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UNIVERSITY OF WISCONSIN-MADISON

## **Site 6096 (Boreal Stand 96): Sucker Lake, Alger County, Michigan, Township 48N, Range 14W, Section 30. 1956-08-01**

[s.l.]: [s.n.], 1956-08-01

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## STAND RECORD

## FORESTS

Stand No. 96

30 yd. int.

Name: *Sucker Lake*County: *Alger Co., N. Mich.*Date: *Aug. 1, 1956*Size of Stand *150 acres*Forest Type: *Maple-beech-hemlock-fir-spruce.*

Topography:

*level to gently rolling*T: *48N*R: *14W*Sec: *30*Locality: *2 mi. W. of Sucker Lake on Hy M. 77  
2 mi. N. of Schoolcraft County line*

Observers:

*PFM, JEM*

Size of Area Sampled:

Soil Type: *Sand.*

Slope:

*slight*

Directions

*to East.*

## Condition of Stand:

*Previously logged for pine & burned.**Beautiful Mesic site**Fine stand - only logged for few pine, no other disturbance.*

## Open Grown Trees:

## % Canopy:

## Stumps:

|    |    |    |     |
|----|----|----|-----|
| 1. | 4. | 7. | 10. |
| 2. | 5. | 8. | 11. |
| 3. | 6. | 9. | 12. |

## Soil Data:

|                | pH | N | P | K | Ca | Mg | Org. Mat. | Colloids | W.H.C. |
|----------------|----|---|---|---|----|----|-----------|----------|--------|
| A <sub>0</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>1</sub> |    |   |   |   |    |    |           |          |        |
| A <sub>2</sub> |    |   |   |   |    |    |           |          |        |
| B              |    |   |   |   |    |    |           |          |        |

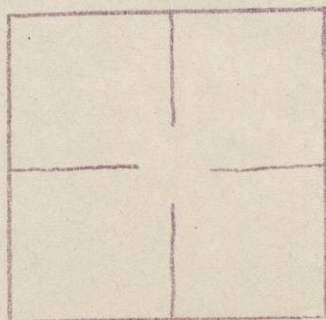
## DEPTH

## CHARACTERISTICS (Color, Texture, Structure, etc.)

|                |                        |                       |                       |
|----------------|------------------------|-----------------------|-----------------------|
| A <sub>0</sub> | <i>1" leaves</i>       | <i>3-4" leaves</i>    | <i>1/2" leaves</i>    |
| A <sub>1</sub> | <i>1" black pine</i>   | <i>2" black pine</i>  | <i>1 1/2" black</i>   |
| A <sub>2</sub> | <i>2-3" grey brown</i> | <i>8" grey</i>        | <i>6-8" grey</i>      |
| B              | <i>red brown sand</i>  | <i>red brown sand</i> | <i>red brown sand</i> |

## Parent Material:

## Map:





STAND 96  
30 yd inter.

## Sucker Lake

2 mi W. of Sucker L. on Hy M77, 2 mi N. County line of Schoolcraft  
Alger Co, N. Michigan

Aug 1, 1956

Stand - 150 acres

Topography - level to gently rolling

Slope to E - slight

Type - Maple - Beech - Hemlock - Spruce - Fir

## Condition

Logged for pine & burned

Beautiful Mesic site

Fine stand - only logged for pine

## Soils - Sand

A<sub>0</sub> - 1" leaves

A<sub>1</sub> - 1" black fine

A<sub>2</sub> - 2-3" grey brown

B - red brown sand

A<sub>0</sub> 3-4" leaves

A<sub>1</sub> 2" black fine

A<sub>2</sub> - 8" " grey

B - red brown sand

A<sub>0</sub> - 1/2 leaves

A<sub>1</sub> - 1 1/2 black

A<sub>2</sub> - 6-8" grey

B - red brown sand



## TREE DATA SUMMARY SHEET

*spruce-fir, spruce-fir-mixed hardwoods.*  
~~Northern Pine-Hardwoods~~

Station Number: 6096

| TREE        | # PTS | # TRS | DOM. CLASSES |      |     | TOT. DOM. | # SAP | D. % SAP | F. % SDL. | F. % TRS. | % SUM F. TR. | D. % TRS. | DOM% TRS. | DFD INDEX | C. I. |
|-------------|-------|-------|--------------|------|-----|-----------|-------|----------|-----------|-----------|--------------|-----------|-----------|-----------|-------|
|             |       |       | -80          | -320 | 321 |           |       |          |           |           |              |           |           |           |       |
| Abies bals  | 15    | 18    |              |      |     | 923       | 28    | 17.5     |           | 37.5      | 12.1         | 11.2      | 4.0       | 27.3      |       |
| Acer rubru  | 22    | 32    |              |      |     | 2758      | 48    | 30.0     |           | 55.0      | 17.7         | 20.0      | 12.0      | 49.7      |       |
| A. sacchar  | 18    | 25    |              |      |     | 2932      | 31    | 19.4     |           | 45.0      | 14.5         | 15.6      | 12.7      | 42.8      |       |
| A. spicatu  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Betula lut  | 20    | 24    |              |      |     | 5375      |       |          |           | 50.0      | 16.1         | 15.0      | 23.3      | 54.4      |       |
| B. papyrif  | 1     | 1     |              |      |     | 23        |       |          |           | 2.5       | 0.8          | 0.6       | 0.1       | 1.5       |       |
| Carpinus c  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Fagus gran  | 17    | 22    |              |      |     | 3580      | 22    | 13.8     |           | 42.5      | 13.7         | 13.8      | 15.8      | 43.3      |       |
| Ostrya vir  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Picea glau  | 9     | 9     |              |      |     | 377       | 9     | 5.6      |           | 22.5      | 7.2          | 5.6       | 1.6       | 14.4      |       |
| Pinus Bank  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| P. resinosa |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| P. Strobus  | 4     | 6     |              |      |     | 631       | 2     | 1.3      |           | 10.0      | 3.2          | 3.7       | 2.7       | 9.6       |       |
| Populus ba  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| P. grandid  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| P. tremulo  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Prunus pen  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Quercus el  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Q. rubra    |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Tilia amer  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Tsuga cana  | 15    | 19    |              |      |     | 6180      | 19    | 11.9     |           | 37.5      | 12.1         | 12.0      | 26.9      | 51.0      |       |
| Thuja occi  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Ulmus amer  |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| U. fulva    |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| Prunus ser. | 3     | 4     |              |      |     | 220       | 1     | 0.6      |           | 7.5       | 2.6          | 2.5       | 0.9       | 6.0       |       |
|             |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
|             |       |       |              |      |     |           |       |          |           |           |              |           |           |           |       |
| TOTALS      | 124   | 160   |              |      |     | 22,999    | 160   | 100.0    |           | 310.0     | 100.0        | 100.0     | 100.0     | 300.0     |       |

AVE. DIST. BTW'N TREES:

13.3

AVE B. A.:

143.7

# TREES/ACRE:

246

DOM./ACRE:

35,350



## POINT RECORD TREES

## NORTHERN PINE-HARDWOODS

Stand No. 96(1)

[illegible]



## POINT RECORD TREES

## NORTHERN PINE-HARDWOODS

Stand No. 9671

| STATION NO.  | 1         | 2     | 3        | 4        | 5      | 6       | 7             | 8        | 9       | 10        |
|--------------|-----------|-------|----------|----------|--------|---------|---------------|----------|---------|-----------|
| Abies balsam | 7 1/2-27  | 11    |          | 26-35    |        |         |               | 7        | 26-35   | 4         |
| Acer rubrum  | 4 1/8     | 8-95  | 4 7-35   | 5 32-15  | 23-60  | 18      |               | 4-110    | 10 1/2  | 7-110     |
| A. sacchar.  | 8 1/2-560 |       | 4 16-210 | 14 14-15 | 15-20  | 17 6-17 | 5 27-85       | 12 12-95 | 12 5-40 | 8 4-35    |
| A. spicatum  |           |       |          |          |        |         |               |          |         |           |
| Betula lut.  | 9-110     |       |          | 7-140    | 19-270 | 15-270  |               |          |         | 6 1/2-670 |
| B. papyrif   |           |       |          |          |        |         |               |          |         |           |
| Carpinus car |           |       |          |          |        |         |               |          |         |           |
| Fagus gran   |           |       |          |          | 15     | 7-220   | 10 13 1/2-135 | 24       |         | 4         |
| Ostrya virg  |           |       |          |          |        |         |               |          |         |           |
| Picea glau   |           |       |          |          |        |         |               |          |         | 23-130    |
| Pinus Bank   |           |       |          |          |        |         |               |          |         |           |
| P. resinosa  |           |       |          |          |        |         |               |          |         |           |
| P. Strobus   |           |       |          |          |        |         |               | 4-115    |         |           |
| Populus bals |           |       |          |          |        |         |               |          |         |           |
| P. grand     |           |       |          |          |        |         |               |          |         |           |
| P. trem      |           |       |          |          |        |         |               |          |         |           |
| Prunus pen.  | 26-55     | 19-55 |          |          |        |         |               |          |         |           |
| Quercus ell  |           | 17-55 |          |          |        |         |               |          |         |           |
| Q. rubra     |           |       |          |          |        |         |               |          |         |           |
| Tilia amer   |           |       |          |          |        |         |               |          |         |           |
| Tsuga can    |           |       |          |          | 9-55   |         |               |          |         | 18-95     |
| Thuja occ    |           |       |          |          |        |         |               |          |         |           |
| Ulmus amer   |           |       |          |          |        |         |               |          |         |           |
| U. fulva     |           |       |          |          |        |         |               |          |         |           |
| Canopy       | 90        | 75    | 85       | 90       | 95     | 90      | 80            | 85       | 70      | 65        |
| Distance     | 4         | 3     | 1 1/2    | 2        | 1      | 3       | 2             | 2 1/2    | 3       | 2         |



## POINT RECORD TREES

## NORTHERN PINE-HARDWOODS

Stand No. 96 (5)

| STATION NO.  | 1              | 2           | 3              | 4                      | 5        | 6                     | 7                | 8                               | 9        | 10               |
|--------------|----------------|-------------|----------------|------------------------|----------|-----------------------|------------------|---------------------------------|----------|------------------|
| Abies balsam |                | 3-35        | 4<br>13 1/2    |                        | 17-45 13 |                       |                  | 23 8 1/2-30<br>4 1/2            | 7<br>13  |                  |
| Acer rubrum  |                | 15-21 19    | 21-45 17       | 3                      |          | 16-95 6               |                  | 16-40 9                         |          | 15-260           |
| A. sacchar.  | 20-135 7<br>23 |             |                |                        |          | 8 1/2-150 12<br>11    |                  |                                 |          | 14 1/2-95 6<br>5 |
| A. spicatum  |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Betula lut.  | 23-35          | 20-32       | 12 1/2-27 1/2  | 18-580                 |          | 16-235                |                  |                                 | 6 1/2-80 | 17-65            |
| B. papyrif   |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Carpinus car |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Fagus gran   | 8-170<br>16-60 |             | 5 16-185<br>14 | 5 10 1/2-245<br>19-175 | 7 15-90  | 9 1/2 17-75<br>22-275 | 25 30-35         | 18 8 1/2-120<br>14-80<br>18-275 |          | 3<br>8 1/2       |
| Ostrya virg  |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Picea glau   |                |             |                | 17-13 15               | 7-30 7   |                       | 15               |                                 |          | 21-12            |
| Pinus Bank   |                |             |                |                        |          |                       |                  |                                 |          |                  |
| P. resinosa  |                |             |                |                        |          |                       |                  |                                 |          |                  |
| P. Strobus   |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Populus bals |                |             |                |                        |          |                       |                  |                                 |          |                  |
| P. grand     |                |             |                |                        |          |                       |                  |                                 |          |                  |
| P. trem      |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Prunus pen.  |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Quercus ell  |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Q. rubra     |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Tilia amer   |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Tsuga can    | 14 1/2<br>15   | 6-14 7<br>9 |                | 6-720                  | 13       |                       | 17-880<br>23-856 | 14-80 6<br>9                    | 13       |                  |
| Thuja occ    |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Ulmus amer   |                |             |                |                        |          |                       |                  |                                 |          |                  |
| U. fulva     |                |             |                |                        |          |                       |                  |                                 |          |                  |
| Distance     | 85<br>3        | 85<br>1 1/2 | 70<br>1        | 65<br>2                | 90<br>2  | 75<br>3               | 70<br>2 1/2      | 90<br>1 1/2                     | 70<br>3  | 95<br>3          |



Stand No. 96 (4)

| STATION NO.  | 1                | 2                  | 3           | 4                     | 5           | 6                      | 7                              | 8         | 9             | 10         |
|--------------|------------------|--------------------|-------------|-----------------------|-------------|------------------------|--------------------------------|-----------|---------------|------------|
| Abies balsam |                  |                    | 10-215<br>6 | 17 3-40<br>4-16       | 11-50<br>14 | 12-23                  | 4-25<br>10                     | 20<br>6   | 11            |            |
| Acer rubrum  | 7 6-18<br>22-95  | 13 5-60<br>10 7-80 | 19 8 1/2    | 7 5-23<br>14 6 1/2-90 | 1 10<br>15  | 9 12                   | 15 3-230<br>15-21<br>10 1/2-20 | 5 10      | 4 11-80<br>10 | 8 10<br>18 |
| A. sacchar.  | 10-65            |                    |             |                       |             |                        |                                |           |               |            |
| A. spicatum  |                  |                    |             |                       |             |                        |                                |           |               |            |
| Betula lut.  | 11 1/2-30        | 16-240<br>17-85    |             | 5-85                  |             |                        |                                |           | 5-45<br>23-75 |            |
| B. papyrif   |                  |                    |             |                       |             |                        |                                |           |               |            |
| Carpinus car |                  |                    |             |                       |             |                        |                                |           |               |            |
| Fagus gran   | 9 1/2-410<br>14  | 6 29-230           |             |                       |             |                        | 6-150                          | 13 1/2-45 | 32-150        | 7 1/2-25-1 |
| Ostrya virg  |                  |                    |             |                       |             |                        |                                |           |               |            |
| Picea glau   |                  |                    |             | 6-12                  |             |                        |                                |           | 8 1/2 8-25    | 7 17-30    |
| Pinus Bank   |                  |                    |             |                       |             |                        |                                |           |               |            |
| P. resinosa  |                  |                    |             |                       |             |                        |                                |           |               |            |
| P. Strobus   |                  |                    |             | 10                    |             | 10 1/2-65<br>10 1/2-50 | 2 5-15<br>7-16                 |           |               |            |
| Populus bals |                  |                    |             |                       |             |                        |                                |           |               |            |
| P. grand     |                  |                    |             |                       |             |                        |                                |           |               |            |
| P. trem      |                  |                    |             |                       |             |                        |                                |           |               |            |
| Prunus pen.  |                  |                    |             |                       |             |                        |                                |           |               |            |
| Quercus ell  |                  |                    |             |                       |             |                        |                                |           |               |            |
| Q. rubra     |                  |                    |             |                       |             |                        |                                |           |               |            |
| Tilia amer   |                  |                    |             |                       |             |                        |                                |           |               |            |
| Tsuga can    | 18 1/2-320<br>18 |                    |             |                       | 8-160       | 5 1/2-250              | 11 6                           |           |               | 30-480     |
| Thuja occ    |                  |                    |             |                       |             |                        |                                |           |               |            |
| Ulmus amer   |                  |                    |             |                       |             |                        |                                |           |               |            |
| U. fulva     |                  |                    |             |                       |             |                        |                                |           |               |            |
|              |                  |                    |             |                       |             |                        |                                |           |               |            |
|              |                  |                    |             |                       |             |                        |                                |           |               |            |
| Canopy       | 80               | 75                 | 85          | 70                    | 75          | 65                     | 85                             | 90        | 85            | 80         |
| Distance     | 2                | 1 1/4              | 2           | 2 1/4                 | 3           | 2                      | 3                              | 1 1/2     | 2             | 3          |



University of Wisconsin  
STAND NO. 96

[illegible]







[illegible]



[illegible]



[illegible]



|                            | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |    |
|----------------------------|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|---|---|---|---|---|----|
| Podophyllum peltatum       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polygala paucifolia        |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polygonatum biflorum       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polygonatum pubescens      |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polygonum cilinode         |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polymnia canadensis        |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Polypodium virginianum     |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Potentilla canadensis      |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Potentilla norvegica       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Potentilla simplex         |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Potentilla tridentata      |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Prenanthes alba            |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Primula mistassinaca       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Prunella vulgaris          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Prunus pumila              |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pteretis pensylvanica      |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pteridium aquilinum        | ✓ |   | ✓ |   |   | ✓ |   | ✓ |   |   |    | ✓ |   |   |   |   |   | ✓ |   |   |   | 5 | 25 |
| Pyrola asarifolia          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola elliptica           |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola grandiflora         |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola minor               |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola rotundifolia        |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola secunda             |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrola virens              |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrus floribunda           |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Pyrus melanocarpa          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus abortivus       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus acris           |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus pensylvanicus   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus recurvatus      |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus repens          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ranunculus septentrionalis |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rhamnus alnifolia          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rhus glabra                |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rhus radicans              |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rhus typhina               |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rhus vernix                |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes americanum           |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes cynosbati            |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes glandulosum          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes hirtellum            |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes lacustre             |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes oxycanthoides        |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Ribes triste               |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rosa sp.                   |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus allegheniensis       |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus idaeus               |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus hispidus             |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus odoratus             |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus parviflorus          |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus pubescens            |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |
| Rubus (blackberry)         |   |   |   |   |   |   |   |   |   |   |    |   |   |   |   |   |   |   |   |   |   |   |    |



[illegible]



[illegible]



[illegible]



## PRESENCE LIST

## SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 96

## TREES

✓ *Abies balsamea*  
 ✓ *Acer pensylvanicum*  
 ✓ *Acer rubrum*  
 ✓ *Acer saccharum*  
*Acer spicatum*  
 ✓ *Amelanchier* spp.  
 ✓ *Betula lutea*  
 ✓ *Betula papyrifera*  
*Carpinus caroliniana*  
*Crataegus* spp.  
 ✓ *Fagus grandifolia*  
*Fraxinus americana*

*Fraxinus nigra*  
*Fraxinus pennsylvanicum*  
*Larix laricina*  
*Ostrya virginiana*  
 ✓ *Picea glauca*  
*Picea mariana*  
*Pinus banksiana*  
*Pinus resinosa*  
 ✓ *Pinus strobus*  
*Populus balsamifera*  
*Populus grandidentata*  
*Populus tremuloides*

*Prunus nigra*  
*Prunus pensylvanica*  
*Prunus serotina*  
*Prunus virginiana*  
 ✓ *Pyrus americana*  
*Pyrus decora*  
*Quercus rubra* var. *borealis*  
 ✓ *Thuja occidentalis*  
*Tilia americana*  
 ✓ *Tsuga canadensis*  
*Ulmus americana*  
*Ulmus rubra*

## SHRUBS

*Alnus crispa*  
*Alnus rugosa*  
*Arctostaphylos uva-ursi*  
*Celastrus scandens*  
*Chamaedaphne calyculata*  
*Comptonia peregrina*  
*Cornus alternifolia*  
*Cornus racemosa*  
*Cornus rugosa*  
*Cornus stolonifera*  
*Corylus americana*  
*Corylus cornuta*  
*Diervilla lonicera*  
*Dirca palustris*  
*Empetrum nigrum*  
*Gaylussaccia baccata*  
*Hamamelis virginiana*  
*Ilex verticillata*  
*Juniperus communis*  
*Juniperus horizontalis*  
*Ledum groenlandicum*  
 ✓ *Lonicera canadensis*  
*Lonicera dioica*

*Lonicera hirsutum*  
*Lonicera involucrata*  
*Lonicera oblongifolia*  
*Lonicera villosa*  
*Parthenocissus quinquefolia*  
*Parthenocissus vitacea*  
*Prunus pumila*  
*Pyrus melanocarpa*  
*Rhamnus alnifolia*  
*Rhus glabra*  
*Rhus typhina*  
*Ribes americanum*  
*Ribes cynosbati*  
*Ribes glandulosum*  
*Ribes hirtellum*  
*Ribes lacustre*  
*Ribes oxycanthoides*  
*Ribes triste*  
*Rosa* sp.  
*Rubus allegheniensis*  
*Rubus* (blackberry)  
*Rubus* (dewberry)  
*Rubus* (raspberry)

*Rubus idaeus*  
*Rubus parviflorus*  
*Salix* sp.  
*Sambucus canadensis*  
*Sambucus pubens*  
*Shepherdia canadensis*  
*Smilax tamnoides* var. *hispida*  
*Spiraea alba*  
*Spiraea latifolia*  
*Symphoricarpos albus*  
*Symphoricarpos occidentalis*  
*Taxus canadensis*  
*Vaccinium angustifolium*  
 ✓ *Vaccinium myrtilloides*  
*Vaccinium vitis-idaea*  
*Viburnum acerifolium*  
 ✓ *Viburnum cassinoides*  
*Viburnum edule*  
*Viburnum lentago*  
*Viburnum rafinesquianum*  
*Viburnum trilobum*  
*Vitis vulpina*  
*Zanthoxylum americanum*

## HERBS

*Achillea millefolium*  
*Actaea pachypoda*  
*Actaea rubra*  
*Adiantum pedatum*  
*Agrimonia gryposepala*  
*Agrostis perennans*  
*Allium tricoccum*  
*Amphicarpa bracteata*  
*Anaphalis margaritacea*  
*Anemone canadensis*  
*Anemone cylindrica*  
*Anemone quinquefolia*  
*Anemone virginiana*  
*Antennaria* sp.  
*Apocynum androsaemifolium*  
*Aquilegia canadensis*  
 ✓ *Aralia nudicaulis*  
*Aralia racemosa*  
 ✓ *Arisaema atrorubens*  
*Asarum canadense*  
*Asclepias exaltata*  
*Aster furcatus*  
*Aster macrophyllus*  
*Aster nova-angliae*  
*Aster paniculatus*

*Aster puniceus*  
*Aster sagittifolius*  
*Aster umbellatus*  
 ✓ *Athyrium filix-femina*  
*Athyrium thelypteroides*  
*Botrychium lunaria*  
*Botrychium matricariaefolium*  
*Botrychium multifidum*  
*Botrychium virginianum*  
*Calypso bulbosa*  
*Campanula rotundifolia*  
*Carex arctata*  
 ✓ *Carex intumescens*  
*Carex pensylvanica*  
*Carex woodii*  
*Carex* spp.  
*Chimaphila umbellata*  
*Chrysanthemum leucanthemum*  
*Chrysosplenium americanum*  
*Cinna latifolia*  
*Circaea alpina*  
*Claytonia caroliniana*  
*Claytonia virginiana*  
*Clematis virginiana*  
*Clematis verticillaris*

✓ *Clintonia borealis*  
*Comandra richardsiana*  
*Comandra umbellata*  
 ✓ *Coptis groenlandicum*  
 ✓ *Corallorhiza maculata*  
*Corallorhiza striata*  
*Corallorhiza trifida*  
 ✓ *Cornus canadensis*  
*Corydalis sempervirens*  
*Cynoglossum officinale*  
*Cypripedium acaule*  
*Cypripedium calceolus* var. *pubescens*  
 ✓ *Cystopteris fragilis*  
*Dalibarda repens*  
*Desmodium glutinosum*  
*Dicentra canadensis*  
*Dicentra cucullaria*  
*Dryopteris cristata*  
*Dryopteris disjuncta*  
*Dryopteris goldiana*  
*Dryopteris marginalis*  
*Dryopteris phegopteris*  
 ✓ *Dryopteris spinulosa*



## PRESENCE LIST

## SPRUCE-FIR - MIXED HARDWOODS

S-96

*Epigaea repens*  
*Epilobium angustifolium*  
*Epilobium glandulosum*  
*Epilobium strictum*  
*Equisetum pratense*  
*Equisetum sylvaticum*  
*Erigeron annuus*  
*Erigeron philadelphicus*  
*Erigeron strigosus*  
*Erythronium albidum*  
*Erythronium americanum*  
*Fragaria vesca*  
*Fragaria virginiana*  
*Galium aparine*  
*Galium boreale*  
*Galium concinnum*  
*Galium lanceolatum*  
*Galium triflorum*  
*Gaultheria hispidula*  
*Gaultheria procumbens*  
*Gentiana andrewsii*  
*Gentiana crinata*  
*Gentiana quinquefolia*  
*Geocaulon lividum*  
*Geranium bicknelli*  
*Geranium maculatum*  
*Geum rivale*  
*Goodyera repens*  
*Goodyera tessellata*  
*Habenaria hyperborea*  
*Habenaria orbiculata*  
*Habenaria psycodes*  
*Habenaria viridis*  
*Halenia deflexa*  
*Helianthus strumosus*  
*Hepatica acutiloba*  
*Hepatica americana*  
*Hieracium aurantiacum*  
*Hieracium canadense*  
*Hieracium scabrum*  
*Impatiens capensis*  
*Iris lacustris*  
*Isopyrum biternatum*  
*Lathyrus ochroleucus*  
*Linnaea borealis*  
*Lobelia inflata*  
*Lycopodium annotinum*  
*Lycopodium clavatum*  
*Lycopodium clavatum var. megastachyon*  
*Lycopodium complanatum*  
*Lycopodium inundatum*

*Lycopodium lucidulum*  
*Lycopodium obscurum*  
*Lycopodium obscurum var. dendroideum*  
*Lycopodium selago*  
*Lycopodium tristachyum*  
*Lysimachia ciliata*  
*Lysimachia quadrifolia*  
*Lysimachia terrestris*  
*Maianthemum canadense*  
*Malaxis unifolia*  
*Medeola virginiana*  
*Melampyrum lineare*  
*Mitchella repens*  
*Mitella diphylla*  
*Mitella nuda*  
*Moneses uniflora*  
*Monotropa hypopithys*  
*Monotropa uniflorus*  
*Onoclea sensibilis*  
*Orchis spectabilis*  
*Osmorhiza claytoni*  
*Osmorhiza longistylis*  
*Osmunda cinnamomea*  
*Osmunda claytoniana*  
*Oxalis montana*  
*Oxalis stricta*  
*Panax quinquefolius*  
*Panax trifolius*  
*Petasites palmatus*  
*Phlox divaricata*  
*Poa compressa*  
*Poa pratensis*  
*Polygala paucifolia*  
*Polygonatum biflorum*  
*Polygonatum pubescens*  
*Polymnia canadensis*  
*Polypodium virginianum*  
*Potentilla norvegica*  
*Potentilla simplex*  
*Potentilla tridentata*  
*Prenanthes alba*  
*Primula mistassinica*  
*Prunella vulgaris*  
*Pteridium aquilinum*  
*Pyrola asarifolia*  
*Pyrola elliptica*  
*Pyrola minor*  
*Pyrola rotundifolia*  
*Pyrola secunda*  
*Pyrola virens*  
*Ranunculus abortivus*

*Ranunculus acris*  
*Ranunculus pensylvanicus*  
*Ranunculus recurvatus*  
*Ranunculus repens*  
*Ranunculus septentrionalis*  
*Rhus radicans*  
*Rubus pubescens*  
*Sanguinaria canadensis*  
*Sanicula marilandica*  
*Satureja vulgaris*  
*Schizachne purpurascens*  
*Scutellaria epilobiifolia*  
*Scutellaria lateriflora*  
*Smilacina racemosa*  
*Smilacina stellata*  
*Smilacina trifolia*  
*Smilax herbacea*  
*Solidago canadensis*  
*Solidago flexicaulis*  
*Solidago graminifolia*  
*Solidago ulmifolia*  
*Stellaria calycantha*  
*Streptopus amplexifolius*  
*Streptopus roseus*  
*Taraxacum officinale*  
*Thalictrum dioicum*  
*Thalictrum polygamum*  
*Tiarella cordifolia*  
*Trientalis borealis*  
*Trillium cernuum*  
*Trillium erectum*  
*Trillium grandiflorum*  
*Trillium undulatum*  
*Uvularia grandiflora*  
*Uvularia sessilifolia*  
*Vicia americana*  
*Viola adunca*  
*Viola blanda*  
*Viola canadensis*  
*Viola conspersa*  
*Viola cucullata*  
*Viola incognita*  
*Viola nephrophylla*  
*Viola pallens*  
*Viola papilionacea*  
*Viola pubescens*  
*Viola renifolia*  
*Viola selkirkii*  
*Viola sororia*  
*Waldsteinia fragarioides*

## Additional species

*Morus*  
*Ficus*  
*Carex pedunculata*  
*Brachygletrum erectum*  
*Smilax sp.*  
*Carex stricta*



FREQUENCY DATA  
(Common Species)

## SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 96(1)

## TREE SEEDLINGS

Abies balsamea  
Acer pensylvanicum  
098654321 Acer rubrum  
075422 Acer saccharum  
Acer spicatum  
076 Betula lutea  
Betula papyrifera  
954 Amelanchier sp

0953 Fagus grandifolia  
Larix laricina  
Ostrya virginiana  
Picea glauca  
Picea mariana  
Pinus banksiana  
Pinus resinosa

Pinus strobus  
Populus tremuloides  
3 Prunus pensylvanica  
Prunus serotina  
Thuja occidentalis  
Tilia americana  
Tsuga canadensis

8642 Prunus serot

## SHRUBS

Alnus rugosa  
Arctostaphylos uva-ursi  
Comptonia peregrina  
Corylus americana  
Corylus cornuta  
Diervilla lonicera  
Dirca palustris  
Ilex verticillata  
Ledum groenlandicum  
21 Lonicera canadensis

Prunus pumila  
Pyrus melanocarpa  
Ribes cynosbati  
Ribes glandulosum  
Ribes lacustre  
Rosa sp.  
Rubus (blackberry)  
Rubus (dewberry)  
Rubus (raspberry)  
Rubus idaeus

Rubus parviflorus  
Sambucus pubens  
Shepherdia canadensis  
Spiraea alba  
Symphoricarpos occidentalis  
Taxus canadensis  
Vaccinium angustifolium  
1 Vaccinium myrtilloides  
Viburnum acerifolium  
Viburnum trilobum

## HERBS

Actaea pachypoda  
Actaea rubra  
Adiantum pedatum  
Anaphalis margaritacea  
Anemone cylindrica  
Anemone quinquefolia  
Anemone virginiana  
Antennaria spp.  
Apocynum androsaemifolium  
Aquilegia canadensis  
5 Aralia nudicaulis  
3 Arisaema atrorubens  
Aster macrophyllus  
Athyrium filix-femina  
Botrychium virginianum  
Carex pensylvanica  
Chimaphila umbellata  
Chrysanthemum leucanthemum  
Circaea alpina  
Claytonia caroliniana  
Claytonia virginiana  
8521 Clintonia borealis  
2 Coptis groenlandicum  
Corallorhiza maculata  
Cornus canadensis  
Cystopteris fragilis  
Dicentra canadensis  
Dicentra cucullaria  
Dryopteris disjuncta  
Dryopteris phegopteris

08762 Dryopteris spinulosa  
Epigaea repens  
Epilobium angustifolium  
Equisetum sylvaticum  
Erythronium americanum  
Fragaria vesca  
Fragaria virginiana  
Galium aparine  
Galium triflorum  
Gaultheria hispidula  
Gaultheria procumbens  
Gentiana quinquefolia  
Geranium maculatum  
Goodyera repens  
Habenaria obtusata  
Halenia deflexa  
Hepatica acutiloba  
Hepatica americana  
Hieracium aurantiacum  
Linnaea borealis  
6 Lycopodium annotinum  
Lycopodium clavatum  
Lycopodium complanatum  
0943 Lycopodium lucidulum  
Lycopodium obscurum  
09665321 Maianthemum canadense  
Medeola virginiana  
Melampyrum lineare  
942 Mitchella repens  
Mitella diphylla

Mitella nuda  
Monotropa uniflora  
Osmorhiza claytoni  
Oxalis montana  
Oxalis stricta  
Polygala paucifolia  
Polygonatum pubescens  
Prenanthes alba  
752 Pteridium aquilinum  
Pyrola elliptica  
Pyrola rotundifolia  
Pyrola secunda  
Ranunculus acris  
Rhus radicans  
Rubus pubescens  
Sanguinaria canadensis  
6 Smilacina racemosa  
Smilacina stellata  
76 Streptopus roseus  
Tiarella cordifolia  
9876 Trientalis borealis  
Trillium erectum  
Trillium grandiflorum  
Uvularia sessilifolia  
Viola canadensis  
Viola cucullata  
Viola pallens  
Viola pubescens  
Viola renifolia  
Waldsteinia fragarioides

Additional species

Mosses 123679  
Lichens 6  
Mosses 1



FREQUENCY DATA  
(Common Species)

## SPRUCE-FIR - MIXED HARDWOODS

STAND NO. 96(2)

## TREE SEEDLINGS

098 Abies balsamea  
Acer pensylvanicum  
9764321 Acer rubrum  
21 Acer saccharum  
Acer spicatum  
0873 Betula lutea  
Betula papyrifera

76431 Fagus grandifolia  
Larix laricina  
Ostrya virginiana  
Picea glauca  
Picea mariana  
Pinus banksiana  
Pinus resinosa

Pinus strobus  
Populus tremuloides  
Prunus pensylvanica  
Prunus serotina  
Thuja occidentalis  
Tilia americana  
Tsuga canadensis

9 Pyrus amer

## SHRUBS

Alnus rugosa  
Arctostaphylos uva-ursi  
Comptonia peregrina  
Corylus americana  
Corylus cornuta  
Diervilla lonicera  
Dirca palustris  
Ilex verticillata  
Ledum groenlandicum  
8 Lonicera canadensis

Prunus pumila  
Pyrus melanocarpa  
Ribes cynosbati  
Ribes glandulosum  
Ribes lacustre  
Rosa sp.  
Rubus (blackberry)  
Rubus (dewberry)  
Rubus (raspberry)  
Rubus idaeus

Rubus parviflorus  
Sambucus pubens  
Shepherdia canadensis  
Spiraea alba  
Symphoricarpos occidentalis  
Taxus canadensis  
Vaccinium angustifolium  
Vaccinium myrtilloides  
Viburnum acerifolium  
Viburnum trilobum

## HERBS

Actaea pachypoda  
Actaea rubra  
Adiantum pedatum  
Anaphalis margaritacea  
Anemone cylindrica  
Anemone quinquefolia  
Anemone virginiana  
Antennaria spp.  
Apocynum androsaemifolium  
Aquilegia canadensis  
4 Aralia nudicaulis  
Arisaema atrorubens  
Aster macrophyllus  
Athyrium filix-femina  
Botrychium virginianum  
Carex pensylvanica  
Chimaphila umbellata  
Chrysanthemum leucanthemum  
Circaea alpina  
Claytonia caroliniana  
Claytonia virginiana  
765432 Clintonia borealis  
76543 Coptis groenlandicum  
Corallorhiza maculata  
3 Cornus canadensis  
Cystopteris fragilis  
Dicentra canadensis  
Dicentra cucullaria  
Dryopteris disjuncta  
Dryopteris phegopteris

76 Dryopteris spinulosa  
Epigaea repens  
Epilobium angustifolium  
Equisetum sylvaticum  
Erythronium americanum  
Fragaria vesca  
Fragaria virginiana  
Galium aparine  
Galium triflorum  
Gaultheria hispidula  
2 Gaultheria procumbens  
Gentiana quinquefolia  
Geranium maculatum  
Goodyera repens  
Habenaria obtusata  
Halenia deflexa  
Hepatica acutiloba  
Hepatica americana  
Hieracium aurantiacum  
Linnaea borealis  
Lycopodium annotinum  
Lycopodium clavatum  
Lycopodium complanatum  
0654321 Lycopodium lucidulum  
Lycopodium obscurum  
8765431 Maianthemum canadense  
Medeola virginiana  
Melampyrum lineare  
524 Mitchella repens  
Mitella diphylla

Mitella nuda  
Monotropa uniflora  
Osmorhiza claytoni  
53 Oxalis montana  
Oxalis stricta  
Polygala paucifolia  
Polygonatum pubescens  
Prenanthes alba  
7 Pteridium aquilinum  
Pyrola elliptica  
Pyrola rotundifolia  
Pyrola secunda  
Ranunculus acris  
Rhus radicans  
Rubus pubescens  
Sanguinaria canadensis  
Smilacina racemosa  
Smilacina stellata  
1 Streptopus roseus  
Tiarella cordifolia  
7 Trientalis borealis  
Trillium erectum  
Trillium grandiflorum  
Uvularia sessilifolia  
Viola canadensis  
Viola cucullata  
Viola pallens  
Viola pubescens  
Viola renifolia  
Waldsteinia fragarioides

Additional species

Morpho 137890  
Lichens 890