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## **Site 3604: Burnett County, Township 41N, Range 14W, Section 3. 1953-07-25**

[s.l.]: [s.n.], 1953-07-25

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## STAND RECORD

## FORESTS

Yard 7  
Stand No. 3604

Name:

County: *Burnett*Date: *7-25-53*

Size of Stand:

Forest Type:

Topography: *Rolling, upland*

Locality:

T: *41N* R: *14W* Sec: *3*

Observers:

Size of Area Sampled:

Soil Type:

Slope:

Directions

*20 points  
20 quadrats.*

Condition of Stand:

*Some old cutting but no recent cutting.  
A slightly used yard now apparently, slight use of  
oaks and the sapling pines.*

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

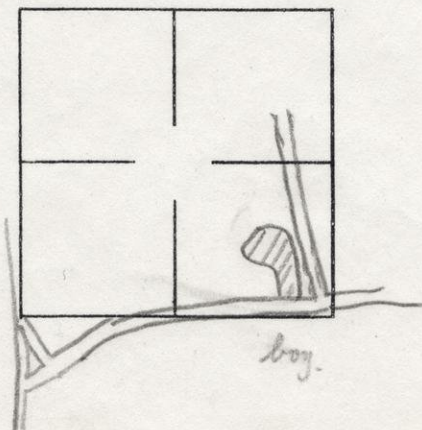
CHARACTERISTICS (Color, Texture, Structure, etc.)

|                |       |       |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| A <sub>0</sub> | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| A <sub>1</sub> | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| A <sub>2</sub> | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| B              | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

Parent Material:

*X = browse presence*

Map:





Plant Ecology Research  
TREE DATA SUMMARY SHEET

University of Wisconsin

Northern Pine-Hardwoods

Station Number: 3604

| TREE         | #<br>PTS | #<br>TRS | DOM. CLASSES |      |     | TOT.<br>DOM. | #<br>SAP | D. %<br>SAP | F. %<br>SDL. | F. %<br>TRS. | % SUM<br>F. TR. | D. %<br>TRS. | DOM%<br>TRS. | DFD<br>INDEX | Upland<br>C. I. |
|--------------|----------|----------|--------------|------|-----|--------------|----------|-------------|--------------|--------------|-----------------|--------------|--------------|--------------|-----------------|
|              |          |          | -80          | -320 | 321 |              |          |             |              |              |                 |              |              |              |                 |
| Abies bals   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Acer rubru   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| A. sacchar   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| A. spicatu   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Betula lut   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| B. papyrif   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Carpinus c   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Fagus gran   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Ostrya vir   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Picea glau   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Pinus Bank   | 20       | 78       | 76           | 2    |     | 2243         | 69       | 86.35       | 15           | 100.0        | 90.91           | 97.50        | 98.25        | 286.66       | 286.66          |
| P. resinosa  |          |          |              |      |     |              | 3        | 3.75        |              |              |                 |              |              |              |                 |
| P. Strobus   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Populus ba   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| P. grandid   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| P. tremulo   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Prunus pen   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Quercus el   | 2        | 2        | 2            |      |     | 40           | 6        | 7.50        | 5            | 10.0         | 9.09            | 2.50         | 1.75         | 13.34        | 26.68           |
| Q. rubra     |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Tilia amer   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Tsuga cana   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Thuja occi   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Ulmus amer   |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| U. fulva     |          |          |              |      |     |              |          |             |              |              |                 |              |              |              |                 |
| Quercus moc  |          |          |              |      |     |              | 1        | 1.25        |              |              |                 |              |              |              |                 |
| Quercus alba |          |          |              |      |     |              | 1        | 1.25        |              |              |                 |              |              |              |                 |
| Prunus vir   |          |          |              |      |     |              |          |             | 10           |              |                 |              |              |              |                 |
|              | 22       | 80       | 78           | 2    |     | 2283         | 80       | 100         |              |              | 100             | 100          | 100          | 300          | 313.34          |

AVE. DIST. BTW'N TREES:

AVE B. A.:

# TREES/ACRE:

DOM./ACRE:



## POINT RECORD TREES

## NORTHERN PINE-HARDWOODS

Stand No. 3604

[illegible]



## POINT RECORD TREES

## NORTHERN PINE-HARDWOODS

Stand No.

3604

| STATION NO.  | 1                    | 2                    | 3                    | 4                    | 5                   | 6                   | 7                   | 8                   | 9                    | 10                   |
|--------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| Abies balsam |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Acer rubrum  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| A. sacchar.  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| A. spicatum  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Betula lut.  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| B. papyrif   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Carpinus car |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Fagus gran   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Ostrya virg  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Picea glau   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Pinus Bank   | 21<br>20<br>22<br>27 | 28<br>18<br>18<br>25 | 30<br>21<br>18<br>50 | 17<br>45<br>22<br>37 | 26<br>12<br>4<br>25 | 12<br>15<br>4<br>22 | X<br>29<br>29<br>45 | X<br>21<br>21<br>15 | 35<br>13<br>22<br>26 | 35<br>26<br>30<br>22 |
| P. resinosa  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| P. Strobus   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Populus bals |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| P. grand     |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| P. trem      |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Prunus pen.  |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Quercus ell  | X                    |                      |                      | X                    | X                   |                     |                     | 2                   |                      | X                    |
| Q. rubra     |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Tilia amer   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Tsuga can    |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Thuja occ    |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Ulmus amer   |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| U. fulva     |                      |                      |                      |                      |                     |                     |                     |                     |                      |                      |
| Corylus am   | X                    | X                    | X                    | X                    |                     | X                   | X                   |                     |                      |                      |
| Quercus mac  |                      |                      |                      |                      |                     |                     | X                   |                     |                      |                      |
| Amodendro    |                      | X                    |                      |                      |                     |                     |                     | X                   |                      |                      |
| Distance     |                      |                      | X                    |                      | 2                   | 9                   |                     | X                   |                      | X                    |







## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3604  
Quadrat No. 1-5

*Actaea pachypoda*  
*Actaea rubra*  
*Adiantum pedatum*  
*Allium tricoccum*  
*Anemone quinquefolia*  
*Aquilegia canadensis*  
*Aralia nudicaulis*  
*Aralia racemosa*  
*Arisaema atrorubens*  
*Aster macrophyllus*  
*Aster sagittifolius*  
*Athyrium angustum*  
*Botrychium virginianum*  
*Brachyelytrum erectum*  
*Carex albursina*  
*Caulophyllum thalictroides*  
*Chimaphila umbellata*  
*Circaea alpina*  
*Circaea latifolia*  
*Clintonia borealis*  
*Coptis trifolia*  
*Corallorrhiza maculata*  
*Cornus alternifolia*  
*Cornus canadensis*  
*Cornus rugosa*  
*Corylus americana* 14  
*Corylus cornuta*  
*Cypripedium acaule*  
*Diervilla lonicera*  
*Dirca palustris*  
*Dryopteris linnaeana*  
*Dryopteris phegopteris*  
*Dryopteris spinulosa*  
*Epifagus virginiana*  
*Epigaea repens*

*Fragaria virginiana*  
*Galium lanceolatum*  
*Galium triflorum*  
*Gaultheria procumbens* 1234  
*Gaylussacia baccata*  
*Geranium maculatum*  
*Geum canadense*  
*Gnaphalium obtusifolium*  
*Helianthemum sp.*  
*Helianthus strumosus*  
*Hepatica acutiloba*  
*Hepatica americana*  
*Impatiens biflora*  
*Linnaea borealis*  
*Lonicera oblongifolia*  
*Lupinus perennis*  
*Lycopodium annotinum*  
*Lycopodium complanatum*  
*Lycopodium lucidulum*  
*Lycopodium obscurum*  
*Lysimachia quadrifolia* 134  
*Maianthemum canadense* 1345  
*Mitchella repens*  
*Mitella diphylla*  
*Mitella nuda*  
*Monotropa uniflora*  
*Myrica asplenifolia*  
*Onoclea sensibilis*  
*Oryzopsis asperifolia*  
*Osmorhiza claytoni*  
*Oxalis montana*  
*Phryma leptostachya*  
*Polygala pauciflora*  
*Polygonatum commutatum*  
*Polygonatum pubescens*

*Potentilla simplex*  
*Prenanthes alba*  
*Pteridium aquilinum* 12345  
*Pyrola elliptica*  
*Pyrola rotundifolia*  
*Pyrola secunda*  
*Ranunculus recurvatus*  
*Rhus radicans*  
*Ribes americanum*  
*Rosa sp.*  
*Rubus parviflorus*  
*Rubus (blackberry)* 2  
*Rubus (dewberry)*  
*Sambucus pubens*  
*Sanguinaria canadensis*  
*Sanicula gregaria*  
*Smilacina racemosa*  
*Smilacina stellata*  
*Smilax ecirrhata*  
*Solidago ulmifolia*  
*Streptopus roseus*  
*Taxus canadensis*  
*Thalictrum dioicum*  
*Trientalis borealis*  
*Trillium grandiflorum*  
*Uvularia grandiflora*  
*Uvularia sessilifolia*  
*Vaccinium angustifolium*  
*Vaccinium pennsylvanicum*  
*Viburnum acerifolium*  
*Viola canadensis*  
*Viola cucullata*  
*Viola pallens*  
*Viola pubescens*  
*Waldsteinia fragarioides*

✓ *Vac. can* 1235  
 ✓ *Mint* (1) 1 *agastache*  
 ✓ *Lathyrus* 1234

✓ *Grass* (2) (3604) 2 *Oryzopsis*  
 ? *Rosette* (1) 12 *Hieracium* *pungens*

✓ *Big hairy grass* 235 *Bromus ciliata*  
 ✓ *Polygonum-like* 2 *Convolvulus spithameus*

? *Rosette* (2) 2 *Solidago sp*  
*Carex narrow* 35  
 ✓ *Ceanothus* 4



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3604  
Quadrat No. 6-10

Actaea pachypoda  
 Actaea rubra  
 Adiantum pedatum  
 Allium tricoccum  
 Anemone quinquefolia  
 Aquilegia canadensis  
 Aralia nudicaulis  
 Aralia racemosa  
 Arisaema atrorubens  
 Aster macrophyllus  
 Aster sagittifolius  
 Athyrium angustum  
 Botrychium virginianum  
 Brachyelytrum erectum  
 Carex albursina  
 Caulophyllum thalictroides  
 Chimaphila umbellata  
 Circaea alpina  
 Circaea latifolia  
 Clintonia borealis  
 Coptis trifolia  
 Corallorrhiza maculata  
 Cornus alternifolia  
 Cornus canadensis  
 Cornus rugosa  
 Corylus americana  
 Corylus cornuta  
 Cypripedium acaule  
 Diervilla lonicera  
 Dirca palustris  
 Dryopteris linnaeana  
 Dryopteris phegopteris  
 Dryopteris spinulosa  
 Epifagus virginiana  
 Epigaea repens

Fragaria virginiana  
 Galium lanceolatum  
 Galium triflorum  
 Gaultheria procumbens 13  
 Gaylussacia baccata  
 Geranium maculatum  
 Geum canadense  
 Gnaphalium obtusifolium  
 Helianthemum sp.  
 Helianthus strumosus 1  
 Hepatica acutiloba  
 Hepatica americana  
 Impatiens biflora  
 Linnaea borealis  
 Lonicera oblongifolia  
 Lupinus perennis  
 Lycopodium annotinum  
 Lycopodium complanatum  
 Lycopodium lucidulum  
 Lycopodium obscurum  
 Lysimachia quadrifolia  
 Maianthemum canadense 1345  
 Mitchella repens  
 Mitella diphylla  
 Mitella nuda  
 Monotropa uniflora  
 Myrica asplenifolia  
 Onoclea sensibilis  
 Oryzopsis asperifolia 3  
 Osmorhiza claytoni  
 Oxalis montana  
 Phryma leptostachya  
 Polygala pauciflora  
 Polygonatum commutatum  
 Polygonatum pubescens

Potentilla simplex  
 Prenanthes alba  
 Pteridium aquilinum 1345  
 Pyrola elliptica  
 Pyrola rotundifolia  
 Pyrola secunda  
 Ranunculus recurvatus  
 Rhus radicans  
 Ribes americanum  
 Rosa sp.  
 Rubus parviflorus  
 Rubus (blackberry)  
 Rubus (dewberry)  
 Sambucus pubens  
 Sanguinaria canadensis  
 Sanicula gregaria  
 Smilacina racemosa  
 Smilacina stellata  
 Smilax ecirrhata  
 Solidago ulmifolia  
 Streptopus roseus  
 Taxus canadensis  
 Thalictrum dioicum  
 Trientalis borealis  
 Trillium grandiflorum  
 Uvularia grandiflora  
 Uvularia sessilifolia  
 Vaccinium angustifolium  
 Vaccinium pennsylvanicum  
 Viburnum acerifolium  
 Viola canadensis  
 Viola cucullata  
 Viola pallens  
 Viola pubescens  
 Waldsteinia fragarioides

✓ Big hair grass 125  
 ✓ V. cap 12345  
 ✓ Aster shortii 123  
 ✓ Lathyrus 15  
 ✓ Carex narrow 15  
 ✓ Antennaria 2

✓ Grass (2) 34  
 ✓ Asplenium 3 androsaemifolium  
 ✓ Phlox 3 pilosa  
 ✓ Rosette (2) 3



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3604  
Quadrat No. 11-15

Actaea pachypoda

Actaea rubra

Adiantum pedatum

Allium tricoccum

Anemone quinquefolia

Aquilegia canadensis

Aralia nudicaulis

Aralia racemosa

Arisaema atrorubens

Aster macrophyllus

Aster sagittifolius

Athyrium angustum

Botrychium virginianum

Brachyelytrum erectum

Carex albursina

Caulophyllum thalictroides

Chimaphila umbellata

Circaea alpina

Circaea latifolia

Clintonia borealis

Coptis trifolia

Corallorrhiza maculata

Cornus alternifolia

Cornus canadensis

Cornus rugosa

Corylus americana

Corylus cornuta

Cyripedium acaule

Diervilla lonicera

Dirca palustris

Dryopteris linnaeana

Dryopteris phegopteris

Dryopteris spinulosa

Epifagus virginiana

Epigaea repens

Fragaria virginiana

Galium lanceolatum 2

Galium triflorum

Gaultheria procumbens 435

Gaylussacia baccata

Geranium maculatum

Geum canadense

Gnaphalium obtusifolium

Helianthemum sp.

Helianthus strumosus

Hepatica acutiloba

Hepatica americana

Impatiens biflora

Linnaea borealis

Lonicera oblongifolia

Lupinus perennis

Lycopodium annotinum

Lycopodium complanatum

Lycopodium lucidulum

Lycopodium obscurum

Lysimachia quadrifolia 345

Maianthemum canadense 5

Mitchella repens

Mitella diphylla

Mitella nuda

Monotropa uniflora

Myrica asplenifolia

Onoclea sensibilis

Oryzopsis asperifolia

Osmorhiza claytoni

Oxalis montana

Phryma leptostachya

Polygala pauciflora

Polygonatum commutatum

Polygonatum pubescens

Potentilla simplex

Prenanthes alba

Pteridium aquilinum 135

Pyrola elliptica

Pyrola rotundifolia

Pyrola secunda

Ranunculus recurvatus

Rhus radicans

Ribes americanum

Rosa sp.

Rubus parviflorus

Rubus (blackberry)

Rubus (dewberry)

Sambucus pubens

Sanguinaria canadensis

Sanicula gregaria

Smilacina racemosa

Smilacina stellata

Smilax ecirrhata

Solidago ulmifolia

Streptopus roseus

Taxus canadensis

Thalictrum dioicum

Trientalis borealis

Trillium grandiflorum

Uvularia grandiflora

Uvularia sessilifolia

Vaccinium angustifolium

Vaccinium pennsylvanicum

Viburnum acerifolium

Viola canadensis

Viola cucullata

Viola pallens

Viola pubescens

Waldsteinia fragarioides

Rosa 3

✓ var. can. 1235

✓ Lathyrus 1

✓ Big hairy grass 1245

✓ Grass (3604)(12) - 2 Danthonia

✓ Apocynum 2

✓ Narrow leaf 35

✓ aster shortii 34



## HERB FREQUENCY

## NORTHERN PINE-HARDWOODS

Stand No. 3604  
Quadrat No. 16-20

*Pinus banks* 5  
 Actaea pachypoda  
 Actaea rubra  
 Adiantum pedatum  
 Allium tricoccum  
 Anemone quinquefolia 45  
 Aquilegia canadensis  
 Aralia nudicaulis  
 Aralia racemosa  
 Arisaema atrorubens  
 Aster macrophyllus  
 Aster sagittifolius  
 Athyrium angustum  
 Botrychium virginianum  
 Brachyelytrum erectum  
 Carex albursina  
 Caulophyllum thalictroides  
 Chimaphila umbellata  
 Circaea alpina  
 Circaea latifolia  
 Clintonia borealis  
 Coptis trifolia  
 Corallorrhiza maculata  
 Cornus alternifolia  
 Cornus canadensis  
 Cornus rugosa  
 Corylus americana  
 Corylus cornuta  
 Cyripedium acaule  
 Diervilla lonicera  
 Dirca palustris  
 Dryopteris linnaeana  
 Dryopteris phegopteris  
 Dryopteris spinulosa  
 Epifagus virginiana  
 Epigaea repens

Fragaria virginiana 4  
 Galium lanceolatum  
 Galium triflorum  
 Gaultheria procumbens 5  
 Gaylussacia baccata  
 Geranium maculatum  
 Geum canadense  
 Gnaphalium obtusifolium  
 Helianthemum sp.  
 Helianthus strumosus  
 Hepatica acutiloba  
 Hepatica americana  
 Impatiens biflora  
 Linnaea borealis  
 Lonicera oblongifolia  
 Lupinus perennis  
 Lycopodium annotinum  
 Lycopodium complanatum  
 Lycopodium lucidulum  
 Lycopodium obscurum  
 Lysimachia quadrifolia  
 Maianthemum canadense 45  
 Mitchella repens  
 Mitella diphylla  
 Mitella nuda  
 Monotropa uniflora  
 Myrica asplenifolia  
 Onoclea sensibilis  
 Oryzopsis asperifolia 3  
 Osmorhiza claytoni  
 Oxalis montana  
 Phryma leptostachya  
 Polygala pauciflora  
 Polygonatum commutatum  
 Polygonatum pubescens

Potentilla simplex  
 Prenanthes alba  
 Pteridium aquilinum 1234  
 Pyrola elliptica  
 Pyrola rotundifolia  
 Pyrola secunda  
 Ranunculus recurvatus  
 Rhus radicans  
 Ribes americanum  
 Rosa sp.  
 Rubus parviflorus  
 Rubus (blackberry)  
 Rubus (dewberry)  
 Sambucus pubens  
 Sanguinaria canadensis  
 Sanicula gregaria  
 Smilacina racemosa  
 Smilacina stellata  
 Smilax ecirrhata  
 Solidago ulmifolia  
 Streptopus roseus  
 Taxus canadensis  
 Thalictrum dioicum  
 Trientalis borealis  
 Trillium grandiflorum  
 Uvularia grandiflora  
 Uvularia sessilifolia  
 Vaccinium angustifolium  
 Vaccinium pennsylvanicum  
 Viburnum acerifolium  
 Viola canadensis  
 Viola cucullata  
 Viola pallens  
 Viola pubescens  
 Waldsteinia fragarioides

✓ *Vac. can.* 12345  
 ✓ *Phlox pilosa*  
 ✓ *Zathyus* 4  
 ✓ *Rosette* (2) 5  
 ✓ *Grass* (2) 5  
 ✓ *Rosa* 4  
 ✓ *Polygonum-like* 4  
 ✓ *Convolvulus*

? Violet 4



Data Form No. 23

## Plant Ecology Research

Univ. of Wisconsin

Stand No. 3604

[illegible]



## TABULATION FORM

## NORTHERN PINE-HARDWOODS

Stand No. 3604

| STATION NO.                    | P. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |   |   |
|--------------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|---|---|
|                                |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cirsium altissimum</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Claytonia caroliniana</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Claytonia virginica</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Clematis verticillaris</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Clintonia borealis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Comandra richardsiana</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Comptonia peregrina</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Convolvulus spithameus</i>  | ✓  |   | ✓ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | ✓  |    |    | 2 |   |
| <i>Coptis groenlandica</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Corallorhiza maculata</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Corallorhiza striata</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Corallorhiza trifida</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Coreopsis palmata</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cornus alternifolia</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cornus canadensis</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cornus foemina</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cornus rugosa</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Corydalis</i> sp.           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Corylus americana</i>       | ✓  | ✓ |   |   | ✓ |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   | 2 |
| <i>Corylus cornuta</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cryptotaenia canadensis</i> |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cynoglossum boreale</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cypripedium acaule</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cypripedium parviflorum</i> |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cypripedium pubescens</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Cystopteris fragilis</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Danthonia spicata</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dentaria diphylla</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Desmodium glutinosum</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Desmodium nudiflorum</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dicentra canadensis</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dicentra cucullaria</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Diervilla lonicera</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dirca palustris</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris boottii</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris cristata</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris goldiana</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris disjuncta</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris phegopteris</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Dryopteris spinulosa</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Epifagus virginiana</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Epigaea repens</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Equisetum arvense</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Equisetum hyemale</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Equisetum sylvaticum</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Erigeron philadelphicus</i> | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Erythronium albidum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Erythronium americanum</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Eupatorium rugosum</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Festuca obtusa</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |
| <i>Fragaria virginiana</i>     | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | ✓  |    |    | 1 |   |



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|                          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Fragaria vesca           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Galium aparine           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Galium boreale           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Galium circaezans        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Galium concinnum         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Galium lanceolatum       | ✓  |   |   |   |   |   |   |   |   |   |    |    | ✓  |    |    |    |    |    |    |    |    | / |  |
| Galium triflorum         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Gaultheria hispidula     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Gaylussacia baccata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Geranium maculatum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Gerardia pedicularia     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Geum canadense           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Geum rivale              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Gnaphalium obtusifolium  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Goodyera oblongifolia    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Goodyera pubescens       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Goodyera repens          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Habenaria bracteata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Habenaria orbiculata     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hackelia virginiana      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Halenia deflexa          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hamamelis virginiana     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Helianthus strumosus     | ✓  |   |   |   |   |   | ✓ |   |   |   |    |    |    |    |    |    |    |    |    |    |    | / |  |
| Hepatica acutiloba       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hepatica americana       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Heuchera richardsonii    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hieracium canadense      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hieracium scabrum        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hydrophyllum virginianum |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Hystrix patula           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Ilex verticillata        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Impatiens biflora        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Impatiens pallida        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Isopyrum biternatum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Krigia biflora           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lactuca canadensis       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Laportea canadensis      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lathyrus ochroleucus     | ✓  | ✓ | ✓ | ✓ | ✓ |   | ✓ |   |   |   | ✓  | ✓  |    |    |    |    |    |    | ✓  |    |    | ∞ |  |
| Lathyrus venosus         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Ledum groenlandicum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lilium michiganense      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Linnaea borealis         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lithospermum canescens   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lobelia inflata          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lonicera canadensis      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lonicera hirsuta         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lonicera oblongifolia    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lonicera prolifera       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Lupinus perennis         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Luzula acuminata         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| Luzula multiflora        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |



TABULATION FORM

# NORTHERN PINE-HARDWOODS

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[illegible]



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# TABULATION FORM

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## PRESENCE LIST

## NORTHERN PINE-HARDWOODS

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Abies balsamea  
Acer rubrum  
Acer saccharum  
Acer spicatum  
Amelanchier sp.  
Betula lutea  
✓ Betula papyrifera *saplings*  
Caprinus caroliniana  
Carya cordiformis  
Crategeus sp.  
Fagus grandiflora  
Fraxinus americana  
Fraxinus nigra

Fraxinus pennsylvanica  
Juglans cinerea  
Larix laricina  
Ostrya virginiana  
✓ Picea glauca *seedlings*  
Pinus banksiana  
Pinus resinosa  
Pinus strobus  
Populus balsamifera  
✓ Populus grandidentata  
✓ Populus tremuloides  
Prunus pennsylvanica  
Prunus serotina

Prunus virginiana  
Quercus alba  
Quercus ellipsoidalis  
Quercus macrocarpa  
Quercus rubra  
Sorbus decora  
Thuja occidentalis  
Tilia americana  
Tsuga canadensis  
Ulmus americana  
Ulmus fulva

## HERBS AND SHRUBS

Actaea pachypoda  
Actaea rubra  
Adiantum pedatum  
Agrimonia gryposepala  
Allium tricoccum  
Alnus rugosa  
Amphicarpa bracteata  
Anemone canadensis  
Anemone quinquefolia  
Antennaria sp.  
✓ Apocynum androsaemifolium  
Apocynum cannabinum  
Aquilegia canadensis  
Aralia nudicaulis  
Aralia racemosa  
Arctostaphylos uva-ursi  
Arisaema atrorubens  
Asarum canadense  
Asclepias phytolaccoides  
Aster cordifolius  
Aster lateriflorus  
Aster macrophyllus  
Aster prenanthoides  
Aster sagittifolius  
✓ Aster shortii  
Aster umbellatus  
Athyrium angustum  
Aureolaria pedicularia  
Boehmeria cylindrica  
Botrychium virginianum  
Brachyelytrum erectum  
Bromus purgans  
✓ Campanula americana  
Carex albursina  
Carex pensylvanica  
Caulophyllum thalictroides  
Celastrus scandens  
Chimaphila umbellata  
Chiogenes hispida

Circaea alpina  
Circaea latifolia  
Claytonia caroliniana  
Claytonia virginiana  
Clintonia borealis  
Convolvulus spithameus  
Coptis trifolia  
Corallorrhiza maculata  
Corallorrhiza striata  
Cornus alternifolia  
Cornus canadensis  
Cornus femina  
Cornus rugosa  
Corylus americana  
Corylus cornuta  
Cryptotaenia canadensis  
Cypripedium acaule  
Cypripedium pubescens  
Cystopteris fragilis  
Danthonia spicata  
Dentaria diphylla  
Desmodium glutinosum  
Desmodium nudiflorum  
Dicentra canadensis  
Dicentra cucullaria  
Diervilla lonicera  
Dirca palustris  
Dryopteris linneana  
Dryopteris phegopteris  
Dryopteris spinulosa  
Epifagus virginiana  
Epigaea repens  
Equisetum arvense  
Erythronium americanum  
Fragaria virginiana  
Galium aparine  
Galium boreale  
Galium circaeans  
Galium concinnum

Galium lanceolatum  
Galium triflorum  
Gaultheria procumbens  
Gaylussacia baccata  
Geranium maculatum  
Geum canadense  
Gnaphalium obtusifolium  
Goodyera pubescens  
Goodyera repens  
Habenaria bracteata  
Hamamelis virginiana  
Helianthus strumosus  
Hepatica acutiloba  
Hepatica americana  
Hieracium canadense  
Hydrophyllum virginianum  
Hystrix patula  
Impatiens biflora  
Lactuca canadensis  
Laportea canadensis  
Lappula virginica  
Lathyrus ochroleucus  
Ledum groenlandicum  
Linnaea borealis  
Lonicera canadensis  
Lonicera hirsuta  
Lonicera oblongifolia  
Lonicera prolifera  
Luzula multiflora  
Lycopodium annotinum  
Lycopodium clavatum  
Lycopodium complanatum  
Lycopodium lucidulum  
Lycopodium obscurum  
Lycopodium tristachyum  
Lycopus americanus  
Lycopus uniflora  
Lysimachia quadrifolia  
Maianthemum canadense



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|                          |                            |                          |
|--------------------------|----------------------------|--------------------------|
| Melampyrum lineare       | Pyrola elliptica           | Smilax herbacea          |
| Mitchella repens         | Pyrola rotundifolia        | Smilax hispida           |
| Mitella diphylla         | Pyrola secunda             | Solidago latifolia       |
| Mitella nuda             | Ranunculus abortivus       | Solidago ulmifolia       |
| ✓ Monarda fistulosa      | Ranunculus recurvatus      | Streptopus amplexifolius |
| Moneses uniflora         | Ranunculus septentrionalis | ✓ Streptopus roseus      |
| Monotropa uniflora       | Rhus radicans              | Taxus canadensis         |
| Myrica asplenifolia      | Rhus typhina               | Thalictrum dioicum       |
| Onoclea sensibilis       | Ribes americanum           | Tiarella cordifolia      |
| Oryzopsis asperifolia    | Ribes cynosbati            | ✓ Trientalis borealis    |
| Osmorhiza claytoni       | Ribes lacustre             | Trillium cernuum         |
| Osmunda cinnamomea       | Ribes triste               | Trillium grandiflorum    |
| Osmunda claytoniana      | Rubus idaeus               | Uvularia grandiflora     |
| Oxalis montana           | Rubus parviflorus          | Uvularia sessilifolia    |
| Panax quinquefolia       | Rubus hispidus             | Vaccinium angustifolium  |
| Parietaria pennsylvanica | Rubus - blackberry         | Vaccinium pennsylvanicum |
| Parthenocissus vitacea   | Rubus - dewberry           | Viburnum acerifolium     |
| Pedicularis lanceolata   | Rubus - raspberry          | Viburnum affine          |
| Phytolacca leptostachya  | Sambucus canadensis        | Viburnum lentago         |
| Podophyllum peltatum     | Sambucus pubens            | Viola canadensis         |
| Polemonium reptans       | Sanguinaria canadensis     | Viola cucullata          |
| Polygala pauciflora      | Sanicula gregaria          | Viola incognita          |
| Polygonatum commutatum   | Schizachne purpurascens    | Viola pallens            |
| Polygonatum pubescens    | Scutellaria lateriflora    | Viola pubescens          |
| Potentilla simplex       | Shepherdia canadensis      | Vitis aestivalis         |
| ✓ Prenanthes alba        | Smilacina racemosa         | Vitis riparia            |
| Pteris nodulosa          | Smilacina stellata         | Waldsteinia fragarioides |
| Pteridium aquilinum      | Smilax ecirrhata           | Zanthoxylum americanum   |

## Additional Species:

Rosa  
~~Sentate mint (3602)~~ Agastache Foeniculum  
~~Agropyron-like (3603)~~ Elymus sp.  
~~Stone seed (3604)~~ Lithospermum canescens