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## **Site 5100: Douglas County, Township 46N, Range 10W, Section 10. 1954-07-30**

[s.l.]: [s.n.], 1954-07-30

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## Ecology Form # 71

Stand # 100 - July 30-54

Location Douglas  
46N 10 W 10

Conduc.

Cat. Cap.

pH

02

36" Bore

% Cover

Basal Area

Larix Picea Thuja Pop.tr.Betula pap.

## Distances

TOTALS

Sketch Map:

private estate Mrs. Ordman (spelling?)  
Pres. Crane Plumbing  
& heating.

(box) fresh hatch.

Plant Ecology Laboratory  
Data Form 68

Station No. <sup>hawa 20</sup> 5100

| Data Form 68     |      |     |                  |        |      |      |      |      |      |      |      |       | Station No. |        |
|------------------|------|-----|------------------|--------|------|------|------|------|------|------|------|-------|-------------|--------|
| Tree             | No.  | No. | Size Cl. sq. in. |        |      | No.  | F%   | F%   | D%   | Dom% | DFD  |       |             |        |
|                  | Pts. | Tr. | 12-80            | 31-320 | 321+ | Dom. | Sap. | Seed | Seed | Tr.  | Tr.  |       |             | Tr.    |
| Abies balsamea   | 19   | 60  | 56               | 4      |      | 2039 |      |      | 44.2 | 60   | 32.4 | 136.6 | 548         | 614.76 |
| Acer rubrum      |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Acer spicatum    |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Betula lutea     |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| B. papyrifera    | 5    | 6   | 6                |        |      | 128  |      |      | 11.6 | 6    | 2.0  | 19.6  | 120         | 98.0   |
| Carya cord.      |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| C. ovata         |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Fraxinus nigra   |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Juglans cinerea  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Larix laricina   |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Picea glauca     | 2    | 2   | 1                | 1      |      | 130  |      |      | 4.6  | 2    | 2.1  | 8.7   | 63          | 34.8   |
| P. mariana       |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Pinus resinosa   |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| P. strobus       |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Pop. balsamifera |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| P. grand.        |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| P. trem.         |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Prunus serotina  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Pyrus americana  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Quercus bicolor  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Q. rubra         |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Thuja occ.       | 17   | 32  | 15               | 14     | 2    | 4001 |      |      | 39.5 | 32   | 63.5 | 135.0 | 540         | 540    |
| Tilia americana  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Tsuga can.       |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| Ulmus americana  |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |
| U. rubra         |      |     |                  |        |      |      |      |      |      |      |      |       |             |        |

Total tran. <sup>43</sup>

Av. Tr. Dis. <sup>6298</sup> 10.1

Av. BA <sup>949</sup> 63.0

No. Tr./Acre <sup>100 2444</sup> 427

Dom/Acre <sup>1271</sup> 26,901 <sup>(1287.5)</sup>

Chaya

100  
Cedar Island

|    |     |     |     |
|----|-----|-----|-----|
| 4  |     | 80  | 350 |
| 11 | 11  | 100 | 80  |
| 1  | 51  | 230 | 55  |
| 1  | 1   | 130 | 180 |
| 16 | 111 | 250 | 210 |
| 11 | 7   | 170 | 340 |
| 11 | 11  | 440 | 200 |
| 1  | 8   | 120 | 200 |
| 1  | 11  | 180 | 120 |
|    |     | 130 |     |
|    |     | 65  |     |

Account

1.20

1.110

2 130

Box pap

5.5 11

5 1

4.5 11

6 1

32 ~~2954~~  
4001

Alms

11 4  
11 5  
11 6  
11 7  
11 8  
11 1

50  
45  
50  
100  
65  
40  
40  
110  
40  
85  
55  
75  
65  
85

2039

12  
9  
44

# TABULATION FORM

## CONIFER SWAMP

Stand No. 5100

[illegible]

TABULATION FORM

## CONIFER SWAMP

Stand No. 5100

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|--------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| Carex diandra            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex disperma           | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    | ✓  | ✓  |    |    | ✓  |    | 3  |
| Carex flava              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex granularis var. ha |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex hystericina        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex interior           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex intumescens        |    | ✓ |   |   |   |   |   | ✓ | ✓ |   | ✓  |    | ✓  |    |    | ✓  |    |    |    |    |    | 6  |
| Carex lacustris          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex lasiocarpa         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex leptalea           | ✓  |   |   |   |   | ✓ | ✓ |   |   | ✓ |    |    | ✓  | ✓  |    | ✓  | ✓  | ✓  |    | ✓  | ✓  | 10 |
| Carex leptonervia        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex limosa             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex oligosperma        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex pauciflora         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex pauperula          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex pedunculata        | ✓  |   | ✓ |   | ✓ |   | ✓ |   | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  |    |    |    |    |    | ✓  | 11 |
| Carex projecta           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex pseudo-cyperus     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex retrorsa           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex scoparia           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex sterilis           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex stipata            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex stricta            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex tenuiflora         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Carex trisperma          | ✓  | ✓ | ✓ |   |   |   | ✓ | ✓ | ✓ |   |    | ✓  | ✓  | ✓  | ✓  |    | ✓  |    |    |    | ✓  | 11 |
| Carex tuckermani         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Chamaedaphne calyculata  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Chelone glabra           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cicuta bulbifera         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cicuta muculata          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cinna latifolia          | ✓  | ✓ |   | ✓ |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | 2  |
| Circaea alpine           | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓  |    | ✓  | ✓  | ✓  | ✓  |    | ✓  |    |    |    | 14 |
| Cirsium muticum          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Clintonia borealis       | ✓  | ✓ |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |    |    | ✓  | ✓  |    | 12 |
| Coptis groenlandica      | ✓  | ✓ | ✓ |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | 18 |
| Corallorrhiza trifida    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cornus alternifolia      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cornus canadensis        | ✓  | ✓ | ✓ |   | ✓ |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |    |    |    | ✓  | ✓  | 15 |
| Cornus obliqua           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cornus racemosa          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cornus stolonifera       | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cypripedium acaule       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cypripedium arietnum     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cypripedium calceolus    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cypripedium c var. pub   | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cypripedium reginae      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Cystopteris fragilis     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Diervilla lonicera       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Drosera intermedia       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Drosera linearis         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| Drosera rotundifolia     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |

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|--------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|---|
| Dryopteris cristata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Dryopteris disiuncta     | ✓  |   | ✓ |   | ✓ |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  | 2 |
| Dryopteris phegopteris   | ✓  | ✓ |   |   |   |   |   |   |   |   |    | ✓  |    |    |    |    |    |    |    |    |    |  | 2 |
| Dryopteris spinulosa     | ✓  |   |   |   | ✓ | ✓ |   | ✓ |   |   |    | ✓  |    | ✓  |    | ✓  |    |    | ✓  |    |    |  | 7 |
| Dryopteris thelypteris   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Dulichium arundinaceum   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Echinocystis lobata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eleocharis smallii       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Epigaea repens           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Epilobium angustifolium  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Epilobium glandulosum va |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Epilobium strictum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Equisetum fluviatile     | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Equisetum scirpoides     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Erigeron philadelphicus  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eriophorum angustifolium |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eriophorum spissum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eriophorum tenellum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eriophorum virginicum    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eriophorum viridi-carina |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eupatorium maculatum     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Eupatorium perfoliatum   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium aparine           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium boreale           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium concinnum         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium labradoricum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium trifidum          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Galium triflorum         | ✓  |   |   | ✓ | ✓ | ✓ |   | ✓ |   | ✓ |    |    | ✓  | ✓  | ✓  | ✓  |    |    |    |    |    |  | 9 |
| Galeopsis tetrahit       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Gaultheria hispidula     | ✓  | ✓ |   |   | / |   |   |   |   |   |    |    |    | ✓  |    |    |    |    |    | ✓  |    |  | 3 |
| Gaultheria procumbens    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Gaylussacia baccata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Gentiana linearis        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Geranium maculatum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Geum laciniatum          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Geum rivale              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Glyceria canadensis      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Glyceria grandis         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Glyceria striata         | ✓  |   | ✓ |   | ✓ | ✓ |   | ✓ |   |   |    |    | ✓  |    | ✓  | ✓  |    | ✓  |    |    | ✓  |  | 9 |
| Goodyera repens          | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria clavellata     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria dilatata       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria hyperborea     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria lacera         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria leucophaea     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria media          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Habenaria obtusata       | ✓  |   |   |   |   |   |   | ✓ |   |   |    |    |    |    |    |    |    |    |    |    |    |  | 1 |
| Habenaria psycodes       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Halenia deflexa          | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Hydrocotyle americana    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| Hypericum virginicum     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |

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|--------------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <i>Hystrix patula</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Ilex verticillata</i>       | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Impatiens capensis</i>      | ✓  | ✓ |   | ✓ | ✓ | ✓ |   |   |   |   |    |    |    |    |    |    |    | ✓  |    |    |    | 5  |    |
| <i>Iris versicolor</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Iris virginica</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Juncus canadensis</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Juncus effusus</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Juncus tenuis</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Juniperus communis</i> var. |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Kalmia polifolia</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lactuca biennis</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lathyrus palustris</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Ledum groenlandicum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Leersia oryzoides</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Linnaea borealis</i>        | ✓  | ✓ | ✓ |   |   |   |   |   |   | ✓ | ✓  | ✓  |    | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | 13 |
| <i>Liparis loeselii</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Listera cordata</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lobelia siphilitica</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera canadensis</i>     | ✓  |   | ✓ |   |   |   |   | ✓ |   | ✓ |    |    |    |    |    |    |    |    |    |    |    | 3  |    |
| <i>Lonicera dioica</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera oblongifolia</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera villosa</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Luzula acuminata</i>        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | ✓  | 1  |    |
| <i>Lycopodium annotinum</i>    | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lycopodium clavatum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lycopodium lucidulum</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lycopodium obscurum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lycopus uniflorus</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lysimachia ciliata</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lysimachia hybrida</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lysimachia quadriflora</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lysimachia terrestris</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lysimachia thyrsoflora</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Maianthemum canadense</i>   | ✓  |   |   |   |   |   |   | ✓ |   | ✓ | ✓  |    |    | ✓  |    |    |    | ✓  | ✓  |    |    | 6  |    |
| <i>Malaxis unifolia</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Melampyrum lineare</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Mentha trifoliata</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Mimulus ringens</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Mitchella repens</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Mitella diphylla</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Mitella nuda</i>            | ✓  | ✓ | ✓ | ✓ | ✓ |   |   | ✓ | ✓ | ✓ | ✓  | ✓  |    |    |    | ✓  | ✓  | ✓  | ✓  | ✓  |    | 13 |    |
| <i>Moneses uniflora</i>        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | ✓  |    | 2  |    |
| <i>Monotropa hypopithys</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Monotropa uniflora</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Muhlenbergia mexicana</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Muhlenbergia racemosa</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Myrica gale</i>             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Nasturtium officinale</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    | ✓  |    |    |    | 1  |    |
| <i>Nemopanthus mucronata</i>   | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Onoclea sensibilis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Osmunda cinnamomea</i>      | ✓  |   |   |   |   |   |   | ✓ | ✓ |   | ✓  |    |    |    |    |    | ✓  |    |    |    |    | 4  |    |

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|---------------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|--|---|
| <i>Osmunda regalis</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Oxalis montana</i>           | ✓  | ✓ | ✓ |   |   | ✓ |   |   |   |   |    | ✓  |    |    | ✓  |    |    |    |    | ✓  |    |  | C |
| <i>Oxalis stricta</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Panicum boreale</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Panicum lanuginosum</i> var. |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Parietaria pensylvanicum</i> |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Parthenocissus inserta</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pedicularis lanceolatus</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Penthorum sedoides</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Phalaris arundinacea</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Phleum pratense</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Phragmites communis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Physocarpus opulifolius</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pilea pumila</i>             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Poa palustris</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Poa pratensis</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pogonia ophioglossoides</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Polygala paucifolia</i>      |    |   |   |   |   |   |   |   | ✓ |   |    | ✓  |    | ✓  |    |    |    |    |    |    |    |  | 3 |
| <i>Polygonatum pubescens</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Polygonum convolvulus</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Polygonum amphibium</i> var. |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Polygonum sagittatum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Potentilla fruticosa</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Potentilla palustris</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Prenanthes alba</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Prunella vulgaris</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Prunus pensylvanicum</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Prunus virginiana</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pteridium aquilinum</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pycnanthemum virginianum</i> |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pyrola asarifolia</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pyrola elliptica</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pyrola rotundifolia</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pyrola secunda</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    | ✓  |    |    |    |    |    |    |    |  | 1 |
| <i>Pyrus floribunda</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Pyrus melanocarpa</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ranunculus abortivus</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ranunculus hispidus</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rhamnus alnifolia</i>        | ✓  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rhus radicans</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rhus vernix</i>              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rhynchospora alba</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ribes americanum</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ribes cynosbati</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ribes hirtellum</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ribes lacustre</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Ribes triste</i>             | ✓  |   |   |   |   | ✓ |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  | 1 |
| <i>Rosa carolina</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rubus allegheniensis</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rubus idaeus</i>             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |
| <i>Rubus occidentalis</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |  |   |

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## PRESENCE LIST

## CONIFER BOG

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Abies balsamea 9, 10, 11, 13, 16, 18  
 Acer rubrum  
 ✓ Acer spicatum 2, 4, 5, 6, 7, 8, 9, 10, 11, 12  
 Betula lutea 13, 15, 16, 18  
 ✓ Betula papyrifera  
 Carya cordiformis  
 ✓ Fraxinus nigra

Juglans cinerea  
 Larix laricina  
 ✓ Picea glauca  
 Picea mariana  
 Pinus resinosa  
 Pinus strobus  
 Populus tremuloides

Prunus serotina  
 Quercus bicolor  
 Quercus rubra 16, 19  
 ✓ Sorbus americana  
 ✓ Thuja occidentalis  
 Tsuga canadensis  
 Ulmus americana

## HERBS AND SHRUBS

Alnus incana  
 ✓ Alnus rugosa 20  
 Andromeda glaucophylla  
 Anemone canadensis  
 Aralia hispida  
 ✓ Aralia nudicaulis 1, 2, 4, 6, 8, 9, 11, 12, 13, 14, 15, 18, 20  
 Arceuthobium pusillum  
 Arctostaphylos uva-ursi  
 Arethusa bulbosa  
 ✓ Arisaema atrorubens  
 Asclepias incarnata  
 Aster lateriflorus  
 Aster novae-angliae 3  
 Aster umbellatus  
 Betula pumila  
 Betula sandbergii  
 Bidens coronata  
 Boehmeria cylindrica  
 Botrychium virginianum 4  
 Bromus ciliatus  
 Calamagrostis canadensis  
 ✓ Calla palustris  
 Calopogon pulchellus  
 ✓ Caltha palustris 17  
 Campanula aparinoides  
 Chamaedaphne calyculata  
 ✓ Chiogenes hispidula 1, 13, 20  
 Cicuta bulbifera  
 Cicuta maculata  
 Circaea alpina 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 17, 18, 19  
 ✓ Cirsium muticum 15, 17  
 Clintonia borealis 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15  
 ✓ Coptis trifolia 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13  
 Corallorrhiza trifida 14, 15, 16, 17, 18, 19, 20  
 ✓ Cornus canadensis 1, 2, 4, 6, 7, 8, 9, 10, 11, 12  
 Cornus obliqua 13, 14, 15, 19, 20  
 ✓ Cornus stolonifera  
 Cyripedium acaule  
 Cyripedium arietinum  
 Cyripedium parviflorum  
 ✓ Cyripedium pubescens  
 Cyripedium reginae  
 Decodon verticillatus  
 Diervilla lonicera  
 Drosera intermedia  
 Drosera longifolia  
 Drosera rotundifolia  
 Dryopteris linneana 2, 4

✓ Dryopteris phegopteris 11  
 Dryopteris spinulosa 5, 6, 8, 12, 14, 16, 18  
 Dryopteris thelypteris  
 Dulichium arundinaceum  
 Epigaea repens  
 Epilobium adenocaulon  
 Epilobium angustifolium  
 Epilobium densum  
 Equisetum scirpoides  
 Eriophorum angustifolium  
 Eriophorum virginicum  
 Eriophorum viridi-carinatum  
 Eupatorium perfoliatum  
 Eupatorium maculatum  
 Galium aparine  
 Galium concinnum  
 Galium labradoricum  
 Galium trifidum  
 Gaultheria procumbens  
 Gaylussacia baccata  
 Gentiana linearis  
 Geum rivale  
 ✓ Glyceria striata 2, 4, 5, 7, 12, 14, 15, 17, 20  
 ✓ Goodyera repens  
 Habenaria clavellata  
 Habenaria dilatata  
 Habenaria hyperborea  
 Habenaria lacera  
 Habenaria leucophaea  
 Habenaria media  
 Habenaria obtusata 8  
 Habenaria psycodes  
 Halenia deflexa  
 Helenium autumnale  
 Hypericum virginicum  
 Ilex verticillata  
 Impatiens biflora 13, 15, 17  
 Iris versicolor  
 Iris virginica  
 Juncus tenuis  
 Kalmia polifolia  
 Ledum groenlandicum  
 Leersia oryzoides  
 ✓ Linnaea borealis 1, 2, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20  
 Liparis loeselii  
 Listera cordata  
 Lobelia kalmii  
 Lobelia siphilitica

Lonicera caerulea  
 Lonicera oblongifolia  
 Lycopus uniflorus  
 Lysimachia terrestris  
 ✓ Maianthemum canadense 8, 10, 11, 14, 18, 19  
 Malaxis unifolia  
 Menyanthes trifoliata  
 Mimulus ringens  
 Mitchella repens  
 ✓ Mitella nuda 1, 2, 3, 4, 7, 8, 9, 10, 11, 16, 17, 18, 19  
 ✓ Moneses uniflora 8, 19  
 Muhlenbergia mexicana  
 Muhlenbergia racemosa  
 Myrica gale  
 ✓ Nemopanthus mucronata  
 Onoclea sensibilis  
 ✓ Osmunda cinnamomea 7, 8, 10, 16  
 Osmunda regalis  
 Parnassia caroliniana  
 Parthenocissus vitacea  
 Pedicularis lanceolata  
 Phalaris arundinacea  
 Physocarpus opulifolius  
 Poa palustris  
 Pogonia ophioglossoides  
 Polygala pauciflora 8, 11, 13  
 Potentilla palustris  
 Prenanthes alba  
 Pyrola asarifolia  
 Pyrola elliptica  
 Pyrola rotundifolia  
 Pyrola secunda 12  
 Ranunculus abortivus  
 ✓ Rhamnus alnifolia  
 Rhus radicans  
 Rhus vernix  
 Ribes americanum  
 Ribes cynosbati  
 Ribes hirtellum  
 Ribes lacustre  
 ✓ Ribes triste 4  
 Rorippa palustris  
 Rosa caroliniana  
 Rubus idaeus  
 Rubus triflorus 10, 13, 14, 15, 16  
 Rynchospora alba  
 Salix candida  
 Sarracenia purpurea

Saxifraga pennsylvanica  
Scirpus cyperinus  
Scirpus acutus  
Scirpus hudsonianus  
Scirpus rubrotinctus  
Scirpus validus  
Scutellaria epilobifolia  
Scutellaria lateriflora  
Selaginella selaginoides  
Sium suave

Smilacina trifolia  
Smilax herbacea  
Solidago serotina  
Spiraea alba  
Spiraea tomentosa  
Steironema lanceolatum  
Symplocarpus foetidus  
Thalictrum dasycarpum  
Trientalis borealis  
Triglochin maritima

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Typha latifolia  
Vaccinium angustifolium 15,  
Vaccinium macrocarpon  
Vaccinium oxycoccus  
Vaccinium pennsylvanicum  
Viburnum opulus  
Viola canadensis 3, 4, 5, 6, 8, 9, 10, 11  
Viola pallens 12, 13, 14, 16  
Vitis riparia 19

Additional species:

~~Saxifraga~~  
Oxalis montana 1, 2, 5, 11, 14, 19,  
Saxium triflorum 3, 4, 5, 7, 9, 12, 13, 14, 15,  
Ceter macrophyllus 2, 3, 5, 7, 9, 12, 13,  
Lonicera canadensis 2, 7, 9,  
Carex pedunculata 2, 4, 6, 8, 9, 10, 11, 12, 13, 14, 20  
Carex tri-sperma 1, 2, 6, 7, 8, 11, 12, 13, 14, 16, 20  
Carex di-sperma 15, 16, 19,  
Sphagnum 15, 16, 17, 19,  
Carex ~~intumescens~~  
lat 17, 8, 10, 12, 15,  
Cinna 1, 3  
Aclaea 4  
Carex ~~thrice~~ 5, 6, 9, 12, 13, 15, 16, 17, 19, 20  
Juncus 11  
Carex ~~stos~~ 13,  
Grass sp  
Nasturtium 17,  
Hypoxylon annos  
Luzula 20  
Hystrix sp.  
Halenia diflexa  
Carex brunneascens