

NORTH CENTRAL FOREST EXPERIMENT STATION  
 Forest Service - US Dept. of Agriculture  
 1992 Folwell Avenue  
 St Paul, Minnesota 55108



PULPWOOD PRODUCTION<sup>1/</sup> IN THE LAKE STATES BY COUNTY, 1980

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ABSTRACT.--Pulpwood production in the Lake States--Michigan, Minnesota, and Wisconsin--advanced to 5.66 million cords in 1980. Pulpwood production is shown by county and species group for these three States.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin.

Lake States pulpwood production climbed to 5.66 million cords in 1980. Wisconsin produced 2.36 million cords, Michigan 1.97 million cords, and Minnesota 1.33 million cords.

Nine out of 10 cords came from roundwood (including chips); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

	<u>Softwood</u>	<u>Hardwood</u>
	(Hundred standard cords, unpeeled)	
Michigan	152	1,380
Minnesota	339	628
Wisconsin	395	2,493

Principal species harvested were aspen (2,278,000 cords), pine (805,000 cords), maple (482,000 cords), balsam fir (322,000 cords), and birch (304,000 cords).

Wisconsin imported 30 percent of its pulpwood requirements, including 490,000 cords from Michigan, 216,000 cords from Minnesota, 170,000 cords from other (primarily western) States, and 92,000 cords from Canada.

<sup>1/</sup> Includes logs, bolts, and wood residue used in manufacturing particleboard and waferboard.

Counties cutting more than 100,000 cords were Delta, Marquette, Iron, and Menominee in Michigan; St. Louis, Koochiching, and Itasca in Minnesota; and Marinette, Oneida, Forest, and Price in Wisconsin. These counties furnished 36 percent of the pulpwood produced from roundwood in the Lake States in 1980.

Table 1.--Lake States pulpwood production by county and species, 1980

(In hundred standard cords, unpeeled)

MICHIGAN												
Unit/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
<b>E. UPPER PENINSULA</b>												
Alger	398	94	23	32	42	3	4	38	19	2	89	52
Chippewa	315	113	52	60	20	3	3	33	6	1	14	10
Delta	1,500	123	80	163	89	10	12	443	127	9	242	202
Luce	390	128	51	55	51	3	2	42	10	1	29	18
Mackinac	431	40	47	63	22	2	8	106	26	4	65	48
Menominee	1,095	51	52	143	59	5	5	395	74	10	222	79
Schoolcraft	563	151	32	57	42	4	7	106	24	2	80	58
<b>Total</b>	<b>4,692</b>	<b>700</b>	<b>337</b>	<b>573</b>	<b>325</b>	<b>30</b>	<b>41</b>	<b>1,163</b>	<b>286</b>	<b>29</b>	<b>741</b>	<b>467</b>
<b>W. UPPER PENINSULA</b>												
Baraga	635	29	15	27	35	3	6	95	79	5	234	107
Dickinson	601	12	24	64	14	3	2	340	36	5	61	40
Gogebic	448	24	25	38	37	3	4	125	24	2	98	68
Houghton	335	44	10	28	24	2	3	75	35	2	79	33
Iron	1,377	94	69	141	36	6	5	539	117	8	260	102
Keweenaw	11	0	2	2	3	0	0	0	1	0	2	1
Marquette	1,478	317	72	148	96	9	12	423	74	15	194	118
Ontonagon	777	11	8	16	11	2	2	490	37	1	125	76
<b>Total</b>	<b>5,662</b>	<b>531</b>	<b>225</b>	<b>464</b>	<b>256</b>	<b>28</b>	<b>32</b>	<b>2,087</b>	<b>403</b>	<b>38</b>	<b>1,053</b>	<b>545</b>
<b>N. LOWER PENINSULA</b>												
Alcona	569	28	1	X	0	0	0	363	26	74	51	26
Alpena	436	21	6	7	0	0	0	231	19	50	75	27
Antrim	122	1	0	0	0	0	0	69	6	22	20	4
Arenac	11	0	0	0	0	0	0	7	0	0	4	0
Benzie	130	X	0	0	0	0	0	52	2	17	47	12
Charlevoix	50	X	X	5	0	0	0	33	2	1	9	0
Cheboygan	412	38	1	13	0	0	0	247	33	17	35	28
Clare	248	0	0	0	0	0	0	184	13	26	18	7
Crawford	251	102	1	1	0	0	0	94	10	16	22	5
Emmet	135	12	0	0	0	0	0	91	11	7	13	1
Gladwin	60	X	0	0	0	0	0	46	4	3	7	X
Grand Traverse	65	16	0	0	0	0	0	31	1	4	5	8
Iosco	174	82	0	X	0	0	0	46	5	19	18	4
Isabella	179	7	0	0	0	0	0	111	2	17	28	14
Kalkaska	64	35	0	0	0	0	0	24	3	1	1	0
Lake	526	182	0	0	0	0	0	110	3	117	99	15
Leelanau	5	3	0	0	0	0	0	X	0	X	1	1
Manistee	249	8	0	0	0	0	0	100	10	43	71	17
Mason	264	21	0	0	0	0	0	96	9	80	51	7
Mecosta	88	11	0	0	0	0	0	61	2	5	8	1
Midland	47	0	0	0	0	0	0	37	3	0	6	1
Missaukee	211	5	X	4	0	0	0	139	11	21	27	4
Montmorency	286	69	X	2	0	0	0	138	23	16	28	10
Newaygo	264	83	0	0	0	0	0	100	1	66	11	3
Oceana	175	46	0	0	0	0	0	51	2	48	26	2
Ogemaw	164	8	0	X	0	0	0	100	11	32	11	2
Osceola	244	34	0	0	0	0	0	123	3	60	23	1
Oscoda	502	89	X	1	0	0	0	266	26	61	47	12
Otsego	497	124	0	X	0	0	0	280	33	27	33	0
Presque Isle	401	20	4	24	X	0	0	234	49	4	44	22
Roscommon	258	55	0	0	0	0	0	167	15	9	11	1
Wexford	357	139	0	0	0	0	0	103	8	26	61	20
<b>Total</b>	<b>7,444</b>	<b>1,239</b>	<b>13</b>	<b>57</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>3,734</b>	<b>346</b>	<b>889</b>	<b>911</b>	<b>255</b>
<b>S. LOWER PENINSULA</b>												
Allegan	15	5	0	0	0	0	0	9	0	X	1	0
Barry	11	3	0	0	0	0	0	5	X	3	X	X
Berrien	2	2	0	0	0	0	0	0	0	0	0	0
Cass	1	1	0	0	0	0	0	0	0	0	0	0
Ingham	5	5	0	0	0	0	0	0	0	0	0	0
Kalamazoo	1	1	0	0	0	0	0	X	0	0	0	0
Kent	17	4	0	0	0	0	0	8	0	5	0	0
Montcalm	73	16	0	0	0	0	0	31	X	18	5	3
Muskegon	94	48	0	0	0	0	0	8	X	38	X	X
Ottawa	119	113	0	0	0	0	0	2	0	4	0	0
Van Buren	4	4	0	0	0	0	0	0	0	0	0	0
Washtenaw	4	4	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>346</b>	<b>206</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>X</b>	<b>68</b>	<b>6</b>	<b>3</b>
<b>State total</b>	<b>18,144</b>	<b>2,676</b>	<b>575</b>	<b>1,094</b>	<b>581</b>	<b>58</b>	<b>73</b>	<b>7,047</b>	<b>1,035</b>	<b>1024</b>	<b>2,711</b>	<b>1,270</b>

(Table 1 continued on next page)

(Table 1 continued)

## MINNESOTA

Unit/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHERN ASPEN-BIRCH												
Carlton	180	8	21	9	0	2	0	117	2	0	0	21
Cook	587	47	149	219	0	0	0	171	0	0	0	1
Koochiching	2,242	109	644	228	0	179	0	946	10	0	4	122
Lake	705	136	184	58	0	1	0	281	39	0	0	6
St. Louis	2,700	355	267	215	0	37	0	1,616	59	0	1	150
Total	6,414	655	1,265	729	0	219	0	3,131	110	0	5	300
NORTHERN PINE												
Aitkin	445	3	14	8	0	25	0	376	1	0	0	18
Becker	23	13	0	1	0	X	0	9	0	0	0	X
Beltrami	891	136	119	102	0	61	0	444	4	X	2	23
Cass	666	111	5	9	0	14	0	491	29	0	X	7
Clearwater	299	34	21	15	0	28	0	193	2	0	1	5
Crow Wing	115	60	3	1	0	0	0	47	2	0	0	2
Hubbard	446	66	6	8	0	7	0	334	1	0	0	24
Itasca	2,079	104	108	235	0	23	0	1,537	5	0	3	64
Lake of the Woods	320	68	123	3	0	15	0	100	0	0	0	11
Mahnomen	15	3	0	0	0	0	0	11	0	0	0	1
Roseau	86	38	30	1	0	3	0	13	0	0	0	1
Wadena	140	121	X	X	0	0	0	16	0	0	0	3
Total	5,525	757	429	383	0	176	0	3,571	44	X	6	159
CENTRAL HARDWOOD												
Chisago	3	3	0	0	0	0	0	0	0	0	0	0
Goodhue	X	X	0	0	0	0	0	0	0	0	0	0
Hennepin	1	0	0	0	0	0	0	0	0	0	0	1
Isanti	19	19	0	0	0	0	0	0	0	0	0	0
Kanabec	37	0	0	0	0	0	0	34	X	0	0	3
Mille Lacs	91	1	1	0	0	2	0	87	0	0	0	X
Morrison	56	3	0	0	0	0	0	53	0	0	0	0
Otter Tail	1	0	0	0	0	0	0	1	0	0	0	X
Pine	129	6	2	0	0	X	0	113	1	0	0	7
Ramsey	1	0	0	0	0	0	0	0	0	0	0	1
Sherburne	45	45	0	0	0	0	0	0	0	0	0	0
Todd	13	12	0	0	0	0	0	1	0	0	0	X
Total	396	89	3	0	0	2	0	289	1	0	0	12
PRAIRIE												
Polk	34	0	2	0	0	29	0	3	0	0	0	X
Total	34	0	2	0	0	29	0	3	0	0	0	X
State total	12,369	1,501	1,699	1,112	0	426	0	6,994	155	X	11	471

(Table 1 continued on next page)

(Table 1 continued)

WISCONSIN												
Unit <sup>1/</sup> and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
<b>NORTHEASTERN</b>												
Florence	599	22	20	30	7	1	0	360	55	9	63	32
Forest	1,362	61	73	189	23	2	0	596	122	8	178	110
Langlade	853	28	21	46	3	3	0	405	66	8	184	89
Lincoln	906	37	9	32	6	2	X	362	63	14	177	204
Marinette	1,925	302	58	75	21	3	0	1,146	158	32	79	51
Menominee	423	28	0	X	149	0	0	167	3	3	42	31
Oconto	600	166	15	13	5	3	0	303	56	5	18	16
Oneida	1,612	158	57	184	31	3	0	685	229	43	152	70
Shawano	330	54	0	2	6	X	0	177	6	11	33	41
Vilas	863	92	22	82	8	1	X	389	152	22	70	25
<b>Total</b>	<b>9,473</b>	<b>948</b>	<b>275</b>	<b>653</b>	<b>259</b>	<b>18</b>	<b>X</b>	<b>4,590</b>	<b>910</b>	<b>155</b>	<b>996</b>	<b>669</b>
<b>NORTHWESTERN</b>												
Ashland	893	41	14	130	5	1	X	406	113	15	106	62
Barron	15	5	0	0	0	0	0	8	X	X	1	1
Bayfield	923	182	2	24	2	X	0	538	142	6	15	12
Burnett	401	192	0	X	0	0	0	201	3	1	3	1
Douglas	968	426	1	4	0	1	0	493	36	1	4	2
Iron	592	15	4	28	6	1	0	176	51	10	149	152
Polk	12	6	0	0	0	0	0	6	X	X	X	X
Price	1,231	28	9	62	22	7	1	351	177	47	244	283
Rusk	423	3	0	2	5	1	0	184	66	22	82	58
Sawyer	861	34	5	66	12	X	0	417	110	15	127	75
Taylor	757	14	6	30	11	2	0	271	74	20	162	167
Washburn	451	186	2	5	0	0	0	212	22	3	16	5
<b>Total</b>	<b>7,527</b>	<b>1,132</b>	<b>43</b>	<b>351</b>	<b>63</b>	<b>13</b>	<b>1</b>	<b>3,263</b>	<b>794</b>	<b>140</b>	<b>909</b>	<b>818</b>
<b>CENTRAL</b>												
Adams	459	364	X	X	0	1	0	5	2	75	6	6
Chippewa	270	38	X	1	2	0	0	111	35	27	28	28
Clark	422	50	0	X	6	X	0	185	34	86	30	31
Eau Claire	121	54	X	0	0	0	0	27	6	16	10	8
Jackson	290	178	X	0	0	1	0	34	9	55	7	6
Juneau	303	184	0	0	0	0	0	19	10	68	14	8
Marathon	405	59	2	9	11	X	0	211	21	18	40	34
Marquette	85	36	0	0	0	X	0	1	4	30	8	6
Monroe	150	119	0	0	0	1	0	4	2	14	6	4
Portage	199	110	X	X	1	1	0	37	4	32	8	6
Waupaca	138	44	0	X	X	0	0	71	2	11	5	5
Waushara	134	125	0	0	0	0	0	1	1	4	2	1
Wood	370	132	3	0	X	0	0	142	14	55	10	14
<b>Total</b>	<b>3,346</b>	<b>1,493</b>	<b>5</b>	<b>10</b>	<b>20</b>	<b>4</b>	<b>0</b>	<b>848</b>	<b>144</b>	<b>491</b>	<b>174</b>	<b>157</b>
<b>SOUTHWESTERN</b>												
Buffalo	13	8	0	0	0	0	0	5	0	0	0	0
Crawford	17	0	0	0	0	0	0	2	1	9	2	3
Dunn	113	111	0	0	0	0	0	X	X	X	1	1
Grant	17	X	0	0	0	0	0	2	1	9	2	3
Iowa	X	X	0	0	0	0	0	X	0	0	0	0
La Crosse	10	10	0	0	0	0	0	0	0	0	0	0
Pepin	21	18	1	0	0	0	0	1	1	X	X	X
Pierce	3	3	X	0	0	0	0	X	X	0	X	X
Richland	X	X	0	0	0	0	0	0	0	0	0	0
St. Croix	1	0	0	0	0	0	0	1	0	0	0	0
Sauk	53	47	0	0	0	0	0	0	1	1	3	1
Trempealeau	24	24	0	0	0	0	0	X	X	0	X	X
Vernon	1	1	0	0	0	0	0	0	X	0	X	X
<b>Total</b>	<b>273</b>	<b>222</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>19</b>	<b>8</b>	<b>8</b>
<b>SOUTHEASTERN</b>												
Brown	10	5	0	0	0	0	0	5	X	0	X	0
Columbia	64	46	0	0	0	0	0	1	4	6	4	3
Dane	1	1	0	0	0	0	0	0	0	0	0	0
Door	X	X	0	0	0	0	0	0	0	0	0	0
Green	3	3	0	0	0	0	0	0	0	0	0	0
Green Lake	8	7	0	0	0	0	0	0	X	0	X	1
Outagamie	17	3	X	0	0	0	0	14	0	0	X	0
Waukesha	11	11	0	0	0	0	0	0	X	X	X	X
Winnebago	X	X	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>114</b>	<b>76</b>	<b>X</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>4</b>
<b>State total</b>	<b>20,733</b>	<b>3,871</b>	<b>324</b>	<b>1,014</b>	<b>342</b>	<b>35</b>	<b>1</b>	<b>8,732</b>	<b>1,856</b>	<b>811</b>	<b>2,091</b>	<b>1,656</b>

<sup>1/</sup>Includes only those counties that supplied pulpwood in 1980.<sup>2/</sup>X=Less than 50 cords.