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MISCELLANEOUS REPORT NO. 26

COMMODITY DRAIN FROM FORESTS OF THE LAKE STATES

1952

By Arthur G. Horn, Forest Economist

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Lake States Forest Experiment Station

Miscellaneous Report No. 26

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By Arthur G. Horn, Forest Economist ^{1/}
Lake States Forest Experiment Station ^{2/}

INTRODUCTION

Industries and public agencies frequently request data on forest products manufacture and timber drain. To meet these demands effectively and to provide estimates for forest surveys, the Station periodically prepares summaries such as presented here for 1952. With the exception of 1951, similar reports have been prepared each year since 1946. ^{3/}

In using the data given in this report, one should keep in mind the standards and definitions used in compiling the information (see definitions).

Basis for Production Statistics

Because 1952 lumber production figures were not available from the Bureau of Census, the Station had to develop its own plan for making independent estimates of lumber production. A brief statement regarding the source of the production data and the procedure used for making these estimates follows:

Minnesota

A complete canvass of sawmills to obtain the 1952 cut of lumber by species was made in 45 counties by field personnel of the Office of Iron Range Resources and Rehabilitation and Minnesota Forest Service.

The production data obtained in the 45 counties were applied on an area basis to the other 15 lumber producing counties in the state. The small volume of lumber produced in the remaining 27 counties in the southwestern part of the state was accounted for by applying a production ratio based on past lumber production records. Over a period of years these 27 counties have accounted for less than one percent of the state's annual lumber output.

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- ^{1/} The author gratefully acknowledges the help from the Office of Iron Range Resources & Rehabilitation, State Conservation Departments, and of many owners and operators of primary wood-using establishments in the region who so kindly cooperated and furnished much of the basic information so necessary in this report.
- ^{2/} Maintained by the U. S. Department of Agriculture, Forest Service, in cooperation with the University of Minnesota, St. Paul Campus, St. Paul 1, Minnesota.
- ^{3/} Miscellaneous Report No. 7 (1946); Miscellaneous Report No. 9 (1947); Station Paper No. 20 (1948); Miscellaneous Report No. 19 (1949); and Miscellaneous Report No. 18 (1950).

Wisconsin - Michigan

No census data were available for 1952 but the Station had regional estimates of the Bureau of Census for 1950 from which it had derived state estimates for that year. The Station also had lumber production records for 1950 and 1952 for nearly 50 percent of the large mills and 17 percent of the medium-size mills in each of the two states. By use of these identical mills and the 1950 state estimates, the large and medium mill output was calculated for each state. The species distribution was kept in the proportions shown by the 1950 records.

Forest Survey collaborators obtained 1952 data for small sawmills in 8 scattered counties in Wisconsin and 10 in Michigan. Total state lumber production figures for the small mill class was calculated from this sample by area ratio.

For the commercial and container veneer, pulp, distillation, cooperage, and excelsior industry a 100 percent canvass was made of all plants known to have procured logs and bolts from the Lake States region. The 1952 log and bolt receipt figures obtained from these industries were used as a basis for production estimates.

For such items as round and split mine materials, piling, utility poles, etc., a complete canvass was made of all the iron and copper mines operating in the region, and of all the known wholesalers and distributors of piling and utility poles.

Fuelwood and fence post estimates are based on information collected by Forest Survey cooperators from farmers and other rural nonfarm residents in about 20 counties in each state. Additional information on post production was obtained from carloading reports of railroads operating in the region.

Conversion Factors

The Station has collected supplemental information on each product as to:- (1) percent of wood volume obtained from live, dead, and cull trees, and from by-product materials, and (2) proportion of volume cut from sawtimber and poletimber trees. Gross volumes of individual products were determined from information furnished by industry. For example, stock records for posts, poles, and piling showed the number of pieces by length, top, and butt diameters. Such information made possible calculations of gross volume for each product. By incorporating these findings with utilization data collected during a recent field survey (1953), a set of conversion and waste factors were prepared for the major products which are closely in line with present utilization standards of wood-using industries.

General Limitations of Data

The Forest Survey accuracy goal for timber drain estimates is 75 percent per billion cubic feet, which would permit a standard error of slightly less than 7 percent on the 1952 estimate for the Lake States. Because of the variety of sources and methods used, it is almost impossible to calculate the probable errors of the 1952 estimate. It is believed, however, that the total falls within this limit. In any case, we feel that the estimates are the best obtainable at this time and will serve a useful purpose.

Survey Definitions

Commodity production--The gross volume of a forest product cut from any class of material from commercial or noncommercial forest lands. Production has been expressed in the following standard survey units:- Board-foot log scale; International 1/4-inch rule; cord (4x4x8 feet); rough-wood basis; number of pieces; number of lineal feet; and number of cubic feet (inside bark).

Cutting drain--The net volume of timber removed from growing stock on commercial forest lands through commodity production and logging waste during the year, expressed in board feet, International 1/4-inch rule, and cubic feet (i.b.).

Drain from sawtimber trees--The net volume (board feet, International 1/4-inch) of the log portion in softwood trees 9 inches and larger, and hardwood trees 11 inches and larger, d.b.h., removed during logging operations. The cubic-foot volume shown includes both the sawlog equivalent plus the volume in the tops to a 4-inch minimum.

Drain from poletimber trees--The net volume in cubic feet (i.b.) of poletimber removed through cutting during the year. Included in this class are softwood trees from 5.0 to 8.9 inches and hardwood trees from 5.0 to 10.9 inches d.b.h. It includes cubic-foot volume found in the tree stems to a minimum top diameter of 4 inches (i.b.).

CUTTING DRAIN FROM PRIMARY GROWING STOCK

1952

Table 1. - Net timber drain resulting from cutting sawlogs and sawbolts in the Lake States - 1962

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	Total :M bd.ft.:M cu.ft.:M bd.ft.:M cu.ft.:M cu.ft.	Sawtimber :M bd.ft.:M cu.ft.:M cu.ft.	Poletimber: :M cu.ft.		Total :M bd.ft.:M cu.ft.:M bd.ft.:M cu.ft.:M cu.ft.	Sawtimber :M bd.ft.:M cu.ft.:M cu.ft.	Poletimber: :M cu.ft.
White pine	49,121 10,963 49,121 9,291 1,672			Birch	57,255 11,608 57,255 10,558 1,050		
Minnesota	19,005 4,242 19,005 3,595 647			Minnesota	5,071 1,029 5,071 936 93		
Wisconsin	18,361 4,098 18,361 3,473 625			Wisconsin	15,581 3,159 15,581 2,873 286		
Michigan	11,755 2,623 11,755 2,223 400			Michigan	36,603 7,420 36,603 6,749 671		
Red pine	37,410 8,349 37,410 7,076 1,273			Basswood	44,966 9,115 44,966 8,291 824		
Minnesota	22,480 5,017 22,480 4,252 765			Minnesota	9,008 1,826 9,008 1,661 165		
Wisconsin	11,026 2,461 11,026 2,086 375			Wisconsin	21,529 4,364 21,529 3,969 395		
Michigan	3,904 871 3,904 738 133			Michigan	14,429 2,925 14,429 2,661 264		
Jack pine	52,664 11,755 52,664 9,962 1,793			Elm	60,649 12,293 60,649 11,181 1,112		
Minnesota	35,332 7,886 35,332 6,684 1,202			Minnesota	8,556 1,734 8,556 1,577 157		
Wisconsin	6,950 1,551 6,950 1,314 237			Wisconsin	21,944 4,448 21,944 4,046 402		
Michigan	10,382 2,318 10,382 1,964 354			Michigan	30,149 6,111 30,149 5,558 553		
Spruce	6,624 1,480 6,624 1,254 226			Beech	24,433 4,953 24,433 4,505 448		
Minnesota	3,063 684 3,063 580 104			Minnesota	- - - - -		
Wisconsin	730 163 730 138 25			Wisconsin	1,199 243 1,199 221 22		
Michigan	2,831 633 2,831 536 97			Michigan	23,234 4,710 23,234 4,284 426		
Balsam	3,261 727 3,261 616 111			Oak	115,093 23,331 115,093 21,222 2,109		
Minnesota	2,231 498 2,231 422 76			Minnesota	19,298 3,911 19,298 3,558 353		
Wisconsin	558 124 558 105 19			Wisconsin	52,922 10,728 52,922 9,758 970		
Michigan	472 105 472 89 16			Michigan	42,873 8,692 42,873 7,906 786		
Tamarack	2,078 463 2,078 392 71			Aspen	54,317 29,835 54,317 10,627 19,208		
Minnesota	876 195 876 165 30			Minnesota	16,105 8,846 16,105 3,151 5,695		
Wisconsin	730 163 730 138 25			Wisconsin	22,770 12,507 22,770 4,455 8,052		
Michigan	472 105 472 89 16			Michigan	15,442 8,482 15,442 3,021 5,461		
Cedar	5,730 1,280 5,730 1,085 195			Cottonwood	8,548 1,732 8,548 1,575 157		
Minnesota	1,784 398 1,784 338 60			Minnesota	4,075 826 4,075 751 75		
Wisconsin	1,115 249 1,115 211 38			Wisconsin	2,075 420 2,075 382 38		
Michigan	2,831 633 2,831 536 97			Michigan	2,398 486 2,398 442 44		
Hemlock	92,279 20,604 92,279 17,455 3,149			Miscellaneous	16,226 3,287 16,226 2,990 297		
Minnesota	- - - - -			Minnesota	1,972 400 1,972 363 37		
Wisconsin	31,704 7,084 31,704 5,997 1,087			Wisconsin	5,440 1,102 5,440 1,003 99		
Michigan	60,575 13,520 60,575 11,458 2,062			Michigan	8,814 1,785 8,814 1,624 161		
Softwood total	249,167 55,621 249,167 47,131 8,490			Hardwood total	593,142 139,061 593,142 109,975 29,086		
Minnesota	84,771 18,920 84,771 16,036 2,884			Minnesota	65,477 18,855 65,477 12,254 6,601		
Wisconsin	71,174 15,893 71,174 13,462 2,431			Wisconsin	201,777 48,794 201,777 37,460 11,334		
Michigan	93,222 20,808 93,222 17,633 3,175			Michigan	325,888 71,412 325,888 60,261 11,151		
Maple	211,655 42,907 211,655 39,026 3,881			All Species	842,309 194,682 842,309 157,106 37,576		
Minnesota	1,392 283 1,392 257 26			Minnesota	150,248 37,775 150,248 28,290 9,485		
Wisconsin	58,317 11,823 58,317 10,753 1,070			Wisconsin	272,951 64,687 272,951 50,922 13,765		
Michigan	151,946 30,801 151,946 28,016 2,785			Michigan	419,110 92,220 419,110 77,894 14,326		

Table 2. - Net timber drain resulting from cutting veneer logs in the Lake States - 1952

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	: M bd.ft.:M ou.ft.:	: Sawtimber M cu.ft.:M bd.ft.:	: Poletimber M cu.ft.:		: M bd.ft.:M ou.ft.:	: Sawtimber M cu.ft.:	: Poletimber M cu.ft.:
White pine	250	45	45	Birch	18,978	3,265	18,978
Minnesota	8	1	1	Minnesota	357	62	357
Wisconsin	52	10	10	Wisconsin	4,859	836	4,859
Michigan	190	34	34	Michigan	13,762	2,367	13,762
Red pine	-	-	-	Basswood	10,809	1,860	10,809
Minnesota	-	-	-	Minnesota	3,197	550	3,197
Wisconsin	-	-	-	Wisconsin	4,234	729	4,234
Michigan	-	-	-	Michigan	3,378	581	3,378
Jack pine	-	-	-	Elm	11,942	2,054	11,942
Minnesota	-	-	-	Minnesota	1,010	173	1,010
Wisconsin	-	-	-	Wisconsin	8,231	1,416	8,231
Michigan	-	-	-	Michigan	2,701	465	2,701
Spruce	-	-	-	Beech	3,287	565	3,287
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	17	3	17
Michigan	-	-	-	Michigan	3,270	562	3,270
Balsam	-	-	-	Oak	5,273	906	5,273
Minnesota	-	-	-	Minnesota	839	144	839
Wisconsin	-	-	-	Wisconsin	3,570	614	3,570
Michigan	-	-	-	Michigan	864	148	864
Tamarack	-	-	-	Aspen	1,447	247	1,447
Minnesota	-	-	-	Minnesota	684	117	684
Wisconsin	-	-	-	Wisconsin	490	84	490
Michigan	-	-	-	Michigan	273	46	273
Cedar	-	-	-	Cottonwood	1,576	272	1,576
Minnesota	-	-	-	Minnesota	1,267	218	1,267
Wisconsin	-	-	-	Wisconsin	283	49	283
Michigan	-	-	-	Michigan	26	5	26
Hemlock	153	28	28	Miscellaneous	2,931	503	2,931
Minnesota	-	-	-	Minnesota	149	25	149
Wisconsin	153	28	28	Wisconsin	1,763	303	1,763
Michigan	-	-	-	Michigan	1,019	175	1,019
Softwood total	403	73	73	Hardwood total	81,012	13,932	81,012
Minnesota	8	1	1	Minnesota	8,367	1,437	8,367
Wisconsin	205	38	38	Wisconsin	30,974	5,328	30,974
Michigan	190	34	34	Michigan	41,671	7,167	41,671
Maple	24,769	4,260	4,260	All Species	81,415	14,005	81,415
Minnesota	864	148	148	Minnesota	8,375	1,438	8,375
Wisconsin	7,527	1,294	1,294	Wisconsin	31,179	5,366	31,179
Michigan	16,378	2,818	2,818	Michigan	41,861	7,201	41,861

Table 3. - Net timber drain resulting from cutting heading stock in the Lake States - 1952

Species and total	Net timber drain by size classes				Species and total	Net timber drain by size classes			
	M bd.ft.	M cu.ft.	Sawtimber bd.ft.	Poletimber cu.ft.		M bd.ft.	M cu.ft.	Sawtimber bd.ft.	Poletimber cu.ft.
White pine	-	-	-	-	Birch	301	92	301	69
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	226	69	226	52
Michigan	-	-	-	-	Michigan	75	23	75	17
Red pine	-	-	-	-	Basswood	1,089	328	1,089	249
Minnesota	-	-	-	-	Minnesota	16	54	54	12
Wisconsin	-	-	-	-	Wisconsin	1,014	306	1,014	232
Michigan	-	-	-	-	Michigan	21	6	21	5
Jack pine	-	-	-	-	Elm	185	56	185	42
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	182	55	182	41
Michigan	-	-	-	-	Michigan	3	1	3	1
Spruce	-	-	-	-	Beech	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Balsam	-	-	-	-	Oak	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Tamarack	-	-	-	-	Aspen	3,456	1,044	3,456	790
Minnesota	-	-	-	-	Minnesota	253	77	253	58
Wisconsin	-	-	-	-	Wisconsin	2,987	902	2,987	683
Michigan	-	-	-	-	Michigan	216	65	216	49
Cedar	-	-	-	-	Cottonwood	255	77	255	59
Minnesota	-	-	-	-	Minnesota	7	2	7	2
Wisconsin	-	-	-	-	Wisconsin	38	11	38	8
Michigan	-	-	-	-	Michigan	210	64	210	49
Hemlock	-	-	-	-	Ash	210	64	210	49
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	210	64	210	49
Michigan	-	-	-	-	Michigan	-	-	-	-
Softwood total	-	-	-	-	Hardwood total	6,061	1,832	6,061	1,388
Minnesota	-	-	-	-	Minnesota	314	95	314	72
Wisconsin	-	-	-	-	Wisconsin	5,222	1,578	5,222	1,195
Michigan	-	-	-	-	Michigan	525	159	525	121
Maple	565	171	565	41	All Species	6,061	1,832	6,061	1,388
Minnesota	-	-	-	-	Minnesota	314	95	314	72
Wisconsin	565	171	565	41	Wisconsin	5,222	1,578	5,222	1,195
Michigan	-	-	-	-	Michigan	525	159	525	121

Table 4. - Net timber drain resulting from pulpwood cutting in the Lake States - 1952

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	:M bd.ft.:M cu.ft.	:Sawtimber :M bd.ft.:M cu.ft.	:Poletimber: :M cu.ft.		:M bd.ft.:M cu.ft.	:Sawtimber :M bd.ft.:M cu.ft.	:Poletimber: :M cu.ft.
White pine	-	-	-	Birch	913	2,119	913
Minnesota	-	-	-	Wisconsin	84	195	84
Wisconsin	-	-	-	Michigan	527	1,222	23
Michigan	-	-	-		302	702	146
							84
Red pine	-	-	-	Basswood	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Jack pine	13,521	27,042	13,521	Elm	616	1,432	616
Minnesota	7,554	15,109	7,554	Minnesota	-	-	172
Wisconsin	3,702	7,404	3,702	Wisconsin	180	419	51
Michigan	2,265	4,529	2,265	Michigan	436	1,013	121
							892
Spruce	17,613	35,224	17,613	Beech	44	104	44
Minnesota	11,415	22,829	11,415	Minnesota	-	-	12
Wisconsin	1,518	3,035	1,518	Wisconsin	-	-	-
Michigan	4,680	9,360	4,680	Michigan	44	104	12
							92
Balsam	15,266	30,534	15,266	Oak	26	62	26
Minnesota	6,367	12,735	6,367	Minnesota	-	-	7
Wisconsin	2,956	5,912	2,956	Wisconsin	-	-	-
Michigan	5,943	11,887	5,943	Michigan	26	62	-
							55
Tamarack	559	1,118	559	Aspen	29,538	68,594	29,538
Minnesota	497	992	497	Minnesota	9,720	22,571	8,206
Wisconsin	55	111	55	Wisconsin	9,917	23,031	2,700
Michigan	7	15	7	Michigan	9,901	22,992	2,755
							20,276
Cedar	-	-	-	Cottonwood	-	-	2,751
Minnesota	-	-	-	Minnesota	-	-	20,241
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Hemlock	50,725	14,928	50,725	Miscellaneous	117	275	33
Minnesota	-	-	-	Minnesota	73	171	21
Wisconsin	17,507	5,151	17,507	Wisconsin	-	-	-
Michigan	33,218	9,777	33,218	Michigan	44	104	12
							92
Softwood total	97,684	108,846	97,684	Hardwood total	31,885	74,050	8,858
Minnesota	25,833	51,665	25,833	Minnesota	9,877	22,937	2,744
Wisconsin	25,738	21,613	25,738	Wisconsin	10,984	25,508	20,193
Michigan	46,113	35,568	46,113	Michigan	11,024	25,605	3,052
							22,456
Maple	631	1,464	631	All Species	129,569	182,896	33,073
Minnesota	-	-	-	Minnesota	35,710	74,602	129,569
Wisconsin	360	836	360	Wisconsin	36,722	47,121	35,710
Michigan	271	628	271	Michigan	57,137	61,173	10,626
							8,975
							13,472
							47,701

Table 5. - Net timber drain resulting from fuelwood cutting in the Lake States - 1952

Species and total	Net timber drain by size classes				Species and total	Net timber drain by size classes					
	Total		Sawtimber			Total		Sawtimber			
	M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.	M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.		M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.	M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.		
White pine	720	871	720	373	498	Birch	8,775	8,866	8,775	3,412	5,454
Minnesota	180	217	180	93	124	Minnesota	1,485	1,495	1,485	577	918
Wisconsin	300	290	240	124	166	Wisconsin	3,780	3,822	3,780	1,470	2,352
Michigan	240	364	300	156	208	Michigan	3,510	3,549	3,510	1,365	2,184
Red pine	600	724	600	309	415	Basswood	1,755	1,773	1,755	683	1,090
Minnesota	240	289	240	123	166	Minnesota	810	816	810	315	501
Wisconsin	240	290	240	124	166	Wisconsin	675	684	675	263	421
Michigan	120	145	120	62	83	Michigan	270	273	270	105	168
Jack pine	1,860	2,245	1,860	960	1,285	Elm	8,505	8,592	8,505	3,307	5,285
Minnesota	1,320	1,591	1,320	680	911	Minnesota	1,890	1,902	1,890	734	1,168
Wisconsin	420	509	420	218	291	Wisconsin	2,295	2,322	2,295	893	1,429
Michigan	120	145	120	62	83	Michigan	4,320	4,368	4,320	1,680	2,688
Spruce	180	217	180	93	124	Beech	3,240	3,278	3,240	1,261	2,017
Minnesota	60	72	60	31	41	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	-	Wisconsin	135	138	135	53	85
Michigan	120	145	120	62	83	Michigan	3,105	3,140	3,105	1,208	1,932
Balsam	120	144	120	62	82	Oak	26,865	27,145	26,865	10,447	16,698
Minnesota	60	72	60	31	41	Minnesota	4,725	4,757	4,725	1,836	2,921
Wisconsin	-	-	-	-	-	Wisconsin	16,065	16,245	16,065	6,248	9,997
Michigan	60	72	60	31	41	Michigan	6,075	6,143	6,075	2,363	3,780
Lamarack	480	579	480	248	331	Aspen	22,275	22,479	22,275	8,659	13,820
Minnesota	300	362	300	155	207	Minnesota	9,855	9,921	9,855	3,829	6,092
Wisconsin	120	145	120	62	83	Wisconsin	8,100	8,190	8,100	3,150	5,040
Michigan	60	72	60	31	41	Michigan	4,320	4,368	4,320	1,680	2,688
Cedar	240	292	240	125	167	Cottonwood	2,835	2,860	2,835	1,102	1,758
Minnesota	60	73	60	31	42	Minnesota	1,485	1,495	1,485	577	918
Wisconsin	60	74	60	32	42	Wisconsin	540	546	540	210	336
Michigan	120	145	120	62	83	Michigan	810	819	810	315	504
Hemlock	1,320	1,598	1,320	684	914	Miscellaneous	3,375	3,412	3,375	1,314	2,098
Minnesota	-	-	-	-	-	Minnesota	1,215	1,223	1,215	472	751
Wisconsin	420	509	420	218	291	Wisconsin	1,350	1,368	1,350	526	842
Michigan	900	1,089	900	466	623	Michigan	810	821	810	316	505
Softwood total	5,520	6,670	5,520	2,854	3,816	Hardwood total	96,795	97,792	96,795	37,642	60,150
Minnesota	2,220	2,676	2,220	1,144	1,532	Minnesota	21,735	21,883	21,735	8,446	13,437
Wisconsin	1,500	1,817	1,500	778	1,039	Wisconsin	41,580	42,051	41,580	16,173	25,878
Michigan	1,800	2,177	1,800	932	1,245	Michigan	33,480	33,858	33,480	13,023	20,835
Maple	19,170	19,387	19,170	7,457	11,930	All Species	102,315	104,462	102,315	40,496	63,966
Minnesota	270	274	270	106	168	Minnesota	23,955	24,559	23,955	9,590	14,969
Wisconsin	8,640	8,736	8,640	3,360	5,376	Wisconsin	43,080	43,868	43,080	16,951	26,917
Michigan	10,260	10,377	10,260	3,991	6,386	Michigan	35,280	36,035	35,280	13,955	22,080

Table 6. - Net timber drain resulting from cutting logs for piling in the Lake States - 1952

Species and total	Net timber drain by size classes				Species and total	Net timber drain by size classes			
	Total		Sawtimber			Total		Sawtimber	
	:M bd.ft.:	M cu.ft.:	:M bd.ft.:	M cu.ft.:		:M bd.ft.:	M cu.ft.:	:M bd.ft.:	M cu.ft.:
White pine	33	6	33	6	Birch	-	-	-	-
Minnesota	33	6	33	6	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Red pine	745	128	745	128	Basswood	-	-	-	-
Minnesota	602	104	602	104	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	143	24	143	24	Michigan	-	-	-	-
Jack pine	548	95	548	95	Elm	672	116	672	116
Minnesota	548	95	548	95	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	522	91	522	91
Michigan	-	-	-	-	Michigan	150	25	150	25
Spruce	-	-	-	-	Beech	122	21	122	21
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	122	21	122	21
Balsam	-	-	-	-	Oak	1,325	226	1,325	226
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	303	53	303	53
Michigan	-	-	-	-	Michigan	1,022	173	1,022	173
Tamarack	4	1	4	1	Aspen	-	-	-	-
Minnesota	4	1	4	1	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Cedar	-	-	-	-	Cottonwood	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Hemlock	-	-	-	-	Miscellaneous	132	23	132	23
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	17	3	17	3
Michigan	-	-	-	-	Michigan	115	20	115	20
Softwood total	1,330	230	1,330	230	Hardwood total	2,369	404	2,369	404
Minnesota	1,187	206	1,187	206	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	875	152	875	152
Michigan	-	-	-	-	Michigan	1,494	252	1,494	252
Maple	118	18	118	18	All Species	3,699	634	3,699	634
Minnesota	-	-	-	-	Minnesota	1,187	206	1,187	206
Wisconsin	33	5	33	5	Wisconsin	875	152	875	152
Michigan	85	13	85	13	Michigan	1,637	276	1,637	276

Table 7. - Net timber drain resulting from cutting chemical wood in the Lake States - 1952

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	:M bd.ft.:M cu.ft.	:Sawtimber :M bd.ft.:M cu.ft.	:Poletimber :M cu.ft.		:M bd.ft.:M cu.ft.	:Sawtimber :M bd.ft.:M cu.ft.	:Poletimber :M cu.ft.
White pine	-	-	-	Birch	2,928	845	744
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	125	36	32
Michigan	-	-	-	Michigan	2,803	809	712
Red pine	-	-	-	Basswood	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Jack pine	-	-	-	Elm	312	89	78
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	26	7	6
Michigan	-	-	-	Michigan	286	82	72
Spruce	-	-	-	Beech	962	275	242
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	42	11	10
Michigan	-	-	-	Michigan	920	264	232
Balsam	-	-	-	Oak	338	97	85
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	31	9	8
Michigan	-	-	-	Michigan	307	88	77
Tamarack	-	-	-	Aspen	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Cedar	-	-	-	Ash	333	95	83
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	26	7	6
Michigan	-	-	-	Michigan	307	88	77
Hemlock	-	-	-	Miscellaneous	52	12	10
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	52	12	10
Softwood total	-	-	-	Hardwood total	10,603	3,051	2,683
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	520	149	131
Michigan	-	-	-	Michigan	10,083	2,902	2,552
Maple	5,678	1,638	1,441	All Species	10,603	3,051	2,683
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	270	79	69	Wisconsin	520	149	131
Michigan	5,408	1,559	1,372	Michigan	10,083	2,902	2,552

Table 8. - Net timber drain resulting from cutting excelsior bolts in the Lake States - 1952

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	Total	Sawtimber	Pole/timber		Total	Sawtimber	Pole/timber
	M bd.ft.; M cu.ft.; M bd.ft.; M cu.ft.	M bd.ft.; M cu.ft.; M bd.ft.; M cu.ft.	M cu.ft.; M cu.ft.		M bd.ft.; M cu.ft.; M bd.ft.; M cu.ft.	M bd.ft.; M cu.ft.; M bd.ft.; M cu.ft.	M cu.ft.; M cu.ft.
White pine	-	-	-	Birch	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Red pine	-	-	-	Basswood	45	339	45
Minnesota	-	-	-	Minnesota	1	8	1
Wisconsin	-	-	-	Wisconsin	42	315	42
Michigan	-	-	-	Michigan	2	16	2
Jack pine	-	-	-	Elm	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Spruce	-	-	-	Beech	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Balsam	-	-	-	Oak	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Tamarack	-	-	-	Aspen	853	6,426	853
Minnesota	-	-	-	Minnesota	7	49	7
Wisconsin	-	-	-	Wisconsin	415	3,133	415
Michigan	-	-	-	Michigan	431	3,244	431
Cedar	-	-	-	Cottonwood	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Hemlock	-	-	-	Miscellaneous	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	-	-	-	Michigan	-	-	-
Softwood total	-	-	-	Hardwood total	898	6,765	898
Minnesota	-	-	-	Minnesota	8	57	8
Wisconsin	-	-	-	Wisconsin	457	3,448	457
Michigan	-	-	-	Michigan	433	3,260	433
Maple	-	-	-	All Species	898	6,765	898
Minnesota	-	-	-	Minnesota	8	57	8
Wisconsin	-	-	-	Wisconsin	457	3,448	457
Michigan	-	-	-	Michigan	433	3,260	433

Table 9. - Net timber drain resulting from fence post cutting in the Lake States - 1952

Species and total	Net timber drain by size class				Species and total	Net timber drain by size class			
	Total :M bd.ft.:M cu.ft.:	Sawtimber :M bd.ft.:M cu.ft.:	Poletimber: :M cu.ft.:			Total :M bd.ft.:M cu.ft.:	Sawtimber :M bd.ft.:M cu.ft.:	Poletimber: :M cu.ft.:	
White pine	-	-	-	-	Birch	40	42	40	14
Minnesota	-	-	-	-	Minnesota	9	7	9	3
Wisconsin	-	-	-	-	Wisconsin	31	35	31	11
Michigan	-	-	-	-	Michigan	-	-	-	-
Red pine	94	94	33	61	Basswood	-	-	-	-
Minnesota	94	94	33	61	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Jack pine	286	288	101	187	Elm	60	65	60	20
Minnesota	270	273	96	177	Minnesota	12	13	12	4
Wisconsin	16	15	5	10	Wisconsin	24	26	24	8
Michigan	-	-	-	-	Michigan	24	26	24	8
Spruce	4	3	1	2	Beech	-	-	-	-
Minnesota	4	3	1	2	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Balsam	37	37	13	24	Oak	6,220	6,842	6,220	2,143
Minnesota	37	37	13	24	Minnesota	2,041	2,245	2,041	703
Wisconsin	-	-	-	-	Wisconsin	2,952	3,247	2,952	1,017
Michigan	-	-	-	-	Michigan	1,227	1,350	1,227	423
Tamarack	682	688	243	445	Aspen	345	378	345	118
Minnesota	307	310	109	201	Minnesota	168	185	168	58
Wisconsin	375	378	134	244	Wisconsin	132	144	132	45
Michigan	-	-	-	-	Michigan	45	49	45	15
Cedar	7,627	7,713	2,713	5,000	Cottonwood	12	10	12	3
Minnesota	781	789	278	511	Minnesota	8	7	8	2
Wisconsin	2,363	2,389	840	1,549	Wisconsin	4	3	4	1
Michigan	4,483	4,535	1,595	2,940	Michigan	-	-	-	-
Hemlock	16	16	5	11	Miscellaneous	62	68	62	21
Minnesota	-	-	-	-	Minnesota	32	37	32	12
Wisconsin	16	16	5	11	Wisconsin	16	17	16	5
Michigan	-	-	-	-	Michigan	14	14	14	4
Softwood total	8,746	8,839	3,109	5,730	Hardwood total	6,840	7,516	6,840	2,354
Minnesota	1,493	1,506	530	976	Minnesota	2,323	2,552	2,323	801
Wisconsin	2,770	2,798	984	1,814	Wisconsin	3,201	3,519	3,201	1,101
Michigan	4,483	4,535	1,595	2,940	Michigan	1,316	1,445	1,316	452
Maple	101	111	35	76	All Species	15,586	16,355	15,586	5,463
Minnesota	53	58	19	39	Minnesota	3,816	4,058	3,816	1,331
Wisconsin	42	47	14	33	Wisconsin	5,971	6,317	5,971	2,085
Michigan	6	6	2	4	Michigan	5,799	5,980	5,799	2,047

Table 11. - Net timber drain resulting from cutting hewn ties in the Lake States - 1952

Species and total	Net timber drain by size classes				Species and total	Net timber drain by size classes				
	Total		Sawtimber			Total		Sawtimber		
	M bd.ft.:M cu.ft.	M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.	Poletimber:		M bd.ft.:M cu.ft.	M bd.ft.:M cu.ft.	M cu.ft.:M cu.ft.	Poletimber	
White pine	-	-	-	-	Birch	41	12	41	9	2
Minnesota	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-	-
Michigan	-	-	-	-	Michigan	41	12	41	9	2
Red pine	-	-	-	-	Basswood	-	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-	-
Jack pine	-	-	-	-	Elm	-	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-	-
Spruce	-	-	-	-	Beech	-	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-	-
Balsam	-	-	-	-	Oak	-	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-	-
Tamarack	72	26	72	17	Aspen	-	-	-	-	-
Minnesota	53	19	53	12	Minnesota	-	-	-	-	-
Wisconsin	9	4	9	3	Wisconsin	-	-	-	-	-
Michigan	10	3	10	2	Michigan	-	-	-	-	-
Cedar	199	71	199	45	Cottonwood	-	-	-	-	-
Minnesota	54	18	54	12	Minnesota	-	-	-	-	-
Wisconsin	20	7	20	4	Wisconsin	-	-	-	-	-
Michigan	125	46	125	29	Michigan	-	-	-	-	-
Hemlock	20	7	20	4	Ash	3	1	3	1	-
Minnesota	-	-	-	-	Minnesota	3	1	3	1	-
Wisconsin	15	5	15	3	Wisconsin	-	-	-	-	-
Michigan	291	104	291	66	Michigan	-	-	-	-	-
Softwood total	291	104	291	66	Hardwood total	130	38	130	30	8
Minnesota	107	37	107	24	Minnesota	9	2	9	2	-
Wisconsin	34	13	34	8	Wisconsin	3	1	3	1	-
Michigan	150	54	150	34	Michigan	118	35	118	27	8
Maple	86	25	86	20	All Species	421	142	421	96	46
Minnesota	6	1	6	1	Minnesota	116	39	116	26	13
Wisconsin	3	1	3	1	Wisconsin	37	14	37	9	5
Michigan	77	23	77	18	Michigan	268	89	268	61	28

Table 12. - Net timber drain resulting from cutting logs and bolts for mine materials in Lake States - 1952

Species and total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	M bd.ft.	M cu.ft.	Total		M bd.ft.	M cu.ft.	Total
White pine	133	53	133	Birch	1,408	392	1,408
Minnesota	28	11	28	Minnesota	35	10	35
Wisconsin	-	-	-	Wisconsin	76	21	76
Michigan	105	42	105	Michigan	1,297	361	1,297
Red pine	123	50	123	Basswood	-	-	-
Minnesota	120	49	120	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	3	1	3	Michigan	-	-	-
Jack pine	1,525	624	1,525	Elm	464	130	464
Minnesota	1,525	624	1,525	Minnesota	215	60	215
Wisconsin	-	-	-	Wisconsin	29	8	29
Michigan	-	-	-	Michigan	220	62	220
Spruce	46	19	46	Beech	248	70	248
Minnesota	41	17	41	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	-	-
Michigan	5	2	5	Michigan	248	70	248
Balsam	-	-	-	Oak	74	20	74
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	19	5	19
Michigan	-	-	-	Michigan	55	15	55
Tamarack	4,359	1,782	4,359	Aspen	-	-	-
Minnesota	1,526	624	1,526	Minnesota	-	-	-
Wisconsin	233	95	233	Wisconsin	-	-	-
Michigan	2,600	1,063	2,600	Michigan	-	-	-
Cedar	4,686	1,915	4,686	Ash	359	99	359
Minnesota	728	297	728	Minnesota	359	99	359
Wisconsin	348	143	348	Wisconsin	-	-	-
Michigan	3,610	1,475	3,610	Michigan	-	-	-
Hemlock	535	219	535	Miscellaneous	-	-	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	84	34	84	Wisconsin	-	-	-
Michigan	451	185	451	Michigan	-	-	-
Softwood total	11,407	4,662	11,407	Hardwood total	7,430	2,072	7,430
Minnesota	3,968	1,622	3,968	Minnesota	720	200	720
Wisconsin	665	272	665	Wisconsin	267	74	267
Michigan	6,774	2,768	6,774	Michigan	6,443	1,798	6,443
Maple	4,877	1,361	4,877	All Species	18,837	6,734	18,837
Minnesota	111	31	111	Minnesota	4,688	1,822	4,688
Wisconsin	143	40	143	Wisconsin	932	346	932
Michigan	4,623	1,290	4,623	Michigan	13,217	4,566	13,217

Table 13. - Net timber drain resulting from cutting cooperate logs & bolts in the Lake States - 1952

Species and total	Net timber drain by size classes				Species and total	Net timber drain by size classes			
	Total		Sawtimber			Total		Sawtimber	
	:M bd.ft.:	M cu.ft.:	:M bd.ft.:	M cu.ft.:		:M bd.ft.:	M cu.ft.:	:M bd.ft.:	M cu.ft.:
White pine	-	-	-	-	Birch	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Red pine	-	-	-	-	Basswood	61	11	61	11
Minnesota	-	-	-	-	Minnesota	19	3	19	3
Wisconsin	-	-	-	-	Wisconsin	42	8	42	8
Michigan	-	-	-	-	Michigan	-	-	-	-
Jack pine	-	-	-	-	Elm	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Spruce	-	-	-	-	Beech	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Balsam	-	-	-	-	Oak	1,660	287	1,660	287
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	1,660	287	1,660	287
Michigan	-	-	-	-	Michigan	-	-	-	-
Tamarack	-	-	-	-	Aspen	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Cedar	-	-	-	-	Cottonwood	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Hemlock	-	-	-	-	Miscellaneous	-	-	-	-
Minnesota	-	-	-	-	Minnesota	-	-	-	-
Wisconsin	-	-	-	-	Wisconsin	-	-	-	-
Michigan	-	-	-	-	Michigan	-	-	-	-
Softwood total	-	-	-	-	Hardwood total	1,721	298	1,721	298
Minnesota	-	-	-	-	Minnesota	19	3	19	3
Wisconsin	-	-	-	-	Wisconsin	1,702	295	1,702	295
Michigan	-	-	-	-	Michigan	-	-	-	-
Maple	-	-	-	-	All Species	1,721	298	1,721	298
Minnesota	-	-	-	-	Minnesota	19	3	19	3
Wisconsin	-	-	-	-	Wisconsin	1,702	295	1,702	295
Michigan	-	-	-	-	Michigan	-	-	-	-

Table 14. - Net timber drain resulting from cutting miscellaneous rough forest products - 1952

Species and total	Net timber drain by size classes					Species and total	Net timber drain by size classes				
	Total		Sawtimber				Total		Sawtimber		
	:M bd.ft.:M cu.ft.:	:M bd.ft.:M cu.ft.:	:M bd.ft.:M cu.ft.:	:Poletimber: :M cu.ft.:	:Poletimber: :M cu.ft.:		:M bd.ft.:M cu.ft.:	:M bd.ft.:M cu.ft.:	:M bd.ft.:M cu.ft.:	:Poletimber: :M cu.ft.:	
White pine	540	195	540	120	75	Birch	1,790	540	1,790	415	125
Minnesota	180	65	180	40	25	Minnesota	1,520	460	1,520	350	110
Wisconsin	180	65	180	40	25	Wisconsin	225	70	225	55	15
Michigan	180	65	180	40	25	Michigan	45	10	45	10	-
Red pine	325	120	325	75	45	Basswood	675	195	675	150	45
Minnesota	145	55	145	35	20	Minnesota	315	90	315	70	20
Wisconsin	70	25	70	15	10	Wisconsin	270	80	270	60	20
Michigan	110	40	110	25	15	Michigan	90	25	90	20	5
Jack pine	690	245	690	155	90	Elm	315	95	315	75	20
Minnesota	290	105	290	65	40	Minnesota	-	-	-	-	-
Wisconsin	145	55	145	35	20	Wisconsin	-	-	-	-	-
Michigan	255	85	255	55	30	Michigan	315	95	315	75	20
Spruce	175	55	175	35	20	Beech	2,700	815	2,700	615	200
Minnesota	70	20	70	15	5	Minnesota	-	-	-	-	-
Wisconsin	35	10	35	5	5	Wisconsin	-	-	-	-	-
Michigan	70	25	70	15	10	Michigan	2,700	815	2,700	615	200
Balsam	465	165	465	105	60	Oak	400	125	400	105	20
Minnesota	180	65	180	40	25	Minnesota	40	10	40	10	-
Wisconsin	70	25	70	15	10	Wisconsin	45	20	45	20	-
Michigan	215	75	215	50	25	Michigan	315	95	315	75	20
Tamarack	175	55	175	35	20	Aspen	9,990	3,005	9,990	2,280	725
Minnesota	70	20	70	15	5	Minnesota	7,740	2,320	7,740	1,760	560
Wisconsin	35	10	35	5	5	Wisconsin	1,530	460	1,530	350	110
Michigan	70	25	70	15	10	Michigan	720	225	720	170	55
Cedar	2,235	805	2,235	510	295	Cottonwood	-	-	-	-	-
Minnesota	290	105	290	65	40	Minnesota	-	-	-	-	-
Wisconsin	505	180	505	115	65	Wisconsin	-	-	-	-	-
Michigan	1,440	520	1,440	330	190	Michigan	-	-	-	-	-
Hemlock	140	50	140	30	20	Miscellaneous	45	10	45	10	-
Minnesota	-	-	-	-	-	Minnesota	-	-	-	-	-
Wisconsin	70	25	70	15	10	Wisconsin	-	-	-	-	-
Michigan	70	25	70	15	10	Michigan	45	10	45	10	-
Softwood total	4,745	1,690	4,745	1,065	625	Hardwood total	19,290	5,805	19,290	4,430	1,375
Minnesota	1,225	435	1,225	275	160	Minnesota	9,615	2,880	9,615	2,190	690
Wisconsin	1,110	395	1,110	245	150	Wisconsin	2,970	900	2,970	695	205
Michigan	2,410	860	2,410	545	315	Michigan	6,705	2,025	6,705	1,545	480
Maple	3,375	1,020	3,375	780	240	All Species	24,035	7,495	24,035	5,495	2,000
Minnesota	-	-	-	-	-	Minnesota	10,840	3,315	10,840	2,465	850
Wisconsin	900	270	900	210	60	Wisconsin	4,080	1,295	4,080	940	355
Michigan	2,475	750	2,475	570	180	Michigan	9,115	2,885	9,115	2,090	795

Table 15. - Total net timber drain resulting from cutting in the Lake States - 1952

Species and Total	Net timber drain by size classes			Species and total	Net timber drain by size classes		
	:M bd.ft.:M cu.ft.:	Sawtimber :M bd.ft.:M cu.ft.:	:Poletimber: :M cu.ft.:		:M bd.ft.:M cu.ft.:	Sawtimber :M bd.ft.:M cu.ft.:	:Poletimber: :M cu.ft.:
White pine	50,797	12,133	50,797	9,872	2,261	92,429	27,781
Minnesota	19,434	4,542	19,434	3,743	799	8,561	3,258
Wisconsin	18,833	4,463	18,833	3,647	816	25,430	9,270
Michigan	12,530	3,128	12,530	2,482	646	58,438	15,253
Red pine	39,525	9,553	39,525	7,704	1,849	59,400	13,621
Minnesota	23,894	5,691	23,894	4,626	1,065	13,404	3,309
Wisconsin	11,351	2,781	11,351	2,228	553	27,806	6,486
Michigan	4,280	1,081	4,280	850	231	18,190	3,826
Jack pine	71,710	42,536	71,710	15,959	26,577	83,720	24,922
Minnesota	47,440	25,920	47,440	10,482	15,438	11,683	3,882
Wisconsin	11,248	9,539	11,248	2,705	6,834	33,433	8,792
Michigan	13,022	7,077	13,022	2,772	4,305	38,604	12,248
Spruce	24,642	36,998	24,642	6,769	30,229	35,036	10,081
Minnesota	14,653	23,625	14,653	4,121	19,504	-	-
Wisconsin	2,283	3,208	2,283	606	2,602	1,393	395
Michigan	7,706	10,165	7,706	2,042	8,123	33,643	9,686
Balsam	19,149	31,607	19,149	5,455	26,152	157,274	59,041
Minnesota	8,875	13,407	8,875	2,449	10,958	26,943	11,067
Wisconsin	3,584	6,061	3,584	1,022	5,039	77,567	31,208
Michigan	6,690	12,139	6,690	1,984	10,155	52,764	16,766
Tamarack	8,416	4,714	8,416	2,321	2,393	122,221	132,008
Minnesota	3,640	2,525	3,640	1,034	1,491	44,532	44,086
Wisconsin	1,557	906	1,557	424	482	46,341	48,451
Michigan	3,219	1,283	3,219	863	420	31,348	39,471
Cedar	24,532	13,575	24,532	6,616	6,969	13,226	4,951
Minnesota	6,552	2,801	6,552	1,551	1,250	6,842	2,548
Wisconsin	4,819	3,203	4,819	1,388	1,815	2,940	1,029
Michigan	13,161	7,571	13,161	3,677	3,894	3,444	1,374
Hemlock	145,188	37,450	145,188	28,241	9,209	23,845	7,849
Minnesota	-	-	-	-	-	3,803	1,956
Wisconsin	49,959	12,849	49,959	9,698	3,151	8,822	2,864
Michigan	95,229	24,601	95,229	18,543	6,058	11,220	3,029
Softwood total	383,959	188,566	383,959	82,937	105,629	858,176	352,616
Minnesota	124,488	78,511	124,488	28,006	50,505	118,464	70,901
Wisconsin	103,634	43,010	103,634	21,718	21,292	300,532	131,797
Michigan	155,837	67,045	155,837	33,213	33,832	439,180	149,918
Maple	271,025	72,362	271,025	54,442	17,920	1,242,135	541,182
Minnesota	2,696	795	2,696	556	239	242,952	149,412
Wisconsin	76,800	23,302	76,800	15,968	7,334	404,166	174,807
Michigan	191,529	48,265	191,529	37,918	10,347	595,017	216,963

FOREST PRODUCTS HARVESTED

1952

Table 16. - Sawlog and sawbolt production in the Lake States - 1952

Species and origin	Volume cut and destination				Species and origin	Volume cut and destination			
	Total	Minn.	Wis.	Mich.		Total	Minn.	Wis.	Mich.
M bd.ft., Int'l 1 1/4-inch					M bd.ft., Int'l 1 1/4-inch				
White pine	57,250	22,150	22,000	13,100	Basswood	48,770	9,370	24,400	15,000
Minn.	22,150	22,150	-	-	Minn.	9,770	9,370	400	-
Wis.	21,400	-	21,400	-	Wis.	23,350	-	23,300	50
Mich.	13,700	-	600	13,100	Mich.	15,650	-	700	14,950
Red pine	43,600	26,200	13,000	4,400	Elm	65,780	9,080	24,800	31,900
Minn.	26,200	26,200	-	-	Minn.	9,280	9,080	200	-
Wis.	12,850	-	12,850	-	Wis.	23,800	-	23,800	-
Mich.	4,550	-	150	4,400	Mich.	32,700	-	800	31,900
Jack pine	61,380	41,180	8,200	12,000	Beech	26,500	-	1,500	25,000
Minn.	41,180	41,180	-	-	Minn.	-	-	-	-
Wis.	8,100	-	8,100	-	Wis.	1,300	-	1,300	-
Mich.	12,100	-	100	12,000	Mich.	25,200	-	200	25,000
Spruce	7,720	3,570	950	3,200	Oak	124,830	20,630	58,000	46,200
Minn.	3,570	3,570	-	-	Minn.	20,930	20,630	300	-
Wis.	850	-	850	-	Wis.	57,400	-	57,400	-
Mich.	3,300	-	100	3,200	Mich.	46,500	-	300	46,200
Balsam	3,800	2,600	650	550	Aspen	131,200	38,900	54,900	37,400
Minn.	2,600	2,600	-	-	Minn.	38,900	38,900	-	-
Wis.	650	-	650	-	Wis.	55,000	-	53,900	1,100
Mich.	550	-	-	550	Mich.	37,300	-	1,000	36,300
Tamarack	2,420	1,020	850	550	Ash	13,690	1,790	5,800	6,100
Minn.	1,020	1,020	-	-	Minn.	1,790	1,790	-	-
Wis.	850	-	850	-	Wis.	5,550	-	5,500	50
Mich.	550	-	-	550	Mich.	6,350	-	300	6,050
Cedar	6,680	2,080	1,350	3,250	Cottonwood	9,270	4,020	2,650	2,600
Minn.	2,080	2,080	-	-	Minn.	4,420	4,020	400	-
Wis.	1,300	-	1,300	-	Wis.	2,250	-	2,250	-
Mich.	3,300	-	50	3,250	Mich.	2,600	-	-	2,600
Hemlock	107,550	-	41,350	66,200	Walnut	560	200	50	310
Minn.	-	-	-	-	Minn.	200	200	-	-
Wis.	36,950	-	36,650	300	Wis.	50	-	50	-
Mich.	70,600	-	4,700	65,900	Mich.	310	-	-	310
Softwoods	290,400	98,800	88,350	103,250	Misc.	3,350	150	300	2,900
Minn.	98,800	98,800	-	-	Minn.	150	150	-	-
Wis.	82,950	-	82,650	300	Wis.	300	-	300	-
Mich.	108,650	-	5,700	102,950	Mich.	2,900	-	-	2,900
Maple	229,560	1,310	74,150	154,100	Hardwoods	715,610	90,950	269,650	355,010
Minn.	1,510	1,310	200	-	Minn.	92,450	90,950	1,500	-
Wis.	63,250	-	62,950	300	Wis.	249,150	-	247,650	1,500
Mich.	164,800	-	11,000	153,800	Mich.	374,010	-	20,500	353,510
Birch	62,100	5,500	23,100	33,500	All Species	1,006,010	189,750	358,000	458,260
Minn.	5,500	5,500	-	-	Minn.	191,250	189,750	1,500	-
Wis.	16,900	-	16,900	-	Wis.	332,100	-	330,300	1,800
Mich.	39,700	-	6,200	33,500	Mich.	482,660	-	26,200	456,460

Table 17. - Veneer log production and imports in the Lake States - 1952

Species and origin	Volume cut and destination					Imports			Total receipts
	Total	Minn.	Wis.	Mich.	U.S.	U.S.	Other : Canada	Foreign	
		M bd.ft.				M bd.ft.			
		Int'l 1/4-inch				Int'l 1/4-inch			
White pine	238	8	49	181	-	-	28		266
Minn.	8	8	-	-	-	-	-		8
Wis.	49	-	49	-	-	-	-		49
Mich.	181	-	-	181	-	-	28		209
Hemlock	145	-	145	-	-	-	-		145
Minn.	-	-	-	-	-	-	-		-
Wis.	145	-	145	-	-	-	-		145
Mich.	-	-	-	-	-	-	-		-
Softwoods	383	8	194	181	-	-	28		411
Minn.	8	8	-	-	-	-	-		8
Wis.	194	-	194	-	-	-	-		194
Mich.	181	-	-	181	-	-	28		209
Maple	23,801	41	14,373	9,278	109	392	790		24,874
Minn.	831	41	790	-	-	-	-		41
Wis.	7,233	-	7,233	-	-	392	548		15,313
Mich.	15,737	-	6,350	9,278	109	-	242		9,520
Birch	18,237	96	10,755	7,386	-	12	8,840		27,089
Minn.	344	96	83	165	-	-	-		96
Wis.	4,669	-	4,414	255	-	12	6,705		17,472
Mich.	13,224	-	6,258	6,966	-	-	2,135		9,521
Basswood	10,385	1,041	7,082	2,262	-	540	25		10,950
Minn.	3,072	1,041	1,918	113	-	-	-		1,041
Wis.	4,068	-	4,068	-	-	540	25		7,647
Mich.	3,245	-	1,096	2,149	-	-	-		2,262
Elm	11,474	442	9,009	2,014	9	257	23		11,745
Minn.	971	431	540	-	-	-	-		442
Wis.	7,909	11	7,898	-	-	257	-		9,266
Mich.	2,594	-	571	2,014	9	-	23		2,037
Beech	3,157	-	917	2,240	-	-	-		3,157
Minn.	-	-	-	-	-	-	-		-
Wis.	16	-	16	-	-	-	-		917
Mich.	3,141	-	901	2,240	-	-	-		2,240
Oak	5,067	-	3,704	1,229	134	309	111		5,353
Minn.	806	-	806	-	-	-	-		-
Wis.	3,431	-	2,640	791	-	309	106		4,119
Mich.	830	-	258	438	134	-	5		1,234
Aspen	1,390	164	964	262	-	2	3		1,395
Minn.	657	164	493	-	-	-	-		164
Wis.	471	-	471	-	-	2	3		969
Mich.	262	-	-	262	-	-	-		262
Miscellaneous	4,332	72	3,502	612	146	654	97		4,937
Minn.	1,362	72	1,196	63	31	-	-		72
Wis.	1,965	-	1,965	-	-	4	97		3,603
Mich.	1,005	-	341	549	115	650	-		1,262
Hardwoods	77,843	1,856	50,306	25,283	398	2,166	9,889		89,500
Minn.	8,043	1,845	5,826	341	31	-	-		1,856
Wis.	29,762	11	28,705	1,046	-	1,516	7,484		59,306
Mich.	40,038	-	15,775	23,896	367	650	2,405		28,338
All Species	78,226	1,864	50,500	25,464	398	2,166	9,917		89,911
Minn.	8,051	1,853	5,826	341	31	-	-		1,864
Wis.	29,956	11	28,899	1,046	-	1,516	7,484		59,500
Mich.	40,219	-	15,775	24,077	367	650	2,433		28,547

Table 18. - Cooperaage log production in the Lake States - 1952

Species and origin	:	Volume cut and destination					:	Other		
	:	Total	:	Minn.	:	Wis.	:	Mich.	:	U. S.
<hr/>										
<u>M bd.ft. Int'l 1/4-inch</u>										
Basswood		40		-		40		-		-
Minnesota		-		-		-		-		-
Wisconsin		40		-		40		-		-
Michigan		-		-		-		-		-
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Oak		1,599		-		1,599		-		-
Minnesota		18		-		18		-		-
Wisconsin		1,581		-		1,581		-		-
Michigan		-		-		-		-		-
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Hardwoods		1,639		-		1,639		-		-
Minnesota		18		-		18		-		-
Wisconsin		1,621		-		1,621		-		-
Michigan		-		-		-		-		-
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All Species		1,639		-		1,639		-		-
Minnesota		18		-		18		-		-
Wisconsin		1,621		-		1,621		-		-
Michigan		-		-		-		-		-

Table 19. - Pulpwood production and imports in the Lake States - 1952

Species and origin	Volume cut and destination					Imports		
	Total	Minn.	Wis.	Mich.	U. S.	Other : U. S.	Foreign : Canada	Total receipts
	Std.cds. (rough wood)					Std.cds. (rough wood)		
Jack pine	346,687	105,094	192,711	48,882	-	128,736	124,146	599,569
Minn.	193,693	104,969	87,436	1,288	-	-	48,719	153,813
Wis.	94,916	125	91,934	2,857	-	128,736	43,707	365,154
Mich.	58,078	-	13,341	44,737	-	-	31,720	80,602
Spruce	451,592	142,060	275,874	33,658	-	4,361	583,005	1,038,958
Minn.	292,676	142,060	150,491	125	-	-	49,086	191,146
Wis.	38,910	-	38,910	-	-	2,865	453,332	732,071
Mich.	120,006	-	86,473	33,533	-	1,496	80,587	115,741
Balsam	391,461	62,043	282,928	46,490	-	26	26,487	417,974
Minn.	163,267	62,043	101,224	-	-	-	240	62,283
Wis.	75,795	-	75,795	-	-	26	4,573	287,527
Mich.	152,399	-	105,909	46,490	-	-	21,674	68,164
Tamarack	14,340	8,874	5,466	-	-	225	141	14,706
Minn.	12,731	8,874	3,857	-	-	-	141	9,015
Wis.	1,412	-	1,412	-	-	225	-	5,691
Mich.	197	-	197	-	-	-	-	-
Hemlock	190,660	-	130,854	59,806	-	-	-	190,660
Minn.	-	-	-	-	-	-	-	-
Wis.	65,793	-	63,681	2,112	-	-	-	130,854
Mich.	124,867	-	67,173	57,694	-	-	-	59,806
Softwoods	1,394,740	318,071	887,833	188,836	-	133,348	733,779	2,261,867
Minn.	662,367	317,946	343,008	1,413	-	-	98,186	416,257
Wis.	276,826	125	271,732	4,969	-	131,852	501,612	1,521,297
Mich.	455,547	-	273,093	182,454	-	1,496	133,981	324,313
Maple	17,507	-	10,496	7,011	-	-	-	17,507
Minn.	-	-	-	-	-	-	-	-
Wis.	10,000	-	10,000	-	-	-	-	10,496
Mich.	7,507	-	496	7,011	-	-	-	7,011
Birch	25,356	19	25,337	-	-	-	7,202	32,558
Minn.	2,342	19	2,323	-	-	-	-	19
Wis.	14,627	-	14,627	-	-	-	6,599	31,936
Mich.	8,387	-	8,387	-	-	-	603	603
Elm	17,121	-	5,000	12,121	-	-	-	17,121
Minn.	-	-	-	-	-	-	-	-
Wis.	5,000	-	5,000	-	-	-	-	5,000
Mich.	12,121	-	-	12,121	-	-	-	12,121
Beech	1,241	-	-	1,241	-	-	-	1,241
Minn.	-	-	-	-	-	-	-	-
Wis.	-	-	-	-	-	-	-	-
Mich.	1,241	-	-	1,241	-	-	-	1,241
Oak	745	-	-	745	-	-	-	745
Minn.	-	-	-	-	-	-	-	-
Wis.	-	-	-	-	-	-	-	-
Mich.	745	-	-	745	-	-	-	745
Aspen	820,507	240,969	475,186	85,343	19,009	-	92,255	893,753
Minn.	269,992	234,502	35,490	-	-	-	60,752	301,721
Wis.	275,499	6,467	269,032	-	-	-	14,736	489,922
Mich.	275,016	-	170,664	85,343	19,009	-	16,767	102,110
Misc.	3,283	2,042	-	1,241	-	-	-	3,283
Minn.	2,042	2,042	-	-	-	-	-	2,042
Wis.	-	-	-	-	-	-	-	-
Mich.	1,241	-	-	1,241	-	-	-	1,241
Hardwoods	885,760	243,030	516,019	107,702	19,009	-	99,457	966,208
Minn.	274,376	236,563	37,813	-	-	-	60,752	303,782
Wis.	305,126	6,467	298,659	-	-	-	21,335	537,354
Mich.	306,258	-	179,547	107,702	19,009	-	17,370	125,072
All Species	2,280,500	561,101	1,403,852	296,538	19,009	133,348	833,236	3,228,075
Minn.	936,743	554,509	380,821	1,413	-	-	158,938	720,039
Wis.	581,952	6,592	570,391	4,969	-	131,852	522,947	2,058,651
Mich.	761,805	-	452,640	290,156	19,009	1,496	151,351	449,385

Table 20. - Production of fuelwood, chemical wood, excelsior bolts
in the Lake States - 1952

Species	Volume cut			Species	Volume cut		
and	1/			and	1/		
origin	Fuelwood	wood	Excelsior	origin	Fuelwood	wood	Excelsior
Standard Cords				Standard Cords			
White pine	26,000	-	-	Basswood	45,000	-	4,005
Minnesota	6,000	-	-	Minnesota	25,000	-	104
Wisconsin	5,000	-	-	Wisconsin	15,000	-	3,710
Michigan	15,000	-	-	Michigan	5,000	-	191
Red pine	17,000	-	-	Cherry	-	376	-
Minnesota	7,000	-	-	Minnesota	-	-	-
Wisconsin	5,000	-	-	Wisconsin	-	-	-
Michigan	5,000	-	-	Michigan	-	376	-
Jack pine	120,000	-	-	Elm	283,000	2,400	-
Minnesota	85,000	-	-	Minnesota	58,000	-	-
Wisconsin	30,000	-	-	Wisconsin	75,000	200	-
Michigan	5,000	-	-	Michigan	150,000	2,200	-
Spruce	6,000	-	-	Beech	110,000	7,393	-
Minnesota	1,000	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	5,000	320	-
Michigan	5,000	-	-	Michigan	105,000	7,073	-
Balsam	6,000	-	-	Oak	942,000	2,580	-
Minnesota	1,000	-	-	Minnesota	167,000	-	-
Wisconsin	-	-	-	Wisconsin	565,000	240	-
Michigan	5,000	-	-	Michigan	210,000	2,340	-
Tamarack	39,000	-	-	Aspen	851,000 2/	-	75,782
Minnesota	24,000	-	-	Minnesota	386,000	-	588
Wisconsin	10,000	-	-	Wisconsin	290,000	-	36,945
Michigan	5,000	-	-	Michigan	175,000	-	38,249
Cedar	10,000	-	-	Ash	-	2,560	-
Minnesota	5,000	-	-	Minnesota	-	-	-
Wisconsin	-	-	-	Wisconsin	-	200	-
Michigan	5,000	-	-	Michigan	-	2,360	-
Hemlock	20,000	-	-	Slabs, veneer	-	94,723	-
Minnesota	-	-	-	cores, etc.	-	-	-
Wisconsin	5,000	-	-	Minnesota	-	-	-
Michigan	15,000	-	-	Wisconsin	-	8,000	-
				Michigan	-	86,723	-
Softwoods	244,000	-	-	Miscellaneous	108,000	-	-
Minnesota	129,000	-	-	Minnesota	38,000	-	-
Wisconsin	55,000	-	-	Wisconsin	45,000	-	-
Michigan	60,000	-	-	Michigan	25,000	-	-
Maple	615,000	43,699	-	Hardwoods	3,243,000	176,248	79,787
Minnesota	10,000	-	-	Minnesota	733,000	-	692
Wisconsin	290,000	2,080	-	Wisconsin	1,415,000	12,000	40,655
Michigan	315,000	41,619	-	Michigan	1,095,000	164,248	38,440
Birch	289,000	22,517	-	All Species	3,487,000	176,248	79,787
Minnesota	49,000	-	-	Minnesota	862,000	-	692
Wisconsin	130,000	960	-	Wisconsin	1,470,000	12,000	40,655
Michigan	110,000	21,557	-	Michigan	1,155,000	164,248	38,440

1/ Excludes slabwood, veneer cores, etc.

2/ Also includes some cottonwood.

Table 21. - Production of miscellaneous piece products
in the Lake States - 1952

Species and origin	:	Piling	:	Poles	:	Posts	:	Hewn	:	Species and origin	:	Piling	:	Poles	:	Posts	:	Hewn	:
	:		:		:		:	ties	:		:		:		:		:	ties	:
		Thousand pieces										Thousand pieces							
White pine	.2	-	-	-	-					Hickory	.2	-	-	-	-				
Minnesota	.2	-	-	-	-					Minnesota	-	-	-	-	-				
Wisconsin	-	-	-	-	-					Wisconsin	-	-	-	-	-				
Michigan	-	-	-	-	-					Michigan	.2	-	-	-	-				
Red pine	4.5	8.4	150	-						Birch	-	-	-	60	7				
Minnesota	3.6	7.9	150	-						Minnesota	-	-	-	10	1				
Wisconsin	-	.5	-	-						Wisconsin	-	-	-	50	-				
Michigan	.9	-	-	-	-					Michigan	-	-	-	-	6				
Jack pine	3.3	22.8	465	-						Elm	4.1	-	-	100	-				
Minnesota	3.3	22.2	440	-						Minnesota	-	-	-	20	-				
Wisconsin	-	.6	25	-						Wisconsin	3.2	-	-	40	-				
Michigan	-	-	-	-	-					Michigan	.9	-	-	40	-				
Spruce	-	-	5	-						Beech	.8	-	-	-	-				
Minnesota	-	-	5	-						Minnesota	-	-	-	-	-				
Wisconsin	-	-	-	-						Wisconsin	-	-	-	-	-				
Michigan	-	-	-	-	-					Michigan	.8	-	-	-	-				
Balsam	-	-	60	-						Oak	8.0	-	-	10,135	-				
Minnesota	-	-	60	-						Minnesota	-	-	-	3,325	-				
Wisconsin	-	-	-	-						Wisconsin	1.8	-	-	4,810	-				
Michigan	-	-	-	-	-					Michigan	6.2	-	-	2,000	-				
Tamarack	.1	.3	1,110	15						Ash	.2	-	-	-	1				
Minnesota	.1	.3	500	11						Minnesota	-	-	-	-	1				
Wisconsin	-	-	500	2						Wisconsin	.1	-	-	-	-				
Michigan	-	-	110	2						Michigan	.1	-	-	-	-				
Cedar	-	141.3	12,430	41						Aspen	-	-	-	580	-				
Minnesota	-	105.8	1,270	11						Minnesota	-	-	-	285	-				
Wisconsin	-	15.1	3,850	4						Wisconsin	-	-	-	220	-				
Michigan	-	20.4	7,310	26						Michigan	-	-	-	75	-				
Hemlock	-	-	25	4						Miscellaneous	.5	-	-	100	-				
Minnesota	-	-	-	-						Minnesota	-	-	-	55	-				
Wisconsin	-	-	25	1						Wisconsin	-	-	-	25	-				
Michigan	-	-	-	3						Michigan	.5	-	-	20	-				
Softwoods	8.1	172.8	14,245	60						Hardwoods	14.5	-	-	11,135	20				
Minnesota	7.2	136.2	2,425	22						Minnesota	-	-	-	3,775	2				
Wisconsin	-	16.2	4,400	7						Wisconsin	5.3	-	-	5,215	1				
Michigan	.9	20.4	7,420	31						Michigan	9.2	-	-	2,145	17				
Maple	.7	-	160	12						All Species	22.6	172.8	25,380	80					
Minnesota	-	-	80	-						Minnesota	7.2	136.2	6,200	24					
Wisconsin	.2	-	70	1						Wisconsin	5.3	16.2	9,615	8					
Michigan	.5	-	10	11						Michigan	10.1	20.4	9,565	48					

Table 22. - Production of mine timbers, heading stock & other miscellaneous cordwood products in the Lake States - 1952

Species and origin	: Mine 1/ : timbers	: Heading : stock	: Misc. 2/ : products	Species and origin	: Mine 1/ : timbers	: Heading : stock	: Misc. 2/ : products
Thousand cubic feet				Thousand cubic feet			
White pine	58	-	150	Birch	327	65	400
Minnesota	13	-	50	Minnesota	8	-	340
Wisconsin	-	-	50	Wisconsin	18	50	50
Michigan	45	-	50	Michigan	301	15	10
Red pine	54	-	90	Basswood	-	240	150
Minnesota	52	-	40	Minnesota	-	10	70
Wisconsin	-	-	20	Wisconsin	-	225	60
Michigan	2	-	30	Michigan	-	5	20
Jack pine	663	-	190	Elm	108	40	70
Minnesota	663	-	80	Minnesota	50	-	-
Wisconsin	-	-	40	Wisconsin	7	40	-
Michigan	-	-	70	Michigan	51	-	70
Spruce	20	-	50	Beech	58	-	600
Minnesota	18	-	20	Minnesota	-	-	-
Wisconsin	-	-	10	Wisconsin	-	-	-
Michigan	2	-	20	Michigan	58	-	600
Balsam	-	-	130	Oak	17	-	90
Minnesota	-	-	50	Minnesota	-	-	10
Wisconsin	-	-	20	Wisconsin	4	-	10
Michigan	-	-	60	Michigan	13	-	70
Tamarack	1,895	-	50	Ash	84	45	-
Minnesota	664	-	20	Minnesota	84	-	-
Wisconsin	101	-	10	Wisconsin	-	45	-
Michigan	1,130	-	20	Michigan	-	-	-
Cedar	2,038	-	620	Aspen	-	770	2,230
Minnesota	317	-	80	Minnesota	-	55	1,720
Wisconsin	151	-	140	Wisconsin	-	660	340
Michigan	1,570	-	400	Michigan	-	55	170
Hemlock	233	-	40	Cottonwood	-	55	-
Minnesota	-	-	-	Minnesota	-	-	-
Wisconsin	37	-	20	Wisconsin	-	10	-
Michigan	196	-	20	Michigan	-	45	-
Softwoods	4,961	-	1,320	Hardwoods	1,729	1,340	4,290
Minnesota	1,727	-	340	Minnesota	168	65	2,140
Wisconsin	289	-	310	Wisconsin	62	1,155	660
Michigan	2,945	-	670	Michigan	1,499	120	1,490
Maple	1,135	125	750	All Species	6,690	1,340	5,610
Minnesota	26	-	-	Minnesota	1,895	65	2,480
Wisconsin	33	125	200	Wisconsin	351	1,155	970
Michigan	1,076	-	550	Michigan	4,444	120	2,160

1/ Cribbing, poles, trestle logs, hewed shaft timbers, smelter brands, etc.

2/ Rough forest products used for manufacture of matches, clothespins, bowling pins, handles, woodenware, toys, shingles, lath, log cabin material, etc.