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NORTH CENTRAL FOREST EXPERIMENT STATION, FOREST SERVICE—U.S. DEPARTMENT OF AGRICULTURE

Folwell Avenue, St. Paul, Minnesota 55101

MAY 1973

LAKE STATES PULPWOOD PRODUCTION DIPS TO 4 MILLION CORDS IN 1971

ABSTRACT. — This 26th annual report shows that 1971 Lake States pulpwood production fell 6 percent. Wood inventory reductions were a major cause of the decline. Canada is losing importance as a pulpwood supplier to Minnesota, Wisconsin, and Michigan.

OXFORD: 861.0(77):792. **KEY WORDS:** residue, receipts, roundwood, imports, Canada.

National wood-pulp production rose 3.6 percent in 1971, but Lake States pulpwood production fell over one-quarter million cords. Pulpwood inventories in 1971 were reduced nearly 100,000 cords in the Lake States — a major reason for the lower pulpwood output.

PRODUCTION

Compared with 1970, pulpwood production fell 10 percent in Michigan, 6 percent in Wisconsin, and 2 percent in Minnesota. Lake States loggers harvested 92 percent of the pulpwood; the remainder was mill residue, such as slabs, veneer cores, and chips from these materials (table 1).

In comparison with the amount of pulpwood cut annually during the last decade, the pine, aspen, and other hardwood harvests were

relatively large in 1971, while the spruce and balsam fir harvests were relatively small. Hemlock harvesting was at the lowest point in 25 years.

During the last 6 years, annual pulpwood output in the three-State area has shown little trend, ranging from 3.6 to 4.3 million cords. Overall, no striking changes in pulpwood output occurred during 1971.

MILL RECEIPTS

Lake States mill receipts fell more than 300,000 cords from 1970. Wood procurement dropped 13 percent at Michigan mills, 8 percent in Wisconsin, and remained steady in Minnesota. Lake States producers furnished 91 percent of the volume, other States 6 percent, and Canada 3 percent (table 2).

Colorado, Idaho, Montana, Nebraska, South Dakota, and Wyoming each shipped more than 20,000 cords to Lake States mills. Three-fourths of this western wood was softwood chips produced from primary plant residue.

Softwood roundwood imports from Canada continued to decline rapidly; less than 100,000 cords were imported in 1971, of which

Table 1.—Production and imports of pulpwood, Lake States, 1971
(In standard cords, unpeeled)

| Species and destination | Production by States ^{1/} | | | | Regional total | Imports | | | Total receipts |
|--------------------------|------------------------------------|------------------|------------------|--------------------------|----------------|----------------|----------------|------------------|----------------|
| | Minnesota | Wisconsin | Michigan | Other U.S. ^{2/} | | Canada | Total imports | | |
| Aspen | | | | | | | | | |
| Minnesota | 560,771 | 21,840 | -- | 582,611 | -- | 2,600 | 2,600 | 585,211 | |
| Wisconsin | 45,775 | 714,156 | 249,314 | 1,009,245 | -- | 1,395 | 1,395 | 1,010,640 | |
| Michigan | -- | 19 | 298,380 | 298,399 | -- | 18 | 18 | 298,417 | |
| Exported ^{3/} | 709 | -- | -- | 709 | -- | -- | -- | -- | |
| Total | 607,255 | 736,015 | 547,694 | 1,890,964 | -- | 4,013 | 4,013 | 1,894,268 | |
| Balsam fir | | | | | | | | | |
| Minnesota | 39,530 | -- | -- | 39,530 | -- | -- | -- | 39,530 | |
| Wisconsin | 540 | 53,979 | 33,739 | 88,258 | -- | -- | -- | 88,258 | |
| Michigan | -- | -- | 18,872 | 18,872 | -- | -- | -- | 18,872 | |
| Exported ^{3/} | 7 | -- | -- | 7 | -- | -- | -- | -- | |
| Total | 40,077 | 53,979 | 52,611 | 146,667 | -- | -- | -- | 146,660 | |
| Birch | | | | | | | | | |
| Minnesota | 34,300 | -- | -- | 34,300 | -- | 100 | 100 | 34,400 | |
| Wisconsin | -- | 51,274 | 1,370 | 52,644 | -- | -- | -- | 52,644 | |
| Michigan | -- | 34 | 21,531 | 21,565 | -- | 32 | 32 | 21,597 | |
| Total | 34,300 | 51,308 | 22,901 | 108,509 | -- | 132 | 132 | 108,641 | |
| Hemlock | | | | | | | | | |
| Wisconsin | -- | 42,197 | 40,600 | 82,797 | -- | -- | -- | 82,797 | |
| Michigan | -- | -- | 1,869 | 1,869 | -- | -- | -- | 1,869 | |
| Total | -- | 42,197 | 42,469 | 84,666 | -- | -- | -- | 84,666 | |
| Pine | | | | | | | | | |
| Minnesota | 144,995 | -- | -- | 144,995 | -- | 9,350 | 9,350 | 154,345 | |
| Wisconsin | 67,835 | 268,049 | 120,389 | 456,273 | 58,009 | -- | 58,009 | 514,282 | |
| Michigan | -- | -- | 114,956 | 114,956 | -- | -- | -- | 114,956 | |
| Exported ^{3/} | 717 | 40 | -- | 757 | -- | -- | -- | -- | |
| Total | 213,547 | 268,089 | 235,345 | 716,981 | 58,009 | 9,350 | 67,359 | 783,583 | |
| Spruce | | | | | | | | | |
| Minnesota | 116,369 | -- | -- | 116,369 | -- | -- | -- | 116,369 | |
| Wisconsin | 38,804 | 11,571 | 27,921 | 78,296 | -- | 88,592 | 88,592 | 166,888 | |
| Michigan | 364 | -- | 16,817 | 17,181 | -- | 278 | 278 | 17,459 | |
| Exported ^{3/} | 12,899 | -- | -- | 12,899 | -- | -- | -- | -- | |
| Total | 168,436 | 11,571 | 44,738 | 224,745 | -- | 88,870 | 88,870 | 300,716 | |
| Tamarack | | | | | | | | | |
| Minnesota | 152 | -- | -- | 152 | -- | -- | -- | 152 | |
| Wisconsin | 32,300 | 2,881 | 2,245 | 37,426 | -- | -- | -- | 37,426 | |
| Michigan | -- | -- | 65 | 65 | -- | -- | -- | 65 | |
| Total | 32,452 | 2,881 | 2,310 | 37,643 | -- | -- | -- | 37,643 | |
| Misc. hardwoods | | | | | | | | | |
| Minnesota | 30,662 | -- | -- | 30,662 | -- | 7,152 | 7,152 | 37,814 | |
| Wisconsin | -- | 263,984 | 31,093 | 295,077 | -- | -- | -- | 295,077 | |
| Michigan | -- | 122 | 165,257 | 165,379 | -- | 115 | 115 | 165,494 | |
| Exported ^{3/} | -- | 4,937 | -- | 4,937 | -- | -- | -- | -- | |
| Total | 30,662 | 269,043 | 196,350 | 496,055 | -- | 7,267 | 7,267 | 498,385 | |
| Total roundwood | | | | | | | | | |
| Minnesota | 926,779 | 21,840 | -- | 948,619 | -- | 19,202 | 19,202 | 967,821 | |
| Wisconsin | 185,254 | 1,408,091 | 506,671 | 2,100,016 | 58,009 | 89,987 | 147,996 | 2,248,012 | |
| Michigan | 364 | 175 | 637,747 | 638,286 | -- | 443 | 443 | 638,729 | |
| Exported ^{3/} | 14,332 | 4,977 | -- | 19,309 | -- | -- | -- | -- | |
| Total | 1,126,729 | 1,435,083 | 1,144,418 | 3,706,230 | 58,009 | 109,632 | 167,641 | 3,854,562 | |
| Residue, softwood | | | | | | | | | |
| Minnesota | 17,497 | -- | -- | 17,497 | -- | 14,348 | 14,348 | 31,845 | |
| Wisconsin | 2,432 | 9,383 | 5,064 | 16,879 | 176,293 | -- | 176,293 | 193,172 | |
| Michigan | -- | -- | 559 | 559 | -- | -- | -- | 559 | |
| Exported ^{3/} | 1,957 | 7,073 | 7,688 | 16,718 | -- | -- | -- | -- | |
| Total | 21,886 | 16,456 | 13,311 | 51,653 | 176,293 | 14,348 | 190,641 | 225,576 | |
| Residue, hardwood | | | | | | | | | |
| Minnesota | 47,263 | 13,046 | -- | 60,309 | 987 | 2,155 | 3,142 | 63,451 | |
| Wisconsin | 184 | 84,746 | 55,029 | 139,959 | -- | -- | -- | 139,959 | |
| Michigan | -- | -- | 50,167 | 50,167 | 10,930 | -- | 10,930 | 61,097 | |
| Exported ^{3/} | -- | 3,040 | 4,150 | 7,190 | -- | -- | -- | -- | |
| Total | 47,447 | 100,832 | 109,346 | 257,625 | 11,917 | 2,155 | 14,072 | 264,507 | |
| All wood material | | | | | | | | | |
| Minnesota | 991,539 | 34,886 | -- | 1,026,425 | 987 | 35,705 | 36,692 | 1,063,117 | |
| Wisconsin | 187,870 | 1,502,220 | 566,764 | 2,256,854 | 234,302 | 89,987 | 324,289 | 2,581,143 | |
| Michigan | 364 | 175 | 688,473 | 689,012 | 10,930 | 443 | 11,373 | 700,385 | |
| Exported ^{3/} | 16,289 | 15,090 | 11,838 | 43,217 | -- | -- | -- | -- | |
| Total | 1,196,062 | 1,552,371 | 1,267,075 | 4,015,508 | 246,219 | 126,135 | 372,354 | 4,344,645 | |

1/ Vertical columns of figures under box heading "Production by States" present the amount of pulpwood cut in each State.

2/ Mostly western States.

3/ Pulpwood shipped to mills outside of region.

Table 2.—Geographic origin and destination of pulpwood received by
Lake States mills, 1971

| Species | Percent of pulpwood originating from: | | | | | Percent of pulpwood received by mills in: | | |
|----------------------|--|------|-------|--------|---------------|--|------|-------|
| | Minn. | Wis. | Mich. | Canada | Other U.S. | Minn. | Wis. | Mich. |
| Aspen | 32 | 39 | 29 | * | -- | 31 | 53 | 16 |
| Balsam fir | 27 | 37 | 36 | -- | -- | 27 | 60 | 13 |
| Birch | 32 | 47 | 21 | * | -- | 32 | 48 | 20 |
| Hemlock | -- | 50 | 50 | -- | -- | -- | 98 | 2 |
| Pine | 27 | 34 | 30 | 1 | 8 | 20 | 65 | 15 |
| Spruce | 52 | 4 | 15 | 29 | -- | 39 | 55 | 6 |
| Tamarack | 86 | 8 | 6 | -- | -- | * | 99 | * |
| Misc. hardwoods | 6 | 53 | 39 | 2 | -- | 8 | 59 | 33 |
| Residues | 14 | 22 | 23 | 3 | 38 | 19 | 68 | 13 |
| All wood material | 27 | 35 | 29 | 3 | 6 | 25 | 59 | 16 |
| Previous year (1970) | 26 | 35 | 30 | 4 | 5 | 23 | 60 | 17 |

*Less than 1/2 of 1 percent.

nine-tenths were spruce. Three times as much Canadian softwood was received in 1966 and seven times as much in 1951 and 1952. Since 1969, no balsam fir has been received from Canada, and pine is now a minor import. If recent trends in spruce shipments from Canada continue, less than 20,000 cords from Canada will be used in the Lake States by 1978.

Since 1969, small quantities of Canadian softwood residue have been used at Lake States mills, but data are insufficient to assess the future importance of this new wood import.

1973

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★U.S. GOVERNMENT PRINTING OFFICE: 1973--761257/15