

COUNTY FOREST COMPREHENSIVE LAND USE PLAN  
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**CHAPTER 2000**  
**PLANNING, REPORTS, BUDGET**

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## **2000 NEEDS OBJECTIVE AND FORMAT**

Objective: 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 limitation. 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.



# Long Term Harvest Goals

Print Date: 10/7/2020

Report 201

## 3700 - MARATHON COUNTY FOREST

Forest Type	15 Year Total (acres)	15 Year Average (acres)	Forest Type Description
A	4,913	328	ASPEN
BW	10	1	WHITE BIRCH
FB	2	0	BALSAM FIR
H	22	1	HEMLOCK
MC	17	1	MISCELLANEOUS CONIFEROUS
MR	1,178	79	RED MAPLE
NH	1,239	83	NORTHERN HARDWOODS
O	1,811	121	OAK
PR	760	51	RED PINE
PW	85	6	WHITE PINE
SB	27	2	BLACK SPRUCE
SH	86	6	SWAMP HARDWOODS
SW	117	8	WHITE SPRUCE
T	61	4	TAMARACK
<b>Total:</b>	<b>10,328</b>	<b>691</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

Print Date: 10/7/2020

Report 204

## 3700 - MARATHON COUNTY FOREST

Year	Annual Goal (All Forest Types)	Forest Type	15 Year Average
2021	988	A	328
2022	826	BW	1
2023	553	FB	0
2024	1,131	H	1
2025	900	MC	1
2026	785	MR	79
2027	722	NH	83
2028	627	O	121
2029	507	PR	51
2030	543	PW	6
2031	330	SB	2
2032	703	SH	6
2033	396	SW	8
2034	552	T	4
2035	765		
<b>Total :</b>	<b>10,328</b>	<b>Total :</b>	<b>691</b>

## **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.

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 Marathon County Parks, Recreation and 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.

**2010 SUMMARY OF 15-YEAR NEEDS**

**2021 THROUGH 2035**

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total	Average/ Year
Personnel:																	
Employees: Total FTE	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	NA	NA
County Parks and Forestry	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	NA	NA
DNR Cooperative Assistance	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	NA	NA
Equipment:																	
Pickup	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	NA
Aerial Photo Replacement	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	3	NA
Chainsaw	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	3	NA
GIS/GPS Equipment	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2	NA
Snowmobile	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	3	NA
Piston Bully Groomer	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	NA
ATV/Gator	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	NA
Land Acquisition - Acres	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	3000	200
Entry of Lands - Acres	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	3000	200
Land Surveying - Mi	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	1
Boundary Fencing - Mi	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	3.75	0.25
**Cultural Practices:																	
Reforestation:																	
Planting - Acres *	0	0	4	76	0	0	0	0	0	0	0	0	0	0	0	80	5
Site Preparation - Acres*	0	0	80	0	0	0	0	0	0	24	0	0	0	0	0	104	7
Timber Stand Improvement - Total*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conifer Release - Acres*	1	1	0	0	4	76	0	0	0	0	0	0	0	0	0	82	5.5
Hardwood Release - Acres*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thinning - Non Commercial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pruning - Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pruning - Fir/Spruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recreation:																	
Parking Areas - Dev Units	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0.13
Parking Areas - Mtc Units	36	37	37	38	38	38	38	38	38	38	38	38	38	38	38	566	38

**2010 SUMMARY OF 15-YEAR NEEDS**

**2021 THROUGH 2035**

Function and Units	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total	Average/ Year
Roads (Certified Co Forest):																	
Construction - Mi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maintenance - Mi	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	97.50	6.50
Nature Trails - Bitzke Birdwalk - Mtce Mi	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	30	2
Mtn Bike Trails - Single Trk - Mtce Miles	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	213.00	14.20
Mtn Bike Trails - Single Trk - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Horse Trails - Mtnce Miles	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	420	28
Horse Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XC Ski Trails - Mtce Miles	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	292.50	19.50
XC Ski Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Snowshoe Trails - Miles	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	101.25	6.75
Snowshoe Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hunter Trails - Mtce Miles	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	225	15
Hunter Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sno Trails - Mtce Miles	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	637.5	42.5
Sno Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATV Trails - Mtce Miles	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	165	11
ATV Trails - Dev Miles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Signs: Gates	52	57	57	57	57	57	57	57	57	57	57	57	57	57	57	850	57
Wildlife Management:																	
Trail Seeding - Miles	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	30	2
Trail Mowing - Miles	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	225	15
Opening Mtce - Openings																	
72 Total Openings	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	225	15
Waterfowl Management:																	
Flowage - Mtce	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	30	2
*17 Total Flowages																	

\* Represents - Sites scheduled for evaluation

## **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 2010 of the Plan. Annual work plans are approved by the County Board and DNR 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 Marathon 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**

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. At a minimum this should go back to 1996 however, a historical list dating back to the inception of your County Forest would be beneficial.

2035.1 TIMBER SALES

2035.1.1 TIMBER

**MARATHON COUNTY FOREST TIMBER SALES - Marathon County  
30,674.3 Acres**

Year	# of Sales	Sawtimber MBF	Pulpwood Cords	Acres Cut	Total Cords Equivalent	Sales value
1965	0	0.00	0.0	0	0.00	\$0.00
1966	0	0.00	0.0	0	0.00	\$0.00
1967	0	0.00	0.0	0	0.00	\$0.00
1968	0	0.00	0.0	0	0.00	\$0.00
1969	5	0.00	485.0	81	485.00	\$1,419.22
1970	6	30.00	378.0	66	444.00	\$1,736.00
1971	2	0.00	746.0	85	746.00	\$1,962.00
1972	6	0.00	3,840.0	410	3,840.00	\$12,170.00
1973	1	0.00	402.0	25	402.00	\$1,072.00
1974	12	0.00	6,017.0	643	6,017.00	\$18,382.00
1975	4	7.00	1,661.0	144	1,676.00	\$4,411.00
1976	9	0.00	1,094.0	135	1,094.00	\$3,618.00
1977	7	60.00	1,420.0	176	1,552.00	\$5,964.00
1978	10	0.00	2,366.0	224	2,366.00	\$10,498.76
1979	9	29.67	3,529.0	315	3,594.00	\$15,504.44
1980	5	40.80	2,045.0	180	2,592.00	\$11,303.52
1981	24	36.50	12,218.0	988	12,285.00	\$43,066.82
1982	15	38.00	3,857.0	383	3,956.00	\$17,853.36
1983	20	87.00	8,230.0	649	8,816.00	\$49,821.17
1984	30	0.21	19,120.0	1,334	19,120.00	\$83,748.22
1985	15	21.26	7,383.0	304	7,431.00	\$56,432.80
1986	21	20.85	8,020.0	699	8,067.00	\$59,472.38
1987	26	50.26	13,155.0	942	13,270.00	\$95,743.96
1988	25	14.47	8,746.7	665	8,778.53	\$71,643.77
1989	33	68.05	16,496.0	1,107	16,646.00	\$118,321.39
1990	11	44.15	5,228.0	304	5,325.00	\$44,517.31
1991	17	54.35	11,849.0	460	11,968.00	\$72,670.92
1992	13	61.47	7,165.0	435	7,300.00	\$60,930.68
1993	12	29.47	9,678.0	589	9,743.00	\$65,249.66
1994	14	32.62	5,778.0	411	5,849.00	\$59,601.52
1995	14	16.56	9,080.0	675	9,116.00	\$80,491.45
1996	9	56.97	4,172.0	330	4,302.00	\$58,538.62

Year	# of Sales	Sawtimber MBF	Pulpwood Cords	Acres Cut	Total Cords Equivalent	Sales value
1997	17	57.00	10,871.0	732	10,996.00	\$139,768.80
1998	2	0.00	1,098.0	76	1,098.00	\$25,465.00
1999	14	104.94	8,500.0	617	8,731.00	\$180,918.11
2000	14	35.09	12,351.0	725	12,428.00	\$319,021.46
2001	17	117.82	14,050.0	856	14,309.00	\$302,993.47
2002	17	119.98	15,335.0	802	15,599.00	\$407,987.19
2003	16	146.04	8,602.0	485	8,923.00	\$203,245.36
2004	8	74.18	6,312.0	309	6,475.00	\$140,892.29
2005	12	129.62	12,884.1	692	13,170.00	\$278,626.37
2006	13	283.50	18,757.4	902	19,381.00	\$371,518.47
2007	23	421.11	22,853.0	1,340	23,779.00	\$747,928.18
2008	13	225.90	13,314.0	751	13,811.00	\$469,046.92
2009	10	130.99	8,809.0	580	9,579.00	\$291,520.00
2010	11	149.69	11,571.0	441	11,900.00	\$439,302.00
2011	14	374.75	12,474.0	917	13,298.00	\$539,231.00
2012	6	86.46	7,722.0	445	7,910.00	\$299,791.00
2013	8	260.64	6,147.6	521	6,721.01	\$320,892.83
2014	13	289.89	9,664.4	665	10,302.13	\$462,135.37
2015	4	15.85	2,434.2	115	2,469.09	\$73,028.69
2016	2	0.00	895.2	121	895.19	\$60,396.34
2017	6	179.54	7,979.3	505	8,374.34	\$503,682.76
2018	10	336.87	15,369.3	774	16,110.39	\$667,543.55
2019	13	956.38	16,806.2	902	18,910.21	\$951,003.15
<b>Total</b>	<b>638</b>	<b>5,295.90</b>	<b>418,958.37</b>	<b>27,032</b>	<b>431,949.89</b>	<b>\$9,322,083.28</b>

\*Above numbers based on DNR closed sales within the year.

2035.1.2

## ANNUAL GROSS TIMBER SALES RECEIPTS

## MARATHON COUNTY FOREST

YEAR	GROSS RECEIPTS	YEAR	GROSS RECEIPTS
1967	\$ -	1994	\$ 83,203.07
1968	\$ 1,080.91	1995	\$ 90,162.86
1969	\$ 1,815.61	1996	\$ 75,534.63
1970	\$ 7,311.92	1997	\$ 89,783.53
1971	\$ 9,792.57	1998	\$ 96,964.40
1972	\$ 7,555.91	1999	\$ 233,199.25
1973	\$ 13,759.83	2000	\$ 255,351.46
1974	\$ 7,850.38	2001	\$ 420,287.27
1975	\$ 7,008.57	2002	\$ 251,697.80
1976	\$ 7,921.34	2003	\$ 211,895.92
1977	\$ 10,076.32	2004	\$ 284,841.07
1978	\$ 11,842.33	2005	\$ 343,021.15
1979	\$ 19,436.83	2006	\$ 509,065.11
1980	\$ 38,465.02	2007	\$ 734,576.86
1981	\$ 39,940.08	2008	\$ 485,565.44
1982	\$ 37,097.71	2009	\$ 290,467.76
1983	\$ 59,454.29	2010	\$ 526,099.29
1984	\$ 64,530.47	2011	\$ 419,917.34
1985	\$ 59,722.09	2012	\$ 323,146.07
1986	\$ 71,932.54	2013	\$ 477,122.61
1987	\$ 52,487.53	2014	\$ 242,865.33
1988	\$ 90,191.48	2015	\$ 66,366.74
1989	\$ 52,546.20	2016	\$ 531,022.66
1990	\$ 45,484.27	2017	\$ 347,274.04
1991	\$ 65,153.54	2018	\$ 714,895.21
1992	\$ 60,648.27	2019	\$ 845,383.37
1993	\$ 62,587.91		

**TOTAL RECEIPTS \$ 9,855,404.16**

2035.1.3 TIMBER SALES HISTORICAL

<b>YEAR</b>	<b>TOTAL ACRES</b>	<b>ASPEN</b>	<b>HARDWOOD</b>	<b>PINE/ OTHER</b>
1967	10	10	0	0
1968	104	38	35	31
1969	1068	1059		9
1970	265	235	0	30
1971	372	316	0	56
1972	120	72	13	35
1973	72	22	0	50
1974	176	149	0	207
1975	214	128	37	49
1976	695	456	146	93
1977	334	219	74	41
1978	587	455	58	65
1979	492	319	163	7
1980	1023	653	316	54
1981	1020	535	338	147
1982	653	443	81	129
1983	547	271	226	50
1984	384	219	38	72
1985	686	575	59	64
1986	604	293	119	179
1987	804	427	310	57
1988	586	296	99	189
1989	475	260	111	94
1990	635	136	311	188
1991	254	9	175	70
1992	704	314	351	39
1993	476	70	357	49
1994	525	50	396	79
1995	453	164	296	20
1996	396	128	228	40
1997	597	279	275	43
1998	630	228	363	39
1999	570	242	238	90
2000	681	301	323	57

<b>YEAR</b>	<b>TOTAL ACRES</b>	<b>ASPEN</b>	<b>HARDWOOD</b>	<b>PINE/ OTHER</b>
2001	689	242	429	18
2002	612	357	224	31
2003	732	352	380	0
2004	731	418	280	33
2005	667	324	295	48
2006	586	296	229	61
2007	707	207	311	189
2008	641	182	386	73
2009	619	235	320	64
2010	652	220	49	383
2011	559	202	172	185
2012	598	361	113	124
2013	543	226	264	53
2014	578	67	309	202
2015	595	204	255	136
2016	629	126	453	50
2017	512	75	207	230
2018	709	356	322	31
2019	644	109	79	456

#### 2035.1.4 NON-TIMBER FOREST PRODUCTS

Marathon County has issued few non-timber forest products permits since the inception of County Forest in September 1966. Records indicate only one bough and five princess pine permits were issued. No other non-timber forest products permits were issued during the search of historical records.

2035.2 REFORESTATION

**2035.2 REFORESTATION**

Year	Planting New Acres	Acres Direct Seeding	Number of Trees Planted
1965	0	0	0
1966	0	0	0
1967	0	0	0
1968	15	0	10,000
1969	2	0	1,000
1970	0	0	0
1971	14	0	10,000
1972	5	0	3,000
1973	12	0	11,000
1974	25	0	18,000
1975	16	0	14,000
1976	24	0	17,000
1977	15	0	10,000
1978	35	0	30,000
1979	21	0	18,000
1980	29	0	27,000
1981	39	0	20,000
1982	9	0	9,000
1983	25	0	29,000
1984	48	0	51,000
1985	26	0	31,000
1986	92	0	84,000
1987	64	0	61,000
1988	18	0	15,000
1989	0	0	0

Year	Planting New Acres	Acres Direct Seeding	Number of Trees Planted
1990	45	0	37,000
1991	0	0	2,000
1992	2	0	3,000
1993	3	0	5,000
1994	7	0	0
1995	0	0	0
1996	0	0	0
1997	0	7	18,000
1998	21	0	9,200
1999	13	0	300
2000	1	0	3,000
2001	3	0	0
2002	0	0	93,000
2003	100	0	106,000
2004	120	0	51,000
2005	0	0	0
2006	3	0	2,000
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	1	0	1,000
2013	1	7	1,000
2014	3	2	2,500
2015	1	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	1	0	500
2020	1	0	500
<b>Total</b>	<b>860</b>	<b>16</b>	<b>804,000</b>

## 2035.3 TIMBER STAND IMPROVEMENT

**TIMBER STAND IMPROVEMENT ACRES**

Year	Release	Prune	TSI	Site Prep	SP-Aspen	I/d
1971	68	0	16	11	384	0.25
1972	24	0	0	0	270	0
1973	29	17	23	0	33	0
1974	0	11	0	0	558	0
1975	0	25	0	0	188	0
1976	0	0	18	0	97	0
1977	34	0	0	0	97	0
1978	66	0	0	0	202	0
1979	0	57	15	2	235	19
1980	37	12	106	0	293	0
1981	0	56	0	0	329	7
1982	29	35	0	24	503	0
1983	17	23	24	24	122	0
1984	15	12	0	47	977	0
1985	23	18	16	210	223	0
1986	0	15	0	0	371	0
1987	0	0	0	96	44	0
1988	150	23	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	50	0	0
1991	0	0	0	0	0	0
1992	0	0	0	0	0	0
1993	0	0	0	0	0	0
1994	74	0	0	3	0	0
1995	39	0	35	0	0	0
1996	0	0	0	0	0	0
1997	0	0	0	13	0	0
1998	0	0	0	0	0	0
1999	0	0	0	3	0	0
2000	0	0	0	0	0	0
2001	0	0	0	120	0	0
2002	200	0	0	115	0	0
2003	92	0	0	3	0	0.25
2004	85	0	0	0	0	0.5



Year	Release	Prune	TSI	Site Prep	SP- Aspen	I/d
2005	190	0	0	0	0	0.25
2006	199	0	0	0	0	0.5
2007	179	0	0	0	0	0
2008	0	0	0	0	0	0
2009	126	0	0	0	0	0.25
2010	7	0	0	0	0	0
2011	0	0	0	0	0	0.8
2012	0	0	0	0	0	0.3
2013	0	0	0	0	0	0.1
2014	0	0	0	0	0	0.1
2015	3	0	0	0	0	0.5
2016	2	0	0	0	0	0
2017	0	0	0	0	0	0.25
2018	0	0	0	57	0	0.25
2019	0	0	0	0	0	0
<b>Total</b>	<b>1688</b>	<b>304</b>	<b>253</b>	<b>778</b>	<b>4926</b>	<b>30.3</b>

SP – Aspen, 1987 is the last recorded year in which \$ were paid to do were paid to do  
Post-sale aspen treatments.  
I/d – insect and disease treatments

2035.4 RECREATIONAL DEVELOPMENTS

Year	# of Camp-sites	# of Shooting Ranges	Ice Age Trail Mileage	ATV Trail Mileage	Snow-Mobile Mileage	Hiking Mileage	Skiing Mileage	Equestrian Mileage	Snow-shoe Mileage	Mtn Biking Mileage	# of Ski Trail Chalet	# of Pit Toilets
1966	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-
1971	12	1	-	-	10	6	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	13	-	-	-	-	-	-	-
1975	-	-	-	-	15	-	3	-	-	-	-	-
1976	-	-	-	-	-	-	3	-	-	-	-	-
1977	-	-	-	-	-	-	2	-	-	-	-	-
1978	-	-	-	-	-	-	2	-	-	-	-	-
1979	-	-	-	-	-	-	4	-	-	-	-	-
1980	-	-	-	-	-	-	3	-	-	-	-	-
1981	-	-	-	-	-	-	6	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	4	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	2
1988	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	12	-	-	-	-	-	-	1	2
1990	-	-	-	-	-	-	-	-	-	-	-	2
1991	-	-	-	-	-	2	-	-	-	-	-	-
1992	-	-	15	-	-	-	-	-	-	9	1	-
1993	-	-	-	-	-	-	6	-	-	-	-	-
1994	-	-	-	-	-	-	-	14	-	-	-	-
1995	-	-	-	-	-	-	-	10	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-	-	-	-

Year	# of Camp-sites	# of Shooting Ranges	Ice Age Trail Mileage	ATV Trail Mileage	Snow-Mobile Mileage	Hiking Mileage	Skiing Mileage	Equestrian Mileage	Snow-shoe Mileage	Mtn Biking Mileage	# of Ski Trail Chalets	# of Pit Toilets
1998	-	-	-	-	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-	-	2	-	-	-
2001	-	-	-	-	-	-	-	-	2	-	-	-
2002	-	-	-	-	-	-	-	-	-	3	-	1
2003	-	-	-	-	-	-	-	-	3	-	-	-
2004	-	-	-	-	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-	-	-	-	-	1
2006	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	2	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-

\*1966 First snowmobile trails established.

\*1975 First cross country ski trails established.

\*No swimming beaches or boat landings have been developed on county forest.

\*1985 Cross country ski trail mileage

Kronenwetter 4

Burma 5

Nine Mile 14

\*1986 Shooting Range campground was abandoned.

\*1987 Kronenwetter and Burma Road cross country ski trails were abandoned. Total of 14 miles remain in Nine Mile.

\*1987 Widened ski trails at Nine Mile from 12 to 16 feet to accommodate skate skiing.

\*1989 First Badger State Games at Nine Mile.

\*1992 Built a garage at Nine Mile for forestry and recreational supplies.

- \*1993 Three miles of new ski trails were developed called the Alps.
  - \*1998 Completed an addition to the garage at Nine Mile.
  - \*2000 Nine Mile completed installation of 5.75km of lighted ski trails. 1<sup>st</sup> year skiing under the lights.
  - \*2002 Guidelines were adopted regulating mountain biking and equestrian trail use.
  - \*2003 A mandatory bike fee was instituted to use Nine Mile trails.
  - \*2014 Central Wisconsin Off Road Cycling Coalition (CWOCC) coordinated a significant improvement project on the single track mountain bike trails. Trail reroutes and some short additions were completed. A total of 13.45 miles of single track approved.
  - \*2017 First Ragnar trail relay running race at Nine Mile Forest.
  - \*2018 Feasibility study began on the potential snowmaking at Nine Mile.
  - \*2019 Nine Mile County Forest event and use regulations policy approved by Forestry/Recreation Committee.
- \*See Chapter 700 for current trail mileage by type.

2035.5 WILDLIFE PROJECTS

Year	Flowages Developed	Hunter Walking Trails Developed	Wildlife Cover Plantings	Openings Development	Wood duck Boxes	Parking Lots
1966	-	-	-	-	-	-
1967	1	-	-	-	-	-
1968	-	-	-	-	-	-
1969	5	10 Miles	-	-	-	8
1970	-	-	-	-	-	12
1971	3	33 Miles	-	-	-	-
1972	2	-	-	-	-	-
1973	-	5 Miles	10,000	-	-	1
1974	-	3 Miles	-	3	-	1
1975	-	-	5,000	-	-	2
1976	-	-	5,000	-	-	2
1977	-	-	10,000	-	-	2
1978	-	5 Miles	-	-	-	1
1979	-	-	-	-	-	-
1980	-	9 Miles	-	6	30	2
1981	-	-	-	3	-	-
1982	-	-	-	-	-	-
1983	-	2 Miles	-	2	-	-
1984	-	-	-	1	-	-
1985	-	-	-	-	-	-
1986	2	-	-	-	37	-
1987	-	-	3,000	-	-	2
1988	-	-	-	-	-	-
1989	-	-	-	-	-	-
1990	2	-	-	-	-	-
1991	-	-	-	-	-	-
1992	1	-	-	-	-	-
1993	1	-	-	-	-	-
1994	-	-	-	-	-	-
1995	-	-	-	-	-	-
1996	-	-	-	-	-	-
1997	-	-	-	-	-	1
1998	-	-	-	-	-	-

Year	Flowages Developed	Hunter Walking Trails Developed	Wildlife Cover Plantings	Openings Development	Wood duck Boxes	Parking Lots
1999	-	-	-	-	-	-
2000	-	-	-	-	-	-
2001	-	-	-	-	-	-
2002	-	-	-	-	-	-
2003	-	-	-	-	-	-
2004	-	-	-	-	-	-
2005	-	-	1,500	-	-	-
2006	-	-	2,000	-	-	-
2007	-	-	-	-	-	-
2008	-	-	-	-	-	-
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	-	-	-	-	-	-
2016	-	-	-	-	-	-
2017	-	-	-	-	-	-
2018	-	-	-	-	-	-
2019	-	-	-	-	-	-

\*1967 The Bern Wetland Wildlife Flowage was developed.

\*1973-1977 Deer year management plans were completed with 30,000 white spruce planted for wildlife green cover.

\*1986 Bitzke Waterfowl Flowage developed.

\*1991 Turkeys were released in cooperation with WI DNR on the Elderon Forest Unit.

\*1991 Leathercamp unit designated as Ruffed Grouse management area and 5+ miles of trail built using money donated by Ruffed Grouse Society to facilitate aspen management.

\*2002-2003 DNR wildlife management used herbicide and prescribed burning to control Reed Canary grass in the Hewitt-Harrison Unit to promote a grassland community.

\*2003 The degrading dike structure at the Bern wetlands unit was replaced with a sheet pile structure.

\*2003-2004 The first of many wild rice seedings occurred in the Nine Mile and Hewitt-Harrison units.

\*2004 Five acres of alder was sheared in Hewitt-Harrison to improve woodcock/grouse habitat.

\*2006-2018 Sheared 180 acres of tag alder in Hewitt-Harrison and Leathercamp units to improve woodcock and grouse habitat.

\*2014 Completed a 112 acre prescribed burn at the Hoffman fields in Hewitt-Harrison to improve habitat.

\*2006-2019 Many other wildlife projects were completed during the 2006-2020 Forest Plan. These can be obtained by asking the Forest Administrator.

## 2040 MONITORING

### 2040.1 FOREST TYPES - FORESTED

Forest Type	1977 Original Acres	Original %		2005 Acres	2005%		2019 Present Acres	2019%		2035 Proposed Acres	Proposed %
Aspen	14,908	79.8		14,386	65.4		14,942	65.2		14,797	64.5
Bottld. Hdwd	0	0		80	.4		74	.3		74	.3
W. Birch	754	4.0		90	.4		19	.1		39	.2
Cedar	0	0		34	.2		0	0		0	0
Fir-Spruce	206	1.1		229	1.0		227	1.0		207	.9
N. Hdwd.	1594	8.5		3702	16.9		1647	7.2		2612	11.4
Oak	466	2.5		1937	8.8		2686	11.7		2079	9.1
Red Maple	0	0		170	.8		1899	8.3		1651	7.2
Jack pine	183	.1		69	.3		14	.1		31	.1
Red pine	406	2.2		945	4.2		912	4.0		965	4.2
White pine	0	0		162	.7		153	.7		148	.6
B. Spruce	68	.4		37	.2		62	.3		62	.3
Sw. Conifer	0	0		16	.1		94	.4		94	.4
Sw. Hdwd.	109	.6		99	.4		102	.4		102	.4
Tamarack	0	0		52	.2		79	.3		79	.3
<b>Total Forested</b>	<b>18,694</b>	<b>75.3%</b>		<b>22,008</b>	<b>76%</b>		<b>22,910</b>	<b>76%</b>		<b>22,940</b>	<b>76.2%</b>



2040.1 (CONTINUED) FOREST TYPES – NON-FORESTED TYPES

Forest Type	1977 Original Acres	Original %	2005 Acres	2005%	2019 Present Acres	2019%	2035 Proposed Acres	Proposed %
Farmland	0	0.0%	31	0.1%	56	0.2%	56	0.2%
Upl. Grass	17	0.1%	247	0.9%	200	0.7%	182	0.6%
True Grasses	138	0.6%	184	0.6%	128	0.4%	128	0.4%
Herb. Veg.	85	0.3%	20	0.1%	35	0.1%	35	0.1%
Low shrub	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Parking Area	0	0.0%	39	0.1%	31	0.1%	31	0.1%
Hiking Trail	0	0.0%	82	0.3%	68	0.2%	68	0.2%
Motor Vehicle Trl	0	0.0%	171	0.6%	127	0.4%	127	0.4%
Marsh	837	3.4%	115	0.4%	53	0.2%	53	0.2%
Emergent Veg	0	0.0%	15	0.1%	6	0.0%	6	0.0%
Nonc. Grass	0	0.0%	366	1.3%	353	1.2%	353	1.2%
Nonc. Veg.	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Low. brush	72	0.3%	88	0.3%	7	0.0%	7	0.0%
Alder	3823	15.4%	4376	15.1%	5555	18.4%	5545	18.4%
Willow	888	3.6%	451	1.6%	69	0.2%	69	0.2%
TOTAL NON- FOREST	6116	24.7%	6968	24%	7223	24%	7166	23.8%
TOTAL PROPERTY	24,810	100%	28,976	100%	30,133	100%	30,106	100%

Aspen is the primary commercial forest type on the forest. The percentage of aspen acres has decreased from 80% (originally) to 65.2% in 2019. This decrease has occurred as aspen stands naturally succeed to hardwoods and oak. Selective treatments have been used where sites were capable of growing better quality hardwoods or oak. During the planning period 2006-2020 there were conscious efforts made to balance the amount of regeneration vs. selective cutting in the remaining mature aspen stands. The reasons for this effort were to diversify the forest, improve timber production for saw timber by managing better sites on an uneven aged method, and satisfy the public's desire to see less clearcutting.

2040.2 HARVESTING

TIMBER SALE MONITORING 2006 – 2020  
 Actual Sale Activity in Acres Compared to Needs in Plan

**MARATHON COUNTY FOREST**

**ASPEN (Acres)**

<b>YEAR</b>	<b>NEED FROM 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>	<b>Closed</b>
2006	317	294	301	547
2007	317	138	174	758
2008	317	187	187	338
2009	317	215	215	186
2010	317	220	220	230
2011	317	202	202	224
2012	317	361	320	222
2013	317	122	163	151
2014	317	297	297	443
2015	317	295	295	56
2016	317	126	126	0
2017	317	189	68	78
2018	317	225	345	399
2019	317	109	110	181
Totals (14 yrs.)	4,438	2,980	3,023	3,813
Annual Average	317	213	216	272

**MARATHON COUNTY FOREST  
NORTHERN HARDWOOD (Acres)**

<b>YEAR</b>	<b>NEED FROM 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>	<b>Closed</b>
2006	225	135	129	173
2007	225	279	287	354
2008	225	190	190	129
2009	225	192	192	117
2010	225	49	49	185
2011	225	172	172	306
2012	225	113	113	173
2013	225	107	107	108
2014	225	55	55	155
2015	225	9	9	29
2016	225	120	120	0
2017	225	103	51	17
2018	225	83	135	44
2019	225	79	79	137
Totals (14 yrs.)	3,150	1,686	1,688	1,927
Annual Average	225	120	121	138

**MARATHON COUNTY FOREST**  
**OAK (Acres)**

<b>YEAR</b>	<b>NEED FROM 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>	<b>Closed</b>
2006	66	0	0	51
2007	66	58	58	34
2008	66	96	96	0
2009	66	22	22	62
2010	66	164	164	61
2011	66	0	0	220
2012	66	31	31	0
2013	66	58	58	34
2014	66	215	214	137
2015	66	27	227	1
2016	66	223	223	0
2017	66	164	164	102
2018	66	57	0	63
2019	66	166	223	377
Totals (14 yrs.)	924	1,281	1,280	1,142
Annual Average	66	92	223	82

**MARATHON COUNTY FOREST**

**RED PINE (Acres)**

<b>YEAR</b>	<b>NEED FROM 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>	<b>Closed</b>
2006	74	36	36	16
2007	74	55	55	25
2008	74	25	25	36
2009	74	65	65	55
2010	74	93	93	155
2011	74	110	110	50
2012	74	50	50	0
2013	74	53	53	76
2014	74	156	156	115
2015	74	135	135	0
2016	74	52	52	121
2017	74	79	79	222
2018	74	0	0	0
2019	74	66	66	50
Totals (14 yrs.)	1,036	975	975	921
Annual Average	74	70	70	66

**MARATHON COUNTY FOREST**  
**ALL OTHER SPECIES (Acres)**

<b>YEAR</b>	<b>NEED FROM 2006-2020 PLAN</b>	<b>Established</b>	<b>Sold</b>	<b>Closed</b>
2006	24	39	39	30
2007	24	88	88	59
2008	24	68	68	35
2009	24	126	126	73
2010	24	122	122	385
2011	24	75	75	117
2012	24	43	43	50
2013	24	179	179	152
2014	24	155	155	111
2015	24	130	130	30
2016	24	111	111	0
2017	24	216	142	89
2018	24	113	187	268
2019	24	224	196	157
Totals (14 yrs.)	336	1,689	1,661	1,209
Annual Average	24	121	119	86

\*All other species include: Jack Pine, White Pine, Bottom land Hardwoods,  
White Birch, Fir, Spruce, Tamarack, Swamp Conifer and Red Maple

**MARATHON COUNTY FOREST**

**ALL SALES (acres)**

<b>Year</b>	<b>Need (from 96-05 Plan)</b>	<b>Established</b>	<b>Recon in lieu of Sale</b>	<b>Total Sale activity</b>	<b>Sold</b>	<b>Closed</b>
2006	706	504	59	563	505	817
2007	706	618	43	661	662	1230
2008	706	566	356	922	566	538
2009	706	620	199	819	620	493
2010	706	648	239	887	648	669
2011	706	559	9	568	559	917
2012	706	598	25	623	557	445
2013	706	519	7	526	560	521
2014	706	878	32	910	877	961
2015	706	596	87	683	596	116
2016	706	632	159	791	632	121
2017	706	751	114	865	493	508
2018	706	478	152	630	678	774
2019	706	644	50	694	674	902
<b>Totals 14 yrs.</b>	9,884	8,611	1,531	10,142	8,627	9,012
<b>Annual Average</b>	<b>706</b>	<b>615</b>	<b>109</b>	<b>724</b>	<b>616</b>	<b>644</b>

During the last planning period 2006-2020, aspen rotation age was set at 45 years with an early constraint to try and diversify age classes. We found that at age 38 some aspen sites were not ready for harvest and those acres were deferred to future years. Therefore, our average goal to regenerate 317 acres per year was reduced approximately 100 acres to the future.

Up until 2008, red maple was included in the northern hardwood acres. Our average goal of 225 acres of northern hardwood harvests was also reduced by about 100 acres. Red maple acres are now captured in the ALL OTHER species category which increased about 100 acres so we are right on the goal for the 2006-2020 period.

Red pine and oak acres were real close to the goals set for the planning period. The overall goal of 706 acres of average timber harvests were 90 acres short, primarily due to the aspen being deferred to future years. Therefore, the average of 616 acres of timber harvests was very close to our annual allowable cut goals set during the 2006-2020 period. Nearly every sale that was established was sold and harvested during this time.

When combining timber sale establishment acres and recon update acres, we are very close to the Annual Allowable Cut goals set for 2006 through 2019. The lower than average closed acreage is related to when contracts are closed within the 3 year contract time frame and can fluctuate from year to year.

### 2040.3 FLORA / FAUNA

Since the last planning period, oak wilt disease has exploded in the Nine Mile Forest Unit. Since 2003, twenty-three pockets of oak wilt have been treated. These occurrences are being controlled by girdling and utilizing herbicides. Gypsy moth is now established in Marathon County and regularly found on County forest lands. Both oak wilt and gypsy moth introduce challenges to oak management on the county forest.

The aspen forest type continued a small 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 packs are established in southern Marathon County on the Mead Wildlife Area. With good habitat on the forest and high deer numbers, wolves have visited forest units and may establish packs on county forest land over the next planning period.

In some areas of County Forest lands over browsing by deer have caused significant issues in regenerating primarily oak and red maple. The local County Deer Advisory Council (CDAC) has not approved any public land antlerless bonus tags the last three years. If the population of deer continues at present levels or increases it is likely that over browsing will have a significant impact on regenerating forests.



Invasives, such as Glossy Buckthorn and honeysuckle, continue to be a problem regenerating forests. Treatment of invasive species will need to continue to slow the spread of these species and to regenerate the forest. There are some areas that may not regenerate due to invasive species already widespread.

#### 2040.4 RECREATIONAL USE

The public's demand for new recreational trails continues to increase, both motorized and non-motorized. Over the last planning period we have seen increases in mountain bike, cross country skiing, equestrian and ATV use on the forest. The Wausau metro area's population has grown and predicted to continue to grow putting additional demands on the forest.

There are very limited opportunities for building new recreational trails particularly at Nine Mile Forest due to multiple user groups using them and the density of trails already in place. Events have been growing with larger participation and requests for new trail-based activities has also grown. Accordingly, a new policy focusing on Nine Mile forest events was enacted due to safety concerns during gun deer seasons, to minimize user conflicts and protect the resource. The policy can be found in Chapter 1000.

During the next planning period we expect that there will continue to be additional requests by groups for additional trails, events and new recreational activities. These will be evaluated by staff, Forests Citizens' Advisory Subcommittee, Forestry/Recreation Committee and Environmental Resource Committee to determine compatibility with current and traditional uses of the forest. Any amendments to the plan require approval by all Committee's, County Board and Department of Natural Resources.

#### 2040.5 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 fifteen years. No additional primary forest roads are planned to be constructed unless significant purchases are made that require access. Additionally, recreational access to the forest remained the same and this conforms to the last plan.

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 at the Burma Forest Unit. They will be maintained for access as needed.

#### 2040.6 OTHER

In cooperation with the Wisconsin Department of Natural Resources the Bern Wetland Sheetpile Structure will be inspected a minimum of two times per year by DNR wildlife and/or County Parks and Forestry Staff.