



PULPWOOD PRODUCTION IN THE LAKE STATES

BY COUNTY, 1977

SOUTHERN FOREST EXPERIMENT STATION  
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**ABSTRACT.**--This 32nd annual report shows 1977 pulpwood production by county and species group in Michigan, Minnesota, and Wisconsin. Production in these three Lake States inched ahead to 4.74 million cords from 4.69 million cords in 1976.

**OXFORD:** 861.0(77):792. **KEY WORDS:** Residue, Minnesota, Wisconsin, Michigan.

Lake States pulpwood production advanced slightly to 4.74 million cords in 1977 from 4.69 million cords in 1976. Production rose 3 percent in Michigan to 1.59 million cords and 2 percent in Minnesota to 1.33 million cords. Wisconsin output dropped 1 percent to 1.82 million cords.

For every 89 cords cut from roundwood (including chips) 11 cords were derived from mill residue such as slabs, edgings, veneer cores, and chips from those materials. Output from softwood and hardwood residue by State was:

| State     | Softwood               | Hardwood |
|-----------|------------------------|----------|
|           | Hundred standard cords |          |
| Michigan  | 208                    | 1,708    |
| Minnesota | 353                    | 779      |
| Wisconsin | 480                    | 1,486    |

Production changes were small to moderate for all species. Major increases were for aspen (68,000 cords), soft maple (33,000 cords), and balsam fir (29,000 cords). Lake States hardwood residue procured for pulping rose 38,000 cords. Largest declines in the pulpwood harvest were for elm (55,000 cords) and birch (33,000 cords).

Harvesting increased mainly in Michigan's western Upper Peninsula and southern Lower Peninsula and north-central Minnesota while the major decline was in central Wisconsin.

Top-producing counties were Iron, Delta, and Marquette in Michigan; St. Louis, Koochiching, and Itasca in Minnesota; and Marinette, Oneida, and Forest in Wisconsin.

Pulpmills using Lake States timber in 1977 reported their pulpwood receipts by species groups and State and county of origin. Their cooperation is gratefully acknowledged. Thanks are also due the Michigan Department of Natural Resources for collecting the data from pulpmills in Michigan.

Table 1.--Lake States pulpwood production from roundwood by county and species, 1977

(Hundred standard cords, roughwood basis)

| MICHIGAN                  |               |             |            |               |              |               |           |             |            |             |             |               |  |
|---------------------------|---------------|-------------|------------|---------------|--------------|---------------|-----------|-------------|------------|-------------|-------------|---------------|--|
| UNIT<br>AND COUNTY        | 1/<br>SPECIES | ALL<br>PINE | SPRUCE     | BALSAM<br>FIR | HEM-<br>LOCK | TAM-<br>ARACK | CEDAR     | ASPEN       | BIRCH      | OAK         | MAPLE       | OTHER<br>HWD. |  |
| <b>E. UPPER PENINSULA</b> |               |             |            |               |              |               |           |             |            |             |             |               |  |
| ALGER                     | 483           | 156         | 14         | 30            | 76           | 1             | 5         | 66          | 36         | 1           | 65          | 33            |  |
| CHIPPEWA                  | 344           | 155         | 56         | 42            | 22           | 1             | 2         | 35          | 9          | X           | 16          | 6             |  |
| DELTA                     | 1021          | 117         | 58         | 152           | 63           | 3             | 10        | 354         | 71         | 2           | 106         | 85            |  |
| LUCE                      | 394           | 184         | 26         | 42            | 60           | 1             | 2         | 22          | 13         | 1           | 26          | 17            |  |
| MACKINAC                  | 225           | 40          | 10         | 55            | 17           | X             | 8         | 42          | 15         | 0           | 9           | 29            |  |
| MEMONINNEE                | 936           | 19          | 68         | 105           | 28           | 8             | 4         | 428         | 49         | 1           | 85          | 141           |  |
| SCHOOLCRAFT               | 492           | 140         | 42         | 53            | 44           | 1             | 5         | 113         | 28         | 1           | 27          | 38            |  |
| <b>TOTAL</b>              | <b>3895</b>   | <b>811</b>  | <b>274</b> | <b>479</b>    | <b>310</b>   | <b>15</b>     | <b>36</b> | <b>1060</b> | <b>221</b> | <b>6</b>    | <b>334</b>  | <b>349</b>    |  |
| <b>W. UPPER PENINSULA</b> |               |             |            |               |              |               |           |             |            |             |             |               |  |
| BARAGA                    | 632           | 69          | 22         | 64            | 67           | 2             | 9         | 225         | 40         | 1           | 104         | 29            |  |
| DICKINSON                 | 730           | 11          | 20         | 51            | 13           | 4             | 1         | 490         | 40         | 1           | 57          | 42            |  |
| GOGEBIC                   | 404           | 27          | 5          | 44            | 61           | 1             | 3         | 177         | 21         | X           | 45          | 20            |  |
| HOUGHTON                  | 175           | 23          | 5          | 17            | 22           | X             | 1         | 43          | 17         | X           | 32          | 15            |  |
| IRON                      | 1167          | 88          | 80         | 147           | 54           | 4             | 7         | 484         | 70         | 1           | 157         | 75            |  |
| KEWEENAW                  | 9             | 1           | 1          | X             | 2            | X             | X         | X           | X          | 0           | 4           | 1             |  |
| MARQUETTE                 | 971           | 258         | 66         | 113           | 51           | 2             | 9         | 228         | 82         | 4           | 97          | 61            |  |
| ONTONAGON                 | 493           | 14          | 3          | 15            | 40           | X             | 1         | 307         | 21         | 0           | 69          | 23            |  |
| <b>TOTAL</b>              | <b>4581</b>   | <b>491</b>  | <b>202</b> | <b>451</b>    | <b>310</b>   | <b>13</b>     | <b>31</b> | <b>1954</b> | <b>291</b> | <b>7</b>    | <b>565</b>  | <b>266</b>    |  |
| <b>N. LOWER PENINSULA</b> |               |             |            |               |              |               |           |             |            |             |             |               |  |
| ALCONA                    | 424           | 3           | 0          | 0             | 0            | 0             | 0         | 259         | 16         | 111         | 27          | 8             |  |
| ALPENA                    | 160           | 6           | X          | 2             | 0            | 0             | 0         | 92          | 11         | 8           | 32          | 9             |  |
| ANTRIM                    | 7             | 0           | 0          | 0             | 0            | 0             | 0         | 6           | 0          | 0           | 1           | X             |  |
| ARENAC                    | 6             | 0           | 0          | 0             | 0            | 0             | 0         | 4           | 1          | 0           | 1           | X             |  |
| BENZIE                    | 106           | 3           | 0          | 0             | 0            | 0             | 0         | 58          | 4          | 8           | 27          | 6             |  |
| CHARLEVOIX                | 7             | 7           | 0          | 0             | 0            | 0             | 0         | 0           | 0          | 0           | 0           | 0             |  |
| CHEBOYGAN                 | 185           | 40          | X          | 1             | 0            | 0             | 0         | 84          | 5          | 2           | 41          | 12            |  |
| CLARE                     | 322           | 32          | 0          | 0             | 0            | 0             | 0         | 152         | 4          | 86          | 38          | 10            |  |
| CRAWFORD                  | 105           | 38          | 0          | 0             | 0            | 0             | 0         | 12          | 1          | 40          | 11          | 3             |  |
| EMMET                     | 14            | 8           | 0          | 0             | 0            | 0             | 0         | 4           | 1          | 0           | 1           | 0             |  |
| GLADWIN                   | 90            | 2           | 0          | 0             | 0            | 0             | 0         | 62          | 7          | 11          | 7           | 1             |  |
| GRAND TRAVERSE            | 75            | 20          | 0          | 0             | 0            | 0             | 0         | 40          | 1          | 2           | 9           | 3             |  |
| IOSCO                     | 143           | 122         | 0          | 0             | 0            | 0             | 0         | 8           | X          | 5           | 7           | 1             |  |
| ISABELLA                  | 57            | X           | 0          | 0             | 0            | 0             | 0         | 37          | X          | 16          | 3           | 1             |  |
| KALKASKA                  | 197           | 51          | 0          | X             | X            | 0             | 0         | 95          | 2          | 23          | 21          | 5             |  |
| LAKE                      | 475           | 51          | 0          | 0             | 0            | 0             | 0         | 184         | 1          | 149         | 76          | 14            |  |
| LEELANAU                  | 22            | 0           | 0          | 0             | 0            | 0             | 0         | 8           | 1          | 4           | 3           | 6             |  |
| MANISTEE                  | 172           | 18          | 0          | 0             | 0            | 0             | 0         | 60          | 3          | 34          | 47          | 10            |  |
| MASON                     | 158           | X           | 0          | 0             | 0            | 0             | 0         | 74          | 4          | 44          | 33          | 3             |  |
| MECOSTA                   | 167           | 27          | 0          | 0             | 0            | 0             | 0         | 108         | 1          | 25          | 4           | 2             |  |
| MIDLAND                   | 54            | 0           | 0          | 0             | 0            | 0             | 0         | 35          | 2          | 4           | 11          | 2             |  |
| MISSAUKEE                 | 83            | 19          | 0          | 0             | 0            | 0             | 0         | 31          | 2          | 18          | 11          | 2             |  |
| MONTMORENCY               | 314           | 87          | 1          | 3             | 0            | 0             | 0         | 148         | 7          | 51          | 13          | 4             |  |
| NEWAYGO                   | 207           | 61          | 0          | 0             | 0            | 0             | 0         | 79          | 1          | 56          | 8           | 2             |  |
| OCEANA                    | 141           | 32          | 0          | 0             | 0            | 0             | 0         | 51          | 1          | 32          | 12          | 13            |  |
| OGEMAW                    | 138           | 57          | 0          | 0             | 0            | 0             | 0         | 32          | 2          | 37          | 7           | 3             |  |
| OSCEOLA                   | 205           | 22          | 0          | 0             | 0            | 0             | 0         | 142         | 3          | 27          | 9           | 2             |  |
| OSCODA                    | 238           | 91          | X          | 1             | 0            | 0             | 0         | 94          | 6          | 29          | 13          | 4             |  |
| OTSEGO                    | 72            | 63          | X          | 1             | 0            | 0             | 0         | 7           | 0          | 1           | 0           | 0             |  |
| PRESQUE ISLE              | 213           | 41          | 1          | 7             | 1            | 0             | 0         | 114         | 19         | 14          | 13          | 3             |  |
| ROSCOMMON                 | 235           | 92          | 0          | 0             | 0            | 0             | 0         | 81          | 2          | 48          | 12          | X             |  |
| WEXFORD                   | 364           | 199         | 0          | 0             | 0            | 0             | 0         | 54          | 2          | 55          | 49          | 5             |  |
| <b>TOTAL</b>              | <b>5156</b>   | <b>1192</b> | <b>2</b>   | <b>15</b>     | <b>1</b>     | <b>0</b>      | <b>0</b>  | <b>2215</b> | <b>110</b> | <b>940</b>  | <b>547</b>  | <b>134</b>    |  |
| <b>S. LOWER PENINSULA</b> |               |             |            |               |              |               |           |             |            |             |             |               |  |
| ALLEGAN                   | 33            | 23          | 0          | 0             | 0            | 0             | 0         | 4           | X          | 5           | 1           | X             |  |
| BARRY                     | 2             | 1           | 0          | 0             | 0            | 0             | 0         | X           | 0          | 0           | 0           | 0             |  |
| CALHOUN                   | 1             | 0           | 0          | 0             | 0            | 0             | 0         | 0           | 0          | 0           | 0           | 0             |  |
| GRATIOT                   | 17            | 0           | 0          | 0             | 0            | 0             | 0         | 6           | 0          | 5           | 4           | 2             |  |
| KENT                      | 87            | 4           | 0          | 0             | 0            | 0             | 0         | 9           | X          | 43          | 19          | 12            |  |
| MONTCALM                  | 131           | 12          | 0          | 0             | 0            | 0             | 0         | 36          | X          | 57          | 18          | 8             |  |
| MUSKEGON                  | 78            | 38          | 0          | 0             | 0            | 0             | 0         | 31          | X          | 8           | 1           | X             |  |
| OTTAWA                    | 39            | 39          | 0          | 0             | 0            | 0             | 0         | X           | 0          | 0           | 0           | 0             |  |
| SAGINAW                   | 4             | 1           | 0          | 0             | 0            | 0             | 0         | 2           | X          | 1           | X           | X             |  |
| WASHTENAW                 | 1             | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0          | 0           | 0           | 0             |  |
| <b>TOTAL</b>              | <b>393</b>    | <b>121</b>  | <b>0</b>   | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>  | <b>88</b>   | <b>X</b>   | <b>119</b>  | <b>43</b>   | <b>22</b>     |  |
| <b>STATE TOTAL</b>        | <b>14025</b>  | <b>2615</b> | <b>478</b> | <b>945</b>    | <b>621</b>   | <b>28</b>     | <b>67</b> | <b>5317</b> | <b>622</b> | <b>1072</b> | <b>1489</b> | <b>771</b>    |  |

1/ INCLUDES ONLY THOSE COUNTIES THAT SUPPLIED PULPWOOD IN 1977.  
X=LESS THAN 50 CORDS.

(CONTINUED ON NEXT PAGE)

MINNESOTA

| UNIT<br>AND COUNTY   | 1/<br>SPECIES | ALL<br>PINE | SPRUCE | BALSAM<br>FIR | HEM-<br>LOCK | TAM-<br>ARACK | CEDAR | ASPEN | BIRCH | OAK | MAPLE | OTHER<br>HDWDS. |
|----------------------|---------------|-------------|--------|---------------|--------------|---------------|-------|-------|-------|-----|-------|-----------------|
| NORTHERN ASPEN-BIRCH |               |             |        |               |              |               |       |       |       |     |       |                 |
| CARLTON              | 316           | 50          | 11     | 21            | 0            | 3             | 0     | 200   | 31    | 0   | X     | 0               |
| COOK                 | 370           | 34          | 97     | 38            | 0            | 0             | 0     | 201   | 0     | 0   | 0     | 0               |
| KOOCHICHING          | 2430          | 161         | 516    | 220           | 0            | 199           | 0     | 1247  | 19    | 0   | 1     | 67              |
| LAKE                 | 757           | 215         | 194    | 91            | 0            | 2             | 0     | 233   | 22    | 0   | 0     | 0               |
| ST. LOUIS            | 3060          | 512         | 279    | 225           | 0            | 38            | 0     | 1869  | 81    | 0   | 2     | 54              |
| TOTAL                | 6933          | 972         | 1097   | 595           | 0            | 242           | 0     | 3750  | 153   | 0   | 3     | 121             |
| NORTHERN PINE        |               |             |        |               |              |               |       |       |       |     |       |                 |
| AITKIN               | 324           | 5           | 12     | 10            | 0            | 26            | 0     | 241   | 14    | 10  | 1     | 5               |
| BECKER               | 15            | 10          | 0      | 0             | 0            | X             | 0     | 5     | 0     | 0   | 0     | 0               |
| EELTRAMI             | 750           | 104         | 85     | 119           | 0            | 18            | 0     | 380   | 42    | 0   | 2     | X               |
| CASS                 | 727           | 156         | 12     | 18            | 0            | 11            | 0     | 504   | 26    | 0   | X     | 0               |
| CLEARWATER           | 213           | 26          | 12     | 13            | 0            | 21            | 0     | 134   | 6     | 0   | 1     | 0               |
| CROW WING            | 167           | 66          | 0      | 1             | 0            | 0             | 0     | 94    | 6     | 0   | 0     | 0               |
| HUBBARD              | 381           | 101         | 5      | 7             | 0            | 11            | 0     | 247   | 10    | 0   | 0     | 0               |
| ITASCA               | 1658          | 75          | 142    | 226           | 0            | 29            | 0     | 1147  | 12    | 0   | 2     | 25              |
| LAKE OF THE WOODS    | 297           | 49          | 127    | 3             | 0            | 24            | 0     | 92    | 0     | 0   | 0     | 2               |
| MAHOMEN              | 18            | 12          | 0      | 0             | 0            | 1             | 0     | 5     | 0     | 0   | 0     | 0               |
| ROSEAU               | 182           | 75          | 39     | X             | 0            | 11            | 0     | 47    | 10    | 0   | 0     | 0               |
| WADENA               | 68            | 47          | 0      | 0             | 0            | 0             | 0     | 20    | 1     | 0   | 0     | 0               |
| TOTAL                | 4800          | 726         | 434    | 397           | 0            | 152           | 0     | 2916  | 127   | 10  | 6     | 32              |
| CENTRAL HARDWOOD     |               |             |        |               |              |               |       |       |       |     |       |                 |
| BENTON               | 41            | 0           | 0      | 0             | 0            | 0             | 0     | 21    | 4     | 10  | 1     | 5               |
| CHISAGO              | 1             | 0           | 0      | 0             | 0            | 0             | 0     | 1     | 0     | 0   | 0     | 0               |
| HENNEPIN             | 9             | 0           | 0      | 0             | 0            | 0             | 0     | 0     | 0     | 0   | 0     | 9               |
| KANABEC              | 48            | 0           | 0      | 0             | 0            | 0             | 0     | 28    | 4     | 10  | 1     | 5               |
| MILLE LACS           | 74            | 0           | 0      | 0             | 0            | 3             | 0     | 51    | 4     | 10  | 1     | 5               |
| MORRISON             | 111           | 10          | X      | 0             | 0            | 0             | 0     | 81    | 4     | 10  | 1     | 5               |
| OTTER TAIL           | 5             | 5           | 0      | 0             | 0            | X             | 0     | 0     | 0     | 0   | 0     | 0               |
| PINE                 | 140           | 14          | 0      | 0             | 0            | 0             | 0     | 121   | 5     | 0   | 0     | 0               |
| RAMSEY               | 9             | 0           | 0      | 0             | 0            | 0             | 0     | 0     | 0     | 0   | 0     | 9               |
| TODD                 | 6             | 6           | 0      | 0             | 0            | 0             | 0     | 0     | 0     | 0   | 0     | 0               |
| TOTAL                | 444           | 35          | X      | 0             | 0            | 3             | 0     | 303   | 21    | 40  | 4     | 38              |
| PRAIRIE POLK         |               |             |        |               |              |               |       |       |       |     |       |                 |
| POLK                 | 24            | 0           | 0      | 0             | 0            | 24            | 0     | 0     | 0     | 0   | 0     | 0               |
| TOTAL                | 24            | 0           | 0      | 0             | 0            | 24            | 0     | 0     | 0     | 0   | 0     | 0               |
| STATE TOTAL          | 12201         | 1733        | 1531   | 992           | 0            | 421           | 0     | 6969  | 301   | 50  | 13    | 191             |

1/ INCLUDES ONLY THOSE COUNTIES THAT SUPPLIED PULPWOOD IN 1977.  
X=LESS THAN 50 CORDS.

(CONTINUED ON NEXT PAGE)

## WISCONSIN

| UNIT<br>AND COUNTY  | 1/<br>ALL<br>SPECIES | PINE        | SPRUCE     | BALSAM<br>FIR | HEM-<br>LOCK | TAM-<br>ARACK | CEDAR     | ASPEN       | BIRCH       | OAK        | MAPLE       | OTHER<br>HDWDS. |
|---------------------|----------------------|-------------|------------|---------------|--------------|---------------|-----------|-------------|-------------|------------|-------------|-----------------|
| <b>NORTHEASTERN</b> |                      |             |            |               |              |               |           |             |             |            |             |                 |
| FLORENCE            | 780                  | 23          | 10         | 40            | 17           | 1             | X         | 381         | 18          | 4          | 119         | 167             |
| FOREST              | 982                  | 64          | 32         | 124           | 51           | 3             | 1         | 432         | 42          | X          | 110         | 123             |
| LANGLADE            | 507                  | 8           | 2          | 21            | 11           | 4             | 0         | 114         | 29          | 5          | 142         | 171             |
| LINCOLN             | 798                  | 56          | 15         | 75            | 31           | 5             | 2         | 357         | 37          | 11         | 84          | 125             |
| MARINETTE           | 1190                 | 145         | 13         | 79            | 15           | X             | 1         | 755         | 115         | 0          | 28          | 39              |
| OCONTO              | 438                  | 106         | 3          | 21            | 4            | X             | 0         | 270         | 22          | 0          | 7           | 5               |
| ONEIDA              | 1157                 | 166         | 51         | 128           | 8            | 3             | X         | 482         | 174         | 26         | 74          | 45              |
| SHAWANO 2/          | 495                  | 14          | 0          | 9             | 151          | X             | 0         | 196         | 9           | X          | 38          | 78              |
| VILAS               | 814                  | 104         | 28         | 70            | 32           | 2             | 3         | 360         | 91          | 6          | 70          | 48              |
| <b>TOTAL</b>        | <b>7161</b>          | <b>686</b>  | <b>154</b> | <b>567</b>    | <b>320</b>   | <b>18</b>     | <b>7</b>  | <b>3347</b> | <b>537</b>  | <b>52</b>  | <b>672</b>  | <b>801</b>      |
| <b>NORTHWESTERN</b> |                      |             |            |               |              |               |           |             |             |            |             |                 |
| ASHLAND             | 723                  | 66          | 13         | 63            | 21           | 2             | 3         | 401         | 28          | 1          | 68          | 57              |
| BARRON              | 12                   | 7           | 0          | 0             | 0            | 0             | 0         | 0           | 5           | 0          | 0           | 0               |
| EAYFIELD            | 896                  | 107         | 1          | 13            | 1            | X             | X         | 611         | 136         | 6          | 12          | 9               |
| BURNETT             | 214                  | 208         | 0          | 1             | 0            | 0             | 0         | 2           | 1           | 0          | 1           | 1               |
| DOUGLAS             | 570                  | 322         | X          | 2             | 0            | 2             | 0         | 217         | 23          | 0          | 2           | 34              |
| IRON                | 620                  | 16          | 3          | 8             | 8            | 1             | X         | 500         | 24          | 2          | 24          | 3               |
| FOLK                | 14                   | 14          | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| PRICE               | 867                  | 48          | 8          | 37            | 19           | 5             | 1         | 361         | 80          | 9          | 79          | 220             |
| RUSK                | 244                  | 1           | X          | 3             | 3            | X             | 0         | 84          | 29          | 6          | 52          | 66              |
| SAWYER              | 772                  | 64          | 5          | 8             | 23           | X             | X         | 406         | 62          | 9          | 90          | 105             |
| TAYLOR              | 480                  | 10          | 2          | 16            | 10           | 4             | 1         | 212         | 46          | 4          | 62          | 113             |
| WASHBURN            | 668                  | 165         | 1          | 1             | 0            | 1             | 0         | 488         | 7           | 0          | 3           | 2               |
| <b>TOTAL</b>        | <b>6080</b>          | <b>1028</b> | <b>33</b>  | <b>152</b>    | <b>85</b>    | <b>15</b>     | <b>5</b>  | <b>3282</b> | <b>441</b>  | <b>37</b>  | <b>393</b>  | <b>609</b>      |
| <b>CENTRAL</b>      |                      |             |            |               |              |               |           |             |             |            |             |                 |
| ADAMS               | 347                  | 268         | 0          | 0             | 0            | 0             | 0         | .1          | X           | 78         | X           | X               |
| CHIPPEWA            | 165                  | 7           | X          | 1             | 4            | 3             | X         | 86          | 19          | 3          | 18          | 24              |
| CLARK               | 191                  | 37          | 0          | X             | 1            | X             | 0         | 20          | 4           | 112        | 9           | 8               |
| EAU CLAIRE          | 57                   | 52          | 0          | 0             | 0            | 0             | 0         | 3           | X           | 1          | 1           | X               |
| JACKSON             | 184                  | 166         | 0          | 0             | 0            | X             | 0         | 1           | 1           | 11         | 3           | 2               |
| JUNEAU              | 274                  | 208         | 0          | 0             | 0            | X             | 0         | 5           | 3           | 50         | 5           | 3               |
| MARATHON            | 775                  | 20          | X          | 15            | 23           | 1             | 0         | 75          | 8           | 22         | 251         | 360             |
| MARQUETTE           | 67                   | 30          | 0          | 0             | 0            | 1             | 0         | 0           | 1           | 0          | 15          | 20              |
| MONROE              | 57                   | 48          | 0          | 0             | 0            | 0             | 0         | X           | 2           | 0          | 5           | 2               |
| PORTAGE             | 153                  | 65          | 0          | X             | 2            | X             | 0         | 33          | X           | 48         | 4           | 1               |
| WAUPACA             | 122                  | 27          | 0          | X             | 1            | X             | 0         | 67          | 4           | 7          | 10          | 13              |
| WAUSARA             | 93                   | 79          | 0          | 0             | 0            | 1             | 0         | 0           | 1           | 7          | 2           | 1               |
| WOOD                | 265                  | 122         | X          | 0             | 0            | 0             | 0         | 24          | 3           | 104        | 7           | 5               |
| <b>TOTAL</b>        | <b>2750</b>          | <b>1129</b> | <b>X</b>   | <b>16</b>     | <b>31</b>    | <b>6</b>      | <b>X</b>  | <b>317</b>  | <b>46</b>   | <b>436</b> | <b>330</b>  | <b>439</b>      |
| <b>SOUTHWESTERN</b> |                      |             |            |               |              |               |           |             |             |            |             |                 |
| HUFFALO             | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| CRAWFORD            | X                    | 0           | 0          | 0             | 0            | 0             | 0         | X           | 0           | 0          | 0           | 0               |
| DUNN                | 21                   | 21          | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| GRANT               | 50                   | X           | 0          | 0             | 0            | 0             | 0         | 7           | 2           | 23         | 5           | 13              |
| IOWA                | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| LACROSSE            | 9                    | 9           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| PEPIN               | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| RICHLAND            | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| SAUK                | 32                   | 32          | 0          | 0             | 0            | 0             | 0         | 0           | X           | 0          | X           | X               |
| TREMPEALEAU         | 15                   | 15          | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| <b>TOTAL</b>        | <b>131</b>           | <b>81</b>   | <b>0</b>   | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>  | <b>7</b>    | <b>2</b>    | <b>23</b>  | <b>5</b>    | <b>13</b>       |
| <b>SOUTHEASTERN</b> |                      |             |            |               |              |               |           |             |             |            |             |                 |
| BROWN               | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| COLUMBIA            | 20                   | 13          | 0          | 0             | 0            | 0             | 0         | 0           | X           | 0          | 2           | 5               |
| DANE                | 1                    | 1           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| GREEN               | 4                    | 4           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| GREEN LAKE          | X                    | X           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| MANITOWOC           | X                    | 0           | 0          | 0             | 0            | 0             | 0         | X           | 0           | 0          | 0           | 0               |
| OUTAGAMIE           | 22                   | 1           | 0          | 0             | 0            | 0             | 0         | 7           | 4           | 0          | 7           | 3               |
| ROCK                | X                    | X           | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| WAUKESHA            | 23                   | 23          | 0          | 0             | 0            | 0             | 0         | 0           | 0           | 0          | 0           | 0               |
| <b>TOTAL</b>        | <b>71</b>            | <b>43</b>   | <b>0</b>   | <b>0</b>      | <b>0</b>     | <b>0</b>      | <b>0</b>  | <b>7</b>    | <b>4</b>    | <b>0</b>   | <b>9</b>    | <b>8</b>        |
| <b>STATE TOTAL</b>  | <b>16193</b>         | <b>2967</b> | <b>187</b> | <b>735</b>    | <b>436</b>   | <b>39</b>     | <b>12</b> | <b>6960</b> | <b>1030</b> | <b>548</b> | <b>1409</b> | <b>1870</b>     |

1/ INCLUDES ONLY THOSE COUNTIES THAT SUPPLIED PULPWOOD IN 1977.

2/ INCLUDES MENOMINEE COUNTY.

X=LESS THAN 50 CORDS.