

PLANT COLLECTIONS OF THE REGIONAL
COPPER-NICKEL STUDY

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Purpose of Collection

Herbarium collections serve the general functions of documenting the flora of an area, providing voucher specimens for quantitative vegetation studies, illustrating the range of variability within a taxon, and acting as teaching tools and reference collections for students and biologists. The collection made for the Regional Cooper-Nickel Study includes voucher specimens of 309 of the species of higher plants recorded in 62 Study Plots. In addition to its purpose of providing voucher specimens, the collection was used as a reference and teaching tool during the two field seasons. As part of the permanent collections of the University of Minnesota it will provide botanists with additional information concerning the natural variation, geographic ranges, and commonness or rarity of the included species.

Methods

Collections of vascular plants were made from study plots and several roadside areas during the 1976 and 1977 field seasons. Locations of study plots are shown in Figure 1, a map of the regional Copper-Nickel Study Area. Exact locations and dates of collection are recorded on the herbarium labels. Appendix I is a list of all species collected, arranged by collection number, and the herbarium in which they are deposited.

Standard methods of collection were used. An attempt was made to collect both the roots and reproductive parts (flowers or fruits) of all but rare or protected species. In the case of rare or protected species

only those portions of the plant necessary for identification were collected. Plants were dug with a garden trowel and transported to the laboratory in labelled plastic bags in an ice chest. Specimens were kept refrigerated until they could be identified and pressed.

Identification was completed in the laboratory with the aid of a 10 x magnifying lens or a 30 x dissecting microscope. Appropriate taxonomic references were chosen for the group in question. All references used in this study are listed in the bibliography. Nomenclature was standardized to follow that of Gray's Manual of Botany, 8th edition, except in the case of ferns, which follow Tryon (1954). Samples of difficult taxa were taken to the Quetico-Superior Wilderness Research Center herbarium or the Olga Lakela herbarium for comparison with their collections. Each separate species, location or date of collection was assigned a separate collection number at the time of identification. Wherever possible, triplicate collections were made of a species at a single location on a given date. Examples of the same species collected on separate dates or at separate locations bear separate collection numbers. Standard information recorded for each species included: scientific name, authority, common name, county and state, habitat description and specific location, name of person who identified the specimen, taxonomic references used, and number of individuals assigned to each collection number.

Plants were pressed, dried and mounted according to standard procedures. Large specimens were folded at the time of drying to fit a herbarium sheet and thick roots were cut to allow better drying. One leaf was turned to expose the characteristics of the underside. Labeling

and mounting were completed at the Olga Lakela Herbarium, University of Minnesota, Duluth, as part of a cooperative arrangement through which UMD provided expertise, materials, and student help in exchange for one copy of each specimen.

Specimens are stored at the University of Minnesota herbarium, St. Paul, with duplicate specimens at the Olga Lakela herbarium, University of Minnesota, Duluth. Specimens at each herbarium have been verified, corrected, or annotated by the curator or curator's assistant. Appendices II and III list corrected identifications or annotations made at each herbarium. Specimens at the Olga Lakela Herbarium will be retained as a separate collection filed in phylogenetic order, whereas those at the University of Minnesota will be assessed into the general collection. Specimens filed at the University of Minnesota can be rapidly located by qualified persons seeking to view them.

Bryophytes and lichens collected in the Study Area during the 1976 and 1977 field seasons, respectively, are stored at the herbarium of the University of Minnesota. Bryophytes were collected from the 34 Study Plots shown in Figure 2 and were identified by Rae Barclay of the Museum of Natural History, University of Minnesota. Rare or questionable identifications were verified by Dr. Howard Crum of the University of Michigan. Appendix IV lists all species found at each of the collection sites and notes those that are unusual.

Lichens were collected from 48 Study Plots and one additional plot by Dr. Clifford Wetmore of the Department of Botany, University of Minnesota. A complete list of taxa collected, their collection location and habitat preferences is included in the report "Lichens of the Study Area."

Discussion

The entire Study Area lies within the area covered by the Regional flora prepared by Lakela (1965). Because of the existence of this local flora and the inordinate amount of time and human resources required for such an effort no attempt was made to characterize the flora of the Study Area as a whole.

Before annotation the collection included 309 species, 107 genera, and 59 families, distributed among major groups as shown in Table 1. Families with large numbers of ruderals, such as the daisy family (Compositae or Asteraceae) are over-represented with respect to their importance in the vegetation of the study area as a whole. Members of the fern group (Pteridophyta) are well represented in the collection. Of ferns and fern allies listed by Lakela, 6 are restricted to the north shore or the southern third of the counties. The collection includes 23 of the remaining 44. On the whole these plants are more likely to be found in natural areas than disturbed ones. Microhabitats within study plots, such as boulders and ravines, provide appropriate habitats. Small families with ubiquitous species are well-represented. Of 10 members of the Pinaceae not restricted to the North Shore of Lake Superior, the collection includes 9.

Aside from graminoids, which were collected only sparingly, the following species were present in Copper-Nickel Study plots but are not represented by voucher specimens.

Trillium grandiflorum

Cryptotaenia canadensis

Matteucia struthiopteris

Typha latifolia

Corallorhiza striata

Quercus macrocarpa

Thalictrum dioicum

Rosa blanda

Gnaphalium macounii

Gaultheria hispidula

Floristic survey of Study Plots could have been facilitated by the following procedures:

1. Pre-season review of rare species known to be present in the Study Area and intensive search for these species in their preferred habitats during their blooming season.
2. Inclusion of a graminoid specialist as part of the field team, or a contractual agreement with such a specialist for identification of all graminoids.

TABLE I
DISTRIBUTION OF COLLECTION AMONG MAJOR GROUPS

	Number of Species	Number of Genera	Number of Families
Pteridophyta	23	13	4
Gymnosperms	9	6	1
Monocotyledons	54	30	7
Dicotyledons	<u>223</u>	<u>58</u>	<u>47</u>
TOTAL	309	107	59

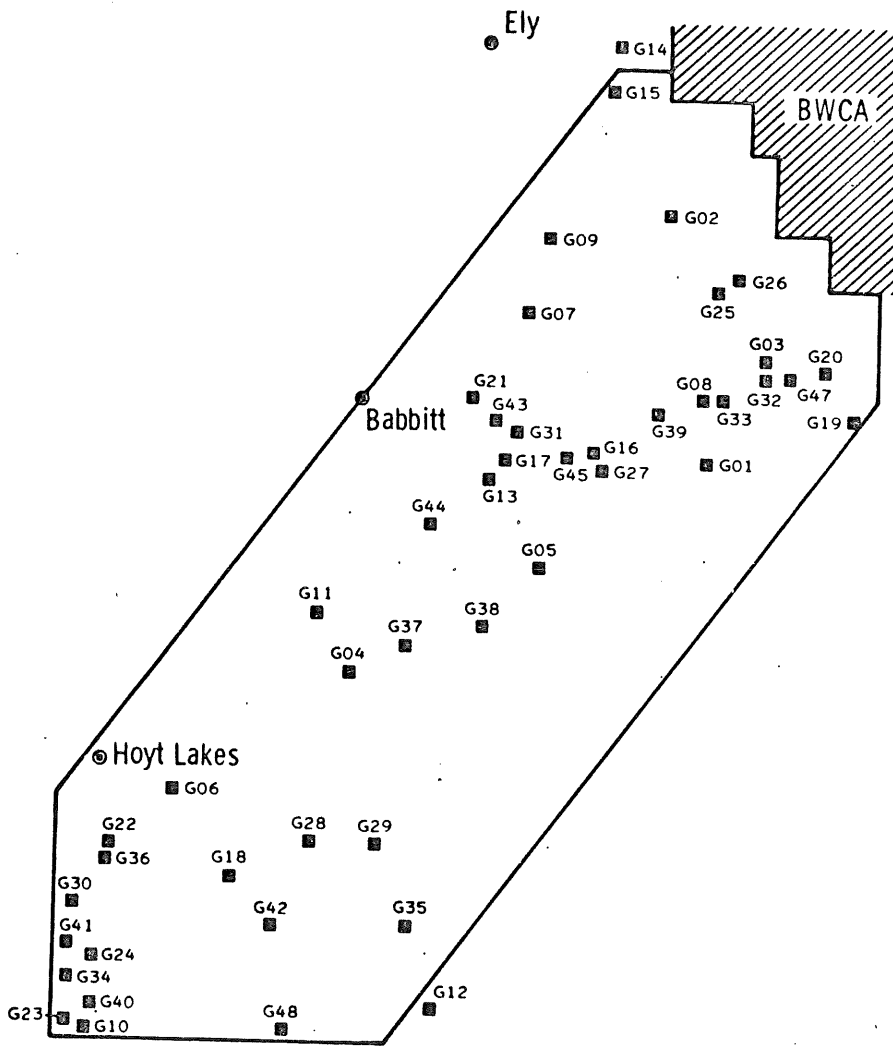


FIGURE 1 Location of 1977 collection sites

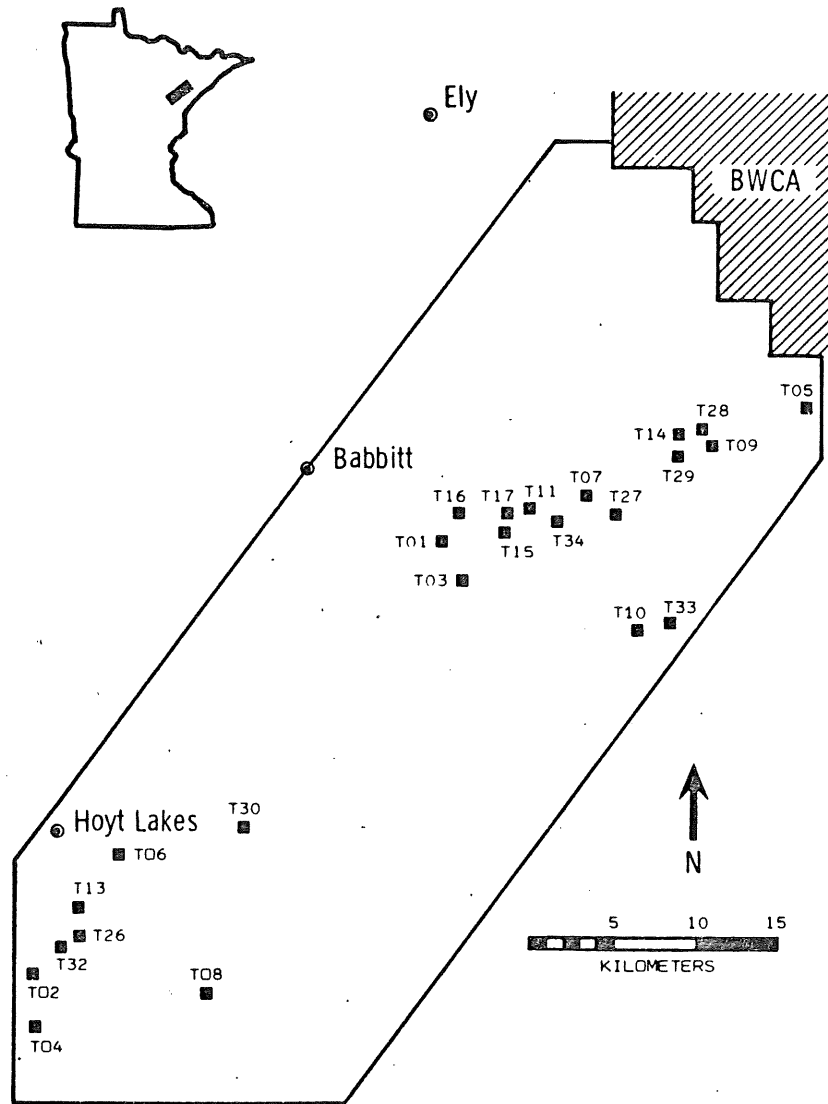


FIGURE 2 Location of 1976 collection sites

Taxonomic references used as aids to identification of the specimens:

- Allison, H. 1959. Key to the grasses of Minnesota found in the wild or commonly cultivated as crops. Minneapolis, Dept. of Botany, Univ. of Minn.
- Argus, G. W. 1964. Preliminary reports on the flora of Wisconsin. No. 51. Salicaceae. The genus *Salix*--the Willows. Trans. Wisc. Acad. Sci., Arts and Letters. 53:217-272.
- Cobb, B. 1963. A field guide to the ferns. Boston. Houghton Mifflin.
- Fassett, N. C. 1969. Manual of Aquatic plants. Madison. University of Wisconsin Press.
- Gleason, H. A. and A. Cronquist. 1963. Manual of the vascular plants of northeastern United States and adjacent Canada. New York. Van Nostrand Co.
- Lakela, O. 1965. A flora of northeastern Minnesota. Minneapolis. University of Minnesota Press.
- Fernald, M. L. (ed.) 1950. Gray's Manual of Botany. New York. American Book Company.
- Britton, N. L. and A. Brown. 1913 (reprint 1970). An illustrated flora of the northern United States and Canada. New York. Dover Publications.
- Morley, T. 1969. Spring flora of Minnesota. Minneapolis. University of Minnesota Press.
- Pohl, R. W. 1954. How to know the grasses. Dubuque. Wm. C. Brown Company, Publishers.
- Rosendahl, C. O. and A. Cronquist. 1949. The asters of Minnesota: a floristic study. American Midland Naturalist 42:503-512.
- Rosendahl, C. O. and A. Cronquist. The goldenrods of Minnesota. American Midland Naturalist :244-253.
- Tryon, R. M. 1954. The ferns and fern allies of Minnesota. Minneapolis. University of Minnesota Press.

APPENDIX I

PLANTS COLLECTED BY THE REGIONAL
COPPER-NICKEL STUDY

Specimens are listed in order of collection number. Except in the case of ferns, nomenclature follows Gray's Manual of Botany, 8th edition, unless otherwise noted. Fern nomenclature follows Tryon (1954).

The collection is housed at the University of Minnesota herbarium, St. Paul, Minnesota, with duplicate specimens at the Olga Lakela herbarium, University of Minnesota at Duluth. Because duplicates had not been fully separated at the time the main collection was deposited at the University of Minnesota herbarium, location of specimens is noted in the column entitled "disposal."

Identification of specimens has been verified or annotated by the curator or assistants at the herbarium in which each specimen is housed. Corrections and annotations made previous to January 1, 1979 are listed in Appendices B and C.

Collection Number	Name	Disposal	
		U of M	UMD
1.	<u>Chamaedaphne calyculata</u> (L) Moench.	X	X
2.	<u>Petasites</u> cf. <u>palmatum</u> (Ait.) Gray	X	X
3.	<u>Luzula acuminata</u> Raf.	X	
4.	<u>Pyrus Malus</u> L.	X	X
5.	<u>Amelanchier bartramiana</u> (Tausch) Roemer	X	X
6.	<u>Salix</u> Sp. L.	X	
7.	<u>Amelanchier</u> sp L.	X	
8.	<u>Lonicera</u> sp L.	X	X
9.	<u>Ribes hirtellum</u> Michx.	X	X
10.	<u>Carex</u> sp. L.		X
11.	<u>Lycopodium clavatum</u> L.	X	
12.	<u>Polypodium virginianum</u> L.	X	
13.	<u>Lycopodium obscurum</u> L.	X	
14.	<u>Lycopodium annotinum</u> L.	X	X
15.	<u>Corylus cornuta</u> Marsh.		X
16.	<u>Acer spicatum</u> Lam.	X	
17.	<u>Alnus crispa</u> (Ait.) Pursh	X	X
18.	<u>Anemone quinquefolia</u> L.	X	X
19.	<u>Polygala paucifolia</u> Willd	X	X
20.	<u>Brassica rapa</u> L. var <u>Sylvestris</u> (Lam) Briggs	X	X
21.	<u>Viola pubescens</u> Ait.	X	X
22.	<u>Viola conspersa</u> Reichenb.	X	X
23.	<u>Viola adunca</u> J. E. Smith	X	X
24.	<u>Viola</u> cf <u>renifolia</u> Gray	X	X
25.	<u>Caltha palustris</u> L.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
26.	<u>Lycopodium complanatum</u> L.	X	X
27-41.	<u>Amelanchier</u> sp. Medic.	X	X
42.	<u>Andromeda glaucophylla</u> Link.	X	X
43.	<u>Galium labradoricum</u> Wieg.		
44.	<u>Aralia nudicaulis</u> L.	X	
45.	<u>Anemone canadensis</u> L.	X	X
46.	<u>Trientalis borealis</u> Raf.	X	
47.	<u>Oryzopsis asperifolia</u> Michx.	X	X
48.	<u>Eriophorum Spissum</u> Fern.	X	X
49.	<u>Eriophorum gracile</u> Koch.	X	
50.	<u>Carex intumescens</u> Rudge	X	X
51.	<u>Vaccinium myrtilloides</u> Michx.	X	X
52.	<u>Ledum groenlandicum</u> L.	X	X
53.	<u>Fragaria virginiana</u> Duchesne	X	X
54.	<u>Clintonia borealis</u> (Ait.) Raf.	X	X
55.	<u>Maianthemum canadense</u> v. <u>canadense</u> Desf.	X	X
56.	<u>Cornus stolonifera</u> Michx.	X	X
57.	<u>Cornus canadensis</u> L.	X	X
58.	<u>Rosa acicularis</u> Lindl.	X	X
59.	<u>Actaea rubra</u> (Ait.) Willd.	X	X
60.	<u>Aquilegia canadensis</u> L.	X	X
61.	<u>Chrysanthemum Leucanthemum</u> L.	X	X
62.	<u>Linnaea borealis</u> L.	X	X
63.	<u>Ranunculus acris</u> L.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
64.	<u>Calla pulustris</u> L.	X	X
65.	<u>Potentilla norvegica</u> L.	X	
66.	<u>Geranium bicknellii</u> Butt.	X	X
67.	<u>Comptonia peregrina</u> (L.) Coulter	X	X
68.	<u>Rubus idaeus</u> v. <u>Strigosus</u> (Michx.) Maxim.	X	X
69.	<u>Viburnum rafinesquianum</u> Schultes	X	
70.	<u>Carex Houghtonii</u> Torr.	X	X
71.	<u>Mertensia paniculata</u> (Ait.) G. Don.	X	X
72.	<u>Lathyrus ochroleucus</u> Hook.	X	X
73.	<u>Carex brunnescens</u> (Pers) Poir	X	X
74.	<u>Carex brunnescens</u> (Pers) Poir	X	X
75.	<u>Viburnum rafinesquianum</u> Schultes	X	X
76.	<u>Galium triflorum</u> Michx.	X	X
77.	<u>Acer spicatum</u> Lam.	X	X
78.	<u>Cynoglossum boreale</u> Fern.	X	X
79.	<u>Cornus rugosa</u> Lam.	X	X
80.	<u>Rubus idaeus</u> v <u>Strigosus</u> (Michx.) Maxim.	X	
81.	<u>Antennaria neglecta</u> Greene	X	X
82.	<u>Iris versicolor</u> L.	X	X
83.	<u>Achillea Millefolium</u> L.	X	X
84.	<u>Sorbus americana</u> Marsh.		
85.	<u>Corydalis aurea</u> Willd.	X	X
86.	<u>Corallorhiza maculata</u> Raf.	X	
87.	<u>Pyrola asarifolia</u> Michx.	X	
88.	<u>Moneses uniflora</u> (L.) Gray	X	

Collection Number	Name	Disposal	
		U of M	UMD
89.	<u>Corydalis sempervirens</u> L.	X	X
90.	<u>Apocynum androsaemifolium</u> L.	X	X
91.	<u>Lychnis alba</u> Mill.	X	X
92.	<u>Rumex Acetosella</u> L.	X	X
93.	<u>Achillea millefolium</u> L.	X	X
94.	<u>Myrica gale</u> L.	X	X
95.	<u>Sorbus americana</u> Marsh.	X	X
96.	<u>Lonicera hirsuta</u> Eat.	X	X
97.	<u>Rumex crispus</u> L.	X	X
98.	<u>Lathyrus venosus</u> Muhl.		X
99.	<u>Equisetum sylvaticum</u> L.	X	X
100.	<u>Potentilla recta</u> L.	X	X
101.	<u>Physalis grandiflora</u> Hook. (<u>Chamaesarcha grandiflora</u>) (Hook) fern.	X	X
102.	<u>Phleum pratense</u> L.	X	X
103.	<u>Actaea pachypoda</u> Ell.	X	X
104.	<u>Smilax herbacea</u> L.	X	
105.	<u>Carex cf. interior</u> Bailey	X	X
106.	<u>Carex gracillima</u> Schwein.	X	X
107.	<u>Vaccinium oxycoccos</u> L.	X	X
108.	<u>Vaccinium angustifolium</u> Ait.	X	
109.	<u>Dryopteris spinulosa</u> (O. F. Muell.) Watt.		X
110.	<u>Polygonum cilinode</u> Michx.	X	X
111.	<u>Carex odusta</u> Bott.	X	X
112.	<u>Carex paupercula</u> Michx.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
113.	<u>Carex leptalea</u> Wahl.	X	X
114.	<u>Sarracenia purpurea</u> L.	X	X
115.	<u>Dracocephalum parviflorum</u> Nutt.	X	X
116.	<u>Vicia americana</u> Muhl.	X	X
117.	<u>Barbarea Vulgaris</u> R. Br.	X	X
118.	<u>Hieracium canadense</u> Michx.	X	X
119.	<u>Diervilla Lonicera</u> Mill.	X	X
120.	<u>Epilobium angustifolium</u> L.	X	X
121.	<u>Oenothera biennis</u> L.	X	X
122.	<u>Castilleja coccinea</u> (L.) Spreng	X	X
123.	<u>Lonicera hirsuta</u> Amos Eaton	X	X
124.	<u>Arenaria macrophylla</u> Hook.	X	X
125.	<u>Hypericum perforatum</u> L.	X	X
126.	<u>Lysimachia ciliata</u> L.	X	X
127.	<u>Sanicula marilandica</u> L.	X	X
128.	<u>Petasites palmatus</u> (Ait.) Gray	X	X
129.	<u>Viola pubescens</u> Ait.	X	
130.	<u>Rubus parviflorus</u> Nutt.	X	X
131.	<u>Rudbeckia serotina</u> Nutt.	X	X
132.	<u>Athyrium Filix-femina</u> (L.) Roth		
133.	<u>Ribes hirtellum</u> Michx.	X	X
134.	<u>Arethusa bulbosa</u> L.	X	X
135.	<u>Osmunda regalis</u> L.	X	X
136.	<u>Gymnocarpium dryopteris</u> (L.) Newm.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
137.	<u>Equisetum palustre</u> L.		
138.	<u>Cynoglossum boreale</u> Fern.	X	
139.	<u>Betula pumila</u> L.	X	
140.	<u>Lonicera</u> cf. <u>oblongifolia</u> (Goldie) Hook.	X	X
141.	<u>Rubus acaulis</u> Michx.	X	
142.	<u>Thelypteris palustris</u> Schott.	X	X
143.	<u>Vaccinium angustifolium</u> Ait.		
144.	<u>Rumex Acetosa</u> L.		X
145.	<u>Pyrola asarifolia</u> Michx.	X	
146.	<u>Dryopteris cristata</u> (L.) A. Gray	X	X
147.	<u>Ilex verticillata</u>	X	
148.	<u>Lycopodium complanatum</u> L.	X	
149.	<u>Lycopodium lucidulum</u> Michx.	X	
150.	<u>Senecio pauperculus</u> Michx. v. <u>balsamitae</u> (Muhl) Fern.	X	X
151.	<u>Lonicera canadensis</u> Marsh.	X	
152.	<u>Aralia hispida</u> Vent.	X	X
153.	<u>Rubus pubescens</u> Raf.	X	X
154.	<u>Rorippa hispida</u> (Desv.) Britton	X	
155.	<u>Sonchus asper</u> (L.) Hill	X	
156.	<u>Erigeron canadensis</u> L.	X	
157.	<u>Salix</u> sp. L.		
158.	<u>Senecio pauperculus</u> Michx. v. <u>balsamitae</u> (Muhl) Fern.		
159.	<u>Geranium bicknelli</u> Britt.	X	
160.	<u>Matteucia Struthiopteris</u> (L.) Todaro		

Collection Number	Name	Disposal	
		U of M	UMD
161.	<u>Carex paupercula</u> Michx.	X	X
162.	<u>Carex Houghtonii</u> Torr.		
163.	<u>Viola</u> cf. <u>Selkirkii</u> Pursh.	X	
164.	<u>Viola pallens</u> (Banks.) Brainerd		
165.	<u>Viola adunca</u> J. E. Smith	X	
166.	<u>Viola</u> cf. <u>incognita</u> Brainerd	X	X
167.	<u>Viola</u> cf. <u>novae-angliae</u> House	X	
168.	<u>Carex</u> cf. <u>interior</u> Bailey	X	X
169.	<u>Lonicera oblongifolia</u> (Goldie) Hook.		
170.	<u>Carex brunnescens</u> (Pers.) Poir	X	X
171.	<u>Botrychium virginianum</u> L.	X	
172.	<u>Athyrium Filix-femina</u> L.	X	X
173.	<u>Viola</u> sp. L.	X	
174.	<u>Viola pallens</u> (Banks) Brainerd	X	
175.	<u>Salix gracilis</u> Anderss.	X	
176.	<u>Salix pedicellaris</u> Pursh.	X	
177.	<u>Osmunda cinnomomea</u> L.	X	X
178.	cf. <u>Lactuca</u> op. L.		
179.	<u>Lycopodium clavatum</u> L.	X	X
180.	<u>Rubus idaeus</u> v. <u>Strigosus</u> (Michx.) Maxim.	X	
181.	<u>Mitella nuda</u> L.	X	X
182.	<u>Pyrola secunda</u> L.		
183.	<u>Erigeron strigosus</u> Muhl.	X	X
184.	<u>Potentilla norvegica</u> L.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
185.	<u>Andromeda glaucophylla</u> Link.	X	X
186.	<u>Ribes triste</u> Pall.	X	
187.	<u>Viola</u> cf. <u>Selkirkii</u> Pursh.	X	
188.	<u>Lycopodium obscurum</u> D. C. Eat.	X	X
189.	<u>Plantago major</u> L.	X	X
190.	<u>Equisteum</u> cf. <u>arvense</u> L.	X	X
191.	cf. <u>Aralia nudicaulis</u> L.		X
192.	<u>Equisetum</u> cf. <u>fluviatile</u> L.	X	
193.	unknown		
194.	unknown		
195.	<u>Dryopteris cristata</u> (L.) A. Gray		
196.	<u>Pyrola secunda</u> L.	X	X
197.	cf. <u>Lactuca pulchella</u> (Pursh) DC	X	
198.	<u>Zizia aptera</u> (Walt) DC	X	X
199.	<u>Geum aleppicum</u> v. <u>strictum</u> (Ait.) Fern.	X	X
200.	<u>Gymnocarpium dryopteris</u> L. J. Newn	X	
201.	<u>Botrychium matricariaefolium</u> A. Br.	X	
202.	<u>Dryopteris spinulosa</u> (O. F. Mull.) Watt	X	
203.	no specimen		
204.	<u>Moneses uniflora</u> (L.) Grey	X	
205.	<u>Pyrola elliptica</u> Nutt.	X	
206.	<u>Habenaria hyperborea</u> v. <u>huronensis</u> (Nutt.) Farw.	X	
207.	<u>Thelypteris palustris</u> Schott.	X	
208.	unknown		

Collection Number	Name	Disposal	
		U of M	UMD
209.	unknown		
210.	unknown		
211.	<u>Lycopus</u> Michx.	X	
212.	unknown		
213.	unknown		
214.	<u>Hepatica americana</u> (DC) Kerr	X	
215.	unknown		
216.	unknown		
217.	<u>Corylus cornuta</u> Marsh.	X	
218.	<u>Chimaphila umbellata</u> L. (Bart) v <u>cisatlantica</u> Blake	X	
219.	<u>Lycopodium complanatum</u> L.	X	
220.	<u>Corallorhiza maculata</u> Raf.	X	
221.	<u>Monotropa uniflora</u> L.	X	
222.	<u>Lysimachia ciliata</u> L.	X	X
223.	<u>Viola</u> cf. <u>incognita</u> Brainerd	X	
224.	<u>Viola</u> cf. <u>incognita</u> Brainerd	X	
225.	<u>Viola</u> sp. L.		
226.	<u>Ribes hudsonianum</u> Richards		
227.	<u>Lathyrus japonicus</u> Willd.		
228.	<u>Cornus stolonifera</u> Michx.	X	X
229.	<u>Cirsium arvense</u> (L.) Scop.	X	X
230.	<u>Spiraea alba</u> DuRoi	X	X
231.	<u>Viola</u> cf. <u>pallens</u> (Banks) Brainerd	X	
232.	<u>Viola</u> cf. <u>selkirkii</u> Purch		

Collection Number	Name	Disposal	
		U of M	UMD
233.	<u>Viola selkirkii</u> Pursh	X	
234.	<u>Poa pratensis</u> L.	X	X
235.	<u>Carex trisperma</u> Dewey	X	X
236.	<u>Potentilla palustris</u> (L.) Scop.	X	X
237.	<u>Coptis groenlandica</u> (Oeder) Fern.	X	
238.	<u>Melampyrum lineare</u> Desr.	X	X
239.	<u>Corylus americana</u> Walt	X	X
240.	<u>Stellaria calycantha</u> (Lebed.) Bong	X	X
241.	<u>Viola renifolia</u> Gray	X	X
242.	<u>Impatiens capensis</u> Meerb.	X	
243.	<u>Drosera rotundifolia</u> L.	X	X
244.	<u>Vaccinium oxycoccus</u> L.	X	
245.	<u>Moneses uniflora</u> (L.) Gray	X	
246.	<u>Prunella vulgaris</u> L.	X	X
247.	<u>Anaphalis margaritacea</u> (L.) C. B. Clarke	X	X
248.	<u>Erigeron strigosus</u> Muhl.	X	X
249.	<u>Cicuta maculata</u> L.	X	X
250.	<u>Viburnum trilobum</u> Marsh.		
251.	<u>Cornus canadensis</u> L.	X	X
252.	<u>Solidago juncea</u> Ait.	X	X
253.	<u>Pyrola elliptica</u> Nutt.	X	
254.	<u>Dryopteris Spinulosa</u> (O. F. Mull) Watt	X	X
255.	<u>Melilotus alba</u> Desr.	X	X
256.	<u>Lysimachia ciliata</u> L.	X	

Collection Number	Name	Disposal	
		U of M	UMD
257.	<u>Galium trifidum</u> L.	X	X
258.	<u>Carex lacustris</u> Willd.	X	X
259.	<u>Carex</u> Sp. L.	X	X
260.	<u>Glyceria canadensis</u> (Michx.) Trin.	X	X
261.	<u>Sonchus arvensis</u> L.	X	
262.	<u>Carex vesicaria</u> L.	X	X
263a.	<u>Carex lacustris</u> Willd.	X	X
264.	<u>Onoclea sensibilis</u> L.	X	X
265.	<u>Lycopus uniflorus</u> Michx.		
266.	<u>Mentha arvensis</u> L.	X	
267.	<u>Epilobium leptophyllum</u> Raf.	X	
268.	<u>Elilobium leptophyllum</u> Raf.	X	X
269.	<u>Ribes glandulosum</u> Richards		
270.	<u>Lycopus uniflorus</u> Michx.	X	
271.	<u>Galium asprellum</u> Michx.	X	X
272.	<u>Hypericum virginicum</u> L.		X
273.	<u>Eupatorium maculatum</u> L.	X	X
274.	<u>Campanula uliginosa</u> Rydb.	X	X
275.	<u>Galium trifidum</u> L.	X	X
276.	<u>Lycopus uniflorus</u> Michx.	X	
277.	<u>Viola pallens</u> (Banks) Brainerd	X	
278.	<u>Salix pedicellaris</u> Pursh.		X
279.	<u>Salix gracilis</u> J. E. Smith	X	X
280.	<u>Carex lupulina</u> Muhl.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
281.	<u>Juncus nodosus</u> L.	X	X
282.	<u>Monotropa uniflora</u> L.	X	
283.	<u>Kalmia polifolia</u> Wang.	X	X
284.	<u>Mitella nuda</u> L.	X	
285.	<u>Carex leptalea</u> Wahlenb.	X	X
286.	<u>Salix</u> cf. <u>pyrifolia</u> Anderss.	X	X
287.	<u>Solidago graminifolia</u> L.	X	
288.	<u>Melampyrum lineare</u> Desr.	X	X
289.	<u>Lobelia inflata</u> L.	X	
290.	<u>Aralia hispida</u> Vent.	X	
291.	no specimen		
292.	<u>Carex pauciflora</u> Lightf.	X	
293.	<u>Halenia deflexa</u> J. E. Smith	X	
294.	<u>Carex disperma</u> Dewey		
295.	<u>Carex trisperma</u> Dewey		
296.	<u>Aster macrophyllus</u> L.	X	X
297.	<u>Aster umbellatus</u> Mill	X	
298.	<u>Galeopsis Tetrahit</u> L.	X	X
299.	<u>Carex Crawfordii</u> Fern.	X	X
300.	cf. <u>Petasites vitifolius</u>		
301.	<u>Hieracium aurantiacum</u> L.	X	X
302.	<u>Parnassia palustris</u> L.	X	X
303.	<u>Lobelia inflata</u> L.	X	
304.	<u>Chelone glabra</u> L.	X	

Collection Number	Name	Disposal	
		U of M	UMD
305.	<u>Campanula uliginosa</u> Rydb.		
306.	<u>Ribes hirtellum</u> Michx.	X	
307.	<u>Pyrola virens</u> Schweig.	X	
308.	<u>Equisetum sylvaticum</u> L.	X	
309.	<u>Pyrola virens</u> Michx.	X	
310.	<u>Clematis verticillaris</u> DC.	X	X
311.	<u>Sanicula manilandica</u> L.	X	
312.	<u>Scirpus atrocinctus</u> Fern.	X	X
313.	<u>Coptis groenlandica</u> (Oeder) Fern		
314.	<u>Poa pratensis</u> L.	X	
315.	<u>Calamagrostis inexpansa</u> Gray	X	
316.	<u>Carex adusta</u> Wahl.	X	X
317.	<u>Salix bebbiana</u> Sarg.	X	
318.	<u>Salix pedicellaris</u> Pursh	X	
319.	<u>Glyceria striata</u> (Lam.) Hitchc.	X	
320.	<u>Salix gracilis</u> J. E. Smith	X	X
321.	<u>Salix</u> sp. L.	X	
322.	<u>Carex projecta</u> Mackenz.	X	X
323.	unknown		
324.	unknown		
325.	<u>Calamagrostic inexpansa</u> Gray	X	X
326.	<u>Viola pallens</u> (Banks) Brainerd	X	X
327.	<u>Viola</u> cf. <u>incognita</u> Brainerd	X	
328.	unknown		

Collection Number	Name	Disposal	
		U of M	UMD
353.	<u>Lathyrus venosus</u> Muhl.	X	
354.	<u>Galium boreale</u> L.	X	X
355.	<u>Cardamine parviflora</u> L.	X	X
356.	<u>Lithospermum canescens</u> (Michx.) Lehm.	X	X
357.	<u>Symphoricarpos albus</u> (L.) Blake		
358.	<u>Rubus acaulis</u> Michx.	X	X
359.	<u>Smilacina trifolia</u> (L.) Desf.	X	X
360.	<u>Cypripedium acaule</u> Ait.	X	
361.	<u>Equisetum sylvaticum</u> L.	X	
362.	<u>Stellaria calycantha</u> (Lebed.) Bong		
363.	<u>Ribes</u> sp. L.	X	
364.	<u>Hieracium</u> sp. L.	X	X
365.	cf. <u>Petasites vitifolius</u> Greene	X	
366.	<u>Cynoglossum boreale</u> Fern.	X	
367.	<u>Prunus pensylvanica</u> L. F.	X	X
368.	<u>Populus tremuloides</u> Michx.	X	X
369.	<u>Alnus rugosa</u> (Du Roi) Spreng.	X	
370.	<u>Populus balsamifera</u> L.	X	X
371.	<u>Picea mariana</u> (Mill) BSP	X	X
372.	<u>Pinus banksiana</u> Lamb	X	X
373.	<u>Geocaulon lividum</u> (Richards) Fern.	X	X
374.	<u>Zizia aptera</u> (Gray) Fern.	X	X
375.	<u>Smilacina racemosa</u> (L.) Desf.		X
376.	<u>Smilacina trifolia</u> (L.) Desf.	X	

Collection Number	Name	Disposal	
		U of M	UMD
377.	<u>Betula papyrifera</u> Marsh.	X	
378.	<u>Alnus rugosa</u> (Du Roi) Spreng.	X	
379.	<u>Larix laricina</u> (Du Roi) K. Koch.	X	X
380.	<u>Acer spicatum</u> Lam.	X	X
381.	<u>Viburnum trilobum</u> Marsh.	X	X
382.	<u>Cornus rugosa</u> Lam.	X	X
383.	<u>Vaccinium Oxycoccos</u> L.		X
384.	<u>Prunus virginiana</u> L.	X	X
385.	<u>Symphoricarpos albus</u> L.		
386.	<u>Lonicera dioica</u> L. V. <u>glaucescens</u> (Rydb.)		
387.	<u>Hieracium aurantiacum</u> L.		
388.	<u>Botrychium virginianum</u> (L.) Sw.	X	
389.	<u>Ilex verticillata</u> (L.) Gray	X	X
390.	<u>Carex paupercula</u> Michx.	X	X
391.	unknown	X	
392.	<u>Thalictrum dasycarpum</u> Fisch. & Lall.		
393.	<u>Lycopodium annotinum</u> L.	X	
394.	<u>Thalictrum dasycarpum</u> Fisch. & Lall.	X	X
395.	<u>Lycopodium complanatum</u> L.	X	
396.	<u>Fragaria</u> Sp. L.		
397.	<u>Habenaria obtusata</u> (Pursh) Richards	X	
398.	<u>Convolvulus spithameus</u> . L.	X	
399.	<u>Carex</u> sp. L.	X	
400.	<u>Carex</u> sp. L.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
401.	<u>Lonicera</u> cf. <u>canadensis</u> Bartr.		
402.	<u>Lonicera</u> cf. <u>villosa</u> (Michx.) R & S		
403.	<u>Carex</u> sp. L.	X	X
404.	<u>Mitella</u> <u>nuda</u> L.	X	
405.	unknown		
406.	<u>Habenaria</u> <u>hyperborea</u> (L.) R. Br.	X	
407.	<u>Silene</u> <u>Cucubalus</u> Wibel	X	X
408.	<u>Ribes</u> <u>glandulosum</u> Grauer	X	X
409.	<u>Lonicera</u> <u>villosa</u> (Michx.) R & S	X	X
410.	<u>Lysimachia</u> <u>thyrisiflora</u> L.	X	X
411.	<u>Dracocephalum</u> <u>parviflorum</u> Nutt.	X	
412.	<u>Salix</u> sp. L.	X	
413.	<u>Lycopodium</u> <u>selago</u> L.		
414.	<u>Comandra</u> <u>umbellata</u> (L.) Nutt. (nomenclature follows Gleason and Cronquist)	X	X
415.	<u>Achillea</u> <u>Millefolium</u> L.	X	X
416.	<u>Calla</u> <u>palustris</u> L.	X	
417.	<u>Lycopodium</u> <u>annotinum</u> v. <u>acrifolium</u> Fern.	X	
418.	<u>Ribes</u> <u>glandulosum</u> Grauer	X	X
419.	<u>Lonicera</u> <u>hirsuta</u> Eat.	X	X
420.	<u>Woodsia</u> <u>ilvensis</u> (L.) R. Br.	X	
421.	<u>Salix</u> <u>pyrifolia</u> Anderss.	X	X
422.	<u>Betula</u> <u>pumila</u> L.	X	X
423.	<u>Lycopodium</u> <u>complanatum</u> L.	X	
424.	<u>Lysimachia</u> <u>thrysiflora</u> L.		

Collection Number	Name	Disposal	
		U of M	UMD
425.	<u>Potentilla tridentata</u> Ait.	X	X
426.	<u>Moneses uniflora</u> (L.) Gray	X	X
427.	<u>Sanicula marilandica</u> L.		
428.	<u>Pyrola</u> cf. <u>elliptica</u> Nutt.	X	
429.	<u>Ilex verticillata</u> (L.) Gray	X	X
430.	<u>Scutellaria epilobiifolia</u> A. Hamilton	X	
431.	<u>Malaxis unifolia</u> Michx.	X	
432.	<u>Uvularia sessilifolia</u> L.	X	
433.	<u>Circaea alpina</u> L.		X
434.	<u>Chenopodium hybridum</u> L.	X	
435.	<u>Sium suave</u> Walt.	X	
436.	<u>Viola pubescens</u> Ait.	X	
437.	<u>Campanula uliginosa</u> Rydb.	X	X
438.	<u>Sambucus pubens</u> Michx.	X	X
439.	cf. <u>Petasites vitifolius</u> Greene	X	
440.	<u>Ribes americanum</u> Mill	X	
441.	<u>Hypericum perforatum</u> L.	X	
442.	<u>Carex Houghtonii</u> Torr.	X	X
443.	<u>Galium trifidum</u> Michx.	X	
444.	<u>Carex intumescens</u> Rudge.	X	X
445.	<u>Carex interior</u> Bailey	X	X
446.	<u>Petasites sagittatus</u> (Pursh) Gray	X	
447.	<u>Carex gracillima</u> Schwein.	X	
448.	unknown		

Collection Number	Name	Disposal	
		U of M	UMD
449.	<u>Carex leptalea</u> Wahl.	X	X
450.	<u>Carex Houghtonii</u> Torr.	X	
451.	<u>Castilleja coccinea</u> (L.) Spreng.	X	
452.	<u>Carex rostrata</u> Stokes	X	
453.	<u>Sonchus arvensis</u> L. Guenth., Grab. & Winn.	X	X
454.	<u>Carex</u> cf. <u>prasina</u> Wahlenb.	X	
455.	unknown	X	
456.	<u>Goodyera repens</u> (L.) R. Br.	X	
457.	<u>Pyrola secunda</u> L.	X	X
458.	<u>Pyrola elliptica</u> Nutt.	X	
459.	<u>Galeopsis Tetrahit</u> L.	X	
460.	<u>Verbena hastata</u> L.	X	X
461.	<u>Pyrola elliptica</u> Nutt.	X	
462.	<u>Halenia deflexa</u> (Sm.) Griseb.		
463.	<u>Sium suave</u> Walt.	X	
464.	<u>Mimulus ringens</u> L.	X	X
465.	<u>Goodyera tessellata</u> Lodd.	X	
466.	<u>Habenaria psychodes</u> L. Spreng.	X	
467.	<u>Pyrola rotundifolia</u> L.		
468.	<u>Pyrola elliptica</u> Nutt.	X	
469.	<u>Pyrola virens</u> Schweig.	X	
470.	cf. <u>Hieracium canadense</u> Michx.		X
471.	<u>Fragaria</u> sp. L.		
472.	<u>Abies balsamea</u> (L.) Mill.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
473.	<u>Prunus pumila</u> L.	X	
474.	<u>Pinus strobus</u> L.	X	X
475.	<u>Alnus crispa</u> (Ait.) Pursh.	X	X
476.	<u>Picea glauca</u> (Moench.) Voss	X	X
477.	<u>Cornus canadensis</u> L.	X	X
478.	<u>Asarum canadense</u> L.	X	X
479.	<u>Aster macrophyllus</u> L.	X	X
480.	<u>Acer rubrum</u> L.		X
481.	<u>Hepatica americana</u> (D. C.) Ker	X	
482.	<u>Trillium cernuum</u> L.	X	X
483.	<u>Trientalis borealis</u> Raf.	X	X
484.	<u>Chelone glabra</u> L.	X	
485.	<u>Sanicula</u> cf. <u>gregaria</u> Bickn.		
486.	<u>Hypericum virginicum</u> L.	X	X
487.	<u>Calla palustris</u> L.	X	
488.	<u>Gentiana rubricaulis</u> Schwein	X	X
489.	<u>Bidens cernua</u> L.	X	X
490.	<u>Hieracium</u> sp. L.	X	X
491.	<u>Scutellaria lateriflora</u> L.	X	
492.	<u>Athyrium Filix-femina</u> (L.) Roth	X	X
493.	<u>Sambucus canadensis</u> L.	X	X
494.	<u>Pteridium aquilinum</u> (L.) Kuhn	X	X
495.	<u>Vaccinium angustifolium</u> Ait.	X	X
496.	<u>Clintonia borealis</u> (Ait.) Raf.	X	X

Collection Number	Name	Disposal	
		U of M	UMD
497.	<u>Pinus resinosa</u> (Ait.)	X	X
498.	<u>Thuja occidentalis</u> L.	X	X
499.	<u>Cornus rugosa</u> Lam.	X	X
500.	<u>Menyanthes trifoliata</u> L.	X	X
501.	<u>Habenaria dilatata</u> (Pursh) Hook.	X	
502.	<u>Lycopodium lucidulum</u> Michx.	X	X
503.	<u>Trientalis borealis</u> Raf.	X	
504.	<u>Trifolium pratense</u> L.	X	X
505.	<u>Trifolium repens</u> L.	X	X
506.	<u>Fraxinus nigra</u> Marsh	X	X
507.	<u>Osmunda Claytoniana</u> L.	X	
508.	<u>Phragmites communis</u> Trin		X
509.	<u>Alnus rugosa</u> (Du Rol) Spreng.	X	X
510.	<u>Ledum groenlandicum</u> Oeder	X	
511.	<u>Populus grandidentata</u> Michx.	X	X
512.	<u>Verbascum Thapsus</u> L.	X	
513.	<u>Tragopogon major</u> Jacq.	X	X
514.	<u>Taraxacum officinale</u> Weber	X	X
515.	<u>Maianthemum canadense</u> Desf.	X	X
516.	<u>Streptopus roseus</u> Michx.	X	
517.	<u>Symphoricarpos albus</u> (L.) Blake	X	X
518.	<u>Lonicera dioica</u> L.	X	
519.	<u>Fragaria virginiana</u> Duchesne		
520.	<u>Smilacina trifolia</u> (L.) Desf.		

Collection Number	Name	Disposal	
		U of M	UMD
521.	<u>Cypripedium acaule</u> Ait.		
522.	<u>Cynoglossum boreale</u> Fern.		
523.	<u>Thelypteris Phegopteris</u> (L.) Slosson	X	X
524.	<u>Pogonia ophioglossoides</u> (L.) Ker.	X	
525.	<u>Tilia americana</u> L.	X	X
526.	<u>Prenanthes alba</u> L.	X	X
527.	<u>Chenopodium album</u> L.	X	
528.	<u>Impatiens capensis</u> Meerb.	X	
529.	<u>Cardamine pensylvanica</u> Muhl.	X	X
530.	<u>Streptopus roseus</u> Michx.	X	
531.	<u>Maianthemum canadense</u> Desf.	X	
532.	<u>Fragaria virginiana</u> Duchesne	X	
533.	<u>Gratiola neglecta</u> Torr.	X	
534.	<u>Lactuca biennis</u> (Moench) Fern.	X	
535.	<u>Bidens cernua</u> L.	X	
536.	<u>Bidens vulgata</u> Greene	X	
537.	<u>Polygonum cf. punctatum</u> Ell.	X	X
538.	<u>Epilobium glandulosum</u> Lehm.		
539.	<u>Onoclea sensibilis</u> L.	X	
540.	<u>Polygonum sagittatum</u> L.		
541.	<u>Impatiens capensis</u> Meerb.	X	
542.	<u>Solidago Randii</u> (Porter) Britt.	X	X
543.	<u>Solidago graminifolia</u> (L.) Salisb.	X	
544.	<u>Solidago juncea</u> Ait.	X	

Collection Number	Name	Disposal	
		U of M	UMD
545.	<u>Solidago canadensis</u> L.		X
546.	<u>Beckmannia syzigachne</u> (Steud.) Fern.		X
547.	<u>Bromus purgans</u> L.		
548.	<u>Gaultheria procumbens</u> L.		X
549.	<u>Solidago hispida</u> Muhl.		X
550.	<u>Onoclea sensibilis</u> L.		X
551.	<u>Prunus americana</u> Marsh.		X
552. (263b)	<u>Rosa arkansana</u> Porter		X

APPENDIX II

CORRECTIONS AND ANNOTATIONS FOR SPECIMENS
 AT THE OLGA LAKELA HERBARIUM
 (annotation by Dr. Paul Monson)

Collection Number	Identified as:	Correction or Annotation
2	<u>Petasites palmatus</u>	probable
4	<u>Prunus</u> Sp.	<u>Prunus nigra</u>
10	<u>Carex</u> Sp.	too immature for further identification
20	<u>Brassica rapa</u>	<u>Barbarea vulgaris</u>
21	<u>Viola pubescens</u>	probable
24	<u>Viola renifolia</u>	<u>V. mackloskeyi</u> var. <u>pallens</u>
58	<u>Rosa acicularis</u>	OK.
73	<u>Carex brunnescens</u>	<u>Carex canescens</u>
81	<u>Antennaria neglecta</u>	<u>Antennaria neodioica</u> Greene = <u>A. neglecta</u> Greene var. <u>attenuata</u> (Fern.) Cron.
103	<u>Actaea pachypoda</u>	<u>Actaea rubra</u>
109	<u>Dryopteris spinulosa</u>	probably, undergoing revision
113	<u>Carex lepalea</u>	misspelling, <u>Carex leptalea</u>
122	<u>Castilleja coccinea</u>	Ok
124	<u>Arenaria macrophylla</u>	Ok
125	<u>Hypericum perforatum</u>	Ok
133	<u>Ribes hirtellum</u>	probably <u>Ribes glandulosum</u>
136	<u>Gymnocarpium dryopteris</u>	probably, undergoing revision

Collection Number	Identified as:	Correction or Annotation
140	<u>Lonicera oblongifolia</u>	<u>Lonicera villosa</u>
142	<u>Thelypteris palustris</u>	probably, undergoing revision
144	<u>Rumex Acetosella</u>	<u>Rumex Acetosa</u>
146	<u>Dryopteris cristata</u>	probably, undergoing revision
166	<u>Viola incognita</u>	probable
170	<u>Carex brunnescons</u>	<u>Carex canescens</u>
172	<u>Athyrium Filix-femina</u>	probably, undergoing revision
241	<u>Viola renifolia</u>	<u>V. mackloskeyi</u> var. <u>pallens</u>
254	<u>Dryopteris spinulosa</u>	probably, undergoing revision
259	<u>Carex haydenii</u>	probably <u>Carex stricta</u>
263	<u>Rosa arkansana</u>	Ok
275	<u>Galium trifidum</u>	<u>Galium labradoricum</u>
281	<u>Juncus bufonius</u>	<u>Juncus nodosus</u>
285	<u>Carex leptalia</u>	misspelled, <u>Carex leptalea</u>
312	<u>Scirpus atrocinctus</u>	probable
317	<u>Salix bebbiana</u>	<u>Salix discolor</u>
325	<u>Calamagrostis inexpansa</u>	<u>Calamagrostis canadensis</u>
326	<u>Viola pallens</u>	probable
329	<u>Bromus ciliatus</u>	<u>Schizachne purpurescens</u> , sent to Pohl for verification
335	<u>Epilobium glandulosum</u>	Ok
355	<u>Cardamine parviflora</u>	Ok
359	<u>Carex haydenii</u>	probably <u>Carex stricta</u>
364	<u>Hieracium</u> sp.	<u>Senecio pauperculus</u>

Collection Number	Identified as:	Correction or Annotation
373	<u>Geocaulon lividum</u>	Quite reasonable
389	<u>Ilex verticillata</u>	<u>Rhamnus alnifolia</u>
394	<u>Thalictrum dasycarpum</u>	OK
414	<u>Comandra umbellata</u>	Quite reasonable
454	<u>Carex prasina</u>	<u>Carex arctata</u>
475	<u>Alnus crispa</u>	<u>Alnus rugosa</u>
480	<u>Acer rubrum</u>	<u>Acer saccharinum</u>
493	<u>Sambucus pubens</u>	<u>Fraxinus pennsylvanica</u>
505	<u>Trifolium repens</u>	<u>Trifolium hybridum</u>
514	<u>Taraxacum officinale</u>	probably, no mature fruit
529	<u>Cardamine pensylvanica</u>	probable, no flowers probable
536	<u>Bidens vulgata</u>	probable
537	<u>Polygonum punctatum</u>	<u>Polygonum hydropiper</u>
542	<u>Solidago Randii</u>	<u>Solidago nemoralis</u>
544	<u>Solidago juncea</u>	<u>Solidago uliginosa</u>
547	<u>Bromus purgans</u>	<u>Schizachne purpurescens</u> , sent to Pohl for verification
551	<u>Prunus americana</u>	probably <u>Prunus nigra</u>

APPENDIX III

CORRECTIONS AND ANNOTATIONS FOR SPECIMENS
 AT THE UNIVERSITY OF MINNESOTA
 HERBARIUM, ST. PAUL
 (Annotations by Dr. Gerald Ownbey and Gerald Wheeler)

Collection Number	Identified as:	Correction or Annotation
7	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
20	<u>Brassica rapa</u> v. <u>sylvestris</u>	<u>Barbarea vulgaris</u>
24	<u>Viola</u> cf. <u>renifolia</u>	<u>Viola incognita</u>
27	<u>Amelanchier</u> sp.	<u>Amelanchier huronensis</u>
28	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
29	<u>Amelanchier</u> sp.	<u>Amelanchier intermedia</u>
30	<u>Amelanchier</u> sp.	<u>Amelanchier interior</u>
32	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
35	<u>Amelanchier</u> sp.	<u>Amelanchier interior</u>
36	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
37	<u>Amelanchier</u> sp.	<u>Amelanchier interior</u>
38	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
39	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
40	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
41	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
50	<u>Carex intumescens</u>	one cannot be sure
73	<u>Carex brunnescens</u>	<u>Carex canescens</u>
74	<u>Carex brunnescens</u>	<u>Carex canescens</u>

Collection Number	Identified as:	Correction or Annotation
312	<u>Scirpus atrocinctus</u>	<u>Scirpus cyperinus</u>
315	<u>Calamagrostic inexpansa</u>	<u>Calamagrostic canadensis</u>
316	<u>Carex tribuloides</u>	<u>Carex adusta</u>
319	<u>Glyceria striata</u>	<u>Glyceria grandis</u>
336	<u>Goodyera tesselata</u>	<u>Goodyera repens</u>
338a	<u>Amelanchier</u> sp.	<u>Amelanchier humilis</u>
338b	<u>Amelanchier</u> sp.	<u>Amelanchier intermedia</u>
340	<u>Amelanchier</u> sp.	<u>Amelanchier intermedia</u>
350	<u>Ribes triste</u>	<u>Ribes hudsonianus</u>
363	<u>Ribes</u> sp.	<u>Ribes glandulosum</u>
364	<u>Hieracium</u> sp.	<u>Senecio aureus</u>
390	<u>Carex paupercula</u>	<u>Carex paupercula v. pallens</u>
394	<u>Thalictrum dasycarpum</u>	<u>Thalictrum confine</u> or <u>Thalictrum venulosum</u>
399	<u>Carex</u> sp.	<u>Carex disperma</u>
403	<u>Carex</u> sp.	<u>Carex trisperma</u>
405	unknown	<u>Calamagrostis canadensis</u>
407	<u>Silene Cucubalus</u>	<u>Silene Cserei</u>
413	<u>Lycopodium selago</u>	<u>Lycopodium selago v. patens</u>
437	<u>Campanula uliginosa</u>	<u>Campanula aparinoides</u>
441	<u>Hypericum perforatum</u>	<u>Hypericum virginicum v. fraseri</u>
444	<u>Carex intumescens</u>	<u>Carex intumescens v. fernaldi</u>
448	unknown	<u>Schizachne purpurascens</u>
452	<u>Carex rostrata</u>	<u>Carex lacustris</u>

Collection Number	Identified as:	Correction or Annotation
103	<u>Actaea pachypoda</u>	<u>Actaea rubra</u>
112	<u>Carex paupercula</u>	<u>Carex paupercula v. pallens</u>
121	<u>Oenothera biennis</u>	<u>Oenothera parviflora</u>
147	<u>Ilex verticillata</u>	<u>Aronia melanocarpa</u> (Michx) Ell.
156	<u>Erigeron canadensis</u>	<u>Erigeron strigosus</u>
161	<u>Carex paupercula</u>	<u>Carex paupercula v. pallens</u>
163	<u>Viola cf. selkirkii</u>	<u>Viola pallens</u>
166	<u>Viola cf. incognita</u>	<u>Viola pallens</u>
167	<u>Viola novae-angliae</u>	<u>Viola incognita</u>
170	<u>Carex brunnescens</u>	<u>Carex canescens</u>
178	cf. <u>Lactuca</u>	<u>Lactuca canadensis</u>
197	cf. <u>Lactuca pulchella</u>	<u>Lactuca canadensis</u>
201	<u>Botrychium matricariaefolium</u>	possibly
231	<u>Viola cf. pallens</u>	<u>Viola renifolia</u>
233	<u>Viola selkirkii</u>	<u>Viola incognita</u>
234	<u>Poa pratensis</u>	<u>Poa palustris</u>
257	<u>Galium trifidum</u>	<u>Galium tinctorium</u>
259	<u>Carex haydenii</u>	<u>Carex stricta</u>
263b. (552)	<u>Rosa arkansana</u>	<u>Rosa acicularis</u>
274	<u>Campanula uliginosa</u>	<u>Campanula aparinoides</u>
275	<u>Galium trifidum</u>	<u>Galium tinctorium</u>
280	<u>Carex lupulina</u>	<u>Carex hystricina</u>
305	<u>Campanula uliginosa</u>	<u>Campanula aparinoides</u>

Collection Number	Identified as:	Correction or Annotation
454	<u>Carex cf. prasina</u>	<u>Carex aretata</u>
455	unknown	<u>Hieracium scabrum</u>
493	<u>Sambucus canadensis</u>	<u>Fraxinus nigra</u>
501	<u>Habenaria dilatata</u>	probably correct
505	<u>Trifolium repens</u>	<u>Trifolium hybridum</u>
536	<u>Bidens vulgata</u>	<u>Bidens frondosa</u>
537	<u>Polygonum punctatum</u>	<u>Polygonum hydropiper</u>
542	<u>Solidago Randii</u>	<u>Solidago nemoralis</u>
547	<u>Bromus purgans</u>	<u>Schizachne purpurascens</u>
551	<u>Prunus americana</u>	<u>Prunus nigra</u>

APPENDIX IV. MOSS COLLECTIONS OF THE
REGIONAL COPPER-NICKEL STUDY

PLOT #1

SPEC. #	DATE COLLECTED	SPECIMEN
101	6/26/76	✓ <i>Pylaisiella polyantha</i> (Hedw.) Grout
102	"	✓ <i>Pohlia nutans</i> (Hedw.) Lindb.
103	"	✓ <i>Dicranum viride</i> (Sull. & Lesq.) Lindb.
104	"	✓ <i>Hypnum pallescens</i> (Hedw.) P. Beauv.
105	"	✓ <i>Pleurozium schreberi</i> (Brid.) Mitt.
350	8/5/76	✓ <i>Dicranum flagellare</i> Hedw.
351	"	✓ <i>Dicranum polysetum</i> Sw.
353	"	✓ <i>Polytrichum juniperinum</i> Hedw.
354	"	✓ <i>Dicranum drummondii</i> C.M.
356	"	✓ <i>Callicladium haldanianum</i> (Grev.) Crum

PLOT #2

SPEC. #	DATE COLLECTED	SPECIMEN
163	6/27/76	✓ <i>Pylaisiella polyantha</i> (Hedw.) Grout
164	"	✓ <i>Pleurozium schreberi</i> (Brid.) Mitt.
165	"	✓ <i>Callicladium haldanianum</i> (Grev.) Crum
166	"	✓ <i>Ptilium crista-castrensis</i> (Hedw.) De Not
167	"	✓ <i>Dicranella heteromalla</i> (Hedw.) Schimp.
168	"	✓ <i>Polytrichum commune</i> Hedw.
546	8/6/76	✓ <i>Hylocomnium splendens</i> (Hedw.) BSG
547	"	✓ <i>Dicranum flagellare</i> Hedw.
549	"	✓ <i>Dicranum polysetum</i> Sw.
550	"	✓ <i>Thelia hirtella</i> (Hedw.) Sull.
551	"	✓ <i>Pohlia nutans</i> (Hedw.) Lindb.
552	"	✓ <i>Brachythecium salebrosum</i> (Web. & Mohr.) BSG
553	"	✓ <i>Polytrichum juniperinum</i> Hedw. var. <i>affine</i> (Funck) Brid.
554	"	✓ <i>Orthotrichum speciosum</i> Nees ex Sturm var. <i>elegans</i> (Schwaegr. ex Hook & Grev.)
555	"	✓ <i>Orthotrichum obtusifolium</i> Brid.

PLOT #3

SPEC. #	DATE COLLECTED	SPECIMEN
108	6/26/76	✓ <i>Callicladium haldanianum</i> (Grev.) Crum
109	"	✓ <i>Ptilium crista-castrensis</i> (Hedw.) De Not
110	"	✓ <i>Grimmia alpicola</i> Hedw.
111	"	✓ <i>Pleurozium schreberi</i> (Brid.) Mitt.
112	"	✓ <i>Pylaisiella polyantha</i> (Hedw.) Grout
113	"	✓ <i>Dicranum polysetum</i> Sw.
114	"	✓ <i>Tetraphis pellucida</i> Hedw.
117	"	✓ <i>Polytrichum juniperinum</i> Hedw.
360	8/5/76	✓ <i>Dicranum flagellare</i> Hedw.
362	"	✓ <i>Dicranum sabuletorum</i> Re. & Card.
364	"	✓ <i>Dicranum drummondii</i> C.M.
367	"	✓ <i>Ceratodon purpureus</i> (Hedw.) Brid.
368	"	✓** <i>Trematodon ambiguus</i> (Hedw.) Hornsch.
369	"	✓ <i>Orthotrichum speciosum</i> Nees ex Sturm var. <i>elegans</i> (Schwaegr. ex Hook & Grev.) Warnst.
370	"	✓ <i>Drepanocladus uncinatus</i> (Hedw.) Warnst.

SPEC. #	DATE COLLECTED	SPECIMEN
169	6/27/76	✓ <u>Mnium cuspidatum</u> Hedw. ✓
170	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not ✓
171	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt. ✓
172	"	✓ <u>Dicranum polysetum</u> Sw. ✓
173	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum ✓
176	"	✓ <u>Dicranella</u> sp. Schimp. (sterile) ✓
177	"	✓ <u>Platygyrium repens</u> (Brid.) BSG ✓
178	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout ✓
556	8/6/76	✓ <u>Dicranum drummondii</u> C.M.
557	"	✓ <u>Dicranum flagellare</u> Hedw.
559	"	✓ <u>Hypnum pratense</u> Koch ex Spruce ✓
560	"	✓ <u>Dicranum fusescens</u> Turn.
562	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth. ✓
563	"	✓ <u>Brachythecium curtum</u> (Lindb.) Minpr. ✓

SPEC. #	DATE COLLECTED	SPECIMEN
229	6/28/76	✓ <u>Tetraphis pellucida</u> Hedw.
230	"	✓ <u>Dicranum scoparium</u> Hedw.
231	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not
232	"	✓ <u>Hylocomnium splendens</u> (Hedw.) BSG
233	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.
234	"	✓ <u>Dicranum montanum</u> Hedw.
235	"	✓ <u>Dicranum drummondii</u> C.M.
372	8/5/76	✓ <u>Campyllum stellatum</u> (Hedw.) C. Jens
373	"	* <u>Calliergon richardsonii</u> (Mitt.) Kindb. ex Warn
374	"	✓ <u>Campyllum polygamum</u> (BSG) C. Jens
375	"	✓ <u>Dicranum polysetum</u> Sw.
377	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gartn., Meyer, & Scherb.
378	"	✓ <u>Polytrichum juniperinum</u> Hedw. var. <u>affine</u> (Funck) Brid.
379	"	✓ <u>Plagiothecium laetum</u> BSG
380	"	✓ <u>Campyllum chrysophyllum</u> (Brid.) J. Lampe
382	"	✓ <u>Polytrichum commune</u> Hedw.
383	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
384	"	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.
385	"	✓ <u>Sphagnum centrale</u> C. Jens
386	"	✓ <u>Sphagnum magellanicum</u> Brid.
388	"	✓ <u>Sphagnum wulfianum</u> Girg.
697	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.
698	"	✓ <u>Sphagnum recurvum</u> P. Beauv.
699	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank

*rare

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #6
180	6/27/76	✓ <u>Sphagnum fuscum</u> (Schimp.) Klinggr.	
181	"	✓ <u>Sphagnum magellanicum</u> Brid.	
182	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
184	"	✓ <u>Dicranum polysetum</u> Sw.	
185	"	✓ <u>Drepanocladus fluitans</u> (Hedw.) Warnst.	
186	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.	
187	"	✓ <u>Tetraphis pellucida</u> Hedw.	
188	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.	
190	"	✓ <u>Polytrichum commune</u> Hedw.	
191	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
192	"	✓ <u>Polytrichum formosum</u> Hedw.	
193	"	✓ <u>Sphagnum recurvum</u> P. Beauv.	
564	8/6/76	✓ <u>Dicranum drummondii</u> C.M.	
565	"	✓ <u>Dicranum scoparium</u> Hedw.	
567	"	✓ <u>Tomenthypnum nitens</u> (Hedw.) Loeske	
570	"	✓ <u>Dicranum flagellare</u> Hedw.	
571	"	✓ <u>Leptodictyum riparium</u> (Hedw.) Warnst.	
573	"	✓ <u>Drepanocladus fluitans</u> (Hedw.) Warnst.	
695	6/27/76	✓ <u>Sphagnum recurvum</u> P. Beauv.	

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #7
118	6/26/76	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.	
119	"	✓ <u>Oncophorus wahlenbergii</u> Brid.	
120	"	✓ <u>Mnium medium</u> BSG	
121	"	✓ <u>Mnium drummondii</u> Buch. & Schimp.	
122	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum	
124	"	✓ <u>Grimmia alpicola</u> Hedw.	
125	"	<u>Hedwigia ciliata</u> (Hedw.) P. Beauv.	
126	"	✓ <u>Mnium cuspidatum</u> Hedw.	
127	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.	
129	"	✓ <u>Dicranum polysetum</u> Sw.	
130	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
131	"	✓ <u>Tomenthypnum nitens</u> (Hedw.) Loeske	
132	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid.	
133	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout	
135	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske	
136	"	✓ <u>Amblystegium serpens</u> (Hedw.) BSG	
137	"	✓ <u>Polytrichum commune</u> Hedw.	
391	8/5/76	✓ <u>Orthotrichum speciosum</u> Nees ex Sturm var. <u>elegans</u> (Schwaegr. ex Hook & Grev.) Warnst.	
392	"	✓ <u>Thuidium recognitum</u> (Hedw.) Lindb.	
396	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.	
397	"	✓ <u>Orthotrichum obtusifolium</u> Brid.	
398	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.	
399	"	✓ <u>Tetraphis pellucida</u> Hedw.	
400	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG	
401	"	✓ <u>Atrichum angustatum</u> (Brid.) BSG	
402	"	✓ <u>Brachythecium oxycladon</u> (Brid.) Jaeg. & Sauer	
403	"	✓ <u>Brachythecium reflexum</u> (Starke ex Web & Mohr) BSG	
404	"	✓ <u>Dicranum scoparium</u> Hedw.	
405	"	✓ <u>Campylium hispidulum</u> (Brid.) Mitt.	
700	"	✓ <u>Polytrichum juniperinum</u> Hedw.	

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #8
194	6/27/76	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.	
195	"	✓ <u>Platygyrium repens</u> (Brid.) BSG	
196	"	✓ <u>Pylaisiella polyantha</u> (Hedw) Grout ✓	
197	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr) BSG ✓	
198	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum ✓	
200	"	✓ <u>Dicranum viride</u> (Sull. & Lesq.) Lindb. ✓	
201	"	✓ <u>Brachythecium reflexum</u> (Starke ex Web. & Mohr) BSG	
206	"	✓ <u>Dicranum drummondii</u> C.M. ✓	
207	"	✓ <u>Mnium drummondii</u> Bruch & Schimp.	
208	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
574	8/6/76	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
575	"	✓ <u>Dicranum flagellare</u> Hedw.	
576	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske	
577	"	✓ <u>Mnium cuspidatum</u> Hedw.	
578	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.	
579	"	✓ <u>Mnium affine</u> Bland. ex Funck var. <u>rugicum</u> (Laur.) BSG	
580	"	✓ <u>Polytrichum ohioense</u> Ren & Card.	
581	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.	
582	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.	
583	"	✓ <u>Dicranum undulatum</u> Brid.	
585	"	✓ <u>Tetraphis pellucida</u> Hedw.	
587	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr.	
702	"	✓ <u>Sphagnum recurvum</u> P. Beauv. VAR. <u>RECURVUM</u>	
703	"	✓ <u>Rhytidiadelphus triquetrus</u> (Hedw.) Warnst.	
704	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG	

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #9
209	6/27/76	✓ <u>Mnium cuspidatum</u> Hedw. ✓	
210	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout ✓	
211	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum ✓	
212	"	✓ <u>Rhytidiadelphus triquetrus</u> (Hedw.) Warnst.	
286	8/4/76	✓ <u>Polytrichum juniperinum</u> Hedw. ✓	
287	"	✓ <u>Dicranum flagellare</u> Hedw. ✓	
288	"	✓ <u>Brachythecium oxycladon</u> (Brid.) Jaeg. & Sauerb.	
289	"	✓ <u>Dicranum polysetum</u> Sw. ✓	
290	"	✓ <u>Campylium stellatum</u> (Hedw.) C. Jens. var. <u>protenseum</u> (Brid.) Bryhn ex Grout	
292	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth. ✓	
293	"	✓ <u>Eurhynchium pulchellum</u> (Hedw.) Jenn. ✓	
295	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
300	"	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.	
303	"	✓ <u>Bryum caespiticium</u> Hedw.	
304	"	✓ <u>Orthotrichum obtusifolium</u> Brid. ✓	

PLOT #10

SPEC. #	DATE COLLECTED	SPECIMEN
138	6/26/76	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout
139	"	* <u>Mnium drummondii</u> Bruch. & Schimp.
140	"	✓ <u>Amblystegium serpens</u> (Hedw.) BSG
141	"	✓ <u>Grimmia alpicola</u> Hedw.
146	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
147	"	✓ <u>Mnium cuspidatum</u> Hedw.
406	8/5/76	✓ <u>Dicranum scoparium</u> Hedw.
408	"	✓ <u>Dicranum flagellare</u> Hedw.
409	"	✓ <u>Pleurozium schreberi</u> (Brid) Mitt.
410	"	✓ <u>Polytrichum juniperinum</u> Hedw.
411	"	✓ <u>Brachythecium velutinum</u> (Hedw.) BSG
412	"	✓ <u>Dicranum drummondii</u> C.M.
415	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG
416	"	✓ <u>Orthotrichum obtusifolium</u> Brid.
417	"	✓ <u>Atrichum undulatum</u> (Hedw.) P. Beauv.
418	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.
421	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.
423	"	✓ <u>Haplocladium microphyllum</u> (Hedw.) Broth.
424	"	✓ <u>Orthotrichum speciosum</u> Nees ex Sturm var. <u>elegans</u> (Schwaegr. ex Hook & Grev.) Warnst.
425	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske

*rare

PLOT # 11

SPEC. #	DATE COLLECTED	SPECIMEN
148	6/26/76	✓ <u>Orthotrichum speciosum</u> Nees ex Sturm var. <u>elegans</u> (Schwaegr. ex Hook & Grev.) Warnst.
149	"	✓ <u>Rhodobryum roseum</u> (Hedw.) Limpr.
150	"	✓ <u>Grimmia alpicola</u> Hedw.
151	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
152	"	✓ <u>Polytrichum piliferum</u> Hedw.
154	"	✓ <u>Mnium cuspidatum</u> Hedw.
155	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout
156	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid.
160	"	✓ <u>Dicranum polysetum</u> Sw.
161	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.
429	8/5/76	✓ <u>Haplocladium microphyllum</u> (Hedw.) Broth.
430	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.
431	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG
432	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG
433	"	✓ <u>Oncophorus wahlenbergii</u> Brid.
434	"	✓ <u>Brachythecium velutinum</u> (Hedw.) BSG
435	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske

588	8/6/76	<u>Brachythecium acuminatum</u> (Hedw.) Aust.
589	"	✓ <u>Haplocladium microphyllum</u> (Hedw.) Broth.
590	"	✓ <u>Mnium cuspidatum</u> Hedw. ✓
591	"	<u>Hypnum lindbergii</u> Mitt. ✓
592	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
593	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.
594	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gartn., Meyer, & Scherb.
596	"	✓ <u>Platygyrium repens</u> (Brid.) BSG ✓
598	"	✓ <u>Dicranum polysetum</u> Sw.
599	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.
600	"	✓ <u>Drepanocladus revolvens</u> (Sw.) Warnst.
601	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout
602	"	✓ <u>Grimmia alpicola</u> Hedw.
604	"	✓ <u>Polytrichum juniperinum</u> Hedw.
605	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG
607	"	✓ <u>Orthotrichum sordidum</u> Sull. & Lesq. ex Aust.
608	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr.
609	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.
612	"	✓ <u>Brachythecium reflexum</u> (Starke ex Web. & Mohr.) BSG
706	"	✓ <u>Hylocomnium splendens</u> (Hedw.) BSG
707	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.
708	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not
709	"	✓ <u>Sphagnum girgensohnii</u> Russ.

PLOT #13

SPEC. #	DATE COLLECTED	SPECIMEN
214	6/27/76	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not
215	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt. ✓
216	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG ✓
217	"	✓ <u>Mnium cuspidatum</u> Hedw. ✓
218	"	✓ <u>Dicranella heteromalla</u> (Hedw.) Schimp.
219	"	✓ <u>Dicranum polysetum</u> Sw.
220	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr.
222	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.
223	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout
225	"	✓ <u>Polytrichum juniperinum</u> Hedw.
226	"	✓ <u>Polytrichum commune</u> Hedw. ✓
227	"	✓ <u>Polytrichum juniperinum</u> Hedw. var <u>affine</u> (Funck) Brid.
228	"	* <u>Mnium drummondii</u> Buch. & Schimp
696	8/6/76	✓ <u>Grimmia alpicola</u> Hedw.
616	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.
617	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
619	"	✓ <u>Orthotrichum obtusifolium</u> Brid. ✓
620	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid. ✓
621	"	✓ <u>Brachythecium velutinum</u> (Hedw.) BSG
623	"	✓ <u>Dichelyma capillacium</u> (With.) Myr. ✓
624	"	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.
625	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.
626	"	✓ <u>Aulacomnium palustre</u> (hedw.) Schwaegr.
627	"	✓ <u>Hylocomnium splendens</u> (Hedw.) BSG
710	"	✓ <u>Sphagnum recurvum</u> P. Beauv. var. <u>amblyphyllum</u> (Russ) Warnst.

*rare

PLOT #14

SPEC. #	DATE COLLECTED	SPECIMEN
236	6/28/76	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.
237	"	✓ <u>Mnium punctatum</u> Hedw. var. <u>elatum</u> Schimp.
238	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
239	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.
240	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.
241	"	✓ <u>Dicranum polysetum</u> Sw.
242	"	✓ <u>Hylocomnium splendens</u> (Hedw.) BSG
243	"	✓ <u>Sphagnum centrale</u> C. Jens.
245	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr
246	"	✓ <u>Dicranum drummondii</u> C.M.
247	"	✓ <u>Polytrichum juniperinum</u> Hedw.
248	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank
251	"	✓ <u>Sphagnum subsecundum</u> Nees ex Sturm
436	8/5/76	✓ <u>Hypnum pratense</u> (Hedw.) BSG
437	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG
438	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.
439	"	✓ <u>Hypnum lindbergii</u> Mitt.
440	"	✓ <u>Dicranum undulatum</u> Brid. (D. <u>bergii</u> Blank)
441	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout
442	"	✓ <u>Mnium punctatum</u> Hedw.
443	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.
444	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid.
446	"	✓ <u>Rhynchostegium serrulatum</u> (Hedw.) Jaeg. & Sauerb.
447	"	✓ <u>Campyllum hispidulum</u> (Brid.) Mitt.

PLOT #15

SPEC. #	DATE COLLECTED	SPECIMEN
254	6/28/76	✓ <u>Sphagnum magellanicum</u> Brid.
255	"	✓ <u>Dicranum undulatum</u> Brid.
256	"	✓ <u>Polytrichum juniperinum</u> Hedw. var. <u>affine</u> (Funck) Brid.
450	8/5/76	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
451	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.
452	"	✓ <u>Campyllum stellatum</u> (Hedw.) C. Jens.
453	"	✓ <u>Hypnum lindbergii</u> Mitt.
454	"	✓ <u>Polytrichum strictum</u> Brid.
455	"	* <u>Tomenthypnum nitens</u> var. <u>falcifolium</u> (Ren. ex Nich.) Podp.
457	"	✓ <u>Sphagnum centrale</u> C. Jens.
458	"	✓ <u>Sphagnum recurvum</u> P. Beauv.
459	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank.

*rare

Specimen #	Date	Specimen
460	8/5/76	✓ <i>Brachythecium rutabulum</i> (Hedw.) BSG
461	"	✓ <i>Mnium pseudopunctatum</i> Bruch. & Schimp.
462	"	✓ <i>Bryum pseudotriquetrum</i> (Hedw.) Gatr., Meyer, & Sauerb.
463	"	✓ <i>Drepanocladus uncinatus</i> var. <i>plumulosus</i> (BSG) Warnst.
464	"	✓ <i>Pleurozium schreberi</i> (Brid.) Mitt.
465	"	✓ <i>Mnium punctatum</i> var. <i>elatum</i> Schimp.
466	"	✓ <i>Homomallium adnatum</i> (Hedw.) Broth.
467	"	✓ <i>Drepanocladus uncinatus</i> (Hedw.) Warnst.
468	"	✓ <i>Fissidens osmundoides</i> Hedw.
469	"	✓ <i>Leptodictyum trichopodium</i> (Schultz) Warnst.
470	"	✓* <i>Meesia triquetra</i> (L. ex Richt) Angstr.
471	"	✓ <i>Polytrichum formosum</i> Hedw. var. <i>aurantiacum</i> (Brid.) C.J. Martm.
472	"	✓ <i>Thuidium delicatulum</i> (Hedw.) BSG
473	"	✓ <i>Tomenthypnum nitens</i> (Hedw.) Loeske
474	"	✓ <i>Dicranum drummondii</i> C.M.
475	"	✓ <i>Bryum pseudotriquetrum</i> (Hedw.) Gatr., Meyer, & Sauerb.
476	"	✓ <i>Dicranum scoparium</i> Hedw.
477	"	✓ <i>Dicranum flagellare</i> Hedw.
478	"	✓ <i>Mnium cuspidatum</i> Hedw.
479	"	✓ <i>Aulacomnium palustre</i> (Hedw.) Schwaegr.
481	"	✓ <i>Climacium dendroides</i> (Hedw.) Web. & Mohr.
482	"	✓ <i>Calliergon cordifolium</i> (Hedw.) Kindb.
483	"	✓ <i>Drepanocladus aduncus</i> var. <i>kneiffi</i> (BSG) Monk
484	"	✓ <i>Sphagnum capillifolium</i> (Weiss) Schrank
485	"	✓ <i>Sphagnum centrale</i> C. Jens

PLOT # 17

SPEC. #	DATE COLLECTED	SPECIMEN
264	6/28/76	✓ <i>Hypnum pallescens</i> (Hedw.) P. Beauv.
265	"	✓ <i>Rhytidiadelphus triquetrus</i> (Hedw.) Warnst.
266	"	✓ <i>Fissidens osmundoides</i> Hedw.
267	"	✓ <i>Dicranum drummondii</i> C.M.
268	"	✓ <i>Bryum pseudotriquetrum</i> (Hedw.) Gatr., Meyer, & Sauerb.
269	"	✓ <i>Oncophorus wahlenbergii</i> Brid.
270	"	✓ <i>Drepanocladus uncinatus</i> (Hedw.) Warnst.
271	"	✓ <i>Leptodictyum riparium</i> (Hedw.) Warnst.
273	"	✓ <i>Thuidium delicatulum</i> (Hedw.) BSG
274	"	✓ <i>Sphagnum magellanicum</i> Brid.
275	"	✓ <i>Pleurozium schreberi</i> Brid.
486	8/5/76	✓ <i>Callicladium haldanianum</i> (Grev.) Crum
487	"	✓ <i>Dicranum viride</i> (Sull. & Lesq.) Lindb.
488	"	✓ <i>Dicranella heteromalla</i> (Hedw.) Schimp.
489	"	✓ <i>Campylium stellatum</i> (Hedw.) C. Jens.
490	"	✓ <i>Pohlia nutans</i> (Hedw.) Lindb.
491	"	✓ <i>Ceratodon purpureus</i> (Hedw.) Brid.
492	"	✓ <i>Polytrichum juniperinum</i> Hedw.
494	"	✓ <i>Dicranum flagellare</i> Hedw.
495	"	✓ <i>Calliergon cordifolium</i> (Hedw.) Kindb.
496	"	✓ <i>Tetraphis pellucida</i> Hedw.
498	"	✓ <i>Dicranum polysetum</i> Sw.
499	"	✓ <i>Drepanocladus exannulatus</i> (BSG) Warnst.
500	"	✓ <i>Hypnum lindbergii</i> Mitt.
505	"	* ✓ <i>Calliergon richardsonii</i> (Mitt.) Kindb. ex Warnst.
506	"	✓ <i>Aulacomnium palustre</i> (Hedw.) Schwaegr.
507	"	✓ <i>Mnium cinclidoides</i> Hedw.
510	"	✓ <i>Sphagnum capillifolium</i> (Weiss) Schrank.
512	"	✓ <i>Sphagnum centrale</i> C. Jens.
513	"	✓ <i>Sphagnum squarrosum</i> Crome
696	"	✓ <i>Sphagnum recurvum</i> P. Beauv.

*rare

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT # 16
460	8/5/76	✓ <u>Brachythecium rutabulum</u> (Hedw.) BSG	
461	"	✓ <u>Mnium pseudopunctatum</u> Bruch. & Schimp.	
462	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gatn., Meyer, & Sauerb.	
463	"	✓ <u>Drepanocladus uncinatus</u> var. <u>plumulosus</u> (BSG) Warnst.	
464	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
465	"	✓ <u>Mnium punctatum</u> var. <u>elatum</u> Schimp.	
466	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.	
467	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.	
468	"	✓ <u>Fissidens osmundoides</u> Hedw.	
469	"	✓ <u>Leptodictyum trichopodium</u> (Schultz) Warnst	
470	"	✓* <u>Meesia triquetra</u> (L. ex Richt) Angstr.	
471	"	✓ <u>Polytrichum formosum</u> Hedw. var. <u>aurantiacum</u> (Brid.) C.J. Martm.	
472	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG	
473	"	✓ <u>Tomenthyppnum nitens</u> (Hedw.) Loeske	
474	"	✓ <u>Dicranum drummondii</u> C.M.	
475	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gatn., Meyer & Sauerb.	
476	"	✓ <u>Dicranum scoparium</u> Hedw.	
477	"	✓ <u>Dicranum flagellare</u> Hedw.	
478	"	✓ <u>Mnium cuspidatum</u> Hedw.	
479	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.	
481	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr.	
482	"	✓ <u>Calliergon cordifolium</u> (Hedw.) Kindb.	
483	"	✓ <u>Drepanocladus aduncus</u> var. <u>kneiffi</u> (BSG) Monk	
484	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank	
485	"	✓ <u>Sphagnum centrale</u> C. Jens	

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT # 17
264	6/28/76	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.	
265	"	✓ <u>Rhytidiadelphus triquetrus</u> (Hedw.) Warnst.	
266	"	✓ <u>Fissidens osmundoides</u> Hedw.	
267	"	✓ <u>Dicranum drummondii</u> C.M.	
268	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gatn, Meyer, & Sauerb.	
269	"	✓ <u>Oncophorus wahlenbergii</u> Brid.	
270	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst	
271	"	✓ <u>Leptodictyum riparium</u> (Hedw.) Warnst.	
273	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG	
274	"	✓ <u>Sphagnum magellanicum</u> Brid.	
275	"	✓ <u>Pleurozium schreberi</u> Brid.	
486	8/5/76	✓ <u>Callicladium haldanianum</u> (Grev.) Crum	
487	"	✓ <u>Dicranum viride</u> (Sull. & Lesq.) Lindb.	
488	"	✓ <u>Dicranella heteromalla</u> (Hedw.) Schimp.	
489	"	✓ <u>Campylium stellatum</u> (Hedw.) C. Jens.	
490	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.	
491	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid.	
492	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
494	"	✓ <u>Dicranum flagellare</u> Hedw.	
495	"	✓ <u>Calliergon cordifolium</u> (Hedw.) Kindb.	
496	"	✓ <u>Tetraxis pellucida</u> Hedw.	
498	"	✓ <u>Dicranum polysetum</u> Sw.	
499	"	✓ <u>Drepanocladus exannulatus</u> (BSG) Warnst.	
500	"	✓ <u>Hypnum lindbergii</u> Mitt.	
505	"	* ✓ <u>Calliergon richardsonii</u> (Mitt.) Kindb. ex Warnst.	
506	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.	
507	"	✓ <u>Mnium cinclidoides</u> Hedw.	
510	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank.	
512	"	✓ <u>Sphagnum centrale</u> C. Jens.	
513	"	✓ <u>Sphagnum squarrosum</u> Crome	
696	"	✓ <u>Sphagnum recurvum</u> P. Beauv.	

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SPEC. #

DATE COLLECTED

SPECIMEN

PLOT #18

SPEC. #	DATE COLLECTED	SPECIMEN
630	8/6/76	✓ <u>Callicladium haldanianum</u> (Grev.) Crum ✓
631	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG ✓
632	"	✓ <u>Hommaliā trichomanoides</u> (Hedw.) BSG
633	"	✓ <u>Dicranum viride</u> (Sull. & Lesq.) Lindb.
634	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr. ✓
635	"	✓ <u>Dicranum flagellare</u> Hedw.
636	"	✓ <u>Dicranum scoparium</u> Hedw.
637	"	✓ <u>Drepanocladus fluitans</u> (Hedw.) Warnst.
638	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid. ✓
639	"	✓ <u>Mnium affine</u> Bland ex Funck var. <u>rugicum</u> (Laur.) BSG
640	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.
641	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske
642	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum
643	"	✓ <u>Atrichum undulatum</u> (Hedw.) B. Beauv.
645	"	✓ <u>Polytrichum juniperinum</u> Hedw.
646	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb. ✓
647	"	✓ <u>Polytrichum formosum</u> Hedw.
648	"	✓ <u>Mnium cuspidatum</u> Hedw.
649	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout ✓
650	"	✓ <u>Brachythecium velutinum</u> (Hedw.) BSG
651	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv. ✓
652	"	✓ <u>Drepanocladus aduncus</u> var. <u>kneiffi</u> (BSG) Monk
653	"	✓ <u>Orthotrichum speciosum</u> Nees ex Sturm var. <u>elegans</u> (Schwaegr. ex Hook & Grev.) Warnst.
654	"	✓ <u>Drepanocladus uncinatus</u> Hedw. var. <u>plumulosus</u>
656	"	✓ <u>Grimmia alpicola</u> Hedw.
658	"	✓ <u>Orthotrichum obtusifolium</u> Brid.
659	"	✓ <u>Atrichum angustatum</u> (Brid.) BSG ✓
660	"	✓ <u>Dicranella heteromalla</u> (Hedw.) Schimp.
661	"	✓ <u>Sphagnum centrale</u> C. Jens.
662	"	✓ <u>Sphagnum girgensohnii</u> Russ.
717	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt. ✓
718	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG
719	"	✓ <u>Orthotrichum anomalum</u> (Hedw.)
720	"	✓ <u>Rhytidiadelphus triquetrus</u> (Hedw.) Warnst.
721	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.
722	"	✓ <u>Climacium dendroides</u> (Hedw.) Web. & Mohr.
723	"	✓ <u>Sphagnum subsecundum</u> Nees ex Sturm
725	"	✓ <u>Sphagnum recurvum</u> P. Beauv.

PLOT #19

SPEC. #

DATE COLLECTED

SPECIMEN

SPEC. #	DATE COLLECTED	SPECIMEN
516	8/5/76	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout ✓
517	"	✓ <u>Ditrichum pusellum</u> (Hedw.) Hampe ✓
518	"	✓ <u>Mnium cuspidatum</u> Hedw. ✓
519	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG ✓
520	"	✓ <u>Bryum caespiticium</u> Hedw. ✓
521	"	✓ <u>Dicranella heteromalla</u> (Hedw.) Schimp. ✓
522	"	✓ <u>Polytrichum juniperinum</u> Hedw.
523	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid. ✓
524	"	✓ <u>Orthotrichum speciosum</u> Nees ex Sturm var. <u>elegans</u> (Schwaegr. ex Hook & Grev.) Warnst.
526	"	✓ <u>Callicladium haldanianum</u> (Grev.) Crum ✓

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #20
278	6/28/76	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.	
279	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
280	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.	
281	"	✓ <u>Mnium cuspidatum</u> Hedw.	
282	"	✓ <u>Paraleucobryum longifolium</u> (Hedw.) Loeske	
283	"	✓ <u>Grimmia alpicola</u> Hedw.	
284	"	✓ <u>Ceratodon purpureus</u> (Hedw.) Brid.	
285	"	✓ <u>Dicranum polysetum</u> Sw.	
527	8/5/76	✓ <u>Dicranum scoparium</u> Hedw.	
528	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
529	"	✓ <u>Atrichum angustatum</u> (Brid.) BSG	
530	"	✓ <u>Polytrichum piliferum</u> Hedw.	
531	"	* <u>Grimmia hermanni</u> Crum	
532	"	✓ <u>Platygyrium repens</u> (Brid.) BSG	
533	"	✓ <u>Mnium drummondii</u> Buch. & Schimp.	
534	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG	
536	"	✓ <u>Pylaisiella polyantha</u> (Hedw.) Grout	
538	"	✓ <u>Ditrichum pusellum</u> (Hedw.) Hampe	
540	"	✓ <u>Bryum caespiticium</u> Hedw.	
541	"	✓ <u>Mnium marginatum</u> (With.) Brid ex P. Beauv.	
543	"	✓ <u>Dicranella heteromalla</u> (Hedw.) Schimp.	
544	"	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.	
545	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.	

* first record for Minnesota

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #21
664	8/6/76	✓ <u>Ditrichum pusillum</u> (Hedw.) Hampe	
665	"	✓ <u>Brachythecium populeum</u> (Hedw.) BSG	
666	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
667	"	✓ <u>Polytrichum piliferum</u> Hedw.	
668	"	<u>Hedwigia ciliata</u> (Hedw.) P. Beauv.	
669	"	✓ <u>Dicranum scoparium</u> Hedw.	
670	"	✓ <u>Platygyrium repens</u> (Brid.) BSG	
671	"	✓ <u>Thuidium recognitum</u> (Hedw.) Lindb.	
672	"	✓ <u>Homomallium adnatum</u> (Hedw.) Broth.	
673	"	✓ <u>Grimmia alpicola</u> Hedw.	
674	"	✓ <u>Brachythecium velutinum</u> (Hedw.) BSG	
675	"	✓ <u>Bryum caespiticium</u> Hedw.	
676	"	* <u>Mnium drummondii</u> Buch & Schimp.	
677	"	✓ <u>Brachythecium salebrosum</u> (Web. & Mohr.) BSG.	
680	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	

*rare

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #22
681	8/6/76	✓ <u>Campyllum radicale</u> (P. Beauv.) Grout ✓	
682	"	✓ <u>Dicranum flagellare</u> Hedw. ✓	
683	"	✓ <u>Fissidens osmundoides</u> Hedw. ✓	
684	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gartn., Meyer, and Scherb.	
685	"	✓ <u>Platygyrium repens</u> (Brid.) BSG	
686	"	✓ <u>Climaicum dendroides</u> (Hedw.) Web. & Mohr.	
687	"	✓ <u>Calliergon cordifolium</u> (Hedw.) Kindb.	
688	"	✓ <u>Thuidium recognitum</u> (Hedw.) Lindb.	
689	"	✓ <u>Plagiothecium laetum</u> BSG	
690	"	✓ <u>Drepanocladus aduncus</u> var. <u>polycarpus</u> fo. <u>gracilescens</u> (BSG) Monk ✓	
691	"	✓ <u>Hypnum pratense</u> Koch ex Spruce ✓	
692	"	✓ <u>Sphagnum centrale</u> C. Jens. ✓	
693	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank	
694	"	✓ <u>Polytrichum commune</u> Hedw. ✓	

SPEC. #	DATE COLLECTED	SPECIMEN	PLOT #28
305	8/4/76	✓ <u>Callicladium haldanianum</u> (Grev.) Crum	
306	"	✓ <u>Rhytidiadelphus triquetrus</u> (Hedw.) Warnst.	
307	"	✓ <u>Plagiothecium laetum</u> BSG	
308	"	✓ <u>Mnium spinulosum</u> BSG	
309	"	✓ <u>Dicranum undulatum</u> Brid. (D. bergii) Bland	
310	"	✓ <u>Tomenthypnum nitens</u> (Hedw.) Loeske	
311	"	✓ <u>Dicranum flagellare</u> Hedw.	
312	"	✓ <u>Ptilium crista-castrensis</u> (Hedw.) De Not.	
314	"	✓ <u>Mnium punctatum</u> Hedw. var. <u>elatum</u> Schimp.	
316	"	✓ <u>Polytrichum juniperinum</u> Hedw.	
317	"	✓ <u>Mnium pseudopunctatum</u> Bruch. & Schimp.	
318	"	✓ <u>Dicranum drummondii</u> C.M.	
319	"	✓ <u>Hylocomnium splendens</u> (Hedw.) BSG	
320	"	✓ <u>Dicranum montanum</u> Hedw.	
321	"	✓ <u>Hypnum pallescens</u> (Hedw.) P. Beauv.	
322	"	✓ <u>Pohlia nutans</u> (Hedw.) Lindb.	
323	"	✓ <u>Thuidium delicatulum</u> (Hedw.) BSG	
324	"	✓ <u>Pleurozium schreberi</u> (Brid.) Mitt.	
325	"	✓ <u>Tetraphis pellucida</u> Hedw.	
326	"	✓ <u>Fissidens adiantoides</u> Hedw.	
327	"	✓ <u>Polytrichum juniperinum</u> Hedw. var. <u>affine</u> (Funck) Brid.	
329	"	✓ <u>Calliergon giganteum</u> (Schimp.) Kindb.	
331	"	✓ <u>Dicranum scoparium</u> Hedw.	
332	"	✓ <u>Dicranum drummondii</u> C.M.	
334	"	✓ <u>Mnium punctatum</u> Hedw.	
335	"	✓ <u>Campyllum polygamum</u> (BSG) C. Jens.	
336	"	✓ <u>Drepanocladus uncinatus</u> (Hedw.) Warnst.	
337	"	✓ <u>Aulacomnium palustre</u> (Hedw.) Schwaegr.	
338	"	✓ <u>Bryum pseudotriquetrum</u> (Hedw.) Gartn., Meyer and Scherb.	
339	"	✓ <u>Brachythecium curtum</u> (Lindb.) Limpr.	
340	"	✓ <u>Haplocladium microphyllum</u> (Hedw.) Broth.	
341	"	✓ <u>Hedwigia ciliata</u> (Hedw.) P. Beauv.	
343	"	✓ <u>Plagiothecium denticulatum</u> (Hedw.) BSG	
344	"	✓ <u>Drepanocladus exannulatus</u> (BSG) Warnst.	
348	"	✓ <u>Sphagnum centrale</u> C. Jens.	
349	"	✓ <u>Sphagnum wulfianum</u> Girg.	
727	"	✓ <u>Sphagnum warnstorffii</u> Russ.	
728	"	✓ <u>Sphagnum capillifolium</u> (Weiss) Schrank.	