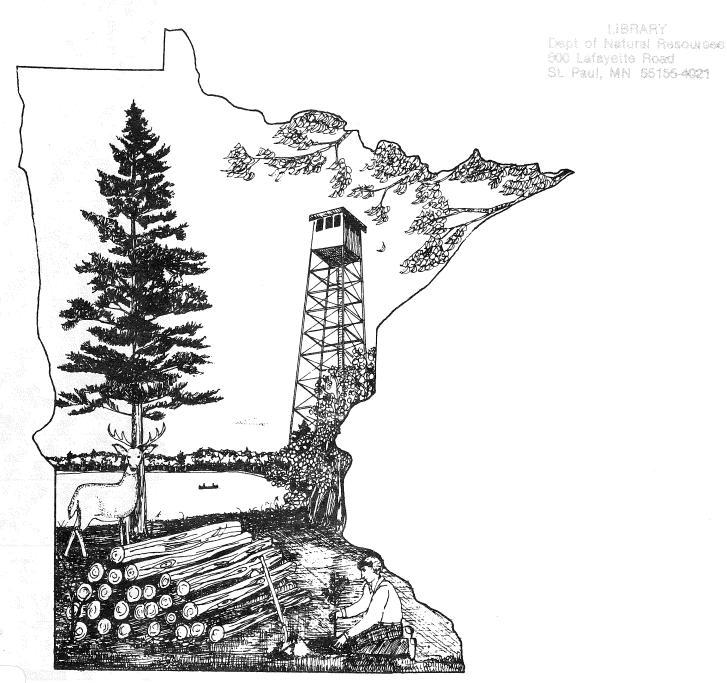


### FISCAL YEAR 1986 WORK PLAN





Department of Natural Resources Division of Forestry Saint Paul, Minnesota 55146

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DNR INFORMATION (612) 296-6157

September 27, 1985

#### Dear Friend:

This document presents the Division of Forestry's annual plan of work for fiscal year 1986 (i.e., July 1, 1985 - June 30, 1986). The annual work plan is prepared at the beginning of each fiscal year and contains specific accomplishment targets and objectives for division programs, including budget and staffing requirements. This information is based on projected needs and on actual budget appropriations for F.Y. 1986. It serves to bridge the gap between program planning and operational activities.

Information contained in the document is organized on a program basis and is presented according to the Division's current organizational structure. For each program there is a table listing budget (by funding source), staffing in full-time equivalents (or man-hours), and program objectives and targets where these are quantifiable. Statewide totals and, where possible, regional figures are also provided to indicate regional emphasis and variability.

I hope you will find this information useful in developing a better understanding of the Division of Forestry and the wide variety of activities we are engaged in. If you have questions or would like additional information, please feel free to contact myself of Dave Zumeta, Forest Planning Supervisor, Box 44 DNR Building, 500 Lafayette Road, St. Paul, MN 55146.

Sincerely,

Raymond B. Hitchcock, Director

Division of Forestry

RBH:1a Attachment

### WORK PLAN Fiscal Year 1986 Minnesota Forest Resources Plan

September 1985

Minnesota Department of Natural Resources
Division of Forestry
St. Paul, Minnesota 55146

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#### Introduction

This document is the Division of Forestry's annual work plan for fiscal 1986 which is used to translate the long-range goals of the Minnesota Forest Resources Plan into operating objectives for the Division's programs. The annual work plan is drafted at the beginning of each fiscal year to set the specific targets and objectives for the year, including budget and staffing requirements. This information is based on the actual budget appropriated for the Division for the year and is the tool that bridges planning and operations.

The information in this document is organized on a program basis and is presented according to the Division's organizational structure. For each program there is a table listing budget by source of funds, staffing and full-time equivalents or man hours, and objectives and targets where quantifiable. Statewide totals represent budget, staff and targets for both St. Paul and field operations. Where possible and applicable, regional figures are given. Regional figures represent the portion of budget, staff and targets allocated to a particular region.

#### Budget and Staff Summary

Table 1 summarizes the program budgets by source of funding. Budget estimates based both on F.Y. 1985 budget levels and on biennial budget appropriations for F.Y. 1986 are presented. Differences between projected and actual budget figures are attributable to variability in estimation techniques, supply and miscellaneous expenses, fringe benefit costs and the effects of inflation.

Table 1
Summary of Program Budgets by Funding Source, F.Y. 1986
(all figures in \$000's)

Funding Source	Budget (projected) (1)	Budget (actual) (2)
General Fund	9,743.4	13,102.9
Forest Management Fund	4,724.8	5,009.3
BWCAW	3,141.6	3,695.0
Other Federal Funds	1,268.6	531.6
LCMR	366.5	354.3
Bonding	1,431.0	1,066.0
Dedicated Campground Receipts	91.0	94.3
Other Recreation Dollars	124.8	200.0 (3)
Special Project Funds (4)	39.5	
Trust Fund	509.0	500.0
Resource 2000 (5)	gang mine	
Total	21,440.2	24.053.4

#### Footnotes:

- (1) Estimates based on F.Y. 1985 appropriations, excluding inflation.
- (2) Actual budget appropriations for F.Y. 1986. Differences between projected and actual budget figures are attributable to variability in estimation techniques, supply and miscellaneous expenses; fringe benefit costs and the effects of inflation.
- (3) Includes \$166,800 in LCMR appropriations.
- (4) Utilization and Marketing Program.
- (5) Funds have not yet been allocated from the \$2.4 million land acquisition account.

The staffing summary is based on the amount of time actually reported on employee time summaries during the period April 1, 1984 - March 30, 1985. The Division's actual personnel complement for fiscal 1986 is 404 full-time equivalents (fte's). The projected need in this work plan is for approximately 461 fte's. (See Table 2 for a breakdown by program area.) These fifty-seven fte's will be composed of overtime, or work performed by student workers, seasonal or non-tenured labor, or 90% positions.

The following are the program areas with major recommended staff level changes for fiscal 1986:

Program	Recommended Change (fte's)
Timber Management (includes fish & wildlife	- 29.7
management and forest soils activities)	
Forest Resources Inventory	- 28.6
Forest Recreation Management	+ 7.3
County Assistance Program	- 6.7
Land Administration	+ 5.7

net change - 52.0 fte

Table 2
Forestry Program Time Allocations, F.Y. 1986

Program	<u>FTE's</u> (1)	% of Total Time
Resource Management Section		
Forest Recreation Management	19.3	4.2
Forest Pest Management	13.2	2.9
Nursery & Tree Improvement	59.9	13.0
State Forest Roads	13.2	2.9
Land Administration	7.5	1.6
Timber Management (2)	141.9	30.8
County Assistance Program	5.6	1.2
Private Forest Management (3)	43.8	9.5
Resource Assessment Section		
Forest Resources Inventory	27.9	6.1
Utilization & Marketing	8.0	1.7
Resource Planning & Information Section		
Economics & Statistics	1.5	•32
Management Information Systems	4.8	1.0
Planning & Environmental Review	10.5	2.3
Resource Protection Section		
Fire Management	45.7	9.9
Maintenance, Administration & Training	58.0	12.6
Total	460.8	100.0

#### Footnotes:

- (1) For the purpose of analyzing workload and accomplishments, or time reported by task on the Monthly Time Summary, one FTE is 1730 working hours per year.
- (2) Includes fish and wildlife management and forest soils related activities.
- (3) Includes urban forestry activities.

# FOREST RESOURCE MANAGEMENT SECTION

WORK PLAN - 1986 Forest Recreation Management Program

•							
	Unit of Measure	St. Paul	I	II	III	v	Statewide Total
	neasure	I auı				<u> </u>	Total
Budget							
1. General Fund	\$(000's)	45	40	122.5	210	26	443.5
2. Dedicated Campground Receipts	\$(000's)	4	15	42	32	2.0	91.0
3. LCMR (A)	\$(000's)	35.0	40.0	45	60	0	145.0
4. Capitol Improvements (B)	\$(000's)			160	50	50	345.0
5. Water Access - G&F	\$(000's)		2.7	38.4	2.5	.16	30.05
6. Trails - General	\$(000's)		13.3	35.5	39.9	4.5	78.8
7. Canoe and Boating	\$(000's)		1.0	8.7	.16	. 4	15.9
Total	\$(000's)	84.0	112.0	452.1	394.56	83.06	1149.25
Staffing (fte = full time equivalent)	fte	1.8 (C)	2.5	6.0	8.0	1	19.3
<u>Objectives</u>							
Planning							
1. Assist in the recreation assessment	plans	2					
for unit plans.	F =	_					
2. Assist in the development of	plans	10					
recreation sub-area plans in unit	r						
plans.							
3. Assist in the development of	plans	6					
recreation sub-area plans in areas	•						
not scheduled for unit planning.							
4. Work with the Minnesota tourism	meetings	In conju	unction v	vith unit	plans		
industry in conjunction with unit	_						
plans to encourage development							
of private recreational facilities							
that would benefit from proximity							•
to DNR lands and to minimize							
competition.							
Policy and Regulation							
5. Participate in the development of an	policies	1					
off-road vehicle policy for state							
lands in conjunction with the Office							
of Planning.							

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		Unit of	St.					Statewide
		Measure	Paul	<u> </u>	ΊΙ	III	V	Total
6.	Develop and implement a system for regular evaluation of the forest recreation program and user satisfaction in cooperation with the Office of Planning.	systems	1					1
7.	Participate in the department-wide Outdoor Recreation Coordinating Committee, and represent Forestry's recreation responsibilities and interests in department recreation activities.	committees	Ongoin	g as req	uested			
	Promulgate and hold hearings on appropriate recreational rules.	rules	Ongoin	g as rul	es are pro	oposed		
€.	Develop and implement a system	systems						
	for monitoring implementation of existing outdoor recreation policies in conjunction with the unit planning process.	in use						
10.	Identify special enforcement training needs.	training sessions	Coordi	nated wi	th Forest:	ry/Enforce	ment tas	k force
Info	ormation							
11.	Work with the Division of Parks and Recreation and the University of Minnesota to develop appro- priate interpretive programs to explain the forest environment and forest management.	programs/ year	In con	junction	with uni	t plans		
12.	Assist in the development and distribution of new forest user maps.							
	a. maps showing state lands and recreation facilities for specific areas.	maps			n conjunc nds are a	tion with wailable)	unit	3
	b. state forest sub-area maps detailed maps of specific facilities.	maps	6					6

	Unit of	St.	_				Statewide
	Measure	Paul	<u>I</u>	II	III	V	Total
3. Initiate projects with the Minnesota tourist industry and the State Tourist Division to market development of outdoor recreation and tourism opportunities.	projects		junction nation Co	with unit ommittee	plans and	d the To	urism
Development and Rehabilitation  14. Rank state forest sub-areas that are in need of development or upgrading as outlined in sub- area or unit plans to allocate development and upgrading funds.	biennial rankings	Based plans.		mation fro	m the fie	ld or in	unit
15. Rehabilitate or expand existing facilities in sub-areas as out- lined in unit or sub-area plans. a. campgrounds	campgrounds		2	5	3	0	10
b. day use areas	areas		3	12	3	10	28
<ul><li>c. trails (rehabilitation)</li><li>l6. Develop new sub-areas as outlined in unit or sub-area plans.</li></ul>	miles		0	12	10	10	32
a. campgrounds	campgrounds			ed by unit			
<ul><li>b. day use areas</li><li>c. trails (new)</li></ul>	areas miles	10 be	determine	ed by unit	prans	12	14
d. water access  17. Develop cooperative projects with other divisions, agencies, and the private sector to integrate outdoor recreation efforts.	accesses			ed by unit with unit			- · ·
Operations and Maintenance 18. Operate and maintain forest recreation facilities in							
accordance with the budget. a. campgrounds	campgrounds		4	23	12	2	41
b. day use areas	areas		6	24	13	13	56
c. trails	miles		385	433	535	83	1,436
d. water access	accesses		22	77	41	2	142
e. canoe and boating sites	sites		8 ,	66	2	6	82
19. Develop a manual for the management	manuals		_	with Parks		er adopt	theirs
of forest recreation facilities.	M	to	Forestr	y recreati	on sites		

	Unit of Measure	St. Paul	I	<u> </u>	III	V	Statewide Total
20. Keep current the inventory system for existing Division of Forestry outdoor recreation facilities in conjunction with Office of Planning.	update inventory	Update	as nece	ssary			

<sup>(</sup>A) The LCMR Forest Recreation Development project allocation for 1986-87 is \$400,000. Of the \$200,000 annual budget, \$34,000 is shown in the forest resources planning program budget as salary and fringe for the recreation sub-area planner.

<sup>(</sup>B) Total bonding authority for 1986-87 is \$100,000. Sales of all the bonds is proposed for F.Y. 1986. \$245,000 of this total is leftover from the 83 Capital Improvement budget. The \$85,000 for the F.Y. 85 bonds has not been allocated to projects at this time.

<sup>(</sup>C) Proposed addition of a second forest recreation specialist to handle increased program workload.

	Unit of Measure	St. Paul	I	II	III	V	Statewide Total
Budget 1. General Fund 2. Federal Cooperative Funds Total	\$(000's) \$(000's) \$(000's)						306.5 70.0 376.5
<pre>Staffing (fte = full time equivalent)</pre>	fte	2 (A)	1.5	5.3	3.0	1.4	13.2
Objectives*							
<ol> <li>State-Federal Cooperative Targets</li> <li>Conduct surveys and investigations to determine presence of forest pests and evaluate damage or potential damage.</li> <li>Assess the impacts of selected major forest pests on Minnesota's forest resources.</li> <li>Conduct cooperative projects for developing integrated pest management techniques.</li> </ol>	MM acres projects projects	10.0		6.7	1	1	16.7 1
<ul> <li>Integration of Pest Management Principles with Forest Management Activities</li> <li>4. Develop and implement pest management guidelines and control strategies for each major timber type in Minnesota.</li> <li>5. Integrate guidelines into the unit planning process to reduce losses to forest pests.</li> </ul>	guidelines area plans	3	1	1	1	1	2
6. Begin risk rating Minnesota's forest lands.	M acres		10	6		Develop Gypsy Moth	19
<ol> <li>Provide increased forest protection efforts on seed orchards to reduce the potential of losses.</li> </ol>	percent of sites		100	100	100	System - 3 100	

\_

	Unit of	St.					Statewide
	Measure	Paul	I	II	III	<u>V</u>	<u>Total</u>
Surveys, Evaluations, and Research 8. Evaluate the effectiveness of	avatomo		1	2		2	5
	systems evaluated		1	<b>L</b>		2	J
9. Develop management guidelines for	criteria developed	26					26
10. Conduct field reviews of projects	percent of projects	10	30	40	50	100	
11. Increase monitoring of the environ-	percent of projects	5	10	10	10	10	
	traps		150	150	. 200	200	700
development proposals utilizing	percent of proposals reviewed	100	100	100	100	100	
	field reviews	1	2	2		2	7

15. Publish an insect and disease unit newsletter and prepare an annual report documenting program activities.

	Unit of Measure	St. Paul	I	II	III	V	Statewide Total
1985 Special Projects							
16. JPBW Permanent Plot Establishment.	plots		11	20			31
17. Hazardous waste sites.	projects	1	_	-	-		1
18. Pine tussock moth evaluation.	projects			_			0
19. White spruce seed orchard assessment and control.	projects			1			1
20. Pheromone trapping - JPBN&SBW.	# traps	21	81	81			183
21. Gypsy Moth hazard rating.	# projects					1	1

<sup>(</sup>A) Proposed addition of a herbicide specialist to handle increased workload.

to the needs of state.

#### WORK PLAN - 1986 Nursery and Tree Improvement Program

	Unit of Measure	Statewide Total	
Budget			
1. Forest Management Fund (Nursery)	\$(000 <b>'</b> s)	2,009.8	
C. (6) - (6) - 6 11 bins a minute (1)	C to	50.0	
<pre>Staffing (fte = full time equivalent)</pre>	fte	59.9	
<u>Objectives</u>			
Nursery			
1. Produce sufficient conifer seedlings to	M seedlings	19,500	
meet demand.			
<ol><li>Produce sufficient hardwood tree seedlings to meet demand.</li></ol>	M seedlings	1,500	
3. Produce sufficient conifer transplants	M transplants	700	
to meet demand.			
4. Supervise contracts for production of	M seedlings	1,000	
containerized seedlings.			
5. Maintain seed source control in the	areas	18	
procurement of cones and seeds.			
6. Implement nursery operations computer			
<ul><li>program.</li><li>7. Implement a building maintenance plan</li></ul>			
at each nursery.			
8. Expand buildings (office space and			
seedling shipping facilities).			
9. Implement tree sales information system			
(area involvement).			
10. Provide information on total nursery			
operations to all areas.			
11. Conduct seedling development meeting			
with state land, county land, private			
forest management units.			
12. Conduct seedling distribution meeting			
with state land, county land, private			
forest management units.			
13. Continue contacts and expand scope of			
selling nursery stock which is excess			
6 . 6			

	Unit of	Statewide	
	Measure	Total	
Tree Improvement			
14. Maintain seed orchards:			
a. jack pine	acres	20	
b. norway pine	acres	25	
c. white spruce	acres	27	
d. black spruce	acres	5	
15. Plant grafted white pine seed orchards.	acres	5	
l6. Continue work on grafting on black			
walnut, scotch pine.			

WORK PLAN - 1986 State Forest Road Program

	Unit of	St.					Statewide
	Measure	Pau1	Ī	II	III	<u>V</u>	Total
Budget							
1. General Fund	\$(000 <b>'</b> s)						337
2. Trust Fund	\$(000's)						9
3. BWCAW	\$(000's)						505
4. Forest Management Fund - Trust	\$(000's)						308
5. Forest Management Fund - Other	\$(000 <b>'</b> s)						51
6. Road and Bridge Betterment (bonding)	\$(000 <b>'</b> s)						846
7. State Forest Betterment	\$(000 <b>'</b> s)						45
Total	\$(000 <b>'</b> s)						2101
Staffing (fte = full time equivalent)	fte	1.3	3.3	4.8	3.5	.3	13.2
Objectives			•				
1. Construct new forest access roads	miles			5.0	7	1.3	13.3
on state lands.							
2. Reconstruct existing forest roads.	miles		124.8	40	46.7	8.9	220.4
<ol> <li>Repair/replace bridges on forest roads.</li> </ol>	bridges		3	1			4
4. Perform maintenance on class 1-4	miles		1030	630	260	25	1945
state forest roads. May indicate							
multiple activity.							
5. Begin work on comprehensive	plans		1.	3	1	1	4
transportation components in all							
Division of Forestry unit plans.							
6. Develop format and sections of a	sections	2					2
forest road manual to address the							
recommendations of the forest road							
plan.							

WORK PLAN - 1986 Land Administration Program

	Unit of	St.					Statewide
	Measure	Pau1	<u>I</u>	II	III	<u> </u>	Total
Budget							
1. General Fund 2. Resource 2000 (A)	\$(000's) \$(000's)	11	35	50	25	11	132
Total	\$(000 <b>'</b> s)						132
Staffing	fte	•5	1.5	2.0	1.5	2.0	7.5
Objectives							
Leases and permits 1. Provide for field supervision, administration, and service to leases, special-use permits, and related	leases and permits				·		3,100
requests on state lands administered by the Division of Forestry.							
Acquisition, Sale, or Exchange							
<ol> <li>Initiate or review land sale proposals involving DNR administered lands.</li> </ol>	M acres						20
3. Participate in development and	policies or	1					1
<pre>implementation of policies, procedures and administrative changes to facilitate land exchanges</pre>	procedures						
<ul><li>and gifts.</li><li>4. Assist in identifying land adjustment priorities in unit</li></ul>	unit plans		1	1	1		3
plans. 5. Acquire tracts according to approved LCMR work plan and gifts	acres		40 (gift)	60 (gift)	-	2400 (acquired)	2860
of land suited for forestry purposes.  6. Review and process land exchanges and land transfers.	proposals				acquired	1)	50

	Unit of Measure	St. Paul	Ţ	II	III	V	Statewide Total
Classification 7. Propose or review land use classifications involving DNR administered lands.	parcels						300

<sup>(</sup>A) Funds have not been allocated from the \$2.4\$ million DNR acquisition budget at this time.

WORK PLAN - 1986 Timber Management Program

	Unit of Measure	St. Paul	I	II	lII	V	Statewide Total
	neasure	raui	1	11	J. 1. 1.		Total
Budget							
Projects							
1. BWCAW	\$(000's)	521	225	501	115	-	1362
2. Forest Management Intensification (General)	\$(000's)	12	29		7		48
3. Forest Management Fund (Trust)	\$(000 <b>'</b> s)	1499	141	294	104		2038
4. Forest Management Fund (Other)	\$(000's)	40	73		80		193
5. State Forest Development	\$(000 <b>'</b> s)	85	96	250	69		500
6. State Forest Betterment	\$(000 <b>'</b> s)	85				110	195
Total	\$(000 <b>'</b> s)	2242	564	1045	375	110	4336
Staffing (fte = full time equivalent)							
1. General and BWCAW	(fte)	11.8	34.6	62.2	29.8	3.5	141.9
<u>Objectives</u>							
Management Plans							
1. Preparation and maintenance of timber management plans by management unit (area) to address sustained	plans		1	1			2
yields, regulated forests, regeneration needs, and forest areas suitable for energy production (fuelwood).							
2. Prepare forest development manual.	manuals	1					1
Timber Harvest							
3. Provide a reasonable share of the	M cords reoffer	r (A)	63.7	134.0	23.1		220.8
wood harvested within the state through	M cords offer	(B)	99.6	247.0	145.6	7.7	499.9
appraising, selling and supervising the harvest of timber on state lands.	M cords sold		121.6	208.0	138.3	6.3	474.2
4. Update the Timber Sales Manual and implement new or revised procedures.	manuals	1					1

		Unit of	St.			<del></del>	<del></del>	Statewide
		Measure	Pau1	I	II	III	V	Total
5.	Appraise and supervise the sale of special fuelwood permits on state	permits M cords			Statewi	.de		2,200 18
	lands.					•		
6.	Scale or account for wood harvested on state land.							
	a. Division scaling	M cords		52.4	79.2	54.2	5.3	191.1
	b. Consumer scaling	M cords		134.6	184.8	39.3	. 2	358.9
	c. Consumer agreement	Agreements	65					65
7.	Maintain and improve the timber sale information management system (data processing) by administrative area.	# areas		5	6	5	3	19
8.	Conduct St. Paul/Region timber sale staff meetings to plan and discuss procedures for the administration of state timber sales.	# meetings	2					2
q	Timber sales inspections by:							
•	a. St. Paul staff	# inspections		5	6	5	3	19
	b. Region staff	# inspections		5	6	5	3	19
10.	rest Regeneration  Conduct regeneration surveys on all natural regeneration, plantations, and seedlings as scheduled.  Plant or seed recent harvests,	M acres						
	unstocked or poorly stocked stands	aspen recyc.		•5	4.5	<del></del>		5.0
	not intended for natural regeneration.	site prep.		6.1	5.5	2.3	. 2	14.1
	•	plant		4.8	5.5	1.7	• <b>2</b>	12.2
		seed		•9	2.1	.1		3.1
		MM seedlings						
		bareroot		3.8	3.5	1.1	. 1	8.5
		container		0.4	.6	.6	منت شند	1.6
T'in	ber Stand Improvement							
	Chemical release.	acres		1312	3040	1218	400	5970
13.	Hand TSI. (C)	acres		80	156	474	434	1144
14.	Gopher control.	acres	<u></u>			305		305

	Unit of Measure	St. Paul	I	II	III	V	Statewid Total
General Forest Development 15. Conduct activities such as well capping, surveying, signing, fencing, or construction of erosion control structures to protect against encroachment or damage to forest resources.				plish witl able in Ro		60,000	
Silviculture and Forest Management Training 16. Conduct annual appraisal, scaling, and forest management workshops for Forestry personnel.	workshops		None	planned t	nis fiscal	year.	
Fish and Wildlife Program Objectives							
17. Monitor field implementation of the Wildlife/Forestry Coordination Policy and the related Forestry/Wildlife Guidelines to Habitat Management.	reviews	NA			1	1	2
a. Implement revised guidelines for			1	1	1	1	4
habitat management in all regions. b. Integrate wildlife habitat manage- ment guidelines into forest management activities.	silvicultural treatments			1000 (Cu 1850 (Ti	ltural) mber Sales	s)	2850
18. Conduct joint meetings with the Section of Wildlife at Region and St. Paul levels to facilitate communications and to develop complementary goals.	meetings	1	1	1	0	1	4
19. Provide assistance to the Section of Wildlife in planning timber management or silvicultural treatments to attain wildlife management objectives as requested.	major WMA's planned	1					1

	Unit of Measure	St. Paul	I	II	III	V	Statewide Total
Soils Program Objectives (D)							
20. Provide technical soils information on forest management intensification projects.							
a. regeneration projects	acres		1000	1000	1000		3000
b. forest road projects	projects		4	1	5		10
21. Assist in the collection of forest productivity and other interpretive data for each soil unit in each soil survey. Correlate soils data with timber inventory information.	ccunties surveyed		3	2	5		10
22. Assist in the development of publications supplemental to the county soil survey reports in order to provide foresters with interpretive information on forest soils.	publications		1	100	1		102
23. Train field foresters in the use of soils information through silvicultural and soils workshops of the area level.	workshops		4	3	5		12
24. Special projects - requests for soils information (i.e., relate soils to inventory, unit plans, archaeology work, aspen regeneration).	requests		4		4	. <b></b>	8

<sup>(</sup>A) Includes past timber appraisals previously offered and new appraisals already completed.

<sup>(</sup>B) Timber volume to be appraised this fiscal year.

<sup>(</sup>C) Includes activities accomplished by work crews and contracted vendors using a variety of hand tools (i.e., pruning, non-commercial thinning, crop tree release, cull tree removal, brushing).

<sup>(</sup>D) The Division has 3 soils specialists located in regions I, II and III.

#### WORK PLAN - 1986 County Assistance Program

	Unit of	Statewide
	Measure	Total
Budget		
1. General Fund		
a. Operations	\$(000 <b>'</b> s)	140.0
b. Grants	\$(000's)	1,250.0
2. BWCAW	\$(000's)	870.0
Total	\$(000's)	2,260.0
Staffing (fte = full time equivalent) (A)	fte	5.6
Objectives (B)		
Services		
1. Trees planted		
a. bare rooted stock	MM seedlings	3.315
b. containerized stock	MM seedlings	1.185
2. Planning assistance	# of plans	0
3. Inventory assists	# of requests handled	20
4. Timber regulation planning assists	# of requests handled	2
5. Timber sales	value \$(000's)	2,800
	M cords	547
6. Timber sales review	# of sales	10
7. Tax-forfeited land	M acres	2,778
8. Memorial Forests	M acres enrolled	1,600
9. Tree Growth Tax	M acres enrolled	438
10. Auxiliary Forest Tax	M acres enrolled	220

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	Unit of	BWCA FFY85	State	Timber
	Measure	Grants	Grants	Development
Development				
1. Reforestation				
a. site preparation	acres	2,500	925	215
<pre>b. tree planting</pre>	acres	2,500	925	215
2. Timber Stand Improvement	acres	500	1,650	50
3. Aspen silviculture	acres		<del></del>	
4. Forest road construction and	miles	50	42	47
maintenance				
5. Land survey	corrected		165	
·	miles			
6. Forest inventory	M acres		250	
7. Wildlife management	# of projects		3	
8. Recreational development	# of projects		3	2
9. Aerial photography	M acres			200
10. Supervision	fte	<del></del>	5.0	1.0
11. Land acquisition	acres			40
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<sup>(</sup>A) Six positions will be eliminated over the next fiscal year--three of these positions are presently vacant.

<sup>(</sup>B) Central office staff will assume functional reviews of county timber sales programs. The field organization will no longer make timber sale inspections of individual appraisals.

WORK PLAN - 1986
Private and Urban Forest Management Program

	Unit of	St.					Statewid
	Measure	Paul	I	II	III	V	Total
Budget							
Technical Assistance and Support							
1. General Fund	\$(000 <b>'</b> s)						947.6
2. BWCAW	\$(000's)						150.0
3. Other Federal	\$(000's)						260.6
4. State Cost-Share Program	\$(000 <b>'</b> s)						100.0
Federal Cost-Share Program							
5. FIP	\$(000's)						150.0
6. ACP	\$(000's)						400.0
Total	\$(000's)						2,008.2
Staffing (fte = full time equivalent)	fte	4.1		39.7			43.8
PFM Program Objectives							
1. Total assists	assists		2,000	1,200	3,500	7,000	13,700
- field	assists		1,100	920	1,700	1,600	5,320
- incidental	assists		900	280	1,800	5,400	8,300
2. Total management plans	plans		400	290	450	375	1,515
10 tal Management Plants	acres		16,000	13,150	20,000	10,000	59,150
- comprehensive management plans	plans		150	90	150	100	490
comprehensive management prans	acres		12,000	11,150	14,150	4,00	41,300
- brief management plans	plans		250	200	300	275	1,025
brief handgement plans	acres		2,000	2,000	5,850	6,000	15,850
3. Total site preparation	acres		600	900	1,500	1,500	4,500
- natural site preparation	acres		50	200	500	500	1,250
- artificial site preparation	acres		550	700	1,000	1,000	3,250
4. Reforestation	acres		1,500	1,320	2,300	1,500	6,620
- softwood reforestation	acres		1,475	1,320	2,000	500	<b>5,</b> 295
- hardwood reforestation	acres		25	0	300	1,000	1,325
5. Timber Stand Improvement	acres		450	395	1,000	1,500	3,345
- release TSI	acres		175	300	400	500	1,375
- other TSI	acres		275	95	600	1,000	1,970
6. Habitat improvement	acres		1,400	1,500	1,500	2,500	6,900
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		Unit of	St.					Statewide
		Measure	Paul		II	III	V	Total
8. Timber sales		sales		50	65	125	125	365
- timber sales a	cres	acres		1,300	1,870	3,000	2,000	8,170
- timber sales M	3F	MBF		6,000	16,120	15,000	4,000	41,120
- timber sales co	ords	cords						
9. Referrals to Con	sultants	number		60	70	9.0	100	320
10. U&M assists		number		100	30	160	260	550
ll. Prepare forest ma (include newspape		number		35	35	35	30	135
12. Sponsor forestry	field days	field days		3	5	3	6	17
13. Display at fairs	and exhibitions	number		3	3	3	12	21
14. Conduct vendor t		sessions		1	1	1	1	4
15. Prepare memos of ind. with local		number		5	6	5	3	19
Urban Program Object 16. Individual assis	ts	number		50	35	250	350	685
17. Community assist		number		30	25	70	60	185
<ol><li>Prepare urban fo (magazine or fea</li></ol>	ture)	number		1	1	1	3	6
<ol><li>Participate in c Day celebrations</li></ol>	•	number		5	6	5	4	20
20. Coordinate urban with the PFM spe district and are training session	cialists and the a foresters through	sessions						2
<ol> <li>Provide training foresters, tree developers, gove</li> </ol>	workshops for city inspectors, community rnmental officials, omeowners on urban	workshops						1
22. Prepare slide ta	and present them	presentations						4

## FOREST RESOURCE ASSESSMENT SECTION

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WORK PLAN - 1986 Forest Resource Inventory Program

	Unit of Measure	St. Paul	I II III V	Statewide Total
Budget 1. General Fund Total	\$(000's) \$(000's)	799.4 799.4		799.4 799.4
<pre>Staffing (fte = full time equivalent)</pre>	fte	21.9	6	27.9
<u>Objectives</u>				
Phase II - State and County Lands  1. Complete initial inventory of state and county lands.  2. Geographic input of forest resource inventory. (A)	M acres	47	60 1	108
a. Initial inventory, Phase II.  b. Non-industrial private lands. c. Hand compiled data assoc. with NIPL. d. Maint. and update of info. data base.  3. Geographic output of forest resource inventory.	Full Twp. Equiv. (B) Full twp. eq. Full twp. eq. # of alt's	42 62 100 6000		42 62 100 6000
<ul><li>a. Township maps</li><li>b. Township reports</li></ul>	<pre># of maps # of reports</pre>	1300 ° 800		1300 800
Update 1977 Phase I Inventory 4. Draft permanent plot manual. 5. Photo interp. of 1 acre points. 6. Photo transfer of ground checks. 7. Aerial recon. of non-forest plots. 8. Ground checking and field measurements of plots.	Manuals # of points # of plots # of plots # of plots (C)	1 26000 2400 1500 1144		1 26000 2400 1500 1144
Non-Public Land Cover Type Assessment 9. Carry out non-public land survey. (D)	Acres/year	350,000		350,000

	Unit of Measure	St. Paul	I	II	III	V	Statewide Total
Aerial Photography 10. Photograph and process 35mm	Acres						1,750,000
aerial photography.							
Training and Services							
11. Train foresters for permanent plots.	People	15					15
12. Maintain inventory staff expertise in resource evaluation systems and methods	Sessions •	4					4

<sup>(</sup>A) Based on 10.9 fte until 1-1-86 and 6.9 fte thereafter.

<sup>(</sup>B) Full Township Equivalent equals 23,040 acres.

<sup>(</sup>C) Based on 8 fte starting 1-1-86.

<sup>(</sup>D) A cooperative effort between SCS, DNR Forestry, Aitkin County, Itasca County and Carlton County.

## WORK PLAN - 1986 Utilization and Marketing

	Unit of	Statewide
	Measure	Total
Budget (A)		•
1. General Fund	\$(000 <b>'</b> s)	195.0
2. BWCAW	\$(000's)	30.0
3. Special Project Funds	\$(000's)	29.5
4. Special Programs	\$(000's)	10.0
Total	\$(000's)	264.5
Staffing (fte = full time equivalent) (B)		
. U&M staff	fte	6
2. Special Programs	fte	<b>.</b> 5
3. Contributions by supervisory, support and field personnel	fte	1.5
Total	fte	8
Objectives Objectives		
l. Forest Products Industrial Development		
a. Development opportunities identified		
and promoted - U&M initiated	number	8
- request initiated	number	50
b. Development organization assists	number	30
c. Presentations, workshops, tours given	number	20
d. Public media promotional articles and programs - published/presented.	number	8
e. Incidental assists	number	50
2. Wood Energy (Industrial/Commercial)		
a. Wood energy information publications.		
- issues	number	5
- copies circulated	number	1000
<ul> <li>b. Public media promotional articles and programs - published/presented.</li> </ul>	number	6
c. Cooperative promotional or technical	number	8
projects with other organizations.	Humbel	U
d. Individual energy conversion analyses.	number	10
<ul> <li>e. Other technical assists - request initiated.</li> </ul>	number	100

		Unit of	Statewide
		Measure	Total
	Forest Products Marketing		
3.	a. Market information publications.		
	- issues	number	15
		number	20000
	- copies circulated		
	<ul> <li>Public media promotional articles and programs - published/presented.</li> </ul>	number	6
	c. Major market research and development	number	4
	projects. d. Individual marketing assists.	number	100
+ -	Forest Products Processing (technical and business assistance)		
	a. Secondary industry		
	- major andlyses/assists completed	number	4
	- incidental technical assists	number	60
	b. Primary industry		
	<ul><li>major analyses/assists completed</li></ul>	number	8
	<ul> <li>incidental technical assists</li> </ul>	number	80
	c. Harvesting - technical assists.	number	50
	d. Presentations, workshops given.	number	5

<sup>(</sup>A) General Fund amount is an estimate of salary and expenses for six U&M staff and other Division support. BWCAW is an estimate of salary and expenses for one U&M staff. Special program funds is amount received from NRRI (contract) for development of a forest products industry directory. Special projects is an estimate of funding for special U&M initiatives.

<sup>(</sup>B) The 7 member U&M staff contributes approximately 1 fte to other Division programs, leaving 6 fte for U&M program. .5 fte in special program is in anticipation of hiring part time help for forest products industry directory project.

## FOREST RESOURCE PLANNING AND INFORMATION SECTION

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WORK PLAN - 1986
Economics and Statistics Program

	Unit of	Statewide
	Measure	Total
Budget		
1. General Fund	\$(000 <b>'</b> s)	15.0
2. BWCAW	\$(000's)	50.2
3. Federal	\$(000's)	10.0
Total	\$(000's)	75.2
Staffing (fte = full time equivalent)		
1. St. Paul	fte	1.5
Objectives		
1. Conduct stumpage price analyses.	reports	3 (A)
2. Update Economic Analyses for MFRP.	analyses	4
3. Complete Timber Value Modeling Project.	reports	. 2
4. Update financial guides for forest	reports	1
management investments.	-	
5. Implement analytical procedures for	reports	2
establishing tax valuation of timber		
for county auditors.		
6. Improve revenue and cost forecasting	analyses	4
and auditing for the Forest Management		
Fund.		
7. Coordinate annual BWCAW program development	reports	2
and accomplishment reporting.		
8. Assist with special projects, as requested.	projects	10

<sup>(</sup>A) Reports include: Volume Sold and Average Price Received for Stumpage by Public Agencies--1/year; State Stumpage Base Price--2/year.

WORK PLAN - 1986
Forest Management Information System Program

	Unit of	Statewide
	Measure	Total
<b>7.</b> 1		
Budget	4(0001)	167 5
1. LCMR	\$(000's)	187.5
2. General Fund	\$(000's)	339.6
3. Forest Management Fund (A)	\$(000's)	125
Total	\$(000 <b>'</b> s)	712.1
Staffing (fte = full time equivalent)		
1. St. Paul	fte/year	4.80 (C)
2. Field (B)	fte/year	
Total	fte/year	4.80 (C)
<u>Objectives</u>		
1. Information Systems Development. This	fte	1.3
includes development, training, and		
installation.		
a. Supervise the nursery systems development.		
b. Begin the development effort for forest		
management.		
c. Develop Divisionwide access to the Phase II		
inventory.		
2. Systems Maintenance. This includes equipment	fte	1.75
as well as systems. (D)		
3. Administration and supervision.	fte	1
4. Assist with special projects and one-time	fte	<b>.</b> 75
data processing efforts that the Division		
requests.		

<sup>(</sup>A) By law expenditure of the Forest Management Fund is restricted to the following purposes: a) reforestation, including nursery operation, b) forest road improvements, c) equipment and training needed for forest fire control, and d) forest pest management. The Forest Management Fund appropriations will be used to develop systems directly related to the above purposes.

<sup>(</sup>B) St. Paul, Region, area and district personnel are involved in MIS related planning, development and training. It is not possible to document the effort expended using time summaries since St. Paul, region, area and district personnel code their time to the program that uses the information system (e.g., timber sales, fire).

<sup>(</sup>C) In the Systems Unit, four fte positions and one 80% position are projected. This does not include any work outside of the Systems Unit.

<sup>(</sup>D) Item 4 can't be scheduled. It item 4 varies from anticipated, systems development (item 1) will be impacted accordingly.

WORK PLAN - 1986
Forest Resource Policy, Planning and Environmental Review Program

	Unit of	Statewide
	Measure	Total
Budget		
1. General Fund	(000's)	276.0
2. Federal Planning Assistance Program	(000's)	13.0
3. BWCAW	(000's)	45.0
4. LCMR	(000's)	34.0
Total	(000's)	368.0
Staffing (fte = full time equivalent)		
1. St. Paul	fte	0.8
2. Region	fte	0.5
3. Area/District	fte	2.0
Total	fte	10.5
Objectives		
<ol> <li>Prepare draft of MFRP update (all but program portion).</li> </ol>	plans	1
2. Prepare an implementation report based on the MFRP. Tthis report will evaluate how successful each program has been in meeting its MFRP objectives.	reports	1
3. Prepare the annual work plan and accomplishment report.	plans/reports	2
4. Prepare Orr and Park Rapids Area unit plans.	plans	3 including Moose Lake
5. Provide planning expertise to the	projects	15
Department and the Division for special		
high priority projects.		
6. Develop forest recreation sub-area plans.	plans	5
7. Review DNR policy, planning and other	documents	
documents which require Division of		
Forestry input.		
8. Make media appearances on forest planning	appearances	2
and management.		

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## FOREST RESOURCE PROTECTION SECTION

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WORK PLAN - 1986 Fire Management Program

2. Fire Management Fund (General Fund) \$ (000's) 750.0 (13) 3. Federal Cooperative Funds a. Wildlife Protection \$ (000's) 225.0 b. Rural Community Fire Protection \$ (000's) 140.0 Total \$ (000's) 2,760.2  Staffing (fte = full time equivalent) 1. St. Paul and Grand Rapids fte 10.9 2. Region fte 1.5 3. Area/District fte 33.3 (C) Total fte 45.7 (C)		Unit of	St.					Statewide
1. General Fund		Measure	Pau1	I	II	III	<u>V</u>	Total
1. General Fund	Budget (A)							
2. Fire Management Fund (General Fund) \$ (000's) 750.0 (3) 3. Federal Cooperative Funds a. Wildlife Protection \$ (000's) 225.0 b. Rural Community Fire Protection \$ (000's) 140.0 Total \$ (000's) 2,760.2  Staffing (fte = full time equivalent) 1. St. Paul and Grand Rapids fte 10.9 2. Region fte 1.5 3. Area/District fte 33.3 (Cotal fte 33.3 (Cotal fte 1.5) 5 3. Area/District fte 33.3 (Cotal fte 1.5) 5 45.7 (Cotal fte 1.5) 6  Objectives  Training 1. Increase enforcement and investigation procedures related to wildfires. a. Train Level I Enforcement prosonnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques. b. Train Level III Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques. c. Train Level III enforcement people 15 15 personnel - joint with conservation officers. 2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).		\$(000's)						1.645.2
3. Federal Cooperative Funds a. Wildlife Protection b. Rural Community Fire Protection 5 (000's) 140.0 Total 5 (000's) 140.0 Total 5 (000's) 140.0 Total 5 (000's) 140.0 Total 5 (000's) 5 Earling (fte = full time equivalent) 1. St. Paul and Grand Rapids fte 10.9 2. Region 1. St. Paul and Grand Rapids 1. St. Paul and Grand Rapids 1. Increase enforcement and investigation procedures related to wildfires. a. Train Level I Enforcement personnel in wildfire laws and modern fire investigation techniques. b. Train Level II Forestry personnel in proper law enforcement procedures and techniques. c. Train Level III enforcement personnel in proper law enforcement procedures and techniques. c. Train Level III enforcement people 10 80 10 10 110 15 personnel - joint with conservation officers. 2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).								750.0 (B)
a. Wildlife Protection \$(000's) \$(000's		, ()						,
Description   Staffing (fte = full time equivalent)   St. Paul and Grand Rapids   Fte   St. Paul and Grand Rapids   St. Paul and Grapids   St. Paul and Grand Rapids   St. Paul and Grand Rapids   S		\$(000's)						225.0
Staffing (fte = full time equivalent)  1. St. Faul and Grand Rapids fte 2. Region fte 3. Area/District fte 33.3 (Cotal fte								
Staffing (fte = full time equivalent)  1. St. Paul and Grand Rapids fte 10.9  2. Region fte 1.5  3. Area/District fte 33.3 (Continue basic fire fighter people 50 10 for fining.  2. Training 1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel in people 5 15 10 15 45 for fining fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 for fining fire investigation techniques.  c. Train Level III enforcement procedures and techniques.  c. Train Level III enforcement people 15 personnel officers.  2. Continue basic fire training.  a. Conduct basic fire training.  a. Conduct basic fire training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).					-			
1. St. Paul and Grand Rapids fte 10.9 2. Region fte 33.3 (C. Region fte 43.3 (C. Region ft 43.3 (C. Region fte 43.3 (C. Region	10001	4 (000 2)						-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2. Region fte 1.5 3. Area/District fte 33.3 (C) Total fte 45.7 (C)  Objectives  Training 1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 10 15 45 in personnel people 15 15 10 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 10 10 10 110 in personnel pioint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 in people training.  b. Train specialized fire teams people 40 40 40 in people 4	Staffing (fte = full time equivalent)							. Program
33.3 (C) Total fte 33.3 (C) Total fte 45.7 (C)  Objectives  Training 1. Increase enforcement and investigation procedures related to wildfires. a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques. b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques. c. Train Level III enforcement people 15 15 15 10 15 45 in personnel - joint with conservation officers.  2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 40 40 40 40 40 40 40 40 40 40 40 40	1. St. Paul and Grand Rapids	fte						
Training  1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 15 15 10 10 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 16 17 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	2. Region	fte						
Training  1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	3. Area/District	fte						33.3 (C)
Training 1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).	Total	fte						45.7 (C)
Training 1. Increase enforcement and investigation procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).	Oliophina							
<pre>1. Increase enforcement and investigation     procedures related to wildfires.     a. Train Level I Enforcement personnel people 5 15 10 15 45     in wildfire laws and modern fire     investigation techniques. b. Train Level II Forestry personnel people 10 80 10 10 110     in proper law enforcement procedures     and techniques. c. Train Level III enforcement people 15 15     personnel - joint with conservation officers. 2. Continue basic fire training.     a. Conduct basic fire fighter people 50 10 60     training. b. Train specialized fire teams people 40 40     (overhead teams, hotshot crews, helitac crews, etc.).</pre>	Objectives							
<pre>1. Increase enforcement and investigation     procedures related to wildfires.     a. Train Level I Enforcement personnel people 5 15 10 15 45     in wildfire laws and modern fire     investigation techniques. b. Train Level II Forestry personnel people 10 80 10 10 110     in proper law enforcement procedures     and techniques. c. Train Level III enforcement people 15 15     personnel - joint with conservation officers. 2. Continue basic fire training.     a. Conduct basic fire fighter people 50 10 60     training. b. Train specialized fire teams people 40 40     (overhead teams, hotshot crews, helitac crews, etc.).</pre>	Training							
procedures related to wildfires.  a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 personnel joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).								
a. Train Level I Enforcement personnel people 5 15 10 15 45 in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 15 15 15 15 15 15 15 15 15 15								
in wildfire laws and modern fire investigation techniques.  b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 personnel - joint with conservation officers.  2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).		people	5	15	10	15		45
b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).	•	• •						
b. Train Level II Forestry personnel people 10 80 10 10 110 in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 15 15 personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).	investigation techniques.							
in proper law enforcement procedures and techniques.  c. Train Level III enforcement people 15 personnel - joint with conservation officers.  2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 (overhead teams, hotshot crews, helitac crews, etc.).		people		10	80	10	10	110
and techniques.  c. Train Level III enforcement people 15  personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 40 40 (overhead teams, hotshot crews, helitac crews, etc.).		1 1						
c. Train Level III enforcement people 15  personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 40 40 40 (overhead teams, hotshot crews, helitac crews, etc.).	•							
personnel - joint with conservation officers.  2. Continue basic fire training.  a. Conduct basic fire fighter people 50 10 60 training.  b. Train specialized fire teams people 40 40 40 40 (overhead teams, hotshot crews, helitac crews, etc.).		people	15					15
officers.  2. Continue basic fire training. a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 40 40 (overhead teams, hotshot crews, helitac crews, etc.).		roop						
<ul> <li>2. Continue basic fire training.</li> <li>a. Conduct basic fire fighter people 50 10 60 training.</li> <li>b. Train specialized fire teams people 40 40 (overhead teams, hotshot crews, helitac crews, etc.).</li> </ul>								
a. Conduct basic fire fighter people 50 10 60 training. b. Train specialized fire teams people 40 40 40 40 (overhead teams, hotshot crews, helitac crews, etc.).								
training. b. Train specialized fire teams people 40 40 40 40 40 40 40 40 40 40 40 40 40		people	50		10			60
b. Train specialized fire teams people 40 40 40 40 helitac crews, etc.).		Perpar	-					
(overhead teams, hotshot crews, helitac crews, etc.).	S .	people	40					40
helitac crews, etc.).		r 'r	• •					
		denartmente	140		30			170
wildfire control techniques.		deparements	140		30			1.0

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	Unit of	St.					Statewide
	Measure	Paul	I	ΙΙ	III	V	Total
d. Continue conversion training for the National Interagency Incidence Management System (NIIMS).							
<ul> <li>state forestry personnel</li> </ul>	peopl <b>e</b>		30	40	50	10	130
- others	pe <b>ople</b>		5	5	10	5	25
e. Continue fire behavior and fire danger rating system and fire weather training by training area specialists.							
- area personnel	people		5	12	5	2	24
National training and coordination.							
a. Continue a national training course to fulfill our commitment to the national fire protection	courses	5					5
program and exchange of training information.			-		_	0	1.0
Fire prevention training.	people		5	6	5	2	18
ire Management . Use of prescribed fire as a resource	acres		1,000	500	400	100	2,000
management tool.	ac.1 C5		1,000	300	400	100	2,000
revention							
<ul> <li>Expand and effectively develop programs and policies for rural fire prevention.</li> </ul>							
a. Increase public awareness and wild- land fire problems in rural areas through mass media and public appearances.	pieces of information	5,000	10,000	20,000	30,000	5,000	70,000
b. Distribute material to rural property owners on fire prevention methods and techniques.	brochures		2,000	1,000	2,000		5,000
Improve cost collection percentages.	percent of fires billed		40	60	50	40	
. Issue citations for illegal burning.	citations		60	100	80	15	255

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		Unit of Measure	St. Paul	I	II	III	V	Statewi Total
Presuppres	sion		•					
	Federal cooperative targets.							
a. Ins pro	pect and inventory excess perty for state fire crews rural fire departments.	inspections		250	450	250	25	975
b. Pro rur	cess additional requests for all fire departments into the ess property program.	applications	145					145
	l Programs.						•	
wit for ass	duct joint economic analysis in Chippewa and Superior national ests along with providing istance to other states.	positions	2					2
	ch and Program Continuation. earch fuel models and modify	models	1					1
for	Minnesota's vegetation.	reviewed	1					
-	ate area fire plans as needed.	plans		3	7	3		13
pro	duce yearly summary on fire gram.	reports	1					
wit	ate cooperative agreements h other fire agencies.	agreements		130	190	230	120	680
	rdinate research and information tems on national and regional is	meetings	10					10
12. Routin	e Presuppression Activities							
b. Mak dis for	ue and inspect burning permits. e daily weather observations, tribute weather and special ecasts, and maintain weather tion.	permits hours		11,500	10,500	40,500	3,600	66,100
(st	inister seasonal fire duties andby, cooperator agreements, ruit and train fire personnel,	agreements people trained	2,000 300					2,000 300
d. Tra	in and update township fire dens.	wardens	2,300					2,300
e. Pre	pare and administer aerial ection contracts.	contracts	25					25

	Unit of	St.					Statewide
	Measure	Paul_	I	<u>II</u>	III	<u>V</u>	Total
Suppression							
13. Suppress wildfires.	fires		387	350	708	180	1,625
14. Prepare fire reports.	reports		387	350	708	180	1,625

- (A) In case of a severe fire season, the Division of Forestry will submit emergency funding requests to the Legislative Advisory Commission to cover costs in excess of general fund appropriations.
- (B) This includes Fire Fund appropriations only. Full-time salaries aren't included.
- (C) Staffing level is based on the annual average time spent on fire programs from 1978-82. Area/District personnel time spent on suppression activities varies significantly. In low fire years some of these fte's will be available for other programs; during severe fire years time will be drawn from other programs.

## WORK PLAN - 1986 Maintenance and Administration Program

	Unit of	Statewide
	Measure	Total
D. Jack		
Budget 1. General Fund	\$(000's)	1,958.6
2. BWCAW	\$(000's)	129.4
Total	\$(000's)	2,088.0
10041	, (cco b)	2,000,0
Staffing ( fte = full time equivalent)		
1. St. Paul	fte	9.0
2. Region I	fte	12.0
3. Region II	fte	19.0
4. Region III	fte	13.0
5. Regions IV, V and VI	fte	5.0
Tota1	fte	58.0 (A)
<u>Objectives</u>		
Equipment and Facility Maintenance		
1. Maintain all division administered	buildings	301
buildings	man hours	13,400*
2. Maintain all division motorized	self-propelled	790
vehicles and equipment (non-fire).	units	
, and the second	man hours	35,000*
Training	man hours	•
3. Provide in service training for	training days	3,900
Division personnel.	0 ,	
4. Participate in continuing education	training days	450
training sessions available outside		
the Divison.		
5. Develop position description guidelines	# of guidelines	6
for field positions.		
6. Develop F.Y. 86 training schedule for	# of schedules	1
Division in-service.		•
7. Participate in Department Affirmative	days	15
Action program.		
8. Recruit professional and technical	# of visits	2
foresters for Division employment.		

	Unit of	Statewide	
	Measure	Total	
Fiscal and Personnel Administration			
9. Handle grievances in all bargaining units.	# of grievances	10	
	man hours	500	
10. Prepare biennial budgets and annual spending plans for all accounts.	spending plans	1	
11. Keep bill paying within 30-day time frame as provided by law.	bills within 30 days	95%	
12. Develop proposed legislation and follow	<pre># of bills drafted</pre>	5	
bills through legislative process.	# of bills tracked	175	
Special Projects			
13. 75th Anniversary.			

<sup>(</sup>A) Reduction in FTE's due to reduction in buildings and repair worker positions.