

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 Polk 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

3210.1 Timber

Polk County Forest Timber Sales

Year	# of Sales	Sawtimber MBF	Pulpwood Cords	Acres cut	Total Cord Equivalents	Sales value
1996	6	49	3,397	365	3,495	\$80,720
1997	6	18	3,373	343	3,409	\$78,154
1998	3	8	3,419	222	3,435	\$90,260
1999	4	18	4,723	324	4,759	\$129,782
2000	5	142	4,912	454	5,196	\$151,854
2001	4	27	4,254	305	4,308	\$124,481
2002	2	0	5,677	441	5,677	\$175,139
2003	9	213	7,257	716	7,683	\$275,856
2004	11	501	13,858	933	14,894	\$482,267
TOTAL	50	976	50,870	4,103	52,822	\$1,588,513

3210.2 Non-timber forest products

One permit was granted for big bluestem seed collection.

3220 REFORESTATION (tree planting)

YEAR	ACRES	# OF TREES	RED PINE	JACK PINE	WHITE PINE	TAMA- RACK	HARD- WOODS
1996	0						
1997	0						
1998	142	136,000	83,000	40,000	8,000	5,000	0
1999	28	25,000	8,000	9,000	0	8,000	0
2000	45	31,000	18,000	8,000	3,000	3,000	0
2001	163	147,000	108,000	29,000	10,000	0	0
2002	224	190,000	139,000	38,000	9,000	0	4,000
2003	254	246,000	195,000	34,000	17,000	0	0
2004	305	252,000	207,000	12,000	26,000	0	7,000
2005	204	140,000	130,000	0	10,000	0	0
TOTAL	1,365	1,167,000	888,000	170,000	83,000	16,000	11,000

3230 TIMBER STAND IMPROVEMENT / RELEASE

YEAR	ACRES	PRACTICE	METHOD
1996-2001	0		
2002	53	PLANTATION RELEASE	MECHANICAL/ HAND
2003	16	PLANTATION RELEASE	MECHANICAL / HAND
2004	212	PLANTATION RELEASE	AERIAL HERBICIDE
2005	0		
TOTAL	281		

3300 MONITORING

3310 FOREST TYPES

**Polk County Forest
Composition**

Forest Type	1977 Acres	1977%	1995 Acres	1995%	2005 Acres	2005%	Propose d Acres	Proposed %
Aspen	1896	12.82	2511	16.22	3256	19.35	3205	19.04
W. Birch	0	0.00	0	0.00	9	0.05	0	0.00
Fir-Spruce	0	0.00	0	0.00	9	0.05	9	0.05
N. Hdwd.	2941	19.89	1730	11.17	916	5.44	3415	20.29
Oak	1887	12.76	2133	13.78	3089	18.35	641	3.81
Scrub Oak	877	5.93	2310	14.92	3342	19.86	3149	18.71
Jack pine	6260	42.33	4934	31.87	3490	20.74	3343	19.86
Red pine	324	2.19	768	4.96	1514	9.00	1806	10.73
White pine	0	0.00	53	0.34	136	0.81	208	1.24
Noncom swamp	0	0.00	0	0.00	4	0.02	4	0.02
Nomcom tamarack	0	0.00	0	0.00	7	0.04	7	0.04
Sw. Hdwd.	24	0.16	68	0.44	83	0.49	83	0.49
Tamarack	97	0.66	56	0.36	56	0.33	41	0.24
Total Forested	14306	96.75	14563	94.06	15911	94.53	15911	94.53
		0.00		0.00		0.00		0.00
Upl. Grass	6	0.04	12	0.08	19	0.11	19	0.11
True grasses	48	0.32	48	0.31	11	0.07	11	0.07
Motor veh. Trail	0	0.00	0	0.00	30	0.18	30	0.18
Muskeg bog	0	0.00	0	0.00	6	0.04	6	0.04
Nonc..Grass	0	0.00	91	0.59	150	0.89	150	0.89
Emergant veg.	0	0.00	154	0.99	186	1.11	186	1.11
Alder	113	0.76	118	0.76	187	1.11	187	1.11
Minor Lake	0	0.00	32	0.21	138	0.82	138	0.82
R-O-W	0	0.00	159	1.03	135	0.80	135	0.80
Upland brush	314	2.12	306	1.98	58	0.34	58	0.34
Total non- forest	481	3.25	920	5.94	920	5.47	920	5.47
Total Property	14787		15483		16831		16831	

Changes in forest type acreages are due to a number of different factors. Loss in jack pine acreage is due to difficulty in naturally regenerating this species. Gain in aspen and oak types is mainly due to retying the northern hardwood type to more accurately describe the forest cover.

3320 HARVESTING

POLK COUNTY FOREST

ASPEN (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	1013	17	79	55
1997	47	62	62	0
1998	0	64	0	41
1999	0	65	120	60
2000	0	18	0	106
2001	15	65	18	37
2002	0	97	65	0
2003	0	167	264	26
2004	0	0	0	288
Totals (9 yrs.)	1075	555	608	613
Annual Average	119	62	68	68

NORTHERN HARDWOOD (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	643	0	13	0
1997	73	147	147	0
1998	0	0	0	0
1999	0	0	0	13
2000	52	0	0	0
2001	0	107	15	15
2002	0	38	92	0
2003	0	0	38	147
2004	0	40	0	92
Totals (9 yrs.)	768	332	305	267
Annual Average	85	37	34	30

OAK(Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	550	0	238	60
1997	115	40	40	0
1998	109	65	0	114
1999	0	80	145	124
2000	38	0	0	89
2001	0	74	0	72
2002	104	168	74	0
2003	56	340	508	24
2004	0	87	0	74
Totals (9 yrs.)	972	854	1005	557
Annual Average	108	95	112	62

SCRUB OAK (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	215	34	54	28
1997	36	19	41	22
1998	635	154	0	34
1999	135	108	169	112
2000	84	53	0	87
2001	0	158	53	46
2002	0	0	158	87
2003	35	55	55	122
2004	0	221	179	88
Totals (9 yrs.)	1140	802	709	626
Annual Average	127	89	79	70

JACK PINE (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	513	199	455	296
1997	85	115	115	152
1998	99	10	0	163
1999	127	268	278	115
2000	143	402	0	166
2001	88	254	402	135
2002	176	167	254	151
2003	88	99	266	482
2004	25	440	440	89
Totals (9 yrs.)	1344	1954	2210	1749
Annual Average	149	217	246	194

RED PINE (Acres)

YEAR	NEED (from 96-05 Plan)	Established	Sold	Closed
1996	0	39	39	41
1997	0	0	0	22
1998	9	12	0	17
1999	0	7	19	0
2000	49	0	0	6
2001	0	24	0	0
2002	42	41	24	0
2003	0	7	7	0
2004	22	26	26	0
Totals (9 yrs.)	122	156	115	86
Annual Average	14	17	13	10

Polk County Forest

ALL SALES (acres)

Year	Need (from 96-05 Plan)	Established	Sold	Closed
1996	3019	289	878	480
1997	356	383	405	196
1998	871	305	0	369
1999	262	528	731	424
2000	366	473	0	454
2001	103	682	488	305
2002	322	511	667	238
2003	179	716	1227	884
2004	134	814	645	631
Totals 9 yrs.	5612	4701	5041	3981
Annual Average	623	522	560	442

3330 FLORA/FAUNA

There are a few notable and distinct changes in the forest species composition as detailed in 3310 page 3000-5. Jack pine acreage is declining due primarily to four factors: succession to scrub oak with the aid of selective harvests, regeneration difficulties, forced conversion to red pine plantations, and the ease of converting to aspen when aspen exists in jack pine stands. The red oak type shows an increase of acres due to recon updates and inconsistencies on how stands were classified in the past. The northern hardwood type decreased for the same reason. The red pine type increased due to increased planting efforts.

A few notable wildlife species have experienced obvious population increases in and around the County Forest over the past decade. They are Turkey, bear, and wolves. Deer have maintained a high population level and is of concern due to the negative impact that high deer populations have on pine regeneration efforts in Sterling Township.

3340 RECREATIONAL USE

Hunting probably is the most extensive form of recreation on the Forest. Incidents of unauthorized ATV use has increased steadily over the course of the previous 10 years.

3360 ROADS AND ACCESS

The previous plan identified the need for a half mile of new County Forest certified road. That road was built and certified. The other roads built during the previous plan period had specific one time uses intended for timber removal. Many of these roads are naturally reclaimed, bermed or left to grow over. Some of these roads have been left open for public use, for future silvicultural activities (planting, TSI, etc) and for access to future sales.