

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

CHAPTER 3000

ACCOMPLISHMENTS

3000 OBJECTIVE & POLICY.....2

3100 ANNUAL ACCOMPLISHMENT REPORTS 2

3200 PAST ACCOMPLISHMENTS3

 3210 FOREST PRODUCTS.....3

 3210.1 TIMBER SALES3

 3210.2 NON TIMBER FOREST PRODUCTS.....5

 3220 PAST ACCOMPLISHMENTS.....6

 3221 REFORESTATION6

 3230 TIMBER STAND IMPROVEMENT9

 3240 RECREATIONAL DEVELOPMENTS11

 3250 WILDLIFE PROJECTS13

3300 MONITORING.....15

 3310 FOREST TYPES15

 3320 HARVESTING17

 3330 FLORA / FAUNA.....20

 3340 RECREATION.....20

 3350 HIGH CONSERVATION VALUE FORESTS.....21

 3360 ROADS AND ACCESS21

 3370 OTHER21

3000 OBJECTIVE AND POLICY

OBJECTIVE

To provide a quantifiable means of evaluating progress on both short and long term goals on the Oconto 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

This summary of the Forest activities provides a running history of accomplishments by activity and year.

3210 FOREST PRODUCTS

3210.1 Timber Sales

Oconto County Forest Timber Sales (Closed Out)

Year	No. of Sales	MBF Saw timber	Cords Pulpwood	Acres Cut	Total Cord Equivalent	Value Of Sales
1935	1	6	128	25	145	\$105.00
1936	0	0	0	0	0	\$0.00
1937	0	0	0	0	0	\$0.00
1938	0	0	0	0	0	\$0.00
1939	0	0	0	0	0	\$0.00
1940	8	97	628	165	838	\$800.00
1941	4	6	402	138	415	\$270.00
1942	1	0	191	36	191	\$135.00
1943	7	0	580	140	580	\$415.00
1944	13	31	1,027	185	1,097	\$1,949.00
1945	17	57	1,695	277	1,826	\$3,458.00
1946	22	95	2,005	529	2,238	\$3,701.00
1947	0	0	0	0	0	\$0.00
1948	30	61	3,664	902	3,814	\$7,545.00
1949	21	146	2,466	700	2,968	\$6,751.00
1950	7	18	206	137	241	\$680.00
1951	11	45	1,470	273	1,575	\$4,683.00
1952	15	27	1,190	204	1,246	\$4,436.00
1953	10	34	1,161	248	1,234	\$4,420.00
1954	17	33	780	173	814	\$3,291.00
Year	No. of Sales	MBF Saw timber	Cords Pulpwood	Acres Cut	Total Cord Equivalent	Value Of Sales
1955	29	32	2,204	459	2,294	\$7,229.00

1956	27	11	2,325	622	2,565	\$6,940.00
1957	24	56	3,794	721	3,919	\$13,710.00
1958	29	111	3,246	614	3,485	\$10,941.00
1959	12	24	1,384	251	1,507	\$6,194.00
1960	18	22	2,526	374	2,602	\$7,075.00
1961	13	26	927	261	1,018	\$3,841.00
1962	12	40	3,348	599	3,489	\$11,973.00
1963	24	92	8,077	1,264	8,366	\$27,888.00
1964	19	27	2,636	468	2,695	\$8,754.00
1965	11	15	2,104	334	2,139	\$6,590.00
1966	20	42	3,095	695	3,221	\$10,400.00
1967	9	32	2,706	332	2,772	\$8,508.00
1968	11	39	4,487	593	4,568	\$15,589.00
1969	5	1	3,972	447	3,973	\$13,696.00
1970	13	52	3,655	561	3,830	\$16,648.00
1971	11	48	3,383	443	3,497	\$15,563.00
1972	0	0	0	0	0	\$0.00
1973	10	14	5,200	490	5,298	\$24,738.00
1974	13	30	4,385	387	4,460	\$23,285.00
1975	9	41	4,956	437	5,056	\$17,896.00
1976	13	88	5,715	480	6,010	\$46,962.00
1977	18	303	11,454	997	12,171	\$69,704.00
1978	11	76.4	5,370	312	5,556	\$39,446.00
1979	13	295	10,178	762	11,378	\$95,575.06
1980	16	51.5	14,831	856	15,042	\$154,904.21
1981	13	54	11,649	800	11,791	\$138,028.00
1982	21	46	13,673	826	13,812	\$178,262.66
Year	No. of Sales	MBF Saw timber	Cords Pulpwood	Acres Cut	Total Cord Equivalent	Value Of Sales
1983	6	38	8,111	407	8,204	\$139,767.41

1984	13	45	13,893	785	14,007	\$180,562.71
1985	19	18.9	14,774	786	14,884	\$179,202.94
1986	11	5.2	17,630	445	17,642	\$112,987.64
1987	18	11.6	12,848	883	12,876	\$166,189.71
1988	14	22.5	13,685	755	13,734	\$176,156.73
1989	23	0	20,185	1,108	20,396	\$272,409.90
1990	24	82.96	22,984	1,073	23,186	\$266,643.39
1991	22	21.3	11,924	772	11,975	\$164,122.56
1992	22	205.85	18,210	1,118	18,668	\$323,634.34
1993	23	110.58	12,856	620	13,100	\$210,954.26
1994	12	36.46	6,957	491	7,038	\$146,288.28
1995	26	138.60	20,600	1,285	20,908	\$460,754.00
1996	16	126.83	9,569	704	9,850	\$267,575.00
1997	23	77.02	16,963	975	17,207	\$516,158.00
1998	13	313.46	8,096	633	8,786	\$275,276.00
1999	17	26	7,153	661	7,327	\$264,867.00
2000	12	30.38	8,098	465	8,165	\$312,965.00
2001	8	35.56	7,419	474	7,498	\$247,868.00
2002	19	510.23	13,133	894	14,382	\$495,965.00
2003	27	72.16	20,843	1,416	21,135	\$723,064.00
2004	19	183.47	13,244	1,031	13,907	\$525,020.00
TOTAL	995	4,436.96	458,048	37,298	470,611	\$7,451,411.80

3210.2 Non-timber forest products

Oconto County only has firewood permits on closed out timber sales for non-timber forest products.

<u>Year</u>	<u>Permits</u>	<u>Revenue</u>
2000	17	\$170.00
2001	84	\$840.00
2002	40	\$400.00
2003	66	\$660.00

2004	75	\$750.00
2005	75	\$750.00 (Estimated)

3220 PAST ACCOMPLISHMENTS

3221 REFORESTATION

Oconto County Reforestation

Year	New Planting	Replanting	Direct Seed	Total
1933	0	0		0
1934	0	0		0
1935	0	0		0
1936	0	0		0
1937	110	0		110
1938	139	30		169
1939	378	97		475
1940	1,977	44		2,021
1941	1,675	238		1,913
1942	1,145	46		1,191
1943	381	153		534
1944	176	101		277
1945	72	-		72
1946	81	58		139
1947	131	5		136
1948	116	37		153
1949	222	4		226
1950	142	73		215
1951	52	3		55
1952	94	-		94
1953	162	36		198
1954	56	-		56
1955	76	-		76
1956	3	-		3

1957	43	-	43
1958	49	-	49
1959	-	-	0
1960	-	-	0
1961	-	-	0
1962	1	16	17
1963	-	-	0
1964	-	-	0
1965	0	-	0
1966	40	-	40
1967	0	-	0
1968	35	-	35
1969	0	-	0
1970	0	-	0
1971	50	-	50
1972	0	-	0
1973	45	-	45
1974	0	-	0
1975	50	-	50
1976	0	-	0
1977	0	-	0
1978	60	-	60
1979	40	-	40
1980	34	-	34
1981	49	-	49
1982	82	-	82
1983	40	-	40
1984	87	-	87
1985	65	-	65
1986	80	-	80
1987	56	-	56

1988	40	-		40
1989	136	-		136
1990	172	-		172
1991	44	-		44
1992	0	-		0
1993	105	-		105
1994	95	-		95
1995	102	-		102
1996	123	-		123
1997	103	-		103
1998	137	-		137
1999	127	-		127
2000	64	40		104
2001	24	-	31	55
2002	59	-		59
2003	12	-	42	54
2004	0	40		40
2005	66	-		66
Totals	9,503	1,021	73	10,597

Number Trees Planted by Species (prior 1964)

Red Pine 4,893.300
Jack Pine 3,966.500
White Pine 689.600
Austrian Pine 5.200
White Spruce 73.400
Norway Spruce 295.600
 9,923.600

1964 to 2005

Jack Pine 1,166,000

Red Pine	937,000
White Pine	62,000
White Cedar	<u>300</u>
Total	2,165.300

3230 TIMBER STAND IMPROVEMENT

COMPLETED ACRES 1964 & PRIOR

Year	Projects in coniferous Plantations				Improvements Natural Conifers	Improvement Natural Conifers	Total All TST
	Released	Pruned	Thinned	Total			
1940	110	-	-	110	-	-	110
1941	535	-	-	535	187	-	722
1942	131	-	-	131	180	57	369
1943	-	-	-	-	-	-	-
1944	-	-	-	-	-	-	-
1945	-	-	-	-	-	-	-
1946	98	-	-	98	-	-	98
1947	310	-	-	310	-	-	310
1948	92	-	-	92	-	-	92
1949	496	-	-	496	-	-	496
1950	-	-	-	-	-	-	-
1951	74	-	-	74	-	-	74
1952	34	-	-	34	-	-	34
1953	-	-	-	-	-	-	-
1954	-	-	-	-	-	-	-
1955	78	-	-	78	-	-	78
1956	207	-	-	207	-	-	207
1957	68	-	-	68	-	-	68
1958	-	27	-	27	-	-	27

1959	63	36	-	99	-	-	99
1960	290	309	-	599	-	-	599
1961	294	121	-	415	-	-	415
1962	93	-	19	112	-	-	112
1963	184	-	-	184	-	-	184
1964	-	-	-	-	-	-	-
Total	3,157	493	19	3,669	367	57	4,093

COMPLETE ACRES 1965 TO 2005

(No data available between 1965-1995-will be inserted upon discovery)

YEAR	SITE	PREP	TST
1996	Chemical	Release	32 acres
	Mechanical	Site Prep	103 acres
	Chemical	Site Prep	103 acres
1997	Mechanical	Site Prep	137 acres
	Chemical	Site Prep	137 acres
1998	Mechanical	Site Prep	127 acres
	Chemical	Site Prep	127 acres
1999	Mechanical	Site Prep	64 acres
	Chemical	Site Prep	64 acres
2000	Mechanical	Site Prep	24 acres
	Chemical	Site Prep	24 acres
	Mechanical	Release	68 acres
2001	Mechanical	Site Prep	59 acres
	Chemical	Site Prep	59 acres
	Mechanical	Release	40 acres
2002	Mechanical	Site Prep	12 acres
	Chemical	Site Prep	12 acres
	Mechanical	Release	50 acres

2003	Mechanical		0 acres
	Chemical		0 acres
2004	Mechanical	Site Prep	66 acres
	Chemical	Site Prep	66 acres

3240 RECREATIONAL/FOREST DEVELOPMENTS & ACCOMPLISHMENTS

1995

- 1) Established ATV Trail

1996

- 1) 10 Year Plan
- 2) Opened ATV Trail
- 3) Purchase 1st GPS Equipment

1997

- 1) North Bay Shore Improvement Project Initiated
- 2) Development of Oconto to Stiles (Oconto River State Recreational Trail)
- 3) Improvements to Riverside Park
- 4) New Heated Forestry Shop Initiated

1998

- 1) Purchased 40 acres in Township of Brazeau
- 2) Heated Forest Shop Built
- 3) Improve NBS Campsite
- 4) Enter 1,340 acres County Property into County Forest System

1999

- 1) Purchase bulldozer and backhoe with State Forestry Loan
- 2) Finish North Bay Shore Improvement Project (Harbor and Campgrounds)
- 3) Purchase Forestry Software (Timber Sales)
- 4) Take over and develop Pensaukee Landing
- 5) Approve 5 Year Recreation Plan

2000

- 1) Machickanee Bathroom
- 2) Upgrade several items at Chute Pond
- 3) Work with North Bay Shore Sanitary District for building at Chute Pond.
- 4) Purchase Lawn Mower, Snowmobile
- 5) Gain access to 400 acres to Town of How

2001

- 1) New Nicolet State Trail Lease Agreement
- 2) Finish Pensaukee Landing Development
- 3) Resurface Oconto River Trail
- 4) Land exchange in Abrams (encroachment)
- 5) Purchase 155.67 acres in Town of Brazeau

2002

- 1) Purchase mower and pick up
- 2) PLSS Corner Monumentation in Town of Brazeau
- 3) Enter 556 acres of land in County Forest System
- 4) Purchase used road grader
- 5) Purchase surveillance camera

2003

- 1) Purchase 4x4 pickup
- 2) Riverside Park Shore Fishing Development
- 3) Machickanee Shooting Range Development
- 4) Wolf Marsh Restoration Project Initiated

2004

- 1) Record Wolf Marsh Flooding Easement and finish project (worked with Wings Over Wisconsin Northeast Sky's Chapter).
- 2) Worked with Sheriff's Department to start a new position Recreational Officer.

- 3) Update \$46,000 of outdated Forest Recon.
- 4) Initiate Forest Certification.
- 5) Initiate New Storage Building at Forestry Shop
- 6) Initiate 10 Year Plan
- 7) Amend Chute Pond Caretaker Contract

2005

- 1) Upgrade 17 campsites at Chute Pond.
- 2) Contract out parks lawn care.
- 3) Forest Certification – FSC & SFI
- 4) Build Forestry Storage Building

3250 WILDLIFE PROJECTS

- 1997 Map Trails and roads in County Forest with GPS.
- 1998 Oak improvement project for turkey management.
Installed gates to control vehicle access.
Map Trails with GPS.
- 1999 Oak improvement for turkey management.
Fencing 1 acre clear cut in cedar to control deer browsing.
Install gates to control vehicle access.
Map Trails with GPS.
- 2000 Gain access to 400 land locked county property.
Lower Weso Flowage and mow encroaching brush.
Reseeded logging road/landings.
Install/maintain gate to control vehicle access.
- 2001 Purchase 155 acres in Town of Brazeau Swamp (Deer Yard)
Monitor cedar fencing.
Install/monitor gates to control vehicle access.
- 2002 Install/maintain gates to control vehicle access.
GPS/GIS Wildlife Openings.
- 2003 Wolf Marsh Restoration Initiated
Develop hunter/walker trails in Machickanee with Ruffed Grouse

Society.

Install/maintain gates to control vehicle access.

GPS/GIS Wildlife Openings.

2004 Wolf Marsh Restoration Finish (Coop with Wings Over Wisconsin-Northeast Sky's Chapter)

Install/maintain gates to control vehicle access.

GPS/GIS Wildlife Openings.

2005 Designated Breed Unit (5,096.43 acres) for Ruffed Grouse Management and Breed Sportsman Club.

Install/maintain gates to control vehicle access.

GPS/GIS Wildlife Openings.

3300 MONITORING

3310 FOREST TYPES

OCONTO COUNTY FOREST COMPOSITION

Forest Type	1960 Original Acres	Original %	1976 Acres	1976%	1986 Acres	1986%	1995 Acres	1995%	2005 Acres	2005%
PW	632	1.70%	3,725	9.1%	385	.9%	440	1.04%	988	2.22%
PR	3,634	9%			3,818	9%	3,762	8.9%	5,262	12.05%
PJ	3,345	8.9%	3,028	7.4%	2,371	5.6%	2,360	5.58%	1,494	3.44%
FS	261	.7%	218	.5%	171	.4%	114	.27%	151	.36%
SB	750	2%	995	2.4%	991	2.3%	937	2.22%	892	2.05%
SXSB									27	.07%
T	207	.60%	132	.3%	132	.3%	132	.31%	146	.34%
C	3,863	10.3%	4,060	9.9%	4,039	9.5%	3,914	9.26%	4,054	9.16%
SXC									143	.33%
HH	78	.2%	155	.4%	155	.4%	153	.36%	210	.49%
OX	917	2.5%			164	.4%	160	.38%	364	.84%
SH	19	.1%	5,054	12.2%	5,227	12.3%	5,298	12.53%	4,895	11.25%
A	4,096	10.9%	13,088	31.8%	14,164	33.5%	14,389	34.04%	12,929	29.57%

AX									260	.59%
G	14,601	38.7%	160	.4%	160	.4%	154	.36%	86	.19%
GG									33	.08%
GH									12	.03%
I									2	.01%
ICG									19	.05%
IP									21	.05%
K									409	9.39%
KB									724	1.67%
KEV									806	1.86%
KG									225	.52%
KH									35	.08%
L									88	.21%
UB	670	1.8%	70	.2%	70	.2%	27	.06%	114	.27%
LB	224	.6%	3,820	9.3%	3,986	9.4%	5,640	13.34%	2,007	4.49%
LBA									1,343	3.06%
LBW									733	1.67%
LM									104	.24%
LMS									3	.01%
MR									1,280	2.95%
NH	683	1.8%	1,838	4.5%	1,835	4.3%	1,824	4.31%	2,006	4.61%
O			1,267	3.1%	1,021	2.4%	789	1.87%	836	1.93%
R									42	.10%
ROW									74	.17%
BW			222	.5%	192	.5%	210	.50%	32	.08%
Bottomland HWD			139	.3%	139	.3%	139	.33%		
SC					95	.2%	188	.44%	416	.96%
Z									157	.36%
Total Forested	37,812	94.2%	37,971	92.3%	39,115	92.3%	40,630	96.11%	43,516	100%
Non Commercial Forest	405	1%	445	1.1%	445	1.1%	445	1.05%		
Non Forest	1,930	4.8%	2,710	6.6%	2,777	6.6%	1,199	2.84%		

3320 HARVESTING

OCONTO COUNTY FOREST**ASPEN (Acres)**

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	323	258	189	221
1997	215	151	151	490
1998	275	182	162	210
1999	204	357	357	197
2000	266	240	155	219
2001	226	326	232	187
2002	235	65	176	196
2003	177	35	92	576
<u>2004</u>	<u>153</u>	<u>159</u>	<u>170</u>	<u>291</u>
<i>Totals (9 yrs.)</i>	2074	1773	1684	2587
<i>Annual Average</i>	230	197	187	287

RED PINE (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	356	206	206	276
1997	235	327	194	151
1998	248	227	360	97
1999	324	131	131	299
2000	350	257	63	117
2001	354	423	306	131

2002	363	233	279	80
2003	197	377	473	361
<u>2004</u>	<u>305</u>	<u>379</u>	<u>144</u>	<u>205</u>
<i>Totals (9 yrs.)</i>	2732	2560	2156	1717
<i>Annual Average</i>	304	284	240	191

MIXED HARDWOODS (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	185	102	105	103
1997	0	13	73	86
1998	77	114	114	224
1999	192	228	228	13
2000	114	199	181	26
2001	99	50	181	0
2002	50	37	37	289
2003	125	121	89	134
<u>2004</u>	<u>94</u>	<u>62</u>	<u>144</u>	<u>205</u>
<i>Totals (9 yrs.)</i>	936	926	989	1080
<i>Annual Average</i>	104	103	110	120

SWAMP MIX (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	281	108	97	90
1997	207	21	45	37
1998	61	0	2	45
1999	39	0	0	52
2000	73	7	0	2
2001	77	187	7	21

2002	44	136	265	110
2003	67	153	92	51
<u>2004</u>	<u>51</u>	<u>121</u>	<u>274</u>	<u>230</u>
<i>Totals (9 yrs.)</i>	897	733	782	638
<i>Annual Average</i>	100	81	87	71

JACK PINE (Acres)

<i>YEAR</i>	<i>NEED (from 96-05 Plan)</i>	<i>Established</i>	<i>Sold</i>	<i>Closed</i>
1996	0	55	90	69
1997	93	201	201	163
1998	88	24	24	88
1999	67	13	13	112
2000	0	57	14	100
2001	50	0	43	13
2002	57	48	45	39
2003	38	30	33	51
<u>2004</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<i>Totals (9 yrs.)</i>	393	428	463	635
<i>Annual Average</i>	47	48	51	71

ALL SALES (Acres)

<i>YEAR</i>	<i>NEED (from 96-05 Plan)</i>	<i>Established</i>	<i>Sold</i>	<i>Closed</i>
1996	1145	729	687	759
1997	750	713	664	927
1998	837	549	662	662
1999	826	729	749	673
2000	803	760	250	464

<i>2001</i>	<i>806</i>	<i>986</i>	<i>769</i>	<i>352</i>
<i>2002</i>	<i>749</i>	<i>519</i>	<i>805</i>	<i>714</i>
<i>2003</i>	<i>604</i>	<i>716</i>	<i>742</i>	<i>1180</i>
<u><i>2004</i></u>	<u><i>603</i></u>	<u><i>721</i></u>	<u><i>1136</i></u>	<u><i>1608</i></u>
<i>Totals (9 yrs.)</i>	<i>7123</i>	<i>6422</i>	<i>6464</i>	<i>7339</i>
<i>Annual Average</i>	<i>791</i>	<i>716</i>	<i>718</i>	<i>815</i>

Aspen is the primary commercial forest type on the County Forest. The acres have declined from 14,389 in 1995, to 12,929 in 2005, to 12,201 present acres and projected acres of 12,076. This decrease has occurred as aspen stands naturally succeed to hardwoods and oak. Red pine is becoming a very important forest type due to current value, and as stands become mature and final harvest completed, this value will be considered in future stand composition.

3330 FLORA / FAUNA

The aspen forest type continued to decline on the forest due to natural succession and conversion to oak/hardwoods. The loss of aspen forest type has even been greater on adjacent private lands. Ruffed Grouse and Woodcock numbers have decreased regionally. Maintaining the aspen forest type on the remaining aspen resource may be important to these species and the public who hunt on the county forest.

Since their introduction in 1991, turkeys have spread dramatically and are present in every forest unit. Wolf sightings have been documented in Oconto County.

Invasives, such as Glossy Buckthorn, are a significant problem in the County Forest Unit near the Bay of Green Bay.

3340 RECREATIONAL

The demand for developed recreational trails continues to increase, both motorized and non-motorized. Over the last planning period we have seen a dramatic increase in ATV and UTV use on the County Forest.

During this planning period we expect new and additional recreational activities. These will be evaluated by staff, citizens, and the Forest, Parks & Recreation Subcommittee to determine compatibility with current and traditional uses of the County Forest. Any amendments to the plan are approved by both County Board and DNR.

3350 HIGH CONSERVATION VALUE FOREST

See Chapter 530.

3360 ROADS & ACCESS

Primary roads for access to the County Forest Units were constructed prior to 1995. No new primary roads were planned or built during the last ten years. No additional primary forest roads are planned to be constructed unless significant purchases are made that require access. There are possibilities that local Townships may give up road jurisdictions that go through County Forest lands.

The County Forest gates and parking areas will be inspected at least annually and repairs and/or improvements will be completed as needed.

Primary forest roads will be graded at least annually and repairs and/or improvements will be completed as needed. Secondary roads and trails remain gated and closed to motorized vehicles except for the designated ATV/UTV trails. They will be maintained for access as needed.

3370 OTHER

The Weso Flowage Structure (dam) will be inspected every two years, including updating the Emergency Action Plan and the Operation and Maintenance Plan.