

COUNTY FOREST COMPREHENSIVE LAND USE PLAN
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1000 OBJECTIVES, FORMAT, AND POLICY

1000.1 OBJECTIVES

To provide guidelines to define the optimum level of activities, which should be undertaken to achieve the full potential benefits from the forest.

1000.2 FORMAT AND POLICY

Needs for the county forest shall be listed without regard to budgetary constraints or other limitations. This list shall identify the forest potential in terms of public benefits, investment opportunities, and financial returns. Silvicultural needs of the county forest are identified in the Forest Compartment Reconnaissance printout. The DNR Public Lands Handbook describes procedures for use of this information. Other needs shall be determined by the Committee and the forest administrator, with technical assistance from the DNR and interested agencies or individuals qualified to provide such assistance.

1100 DETAILED ANNUAL NEEDS FOR 15 YEARS

Annual silvicultural needs are identified in the Forest Reconnaissance printout. The printout, referenced in the plan, is available in the County Forest Administrator's office. Printout listings include timber harvests, tree planting, and other silvicultural activities. Other unanticipated needs will be addressed in accordance with the procedures outlined in this plan. These items will be identified and plans made for implementation, as part of the annual budget work plan prepared by the Forest Administrator and Committee. Annual work plans are approved by the County Board and forwarded to the DNR as required by statute (s. 28.11(5) (b) and s. 28.11(5m) (b)), Wis. Stats.

1110 PURPOSE OF TIMBER HARVESTING

Sustained timber harvesting is the primary tool that the Juneau County and Department of Natural Resources foresters use to meet the variety of objectives including:

- maintaining forest health
- increasing forest productivity (growth and quality)
- providing a sustained flow of forest products
- improving and maintaining wildlife habitat
- promoting biological diversity through ecosystem management
- maintaining desired aesthetic conditions

1120 INVENTORY AND SCHEDULING

Fifteen year timber management practices are identified and scheduled using the county forest reconnaissance printout. Foresters use this combined with current forest conditions addressing multiple use concerns to set a harvest schedule.

Forest Reconnaissance Program 12B identifies stands scheduled for harvest or cultural treatments during the next fifteen year planning period. In the next fifteen year period 4,452 acres have been scheduled for regeneration or selection harvests on the forest. The Forest types and acreage identified for the harvest* are:

Aspen	201 Acres
Bottomland Hardwoods	53 Acres
White Pine	380 Acres
Jack Pine	678 Acres
Oak	649 Acres
Red Pine	2491 Acres

	4,452 Acres

*Includes even-aged, all aged, and intermediate harvests.

Approximately 445 acres will be evaluated each year for the commercial timber harvests. However, it is likely that 400 acres of harvests will be established annually because of scheduling errors, aesthetics, wildlife habitat, and environmental concerns.

1130 Red Pine Resource

Red pine is the most critical forest type which be considered during the next planning period. It consists of half of the management concerns over the next fifteen years. Most of this is commercial thinnings, with very few clear cuts of mature stands. The average age of the stands is 40 years old. In this crucial thinning time for pine plantations, each stand will be accessed and a selective marking applied to weed out poor quality and damaged trees leaving the best possible stock to continue on into saw logs. The younger stands, just being thinned for the first time will be row thinned to allow for equipment to pass through and layout future access to the stand. At all times the stand will be evaluated for disease and insect damage. When decline is observed, vectors will be identified and management plans altered to allow for effective control of the loss of productivity.

1140 Jack Pine and Black Oak Resource

The mixed Jack Pine and Black Oak stands dominating the Central Sands of northern Juneau County make up almost forty-five percent of management concerns over the next 15 years. This combined with red pine plantations cover ninety percent of the cover types that will be intensively managed. The oak/jack pine mix is the dominant native tree cover of the county. Therefore to help maintain this type Juneau County and the Regional DNR biologist work together, seeding jack pine into harvested oak/jack pine stands. Natural stands have a hard time regenerating jack pine through the oak slash. So a dozer and seeder bomb method is used to seed areas that were oak dominant and balance the jack pine oak structure of the stand. This practice helps regenerate a native timber type that would be phased out by the lack of natural fires. Concerns of this cover type are Oak Wilt and Jack Pine Budworm. In the past the Jack Pine Budworm has devastated large tracts of Jack Pine. Currently Oak wilt is slowly chewing away at the Black Oak. These two vectors are the biggest threats to this particular forest type. By continuing the regeneration cuts and seeding program, the county will maintain this important cover type.

1200 SUMMARY OF FIFTEEN YEAR NEEDS

A schedule giving a summary of silvicultural needs and other needs for the period covered by this plan appears as an inclusion in this chapter.

Not: The “Needs” schedule is put together for planning purposes. The best available information has been used on developing the schedule. It is not to be followed without modification. Forests are dynamic entities, and managers must be able to be responsive and adaptive to change. Funding and staffing shortfalls may also impact the ability of Juneau County Land, Forestry, and Parks Department to fulfill identified needs. Refer to Chapter 2000 – Annual Work Planning, for reference on progress towards the identified needs in this chapter.

JUNEAU COUNTY FOREST SUMMARY OF PLANNING PERIOD NEEDS
2006 THROUGH 2020

Plan Section	Function and Units	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total	Average/Year
225	Personnel												
225.1	Employees: Total FTE	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	37.5	3.75
	Forestry And Parks Dept.												
	Equipment :												
230	Pickup and/or SUV		1	1			1		1	1		5	
	Heavy Equipment: Skid Steer	1										1	
	Chainsaws			1								1	
	ATV/Gator				1@						1@	2	
	850 Dozer Replacement				CRP	1					WP	1	
	Mowers Hand/Self Propelled							1				1	
410	Land Acquisition		40		40		40		40		40	200	20
415	Entry Of Lands- Acres	40	40	40	40	40	40	40	40	40	40	520	52
420	Withdrawal of Lands- Acres	0	0	0	0	0	0	0	0	0	0	0	0
425	Land Surveying- Miles	1	1	1	1	1	1	1	1	1	1	10	1
430	Boundary Maintenance- Miles	1	1	1	1	1	1	1	1	1	1	10	1
505	Timber Harvests-Acres- Total	256	459	1121	253	741	351	568	200	119	384	4452	446
	Regeneration Cut-Acres- Total	182	256	336	27	110	123	146	137	119	119	1555	156
	Aspen- Acres	40	52	8	0	0	3	0	76	22	0	201	20
	Oak- Acres	38	22	229	10	57	115	90	47	0	15	623	62
	Jack Pine- Acres	104	182	99	17	0	5	24	14	97	81	623	63
	Bottomland Hardwoods-Acres	0	0	0	0	53	0	0	0	0	0	53	5
	White Pine- Acres	0	0	0	0	0	0	32	0	0	23	55	6
	Intermediate Cut-Acres- Total	74	203	785	226	631	228	422	63	0	265	2901	290
	Oak- Acres	16	0	10	0	0	0	0	0	0	0	26	3
	Jack Pine-Acres	0	0	17	17	21	0	0	0	0	0	55	6
	Red Pine- Acres	40	185	724	192	568	136	364	63	0	219	2491	249
	White Pine- Acres	18	18	34	17	42	92	58	0	0	46	325	33
505.5	Reforestation:		0	0	40	0	40	0	0	40	0	120	12
	Planting_ Acres	0	0	0	0	0	0	0	0	0	0	0	0

Seeding-Acres	95	0	40	0	0	40	0	0	40	0	120	0
Site Preparation-Acres	0	0	40	0	0	40	0	0	40	0	120	12

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total	Average/ Year
505.6 Timber Stand Improvement- Tot.	N/A											
505.6.1 Release	0	60	0	0	40	0	0	0	80	0	180	18
505.6.2 Thinning- Non-commercial	N/A											
505.6.3 Pruning	N/A											
510 Recreation:												
Parking sites- No.	N/A											
Campsites No.	0	0	0	0	0	0	0	30	0	0	30	3
Walking Trails- Miles	0	3	3	0	0	0	0	0	0	0	6	0.6
710 Roads (Certified Co. Forest)												
Construction- Miles												
Maintenance- Miles	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	55	5.5
720 Recreational Trail Access:	N/A											
725 Non-Motorized Rec Trails:	N/A											
730 Motorized Rec. Trails:												
730.1 Snowmobile- Dev. Mi.	0	3	0	0	3	0	0	3	0	0	9	0.9
Snowmobile - Maint. Mi.												
730.2 All terrain Vehicle - Dev. Mi.	0	0	0	0	0	0	0	0	0	0	0	0
All terrain Vehicle- Maint. Mi.	0	0	0	0	0	0	0	0	0	0	0	0
740 Water Access:	0	0	0	0	0	0	0	0	0	0	0	0
770 Signs: Maintenance	1	1	1	1	1	1	1	1	1	1	10	1
840 Wildlife Management:												
Trail maintenance	12	12	12	12	12	12	12	12	12	12	120	12

Note: For the period of 2015-2020, the statutory planning period requirements were changed from ten, to fifteen years, just prior to adoption of this plan. Computer projections of harvest and needs are currently only able to schedule ten years into the future. Consequently, harvesting and needs projections for the last five years of this plan will be added to the plan after five years or when upgrades to existing technology provide for it. Harvest and needs during the last five years of this plan are not expected to change significantly from the levels depicted for the first ten years of the plan.