

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

IN REPLY REFER TO 11000 NREAD 14 Apr 86

efer

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

Subj: FY-87 ANNUAL OPERATIONAL PLAN (AOP)

Ref: (a) P11000.8B

Encl: (1) FY-87 AOP for Forestry, Fish and Wildlife, and Soil and Water Conservation Management (2) FY-87 Special Environmental Projects

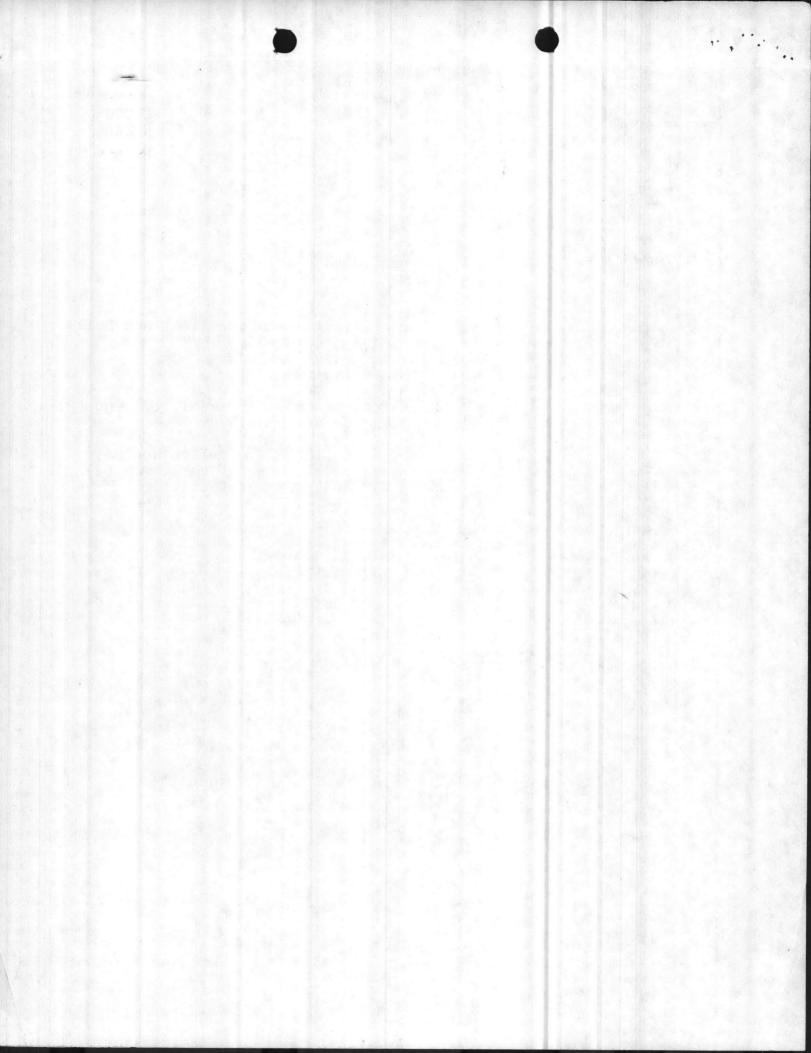
(3) FY-87 Special Engineering Needs

1. In accordance with the reference enclosures (1), (2) and (3) for Marine Corps Base, Camp Lejeune are provided.

2. Point of contact for enclosure (1) is Mr. Julian Wooten; for enclosure (2) is Mr. Bob Alexander; and for enclosure (3) is Mr. Al Austin, extension 1690/3034/3035 respectively.

> R. A. TIEBOUT By direction

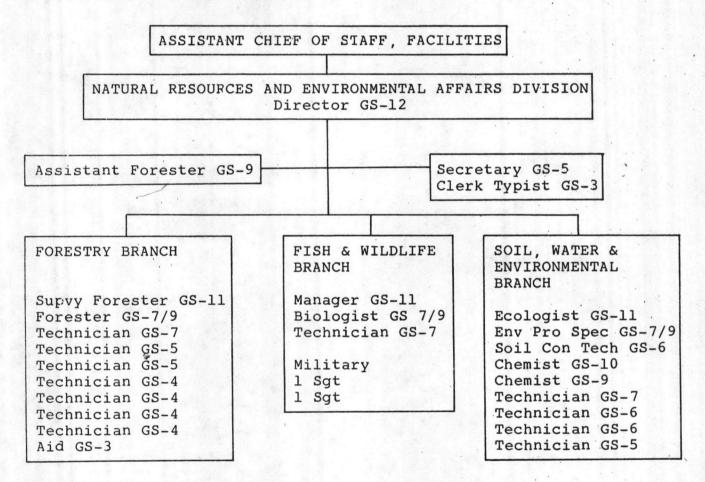
Blind copy to: AC/S FAC AC/S COMPT BMO (F&A SEC)

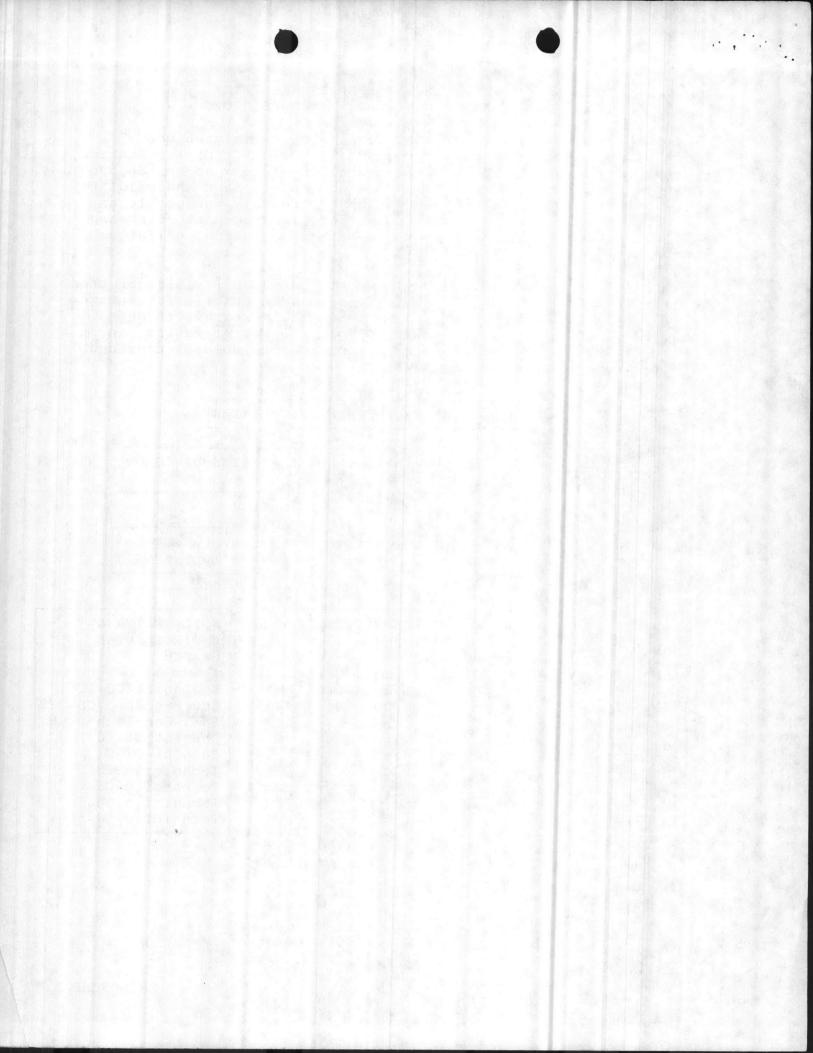


FY-1987 ANNUAL OPERATIONAL PLAN FOR MANAGEMENT OF NATURAL RESOURCES

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.

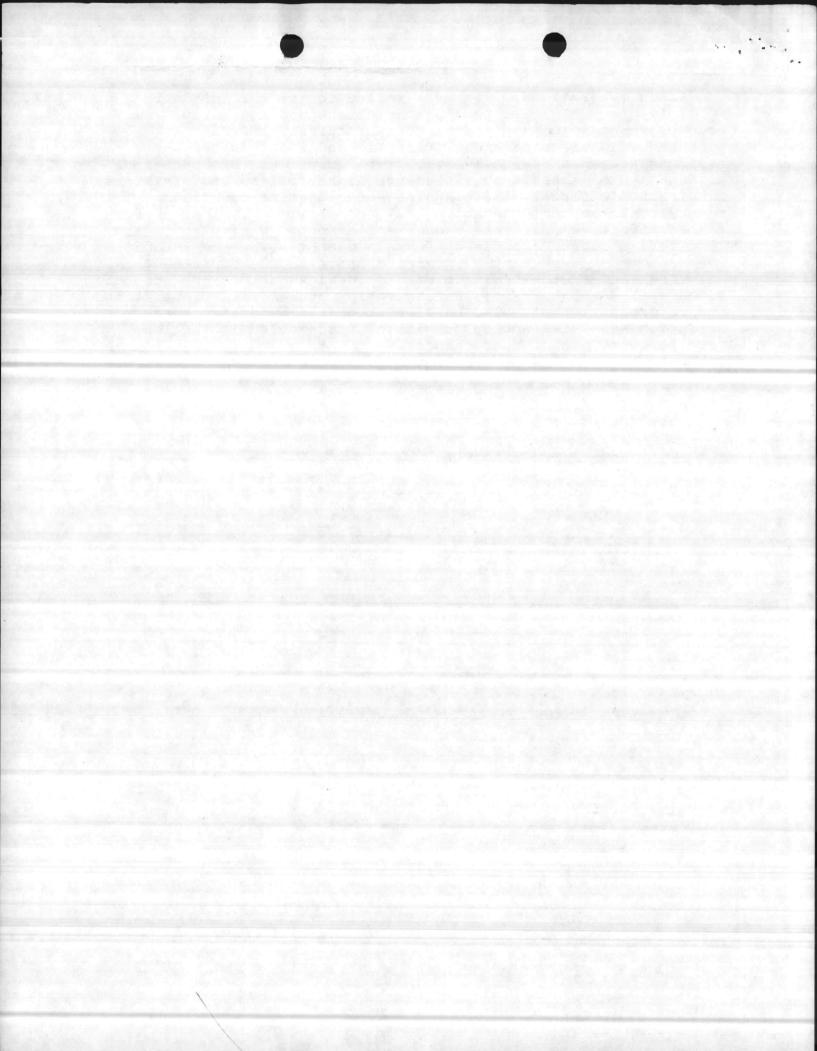
The Natural Resources and Environmental Affairs Division of the Assistant Chief of Staff, Facilities is responsibile for management of natural resources and environmental programs through direct operational involvement in most program elements. In certain environmental programs a coordinating role is 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. The planning and budgeting functions necessary to support the above goal are positive influences for a more effective resources management effort. Variables in the long term resource amangement formula cannot always be adequately predicted. For example, training operational requirements, wildfires and southern pine beetle epidemics can disrupt scheduled timber sales and harvest. Consequently, annual site preparations and reforestation may also be disrupted. . If necessary, prescription schedules and sales will be rescheduled in the long term forestry plan by pen changes.

2



PART I

FOREST RESOURCE MANAGEMENT

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

Agricultural Outlease Supervision and Management, Personnel will perform varies 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 manager 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:

SALARIES

PLUS 15.75% F.B.

-GS-9(5) Forester (Administrative) GS-3(4) 2/3 Clerk Typist (NREAD)	(\$24,712)	\$28,605 9,728
and the second	Total	\$38,333

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

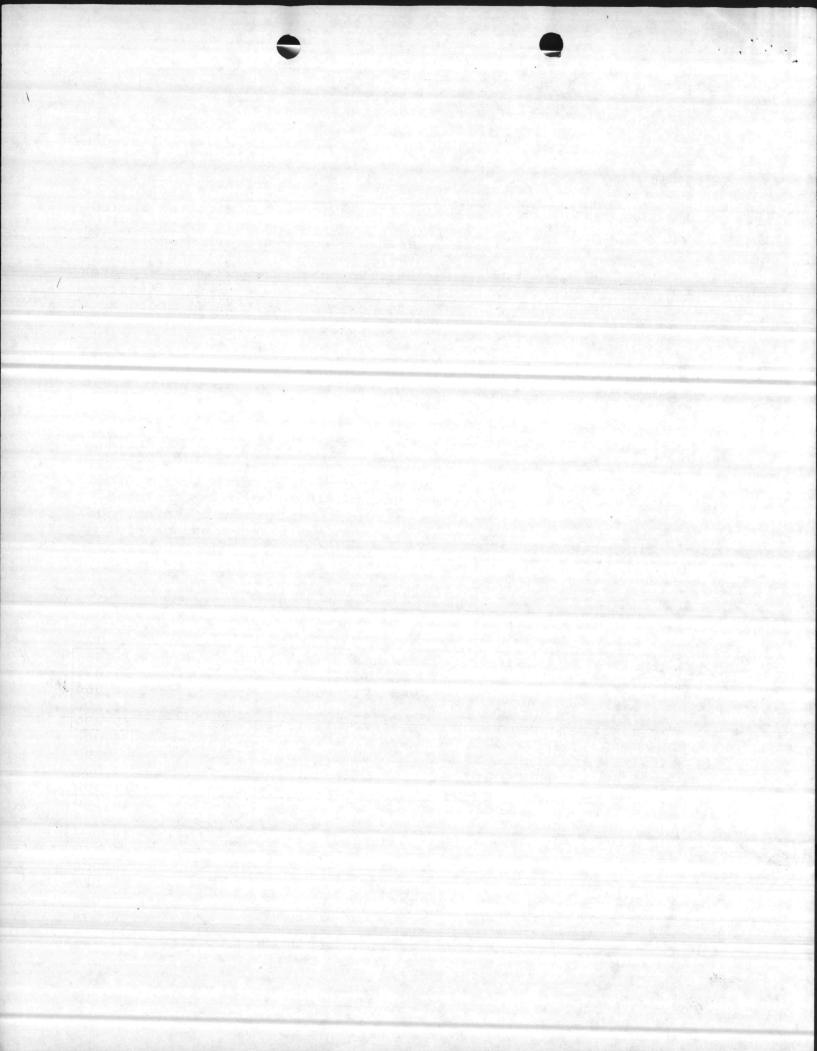
Estimated management functions are as follows:

SALARIES

TO TOP POET

PLUS 15.75% F.B.

<pre>GS-12(7) 1/2 Division Director, NREAD (\$43,920) GS-5(9) 1/3 Secretary, NREAD (\$21,102) GS-3(4) 1/3 Clerk Typist, NREAD (\$12,604) GS-11(5) Forester (Supvy) (\$29,897) GS-9(2) Timber Management Forester (\$22,531) Travel and Registration Materials and Supplies Miscellaneous Support Fuel for forestry engineering equipment Fuel for forestry fleet (includes management trucks and hauling units) Maintenance for forestry fleet (includes management trucks and hauling units)</pre>	\$21,960 7,034 4,864 34,606 26,080 7,000 3,500 4,500 11,500 6,500 18,000 29,500
Maintenance of forestry engineering equipment Winches (5 winches @ \$1,000 each)	30,000 5,000
Total	\$180,544



<u>3B20 Reforestation.</u> Planting of pine seedlings and direct seeding is scheduled on 89 acres in compartments 7 and 28. Site preparation for artificial regeneration is scheduled on 25 acres in compartment 27 and 188 acres for natural regeneration in compartments 27, 50 and 51. Regeneration and survival checks are scheduled on 933 acres (Priority 4).

Estimated expenses for reforestation:

Salaries	Plus 15.75%F.B.
GS-7(3) 5% Forest Technician GS-5(2) 9% Forest Technician GS-4(3) 8% Forest Technician	928 1,517 852 * 852
<pre>GS-4(3) 8% Forest Technician GS-3(4) 5% Forestry Aide Materials and Supplies Pine Seedlings and Seed Maintenance and Repair of KG Blade Maintenance and Repair of Rootrake Maintenance and Repair of Bedding Harrows</pre>	* 699 1,500 4,500 1,000 1,000 1,000 1,000
Maintenance and Repair of Drum Chopper WG-10 Heavy Equipment Operator (500 hrs @ \$17.08/hr)	8,540
Total	\$23,388

3B30 Timber Stand Improvement. Perform timber stand improvement by hand and machine on 439 acres for precommercial thinning in compartments 14, 15, 38 and 49 (Priority 5).

Estimated expenses for timber stand improvement:

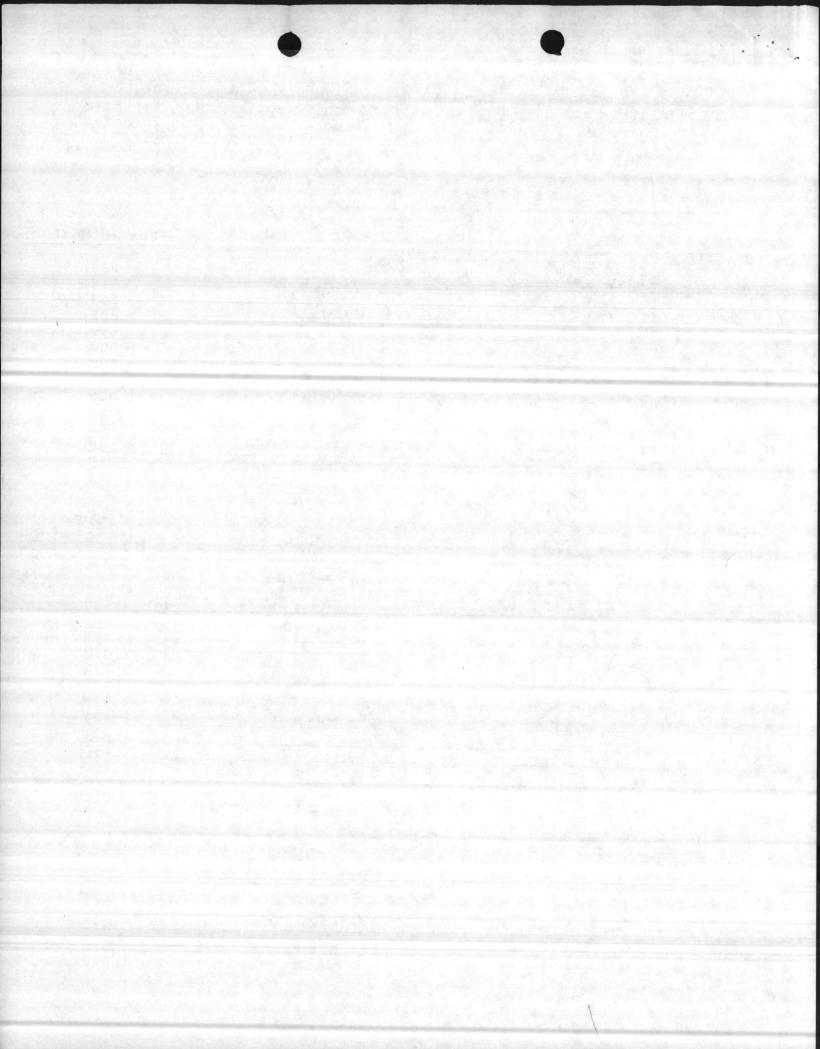
Salaries

Dururroo	
<pre>GS-7(3) 1% Forestry Technician GS-5(2) 17% Forestry Technician GS-4(3) 15% Forestry Technician GS-3(4) 15% Forestry Aide GS-5(2) 12% Forestry Technician GS-4(3) 12% Forestry Technician</pre>	\$ 253 2,630 2,432 * 2,236 1,978 1,824 * 1,824
GS-4(3) 12% Forestry Technician WG-10 Heavy Equipment Operator (80 hrs @ \$17.08/hr)	2,050
Materials and Supplies	1,800
Materials and Supprior	
Total	\$ 17,027

Plus 15.75% F.B.

JON CHOP

JON'S FOR PREP ALL SITE PREP # 8,500



3B40 Timber Sales. The estimated income from timber sales in FY-87 is \$500,000. Income for FY-88 is estimated to be \$480,000. Most of the income for FY-87 will be generated by regularly scheduled sales of approximately 1,051 acres. Salvage cuts from southern pine beetle, seedtree removals and construction sites will be made as required (Priority 3).

Estimated expenses from timber sales:

\$ 16,000 JON

Salaries		<u>Plus</u> <u>15.75%</u> <u>F.B</u> .
<pre>GS-7(3) 15% Forestry Technician GS-5(2) 15% Forestry Technician GS-5(2) 83% Forestry Technician GS-4(3) 77% Forestry Technician GS-4(3) 77% Forestry Technician GS-4(3) 43% Forestry Technician GS-4(3) 43% Forestry Technician GS-3(4) 53% Forestry Aide Materials and Supplies</pre>		\$ 3,288 2,571 14,173 12,160 12,160 6,749 * 6,749 * 6,749 * 7,689 17,107
	Total	\$82,646

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

Estimated expenses for access roads:

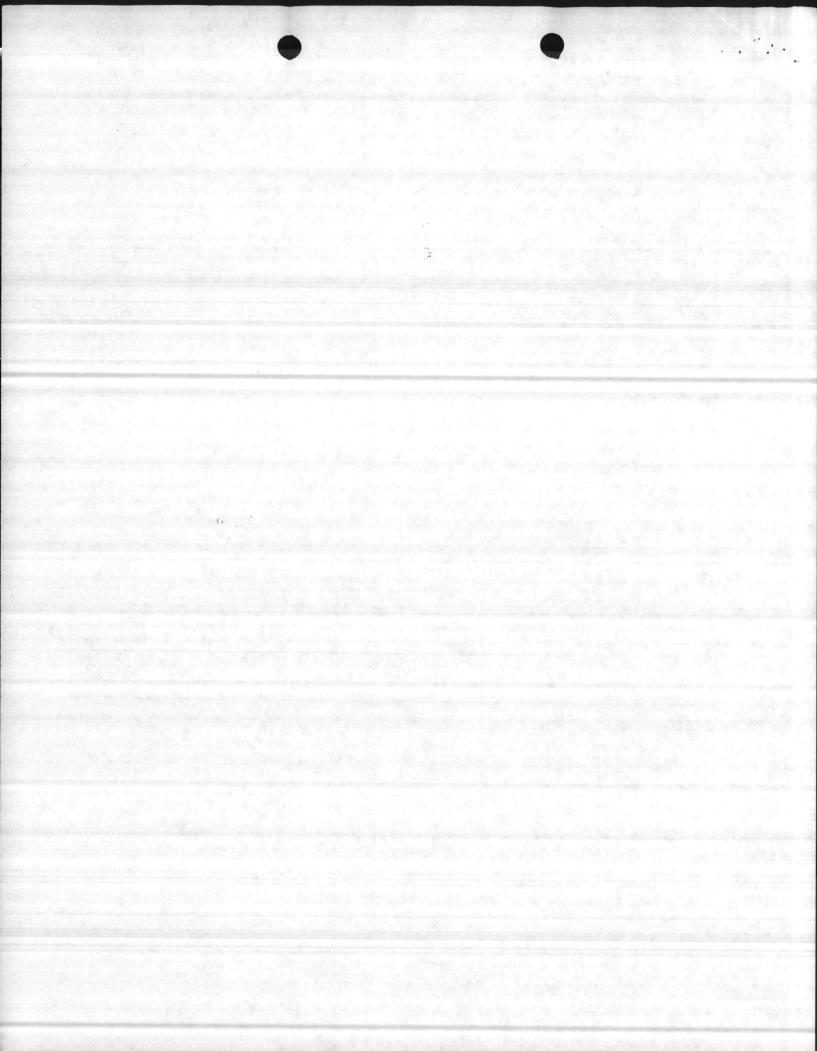
Salaries

422 152 \$ GS-7(3) 2% Forestry Technician 330 GS-5(2) 2% Forestry Technician WG-10 Heavy Equipment Operator (400 hrs @ \$17.08/hr) 6,832 WG-8 Heavy Equipment Operator (40 hrs @ \$15.36/hr) 497 Materials and Supplies 615 500 17. Materials and Supplies

> \$25,699 Total

3B60 Forest Protection. Prescribe burn 12 compartments for rough reduction and wildlife enhancement. Control burn ranges and impact areas. Man fire towers. Use oeprator(s) and plow unit(s) for standby and suppression of wildfires. Perform southern pine beetle control measures on the entire base. With other federal and state agencies in evaluation, control and monitoring of infestations. Salvage infested timber through commercial sales when possible and use other prescribed treatments when sales are not possible (Priority 2).

Plus 15.75% F.B.

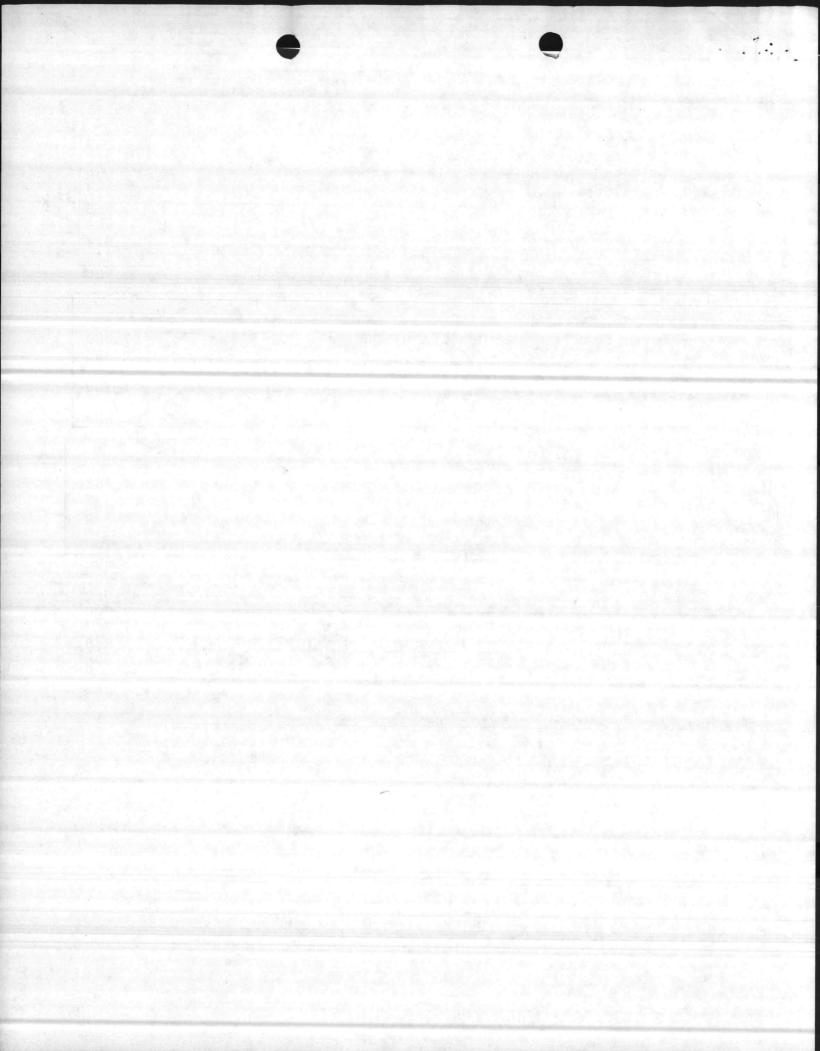


Estimated expenses for forest protection:

	indeed expenses for forest protocol	in the second second and	
	Salaries		<u>Plus</u> 15.75% H
	GS-7(3) 78% Forest Technician		\$18,089
	GS-5(2) 58% Forest Technician		10,712
	GS-4(3) 37% Forest Technician		5,928
	GS-4(3) 37% Forest Technician		5,928
	GS-3(4) 27% Forestry Aide		* 3,915
	GS-5(2) 6% Forest Technician		989 +
	GS-4(3) 12% Forest Technician		1,824
	GS-4(3) 12% Forest Technician	the strategy of the second second	*1,824
	Overtime and hazardous duty for forest	ry	5,500
Frankriker in der sonder in Geschlicher in der sonder in Geschlicher in der sonder in	Wildfire Suppression:		
	WG-10 Heavy Equipment Operator (800 hr	s @ \$21.35/hr)	17,080
, ch	WG-10 Standby weekends (80 hrs @ \$17.0	8/hr)	1,365
,000	Heavy Equipment Operator overtime for	\$ 29,833	-,
	wildfire suppression	\$ 29,0	4,500
	TD-12 Low ground pressure equipment re	ntal	1,000
	(400 hrs @ \$17.22)	intal	6,888
	Prescribed Burning:		
4	WG-10 Heavy Equipment Operator (280 hr	s @ \$17.08/hr)	4,783
N DO	TD-12 Low ground pressure equipment re		
0,00	(80 hrs @ \$17.22/hr)	ntal \$ 10,26	1,378
	WG-10 Standby for prescribed burning	* 101	and the strength of the
	(240 hrs @ \$17.08/hr)		4,100
	Radio Rental and Maintenance		3,800
	Torch Fuel for Prescribed Burning		500
	Replace two PE-66 radios		4,000
	Replace two mobile radios		3,000
	Maintenance and repair two fire plows		1,500
	Southern pine beetle aerial detection	flights	1,500
		111gires .	
	Material and Supplies		3,500
		Total	\$112,603
	<u>3B70</u> Forestry Equipment Purchases. To swing axle pocosin plow, to replace a be modified to level lines that are pl	four-disc plow	
all	Two disc, swing axle pocosin plows		\$ 8,000
of to ad u	X	Total	8,000
And Contract	and a second		

JON 29,000

Jon 10,000



SUMMARY OF ESTIMATED EXPENSES

Agricultural Outlease Supervision and Management	\$ 38,333
3Bl0 Forestry Supervision and Management (Priority 1)	180,544
3B20 Reforestation (Priority 4)	23,388
3B30 Timber Stand Improvement (Priority 5)	17,027
3B40 Timber Sales (Priority 3)	82,646
3B50 Timber Access Roads (Priority 6)	25,699
3B60 Forest Protection (Priority 2)	112,603
3B70 Forestry Equipment Purchases (Priority 7)	8,000
27 11월 12일 및 2017년 - 18 27일에, 16 12일 및 2017년 17 - 19 12일 및 2017년 18 12일 및 2017년 18 12일 및 2017년 18 12일 및 2017년 1	

TOTAL FUNDING REQUIREMENTS

Funding Data:

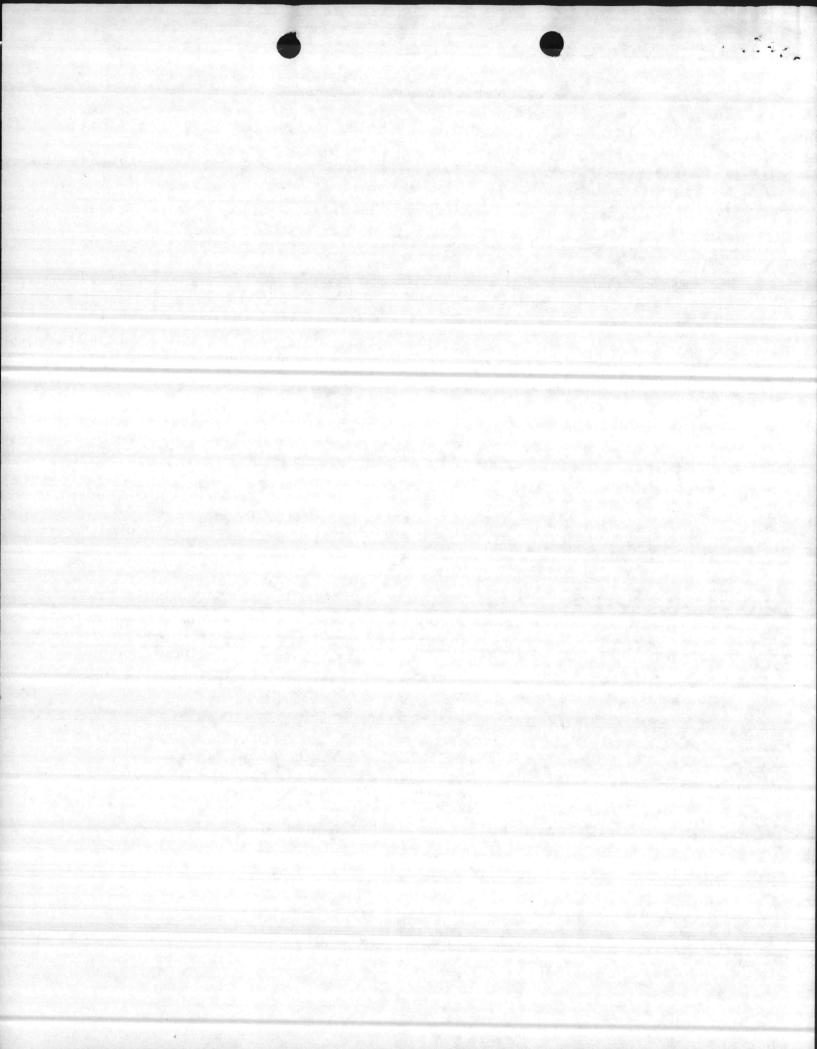
FORESTRY FY FUNDING DATA - ACTUAL AND ESTIMATED

Current FY-86	Budget FY-87	Budget FY-88
\$419,000	\$449,907	\$450,000
AGRICULTURAL	OUTLEASE BY FUNDING DATA	- ACTUAL AND ESTIMATED
Current FY-86	Budget FY-87	Budget FY-88
\$42,000	\$ 38,333	\$40,333

*25,788 in A VACANT G5-4 And converting G5-3 to Cleer (already covered in budget) These funds should be enough to Cover a TMF NOT covered in the budget.

TOTAL LABOR 228,069

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PART I FOREST RESOURCE MANAGEMENT

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

Agricultural Outlease Supervision and Management. Personnel will perform varies 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 manager 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:

SALARIES

GS-9(5)	Forester	(Adminis	strative)	(\$24,712)	\$28,605	
GS-3(4)	2/3 Cleri	<pre> Typist</pre>	(NREAD)	And the second	9,728	
				and the second second second		
				Total	\$38,333	

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

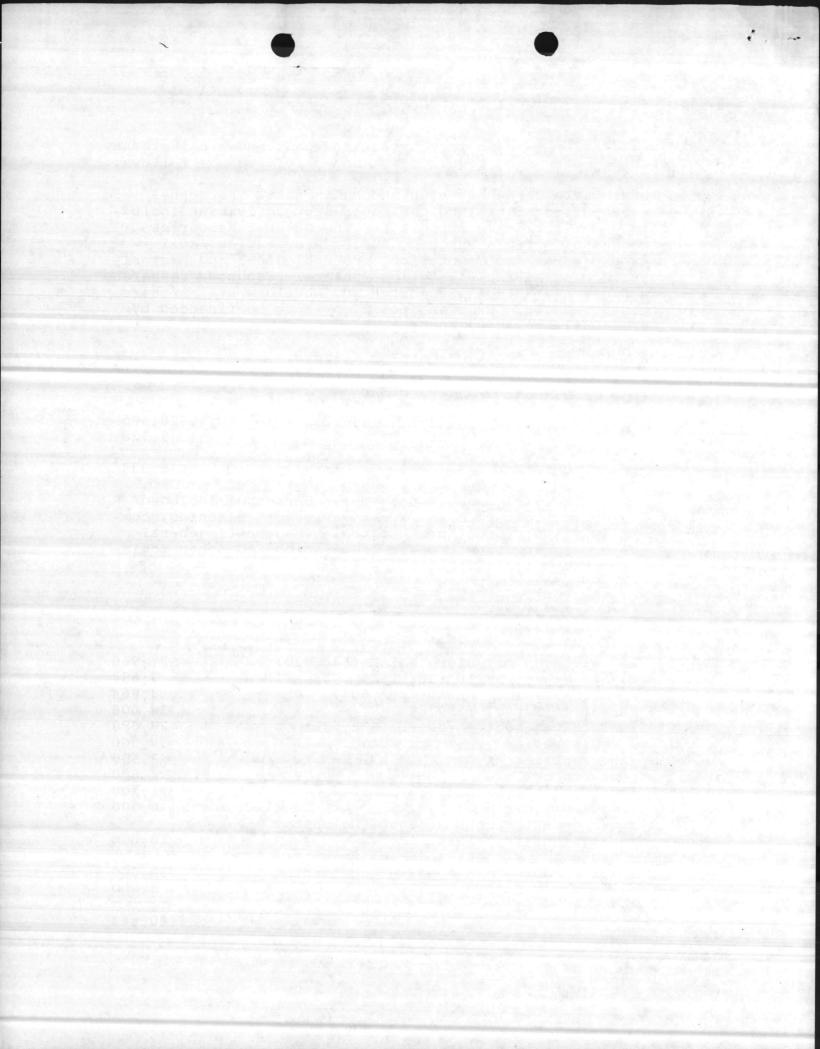
Estimated management functions are as follows:

SALARIES

GS-12(7) 1/2 Division Director, NREAD (\$43,920)	\$21,960	
GS-5(9) 1/3 Secretary, NREAD (\$21,102)	7,034	aq1.
GS-3(4) 1/3 Clerk Typist, NREAD (\$12,604)	4,004	
GS-11(5) Forester (Supvy) (\$29,897)	34,606	
GS-9(2) Timber Management Forester (\$22,531)	26,080	
Travel and Registration	(4000)7,000	同時の意味が
Materials and Supplies	(2,000)3,500	
Miscellaneous Support	(3,000) 4,500	· · · · · · · · · · · · · · · · · · ·
Fuel for forestry engineering equipment	11,500	eans
Fuel for forestry fleet	6,500	in int
(includes management trucks and hauling units)		29,5 Moto
Maintenance for forestry fleet	(2000)18,000	10
(includes management trucks and hauling units)	and the second second	A Supervision of the second
Maintenance of forestry engineering equipment	30,000	
Winches (5 winches @ \$1,000 "each)	5,000	n see y a the second of
	Salar and The State	

Total

. \$180,544



3B20 Reforestation. Planting of pine seedlings and direct seeding is scheduled on 89 acres in compartments 7 and 28. Site preparation for artificial regeneration is scheduled on 25 acres in compartment 27 and 188 acres for natural regeneration in compartments 27, 50 and 51. Regeneration and survival checks are scheduled on 933 acres (Priority 4).

Estimated expenses for reforestation:

Salaries

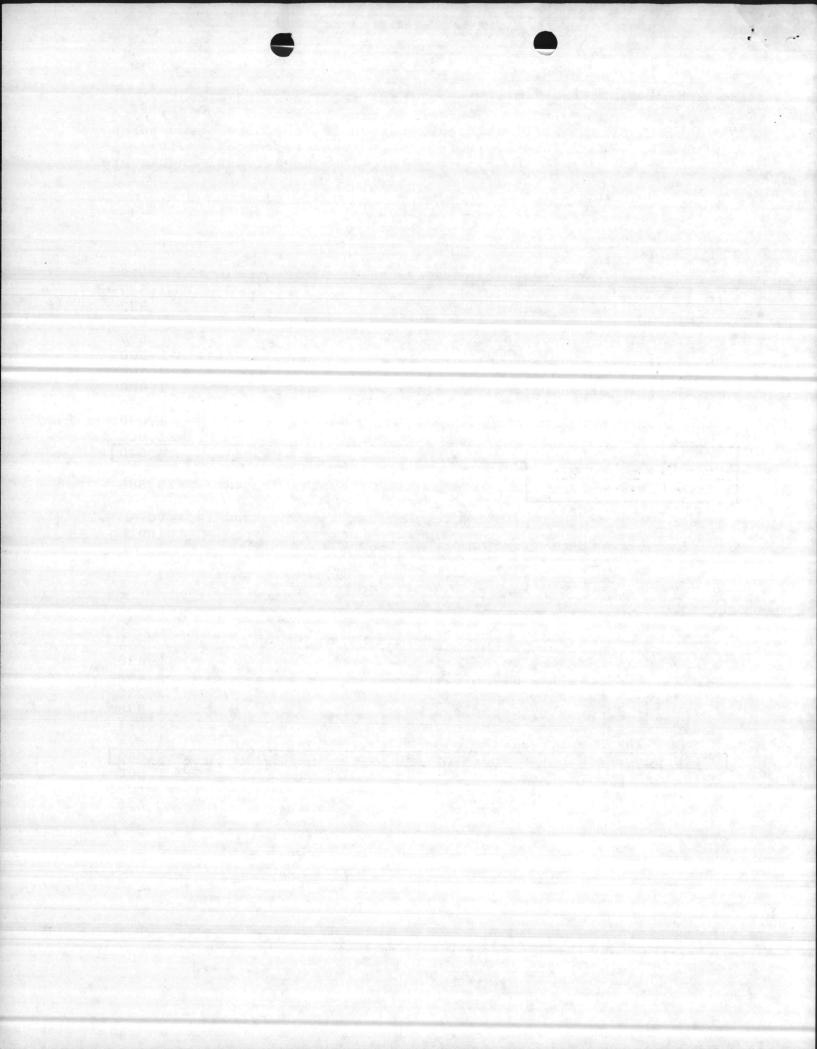
	GS-7(3) 5% Forest Technician	928	
	GS-5(2) 9% Forest Technician	1,517	10,48
	GS-4(3) 8% Forest Technician	852	4,0
	GS-4(3) 8% Forest Technician	852	
	GS-3(4) 5% Forestry Aide	699	
	Materials and Supplies	(1,000)1,500	
	Pine Seedlings and Seed	(1,000) 4,500	
	Maintenance and Repair of KG Blade	(500) 1,000	
	Maintenance and Repair of Rootrake	(500) 1,000	
	Maintenance and Repair of Bedding Harrows	(500) 1,000	
	Maintenance and Repair of Drum Chopper	(500) 1,000	
Г	WG-10 Heavy Equipment Operator (500 hrs @ \$17.08/hr)	8,540	1.68.63
	TON RAKE GONES 5,500 TON RAKE GONES 1,000 ZENES 400	1	
6	CHOP 96HES 1.600 Total	\$23,388	
L	8,500		

3B30 Timber Stand Improvement. Perform timber stand improve-ment by hand and machine on 439 acres for precommercial thinning in compartments 14, 15, 38 and 49 (Priority 5).

Estimated expenses for timber stand improvement:

Salaries

	GS-7(3) 1% Forestry Technician	\$ 253	
	GS-5(2) 17% Forestry Technician	2,630	1.85.7
	GS-4(3) 15% Forestry Technician	2,432	117
	GS-3(4) 15% Forestry Aide	2,236	13,
	GS-5(2) 12% Forestry Technician	1,978	
10	GS-4(3) 12% Forestry Technician	1,824	
10 P W/ 20	GS-4(3) 12% Forestry Technician	1,824	
CH 25 10	WG-10 Heavy Equipment Operator (80 hrs @ \$17.08/hr)	2,050	
100 hesoo	Materials and Supplies .	(1,000) 1,800	
P	Total	\$ 17,027	



<u>3B40 Timber Sales.</u> The estimated income from timber sales in FY-87 is \$500,000. Income for FY-88 is estimated to be \$480,000. Most of the income for FY-87 will be generated by regularly scheduled sales of approximately 1,051 acres. Salvage cuts from southern pine beetle, seedtree removals and construction sites will be made as required (Priority 3).

Estimated expenses from timber sales:

Salaries

GS - 7(3)	15%	Forestry	Technician	\$ 3,288
GS-5(2)	15%	Forestry	Technician	2,571
GS - 5(2)	83%	Forestry	Technician	14,173
			Technician	12,160
GS - 4(3)	77%	Forestry	Technician	12,160
			Technician	6,749
		-	Technician	6,749
		Forestry		7,689
		nd Supplie		17,107
			Provide the second and the second	

\$82,646 Total

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

Estimated expenses for access roads:

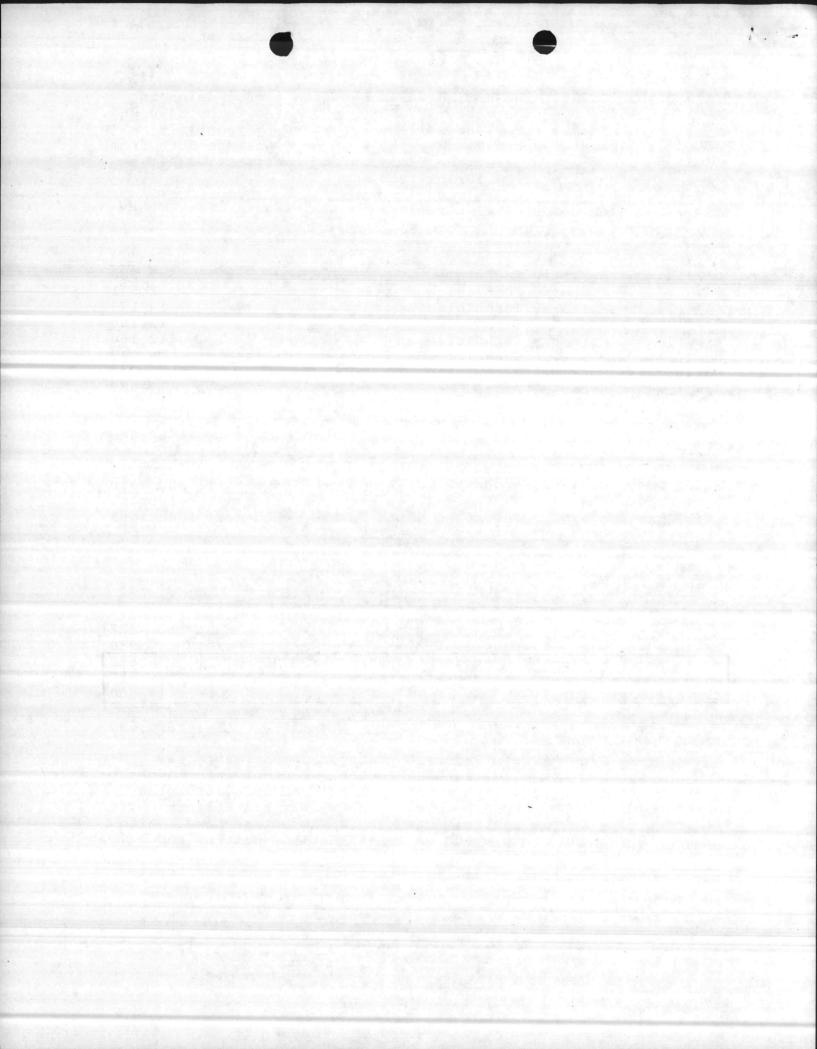
Salaries

GS-7(3) 2% Forestry Technician	\$	422
GS-5(2) 2% Forestry Technician		330
WG-10 Heavy Equipment Operator (400 hrs @ \$17.08/hr)		6,832
WG-10 Heavy Equipment Operator (400 hrs @ \$17.08/hr) 947 WG-8 Heavy Equipment Operator (40 hrs @ \$15.36/hr) 24,947		615
Materials and Supplies	1	7,500

Total

3B60 Forest Protection. Prescribe burn 12 compartments for rough reduction and wildlife enhancement. Control burn ranges and impact areas. Man fire towers. Use oeprator(s) and plow unit(s) for standby and suppression of wildfires. Perform southern pine beetle control measures on the entire base. With other federal and state agencies in evaluation, control and monitoring of infestations. Salvage infested timber through commercial sales when possible and use other prescribed treatments when sales are not possible (Priority 2).

\$25,699



Estimated expenses for forest protection:

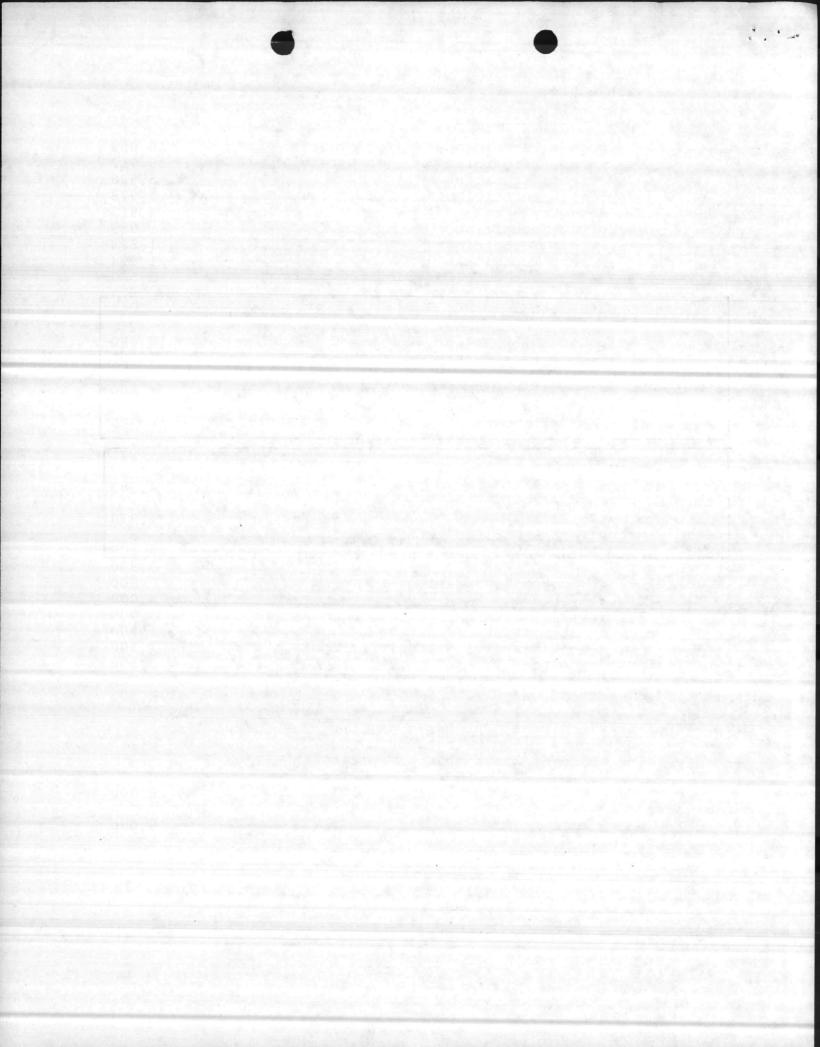
Salaries

	GS-7(3) 78% Forest Technician	\$18,089
	GS-5(2) 58% Forest Technician	
		10,712
	GS-4(3) 37% Forest Technician	5,928
	GS-4(3) 37% Forest Technician	5,928
	GS-3(4) 27% Forestry Aide	3,915
	GS-5(2) 6% Forest Technician	989
	GS-4(3) 12% Forest Technician	1,824
	GS-4(3) 12% Forest Technician	1,824
	Overtime and hazardous duty for forestry	(2,000) 5,500
	Wildfire Suppression:	
TON SION 12		A STATE OF A STATE OF A STATE
JON SUPPRES TO 410 SUPPRES TO 410	WG-10 Heavy Equipment Operator (800 hrs @ \$21.35/hr)	
JON 500,10 500000000000000000000000000000000	WG-10 Standby weekends (80 hrs @ \$17.08/hr) Heavy Equipment Operator overtime for wildfire suppression TD-12 Low ground pressure equipment rental	1,365
400 Nes 00	Heavy Equipment Operator overtime for	
80,29,00	wildfire suppression \$2%	(2,000) 4,500
	(400 hrs @ \$17.22)	6,888
	Prescribed Burning:	
	<u></u>	
in her for the second	WG-10 Heavy Equipment Operator (280 hrs @ \$17.08/hr)	4,783
N 1116-1	TD-12 Low ground pressure equipment rental	76
JO PLOWS WO I	(80 hrs @ \$17.22/hr) 410	1,378
50 10 10 10 10 10 PE00 105 TO 500 105 00	WG-10 Standby for prescribed burning	1,5,5
560 10,00	(240 hrs @ \$17.08/hr)	4,100
	Radio Rental and Maintenance	3,800
	Torch Fuel for Prescribed Burning	500
	Replace two PE-66 radios	(2,000) 4,000
	Replace two mobile radios	(1,500) 3,000
	Maintenance and repair two fire plows	(1000) 1,500
	Southern pine beetle aerial detection flights	1,500
	Material and Supplies	(2,000) 3,500
	Hateriar and puppites	
	Total	\$112,603
	3B70 Forestry Equipment Purchases. To purchase a tw	vo-disc
	swing axle pocosin plow, to replace a four-disc plow	
	be modified to level lines that are plowed annually:	
		and the second

Two disc, swing axle pocosin plows

\$ 8,000

Total 8,000



SUMMARY OF ESTIMATED EXPENSES

Agricultural Outlease Supervision and Management	\$ 38,333
<pre>3Bl0 Forestry Supervision and Management (Priority 1)</pre>	180,544
3B20 Reforestation (Priority 4)	23,388
3B30 Timber Stand Improvement (Priority 5)	17,027
3B40 Timber Sales (Priority 3)	82,646
3B50 Timber Access Roads (Priority 6)	25,699
3B60 Forest Protection (Priority 2)	112,603
3B70 Forestry Equipment Purchases (Priority 7)	8,000

TOTAL FUNDING REQUIREMENTS

Funding Data:

FORESTRY FY FUNDING DATA - ACTUAL AND ESTIMATED

Current FY-86	Budget FY-87	Budget FY-88		
\$419,000	\$449,907	\$450,000		
AGRICULTURAL	OUTLEASE BY FUNDING DATA -	ACTUAL AND ESTIMATED		
Current FY-86	Budget FY-87	Budget FY-88		
\$42,000 ·	\$ 38,333	\$40,333		

