

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

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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 Oneida 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.
7. Reforestation Accomplishments.

3200 PAST ACCOMPLISHMENTS

This summary of the Forest activities provides a running history of accomplishments by activity. It provides a quick and accessible reference for accomplishments on the County Forest.

Examples of activities to track include timber sales, reforestation, timber stand improvement, recreational developments and wildlife habitat accomplishments.

3210 FOREST PRODUCTS

3210.1 Timber

Oneida County Forest Timber Sales History Based on DNR Fiscal Year (July1 – June 30) Timber Sale Closeouts

Year	# of Sales	Sawtimber	Pulpwood	Acres cut	Total	Sales value
		MBF	Cords		Cord Equivalents	
1996	9	13	13,724	767	13,752	\$167,128.19
1997	10	50	8,458	547	8,571	\$132,234.71
1998	20	386	31,265	1,836	32,181	\$739,964.51
1999	13	166	22,646	1,509	23,014	\$455,326.60
2000	9	8	6,877	493	6,895	\$140,571.61
2001	8	123	5,327	434	5,604	\$110,105.42
2002	18	220	16,571	1,158	17,073	\$388,662.27
2003	7	66	8,268	609	8,413	\$173,618.29
2004	10	187	11,620	761	12,037	\$253,231.70
Total	104	1219	124,756	8,114	127,540	\$2,560,843.30
9 Yr Ave	12	135	13862	902	14,171	\$284,538.14

3210.2 Non-Timber Forest Products

Oneida County has not had non-timber forest product sales prior to 2004. Starting in 2004, Oneida County began selling balsam bough permits. In 2004, four permits were issued for a grand total of \$40.00.

3220 TREE PLANTING

Year	New Planting		Re- Planting		Scarification Acres for Regeneration
	Acres	# Trees	Acres	# Trees	
1996	0	0	0	0	0
1997	60	60000	0	0	0
1998	5	500	2	2000	10
1999	61	50000	25	11000	0
2000	0	0	0	0	21
2001	0	0	0	0	48
2002	5	200	0	0	0
2003	0	0	0	0	0
2004	0	0	0	0	0
Total	131	110700	27	13000	79
Ave/Yr	15	12300	3	1444	9

3230 TIMBER STAND IMPROVEMENT

Treatment Acres			
Year	Release*	Site Prep**	I/D***
1996	0	60	0
1997	86	0	0
1998	5	61	0
1999	5	0	0
2000	0	0	0
2001	0	0	1
2002	0	0	0
2003	0	0	83
2004	0	0	50
Total	96	121	134
Ave/Yr	11	13	15

*Release was a combination hand release and chemical release.

**Site Prep was a combination of mechanical and chemical site preparation.

***I/D Insect and Disease Treatments:

2001 Hand Spraying of Red-Headed Pine Sawfly.

2003-04 Removal of Oak killed by Two-Lined Chestnut Borer

3240 RECREATIONAL DEVELOPMENTS

Year	Snowmobile Trail Miles Added	ATV Trail Miles Added	Ski Trail Miles Added	Mtn Bike Trail Miles Added	Snowshoe Trail Miles Added	New Changing Room/Toilets	New Camp Sites
1996	0	0	0	0	0	0	0
1997	13	-20	0	0	0	0	0
1998	0	10	0	8	0	0	0
1999	15	0	0	0	0	0	0
2000	0	-10	0	0	0	0	0
2001	0	-10	0	0	2	1	0
2002	26	0	0	0	0	1	0
2003	0	0	0	0	0	0	0
2004	0	10	0	0	0	0	0
Total	54	-20	0	8	2	2	0
Ave/Yr	6	-2	0	1	0	0	0

Note: ATV trail mileage was 50 in 1996. Due to the sale of a large block of industrial land in 1997-2001 several ATV trails were cut off, thus the reduction of mileage. In 2004 the 10 mile Enterprise Trail was established. Prior to 2004 all ATV trail development occurred on the Little Rice Trail System.

3250 WILDLIFE PROJECTS

Year	Miles Trail Seeding	Walking Only Gates Installed	Waterfowl Flowage Dam Reconstruct	Waterfowl Nesting Area Development	Land Purchase Acres
1996	0	0	0	0	0
1997	1	0	1	0	0
1998	0	3	0	1	0
1999	0	0	0	0	0
2000	0	0	0	0	0
2001	1	0	0	0	0
2002	0	5	0	0	40
2003	1	0	0	0	0
2004	0	10	0	0	80
Total	3	18	1	1	120

2002 Land Purchases: 40 acre parcel and 80 acre parcel in Town of Enterprise purchased using \$0.10/acre DNR Wildlife funds to finance part of the purchase.

3300 MONITORING

3310 FOREST TYPES

Forest Type	Original Acres (1977)	Original % (1977)	1996 Acres	1996%	2005 Acres	2005%	Proposed Acres	Proposed %
Aspen	26958	34.85%	32379	40.35%	31274	39.34%	30999	39.00%
Wh. Birch	5118	6.62%	2907	3.62%	1068	1.34%	1005	1.26%
Cedar	1180	1.53%	2372	2.96%	2069	2.60%	1928	2.43%
Fir/Spruce	3222	4.17%	1159	1.44%	889	1.12%	1304	1.64%
Hemlock/Hwd	190	0.25%	541	0.67%	877	1.10%	877	1.10%
R. Maple	0	0.00%	0	0.00%	551	0.69%	505	0.64%
N. Hardwood	13002	16.81%	12475	15.55%	14174	17.83%	14545	18.30%
Oak	1207	1.56%	2069	2.58%	2044	2.57%	1689	2.12%
Jack Pine	102	0.13%	168	0.21%	112	0.14%	118	0.15%
Red Pine	1645	2.13%	1717	2.14%	1889	2.38%	1975	2.48%
White Pine	0	0.00%	171	0.21%	203	0.26%	444	0.56%
Black Spruce	2043	2.64%	2088	2.60%	2228	2.80%	2153	2.71%
Swamp Conifer	2111	2.73%	1076	1.34%	830	1.04%	830	1.04%
Swamp Hwd	1860	2.40%	2130	2.65%	1283	1.61%	1134	1.43%
NonCom Spruce	1777	2.30%	2858	3.56%	2682	3.37%	2682	3.37%
NonCom Tam	249	0.32%	248	0.31%	172	0.22%	172	0.22%
Tamarack	840	1.09%	748	0.93%	1239	1.56%	1239	1.56%
Total Forested	61504	79.51%	65106	81.14%	63584	79.99%	63599	80.01%
Upl. Grass	441	0.57%	364	0.45%	361	0.45%	361	0.45%
True Grass	84	0.11%	128	0.16%	245	0.31%	236	0.30%
Heb Vegetation	137	0.18%	194	0.24%	128	0.16%	128	0.16%
Low Shrubs	233	0.30%	173	0.22%	89	0.11%	83	0.10%
Industrial Area	0	0.00%	2	0.00%	22	0.03%	22	0.03%
Picnic Area	0	0.00%	1	0.00%	1	0.00%	1	0.00%
Motor Veh. Trail	0	0.00%	0	0.00%	23	0.03%	23	0.03%
Marsh	6624	8.56%	1447	1.80%	1160	1.46%	1160	1.46%
Muskeg Bog	0	0.00%	3340	4.16%	4480	5.64%	4480	5.64%
Emergent Veg.	0	0.00%	163	0.20%	154	0.19%	154	0.19%
Noncom Grass	0	0.00%	587	0.73%	591	0.74%	591	0.74%
Noncom Veg	0	0.00%	0	0.00%	42	0.05%	42	0.05%
Water	0	0.00%	12	0.01%	12	0.02%	12	0.02%
Lowland Brush	2633	3.40%	1910	2.38%	924	1.16%	924	1.16%
Alder	5025	6.50%	5741	7.16%	6578	8.28%	6578	8.28%
Minor Lake	0	0.00%	448	0.56%	551	0.69%	551	0.69%
Minor Stream	0	0.00%	101	0.13%	98	0.12%	98	0.12%
Right of Way	0	0.00%	87	0.11%	301	0.38%	301	0.38%
Upland Brush	675	0.87%	432	0.54%	145	0.18%	145	0.18%
Total non-forest	15852	20.49%	15130	18.86%	15905	20.01%	15890	19.99%
Total Property	77356		80236		79489		79489	

The Oneida County Forestry Department is committed to maintaining diverse cover types on the forest. Species such as Aspen and Oak, which are declining statewide, are two forest cover types that will be maintained at current levels or will be increased as opportunities permit. A decrease in the acreage of White Birch over the last 28 years is mainly due to a significant dieback of the species beginning in the mid 1980's. Drought and insects are the suspected cause of this dieback. The County attempts to regenerate White Birch whenever possible. However, high deer populations and the resulting browsing of White Birch seedlings have made this effort difficult.

Some acreage changes over the years are a result of updating reconnaissance (recon) information. As stands are visited it is not uncommon to find that either a stand was mistyped originally or, due to natural succession (such as a grassy area that has seeded in with white spruce and is now a spruce stand), a stand has changed from one species to another. The continued updating of recon information will help identify more accurately the changing composition of the forest.

3320 HARVESTING

Aspen				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	638	316	248	202
1997	638	105	240	208
1998	638	45	150	473
1999	638	225	0	132
2000	638	521	335	67
2001	638	254	257	87
2002	638	253	307	281
2003	638	337	287	230
2004	638	139	264	161
9 Yr Total	5742	2195	2088	1841
Ave/Yr	638	244	232	205

Northern Hardwood				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	788	597	359	118
1997	788	491	414	167
1998	788	480	971	528
1999	788	484	0	963
2000	788	250	646	295
2001	788	18	57	363
2002	788	281	124	525
2003	788	357	205	249
2004	788	557	448	381
9 Yr Total	7092	3515	3224	3589
Ave/Yr	788	391	358	399

White Birch				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	30	258	136	250
1997	30	73	122	93
1998	30	48	121	260
1999	30	21	0	0
2000	30	98	21	156
2001	30	106	61	0
2002	30	110	164	124
2003	30	0	68	45
2004	30	164	26	68
9 Yr Total	270	878	719	996
Ave/Yr	30	98	80	111

Red Pine				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	10	116	66	22
1997	10	46	96	265
1998	10	21	21	0
1999	10	31	31	73
2000	10	54	0	0
2001	10	43	53	31
2002	10	209	127	53
2003	10	100	102	21
2004	10	104	93	13
9 Yr Total	90	724	589	478
Ave/Yr	10	80	65	53

Oak				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	11	68	0	170
1997	11	0	68	0
1998	11	0	0	319
1999	11	0	0	0
2000	11	132	0	0
2001	11	0	132	0
2002	11	0	0	0
2003	11	15	15	64
2004	11	77	77	102
9 Yr Total	99	292	292	655
Ave/Yr	11	32	32	73

All Other Species				
Year	Allowable cut from 95-06 Plan	Acres Estab.	Acres Sold	Acres Closed
1996	86	15	15	20
1997	86	7	0	10
1998	86	102	109	146
1999	86	66	0	0
2000	86	73	97	0
2001	86	0	46	193
2002	86	62	41	0
2003	86	0	21	36
2004	86	249	65	
9 Yr Total	774	574	394	405
Ave/Yr	86	64	44	51

Note: the high number of acres of white birch harvested over the last 10 years is in part due to the declining health of many white birch stands. The decline in health was due to a combination of factors including drought conditions,

bronze birch borer, birch leaf miner and forest tent caterpillar. Many stands were harvested to salvage the timber value before the trees died.

All Sales						
Year	Allowable cut from 95-06 Plan	Acres Estab.	Recon in Lieu of Sale	Total Sale Activity	Sold Acres	Closed Acres
1996	1563	1370	193	38	839	782
1997	1563	722	841	36	940	808
1998	1563	696	867	45	1372	1590
1999	1563	827	736	26	31	1314
2000	1563	1128	435	30	1099	518
2001	1563	421	1142	25	606	481
2002	1563	915	648	27	763	1176
2003	1563	809	754	21	698	609
2004	1563	1290	273	13	973	761
9 Yr Total	14067	8178	5889	261	7321	8039
Ave/Yr	1563	909	654	29	813	893

Note: The shortfall in acres established over the last 9 years is, in part, due to scheduling of Aspen and Northern Hardwoods. In the past it was assumed that the Aspen rotation age (the age at which a stand of aspen is ready for harvesting) was around 40 years. As these scheduled stands were entered it was found that they were not in fact ready for harvest. Much of this wood has been rescheduled for future harvest. Also, the Northern Hardwood thinning schedule assumed re-entering a stand at 15 year intervals. It has been found that many of our lower quality hardwood sites take 20 plus years before the next thinning is warranted. All acreage scheduled for harvest in a particular year but not established for sale in that year (the scheduled harvest year is changed to a later date) is then rescheduled and put under "Recon in Lieu of Sale".

The above acreages do not necessarily reflect the number of acres the County actually established and sold in a given year. The timing of when the paperwork is processed and all data entry is complete determines the year in which the acreage is recorded. Also, 1996-1998 were recorded on calendar years while 1999-2004 were recorded on Fiscal Years. See table 910.1 for calendar year timber sale acreages, values and stumpage receipts.

3330 FLORA / FAUNA

Insect and disease problem arising during the previous planning period included forest tent caterpillar, two lined chestnut borer and spotty cases of sawfly damage. Mortality has occurred in both aspen and oak due to the forest tent caterpillar and the two-lined chestnut borer. Salvage sales have been established where feasible.

Occurrences of non-native invasive plant species have not been observed in significant numbers on the forest. Staff will continue to monitor the situation of invasive species and make efforts to reduce their impacts should they be found. Since the re-introduction of the Timber Wolf in northern Wisconsin, the population has grown to approximately 400 animals. At least three packs have territories that lie partially on Oneida County Forest.

High deer populations over the past several decades have caused difficulty in regenerating some forest tree species, namely northern hardwood, white birch and cedar. Since the 1960's when deer populations were estimated at approximately 400,000 animals statewide, the population has continued to increase. In 2004 the statewide deer population estimate was approximately 1.3 million animals. Despite these high deer populations, efforts to regenerate these tree species will continue.

3340 RECREATIONAL USE

The demand for recreational use of the forest has grown significantly over the past ten years. Growth in sports such as ATV riding, mountain biking, snowmobiling, snowshoeing and cross-country skiing has resulted in the development of additional trail systems and mileage. Continued growth of these and other sports will result in the addition of more miles of trails and more facilities to accommodate the growth.

Other recreational uses of the forest including hunting, hiking and fishing have remained fairly consistent over the past ten years. Growth in these types of uses of the County Forest may occur as large parcels of industrial forest are sold off. If this land is taken out of the Managed Forest Law, or switched to "closed MFL", public use may be shifted from these lands to the County Forest.

3350 HIGH CONSERVATION VALUE FOREST AREAS

Any new High Conservation Value Forest Areas will be added to the plan as they are identified.

3360 ROADS & ACCESS

No new official County Forest roads were added in the last ten years. It is not anticipated that any new County Forest roads will be added during this planning period.

Access to the County Forest via logging trails is currently under review. An inventory of the existing trails will be conducted in 2006. This inventory will then be analyzed to determine access needs to different areas of the County Forest.

3370 OTHER

Monitoring of the Spruce Lake Waterfowl Area dam and the Willow River Dam will continue as required by DNR regulations. Repairs and maintenance will be performed as needed.