

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

CHAPTER 2000

**PLANNING, REPORTS, BUDGET**

<b>2000</b>	<b>NEEDS OBJECTIVE AND FORMAT</b> .....	2
<b>2005</b>	<b>DETAILED ANNUAL NEEDS FOR FIFTEEN YEARS</b> .....	2
<b>2010</b>	<b>SUMMARY OF FIFTEEN-YEAR NEEDS</b> .....	3
	2010.1 Long Term Harvest Goals.....	3
	2010.2 Harvest Schedule Summary.....	4
	2010.3 Personnel.....	5
	2010.4 Equipment.....	6
	2010.5 Roads and Trails.....	7
	2010.6 Wildlife and Land.....	8
	2010.7 Forestry Needs.....	9
	2010.8 Surveying .....	9
<b>2015</b>	<b>WORK PLAN OBJECTIVE &amp; POLICY</b> .....	10
<b>2020</b>	<b>ANNUAL WORK PLAN AND BUDGET</b> .....	11
<b>2025</b>	<b>ACCOMPLISHMENT REPORTS OBJECTIVE &amp; POLICY</b> .....	11
<b>2030</b>	<b>ANNUAL ACCOMPLISHMENT REPORTS</b> .....	12
<b>2035</b>	<b>PAST ACCOMPLISHMENTS</b> .....	12
	2035.1 TIMBER SALES .....	13
	2035.1.1 Timber .....	14
	2035.1.2 Non-timber Forest products .....	14
	2035.2 REFORESTATION .....	15
	2035.4 RECREATIONAL DEVELOPMENTS .....	15
	2035.5 WILDLIFE PROJECTS .....	16
<b>2040</b>	<b>MONITORING</b> .....	17
	2040.1 FOREST TYPES .....	18
	2040.2 HARVESTING .....	19
	2040.3 FLORA / FAUNA.....	23
	2040.4 RECREATION.....	25

2040.5	HIGH CONSERVATION VALUE FORESTS.....	25
2040.6	ROADS AND ACCESS .....	25

**2000 NEEDS 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.


**2005 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.

## 2010 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.

### Long Term Harvest Goals

 Long Term Harvest Goals <span style="float: right;">Print Date: 9/10/2020 Report 201</span>			
2700 - JACKSON COUNTY FOREST			
Forest Type	15 Year Total (acres)	15 Year Average (acres)	Forest Type Description
A	5,237	349	ASPEN
BH	33	2	BOTTOMLAND HARDWOODS
FS	161	11	FIR SPRUCE - *OLD CODE, RECODE
MR	1,430	95	RED MAPLE
O	5,601	373	OAK
OX	733	49	SCRUB OAK
PJ	6,510	434	JACK PINE
PR	5,464	364	RED PINE
PW	7,630	509	WHITE PINE
SB	70	5	BLACK SPRUCE
SW	198	13	WHITE SPRUCE
T	891	59	TAMARACK
<b>Total:</b>	<b>33,958</b>	<b>2,263</b>	

\* This report reflects average acreage goals over a 15 year period. The specific acreage goals for each year are presented on the Annual Goals page. The information presented above should not be used for annual target amounts.

# Harvest Schedule Summary



## Harvest Schedule Summary

Print Date: 9/10/2020  
Report 204

### 2700 - JACKSON COUNTY FOREST

Year	Annual Goal (All Forest Types)	Forest Type	15 Year Average
2020	11,299	A	349
2021	2,000	BH	2
2022	2,390	FS	11
2023	1,674	MR	95
2024	1,638	O	373
2025	1,598	OX	49
2026	1,064	PJ	434
2027	3,750	PR	364
2028	1,429	PW	509
2029	1,079	SB	5
2030	1,462	SW	13
2031	850	T	59
2032	1,792	<b>Total :</b>	<b>2,263</b>
2033	754		
2034	1,179		
<b>Total :</b>	<b>33,958</b>		

2010.3 Personnel

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Personnel:															
Employees: Total FTE	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Forestry	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Parks	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Trails	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Office	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

2010.4 Equipment

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Equipment															
Pickup	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dump Truck	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Dozer	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Skid Steer	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Tractor	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Skidder	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Tractor lease	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
Snowmobile/ATV Groomer	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
ATV	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Snowmobile	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0

2010.5 Roads and Trails

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Roads and Trails															
Construction Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance Miles	10.54	10.5	10.5	10.5	10.54	10.5	10.54	10.54	10.5	10.54	10.5	10.5	10.5	10.5	10.5
Nature Trails															
Wazee Miles	9	9	9	9	19	19	19	19	19	19	19	19	19	19	19
East Arbutus Miles	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Snowmobile 320/120															
Maintenance Miles	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
Development Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATV/UTV															
Maintenance Miles	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Development Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2010.6 Wildlife and Land

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Wildlife and land															
Trail Seeding	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Trail Mowing	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Opening Seeding Acres	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Opening Maintenance Acres	20	20	20	20	20	25	25	25	25	25	30	30	30	30	30
Land Acquisition Acres	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Entry of Lands Acres	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100



2010.7 Forest Needs

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Forest Needs															
Reforestation	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Planting Acres	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Site Prep Acres	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Timber Stand Improvement	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Conifer Release Acres	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Thinning- Non Commercial	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

2010.8 Surveying

Jackson County is currently re-monumenting the County section and quarter corners. The surveyors have started on the west side where it is mostly private ownership and are moving easterly. Completion date depends on the funding and personnel available to complete the project.

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 Jackson County Forestry Department to fulfill identified needs. Refer to Chapter 2020 – Annual Work Plan and Budget, for reference on progress towards the identified needs in this chapter.

## **2015 WORK PLAN OBJECTIVE AND POLICY**

### **OBJECTIVE**

To develop an annual work plan and budget that will satisfy the needs specified in Chapter 1000 to the greatest extent feasible, consistent with program priorities established in the Mission Statement.

## POLICY

The County Forest program will sustain a level of operation that considers the needs of the forest and the public in accordance with the goals identified in Chapter 100.

### **2020 ANNUAL WORK PLAN AND BUDGET**

Each year an Annual Work Plan and Budget shall be prepared by the forest administrator with assistance from the Committee and the DNR liaison forester. This plan shall be based upon the detailed annual needs contained in Section 1100 of the Plan. Annual work plans are approved by the County Board and forwarded to the DNR as required by Wisconsin statutes s. 28.11(5)(b) and s.28.11(5m)(b). Following County Board approval, a copy is provided to official copy-holders of the County Forest Comprehensive Land Use Plan for inclusion as an amendment in this chapter.

Annual Work plans and Annual Budgets will be appended to this chapter.

### **2025 ACCOMPLISHMENT REPORTS OBJECTIVE AND POLICY**

#### OBJECTIVE

To provide a quantifiable means of evaluating progress on both short and long term goals on the Jackson County Forest.

#### POLICY

Annual accomplishments will be recorded as a historical record, to assist in future planning, and to provide documentation for both the County, and the County Forest system. This information is invaluable in addressing public, County Board, and other legislative inquiries on the operation of the Forest as well as assessing progress on goals.

## **2030 ANNUAL ACCOMPLISHMENT REPORTS**

A copy of an annual accomplishment report shall be prepared and provided to members of the County Board and to official copyholders of this Plan for inclusion into this chapter.

This report shall include, at a minimum, the following:

1. Timber sale accomplishments including gross and net sale receipts and harvest goals achieved.
2. Timber stand improvements accomplishments.
3. Recreation development and maintenance accomplishments including recreation revenues and expenses.
4. Wildlife management accomplishments including revenues and expenses.
5. Fisheries management accomplishments including revenues and expenses.
6. Other accomplishments identified as “needs” in Chapter 1000.

## **2035 PAST ACCOMPLISHMENTS**

### **2035.1 FOREST PRODUCTS**

2035.1.1 Timber

**Jackson County Forest Timber Sales**

Year	# of Sales	Sawtimber	Pulpwood	Acres Cut	Total Cord Equivalents	Sale Value
		MBF	Cords			
1996		252	33,423	2089		\$ 452,918.00
1997		158	26,350	1547		\$ 306,106.00
1998	16	500	10,422	592	11,586	\$ 194,042.00
1999	29	741	22,497	1341	24,240	\$ 478,838.00
2000	48	1241	38,612	2457	40,719	\$ 864,707.00
2001	31	426	25,647	1426	26,619	\$ 544,014.00
2002	29	436	26,377	1649	27,354	\$ 810,148.00
2003	55	963	48,317	2961	51,223	\$ 1,421,093.00
2004	66	1076	52,305	3312	54,721	\$ 1,496,208.00
2005	44	1235	35,870	2242	38,610	\$ 1,088,223.00
2006	23	519	19,539	1272	20,718	\$ 699,096.00
2007	37	716	33,214	2299	34,835	\$ 1,201,039.00
2008	40	1613	30,234	1900	34,153	\$ 1,213,726.00
2009	40	1324	38,209	2295	42,809	\$ 1,524,381.00
2010	30	784	26,647	1461	28,542	\$ 1,070,156.00
2011	32	908	27,968	1632	30,204	\$ 1,202,681.00
2012	32	1042	30,320	1527	32,817	\$ 1,157,485.00
2013	33	1202	31,127	1512	33,890	\$ 1,089,820.00
2014	41	1330	39,604	2437	42,640	\$ 1,606,505.00
2015	37	4016	27,213	1840	29,628	\$ 1,300,877.00
2016	32	322	16,611	929	17,351	\$ 815,364.00
2017	36	1624	26,119	1873	29,843	\$ 1,514,954.00
2018	19	918	12,862	695	15,008	\$ 654,877.00
2019	33	1305	28,582	1737	32,296	\$ 1,568,262.00

2035.1.2 Non-timber forest products

Year	Moss Revenue	Gravel	Lease/Agreement
1996	\$ 14,208.00	\$ 52,852.00	\$ 3,163.00
1997	\$ 9,061.00	\$ 94,286.00	\$ 1,300.00
1998	\$ 16,260.00	\$ 42,964.00	\$ 12,841.00
1999	\$ 7,300.00	\$ 10,088.00	\$ 11,803.91
2000	\$ 18,553.00	\$ 32,732.00	\$ 9,358.91
2001	\$ 6,469.00	\$ 5,263.00	\$ 8,258.91
2002	\$ 18,637.00	\$ 11,575.00	\$ 822.00
2003	\$ 12,640.00	\$ 24,737.78	\$ 9,842.24
2004	\$ 20,695.00	\$ 43,107.89	\$ 7,759.91
2005	\$ 12,758.00	\$ 65,277.00	\$ 19,745.00
2006	\$ 13,299.00	\$ 92,009.00	\$ 15,769.00
2007	\$ 18,030.00	\$ 58,106.00	\$ 16,144.00
2008	\$ 9,774.00	\$ 40,749.00	\$ 33,991.00
2009	\$ 13,082.00	\$ 125,585.00	\$ 33,054.00
2010	\$ 15,723.00	\$ 145,515.00	\$ 33,112.00
2011	\$ 24,750.00	\$ 255,213.00	\$ 33,799.00
2012	\$ 23,390.00	\$ 143,298.00	\$ 33,427.00
2013	\$ 24,497.00	\$ 59,649.00	\$ 39,427.00
2014	\$ 15,189.00	\$ 62,538.00	\$ 44,811.00
2015	\$ 18,131.00	\$ 52,656.00	\$ 39,953.00
2016	\$ 12,464.00	\$ 57,617.00	\$ 36,773.00
2017	\$ 15,384.00	\$ 57,734.00	\$ 37,697.00
2018	\$ 9,899.00	\$ 23,554.00	\$ 39,748.00
2019	\$ 2,700.00	\$ 67,885.00	\$ 25,262.00

2035.2 REFORESTATION

1996	175,800							
1997	0							
1998	85,000							
1999	46,000							
2000	185,000	227						
2001	159,900	274						
2002	242,000	134						
2003	155,000	74						
2004	135,000	75	85					
	Seedlings Planted				Site Prep In Acres			
	Jack Pine	Red Pine	PJ Direct	Acres	Roller Chopper	Brachie	Power Trench	Root Rake
2005	110000			83	48	70		
2006	157000	101000 & 23,000 Tamarack				56		30
2007		48000		40		103	79	44
2008	101000	77000		182		27		20
2009	107000			105		111	97	65
2010	176500	21200		208		38		
2011	73500			84				
2012							123	
2013	104000	139000		254			126	
2014		196000		226				
2015		85000						
2016	23500							
2017	78000							
2018	34000							
2019							30	

2035.4 RECREATIONAL DEVELOPMENTS

2005-30 new sites East Arbutus, 1000 feet shoreline stabilization West Arbutus, 2 dive plat forms Wazee and additional parking at Wazee.

2006-new shower and 1.5 miles of new trails East Arbutus, 1 dive plat form and trail signage Wazee.

2007-30 new electric upgrades East Arbutus, boat launch improvements East and West Arbutus, added parking, new dive access Wazee.

2008-trail improvement and flush toilet building East Arbutus, two new dive access at Wazee, 911 system added to ATV trails.

2009-extended boat launch East and West Arbutus, new toilet vault East Arbutus, new 9 hole disk golf Wazee.

2010-new shower house and electric up grades East Arbutus. Created access road and boat landing for un-named flowage east of Mckenna Road.

2011-new contact building and electrical up grade West Arbutus, on line reservation East and West Arbutus.

2012-upgraded electrical on 41 sites, added additional electric to 20 sites, 500 feet of riprap, 30 tree planted East Arbutus.

2013-Gypsy Moth treated East Arbutus

2014-new shower roof East Arbutus, new entrance sign Wazee, 10 acres of Phragmites treatment, first annual Pace and Pedal Wazee.

2015-360 acre prescribe burn and 10 acres of Phragmites sprayed and burned.

2016-clean up storm damage at Wazee.

2017- new playground installation at Wazee.

2018-dredging East Arbutus. Improved access to and installed boat dock for Indian Creek Flowage.

2019-section of dock installation West Arbutus, new concession building Wazee.

Motorized trails in Jackson County Forest includes 120 miles of snowmobile and 68 miles of ATV/UTV. These trails have been maintained when needed and when funding is available. The milage has not changed significantly in the last 15 years. The ATV/UTV trail has a master plan that describes in detail the trail system and prioritizes sections of the trail that need improvement.

#### 2035.5 WILDLIFE PROJECTS

2005- 8 new acres seeded to a wildlife mix.

2006- 8 new acres seeded to a wildlife mix

2011- 6 new acres seeded to a wildlife mix. Improvement made on road to Indian Creek landing.

2012- Created age structure in large block of aspen to improve grouse habitat.

2013- 7 new acres seeded to a wildlife mix. Assigned road numbers to permanent County Forest non-tax roads.

2014- 26 elk released on State Forest adjacent to the County Forest.

2015- 3 new acres seeded to a wildlife mix and 13 miles of trail mowing.

2017- 25 new acres seeded to a wildlife mix.

2018- 25 new acres seeded to a wildlife mix.



2019- 20 new acres seeded to a wildlife mix and 50 acres of older opening improved.

Listed above are just the new wildlife projects, annually we maintain are established openings and trails. Maintenance would include mowing, fertilizing, reseeding openings and trails as needed.

## **2040 MONITORING**

### **2040.1 FOREST TYPES**

## Jackson County Forest Composition

Forest Type	Original Acres	Original %	1995 Acres	1995%	2005 Acres	2005%	Present Proposed Acres	Proposed %	Future Proposed Acres	Proposed %
Aspen	30,891	36.28	22,805	22.07%	26,689	22.38%	26307	27.13	26197	27.00%
Bottld. Hdwd	53	0.06	28	0.03%	73	0.06%	53	0.05	53	5.00%
W. Birch	565	0.66	458	0.44%	63	0.05%	27	0.03	27	3.00%
Cedar										
Fir-Spruce	581	0.68	697	0.67%	842	0.71%	168	0.17	168	17.00%
Red Maple	0		40	0.04%	4,887	4.10%	10818	11.15	11237	11.58%
Oak	19089	22.24	30,688	29.70%	26,429	22.16%	17241	17.78	15493	15.97%
Scrub Oak	4738	5.56	1,341	1.30%	868	0.73%	1364	1.41	1362	1.40%
Jack Pine	19781	23.23	12,255	11.86%	16,967	14.22%	15226	15.7	15160	15.62%
Red Pine	10251	12.04	5,646	5.47%	6,768	5.67%	8012	8.26	7563	7.79%
White Pine	0	0	5,819	5.63%	7,679	6.44%	12769	13.17	14784	15.23%
B. Spruce	0	0					101	0.1	101	10.00%
White Spruce	0	0					12769	13.17	14784	15.23%
Sw. Hdwd	205	0.24	2,694	2.61%			0	4.8	0	4.78%
Tamarak	996	1.17	899	0.87%	2726	2.29%	4655		4655	
Total Forested	85150						96978		97037	
Upl. Grass	0		16	0.02	7	0.01	21		0	
Herb. Veg.	202		46	0.08	51	0.04	40		2291	
Lob Shrub	1568				55	0.05	2291		0	
Marsh	15605						0		18365	
Low Grass	0						18365		920	
Minor Lake	0						20		81	
Minor Stream	0						81		1	
Motorized Vehicle Tr.	0						3		74	
Muskeg-Bog	0						955		2	
Parking Area	0						2		462	
Recreation	0						462		97	
Right of Way	0						97		1	
Rock Outcrop	0						1		0	
Sedge Meadow	0						148		1093	
True Grass	18						1114		27	
Upland Brush	6						27		77	
Upland Grass	808						77		0	
Upland Shrub	0						20		426	
Water	0						474		0	
Wetland Shrub Alder	0						3			
Total							25125		23963	

Jackson County Forest is moving to longer lived species such as white pine and red maple and will have less early successional species like aspen and jack pine. The oak is also naturally converting to white pine and red maple. This is due in large part to the control of wild fires that in the past favored oak. Where there is opportunity Jackson County will promote the oak, aspen and jack pine timber types to-maintain-diversity in the forest.

2040.2 HARVESTING

Timber Sale Monitoring 2006-2019

Actual Sale Activity in Acres Compared to Needs in Plan

**Jackson County Forest**

**Aspen (Acres)**

<b>Year</b>	<b>Need From 2006-2020 PLAN</b>	<b>Established</b>
2006	349	37
2007	349	4
2008	349	64
2009	349	6
2010	349	79
2011	349	90
2012	349	87
2013	349	158
2014	349	28
2015	349	23
2016	349	71
2017	349	6
2018	349	168
2019	349	35
<b>Totals (14 years)</b>	<b>4,886</b>	<b>856</b>
<b>Annual Average</b>	<b>349</b>	<b>61</b>

**Jackson County Forest**

**White Pine (Acres)**

<b>Year</b>	<b>Need From 2006-2020 PLAN</b>	<b>Established</b>
2006	509	55
2007	509	258
2008	509	152
2009	509	91
2010	509	239
2011	509	333
2012	509	242
2013	509	293
2014	509	46
2015	509	263
2016	509	222
2017	509	117
2018	509	275
2019	509	186
<b>Totals (14 years)</b>	<b>7,126</b>	<b>2,772</b>
<b>Annual Average</b>	<b>509</b>	<b>198</b>

**Jackson County Forest**

**Jack Pine (Acres)**

<b>Year</b>	<b>Need From 2006-2020 PLAN</b>	<b>Established</b>
2006	434	98
2007	434	181
2008	434	239
2009	434	322
2010	434	231
2011	434	201
2012	434	349
2013	434	121
2014	434	235
2015	434	6
2016	434	204
2017	434	46
2018	434	181
2019	434	456
<b>Totals (14 years)</b>	<b>6,076</b>	<b>2,870</b>
<b>Annual Average</b>	<b>434</b>	<b>205</b>

Jackson County Forest

Oak (Acres)

Year	Need From 2006-2020 PLAN	Established
2006	422	633
2007	422	790
2008	422	1142
2009	422	1101
2010	422	989
2011	422	767
2012	422	1068
2013	422	613
2014	422	509
2015	422	622
2016	422	410
2017	422	422
2018	422	359
2019	422	418
<b>Totals (14 years)</b>	<b>5,908</b>	<b>9,843</b>
<b>Annual Average</b>	<b>422</b>	<b>703</b>

Jackson County Forest

Red Pine (Acres)

Year	Need From 2006-2020 PLAN	Established
2006	364	401
2007	364	495
2008	364	197
2009	364	233
2010	364	143
2011	364	225
2012	364	391
2013	364	829
2014	364	567
2015	364	615
2016	364	998
2017	364	468
2018	364	513
2019	364	795
<b>Totals (14 years)</b>	<b>5,096</b>	<b>6,870</b>
<b>Annual Average</b>	<b>364</b>	<b>491</b>

**Jackson County Forest**  
**All Other Species (Acres)**

<b>Year</b>	<b>Need From 2006-2020 PLAN</b>	<b>Established</b>
2006	185	273
2007	185	280
2008	185	138
2009	185	15
2010	185	94
2011	185	37
2012	185	0
2013	185	114
2014	185	16
2015	185	22
2016	185	45
2017	185	51
2018	185	14
2019	185	1
<b>Totals (14 years)</b>	<b>2,590</b>	<b>1,100</b>
<b>Annual Average</b>	<b>185</b>	<b>79</b>

\*All other species include: Bottom land Hardwoods, White Birch, Spruce, Tamarack and Red Maple

**Jackson County Forest**  
**All Sales (Acres)**

<b>Year</b>	<b>Need From 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>
2006	2267	146	1599
2007	2267	2008	1863
2008	2267	1932	1657
2009	2267	1768	1996
2010	2267	1775	1659
2011	2267	1653	1682
2012	2267	2072	2064
2013	2267	2128	2068
2014	2267	1401	1313
2015	2267	1551	1607
2016	2267	1950	1966
2017	2267	1110	954
2018	2267	1510	1474

2019	2263	1891	1277
<b>Totals (14 years)</b>	<b>31,682</b>	<b>24,209</b>	<b>23,179</b>
<b>Annual Average</b>	<b>2,263</b>	<b>1,729</b>	<b>1,657</b>

During the last planning period of 2006-2019 Jackson County averaged 23.5% under goal for Established acres (1729 acres) compared to the need (2,263 acres) based on the plan. The County was short of the goal primarily in the Aspen, White Pine and Jack Pine timber types while ahead of the goal in the Oak type.

Established aspen acres averaged 288 acres short of the 349-acre goal. This is due to the younger age class structure of the aspen stands on the forest. Most of the aspen acres are less than 40 years old and not merchantable. There are approximately 4,000 acres of 1977 fire origin aspen stands that are now of merchantable size and age that the County is currently establishing sales in. If markets exist, the established aspen acres should be closer to goal for this planning period.

Established white pine and jack pine acres averaged 540 acres short of the 943-acre goal. For both timber types a majority of the stands scheduled require frozen ground conditions for access or harvest operability. As winter sales are more difficult to sell, the County will most likely continue to be short of the acreage goal for these timber types in this planning period.

Established oak and scrub oak acres averaged 281 acres above the 422-acre goal. There were more than 18,000 acres of backlogged oak scheduled for harvest at the start of the last planning period. During the last planning period the County has reduced the oak backlog to just over 3,000 acres. Oak acres will continue to be established above the goal for this planning period until the backlogged acres are harvested.

### 2040.3 FLORA / FAUNA

In the last planning period, Jackson County just started using annual aerial flights to detect oak wilt on the County Forest. The Forest had a backlog of oak and it was put as high priority to harvest this oak. Currently the backlog is minimum and does not justify the use of flights for oak wilt detection. The stands that are left have difficult access or a sliver of stand left over from a past practice.

In the early years of the last plan Glossy buckthorn was starting to show up. Currently the County is spending considerable time and resources trying to keep this invasive in check. There are areas of the forest where buckthorn will be addressed when the stand

is regenerated. In other areas, we are spot treating to slow the spread of this invasive plant.

There are other invasive plants the County has identified and treated including spotted knap weed, Eurasian milfoil, phragmites and garlic mustard. Invasive plant control will be a major problem in the foreseeable future.

It has been only recently that the browse damage from deer has been extensive enough that it is likely affecting regeneration of some stands in the Jackson County Forest. We will continue to monitor the effect of deer browse on stand regeneration.

The County has worked on spreading out the age distribution of our aspen. When aspen is found in large blocks of all the same age a goal has been to cut one third of the stand early and then waiting 10 to 15 years to cut another block and so on. This creates age class and structural distribution that is critical for grouse habitat.

With the recent elk reintroduction in Jackson County a focus has been on improving habitat that they use. This is the continuation of harvesting mature timber in a shifting mosaic that creates a patch work of temporary openings. The County is also working on fewer wildlife opening but larger in size. Larger openings are preferred by elk and are more efficient to maintain.

The County has purchased additional land that has been added to the County Forest to act as a refuge for the elk. This may continue into the future based on the need and availability of funding for the projects.

The recent increase in the beaver population is an adverse impact on the forest near streams and creeks. This is also causing problems with flooded access roads and plugged culverts. These problems are anticipated to continue until the fur prices increase to a level where it is economical to harvest beavers again.



#### 2040.4 RECREATIONAL USE

Since the last plan the ATV/UTV usage has exploded on the County Forest and has put a strain on the trail system. The trails require weekly grooming and annual rehab to protect our sandy soils and prevent rutting on the clay soils. The placement of gravel is necessary in order to keep the trails open. The Jackson County Forestry and Parks Committee has looked at a number of requests to expand motorize trails and has concluded that there are currently enough trails. The Committee is in favor of maintaining the trail system in a sustainable way to provide users with an enjoyable experience while protecting the forest resources.

The Forestry and Parks Committee has supported non-motorize activities that include hiking trails, cross country ski trails, canoe/kayak access and wildlife viewing areas. Currently the County is developing a master plan for the Wazee recreation area that will provide guidance on future development for that area.

#### 2040.5 HIGH CONSERVATION VALUE FOREST AREAS

The High Conservation Value Forest (HCVF) areas in Jackson County Forest are also designated as State Natural Areas. They were designated as HCVF because of unique features they represent such as ponds, large marsh, barrens and etc. Having these features there will be little management done in these areas and with very little change to their composition. Jackson County relies on the local ecologist for updates on any changes to the HCVF areas. The local ecologist is also consulted if management is being considered on HCVF areas.

#### 2040.6 ROADS & ACCESS

Primary roads for access to the County Forest were constructed prior to 1995. No new primary roads were planned or built during the last fifteen years. No additional primary forest roads are planned to be constructed unless an unforeseen need develops or if a township abandons a current road that provides access to the County Forest.

New large block additions to the County Forest will remain non-motorized as much as possible to meet the growing demand for silent sports.

Jackson County is working on a forest road plan to identify the main trails that are used for access. These trails will be inventoried, GPSed and reviewed to determine current conditions and future needs. This information will be updated when work is performed on the trails.