

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

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CHAPTER 1000

NEEDS

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1000 OBJECTIVE AND FORMAT

Objectives:

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

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, investments or 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 other interested agencies or individuals qualified to provide such assistance.

1100 DETAILED ANNUAL NEEDS FOR FIFTEEN YEARS

Annual silvicultural needs are identified in the Forest Compartment 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 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 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.

1200 SUMMARY OF FIFTEEN YEAR NEEDS

A schedule giving a summary of silvicultural needs and other needs for the period covered by this plan, appear as an inclusion in this chapter. They include other silvicultural needs, equipment needs, and recreation needs.

Note: The "Needs" schedule is put together for planning purposes. The best available information has been used in developing the schedule. It is not intended to be followed

without modification. Forests are dynamic and managers must be adaptive to change. Funding and staffing shortfalls may also impact the ability of the Iron County Forestry Department to fulfill identified needs. Refer to Chapter 2000 – Annual Work Planning, for reference on progress towards the identified needs in this chapter.

1200.1 Personnel Needs.

Changing conditions and expectations will require some changes in the Iron County Forest and Parks work force during this planning period. Timber sale establishment and administration becomes more complicated each year due to soil and water regulations, accounting and record keeping for both DNR and forest certification. More complicated timber sales require more time in the field and at the office. To produce and administrate the number and acres of timber sales the county expects from its forest, *at least one additional field forester with extensive experience in northern hardwood management will be required.* The additional field forester will need to be capable of collecting new field information to update backlog recon data necessary to manage the county forest in the 21st century.

Geographical Information System importance will grow noticeably in the next decade and a half. The Iron County Forest will need to be able to store, reproduce and query forest data for planning, current management and reporting to certification organizations. *The GIS forester position must be maintained at its current status, with necessary hard and software up-grades as they are needed.* The county will need to come to an understanding with the Forestry Department when units such as Land and Zoning, Deeds, Highway, Health, Emergency Government and the Treasurer recognize the importance and efficiency of GIS technology. At first, these other departments and programs will depend on Forestry's GIS Forester to do small, simple projects; but as time goes on and the departments realize the capabilities of GIS, the county will need to develop its own GIS program in the form of a land office with the possibility of a county surveyor.

The newly formed position of Assistant Forest Administrator (Recreation) should be maintained and augmented with more recreational responsibility and, ultimately, complete recreation program authority.

Recreation will continue to grow in Iron County; especially forest based recreation. Rising fuel costs will have some impact; but after an initial dip in visits, people in the Midwest will

79 realize that traveling to regional (North Central Wisconsin) recreational destinations is most
80 efficient and campers, snowmobilers, ATV'ers, hunters, hikers and skiers will put extreme
81 pressure on our county resources. We must plan to increase the management force needed
82 to maintain our current forest based recreation infrastructure and design and build future
83 structures and developments deemed necessary by the Committee. *Within this planning*
84 *period, one additional recreation field technician position must be created.* This technician
85 must be experienced in field construction and maintenance skills. *Summer seasonal*
86 *recreation help will continue to be required and may grow over the next 15 years.* The
87 public expects better maintenance and facilities that require seasonal attention on an annual
88 basis.

89 Forest certification and the burgeoning complications related to managing a timber
90 production program coupled with an increase in expected forest stand data will pull the Iron
91 County Forestry and Parks Department in two dissimilar and distracting directions. Forest
92 management will require certain significant amounts of time and money while forest
93 recreation will continue to grow and have its significant requirements. Sometime in the
94 next fifteen years, Iron County must consider diversifying these two components and
95 allowing each sub-department or department focus on its own planning, application of
96 strategies and accounting.

97 If the diversification of forest management and recreation does not occur, *the county will*
98 *have to create an additional office manager position.* Grant application and administration
99 as well as recreational fee accounting will become a full time position if it isn't already.

100 The future Forest Administrator will need to be a special person. Grounded in solid lake
101 states forestry experience, the future Forest Administrator must also be a good
102 communicator, understand the political process, finances and planning, and have an
103 understanding of project management. This will be a tough person to find. Foresters in
104 general probably did not choose their career path because they wanted to deal with politics
105 or manage budgets, finances or projects. If forest recreation is still managed in conjunction
106 with forest management, it may be problematic to find a person with the necessary
107 experience in lake states forestry to take on both responsibilities.

Iron County Forest Equipment Needs 2006-2020

Year	Equipment	Cost (Est)
2006	Cat D3 or equiv.	70,000
	Dodge Dakota	17,000
	ArcEditor 9.x	5,000
	Boom Mower	20,000
2007	Plotter	4,000
	Posi-Trac (Bobcat)	12,000
	12M lb 2 Ax Trailer	5,000
2008	Laptop computer (2)	6,000
2009	F150 P/U (2)	20,000
	GPS hand helds (4)	1,500
	Field Equipment	2,000
2010	Radios (7)	25,000
	Tucker	75,000
	Dodge Dakota	17,000
	Air Photos	8,000
2011	GIS Computer	6,000
	ArcEditor Upgrade	3,000
	Copy Machine	5,000
	10' Sno Drag	6,000
	6 Yd Dump Truck	20,000
2012	F150 P/U (2)	23,000
	Laptop computer (2)	6,000
2013	Dodge Dakota	18,000
	Parks Maint Truck	18,000
2014	Office Desktop (2)	6,000
	Replace Oshk Dump	20,000
2015	F150 P/U (2)	25,000
	Truck, Road maint.	10,000
	Field Equipment	2,200
2016	Copy Machine	5,500
	ArcEditor Upgrade	5,000
	Tucker	78,000
2017	Back Hoe	25,000
	10' Sno Drag	6,500
	Plotter	4,500
2018	F150 P/U (2)	25,000
	Road Grader	20,000
2019	ATV	4,500
	Snowmobile	3,000
	Surplus HumV -ForAdm	8,000
2020	F150 P/U (2)	25,000
	Field Equipment	2,200
	Cat D3 or equiv.	70,000
	GPS hand helds (4)	1,500
	Copy Machine	6,000
	Air Photos	8,500

Iron County Forest Roads Needs 2006-2020	
Year	Description
2006	General road maintenance
	Finish Norman Ck Rd re-hab
	Begin Bull Gus Rd. re-hab
2007	General road maintenance
	Finish Bull Gus Rd. re-hab
	Begin Boomer Ck Rd. re-hab
	Crush 20M Yds gravel- Freeberg's/Crawford
2008	General road maintenance
	Finish Boomer Ck. Rd. re-hab
2009	General road maintenance
	re-hab Augustine Rd.
	Crush 20M Yds gravel- Crawford
2010	General road maintenance
	re-hab Game Rd.
2011	General road maintenance
	re-hab Obadash Lk Rd.
	Crush 20M Yds gravel - Norman Ck
2012	General road maintenance
	re-hab Crawford Rd.
2013	General road maintenance
	re-hab Norman Ck. Rd
	Crush 20M Yds Gravel - Stones
2014	General road maintenance
	re-hab Bull Gus Rd.
2015	General road maintenance
	re-hab Boomer Ck. Rd
	Crush 20M Yds Gravel -Shirley Lk
	County Forest Road syst Repair- 10 Yr Storm Damage
2016	General road maintenance
	Rehab Augustine Rd.
2017	General road maintenance
	Rehab Game Rd.
	Crush 20M Yds Gravel - Island Lk
2018	General road maintenance
	re-hab Obadash Lk Rd.
2019	General road maintenance
	re-hab Crawford Rd.
	Crush 20M Yds Gravel -Shirley Lk/Norman Ck.
2020	General road maintenance
	re-hab Norman Ck. Rd

Iron County Forest Other Silvicultural Needs 2006-2020

Year	Discription
2006	2900 acres NH 100 acres Aspen
	Define annual growth increment for NH by habitat typ
	Utilize annual increment to project volumes into future
2007	2900 acres NH 100 acres aspen
	Plan for Emerald Ash Borer invasion
2008	2900 acres NH 100 acres Aspen
	Apply EAB strategies to SH and NH/AW stands
2009	2800 acres NH 200 acres Aspen
	Continue EAB mitigation strategies.
2010	2800 acres NH 200 acres Aspen
	Improve recon data by including size/age class quantification
2011	2700 acres NH 300 acres Aspen
2012	2700 acres NH 300 acres Aspen
2013	2600 acres NH 400 acres Aspen
2014	2600 acres NH 400 acres Aspen
2015	2500 acres NH 500 acres Aspen
	Plan for and expect one wind storm event- salvage
	Birch Hill pine stands will require replaning after harvest
2016	2500 acres NH 500 acres Aspen
2017	2200 acres NH 800 acres Aspen
2018	2000 acres NH, 1000 acres Aspen
2019	2000 acres NH, 1000 acres Aspen
2020	2000 acres NH, 1000 acres Aspen.

		Saw	Pulp				
Year	# of Sales	MBF	Cords	Ac Cut	Tot Cd EQ.	Sales Value	\$/Ac cut
2000	~20	1173.793	20,282	2,000	~22864.334	\$669,813.76	\$334.91
2001	27	630.87	16,717.62	1670	~18105.534	\$447,100.68	\$267.72
2002	26	649.47	17,495.25	1750	~18924.084	\$451,527.42	\$258.02
2003	24	942.89	22,937.87	1704	25012.228	\$773,376.78	\$453.86
2004	28	1405.31	27,654	2240	30746.06	\$1,114,129.20	\$497.38
2005							
2006							
2007							
2008							
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2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							

Iron County Forest Recreation Needs 2006-2020

Year	Description
2006	Initiate Moose Lk to Russell Bros Rd 4-season motor trail Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Construct 4 Season re-route Trail 77... the Montreal Fork Administer Sec 154 grant Saxon Hbr Expansion Upgrade Elec. Service - Saxon Hbr Campground Continue construction of NCNST Wells (2) @ Saxon Hbr. Design and construct boat lift ramp - Saxon Hbr Boat Ramps: Wilson Lk, Weber Lk
2007	Administer Moose Lk to Russell Bros 4 season trail project:4 mi Well # 2 @ Lake of Falls Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Construct 2 Rustic campsites Upson Lk, Shirley Lk. Continue construction of NCNST - trail bridges Administer Moose Lk to Russell Bros 4 season trail project:4 mi
2008	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Design Campground: Upson Lk
2009	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Construct Upson Lk Campground
2010	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Construct 3 place rustic campsite @ Saxon Hbr (East) Finish Construction NCNST to Ashland Co line Reconstruct 2 mi motorized ICF trail to BMP standards Desing 120 Ac ORV intensive use area: Swamp Ck
2011	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Begin construction of 120 Ac ORV intensive use area:Swamp Ck
2012	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Complete 120 Ac ORV intensive use area: Swamp Ck
2013	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Construct 2 rustic campsites: Fisher Lk, Obadash Lk.
2014	Seasonal mgt and maint - ICF Campgrounds/Parks Routine maintenance on ICF Trails Reconstruct 2 mi motorized ICF trail to BMP standards Construct 1 rustic campsite: NCNST (West)

- 2015** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards
Construct Interpretive Center - Saxon Hbr
Update/Rewrite ICF Recreation Plan 2015-2025
- 2016** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards
Construct new bathroom: Lake of Falls
- 2017** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards
Construct 2 rustic campsites: NCNST (Central & East)
- 2018** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards
- 2019** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards
Construct new bathroom: Weber Lake
- 2020** Seasonal mgt and maint - ICF Campgrounds/Parks
Routine maintenance on ICF Trails
Reconstruct 2 mi motorized ICF trail to BMP standards

Iron County Forest Timber Harvest Needs 2006-2020

Year	Description	NH	A	P		NH	A	P
2006	2700 acres NH 100 acres Aspen 200 acres Pine	2700	100	200		2700	100	200
						2700	100	200
2007	2700 acres NH 100 acres Aspen 200 acres Pine	2700	100	200		2700	100	200
						2700	200	100
2008	2700 acres NH 100 acres Aspen 200 acres Pine	2700	100	200		2700	200	100
						2600	300	100
2009	2700 acres NH 200 acres Aspen 100 acres Pine	2700	200	100		2600	300	100
						2500	400	100
2010	2700 acres NH 200 acres Aspen 100 acres Pine	2700	200	100		2500	400	100
						2400	500	100
2011	2600 acres NH 300 acres Aspen 100 acres Pine	2600	300	100		2400	500	100
						2100	800	100
2012	2600 acres NH 300 acres Aspen 100 acres Pine	2600	300	100		2100	800	100
						1900	1000	100
2013	2500 acres NH 400 acres Aspen 100 acres Pine	2500	400	100		1900	1000	100
2014	2500 acres NH 400 acres Aspen 100 acres Pine	2500	400	100				
2015	2400 acres NH 500 acres Aspen 100 acres Pine	2400	500	100				
2016	2400 acres NH 500 acres Aspen 100 acres Pine	2400	500	100				
2017	2100 acres NH 800 acres Aspen 100 acres Pine	2100	800	100				
2018	2100 acres NH 800 acres Aspen 100 acres Pine	2100	800	100				
2019	1900 acres NH, 1000 acres Aspen 100 acres Pine	1900	1000	100				
2020	1900 acres NH, 1000 acres Aspen 100 acres Pine	1900	1000	100				

Harvest Projection

