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## Site 1545: Grant County, Township 3N, Range 2W, Section 25, NE 1/4.

[s.l.]: [s.n.], [s.d.]

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1545 Stand # Clear Stand # 1545

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|       | STAND CHARACTERS     | Soils                                                              |                                                     |
|-------|----------------------|--------------------------------------------------------------------|-----------------------------------------------------|
| 1775  | TREE CI              | W.R.C.                                                             | 70.4                                                |
| 2516  | SAP CI               | pH                                                                 | 6.5                                                 |
| +741  | CI DIFFERENCE        | lbs./acre CA<br>Mg<br>P<br>K<br>NO <sub>3</sub><br>NH <sub>3</sub> | 60<br>220<br>5<br>25                                |
| 436   | SAPS / ACRE          |                                                                    |                                                     |
| 335   | TREES / ACRE         | Soil profile                                                       | A <sub>0</sub> ¼<br>A <sub>1</sub> 3-5"<br>B yellow |
| 28    | Ave. B.A. stem       |                                                                    |                                                     |
| 50    | Ave BA TREE          | SLOPE                                                              | 5° NW                                               |
| 16928 | Dom. / ACRE          |                                                                    | Inside 10 acres<br>40 acres                         |
| 1046  | saps + stumps / acre | CUTTING STUMPS / ACRE                                              |                                                     |
| 610   | stump / acre         | Spp. cut                                                           |                                                     |
| 1.82  | STEMS / TREE         |                                                                    |                                                     |
|       |                      | Ave. size cut                                                      |                                                     |
| 74.5  | CANOPY %             | Ave. TIME SINCE CUT                                                |                                                     |

## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. 1545

| STATION NO.   | 1                                | 2               | 3                   | 4                      | 5                   | 6              | 7             | 8              | 9             | 10            |
|---------------|----------------------------------|-----------------|---------------------|------------------------|---------------------|----------------|---------------|----------------|---------------|---------------|
| Acer rubrum   |                                  |                 |                     |                        |                     |                |               |                |               |               |
| A. saccharum  |                                  | 1               | 2                   | 1                      | 2                   | 1              |               | 1              |               | 2             |
| Betula papy.  |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Carpinus car  |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Carya cord    | (14+1)<br>17                     | (15+1) 3        | 2                   | 2                      | (13) 2<br>(17+1) 12 | 12 2           | 17 3          | 3              |               | (12)<br>(13)  |
| C. ovata      |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Celtis occ    |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Crataegus sp. |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Fagus grand   |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Fraxinus am   |                                  |                 |                     |                        |                     |                |               |                |               |               |
| F. nigra      |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Juglans cin.  |                                  |                 |                     |                        |                     |                |               |                |               |               |
| J. nigra      |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Ostrya virg   |                                  |                 |                     |                        |                     |                |               |                | 3             | (1)           |
| Populus gran  |                                  | 17              | 28                  | 47<br>24               |                     | 26<br>64       | 17<br>27      | 56<br>34 53    | 30            |               |
| P. tremul     |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Prunus serot  |                                  |                 |                     |                        |                     |                | 17            | (34 25)        | (16+1)        | 43            |
| Quercus alba  | 1                                |                 |                     | (17 17)<br>26          |                     |                |               | (70)<br>26     | (25)<br>19 15 | (25)<br>19 15 |
| Q. ellipsoid  |                                  |                 |                     |                        |                     |                |               |                | (26)<br>19 14 |               |
| Q. macrocarpa |                                  |                 | (19)<br>56          |                        |                     |                |               |                |               |               |
| Q. rubra      | (38)<br>(12+1)                   | 1               | (17 18)<br>+1       |                        |                     |                |               | (50)<br>55 22  |               |               |
| Q. velutina   |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Tilia amer    | (12+1)<br>(37 27 25)<br>12 12 12 | (31 27)<br>26+1 | (18 18)<br>20 40 18 | (12 12 12)<br>17 24 27 | (40)<br>35 16 4 1   |                |               |                |               |               |
| Ulmus amer    |                                  |                 |                     |                        |                     |                |               |                |               |               |
| Ulmus fulva   |                                  |                 |                     |                        |                     |                |               |                |               |               |
|               |                                  | 80              |                     | 85                     | 65                  | 75             |               |                | 70            |               |
|               | 18 7<br>21 3                     | 9 8<br>7 15     | 9 15<br>10 16       | 8 11<br>17 11          | 9 3<br>11 20        | 12 9<br>8 10   | 8 11<br>11 12 | 10 13<br>10 10 | 10 15<br>3 11 | 6 14<br>7 20  |
| Distance      | 11 23<br>8 16                    | 18 11<br>8 12   | 10 15<br>8 15       | 9 11<br>18 11          | 12 22<br>17 2       | 10 12<br>13 11 | 13 8<br>11 9  | 12 10<br>4 7   | 17 11<br>12 8 | 8 15<br>5 13  |

left  
over

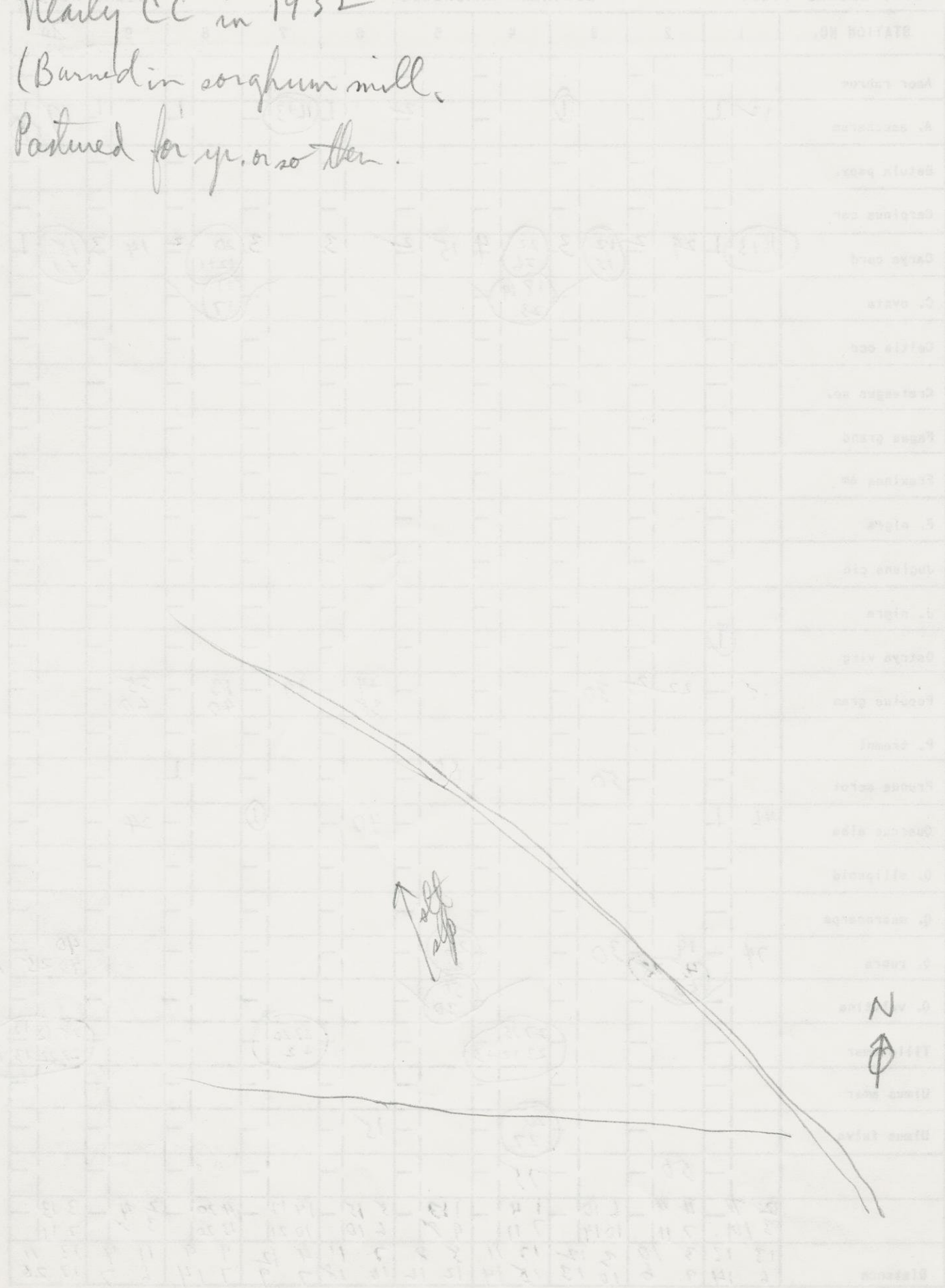
## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. 1545

| STATION NO.   | 1       | 2              | 3      | 4        | 5              | 6                    | 7        | 8              | 9        | 20       |                |          |          |         |        |          |         |
|---------------|---------|----------------|--------|----------|----------------|----------------------|----------|----------------|----------|----------|----------------|----------|----------|---------|--------|----------|---------|
| Acer rubrum   |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| A. saccharum  | 12      | 1              | ①      |          | 2              | 1                    | ①②③      | 1              | 1        | 19 ①     |                |          |          |         |        |          |         |
| Betula papy.  |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Carpinus car  |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Carya cord    | ①②③     | 29             | 2      | ①②③      | 3              | 22<br>26             | 4        | 15             | 2        | 3        | 20<br>12+11    | 2        | 14       | 3       | ①②③    | 1        |         |
| C. ovata      |         |                |        | ①②③      | 18<br>19<br>23 |                      |          |                |          |          | 21<br>17       |          |          |         |        |          |         |
| Celtis occ    |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Crataegus sp. |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Fagus grand   |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Fraxinus am   |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| F. nigra      |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Juglans cin.  |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| J. nigra      |         | ①              |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Ostrya virg   |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Populus gran  |         | 22             | 2      | 30       |                |                      | 44<br>38 | 39             | 13<br>40 | 55<br>60 |                |          |          |         |        |          |         |
| P. tremul     |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Prunus serot  |         |                | 50     |          | 68             |                      |          |                | 1        |          |                |          |          |         |        |          |         |
| Quercus alba  | 46      | 1              |        |          |                |                      | 40       | ①              |          | 24       |                |          |          |         |        |          |         |
| Q. ellipsoid  |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Q. macrocarpa |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Q. rubra      | 74      | 19<br>45<br>50 | 30     |          |                | 26<br>26<br>50<br>30 |          |                |          |          | 40<br>40<br>25 |          |          |         |        |          |         |
| Q. velutina   |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Tilia amer    |         |                |        | 27<br>23 | 25<br>12+3     |                      |          | 22<br>20<br>+2 |          |          | 25<br>22       | 12<br>22 | 12<br>13 |         | 1      |          |         |
| Ulmus amer    |         |                |        |          |                |                      |          |                |          |          |                |          |          |         |        |          |         |
| Ulmus fulva   |         |                |        | 20<br>27 |                | 15                   |          |                |          |          |                |          |          |         |        |          |         |
|               |         | 50             |        | 75       |                |                      |          |                |          |          |                |          |          |         |        |          |         |
|               | 12<br>3 | 7<br>10        | 4<br>7 | 9<br>11  | 6<br>10        | 1<br>4               | 11<br>9  | 15<br>10       | 14<br>10 | 17<br>21 | 4<br>13        | 20<br>20 | 2<br>3   | 4<br>8  | 3<br>7 | 13<br>11 |         |
| Distance      | 13<br>6 | 13<br>14       | 3<br>9 | 10<br>6  | 2<br>10        | 12<br>13             | 17<br>15 | 11<br>14       | 5<br>12  | 8<br>16  | 7<br>10        | 11<br>18 | 4<br>7   | 12<br>9 | 9<br>7 | 14<br>17 | 9<br>26 |

Nearly CC in 1932  
 (Burned in sorghum mill.  
 Pastured for yr. or so then.



## POINT RECORD TREES

## SOUTHERN HARDWOODS

Stand No. 1545

| STATION NO.          | 1                       | 2              | 3             | 4            | 5                 | 6                | 7              | 8                             | 9             | 30                   |
|----------------------|-------------------------|----------------|---------------|--------------|-------------------|------------------|----------------|-------------------------------|---------------|----------------------|
| <i>Acer rubrum</i>   |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>A. saccharum</i>  | 1                       | 2              |               | 1            | 1                 | 1                | 26<br>+3       | 25<br>12                      | 2             | 3                    |
| <i>Betula papy.</i>  |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Carpinus car</i>  |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Carya cord</i>    | 12<br>12+1              | 1              | 2             | 1            | 1                 | 12               | 12<br>18+1     | 2                             | 4             |                      |
| <i>C. ovata</i>      |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Celtis occ</i>    |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Crataegus sp.</i> |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Fagus grand</i>   |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Fraxinus am</i>   |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>F. nigra</i>      |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Juglans cin.</i>  |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>J. nigra</i>      |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Ostrya virg</i>   | 1                       | 1              | 1             | 1            | 1                 |                  |                |                               |               |                      |
| <i>Populus gran</i>  | 35                      | 58             |               | 35<br>32     | 60<br>15          | 44               |                |                               |               |                      |
| <i>P. tremul</i>     |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Prunus serot</i>  | 25                      |                | 15<br>35      | 38<br>25     |                   | 48<br>48         |                |                               |               |                      |
| <i>Quercus alba</i>  |                         | 28             |               |              |                   |                  | 20 19<br>7 14  | 65                            |               |                      |
| <i>Q. ellipsoid</i>  |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Q. macrocarpa</i> |                         |                | 21<br>28 13   |              |                   |                  |                |                               |               |                      |
| <i>Q. rubra</i>      | 1                       |                | 19+1          | 30<br>28     |                   |                  | 60 33<br>65    |                               | 36<br>25 42   | 45<br>45 35 14 35 22 |
| <i>Q. velutina</i>   |                         |                |               |              |                   |                  |                |                               |               |                      |
| <i>Tilia amer</i>    | 32 12 15<br>25 25 15 41 | 18 12<br>15    | 20<br>12+6    |              | 21 15<br>18+5     | 40 34<br>35 25+3 |                | 75<br>70 42<br>28 28<br>32 35 |               |                      |
| <i>Ulmus amer</i>    |                         | 17<br>12       |               |              | 16 17<br>18 25 45 |                  |                |                               |               |                      |
| <i>Ulmus fulva</i>   |                         |                |               |              |                   |                  |                | 45<br>25<br>23                |               | 19                   |
|                      |                         | 90             |               | 80           |                   | 75               |                |                               |               |                      |
|                      | 8 14<br>6 17            | 6 12<br>9 11   | 5 11<br>8 16  | 6 12<br>7 16 | 7 16<br>17 14     | 4 15<br>7 11     | 9 7<br>17 12   | 13 12<br>10 11                | 2 3<br>2 7    | 11 7<br>7 16         |
| Distance             | 6 7<br>10 13            | 14 14<br>13 18 | 17 17<br>10 9 | 11 11<br>9 3 | 12 7<br>5 11      | 7 20<br>10 13    | 16 16<br>13 26 | 4 8<br>4 7                    | 7 23<br>12 13 | 11 15<br>15 13       |

| CI               |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          | AV. PA. 1545    |           |        |
|------------------|--------------|--------|------------------|---------------|---------------|----------|-----------------|-----------|---------------|---------------|----------|-----------------|-----------|---------------|---------------|----------|-----------------|-----------|--------|
| Tree             | No. : No. :  |        | No. Pts. : No. : | F. % : D. % : | F. % : D. % : | Dom. % : | I. I. : C. I. : | TR : ST : | F. % : D. % : | F. % : D. % : | Dom. % : | I. I. : C. I. : | TR : ST : | F. % : D. % : | F. % : D. % : | Dom. % : | I. I. : C. I. : | TR : ST : |        |
|                  | Pts. : Tr. : | Dom. : |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           | Sap. : |
| Acerrubrum       |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| A. saccharum     | 5            | 5      | 110              | 22            | 31            | 28.9     | 25.8            | 82        | 820           | 5.5           | 4.2      | 1.8             | 11.5      | 115.0         | 22            | 18.3     |                 |           |        |
| Carya cord.      | 17           | 22     | 502              | 28            | 59            | 36.8     | 49.2            | 129       | 1109.4        | 18.7          | 18.5     | 8.4             | 45.6      | 392.2         | 22.8          | 16.2     |                 |           |        |
| C. ovata         |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Celtis occiden.  |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Fagus grand.     |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Fraxinus amer.   |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| F. lanceolata    |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| F. pennsylvani   |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Juglans cinere   |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| J. nigra         |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Ostrya virgin.   |              |        |                  | 11            | 14            | 14.5     | 11.7            | 39.3      | 341.9         |               |          |                 |           |               |               |          |                 |           |        |
| Populus grand.   | 18           | 28     | 1043             | 2             | 3             | 2.6      | 2.5             | 7.7       | 33.1          | 19.8          | 23.5     | 17.4            | 60.7      | 261.0         | 37.2          | 37.2     |                 |           |        |
| P. tremuloides   |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Prunus serotin   | 10           | 10     | 535              | 2             | 2             | 2.6      | 1.7             | 6.5       | 23.4          | 11.0          | 8.4      | 8.9             | 28.3      | 101.9         | 53.5          | 38.2     |                 |           |        |
| Quercus alba     | 10           | 10     | 524              | 4             | 4             | 5.3      | 3.3             | 12.9      | 46.4          | 11.0          | 8.4      | 8.7             | 28.1      | 101.2         | 52.4          | 27.6     |                 |           |        |
| Q. ellipsoidalis |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Q. macrocarpa    | 1            | 1      | 75               |               |               |          |                 |           |               | 1.1           | .8       | 1.2             | 3.1       | 3.1           | 75            | 37.5     |                 |           |        |
| Q. rubra         | 13           | 22     | 1775             | 4             | 4             | 5.3      | 3.3             | 12.9      | 72.2          | 14.3          | 18.5     | 29.5            | 62.3      | 348.9         | 80.7          | 36.2     |                 |           |        |
| Q. velutina      |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| Tilia american   | 13           | 16     | 1272             | 3             | 3             | 3.9      | 2.5             | 9.6       | 70.1          | 14.3          | 13.4     | 21.2            | 48.9      | 357.0         | 79.5          | 20.9     |                 |           |        |
| Ulmus american   |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
| U. rubra         | 4            | 5      | 174              |               |               |          |                 |           |               | 4.4           | 4.2      | 2.9             | 11.5      | 94.3          | 34.8          | 24.9     |                 |           |        |
|                  |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
|                  |              |        |                  |               |               |          |                 |           |               |               |          |                 |           |               |               |          |                 |           |        |
|                  | 91           | 119    | 6010             | 76            | 120           | 99.9     | 100             | 299.9     | 2516.5        | 100.1         | 99.9     | 100             | 300       | 1774.6        |               |          |                 |           |        |

1.82 stem/tree  
Canopy 74.5%

+ 741.9

| stems            | 1 | 2 | 3 | 4 | 5 | Total | singles | multif. | tree | stems | % mult. | st/ft | mult. stems | stem/tree | #    | % sprd | % mult |      |
|------------------|---|---|---|---|---|-------|---------|---------|------|-------|---------|-------|-------------|-----------|------|--------|--------|------|
| <i>Q. alba</i>   | 5 | 1 | 4 |   |   | 10    | 5       | 5       | 10   | 19    | 50      | 1.9   | 5           | 14        | 2.8  | 5      | 50     | 100  |
| <i>Q. mac</i>    |   | 1 |   |   |   | 1     | 0       | 1       | 1    | 2     | 100     | 2     | 1           | 2         | 2    | 1      | 100    | 100  |
| <i>Q. rubra</i>  | 7 | 7 | 5 | 2 | 1 | 22    | 7       | 15      | 22   | 49    | 68.2    | 2.23  | 15          | 42        | 2.8  | 18     | 81.8   | 83.3 |
|                  |   |   |   |   |   |       | 12      | 21      | 33   | 70    | 63.6    | 2.12  | 21          | 58        | 2.76 |        |        |      |
| No <i>Q. mac</i> |   |   |   |   |   |       | 12      | 20      | 32   | 68    | 62.5    | 2.12  | 20          | 56        | 2.8  |        |        |      |

1545  
CI=1775

|                | Sap. | 12-<br>19 | 20-<br>28 | 29-<br>38 | 39-<br>50 | 51-<br>63 | 64-<br>78 | 79-<br>95 | 96-<br>113 | 114-<br>132 | 133-<br>153 | 154-<br>176 | 177-<br>201 | 202-<br>254 | 255-<br>314 | 315-<br>380 | 381-<br>452 |              |
|----------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Pop. trem.     |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Quercus ellip. |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Q. macrocarp.  |      |           |           |           |           | 10        |           |           |            |             |             |             |             |             |             |             | 3           | 10 3         |
| Q. velut.      |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Prun. serot.   | 7    | 2         | 2         | 1         | 2 2       | 3 0       |           | 2 0       |            |             |             |             |             |             |             |             |             | 28 10 9 11   |
| Querc. alba    | 15   | 4         |           | 6 8       | 2         |           | 2 0       |           |            |             |             |             |             |             |             |             |             | 28 10 9 25   |
| Pop. grand.    | 11   | 3         | 4         | 5         | 7         | 5         | 6         | 1         |            |             |             |             |             |             |             |             |             | 79 28        |
| Carya ovata    |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Querc. rubra   | 15   | 4         | 4 0       | 2 3       | 5 3       | 5 10      | 1 2       | 5 6       |            |             |             |             |             |             |             |             |             | 62 22 27 76  |
| Juglans nig.   |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Frax. amer.    |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Acer rubrum    |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Tilia amer.    | 11   | 3         | 3 3       | 7 2       | 3 12      | 3 9       |           |           |            |             |             |             |             |             |             |             |             | 45 16 45 126 |
| Jug. cinerea   |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Ulmus amer.    |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Celtis occ.    |      |           |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Ulm. rubra     |      |           | 2         | 2 2       |           | 1         |           |           |            |             |             |             |             |             |             |             |             | 14 5 2 6     |
| Carya cord.    | 213  | 59        | 17 4      | 4 3       | 1         |           |           |           |            |             |             |             |             |             |             |             |             | 62 22 9 25   |
| Ostrya virg.   | 51   | 14        |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             |              |
| Acer sacc.     | 113  | 31        | 3         | 2 0       |           |           |           |           |            |             |             |             |             |             |             |             |             | 14 50 3      |
|                |      | 120       |           |           |           |           |           |           |            |             |             |             |             |             |             |             |             | 119 98       |

Sap CI = 2516

#/acre

436

231.2

104.3

335

Grant Co.  
Univ. of Wisconsin  
3N 2W NE 25  
Stand No. 1545  
Quadrat No.

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Actaea pachypoda  
Adiantum pedatum  
Agrimonia gryposepala 12  
Allium tricoccum  
Amphicarpa braceata 25 10  
Anemone quinquefolia  
A. virginiana  
Anemonella thalictroides  
Antennaria sp.  
Aplectrum hiemale  
Apocynum androsaemifolium  
Aquilegia canadensis  
Aralia nudicaulis 8  
✓ A. racemosa  
Arenaria lateriflora  
✓ Arisaema atrorubens  
Asarum canadensis  
Aster macrophyllus  
A. sagittifolius 25  
A. shortii 23 45 6  
Athyrum filix-femina 4 7 8 11  
Botrychium virginianum 3  
Brachyelytrum erectum 6  
Campanula americana  
Carex albursina 4 12  
C. pensylvanica 25 16 12  
✓ Caulophyllum thalictroides  
Celastrus scandens 10  
Circaea quadrisulcata 5 6 7 8 10 12  
Claytonia virginiana  
Cornus alternifolia  
C. femina 29  
✓ C. rugosa 7  
Corylus americana 4 6 11  
Cryptotaenia canadensis 4  
Cypripedium pubescens  
Cystopteris fragilis  
Dentaria laciniata  
Desmodium glutinosum 1 2 3 4 5 8 12  
D. nudiflorum  
Dicentra cucullaria  
Dodecatheon meadia  
Dryopteris spinulosa  
Erigeron pulchellus  
Erythronium albidum  
Eupatorium purpureum

Eupatorium rugosum  
Festuca obtusa  
Fragaria virginiana 46  
Galium aparine  
G. circaeazans  
G. concinnum 25 9 10 11  
G. lanceolatum  
G. triflorum  
Geranium maculatum 34 8 10 12  
Gerardia grandiflora  
Geum canadense  
Goodyera pubescens  
Habenaria bracteata  
Hackelia virginica  
Hamamelis virginiana  
Helianthus strumosus  
Hepatica acutiloba  
Heuchera richardsonii  
Hydrastis canadensis  
Hydrophyllum virginianum  
Hystrix patula 11  
Impatiens capensis  
I. pallida  
Isopyrum biternatum  
Lactuca biennis  
Laportea canadensis  
Lathyrus ochroleucus  
✓ Lonicera prolifera  
Lysimachia quadrifolia  
Maianthemum canadensis  
Menispermum canadensis  
Mitella diphylla  
Monarda fistulosa  
Orchis spectabilis  
Oryzopsis racemosa  
Osmorhiza clayton. 1 10  
O. longistylis  
Osmunda claytoni  
Panax quinquefolia  
Panicum latifolium  
Parietaria pennsylvanica  
Parthenocissus inserta 1 2 3 4 5 6 7 8  
Phlox divaricata  
Phryma leptostachya 2  
Podophyllum peltatum 6  
Polemonium reptans

Polygonatum canaliculatum  
Polygonatum pubescens  
Potentilla simplex  
Prenanthes alba  
Pteridium aquilinum 3 11  
Pyrola elliptica  
Ranunculus abortivus 22  
R. recurvatus  
R. septentrionalis 23 11 12  
Rhus radicans  
Ribes americanum  
R. cynosbati 5 10  
R. missouriense  
Rosa sp.  
Rubus allegheniensis  
R. occidentalis  
R. strigosus  
Sambucus canadensis  
Sanguinaria canadensis 24 10 12  
Sanicula gregaria  
S. marilandica  
Smilacina racemosa 34 12  
S. stellata  
Smilax ecirrhata 10  
S. herbacea  
S. tamnoides  
Solidago altissima 12  
S. flexicaulis 13 5 10  
S. ulmifolia  
Thalictrum dioicum  
Tovara virginiana  
Trillium cernuum  
T. flexipes  
T. grandiflorum  
T. recurvatum  
Triosteum perfoliatum 3  
Uvularia grandiflora 4 10 12  
Veronicastrum virginicum  
Viburnum acerifolium  
V. rafinesquianum  
Viola cucullata 49  
V. pubescens  
Vitis aestivalis 2  
V. riparia 2  
Xanthoxylum americ.  
Zizia aurea

Ulmus 2 10  
Additional species:

• Prun serot 14 6 7 8  
• Prun virg 26 9  
• Quercus cord 2 10  
• P. alba 3

• Dioscorea 1 8 12  
• Ostrya 3 4 5 6 7 11  
• Acer sacc 7 8 10 12  
• Cirsium 7

SOUTHERN UPLAND HARDWOODS

1545

- |                                        |                                    |                                    |
|----------------------------------------|------------------------------------|------------------------------------|
| ✓ <i>Actaea pachypoda</i>              | <i>Galium aparine</i>              | ✓ <i>Pteridium aquilinum</i> 10    |
| ✓ <i>Adiantum pedatum</i> 20           | <i>G. circaeazans</i>              | <i>Pyrola elliptica</i>            |
| ✓ <i>Agrimonia gryposepala</i> 10      | ✓ <i>G. concinnum</i> 50           | <i>Ranunculus abortivus</i>        |
| <i>Amelanchier</i> spp.                | <i>G. lanceolatum</i>              | <i>R. recurvatus</i>               |
| ✓ <i>Amphicarpa bracteata</i> 20       | <i>G. triflorum</i>                | ✓ <i>R. septentrionalis</i> 25     |
| <i>Anemonella thalictroides</i>        | ✓ <i>Geranium maculatum</i> 40     | <i>Rhus radicans</i>               |
| ✓ <i>Apocynum androsaemifolium</i>     | <i>Geum canadense</i>              | ✓ <i>R. cynosbati</i> 25           |
| ✓ <i>Aralia nudicaulis</i> 5           | <i>Hackelia virginiana</i>         | <i>R. missouriense</i>             |
| ✓ <i>A. racemosa</i>                   | ✓ <i>Helianthus strumosus</i> 5    | <i>Rosa</i> sp.                    |
| <i>Arenaria lateriflora</i>            | <i>Hepatica acutiloba</i>          | <i>Rubus allegheniensis</i>        |
| ✓ <i>Arisaema atrorubens</i> 5         | <i>Hydrophyllum virginianum</i>    | <i>R. occidentalis</i>             |
| <i>Aster macrophyllus</i>              | ✓ <i>Hystrix patula</i> 10         | <i>R. strigosus</i>                |
| ✓ <i>A. sagittifolius</i> 25           | <i>Impatiens biflora</i>           | <i>Sambucus canadensis</i>         |
| ✓ <i>A. shortii</i> 40                 | ✓ <i>Lactuca biennis</i> 5         | ✓ <i>Sanguinaria canadensis</i> 40 |
| ✓ <i>Athyrium filix-femina</i> 30      | <i>Laportea canadensis</i>         | <i>Sanicula gregaria</i>           |
| ✓ <i>Botrychium virginianum</i> 5      | <i>Lathyrus ochroleucus</i>        | <i>S. marilandica</i>              |
| ✓ <i>Brachyelytrum erectum</i> 10      | ✓ <i>Lonicera prolifera</i>        | ✓ <i>Smilacina racemosa</i> 30     |
| <i>Carex albursina</i>                 | <i>Lysimachia quadrifolia</i>      | <i>S. stellata</i>                 |
| ✓ <i>C. convoluta</i> 15               | <i>Monarda fistulosa</i>           | ✓ <i>Smilax ecirrhata</i> 5        |
| ✓ <i>C. pensylvanica</i> 30            | ✓ <i>Osmorhiza claytoni</i> 10     | <i>S. herbacea</i>                 |
| ✓ <i>Caulophyllum thalictroides</i> 10 | <i>O. longistylis</i>              | ✓ <i>Solidago canadensis</i> 10    |
| ✓ <i>Celastrus scandens</i> 10         | <i>Oxalis violacea</i>             | ✓ <i>S. flexicaulis</i> 35         |
| ✓ <i>Circaea quadrisulcata</i> 45      | <i>Panicum latifolium</i>          | <i>S. ulmifolia</i>                |
| <i>Cornus alternifolia</i>             | <i>Parietaria pensylvanica</i>     | <i>Thalictrum dioicum</i>          |
| ✓ <i>C. femina</i> 20                  | ✓ <i>Parthenocissus vitacea</i> 95 | ✓ <i>Triosteum perfoliatum</i> 5   |
| ✓ <i>C. rugosa</i> 5                   | <i>Phlox divaricata</i>            | ✓ <i>Uvularia grandiflora</i> 35   |
| ✓ <i>Corylus americana</i> 20          | ✓ <i>Phryma leptostachya</i> 5     | <i>Veronicastrum virginicum</i>    |
| ✓ <i>Cryptotaenia canadensis</i> 15    | ✓ <i>Podophyllum peltatum</i> 5    | <i>Viburnum acerifolium</i>        |
| ✓ <i>Desmodium glutinosum</i> 5        | ✓ <i>Polemonium reptans</i> 5      | <i>V. lentago</i>                  |
| <i>D. nudiflorum</i>                   | <i>Polygonatum canaliculatum</i>   | <i>V. rafinesquianum</i>           |
| ✓ <i>Dioscorea villosa</i> 20          | <i>P. pubescens</i>                | ✓ <i>Viola cucullata</i> 15        |
| <i>Eupatorium purpureum</i>            | <i>Polygonum virginianum</i>       | ✓ <i>V. pubescens</i> 5            |
| <i>E. rugosum</i>                      | <i>Potentilla simplex</i>          | <i>Vitris aestivalis</i>           |
| <i>Festuca obtusa</i>                  | <i>Prenanthes alba</i>             | ✓ <i>V. riparia</i> 15             |
| ✓ <i>Fragaria virginiana</i> 10        | ✓ <i>Prunus virginiana</i> 15      | <i>Zanthoxylum americanum</i>      |

Additional species:

- *Cirsium* 5

- *Staphylea* 5

- ✓ *Acer sacce* 35
- ✓ *Carya cord.* 30
- ✓ *Ostrya* 40
- ✓ *Prunus serot* 55
- ✓ *Q alba* 5
- ✓ *Ulmus* 25

Presence or Frequency  
(Common species only)

## SOUTHERN UPLAND HARDWOODS

Stand No. 1545  
Quadrat No.

P. 2  
Actaea pachypoda  
Adiantum pedatum 46810  
Agrimonia gryposepala 4  
Allium tricoccum  
Amphicarpa braceata  
Anemone quinquefolia  
A. virginiana  
Anemonella thalictroides  
Antennaria sp.  
Aplectrum hiemale  
Apocynum androsaemifolium  
Aquilegia canadensis  
Aralia nudicaulis  
A. racemosa  
Arenaria lateriflora  
Arisaema atrorubens 7  
Asarum canadensis  
Aster macrophyllus  
A. sagittifolius (13) 57  
A. shortii 678  
Athyrum filix-femina 56  
Botrychium virginianum  
Brachyelytrum erectum 6  
Campanula americana  
Carex albursina 9  
C. pensylvanica 67  
Caulophyllum thalictroides 56  
Celastrus scandens 9  
Circaea quadrisulcata 567  
Claytonia virginiana  
Cornus alternifolia  
C. femina 57  
C. rugosa  
Corylus americana (13)  
Cryptotaenia canadensis 49  
Cypripedium pubescens  
Cystopteris fragilis  
Dentaria laciniata  
Desmodium glutinosum 578  
D. nudiflorum  
Dicentra cucullaria  
Dodecatheon meadia  
Dryopteris spinulosa  
Erigeron pulchellus  
Erythronium albidum  
Eupatorium purpureum

Eupatorium rugosum  
Festuca obtusa  
Fragaria virginiana  
Galium aparine  
G. circaezans  
G. concinnum 4579  
G. lanceolatum  
G. triflorum  
Geranium maculatum (13) 45  
Gerardia grandiflora  
Geum canadense  
Goodyera pubescens  
Habenaria bracteata  
Hackelia virginica  
Hamamelis virginiana  
Helianthus strumosus  
Hepatica acutiloba  
Heuchera richardsonii  
Hydrastis canadensis  
Hydrophyllum virginianum  
Hystrix patula 7  
Impatiens capensis  
I. pallida  
Isopyrum biternatum  
Lactuca biennis  
Laportea canadensis  
Lathyrus ochroleucus  
Lonicera prolifera  
Lysimachia quadrifolia  
Maianthemum canadensis  
Menispermum canadensis  
Mitella diphylla  
Monarda fistulosa  
Orchis spectabilis  
Oryzopsis racemosa  
Osmorhiza clayton.  
O. longistylis  
Osmunda claytoni  
Panax quinquefolia  
Panicum latifolium  
Parietaria pennsylvanica  
Parthenocissus inserta 45678  
Phlox divaricata  
Phryma leptostachya  
Podophyllum peltatum  
Polemonium reptans 7

Polygonatum canaliculatum  
Polygonatum pubescens  
Potentilla simplex  
Prenanthes alba  
Pteridium aquilinum  
Pyrola elliptica  
Ranunculus abortivus  
R. recurvatus  
R. septentrionalis 7  
Rhus radicans  
Ribes americanum  
R. cynosbati 678  
R. missouriense  
Rosa sp.  
Rubus allegheniensis  
R. occidentalis  
R. strigosus  
Sambucus canadensis  
Sanguinaria canadensis (13) 429  
Sanicula gregaria  
S. marilandica  
Smilacina racemosa (13) 58  
S. stellata  
Smilax ecirrhata  
S. herbacea  
S. tamnoides  
Solidago altissima 9  
S. flexicaulis 589  
S. ulmifolia  
Thalictrum dioicum  
Tovara virginiana  
Trillium cernuum  
T. flexipes  
T. grandiflorum  
T. recurvatum  
Triosteum perfoliatum  
Uvularia grandiflora 567  
Veronicastrum virginicum  
Viburnum acerifolium  
V. rafinesquianum  
Viola cucullata 7  
V. pubescens 9  
Vitis aestivalis (13) 7  
V. riparia 13, 17  
Xanthoxylum americ.  
Zizia aurea

Additional species:

Acer sacce (13) 510  
Ulmus (13) 10  
Prunus (13) 45 678  
Carya cord 4 8 9 10  
Ostrya 4 10

Dioscorea (13)  
Staphylea (13)

Soil No.  $\frac{1}{4}$   
A 11" - 3" - 5" deep  
B yellow loess

113  
 110 50 120 40 30 50  
 95 40 45 40  
 1/4  
 3" - 5" deep  
 yellow

1545

CI = 1773

SAP 2516 + 2

H - 336 S

