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## Site 5107: Price County, Township 39N, Range 1W, Section 1. 1954-08-02

[s.l.]: [s.n.], 1954-08-02

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# CONIFER SWAMP

Ecology Form # 71

Stand # 107- Aug 3 - 54

Field Data Sheet - Trees

Redox

Conduc.

Cat.Cap.

Location *Pine 39N/W1*

pH

02

36" Bore

% Cover 10

Basal Area

Larix Picea Thuja Pop.tr. Betula pap.

*young Larix trees - quite a few*  
*enclosed, thick*  
*Green Grouse*

Distances

| Larix                 | Picea | Thuja | Pop.tr. | Betula pap. | Basal Area | % Cover | Distances       |
|-----------------------|-------|-------|---------|-------------|------------|---------|-----------------|
| (55)                  | 6.5 5 |       |         |             |            |         | 20.5, 30, 31,   |
| (55)                  | 4 6.5 |       |         |             |            |         | 8.5, 28, 10.5,  |
| (55)                  | 5 7.5 |       |         |             |            |         | 23, 25, 14      |
| (70)                  | (85)  |       |         |             |            |         | 7.25, 20, 13.75 |
| 8                     | 4     |       |         |             | (50)       |         | 13.5, 28, 10.5  |
| (70) (70)             |       |       |         |             |            |         | 15.5, 8.5, 6.5  |
| 4.5 8 4               |       |       |         |             |            |         | 9.75, 40, 12.5  |
| 7.5 7                 |       |       |         |             |            |         | 7.25, 5.75, 11, |
| (70) (55)             |       |       |         |             | (130)      |         | 56, 11, 27,     |
| (50) 6                |       |       |         |             |            |         | 11.75, 12, 20,  |
| (85) 7 4              | 4     |       |         | 6.5         | (95)       |         | 36, 16, 21      |
| 6 4                   |       |       |         |             | (90)       |         | 11.75, 11.5, 11 |
| 4 5.5                 |       |       |         |             |            |         | 6.5, 25, 21     |
| 7.5 (65) (60)         |       |       |         |             |            |         | 22, 9.75, 8.5   |
| (75) 6.5              |       |       |         |             |            |         | 18, 35, 36,     |
| 7.5 6.5 (55)          |       |       |         |             |            |         | 10, 32, 25,     |
| (50) 6.5 4            | 4     |       |         |             |            |         | 7.5, 48, 50,    |
| (65) 4.5 4            |       |       |         |             |            |         | 50, 9, 23,      |
| 4.5 6.5               |       |       |         |             |            |         | 36, 45, 25,     |
| 5 6.5 6               |       |       |         |             |            |         | 28, 12.5, 32    |
| 7.5 6.5               |       |       |         |             |            |         |                 |
| 8 6.5                 |       |       |         |             | 7.5        |         |                 |
| 4.5 6.5               |       |       |         |             | (60)       |         |                 |
| 5 7                   |       |       |         |             |            |         |                 |
| 7.5 (65)              |       |       |         |             |            |         |                 |
| 8 4.5 (100)           | 4 4   |       |         |             |            |         |                 |
| (65) (75)             | 4     |       |         |             |            |         |                 |
| 4 (85)                |       |       |         |             | (40)       |         |                 |
| 5.5                   |       |       |         |             | (110)      |         |                 |
| (40) (50)             |       |       |         |             | (45)       | (80)    |                 |
| (140) (60) (30)       |       |       |         |             |            |         |                 |
| (55)                  |       |       |         |             |            |         |                 |
| (65) 6 5.5            |       |       |         |             |            |         |                 |
| 6.5 4                 |       |       |         |             |            |         |                 |
| (60) TOTALS (45) (50) |       |       |         |             |            |         |                 |
| (35) (45)             |       |       |         |             |            |         |                 |

Sketch Map:

*100 ft field 70*

Plant Ecology Laboratory  
Data Form 68

Station No. 5107

h d w d 9

| Tree             | No. Pts. | No. Tr. | Size Cl. sq. in. |        |      | No. Dom. | No. Sap. | F% Seed | F% Tr. | D% Tr. | Dom% Tr. | DFD Index |          |
|------------------|----------|---------|------------------|--------|------|----------|----------|---------|--------|--------|----------|-----------|----------|
|                  |          |         | 12-80            | 81-320 | 321+ |          |          |         |        |        |          |           |          |
| Abies balsamea   |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Acer rubrum      |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Acer spicatum    |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Betula lutea     |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| B. papyrifera    | 1        | 1       | 1                |        |      | 34       |          |         | 2.8    | 1      | 0.8      | 4.6       | 30 16-1  |
| Carya cord.      |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| C. ovata         |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Fraxinus nigra   |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Juglans cinerea  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Larix laricina   | 20       | 83      | 76               | 7      |      | 3627     |          |         | 55.6   | 83     | 81.0     | 219.6     | 219.6    |
| Picea glauca     | 1        | 1       | 1                |        |      | 80       |          |         | 2.8    | 1      | 1.8      | 5.6       | 42 22.4  |
| P. mariana       | 5        | 6       | 6                |        |      | 72       |          |         | 13.9   | 6      | 1.6      | 21.5      | 241 43.0 |
| Pinus resinosa   |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| P. strobus       | 8        | 8       | 4                | 4      |      | 624      |          |         | 22.2   | 8      | 13.9     | 44.1      | 88 176.4 |
| Pop. balsamifera |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| P. grand.        |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| P. trem.         | 1        | 1       | 1                |        |      | 40       |          |         | 2.8    | 1      | 0.9      | 4.7       | 15 16.45 |
| Prunus serotina  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Pyrus americana  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Quercus bicolor  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Q. rubra         |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Thuja occ.       |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Tilia americana  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Tsuga can.       |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| Ulmus americana  |          |         |                  |        |      |          |          |         |        |        |          |           |          |
| U. rubra         |          |         |                  |        |      |          |          |         |        |        |          |           |          |

Total tran. 36 100

Av. Tr. Dis. 4477 20.5

Av. BA

No. Tr./Acre 100 100 100 300 410 493.9

Lanz

4 IIII

III

5 IIII

II

6 IIII

III IIII

7 IIII

III

8 IIII

55

55

45

50

50

45

75

65

50

70

65

85

100

3627

90

85

83

70

85

70

85

55

40

50

50

85

140

55

60

65

55

60

60

75

60

35

Pstr

7.5

44

50

130

95

90

60

110

45

624

Pgl

80

1-

Pica

Aptren

Bex

4 IIII

III

40

5

72

6

6

7

8

6.6 1 34

| Station No.                    | P. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |   |  |
|--------------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|---|--|
|                                |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Achillea millefolium</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Actaea</i> sp.              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Adiantum pedatum</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Agrostis gigantea</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Agrostis perennans</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Agrostis scabra</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Alnus rugosa</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Amphicarpa bracteata</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Anaphalis margaritacea</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Andromeda glaucophylla</i>  | ✓  |   | ✓ | ✓ |   |   |   |   |   |   |    |    |    |    |    |    |    | ✓  |    |    | ✓  | 4 |  |
| <i>Anemone canadensis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Anemone riparia</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Anemone virginiana</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Angelica atropurpurea</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aralia hispida</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aralia nudicaulis</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Arethusa bulbosa</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Arisaema atrorubens</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Asclepias incarnata</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Asclepias syriaca</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Asparagus officinalis</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aster junciformis</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aster lateriflorus</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aster macrophyllus</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aster novae-angliae</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Aster umbellatus</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Athyrium filix-femina</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Barbarea vulgaris</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Betula pumila</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Bidens comosa</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Bidens connata</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Bidens coronata</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Boehmeria cylindrica</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Botrychium virginianum</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Brachyelytrum erectum</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Bromus ciliatus</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Calamagrostis canadensi</i> |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Calla palustris</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Calopogon pulchellus</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Caltha palustris</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Campanula aparinoides</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex aquatilis</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex arcta</i>             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex bebbii</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex brunnescens</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex cephalantha</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex comosa</i>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex crinita</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex c. var. gynandra</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex debilis</i>           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |
| <i>Carex deweyana</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |   |  |

[illegible]

### TABULATION FORM

## CONIFER SWAMP

Stand No. 5107

| Station No.              | P. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
|                          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dryopteris cristata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dryopteris disjuncta     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dryopteris phegopteris   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dryopteris spinulosa     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dryopteris thelypteris   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Dulichium arundinaceum   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Echinocystis lobata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eleocharis smallii       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Epigaea repens           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Epilobium angustifolium  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Epilobium glandulosum va |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Epilobium strictum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Equisetum fluviatile     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Equisetum scirpoides     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Erigeron philadelphicum  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eriophorum angustifolium |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eriophorum spissum       |    | ✓ |   |   |   |   |   |   |   |   |    |    |    |    |    |    | ✓  |    |    |    | 1  |
| Eriophorum tenellum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eriophorum virginicum    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eriophorum viridi-carina |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eupatorium maculatum     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Eupatorium perfoliatum   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium aparine           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium boreale           |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium concinnum         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium labradoricum      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium trifidum          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galium triflorum         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Galeopsis tetrahit       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Gaultheria hispidula     |    | ✓ |   | ✓ | 1 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    | 2  |
| Gaultheria procumbens    |    | ✓ |   |   |   |   |   | ✓ |   |   |    |    |    |    |    |    |    |    |    |    | 1  |
| Gaylussacia baccata      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Gentiana linearis        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Geranium maculatum       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Geum laciniatum          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Geum rivale              |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Glyceria canadensis      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Glyceria grandis         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Glyceria striata         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Goodyera repens          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria clavellata     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria dilatata       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria hyperborea     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria lacera         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria leucophaea     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria media          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria obtusata       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Habenaria psycodes       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Halenia deflexa          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Hydrocotyle americana    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Hypericum virginicum     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |

TABULATION FORM

## CONIFER SWAMP

Stand No. 5107

| Station No.                    | P. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |    |
|--------------------------------|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
|                                |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Hystrix patula</i>          |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Ilex verticillata</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Impatiens capensis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <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>        | ✓  |   |   | ✓ | ✓ |   | ✓ |   |   |   | ✓  |    | ✓  | ✓  | ✓  |    |    | ✓  | ✓  | ✓  | ✓  | 11 |
| <i>Lactuca biennis</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lathyrus palustris</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Ledum groenlandicum</i>     | ✓  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  |    | ✓  | ✓  | ✓  | ✓  |    | ✓  | ✓  | ✓  | ✓  | 18 |
| <i>Leersia oryzoides</i>       |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Linnaea borealis</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Liparis loeselii</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Listera cordata</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lobelia siphilitica</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera canadensis</i>     |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera dioica</i>         |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera oblongifolia</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Lonicera villosa</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Luzula acuminata</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <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 thyrsiflora</i>  |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Maianthemum canadense</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <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>            |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Moneses uniflora</i>        |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Monotropa hypopithys</i>    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Monotropa uniflora</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Muhlenbergia mexicana</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Muhlenbergia racemosa</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Myrica gale</i>             |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Nasturtium officinale</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Nemopanthus mucronata</i>   |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Onoclea sensibilis</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
| <i>Osmunda cinnamomea</i>      |    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |

### TABULATION FORM

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TABULATION FORM

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## PRESENCE LIST

## CONIFER BOG

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Abies balsamea  
Acer rubrum  
Acer spicatum  
Betula lutea  
Betula papyrifera 5, 15, 16  
Carya cordiformis  
Fraxinus nigra

Juglans cinerea  
Larix laricina 11, 12, 13, 14  
Picea glauca  
Picea mariana  
Pinus resinosa  
Pinus strobus  
Populus tremuloides

Prunus serotina  
Quercus bicolor  
Quercus rubra  
Sorbus americana  
Thuja occidentalis  
Tsuga canadensis  
Ulmus americana

## HERBS AND SHRUBS

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

Dryopteris phegopteris  
Dryopteris spinulosa  
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 8  
Gaylussacia baccata  
Gentiana linearis  
Geum rivale  
Glyceria striata  
Goodyera repens  
Habenaria clavellata  
Habenaria dilatata  
Habenaria hyperborea  
Habenaria lacera  
Habenaria leucophaea  
Habenaria media  
Habenaria obtusata  
Habenaria psycodes  
Halenia deflexa  
Helenium autumnale  
Hypericum virginicum  
Ilex verticillata  
Impatiens biflora  
Iris versicolor  
Iris virginica  
Juncus tenuis 19, 20  
Kalmia polifolia 3, 4, 5, 10, 12, 13, 14, 17, 18  
Ledum groenlandicum 1, 2, 3, 4, 5, 6, 7, 8, 9  
Leersia oryzoides 10, 12, 13, 14, 15  
Linnaea borealis 12, 18, 19, 20  
Liparis loeselii  
Listera cordata  
Lobelia kalmii  
Lobelia siphilitica

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

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

Smilacina trifolia 79  
Smilax herbacea  
Solidago serotina  
Spiraea alba  
Spiraea tomentosa  
Steironema lanceolatum  
Symplocarpus foetidus  
Thalictrum dasycarpum  
Trientalis borealis  
Triglochin maritima

Typha latifolia  
Vaccinium angustifolium 15, 18, 20  
Vaccinium macrocarpon 13, 18, 20  
Vaccinium oxycoccus 10, 13  
Vaccinium pennsylvanicum  
Viburnum opulus  
Viola canadensis  
Viola pallens  
Vitis riparia

Additional species:

✓ Vaccinium myrt 1, 2, 4, 5, 6, 17,  
✓ Phragmites 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20  
to? 37, 15,  
✓ Eriophorum aquaticum 16,  
✓ Carex tripartita 9,  
✓ Salix repens  
Carex lasiocarpa 10,