



PULPWOOD PRODUCTION^{1/} IN THE LAKE STATES BY COUNTY, 1983

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Abstract.--Lake States pulpwood production rose to a record 6.54 million cords in 1983. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin.

Pulpwood production in the Lake States--Michigan, Minnesota, and Wisconsin--climbed from 5.52 million cords in 1982 to a record 6.54 million cords in 1983. Wisconsin produced 2.47 million cords, Michigan 2.16 million cords, and Minnesota 1.91 million cords.

Ninety-two percent came from roundwood (including chips from roundwood); 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>State</u>	<u>Softwood</u>	<u>Hardwood</u>
	(Hundred standard cords, unpeeled)	
Michigan	208	1,523
Minnesota	552	387
Wisconsin	479	2,104

Principal species harvested were aspen (3,305,600 cords), pine (809,300 cords), maple (455,800 cords), birch (332,000 cords), and balsam fir (276,400 cords).

Wisconsin imported 23 percent of its pulpwood requirements, including 391,000 cords from Michigan, 156,000 cords from Minnesota, 137,000 cords from other (primarily western) States, and 32,000 cords from Canada.

Counties cutting more than 100,000 cords were Delta, Menominee, Baraga, Iron, and Marquette in Michigan; Koochiching, St. Louis, Beltrami, Cass, and Itasca in Minnesota; and Forest, Langlade, Marinette, Oneida, Vilas, Bayfield, Douglas, Price, and Sawyer in Wisconsin. These 19 counties contributed 53 percent of the pulpwood produced from roundwood in the Lake States in 1983.

^{1/}Includes logs, bolts, and wood residue used in manufacturing particleboard, waferboard, and oriented strand board.

Table 1.--Lake States pulpwood production from roundwood by county and species, 1983
(In hundred standard cords, unpeeled)

Unit and county	MICHIGAN											
	All species	Pine	Spruce	Balsam fir	Hem- lock	Tam- arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	494	72	34	40	47	2	11	93	49	3	70	73
Chippewa	513	188	43	39	18	2	14	120	24	1	36	28
Delta	1,384	277	130	186	50	19	48	257	116	1	145	155
Luce	252	49	50	38	28	4	5	26	14	1	17	20
Mackinac	394	33	40	52	12	1	8	123	29	1	54	41
Menominee	1,167	66	94	169	79	7	27	369	109	7	117	123
Schoolcraft	803	264	62	67	42	3	26	104	63	1	81	90
Total	5,007	949	453	591	276	38	139	1,092	404	15	520	530
W. UPPER PENINSULA												
Baraga	1,002	52	17	20	64	2	20	467	186	2	118	54
Dickinson	903	47	52	75	17	9	11	468	85	2	64	73
Gogebic	580	31	4	2	13	X 2/	X	268	41	4	141	76
Houghton	126	25	3	4	3	X	X	15	15	1	36	24
Iron	1,469	46	85	91	25	10	11	660	115	4	284	138
Keweenaw	1	-	X	X	1	-	-	-	-	X	X	-
Marquette	1,760	318	147	172	77	10	55	381	166	8	197	229
Ontonagon	357	X	6	1	10	1	-	160	25	1	108	45
Total	6,198	519	314	365	210	32	97	2,419	633	22	948	639
N. LOWER PENINSULA												
Alcona	543	11	-	X	-	-	-	389	25	67	29	22
Alpena	283	4	X	1	-	-	-	207	17	21	18	15
Antrim	48	5	-	-	-	-	-	34	X	5	3	1
Arenac	27	-	-	-	-	-	-	20	1	1	4	1
Bay	X	-	-	-	-	-	-	X	-	-	-	-
Benzie	86	-	-	-	-	-	-	40	2	16	26	2
Charlevoix	45	X	-	-	-	-	-	34	4	X	6	1
Cheboygan	723	25	3	12	-	-	-	513	43	39	77	11
Clare	228	7	-	-	-	-	-	214	3	3	1	X
Crawford	326	84	X	X	-	-	-	190	9	22	18	3
Emmet	214	17	-	-	-	-	-	167	2	2	26	X
Gladwin	101	X	-	-	-	-	-	91	3	3	3	1
Grand Traverse	129	12	-	-	-	-	-	95	1	8	9	4
Iosco	202	83	-	X	-	-	-	83	6	19	7	4
Isabella	103	-	-	-	-	-	-	94	2	3	3	1
Kalkaska	248	81	-	-	-	-	-	132	7	7	15	6
Lake	420	81	-	-	-	-	-	216	5	63	43	12
Leelanau	15	X	-	-	-	-	-	13	1	-	1	X
Manistee	196	11	-	-	-	-	-	83	4	65	24	9
Mason	382	13	-	-	-	-	-	260	11	47	42	9
Mecosta	190	3	-	-	-	-	-	165	2	12	8	X
Midland	41	-	-	-	-	-	-	38	1	X	X	2
Missaukee	270	4	-	-	-	-	-	226	6	5	25	4
Montmorency	567	29	-	16	-	-	-	390	19	43	43	27
Newaygo	422	122	-	-	-	-	-	236	1	51	11	1
Oceana	151	22	-	-	-	-	-	98	3	18	10	X
Ogemaw	358	105	-	-	-	-	-	185	12	30	21	5
Osceola	174	1	-	-	-	-	-	146	3	15	9	X
Oscoda	398	99	-	-	-	-	-	240	10	29	14	6
Otsego	259	110	-	-	-	-	-	97	10	15	20	7
Presque Isle	448	36	7	28	-	-	-	280	33	18	33	13
Roscommon	131	14	-	-	-	-	-	102	4	5	5	1
Wexford	291	44	-	-	-	-	-	158	9	21	54	5
Total	8,019	1,023	10	57	-	-	-	5,236	259	653	608	173
S. LOWER PENINSULA												
Allegan	211	8	-	-	-	-	-	43	2	90	45	23
Barry	17	1	-	-	-	-	-	11	X	4	1	X
Berrien	37	-	-	-	-	-	-	5	X	16	11	5
Calhoun	2	2	-	-	-	-	-	X	-	X	X	-
Eaton	1	1	-	-	-	-	-	-	-	-	-	-
Ingham	1	X	-	-	-	-	-	1	-	-	-	-
Kalamazoo	31	X	-	-	-	-	-	5	X	15	7	4
Kent	16	3	-	-	-	-	-	4	X	6	3	X
Montcalm	61	1	-	-	-	-	-	31	X	24	5	X
Muskegon	89	18	-	-	-	-	-	22	X	43	6	X
Ottawa	81	42	-	-	-	-	-	10	X	14	4	11
Van Buren	75	-	-	-	-	-	-	12	1	26	27	9
Washtenaw	2	-	-	-	-	-	-	-	-	-	-	2
Total	624	76	-	-	-	-	-	144	3	238	109	54
State total	19,848	2,567	777	1,013	486	70	236	8,891	1,299	928	2,185	1,396

(Table 1 continued on next page)

(Table 1 continued)

MINNESOTA												
Unit and county	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	264	19	6	2	-	-	-	217	2	-	-	18
Cook	390	19	78	26	-	-	-	267	-	-	-	-
Koochiching	2,608	183	240	178	-	93	-	1,759	4	-	2	149
Lake	746	48	135	53	-	16	-	475	11	-	-	8
St. Louis	4,020	417	201	248	-	8	-	2,911	15	-	1	219
Total	8,028	686	660	507	-	117	-	5,629	32	-	3	394
NORTHERN PINE												
Aitkin	602	2	5	8	-	14	-	523	-	-	-	50
Becker	227	18	-	-	-	-	-	196	-	-	-	13
Beltrami	1,478	68	63	64	-	51	-	1,186	5	-	1	40
Cass	1,409	144	8	24	-	12	-	1,189	3	-	X	29
Clearwater	607	17	14	8	-	10	-	540	1	-	X	17
Crow Wing	234	57	-	-	-	-	-	177	-	-	-	-
Hubbard	953	50	3	3	-	2	-	860	-	-	-	35
Itasca	3,385	120	108	283	-	24	-	2,787	1	-	X	62
Lake of the Woods	244	105	68	4	-	15	-	50	-	-	-	2
Mahnomen	111	-	-	-	-	2	-	107	-	-	-	2
Roseau	51	15	20	1	-	5	-	9	-	-	-	1
Wadena	117	77	-	-	-	-	-	39	-	-	-	1
Total	9,418	673	289	395	-	135	-	7,663	10	-	1	252
CENTRAL HARDWOOD												
Isanti	3	3	-	-	-	-	-	-	-	-	-	-
Kanabec	40	-	-	-	-	-	-	40	-	-	-	-
Mille Lacs	240	2	-	-	-	X	-	238	-	-	-	-
Morrison	120	2	X	-	-	-	-	118	-	-	-	-
Otter Tail	2	-	-	-	-	2	-	-	-	-	-	-
Pine	278	29	-	-	-	1	-	213	1	-	-	34
Sherburne	10	9	1	-	-	-	-	-	-	-	-	-
Todd	8	2	-	-	-	-	-	6	-	-	-	-
Winona	X	X	-	-	-	-	-	-	-	-	-	-
Total	701	47	1	-	-	3	-	615	1	-	-	34
PRAIRIE												
Pennington	3	-	-	-	-	-	-	3	-	-	-	-
Polk	8	-	-	-	-	3	-	5	-	-	-	-
Total	11	-	-	-	-	3	-	8	-	-	-	-
State total	18,158	1,406	950	902	-	258	-	13,915	43	-	4	680

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Unit and county ^{1/}	WISCONSIN											
	All species	Pine	Spruce	Balsam fir	Hem- lock	Tam- arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEASTERN												
Florence	686	39	19	65	16	1	3	402	39	11	64	27
Forest	1,316	47	68	120	31	2	X	459	151	15	291	132
Langlade	1,070	17	8	44	7	2	-	500	118	11	250	113
Lincoln	626	43	9	34	6	4	-	340	54	9	77	50
Marinette	1,736	234	39	137	10	5	X	1,062	66	36	103	44
Menominee	560	78	X	-	178	-	-	172	13	8	74	37
Oconto	676	105	1	14	8	2	-	465	18	12	33	18
Oneida	1,330	146	38	87	9	5	-	580	213	29	159	64
Shawano	276	65	1	X	11	2	-	98	10	9	38	42
Vilas	1,238	362	28	107	18	X	-	432	149	18	100	24
Total	9,514	1,136	211	608	294	23	3	4,510	831	158	1,189	551
NORTHWESTERN												
Ashland	886	62	24	80	2	8	-	419	97	7	132	55
Barron	75	20	-	-	X	-	-	46	7	1	X	1
Bayfield	1,628	255	1	20	X	X	-	1,086	202	23	23	18
Burnett	361	136	X	X	-	-	-	216	4	4	1	X
Douglas	1,249	479	1	22	1	X	-	628	94	-	11	13
Iron	720	15	8	11	77	2	-	313	86	3	122	83
Polk	189	28	-	-	-	-	-	65	-	X	28	68
Price	1,186	36	11	30	4	9	-	450	168	17	297	164
Rusk	624	8	-	6	4	X	-	317	75	51	85	78
Sawyer	1,189	46	16	32	2	6	-	686	199	16	118	68
Taylor	547	9	2	13	3	4	-	218	57	14	170	57
Washburn	598	157	1	10	X	-	-	371	36	X	16	7
Total	9,252	1,251	64	224	93	29	-	4,815	1,025	136	1,003	612
CENTRAL												
Adams	302	265	-	-	-	1	-	7	1	26	1	1
Chippewa	167	6	-	X	X	-	-	92	31	3	19	16
Clark	435	34	-	1	1	-	-	235	42	51	46	25
Eau Claire	124	85	-	X	X	-	-	19	3	13	3	1
Jackson	309	214	-	-	-	-	-	45	7	28	14	1
Juneau	257	171	-	-	-	-	-	30	2	43	8	3
Marathon	428	38	2	14	10	X	-	296	13	8	28	19
Marquette	59	30	-	X	-	X	-	4	2	19	3	1
Monroe	164	134	X	-	1	-	-	5	1	16	5	2
Portage	205	85	1	1	3	6	-	60	4	28	11	6
Waupaca	156	73	X	1	1	-	-	35	4	14	17	11
Wausara	176	175	-	-	-	X	-	X	-	1	-	-
Wood	207	56	X	-	X	-	-	79	10	34	22	6
Total	2,989	1,366	3	17	16	7	-	907	120	284	177	92
SOUTHWESTERN												
Buffalo	3	3	-	-	-	-	-	X	-	-	-	-
Dunn	106	103	-	-	-	-	-	1	1	1	X	-
Grant	3	3	-	-	-	-	-	-	-	-	-	-
Iowa	X	-	-	-	-	-	-	-	X	-	X	X
La Crosse	24	23	-	-	-	-	-	-	-	1	-	-
Pepin	2	1	-	-	-	-	-	-	-	1	-	-
Pierce	X	X	-	-	-	-	-	-	-	-	-	-
Richland	3	3	-	-	-	-	-	-	-	-	-	-
St. Croix	4	4	-	-	-	-	-	-	-	-	-	-
Sauk	72	72	-	-	-	-	-	-	X	X	X	X
Trempealeau	43	42	1	-	-	-	-	X	-	X	-	-
Total	260	254	1	-	-	-	-	1	1	3	X	X
SOUTHEASTERN												
Brown	7	1	-	-	-	-	-	6	-	-	-	-
Calumet	X	X	-	-	-	-	-	-	-	-	-	-
Columbia	86	76	-	-	-	-	-	X	1	9	X	X
Door	4	-	-	-	-	-	-	4	-	-	-	-
Green Lake	20	20	-	-	-	-	-	-	-	-	-	-
Kewaunee	3	-	-	-	-	-	-	3	-	-	-	-
Manitowoc	X	-	-	-	-	-	-	X	-	-	-	-
Outagamie	6	2	-	-	-	-	-	4	-	-	X	X
Walworth	4	4	X	-	-	-	-	-	-	-	-	-
Waukesha	10	10	-	-	-	-	-	-	-	-	-	-
Total	140	113	X	-	-	-	-	17	1	9	X	X
State total	22,155	4,120	279	849	403	59	3	10,250	1,978	590	2,369	1,255

^{1/} Includes only those counties that supplied pulpwood in 1983.

^{2/} X=less than 50 cords.