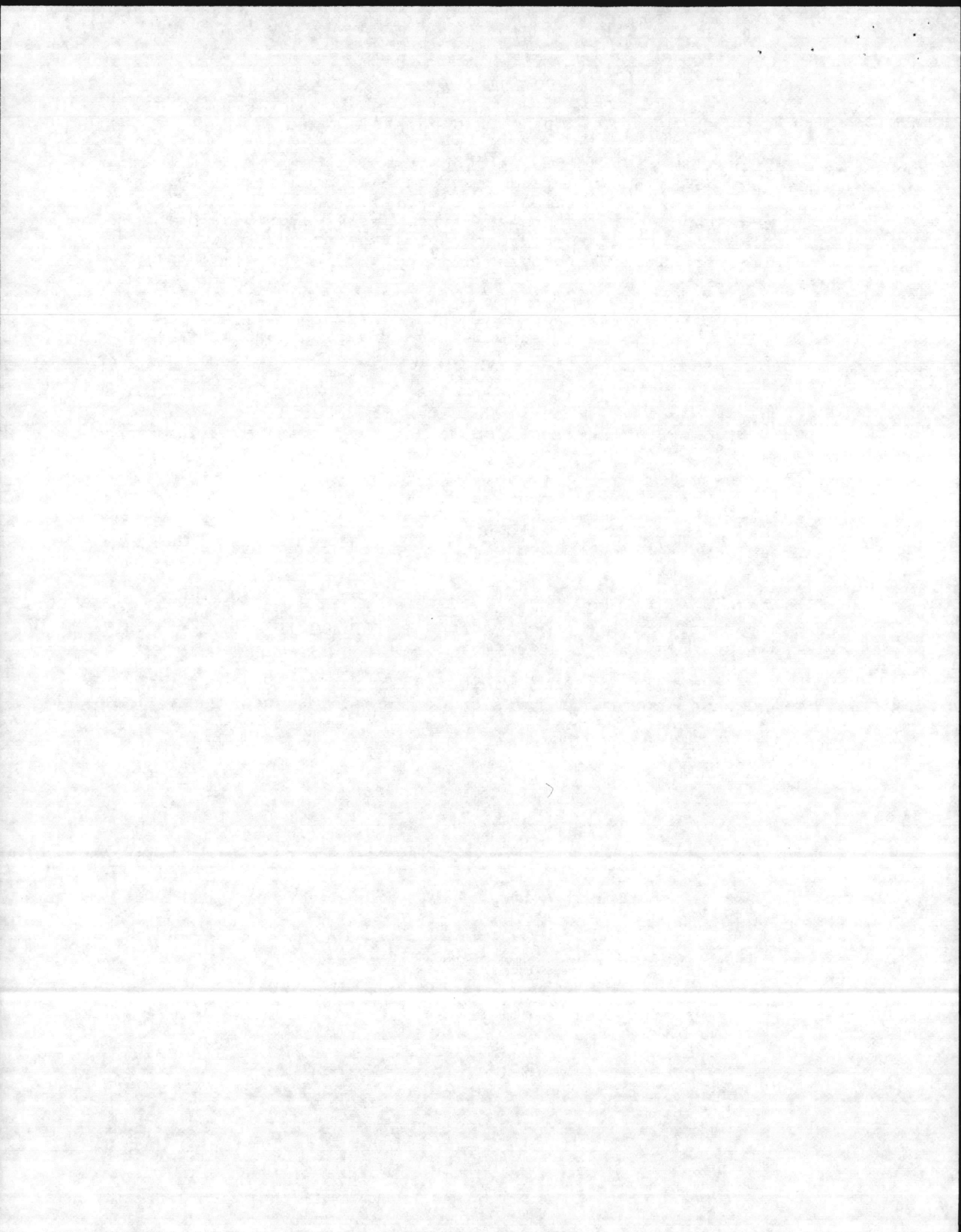
2. Operating Budget

Projected Amount

a. Personnel (Salary (as of 4 Jan 87)  
Plus 15.75% and Overtime):

(1) Salaries and Overtime Chargeable to  
Environmental Chemistry & Microbiology Section

(a) Supvy Chemist GS-11 (4)	\$ 34,598
(b) Env Con Spec GS-9 (2)	26,862
(c) Supvy Phy Sci Tech GS-9 (1)	25,995
(d) Phy Sci Tech GS-7 (9)	26,917



(e) Phy Sci Tech GS-6 (2)	19,761
(f) Phy Sci Tech GS-6 (1)	19,123
(g) Laboratory Related Overtime (GS-7 (1) @ 10 hrs/mo = \$1,986.27)	2,000
(h) Clerical Support (1/2 Clerk/Typist GS-3 (1))	<u>6,831</u>
TOTAL	\$162,087

(2) Other Branch Salaries and Overtime

(a) Supvy Ecologist GS-11 (8)	38,792
(b) Env Control Specialist GS-11 (3)	33,549
(c) Biological Tech GS-9	36,695
(d) Biological Tech GS-9 (1)	25,995
(e) Biological Tech GS-9 (1)	25,995
(f) Soil Cons Tech GS-6 (4)	21,036
(g) 1/4 Div Director GS-12 (7)	11,310
(h) Emergency Spill Response Overtime	1,500
(i) Clerical Support (1/2 Clerk/Typist GS-3 (1))	<u>6,831</u>
TOTAL	\$201,703

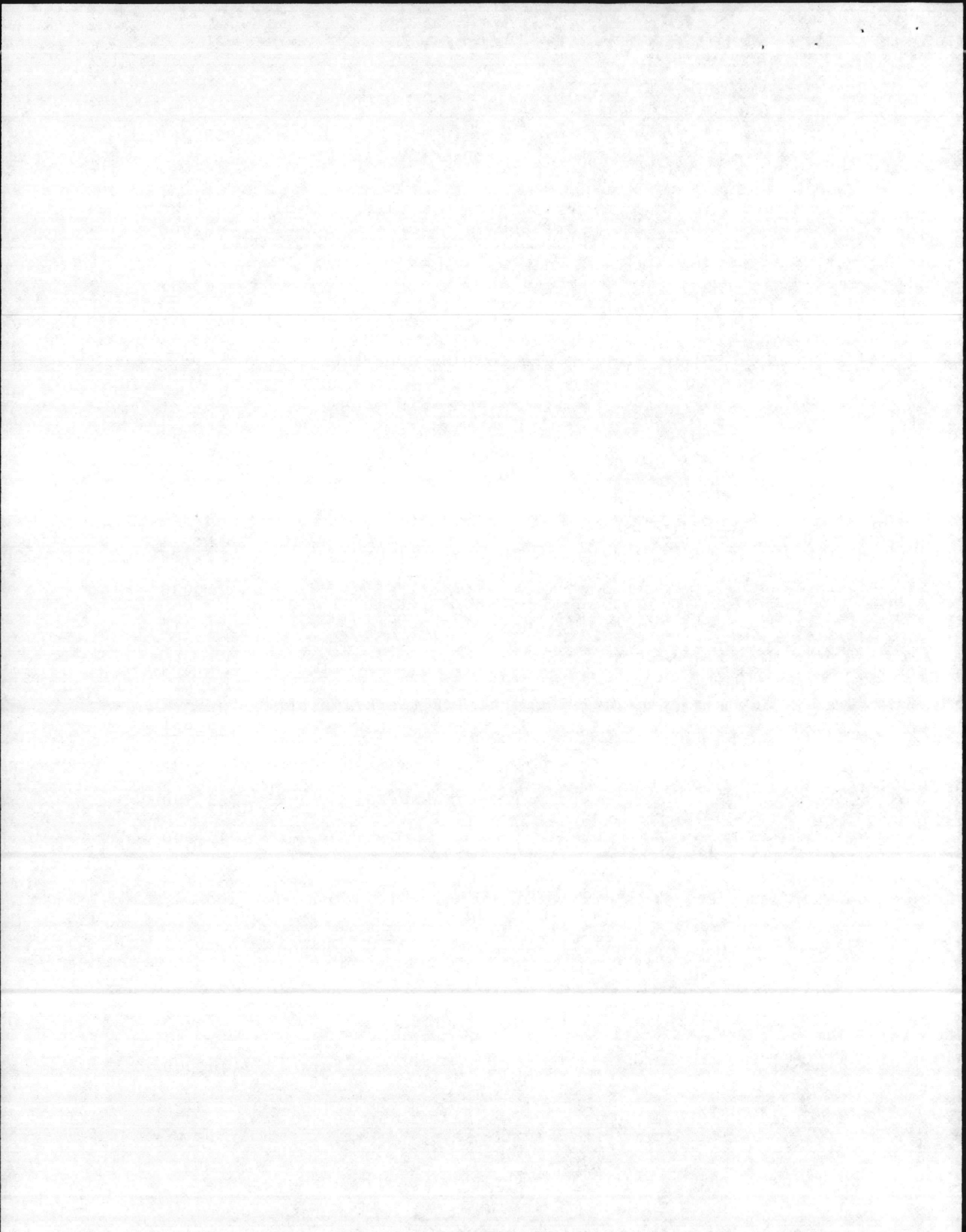
TOTAL SALARIES \$363,790

b. Supplies & Equipment Maintenance 45,000

c. Contract Laboratory Services

(1) Compliance Monitoring & Laboratory Quality Control	\$ 20,000
(2) Hazardous Waste, Waste Oil & Groundwater Monitoring	120,000
Total	\$140,000





d. TAD

(1) Cost of On-Site Training for  
Hazardous Waste Managers and Hazardous  
Waste Handlers within each major  
command aboard the Camp Lejeune-MCAS  
New River Complex

\$20,000

(2) Other Seminars

2,000

Total \$ 22,000

e. Equipment Purchases

(1) Replacement

16,250

(2) New

7,500

Total \$ 23,750

Grand Total \$594,540

FY-89

1. No increase in personnel expected except step increases.
2. No major increases in funding for equipment expected.
3. No major increases in supplies or maintenance expected.

Estimated: \$600,000

SOIL, WATER AND ENVIRONMENTAL BRANCH FUNDING REQUIREMENTS

Current FY-87

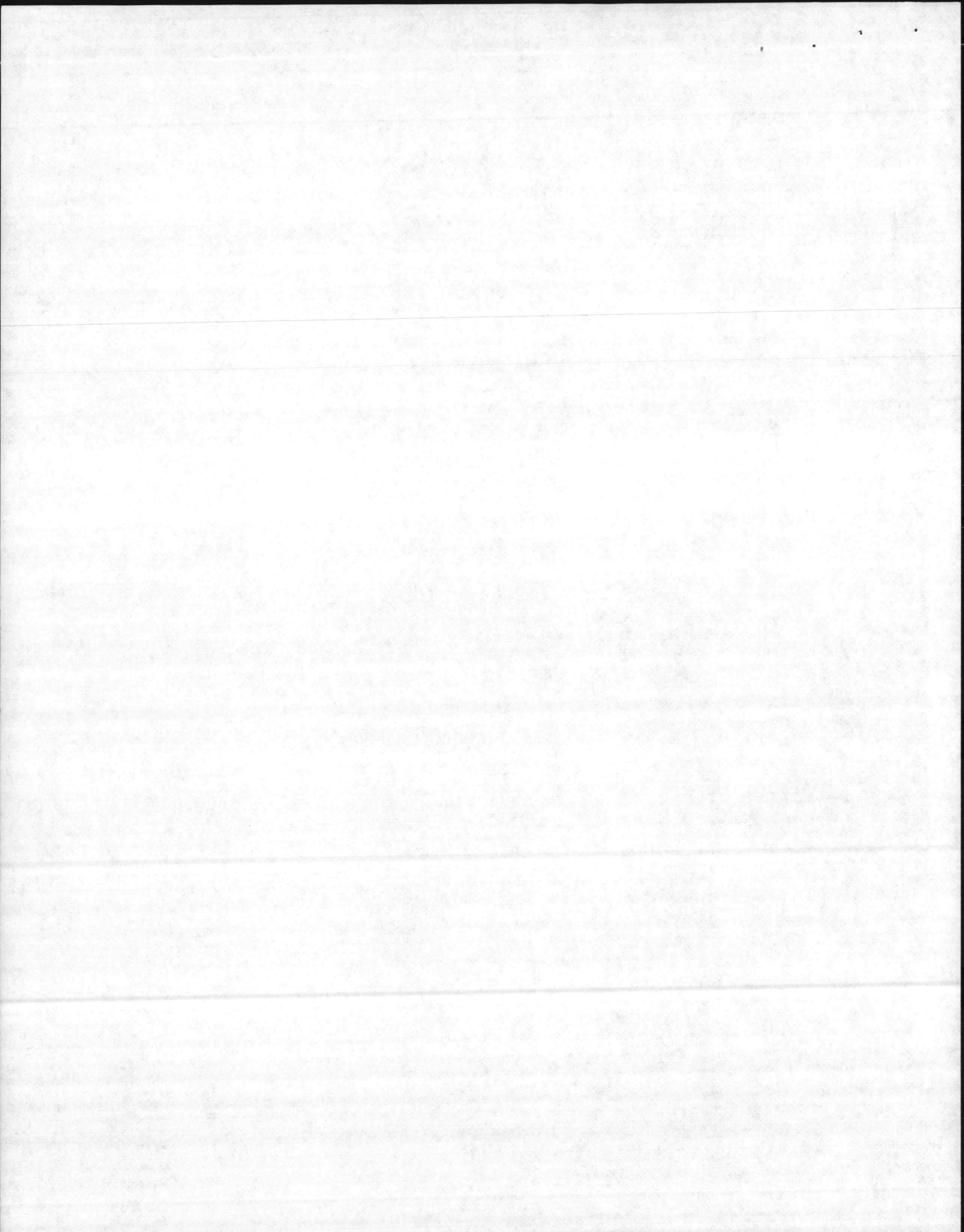
FY-88

FY-89

\$360,750

\$594,540

\$600,000





PART IV

AGRICULTURAL OUTLEASE MANAGEMENT

Agricultural Outlease Supervision and Management. Personnel will perform various multi-land use management activities including general administrative support for the Natural Resources and Environmental Affairs Program, budget preparation, soil conservation program implementation, archaeological and historical resources program implementation, natural resources research project management and Natural Resources and Environmental Affairs Division LUMS manager. Existing position is to be financed by Agricultural Outlease (H-6) Funds.

Estimated management functions are as follows:

	<u>SALARIES</u>	<u>PLUS 15.75% F.B.</u>
GS-9 (5) Intergrated Multiple-Use Land Management Administrator		\$25,500
GS-4 (2) Clerk Typist (NREAD)		<u>13,248</u>
	TOTAL	\$38,748

WILDLIFE PROJECT FUNDED UNDER THE ANNUAL AGRICULTURAL OUTLEASE PROGRAM (H-6 Funds)

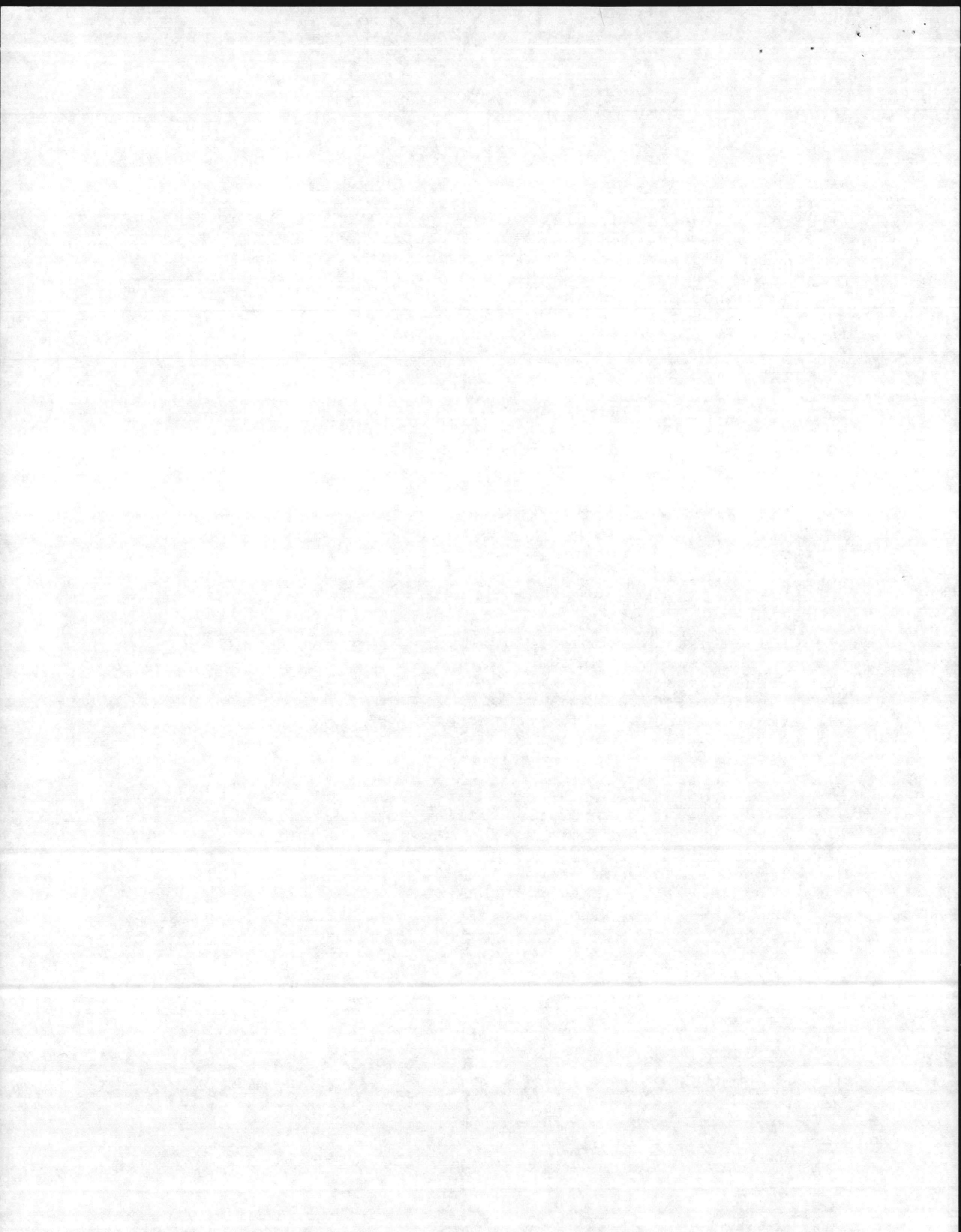
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| 1. Maintain and stabilize 20 miles of forest access roads through the planting of forage crops for wildlife resources. Plant materials will consist of various legeumes and annual mixtures for utilization by both game and nongame species. (Priority 1) | \$6,485 |
|--|---------|

Impact Statement. Failure to fund project will result in soil erosion problems to forest access roads, reduce availability of forage to wildlife and limit road access for training, management and recreational opportunity.

Total	\$6,485
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TOTAL FUNDING REQUIREMENTS:

<u>Current FY-87</u>	<u>Budget FY-88</u>	<u>Budget FY-89</u>
\$38,000	\$39,500	\$43,500
	<u>6,485</u>	<u>8,000</u>
	\$45,985	\$51,500



PART V

RECYCLING PROGRAM

Recycling Program. Marine Corps Base stands to receive several thousand dollars to use in defraying the cost of collecting and transporting certain recyclable items and to fund Base pollution abatement, morale, welfare, recreation activities, occupational safety and health and energy conservation programs.

During FY-86, \$138,000 was generated for brass and \$30,000 for metal and \$2,000 for cardboard totaling \$170,000.

Estimated management functions are as follows:

<u>SALARY</u>	<u>PLUS 15.75% F.B.</u>
GS-9 (1) Recycling Program Administrator	\$22,458
Estimated cost for Labor and Vehicle Use to Cardboard and Metal - Collection and Transportation	42,002
Workshops, Conferences, Meetings	<u>1,500</u>
Total	\$65,960

Projects Planned for Accomplishment in FY-87

a. Corrugated Cardboard and site preparation and installation recycling equipment	\$ 52,020
b. Morale, Welfare & Recreation Activities (Complete Risley Fishing Pier)	52,020
Total	<u>\$104,040</u>
Grand Total	\$170,000

TOTAL FUNDING REQUIREMENTS:

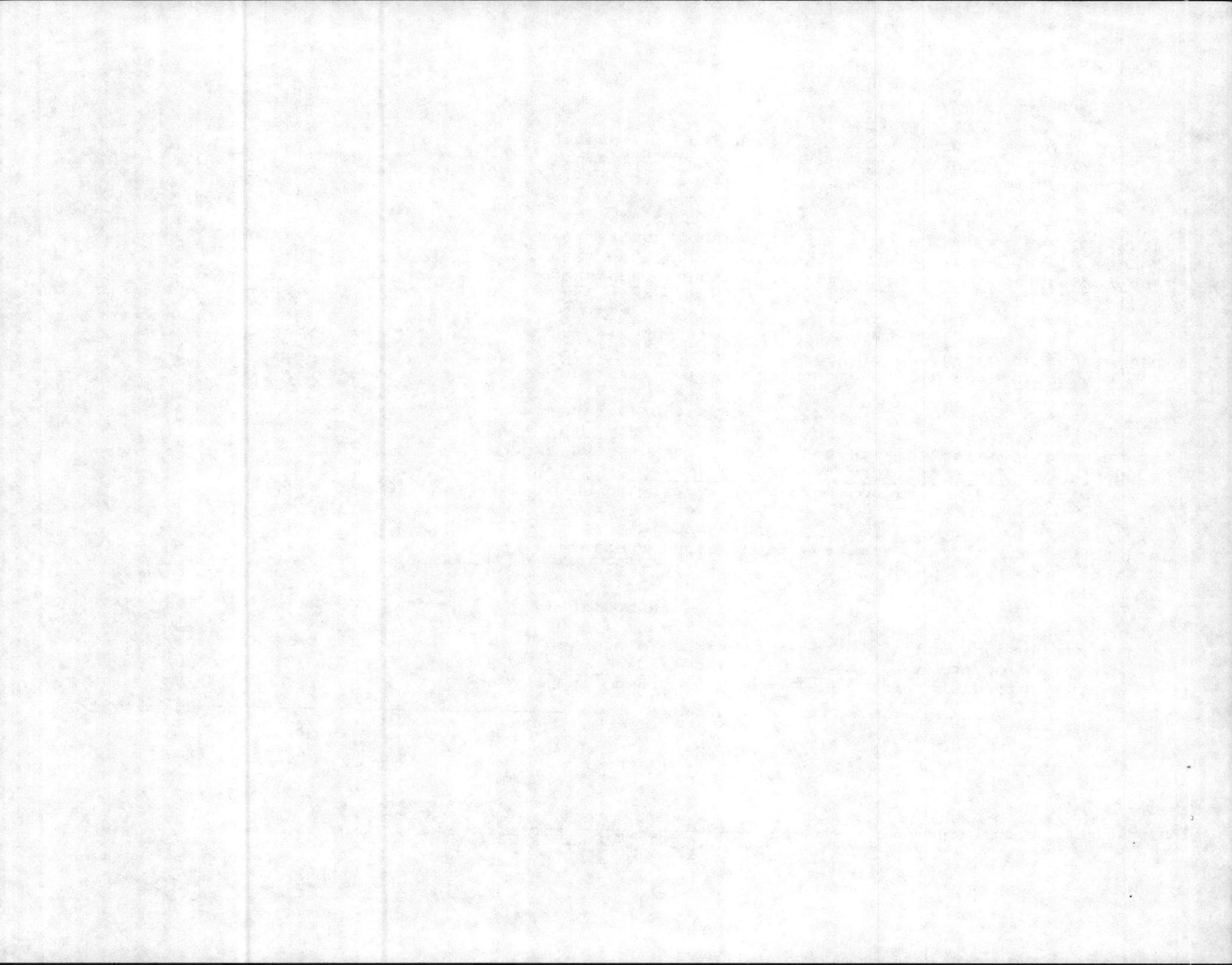
<u>Current FY-87</u>	<u>Budget FY-88</u>	<u>Budget FY-89</u>
\$170,000	\$187,000	\$205,700





DEFICIENCY SUBMISSION EXHIBIT  
Fys 87-90

PRI	FY 87 Midyear AMT	FY 88 Budget AMT	FY 89 BY+1 AMT	FY 90 EY+2 AMT	NARRATIVE JUSTIFICATION
1	-0-	15	15	15	<p><u>LUMS Operating Expenses:</u> Hardware supplies (plotter pens, paper, computer tapes) required to operate a network of computer mapping equipment being installed 3d qtr FY 87 under HQMC contract. Annual recurring requirement.</p> <p><u>Impact if not provided:</u> Automated system will not function; Marine Corps can not conduct acceptance test of \$1.0 mil contract.</p>
1	-0-	50	30	30	<p><u>LUMS Data Base Digitizing Contract:</u> Acquisition of digital data from Defense Mapping Agency, USGS, and NC Land Resource Information Service for land management including support for the EIS for Land Acquisition. Annual Requirement.</p> <p><u>Impact If Not Provided:</u> Delays in completing EIS may occur, resulting in delays in Marine Corps acquisition process and training land development.</p>
1	-0-	114	120	-0-	<p><u>USGS Groundwater Study Phase II:</u> Continue study to document groundwater supply for 1990-2000 and beyond; define groundwater management (where to locate new wells) as affected by groundwater contamination: Study complete FY 89.</p> <p><u>Impact If Not Provided:</u> Potential contamination of presently "clean" wells may occur due to lack of data on groundwater movement; possible impact on ability to meet growing MCB water supply demands.</p>
2	12	12	-0-	-0-	<p><u>New River Shore Protection Study:</u> Corps of Engineers cooperative study to design erosion controls for critical</p>





areas, integrating rubble disposal from construction sites where applicable; required for archaeological site protection per MCB Historic Preservation Plan, 1986.

Impact If Not Provided: Structural damage to ramps and abutments will occur due to collapsing shorelines; restricted amphibious training will occur; compliance with National Historic Preservation Act can be questioned.

2      -0-      140      20      20

Underground Tank Leak Detector: Purchase/Install equipment on 30 large existing tanks and 25 medium tanks in compliance with State of North Carolina deadline of 1 January 1989 to have equipment functional. \$20K annual maintenance contract required with mandatory reports to the State.

Impact If Not Provided: Excessive costs of cleaning up tank leaks can occur due to lack of early warning data on leaks (i.e. similar to FY-86 costs of \$92K for 2 fuel recovery projects); non-compliance with NC rules may cause enforcement actions by State.

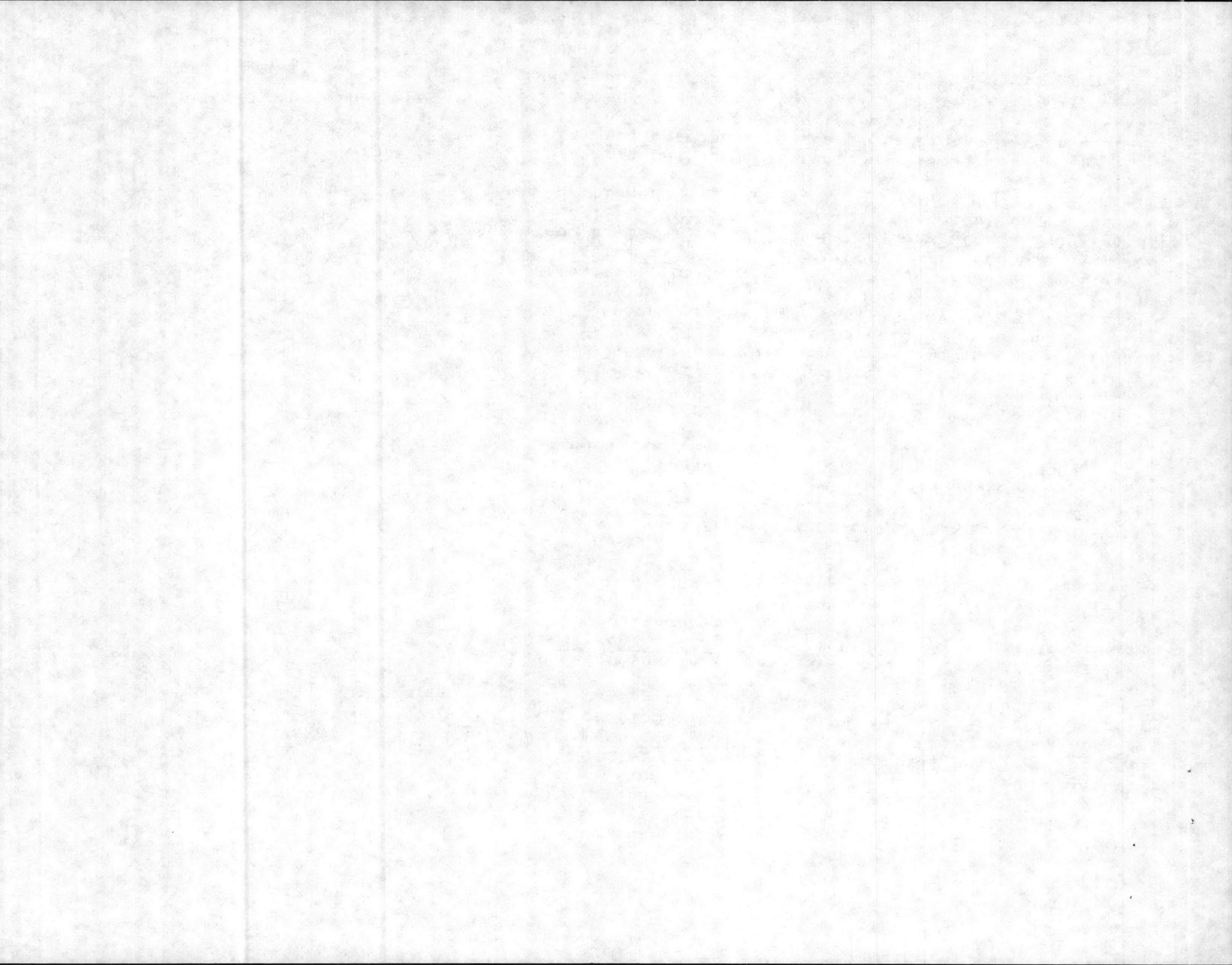
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Onslow Beach Coastal Management Study Phase II: Design protective measures to ensure amphibious training area is perpetually maintained for Marine Corps training. Phase I developed baseline geologic and oceanographic data; Phase II evaluates natural vs. man-induced erosion and designs protection plan. Study complete FY 89.

Impact If Not Provided: Planning of major military exercises and FY 90 construction projects is hampered due to lack of documented erosion rates and design data; compliance with N.C. Coastal Management rules can be questioned.

2      242      242      70      70

Historic Resources Protection: Preservation of historical records, Phase II testing of areas near Indian ossuary at Jarretts Point, and Phase II testing of 20-plus sites affected by proposed Mechanized Movement Course is required per MCB Historic Protection



Plan, December, 1986 and as mitigation measures per Environmental Assessment being drafted for MMC project.

Impact If Not Provided: Development of mechanized maneuver training area cannot be initiated until assurance is provided, no historic sites will be disturbed.

3

100

100

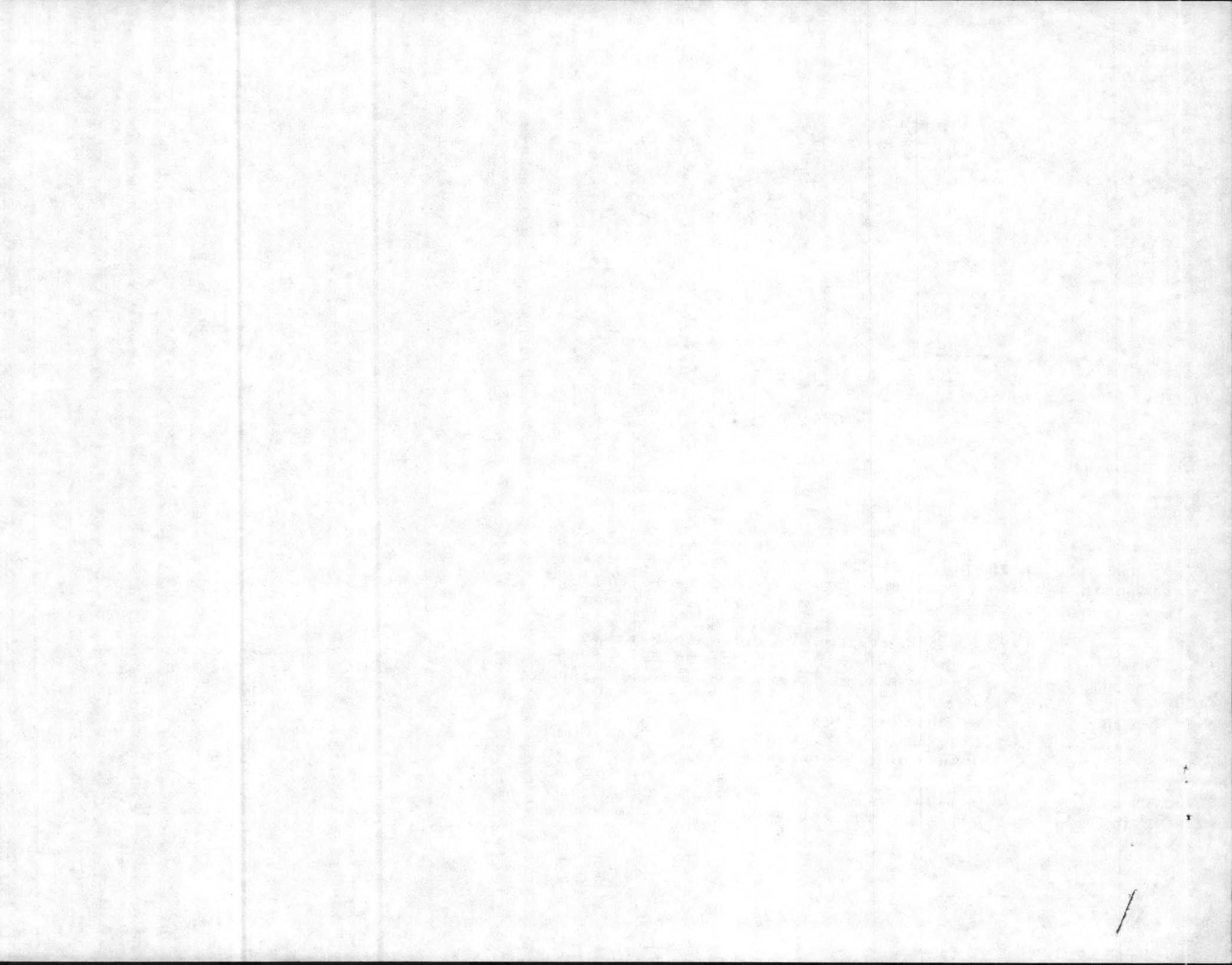
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Basewide Asbestos Analysis: Identify all buildings containing asbestos insulation to be removed during renovation/demolition projects, FY 87-91.

Impact If Not Provided: Project cost increases from 5% to 100% of estimated renovation costs can be anticipated due to lack of adequate data on asbestos in the initial project estimate.





T-7102  
7100  
NREAD  
11 Mar 85

From: Director, Natural Resources and Environmental Affairs  
Division, Marine Corps Base, Camp Lejeune  
To: Base Maintenance Officer, Marine Corps Base, Camp  
Lejeune (Attn: Finance & Accounting Branch)

Subj: Budget Requirements/Input FY-86/87

Ref: (a) BMO ltr 7000 MAIN of 27 Feb 85

Encl: (1) Draft copy of NREAD Annual Operational Plan

1. In response to the reference, the enclosure is provided.

J. I. WOOTEN



1  
2  
3

THE  
UNITED STATES  
DEPARTMENT OF  
COMMERCE  
BUREAU OF  
ECONOMIC ANALYSIS  
WASHINGTON, D. C.



## PART I

FOREST RESOURCE MANAGEMENT

Forestry operations are indicated for treatment and are listed by cost account codes, fund requirements and priorities as follows:  
3B10 Forestry Supervision and Management. Personnel included will perform operations such as forest management planning, compartment prescription, forest pest control management, general inspection and supervision, reporting and other administrative functions. (Priority 1)

Estimated management functions are as follows:

<u>SALARIES</u>	<u>(PLUS 15.75% F.B.)</u>
GS-12 (6) 1/2 Division Director, NREAD (36,889)	21,350
GS-5(8) 1/3 Secretary, NREAD (17,750)	6,849
GS-3(4) 1/3 Secretary, NREAD (12,604)	4,863
GS-11(4) Forester(Supervisor) (22,018)	33,588
GS-9(4) Assistant Forester (23,485)	27,763
GS-9(1) Timber Management Forester (21,804)	25,238
Travel and Registration	5,000
Miscellaneous Materials and Supplies	1,500
Fuel for Forestry Engineering Equipment	10,000
Maintenance for Forestry Engineering Equipment	30,000
Fuel for Forestry Transportation Equipment (includes Forester Fleet and Hauling Units)	6,000
Maintenance of Forestry Transportation Equipment (includes Forestry Fleet and Hauling Units)	10,000
Preparation of Natural Resources Management Plan	25,000
	<hr/>
TOTAL	207,151

3B20 REFORESTATION. Planting of pine seedlings and direct seeding is scheduled on 365 acres, in compartments 7, 9, 22, 30 and 46.



Planning will be on a spacing of 7 feet by 14 feet and will be accomplished by planting machine and hand planting. Site preparation for artificial regeneration is scheduled on 59 acres in Compartments 28 and 53 by KG blade, rootrake and bedding harrows.. Site preparation for natural regeneration will be accomplished by drum chopper on 202 acres in Compartments 7, 25 and 53. Regeneration and survival check are scheduled on 680 acres (Priority 4).

Estimated Expenses for Reforestation:

<u>SALARIES</u>	<u>(PLUS 15.75% F.B.)</u>
GS-7 (2) 4% Forestry Technician	898
GS-5(5) 7% " "	1,374
GS-4(3) 26% " "	4,134
GS-4(3) 25% " "	3,952
GS-3(3) 21% " Technician Aide	2,979
WG-10 Heavy Equipment Operator (480 Hrs.@ \$16.51/Hr)	7,925
Maintenance of Bedding Harrows	500
Maintenance of Tree Planter	500
Maintenance of Drum Chopper	500
Maintenance and Supplies (including Pine Seed and seedlings)	6,000
TOTAL	28,762

3B30 Timber Stand Improvement. Perform TSI by hand and a machine on 286 acres for precommercial thinning in Compartments 6, 12 and 16. (Priority 5)

Estimated Expenses for Timber Stand Improvement:

<u>SALARIES</u>	<u>(PLUS 15.75% F.B.)</u>
GS-7(2) 1% Forestry Technician	245
GS-5(5) 9% " "	1,663





GS-4(3) 15% Forestry Technician	2,432
GS-4(3) 15% " "	2,432
GS-3(3) 11% " Technician Aide	2,166
GS-4(1) 50% Summer Student	1,711
GS-3(1) 50% " "	1,524
GS-3(1) 50% " "	1,524
WG-10 Heavy Equipment Operator (80 hours @ \$16.51/Hr.)	1,321
Materials and Supplies	<u>872</u>
TOTAL	11,131

3B40 Timber Sales. The estimated income from timber sales in FY-86 is \$119,000. Estimated income for FY-87 is estimated to be \$366,000. Most of the income for FY-86 will come from regularly scheduled sales of approximately 1,213 acres. Salvage cuts from Southern Pine Beetle, seedtree removals and construction sites will be made as needed. (Priority 3)

Estimated Expenses for Timber Sales:

<u>SALARIES</u>	<u>(PLUS 15.75% F.B.)</u>
GS-7(2) 10% Forestry Technician	2,032
GS-5(5) 21% " "	3,896
GS-4(3) 7% " "	2,394
GS-4(3) 7% " "	2,394
GS-3(3) 41% Forestry Aide	5,734
GS-5(3) 94% Forestry Technician	16,739
GS-4(3) 83% " "	13,125
GS-4(2) 83% " "	12,728
Materials and Supplies	<u>11,682</u>
TOTAL	70,724





3B50 Timber Access Roads. Maintain 20 miles of timber access roads by seeding to perennial grass for erosion control and maintain right-of-way for fire control purposes. Install culverts and stone for timber sale and other forest management functions. (Priority 6)

Estimated Expenses for Access Roads:

<u>SALARIES</u>	<u>(PLUS 15.75% F.B.)</u>
GS-5(5) 11% Forest Technician	2,170
GS-4(3) 7% " "	1,216
GS-4(3) 7% " "	1,216
GS-3(3) 11% " Technician Aide	1,083
GS-4(1) 50% Summer Students	1,711
GS-3(1) 50% " "	1,524
GS-3(1) 50% " "	1,524
WG-10 Heavy Equipment Operators (416 hours @ \$16.51/Hr.)	6,868
WG-8 Heavy Equipment Operators (96 hours @ \$14.85/Hr.)	1,426
Materials and Supplies	15,450
	<hr/>
	TOTAL 28,003

3B60 Forest Protection. Prescribe burn 12 compartments for rough reduction and wildlife enhancement. Control burn ranges and impact areas. Man fire towers. Use operator(s) and plow unit(s) for standby and suppression of wildfires. Perform Southern Pine Beetle control measures on the entire Base. Work with other Federal and State agencies in evaluation, control and monitoring of infestations. Salvage timber through commercial



sales when possible. Use other prescribed treatments when sales are not possible. (Priority 2)

<u>Estimated Expenses</u>	<u>(Plus 15.75% F.B.)</u>
GS-7(2) 85% Forest Technician	18,133
GS-5(5) 52% " "	9,763
GS-4(3) 44% " "	6,992
GS-4(3) 29% " "	4,560
GS-3(3) 15% " Technician Aide	2,166
GS-5(3) 6% " Technician	1,021
GS-4(4) 17% " "	2,736
GS-4(3) 17% " "	2,653

Weekend Standby for Wildfire Suppression:

WG-10 for 80 hours @ \$24.77/Hr.)	1,982
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Wildfire Suppression:

Operators - Salaries and Hazardous Duty	9,256
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Operators - Overtime	2,500
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Wildfire Suppression: Heavy Equipment Rental

Prescribed Burn Plowing	3,962
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Stand-by for Prescribed Burning	3,962
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Radio Rental and Maintenance	3,800
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Torch Fuel	500
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Affirms Program	1,500
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Forestry Salaries for Hazardous Duty and Overtime	3,260
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Maintenance of the Fireplows	800
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Replace two PE-66 Radios	1,000
Replace two Mobile Radios	750
Contract for Aerial Detection	1,400
Materials and Supplies	5,747
	<hr/>
TOTAL	90,229

SUMMARY OF ESTIMATED EXPENSES

3B10 Forestry Supervision and Management (Pri 1)	207,151
3B20 Reforestation (Pri 4)	28,762
3B30 Timber Stand Improvement (Pri 5)	11,131
3B40 Timber Sales (Pri 3)	70,724
3B50 Timber Access Roads (Pri 6)	28,003
3B60 Forest Protection (Pri 2)	90,229
TOTAL FUNDING REQUIREMENTS	436,426

FUNDING DATA:

Forestry FY Funding Required Data - Actual and Estimated

Current FY-85	Budget FY-86	Budget FY-87
<i>\$424,000</i>	<i>\$436,426</i>	<i>\$450,000</i>





PART II

FISH AND WILDLIFE MANAGEMENT

Programmed operations by cost account codes, fund requirements and priorities for habitat improvement projects by station personnel are as follows:

<u>CAC 9171 SALARIES</u>	<u>Salary + 15.75%</u> <u>F. B.</u>
GS-12(5) 1/4 Director, NREAD .....	\$10,370
GS-11(9) Wildlife Management Supervisor.....	38,837
GS-07(4) Wildlife Biologist.....	22,789
GS-07(10) Wildlife Technician.....	26,925
GS-05(1) Wildlife Technician (Temporary).....	5,576
GS-05(7) 1/3 Secretary, NREAD.....	6,692
GS-04(1) Wildlife Technician (Temporary).....	5,022
GS-04(1) Wildlife Technician (Temporary).....	5,022
GS-04(1) Wildlife Technician (Temporary).....	5,022
GS-03(2) 1/3 Clerk Typist.....	4,591
Salaries for overtime.....	<u>2,859</u>
	<b>\$133,715</b>

WILDLIFE MANAGEMENT FUNDED UNDER MARINE CORPS HEADQUARTERS FUNDS CAC 9170 FOR COMPLETION DURING FY-85

<u>PROJECT</u>	<u>ESTIMATED COST</u>
1. Prescribe burn and clear woody debris from around Red-Cockaded Woodpecker cavity trees. Plow firelanes along contiguous woodpecker habitat boundaries prior to prescribed burning. <u>Impact Statement</u> . Failure to accomplish project would be contrary to biological opinion rendered under Section 7, Public Law 93-205. (Priority 1)	\$ 3,500



PROJECT

ESTIMATED COST

2. Conduct aerial surveys over Onslow Beach and Browns Island during the nesting season for threatened sea turtles. Impact Statement. Failure to conduct surveys would be contrary to the biological opinion rendered for sea turtles under Public Law 93-205. (Priority 2). \$ 3,300
3. Plant winter grains in forest openings for deer, other game and non-game species. Impact Statement. Failure to complete project would limit availability of winter cover crops for green grazing by game and non-game species. (Priority 3). \$17,905
4. Install new water control structure in Henderson Pond for improvement of recreational freshwater fishing. Impact Statement. Failure to implement will hinder maximum pond productivity due to the fluctuation of water depths during spawning season. (Priority 4). \$11,355
5. Apply liquid nitrogen to forest openings planted to winter grains for game and non-game species. Impact Statement. Failure to make nitrogen application to winter cover crops will limit the productivity and limit maximum utilization by wildlife species. (Priority 5). \$ 3,060
6. Wildlife Management personnel participation in training sessions, workshops and conferences. Impact Statement. Failure to participate in management workshops and conferences will limit the





implementation of new techniques and research findings into the program for the management of wildlife resources. (Priority 6).

WILDLIFE FY FUNDING REQUIREMENTS DATA (MARINE CORPS HEADQUARTERS FUNDS)

<u>CURRENT FY-85</u>	<u>BUDGET FY-86</u>	<u>BUDGET FY-87</u>
\$141,810 (salaries)	\$ 133,715 (salaries)	\$141,495 (salaries)
<u>57,531</u> (projects)	<u>39,120</u> (projects)	<u>43,475</u> (projects)
\$199,341 TOTAL	\$ 172,835 TOTAL	\$184,970 TOTAL

PART II (continued)

FISH AND WILDLIFE RESOURCE MANAGEMENT

WILDLIFE MANAGEMENT PROJECTS FUNDED UNDER CAC-174  
NONAPPROPRIATED FUNDS

<u>PROJECT</u>	<u>ESTIMATED COST</u>	<u>PRIORITY</u>
1. Plant forest openings to summer annuals for quail, dove, wild turkey, other game and non-game species. <u>Impact Statement</u> . Failure to provide will limit habitat improvement projects designed to provide diversity for a variety of species in the vegetative complex.	\$ 14,245	I
2. Improve habitat diversity by establishing new forest openings for game and non-game species. <u>Impact Statement</u> . Failure to complete project will limit long range planning efforts to improve habitat conditions for wildlife resources.	2,668	II
3. Disc out leave areas for quail nesting cover prior to prescribed burning and plant	4,918	III





bicolor lespedezes seedlings. Impact State-  
ment. Failure to complete project would limit  
long range management efforts in the quail man-  
agement area and other habitat throughout the  
Base.

TOTAL FUNDS REQUIRED \$21,831

WILDLIFE FY FUNDING REQUIREMENT DATA (PERMIT FUND)

CURRENT FY-85

\$21,740

BUDGET FY-86

\$21,831

BUDGET FY-87

\$22,675



PART III

SOIL AND WATER CONSERVATION

1. Mission. The Soil and Water Conservation Program is managed by the Soil, Water and Environmental Branch, Natural Resources and Environmental Affairs Division (hereafter referred to as "the Branch"). The Branch is responsible for developing and implementing natural resources planning and environmental protection program. The program is directed in the following general areas:

a. Providing compliance monitoring and related laboratory support for drinking water supplies and treatment and distribution systems.

b. Providing compliance monitoring and related laboratory support to the operation of sewage treatment facilities and the collection, pretreatment and disposal of industrial wastes and wastewaters.

c. Providing technical assistance and related laboratory support required for the identification of hazardous materials and hazardous wastes regulated under the Resource Conservation and Recovery Act and related state regulatory programs.

d. Developing/updating contingency plans and providing related technical assistance required to manage spills and related emergencies involving petroleum oils and lubricants and hazardous substances.

e. Coordinating NREAD review of environmental impact assessments and development and revision of the Long Range Natural Resource Management Plan.

f. Developing erosion and sedimentation control plans and projects





g. Coordinating environmental training education and informational activities.

The above described where the majority of the Branch's manpower, equipment and supply resources are placed. The work is primarily directed toward compliance with local, state and federal enforcement regulations and related personnel training and education.

<u>2. Operating Budget</u>	<u>Projected Amount</u>
a. Personnel (salary plus 15.75% and overtime)	
(1) Salaries and Overtime chargeable to Water Quality Control Laboratory	
(a) Supervisory Chemist GS-10(4)	30,571
(b) Chemist GS-9(1)	25,238
(c) Physical Science Tech GS-7(9)	26,132
(d)       "               "               "       GS-6(4)	20,424
(e)       "               "               "       GS-6(5)	21,043
(f)       "               "               "       GS-5(8)	20,546
(g) Part time Clk (24HrWk)GS-3(1) 5.49/hr	7,931
(h) Laboratory related Overtime	<u>1,000</u>
	152,885
(2) Other Branch salaries and Overtime	
(a) Supervisory Ecologist GS-11(7)	36,641
(b) Environmental ProtSpec GS-9(1)	25,238
(c) Soil ConservaTechnician GS-6(2)	19,186
(d) 1/4 Division Director, GS-12(5)	10,370
(e) 1/3 Division Secretary GS-5(6)	6,478
(f) 1/3 Clerk Tupist GS-3(2)	4,568
(g) EmerSpill Response Overtime	<u>1,000</u>
	103,481
TOTAL SALARIES	256,366





b.	Supplies and Equipment Maintenance	\$ 30,000.00
c.	Contract Laboratory Supplies: for routine analysis and on-site technical assistance	\$ 20,000.00
d.	Minor Property Purchase/Replacement:	
	(1) Field pH Meter (Replacement)	\$ 750.00
	(2) Salinity Meter (Replacement)	550.00
	(3) Small Acid Cabinet (New)	400.00
	(4) 6-Place Magnetic Stirrer (Replacement)	900.00
	(5) Laboratory Mixer (Replacement)	175.00
	(6) Laboratory Mixer (Replacement)	175.00
	(7) Magnetic Stirrer (Replacement)	100.00
	(8) Stirring Hot Plate (Replacement)	250.00
	(9) Top-Loading Balance (Replacement)	450.00
	(10) Desiccator Cabinet (Replacement)	350.00
	(11) Hand Truck (Replacement)	100.00
	(12) Automatic Collection System (Replacement)	800.00
	(13) Demineralizer (Replacement)	750.00
	(14) Adapter Kit for New Still	<u>100.00</u>
	Total Garrison Property	\$ 5,850.00
e.	Plant Account Equipment (Class 3 & 4)	
	(1) Conductivity Bridge	\$ 1,000.00
	(2) Incubator	1,100.00
	(3) Coliform Incubator Bath	1,200.00
	(4) 6-Liter Still	<u>2,300.00</u>
	Total	\$ 5,600.00
f.	TAD Requirements	
	(1) Soil Conservation Society of America N.C. Chapter Meeting, Asheville, N.C.	\$ 250.00
g.	Special Projects	
	(1) Preparation and publishing of Long Range Natural Resource Management Plan	\$25,000.00



Soil, Water and Environmental Branch Funding Requirements:  
(See Note #1)

<u>Current FY-85</u>	<u>FY-86</u>	<u>FY-87</u>
313,900	343,066	365,000

NOTE #1: These requirements do not address environmentally related O&M projects performed routinely by Base Maintenance Division. These costs are directly related to the operation of the Branch.





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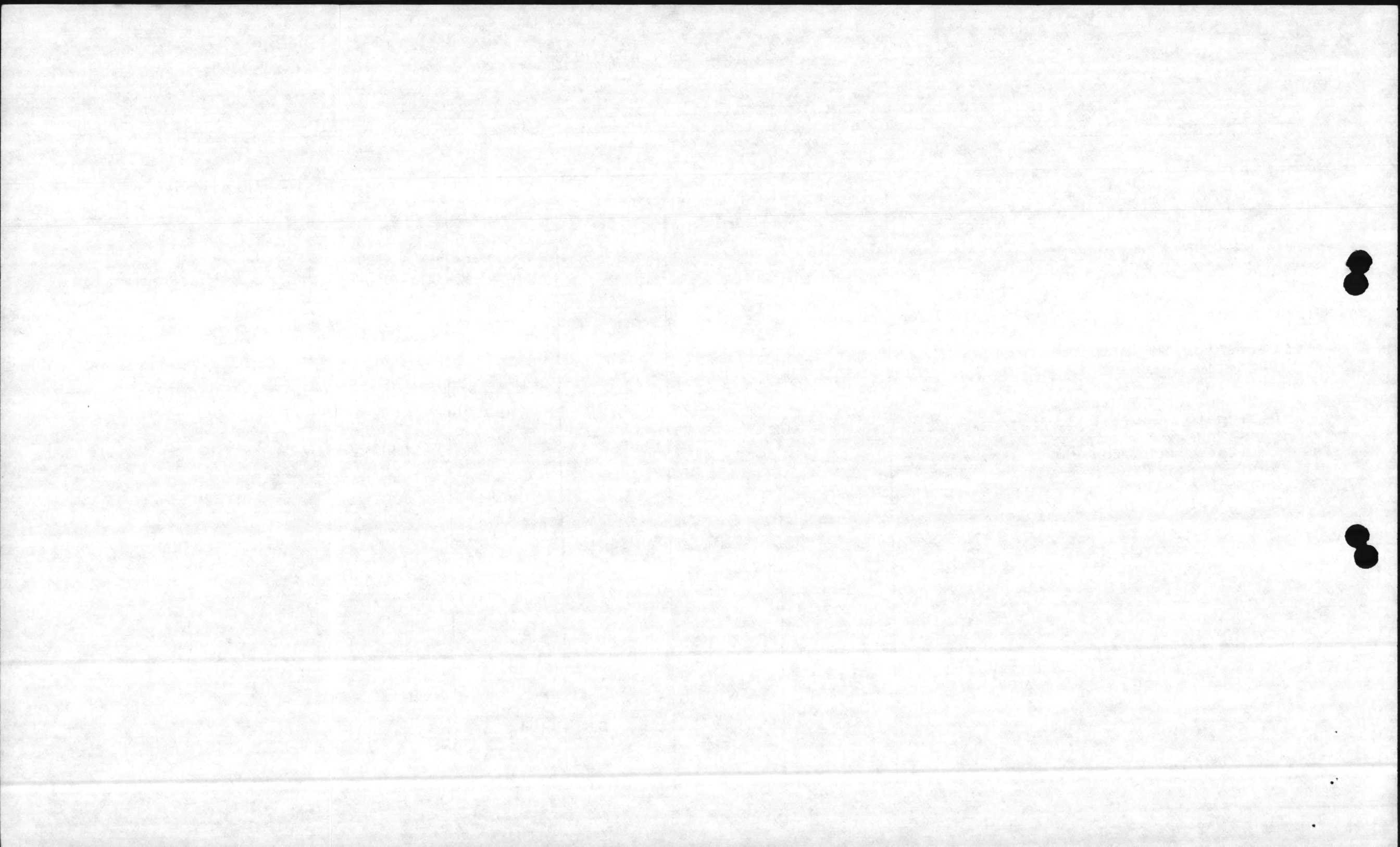
SHOP EQUIPMENT REQUIREMENTS

FY 86

SHOP: 2392

DATE: 11 March 85

Item Description	New	Replacement	Quantity	Unit Cost	Total Cost	Justification (New/Initial Reqmts. Only)
1. Field pH meter		X	1	\$ 750.00	\$750.00	Required to provide storage meeting safety standards.
2. Conductivity Bridge		X	1	1,000.00	1,000.00	
3. Salinity Meter		X	1	550.00	550.00	
4. Incubator		X	1	1,100.00	1,100.00	
5. Small Acid Cabinet	X		1	400.00	400.00	
6. Magnetic Stirrer		X	1	900.00	900.00	
7. Laboratory Mixers		X	2	175.00	350.00	
8. Magnetic Stirrer		X	1	100.00	100.00	
9. Stirring Hot Plate		X	1	250.00	250.00	
10. Balance-Top Loading		X	1	450.00	450.00	
11. Desiccator Cabinet		X	1	350.00	350.00	
12. Hand Truck		X	1	100.00	100.00	
13. Coliform Incubator Bath		X	1	1,200.00	1,200.00	
14. 6-liter Still		X	1	2,300.00	2,300.00	
15. Automatic Collection System		X	1	800.00	800.00	
16. Demineralizer		X	1	750.00	750.00	
17. Adapter Kit		X	1	100.00	100.00	

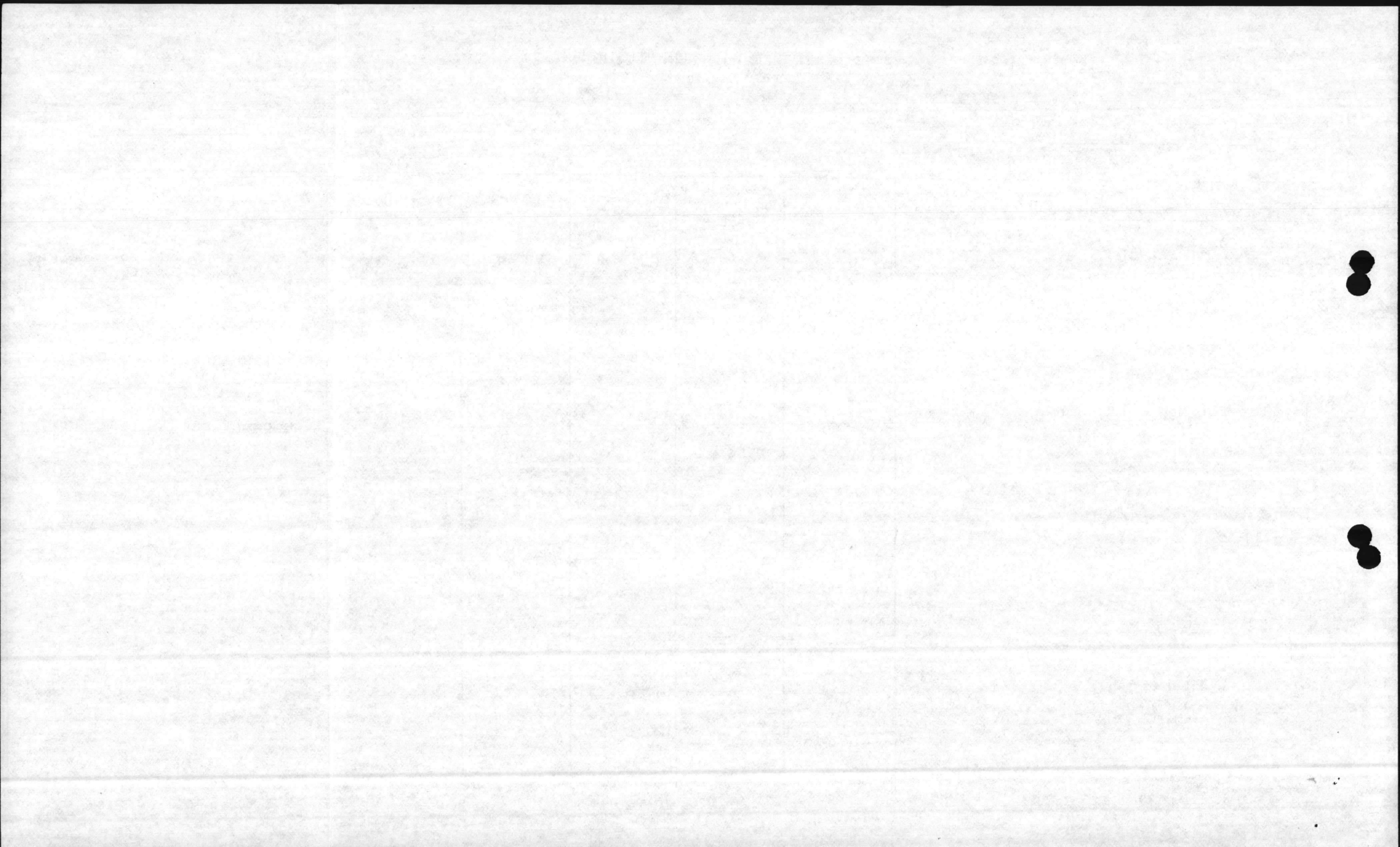




## SHOP EQUIPMENT REQUIREMENTS

FY 86SHOP: Wildlife BranchDATE: 11 March 85

Item Description	New	Replacement	Quantity	Unit Cost	Total Cost	Justification (New/Initial Reqmts. Only)
Honda Model ATC Big Red (Three-wheel motorcycle)	X		1	\$1,918.00	\$1,918.00	Vehicle required for use on Onslow Beach sea turtle conservation program during night patrols. Vehicle is necessary for low profile work on beach with subdued lighting and for causing less damage to beach strand than conventional vehicle.
Trailer for Model ATC Honda	X		1	328.00	328.00	Trailer required for hauling equipment used in sea turtle conservation program.



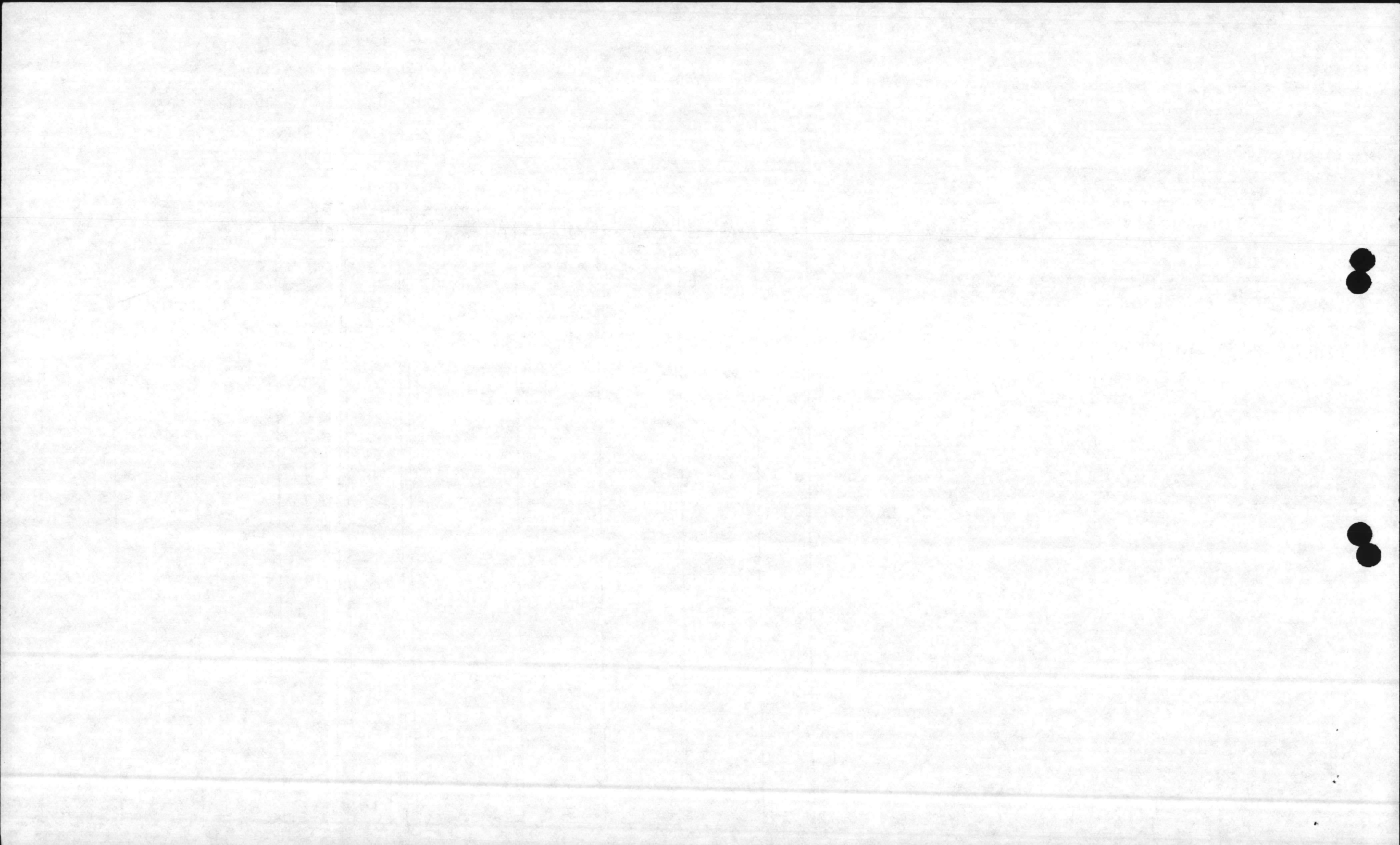
TAD REQUIREMENTS

SHOP: 2392

DATE: 11 Mar 85

TAD Description	FY 1982 <sup>6</sup>					FY 1983 <sup>7</sup>				
	Qtr.	No. Persons	Trans.	Per Diem	Total	Qtr.	No. Persons	Trans.	Per Diem	Total
NC Chapter, Soil Conservation Society of America	3	1	130.00	120.00	250.00	3	1	130.00	120.00	250.00



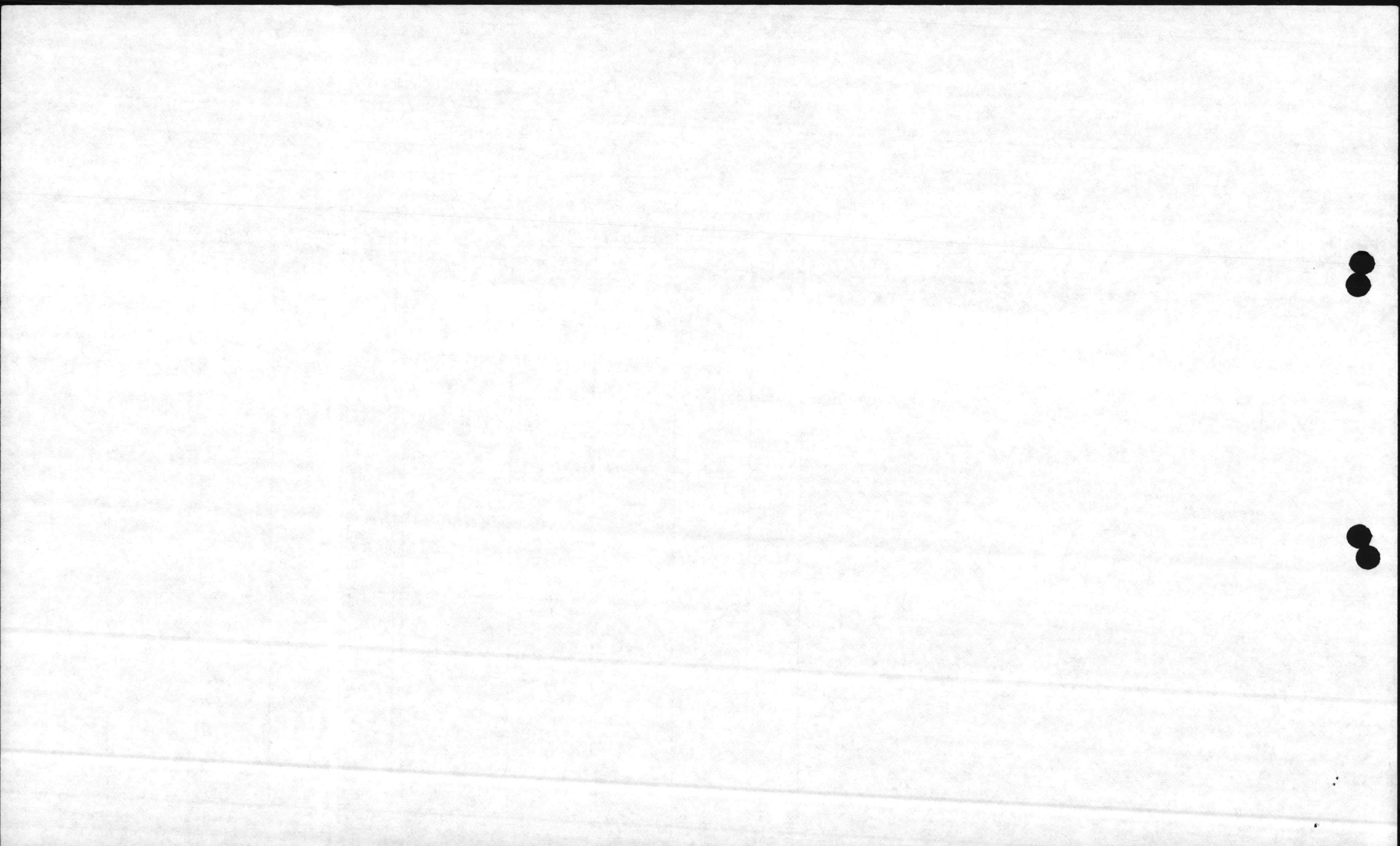


TAD REQUIREMENTS

SHOP: 2392

DATE: 5 Mar 85

TAD Description	FY 1982 <sup>6</sup>					FY 1983				
	Qtr.	No. Persons	Trans.	Per Diem	Total	Qtr.	No. Persons	Trans.	Per Diem	Total
Society of American Foresters Convention DOD Forestry Conference and DON Foresters Conference	1	2	1,500.00	\$3,000	\$4,500	1	2	2,000.00	3,000	\$5,000
Forest Fire Fighting School NCFS Regional Headquarters, Kinston, NC	1	2	100.00	400	500	1	2	100.00	400	500



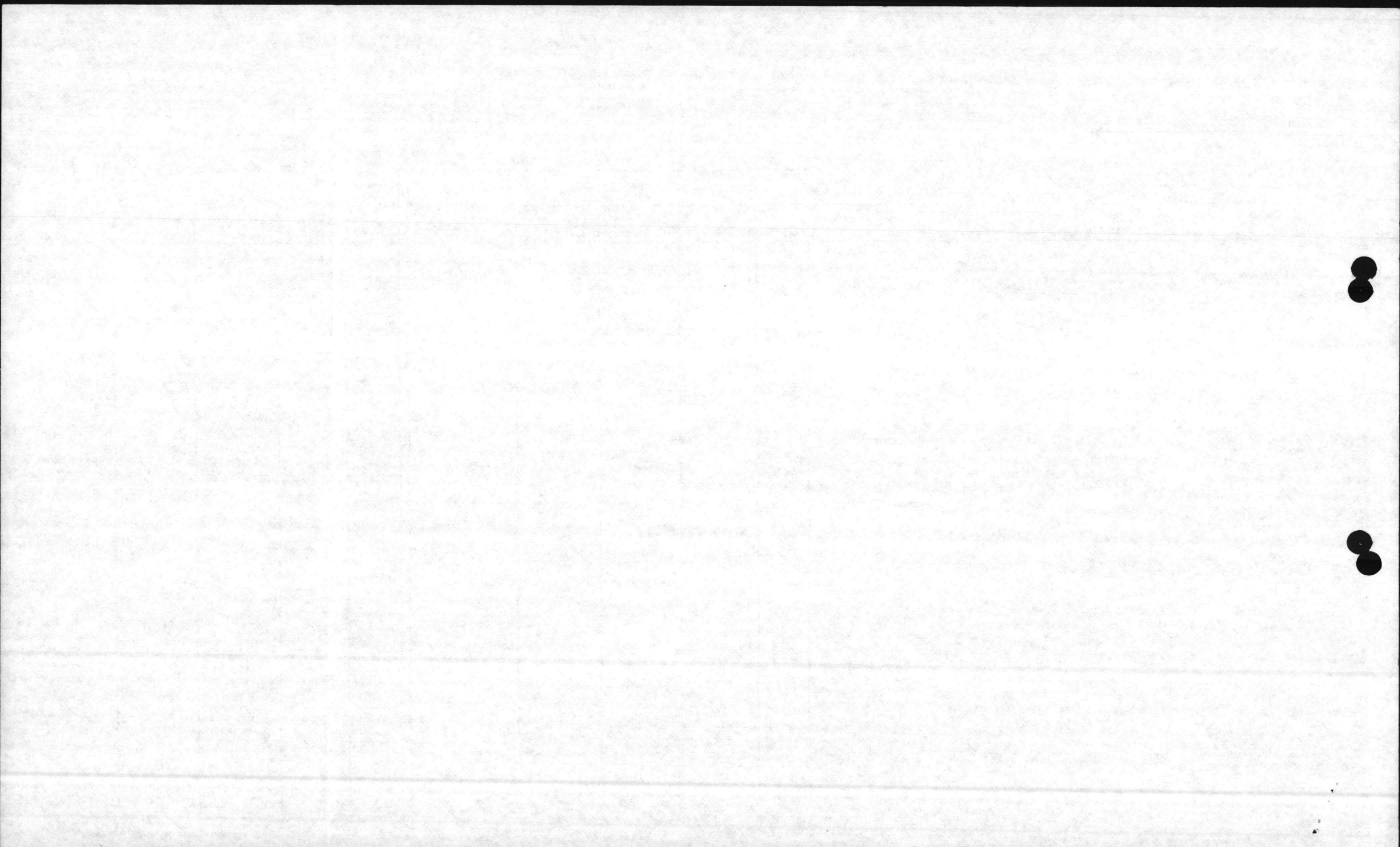


TAD REQUIREMENTS

SHOP: 2392

DATE: 11 Mar 85

TAD Description	FY 198 <del>X</del> 86					FY 198 <del>X</del> 87				
	Qtr.	No. Persons	Trans.	Per Diem	Total	Qtr.	No. Persons	Trans.	Per Diem	Total
Southeastern Fish & Wildlife Conference Lexington, Ky	1	1	304.00	300.00	604.00					
Military Fish and Wildlife Managers Association Meeting, Western Wildlife Conference Reno, Nv	2	1	494.00	375.00	869.00					
Southeastern Fish & Wildlife Conference Columbia Mo						1	1	438.00	300.00	738.00





SHOP EQUIPMENT REQUIREMENTS

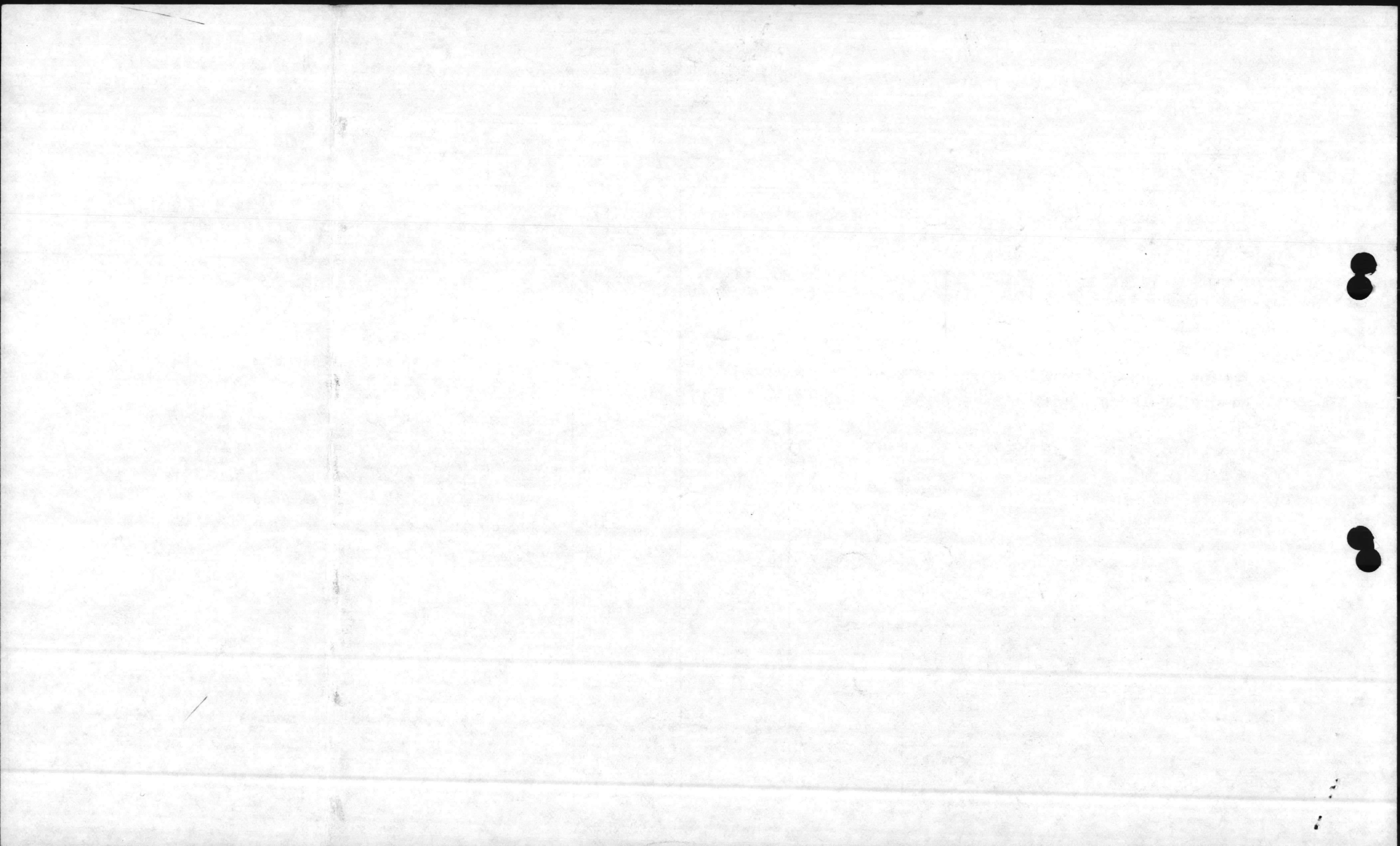
FY 87

SHOP: 2392

DATE: 11 March85

Item Description	New	Replacement	Quantity	Unit Cost	Total Cost	Justification (New/Initial Reqmts. Only)
1. Jumbo Mixer		x		200.00	200.00	
		x				
2. Large Refrigerator		x		800.00	800.00	
3. Ion-Selective Meter		x		2,200.00	2,200.00	
4. Ion-Selective Meter Switch		x		550.00	550.00	
5. Small Refrigerator	x			400.00	400.00	Required to Store SDWA standard
6. Top-Loading Balance		x		1,000.00	1,000.00	
7. Vacuum Pump		x		600.00	600.00	
8. Field Dissolved Oxygen Meter		x		1,000.00	1,000.00	
9. Large Acid Cabinet		x		1,000.00	1,000.00	
10. Ultrasonic Cleaner	x			300.00	300.00	Required to effectively clean syringers used for SDWA work on Gas Chromatograph
11. Automatic Samplers		x	2	2,500.00	5,000.00	





ASSISTANT CHIEF OF STAFF, FACILITIES  
HEADQUARTERS, MARINE CORPS BASE

DATE 2/12/87

TO:

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, BACHELOR HOUSING

COMM-ELECT O

BASE FIRE CHIEF

DIR., NAT. RESOURCES & ENV. AFFAIRS

ATTN: Mr Work

① Attached is forwarded for info/action.

Taylor  
Put this with AOP  
Package. Pull the <sup>AOP</sup> package so  
I can get it ready to go  
Julian

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

3. Your file copy

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

BLG  
in



ASSISTANT CHIEF OF STAFF, FACILITIES  
HEADQUARTERS, MARINE CORPS BASE

DATE 2/12/87

TO:

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, BACHELOR HOUSING

COMM-ELECT O

BASE FIRE CHIEF

DIR., NAT. RESOURCES & ENV. AFFAIRS

ATTN: Mr. Work

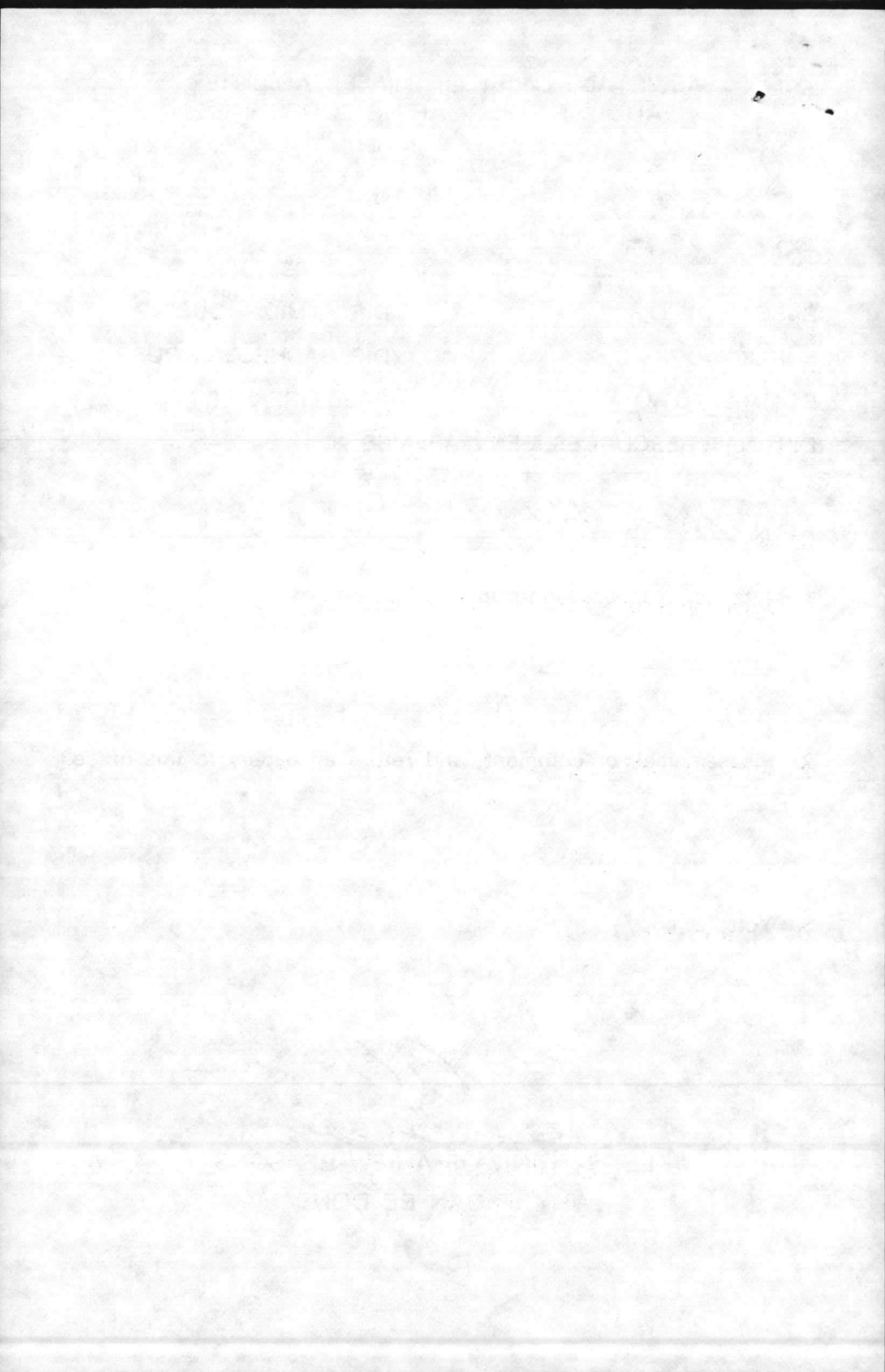
① Attached is forwarded for info/action.

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

3. Your file copy.

*BUEH*  
*By dir*

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





UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:

7300

MWR

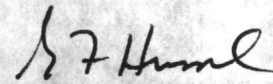
10 Feb 87

From: Assistant Chief of Staff, Morale, Welfare and Recreation  
To: Assistant Chief of Staff, Facilities

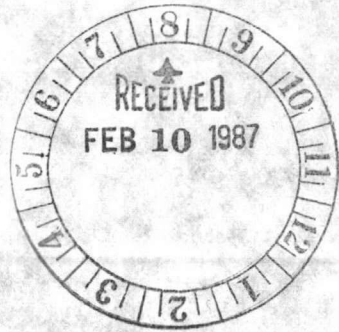
Subj: RECYCLING PROGRAM

Ref: (a) Yr ltr 4010 NREAD of 23 Jan 1987

1. The reference indicates that approximately \$52,020 can be made available to this department for morale, welfare and recreation projects/activities.
2. It is requested the \$52,020 be allocated for the procurement of an additional pier at Gottschalk Marina. The Public Works Office estimated a cost of \$59,600 for this project. Although this estimate has a built-in contingency amount and the actual work should cost less, Special Services would be able to re-program its FY 87 appropriated funds to make up the amount in excess of \$52,020 if necessary.

  
G. F. HUML





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4010  
NREAD  
23 Jan 87

From: Assistant Chief of Staff, Facilities, Marine Corps Base,  
Camp Lejeune  
To: Assistant Chief of Staff, Morale, Welfare and Recreation,  
Marine Corps Base, Camp Lejeune

Subj: RECYCLING PROGRAM

Ref: (a) Dept of the Navy ltr 7300 FDA-42 of 12 Feb 86

1. The reference provides guidance for the development of a Camp Lejeune complex recycling program. The base is allowed to accumulate proceeds from the sale of recyclable materials (i.e., Scrap steel, high grade metal, brass, aluminum, corrugated cardboard, computer paper, waste oil, etc) for recycling program expenses, pollution abatement, energy conservation, health & safety activities and morale, welfare & recreation activities.

2. It is estimated the recycling program will generate \$170,000 in 1987 of which approximately \$52,020 has been earmarked for Base morale, welfare & recreation projects/activities. HQMC requires specific projects/activities be identified for approval and funding.

3. Accordingly, it is requested morale, welfare & recreation projects/ activities including estimated cost be provided to Assistant Chief of Staff, Facilities, Attn: Dir, NREAD, by 11 Feb 1987 for inclusion in the annual operational plan/budget for HQMC action.

4. If additional information is desired, please contact Mr. Julian Wooten, Director, NREAD (Recycling Program Coordinator), at extension 2083/1690.

T. J. DALZELL

Writer/Typist Wooten / J. Wooten  
Date Typed 22 Jan 87  
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