

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

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CHAPTER 3000

ACCOMPLISHMENTS & MONITORING

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3000 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.

3100 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.

3200 PAST ACCOMPLISHMENTS

3210 FOREST PRODUCTS

CHART 3210.1 TIMBER SALES
JACKSON County Forest PULPWOOD & BOLTWOOD Harvests – 1996-2004
(cords)

	ASPEN	MIXED HDWD	OAK (all)	RED PINE	JACK PINE	WHITE PINE	SPRUCE (all)	WHITE BIRCH	OTHER (Tam.)	<u>TOTAL VOLUME (cords)</u>
1996	6,859	5,802	5,799	752	13,947	121	0	110	33	33,423
1997	8,087	5,037	7,482	365	4,699	680	0	0	0	26,350
1998	2,716	1,265	5,451	352	516	108	21	0	0	10,429
1999	5,870	4,119	10,927	422	1,126	98	0	0	29	22,591
2000	9,273	8,741	12,700	2,930	3,719	1,206	0	0	39	38,608
2001	8,026	5,723	7,546	217	2,945	845	340	0	0	25,642
2002	4,449	4,552	7,583	3,209	4,846	1,735	0	0	0	26,374
2003	10,668	9,677	14,889	3,358	9,002	1,408	0	30	0	49,032
2004	8,674	9,131	20,267	8,183	3,944	2,039	0	0	76	52,314
AVE.	7,181	6,005	10,294	2,198	4,971	915	40	16	20	31,640

DNR Timber Sale Reports – 32A and 36A

JACKSON County Forest average annual pulpwood / boltwood harvest 1996-2004 = 31,640 cords

JACKSON County Forest SAWTIMBER Harvests – 1996-2004

(MBF – thousand board feet)

YEAR	MIXED HDWD.	RED OAK	OTHER OAK	OTHER MAPLE	RED PINE	WHITE PINE	TOTAL VOL. (MBF)
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1996	0	0	112	2	67	71	252
1997	0	6	149	0	3	0	158
1998	0	0	276	1	121	101	499
1999	43	148	461	28	21	38	739
2000	19	0	622	8	99	177	925
2001	12	0	363	1	16	42	434
2002	16	0	335	4	40	40	435
2003	0	38	626	17	141	140	962
2004	1	0	915	2	7	150	1,075
Ave.	10	21	429	7	57	84	608

DNR Timber Sale Report 32A

JACKSON County Forest average annual sawtimber harvest 1996-2004 = 608 MBF (1000bd. Ft.)

JACKSON County Forest ANNUAL ACREAGE HARVEST & GROSS RECEIPTS – 1996-2004

YEAR	TOTAL ACRES	TOTAL GROSS RECEIPTS (PULPWOOD, BOLTS, & SAWTIMBER)
1996	2,089	\$452,917.95
1997	1,547	\$306,105.94
1998	592	\$194,042.53
1999	1,341	\$478,837.64
2000	2,457	\$864,706.65
2001	1,426	\$544,014.02
2002	1,649	\$810,147.93
2003	2,961	\$1,421,093.19
2004	3,312	\$1,496,208.38
Ave.	1,930	\$729,786.03

DNR Timber Sale Report 32A

JACKSON County Forest average annual acreage harvest 1996-2004 = 1,930 acres

JACKSON County Forest average annual gross receipts 1996-2004 = \$729,786.03

3210.2 Non-timber forest products

JACKSON COUNTY NON TIMBER FOREST REVENUE

Year	Moss Revenue	Gravel	Leases/ Agreements	Camping/ Dive & Day Use Fees	Projects - ATV/Sno/ Parks	Trails - Maint/Passes	Misc.	Forest
1996	\$ 14,208.00	\$ 52,852.00	\$ 3,163.00	\$ 138,649.00	\$ 274,381.00	\$ 34,294.00	\$ 1,156.00	
1997	\$ 9,061.00	\$ 94,286.00	\$ 1,300.00	\$ 174,877.00	\$ 79,153.00	\$ 23,448.00	\$ 18,936.00	

1998	\$ 16,260.00	\$ 42,964.00	\$ 12,841.00	\$ 201,478.00	\$ 136,110.00	\$ 80,113.00	\$ 926.00
1999	\$ 7,300.00	\$ 10,088.00	\$ 11,803.91	\$ 216,888.00	\$ 297,674.00	\$ 94,210.00	\$ 11,368.00
2000	\$ 18,553.00	\$ 32,732.00	\$ 9,358.91	\$ 252,731.00	\$ 7,600.00	\$ 102,345.00	\$ 5,562.00
2001	\$ 6,469.00	\$ 5,263.00	\$ 8,258.91	\$ 246,165.00	\$ 130,163.00	\$ 132,772.00	\$ 3,915.00
2002	\$ 18,637.00	\$ 11,575.00	\$ 8,200.00	\$ 300,396.00	\$ 153,434.00	\$ 102,389.00	\$ 11,223.00
2003	\$ 12,640.00	\$ 24,737.78	\$ 9,842.24	\$ 303,726.00	\$ 195,877.00	\$ 37,404.00	\$ 14,308.00
2004	\$ 20,695.00	\$ 43,107.89	\$ 7,758.91	\$ 266,876.00	\$ 102,361.00	\$ 16,949.00	\$ 20,810.00

3220 REFORESTATION

YEAR	SEEDLINGS PLANTED	CULTURAL ACTIVITY ACRES -Site Prep, Scarifying, Spraying	DIRECT SEEDING
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	55

3230 RECREATIONAL AND WILDLIFE ACCOMPLISHMENTS

The recreational and wildlife accomplishment from 1996 to 2004 are summarized in the annual accomplishment reports by year.

3300 MONITORING

*(*This section is a work in progress and will not be fully completed in time for the Plan development process. Amendments will be needed after Plan approval to complete this section.)*

3310 FOREST TYPES

JACKSON COUNTY FOREST COMPOSITION

Forest Type	1995 Acres	1995%	2005 Acres	2005%
Aspen	22,805	22.07%	26,689	22.38%
Aspen - off site	1,023	0.99%	180	0.15%
Bottomland Hardwood	28	0.03%	73	0.06%
White Birch	458	0.44%	63	0.05%
Fir-Spruce	697	0.67%	842	0.71%
Red Maple	40	0.04%	4,887	4.10%
Oak	30,688	29.70%	26,429	22.16%
Scrub Oak	1,341	1.30%	868	0.73%
Jack Pine	12,255	11.86%	16,967	14.22%
Red Pine	5,646	5.47%	6,768	5.67%
White Pine	5,819	5.63%	7,679	6.44%
Swamp Hardwood	2,694	2.61%		
Noncomm Spruce			31	0.03%
Noncomm Tamarack			1,204	1.01%
Tamarack	899	0.87%	2,726	2.29%
Total	84,393	81.68%	95,406	80.00%
Forested				
Farm Land	16	0.02%	7	0.01%
Upland Grass	62	0.06%		
True Grasses	458	0.44%	1,176	0.99%
Herb Vegetation	79	0.08%	51	0.04%
Industrial Area	17	0.02%	38	0.03%
Parking Area	9	0.01%	8	0.00%

Muskeg Bog		83	0.08%	103	0.09%
Emergent Veg		19	0.00%	64	0.05%
Mpmcp,, Grass		14,459	14.00%	18,895	15.84%
Water		46	0.04%	429	0.36%
Lowland Brush				55	0.05%
Alder		1,469	1.42%	1,953	1.64%
Bog Birch		25	0.02%	60	0.05%
Minor Lake		1,218	1.18%	905	0.76%
Minor Stream		58	0.06%	84	0.07%
Right of Way		897	0.87%	18	0.02%
Upland Brush				15	0.01%
Rock Outcrops		2	0.00%	10	0.01%
Total	Non-forest	18,917	18.30%	23,871	20.02%
Total	Property	103,310	100%	119,277	100%

3320 HARVESTING

TIMBER SALE MONITORING - Actual sale activity in Acres compared to Needs in 1996-05 Plan JACKSON COUNTY FOREST

YEAR	ASPEN			
	Need (from 96-05 Plan)	Estab	Sold	Closed
1996	3280	332	372	875
1997	540	496	91	624
1998	660	599	949	106
1999	520	509	428	329
2000	670	637	773	997
2001	470	788	788	658
2002	500	396	396	299
2003	580	289	178	806
2004	430	342	449	711
Total (9 Yrs)	7650	4388	4424	5405
Annual Average	850	488	492	601

YEAR	OAK			
	Need (from 96-05 Plan)	Estab	Sold	Closed
1996	570	440	603	606
1997	460	371	344	560
1998	490	58	323	359
1999	530	505	46	691
2000	480	326	720	576
2001	1060	510	510	458
2002	500	768	768	257
2003	650	1181	172	647
2004	600	595	1199	1015
Total (9 Yrs)	5340	4754	4685	5169
Annual Average	593	528	521	574

YEAR	JACK PINE			
	Need (from 96-05 Plan)	Estab	Sold	Closed

YEAR	RED PINE			
	Need (from 96-05 Plan)	Estab	Sold	Closed

1996	230	72	72	1301
1997	240	17	204	252
1998	300	111	111	
1999	250	669	460	22
2000	230	85	294	120
2001	240	50	50	50
2002	830	121	177	326
2003	1100	210	56	630
2004	120	343	453	172
Total (9 Yrs)	3540	1678	1877	2873
Annual Average	393	186	209	319

1996	460	68	230	176
1997	150	217	204	48
1998	160	78	121	43
1999	530	223	171	106
2000	390	254	306	356
2001		275	270	14
2002	330	690	695	385
2003	700	578	211	560
2004	200	411	778	999
Total (9 Yrs)	2920	2794	2986	2687
Annual Average	324	310	332	299

WHITE PINE				
YEAR	Need (from 96-05 Plan)	Estab	Sold	Closed
1996	2050	5		37
1997	50	225	91	76
1998	40	22	142	8
1999		61	78	14
2000	820	183	185	210
2001	30	219	175	11
2002	20	10	54	245
2003	10	68	68	125
2004	20	35		110
Total (9 Yrs)	3040	828	793	836
Annual Average	338	92	88	93

MIXED HARDWOOD				
YEAR	Need (from 96-05 Plan)	Estab	Sold	Closed
1996	380			109
1997	60	23		
1998	60	70	93	
1999		147		23
2000		60	207	217
2001		15	15	
2002		49	49	60
2003		46	46	49
2004		178	178	15
Total (9 Yrs)	500	588	588	473
Annual Average	56	65	65	53

ALL SALES				
YEAR	Need (from 96-05 Plan)	Estab	Sold	Closed
1996	6970	917	1277	3104
1997	1500	1349	934	1560
1998	1710	938	1739	516
1999	1830	2114	1183	1185
2000	2590	1545	2485	2476

2001	1800	1857	1808	1191
2002	2180	2034	2139	1572
2003	3040	2372	731	2817
2004	1370	1904	3057	3022
Total (9 Yrs)	22990	15353	15353	17443
Annual Average	2554	1670	1706	1938

3330 FLORA / FAUNA

This section is still in development.

Wildlife surveys (bear transects, grouse drumming surveys, track surveys, deer registration, etc.) are well documented however would likely not impact the management of habitat on a specific county forest. These surveys, available from your local DNR Wildlife Biologist, could be included here although they would be optional.

3340 RECREATIONAL USE

This section is still in development.

3350 HIGH CONSERVATION VALUE FOREST AREAS

The DNR endangered resource staff have identified a number of HCVA in the County Forest during the 2005 planning process. When these areas become designated as state natural areas there will be possible funding opportunities to do baseline inventory.

3360 ROADS & ACCESS

County Forest Roads are expected to stay the same unless an unforeseen need develops in the future or if a township abandons a current road that provides access to the County Forest.

