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ANNOTATED CHECKLIST OF THE SEED PLANTS, FERNS AND FERN ALLIES

(DIVISION TRACHEOPHYTA)

FOR CLEARWATER COUNTY AND ITASCA STATE PARK

MINNESOTA

by

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Introduction

All of Clearwater County falls within the northern coniferous forest zone. Some of the plants which normally characterize this zone to the eastward and northward are, however, absent. The flora of the county is, never-the-less predominantly boreal. The species of the lakes, bogs and marshes are exclusively boreal in their affinities.

Relict hardwood forest "islands" which, floristically speaking, belong to the eastern hardwood forest zone, are present, particularly in the southern part of the county. The hardwood forest communities are, however, much depleted both in herbaceous and woody species.

Although no true prairie exists in the area studied, there is a fair representation of prairie species inhabiting the sandy slopes around De Soto Lake and Morrison Lake, the former entirely in Becker Co., and the latter partly in Becker and partly in Clearwater counties. Another area in Clearwater County located a few miles north of Clearbrook simulates the tall grass prairie to some extent. This area is actually a marshland occupying a former lake bed and the water table is very near the surface throughout its entire extent. A few wet prairie species are found on the slightly raised parts of this marshland and on a similar one to the west of Lower Red Lake.

The accompanying checklist was prepared with two objectives in view. It is, first of all, intended as an aid to students and faculty of the University of Minnesota Forestry and Biological Station. The possibility of its more extensive use in another edition treating only the plants of Itasca State Park is also envisaged. Second, the checklist represents a contribution to the systematic survey of the state flora undertaken by the staff of the herbarium of the University of Minnesota several years ago.

Preparation of the checklist would have been much more difficult were it not for the substantial plant collections of earlier workers. I wish particularly to mention those of Dr. C. O. Rosendahl extending over a period of more than thirty years. Collections made by two of Dr. Rosendahl's students, Drs. M. L. Grant and J. B. Moyle in the Itasca area were even more extensive. My own collections from the park and from Clearwater County generally, made since 1948, comprise nearly 1000 field numbers. These and other specimens upon which the study was based are on deposit in the herbarium of the University of Minnesota. Many duplicates are on deposit at Itasca.

The circumscription of the area covered by the checklist requires some explanation. Although most of Itasca State Park falls within Clearwater County, one tier of seven sections on the east side falls within Hubbard County and one tier of five sections on the south side falls within Becker County. It was thought desirable to include consideration of those parts of Itasca State Park located in Hubbard and Becker counties. Their omission would have excluded several species which in the general area under consideration occur within the park but outside Clearwater County. For example, the rarities found at De Soto and Morrison lakes in Becker County and those at La Salle Springs and vicinity and at Mary Lake and other lakes to the south and east, in Hubbard county, could not have been listed.

The checklist opens with a listing of the families of ferns and fern allies and their included species. This is followed by the gymnosperms and flowering plants. The families of flowering plants, comprising the Angiospermae, are listed alphabetically for the sake of convenience, and no separation of the Monocotyledonae from the Dicotyledonae is made.

Each species listed is given uniform treatment in-so-far as possible. The species under each generic name are arranged in alphabetical order. The authorities for each

binomial and for each variety and form are given. The common name, if there is one, is given next and then the parts of the area under study from which actual herbarium specimens have been seen is noted. The abbreviations refer to the geographical sub-areas as follows:

- B - South boundary road Highway No. 113 in Becker county just outside Itasca State Park
- C - Clearwater County excluding Itasca State Park.
- IB - That part of Itasca State Park in Becker County.
- IC - That part of Itasca State Park in Clearwater County.
- IH - That part of Itasca State Park in Hubbard County.

Next, a brief statement describing the prevailing habitat of the species is inserted and then, especially for rare or unusually interesting species, exact localities from which specimens have come are listed. Actually, the distribution of most species is more general than the locality citations would indicate. Finally, a judgment as to the abundance of each species in the area under consideration is given. The expressions range from "very common" or "locally common" through "common", "occasional", "rare" and "very rare." Obviously, many of the species considered rare in this area would be considered to be common elsewhere or vice versa.

The nomenclature adopted in the listings derives in large part from "Gray's Manual of Botany," 8th edition, by M. L. Fernald, 1950. Secondly, the nomenclature has come from "The New Britton & Brown Illustrated Flora," by H. A. Gleason, 1952. The treatment of the ferns and fern allies in the main, follows that in "The Ferns and Fern Allies of Minnesota", by R. M. Tryon, 1954. Other specialists have been followed in several other instances. When not adopted, however, the Gray's Manual name is given in parentheses after the accepted name for the sake of convenience to the users of the checklist.

This checklist is as complete as circumstances permitted. It is hoped that any omissions that have occurred, and there are undoubtedly some, can be corrected in a later edition. Persons finding unlisted species in the area encompassed will perform an important service if they convey their findings to the writer. No checklist or floristic treatment is likely to be 100% complete, but with assiduous efforts in field and herbarium all but the very rarest or ephemeral species eventually will be found.

G.B.O.
Feb., 1964

Subdivision LYCOPSIDA - Clubmosses and their relatives

LYCOPODIACEAE - Clubmoss Family

Lycopodium - Clubmoss; Groundpine

annotinum L. - Bristly Clubmoss

var. acrifolium Fern - IC. Spruce-fir forest w. of Lake Itasca. Rare.

var. annotinum - C, IC. Coniferous woods. Common.

clavatum L. - Running Clubmoss - C, IC. Coniferous woods. Common.

complanatum L. var. complanatum - Groundpine - IC, IH. Coniferous woods. Common.

complanatum L. X L. tristachyum Pursh - C. This putative hybrid has been reported once from the county: T 144, R 38, SE 1/4, NE 1/4, Sect. 14. Coniferous woods. Rare.

lucidum Michx. - Shining Clubmoss - C, IC. Wet, north-facing bank, T 143, R 37, NW 1/4, Sect 23, 1.6 miles w. of Itasca Park. One record from near Biol. Sta. Very rare.

obscurum L. var. dendroideum (Michx.) D. C. Eat. - Round-branch Groundpine - IC. Coniferous woods. Common.

selago L. var. patens (Beauv.) Desv. - Cliff Clubmoss - C. With L. lucidulum, w. of Itasca Park. See above. Very rare.

SELAGINELLACEAE - Spikemoss Family

Selaginella - Spikemoss

rupestris (L.) Spring - Rock Spikemoss - C, IB, IH. Dry, sandy banks, De Soto Lake; La Salle Springs. Occasional

ISOETACEAE - Quillwort Family

Isoetes - Quillwort

echinospora Dur. var. braunii (Dur.) Engelm. (I. muricata Dur., G. M., ed. 8) - Braun's Quillwort - C, IH. Shallow water, e. side of Deming Lake; boat landing, e. shore of Wapatus Lake. Rare.

Subdivision SPHENOPSIDA - Horsetails

EQUISETACEAE - Horsetail Family

Equisetum - Horsetail; Scouring-rush

arvense L. - Field Horsetail

var. arvense - C, IH. Banks; margins of lakes and streams. Common.

var. boreale (Bong.) Rupr. - IC, IH. La Salle Springs, etc. Common.

fluviatile L. - Water Horsetail - C, IC, IH. Shallow water. Deming Lake; Elk Lake; Garrison Point; Iron Springs. Common.

- hyemale L. var. affine (Engelm.) A. A. Eat. (E. hyemale L. var. pseudohyemale (Farw.) Mort., in Tryon, 1954) - Tall Scouring-rush - C, IC. Moist soil, banks and slopes. Common.
- kansanum Schaff. (E. laevigatum A. Br. sensu A. A. Eaton) - Smooth Scouring-rush - C. Near Sucker Creek just e. of Iron Springs. Locally common.
- palustre L. - Marsh Horsetail - C, IH. Iron Springs; La Salle Springs. Locally common.
- pratense Ehrh. - Meadow Horsetail - IC. Moist banks. Vicinity of Biol. Sta. and elsewhere. Common.
- scirpoides Michx. - Dwarf Scouring-rush - IC. Moist banks and hummocks in tamarack bogs. Bohall Trail; along Mary Creek at Douglas Lodge; Floating Bog Bay. Common.
- sylvaticum L. - Wood Horsetail - C, IC, IH. Wet soil, woodlands, often adjacent to water bodies. Common.
- X nelsonii (A. A. Eat.) Schaffn. (E. laevigatum A. Br. X E. variegatum Schleicher) - C. Marl soil, bottom of excavation by roadway, 7 miles n., 0.6 mile w. of Lake Itasca P. O. Rare.
- variegatum Schleicher - Mottled Scouring-rush - C. Same locality and habitat as above hybrid. Rare.

Subdivision PTEROPSIDA - Ferns and Seed Plants

Class FILICINEAE - Ferns

OPHIOGLOSSACEAE - Adder's-tongue Family

Botrychium - Moonwort; Grape Fern

- matricariaefolium A. Br. - Matricary Grape Fern - IC. Hardwood forest. Very rare.
- multifidum (Gmel.) Rupr. - Leathery Grape Fern
var. intermedium (Eaton) Farwell - IC. NW 1/4, NW 1/4, Sect. 10. Vary rare.
var. multifidum - IC. Hardwood forests. East of Floating Bog Bay; road to camp ground, Lake Itasca. Very rare.
- simplex Hitchc. Little Grape Fern - IC, IH. Moist woodlands. Road to Bear Paw Point; gravel pit along La Salle road. Rare.
- virginianum (L.) Sw. var. virginianum - Rattlesnake Fern - C, IC. Moist woodlands. Very common.

OSMUNDACEAE - Cinnamon Fern Family

Osmunda - Cinnamon Fern

- cinnamonmea L. - Cinnamon Fern - IC. Moist to dry woodlands. Occasional.
- claytoniana L. - Interrupted Fern - IC. Moist woodlands. Common.

POLYPODIACEAE - Fern Family

Adiantum - Maidenhair Fern

pedatum L. - Northern Maidenhair - IC. Hardwood forests.
Occasional.

Athyrium - Lady Fern; Spleenwort

filix-femina (L.) Roth. var. michauxii (Spreng.) Farwell -
Lady Fern - IC. Wet woodlands and edges of bog
forests. Common.

Cystopteris - Bladder Fern

bulbifera (L.) Bernh. - Bulblet Bladder Fern - IC. Bog
forests; alder thickets. Wet situations. Bear
Paw Point; La Salle Creek; nature trail, Douglas
Lodge. Locally common.

Dryopteris - Shield Fern

cristata (L.) Gray - Crested Shield Fern - IC, IH. Moist
woodlands and thickets. Common.
spinulosa (Mueller) Watt var. spinulosa - Spinulose Shield
Fern - IC. Mesic woods, often adjacent to bogs.
Common.

Gymnocarpium - Oak Fern

dryopteris (L.) Newm. (Dryopteris-disjuncta (Ledeb.) Mort.,
G. M., ed. 8) - Oak Fern - C, IC. Bog forests.
Common.
robertianum (Hoffm.) Newm. (Dryopteris robertiana (Hoffm.)
Christens., G. M., ed. 8) - Northern Oak Fern - C.
Duff under spruce-fir, n.e. of Iron Springs. Rare.

Matteuccia - Ostrich Fern

struthiopteris (L.) Todaro var. pensylvanica (Willd.)
Mort. (Pteretis pensylvanica (Willd.) Fern., G. M.,
ed. 8) - Ostrich Fern - IC. Low places in deciduous
woodlands, wet soil. Very common.

Onoclea - Sensitive Fern

sensibilis L. - Sensitive Fern - IC. Moist places, edges
of swamps, bogs and woodland pools. Common.

Pteridium - Bracken

aquilinum (L.) Kuhn var. latiusculum (Desv.) Underw. -
Eastern Bracken - IC. Dry, open hardwood forests,
etc. Very common.

Thelypteris - Marsh Fern

palustris Schott var. pubescens (Lawson) Fern. (Dryopteris
thelypteris (L.) Gray, G. M., ed. 8) - Northern
Marsh Fern - IC. Bogs, marshes and sedge mats.
Common.

Class GYMNOSPERMAE - Gymnosperms; Conifers; Evergreens

CUPRESSACEAE - Cypress Family

Juniperus - Juniper

- communis* L. var. *depressa* Pursh - Prostrate Juniper - C, IC. Jack Pine woods. Occasional.
virginiana L. - Eastern Red Cedar. IC. Escaped cultivation, northeast side of Lake Itasca. Occasional.

Thuja - White Cedar; Arbor Vitae

- occidentalis* L. - White Cedar; Arbor Vitae - IC. Bogs. Locally common.

PINACEAE - Pine Family

Abies - Fir

- balsamea* (L.) Mill. - Balsam Fir - IC. Bogs and uplands. Common.

Larix - Larch; Tamarack

- decidua* Mill. - European Larch - IC. Cult., Biol. Sta.
laricina (Du Roi) K. Koch - Tamarack; American Larch - IC. Bogs. Very common.
leptolepis (Sieb. and Zucc.) Gord. (*L. kaempferi* Sarg.) - IC. Cult., Biol. Sta.
X pendula Salisb. (*L. decidua* Mill. X *L. laricina* (Du Roi) K. Koch) - IC. Cult., Biol. Sta.

Picea - Spruce

- abies* (L.) Karst. - Norway Spruce - IC. Cult., Biol. Sta.
glauca (Moench) Voss - White Spruce - IC, IH. Principally on higher ground. Common.
mariana (Mill.) B.S.P. - Black Spruce - C, IC, IH. Principally in bogs. Common.
pungens Engelm. - Colorado Blue Spruce - IC. Cult., Biol. Sta.

Pinus - Pine

- banksiana* Lamb. - Jack Pine - IB, IC. Sandy areas. Common.
koraiensis Sieb, and Zucc. - Korean White Pine - IC. Cult., Biol. Sta.
monticola D. Don - Western White Pine - IC. Cult., Biol. Sta.
resinosa Ait. - Norway Pine; Red Pine - IC. Well-drained uplands. Common.
strobus L. - Eastern White Pine - IC. Well-drained soil, moraines etc. Common.
sylvestris L. - Scotch Pine - IC. Cult., Biol. Sta.

Tsuga - Hemlock

- canadensis* (L.) Carr. - Eastern Hemlock - IC. Cult., Biol. Sta.

TAXACEAE - Yew Family

Taxus - Yew

canadensis Marsh. - American Yew - C, IC. Generally in
tamarack and black spruce bogs. Bear Paw Point.
Very rare in the park.

Class ANGIOSPERMAE - Flowering Plants

ACERACEAE - Maple Family

Acer - Maple

- negundo L. - Box Elder - IC. Deciduous woodlands and mixed forests. Common.
 rubrum L. - Red Maple - IC. Uplands, mixed forests. Common.
 saccharum L. - Hard Maple; Sugar Maple - IC. Hardwood forests, uplands. Common.
 spicatum Lam. - Mountain Maple - IC. Woodlands. Common.

ALISMACEAE - Water Plantain Family; Arrowhead Family

Alisma - Water Plantain

- triviale Pursh - Large-flowered Water Plantain - C, IC.
 Borders of water bodies and ephemeral ponds. Common.

Sagittaria - Arrow-head; Wapato

- cristata Engelm. - Crested Arrow-head - C, IH. Deming Lake; Wapatus Lake. Rare.
 cuneata Sheld. - Arum-leaved Arrow-head - C, IC. Lake Itasca; Morrison Lake, etc. Sometimes in flowing streams and then the leaves ribbon-like. Common.
 latifolia Willd. - Broad-leaved Arrow-head; Duck Potato - Borders of water bodies; wet banks. Very common.
 f. gracilis (Pursh) Robins. - C, IC.
 f. hastata (Pursh) Robins. - C, IC.
 f. latifolia. - IC.
 rigida Pursh - Sessile-fruited Arrow-head - Shallow water, lakes and ponds. Common.
 f. elliptica (Engelm.) Fern. - IB, IC
 f. rigida - IH.

AMARANTHACEAE - Amaranth Family

Acnida - Water Hemp

- altissima Riddell - Rough-fruited Water Hemp - IC. Sandy shores of Lake Itasca. Rare.

Amaranthus - Amaranth; Pigweed

- graecizans L. - Prostrate Amaranth - B. Weed, margins of Hwy. 113 opposite entrance to De Soto Lake. Rare.
 retroflexus L. - Red Root; Red-rooted Amaranth - IC.
 Weed in disturbed soil. Occasional.

ANACARDIACEAE - Sumach Family

Rhus - Sumach

- glabra L. - Scarlet Sumach; Smooth Sumach - Well-drained sites, full sun. Common.
 var. borealis Britt. - IC.
 var. glabra - C, IC.

- radicans L. var. rydbergii (Small) Rehd. - Poison Ivy - IC.
Open woodlands; margins of thickets. Very common.
typhina L. - Staghorn Sumach - IC. Well-drained sites,
full sun. Common.

APOCYNACEAE - Dogbane Family

- Apocynum - Dogbane; Indian Hemp
androsaemifolium L. - Spreading Dogbane - IC. Edges of
woodlands and thickets. Common.
sibiricum Jacq. var. cordigerum (Greene) Fern. - Sessile-
leaved Dogbane - C, IC. Wet meadows. Squaw Lake;
Wegman farm, Lake Itasca; 5.6 miles n. of Clear-
brook. Locally common.

ARACEAE - Arum Family

- Acorus - Sweet Flag; Calamus
calamus L. - Sweet Flag - IC. Marshes and margins of
streams and lakes. Common.
Arisaema - Indian Turnip
triphyllum (L.) Schott - Jack-in-the-Pulpit - IC. Shady,
wet sites in deciduous or mixed woods. Bear Paw
Point. Common.
Calla - Calla; Water Arum
palustris L. - Wild Calla - IC. Marshes, sedge mats
and woodland pools. Very common.

ARALIACEAE - Ginseng Family

- Aralia - Wild Sarsaparilla
nudicaulis L. - Wild Sarsaparilla - IC. Shady, well-
drained areas in woods. Common.
racemosa L. - American Spikenard - IC. Shady, moist woods.
Bear Paw Point; Bohall Trail. Occasional.

ARISTOLOCHIACEAE - Birthwort Family

- Asarum - Wild Ginger
canadense L. var. acuminatum Ashe - Long-tipped Wild
Ginger - IC. Woods. Bear Paw Point, etc.
Occasional.

ASCLEPIADACEAE - Milkweed Family

- Asclepias - Milkweed
incarnata L. - Swamp Milkweed - IC. Swamps and marshes,
full sun. Common
ovalifolia Dcne. - Oval-leaved Milkweed - C, IC. Well-
drained, often sandy soil, full sun. Occasional.
syriaca L. - Common Milkweed - IC. Openings in woods,
roadsides, etc. Common.

BALSAMINACEAE - Jewelweed Family: Touch-me-not Family

Impatiens - Jewelweed; Touch-me-not
capensis Meerb. - Spotted Touch-me-not - IC. Very wet,
 shady sites. Common.

BERBERIDACEAE = Barberry Family

Caulophyllum - Blue Cohosh
thalictroides (L.) Michx. - Blue Cohosh - IC. Shady,
 well-drained areas. Bear Paw Point. Locally common.

BORAGINACEAE - Borage Family

Cynoglossum - Hound's-tongue
boreale Fern. - Northern Hound's-tongue - IC. Pine forests.
 Occasional.

Echium - Viper's Bugloss
vulgare L. - Blue Weed - C. Introduced weed in field, 15
 miles n. of Lake Itasca P. O. Locally common.

Hackelia - Stickseed
americana (Gray) Fern. - Nodding Stickseed - IC. School-
 craft Island. Rare.

Lappula - Burseed
echinata Gilib. - European Burseed - C, IB. Roadside weed.
 De Soto Lake. Occasional.

Lithospermum - Puccoon; Gromwell
canescens (Michx.) Lehm. - Hoary Puccoon - IH. Sandy soil,
 Jack Pine forests. La Salle Springs. Locally common.

Mertensia - Lungwort
paniculata (Ait.) G. Don - Tall Lungwort - C. Bog west of
 Tamarack Lake. Rare.

Onosmodium - False Gromwell
hispidissimum Mack. - Shaggy False Gromwell - C. Well-
 drained soil on bank, full sun, Sucker Creek. Rare.

CALLITRICHACEAE - Water-starwort Family

Callitriche - Water-starwort
palustris L. - Vernal Water-starwort - C, IC. Muddy banks
 along streams. Sucker Creek; Squaw Lake. Occasional.

CAMPANULACEAE - Bluebell Family

Campanula - Bellflower; Bluebell

aparinoides Pursh - Marsh Bellflower - C, IC. Marshes and lake shores. Common.

rotundifolia L. - Harebell - IC. Meadows and banks, often in sandy soil. Very common.

uliginosa Rydb. - Blue Marsh Bellflower - IC. Probably synonymous with *C. aparinoides* and often combined with that species. Common.

CANNABINACEAE - Hemp Family

Humulus - Hop

americanus Nutt. - American Hop-vine - C, IC, IH. Low woodlands. La Salle Creek; Mississippi headwaters. Occasional.

CAPRIFOLIACEAE - Honeysuckle Family

Diervilla - Bush Honeysuckle

lonicera Mill. - Bush Honeysuckle - IC. Mesic woods. Very common.

Linnaea - Twin-flower

borealis L. var. *americana* (Forbes) Rehder - Twin-flower - IC. Coniferous woods. Common.

Lonicera - Honeysuckle

canadensis Marsh. - American Fly-honeysuckle - C, IC. Woodlands and bogs. Common.

dioica L. var. *glaucescens* (Rydb.) Butters - Glaucous Honeysuckle - C, IC. Woodlands. Occasional.

hirsuta Eaton - Hairy Honeysuckle - IC. Woodlands. Common.

oblongifolia (Goldie) Hook. - Swamp Fly-honeysuckle - IC. Bog forests. Common.

tatarica L. - Tartarian Honeysuckle - IC. Escaped cultivation. Occasional.

villosa (Michx.) R. & S. var. *solonis* (Eaton) Fern. - Mountain Fly-honeysuckle - IC, IH. Bog forests. Common.

Sambucus - Elder

pubens Michx. - Red-berried Elder - IC. Open woodlands. Occasional

Symphoricarpos - Snowberry; Wolfberry

albus (L.) Blake - Snowberry - IC. Open woodlands. Common.

occidentalis Hook. - Wolfberry - IC. Edges of forests, fields, etc. Common.

Viburnum - Arrow-wood

lentago L. - Nannyberry; Black Haw - IC. Woodlands. Occasional.

- opulus* L. var. *roseum* L. - Snow-ball Tree - IC. Cult., Wegman farm.
rafinesquianum Schult. - Deciduous and mixed woodlands.
 var. *affine* (Schneid.) House - Downy Arrow-wood - IC. Occasional.
 var. *rafinesquianum* - Woolly Arrow-wood - IC. Common.
trilobum Marsh. - High-bush Cranberry - IC. Moist woodlands. Common.

CARYOPHYLLACEAE - Pink Family

Arenaria - Sandwort

- lateriflora* L. - Blunt-leaved Sandwort - IC. Deciduous woods. Common.
serpyllifolia L. - Thyme-leaved Sandwort - IC, IH. Weed in cultivated ground, gravel pits, etc. Biol. Sta.; La Salle Springs. Locally common.

Cerastium - Mouse-ear Chickweed

- vulgatum* L. - Larger Mouse-ear Chickweed - IC. Weed in disturbed places. Biol. Sta. Occasional.

Dianthus - Pink; Carnation

- armeria* L. - IH. Introduced between Twin Lakes s. of Mary Lake. Rare.

Lychnis - Campion

- alba* Mill. - White Campion - IC. Dooryards and roadways. Common.

Saponaria - Soapwort

- officinalis* L. - Bouncing Bet - H. Not recorded from Clearwater Co., but to be expected. Roadside weed; persisting around farmsteads.

Silene - Campion; Catchfly

- antirrhina* L. - Sleepy Catchfly - C, IC. Sandy soil, Jack Pine forests. Common.
cserei Baumg. - European Campion - IC, IH. Roadside weed. Gravel pit near Biol. Sta.; same, La Salle Springs. Occasional.
cucubalus Wibel - Bladder Campion - IC. Weed. Bear Paw Point; shore of Lake Itasca. Rare.
dichotoma Ehrh. - Forked Catchfly - C. Roadside weed, 1.7 miles n. of Lake Itasca P. O. Occasional.
noctiflora L. - Night-flowering Catchfly - IC. Weed on disturbed sites. Biol. Sta. Rare.

Spergularia - Sand Spurrey

- rubra* (L.) J. & C. Presl. - Red Sandwort - C. Introduced weed. Alida. Only record from Minnesota.

Stellaria - Chickweed; Stitchwort

crassifolia Ehrh. - Fleshy Stitchwort - C, IC. Sphagnum bogs, springs and wet banks. Common.

longifolia Muhl. - Long-leaved Stitchwort - IC. Bogs and sedge meadows. Common.

media (L.) Cyrill - Common Chickweed - IC. Lawn weed. Biol. Sta. Very common.

CELASTRACEAE - Staff Tree Family; Bittersweet Family

Celastrus - Shrubby Bittersweet

scandens L. - Climbing Bittersweet - IC. Mixed woodlands. Common.

CERATOPHYLLACEAE - Hornwort Family

Ceratophyllum - Hornwort

demersum L. - Hornwort; Coontail - C, IC. Immersed aquatic. Very common.

CHENOPODIACEAE - Goosefoot Family

Chenopodium - Goosefoot

album L. - Lamb's Quarters - IC. Weed on disturbed sites, full sun, well-drained soil. Occasional.

capitatum (L.) Asch. - Strawberry Blite - C. Weed. Rare.

hybridum L. var. *gigantospermum* (Aellen) Rouleau - IB, IC, IH. Upland woods. Occasional.

leptophyllum Nutt. (incl. *C. pratericola* Rydb.) - IB. Dry banks. Morrison Lake. Rare.

Coriospermum - Bug-seed

hyssopifolium L. - Bug-seed - B. Weed in disturbed soil. Margin of Hwy. 113, opposite entrance to De Soto Lake. Rare.

Salsola - Saltwort; Russian Thistle

kali L. var. *tenuifolia* Meyer - Russian Thistle - B. Weed in disturbed soil. Margin of Hwy. 113 opposite entrance to De Soto Lake. Rare.

CISTACEAE - Rock-rose Family

Helianthemum - Rock-rose; Frostweed

bicknellii Fern. - IC. Dry hillsides. Squaw Lake. Occasional.

Lechea - Pinweed

intermedia Leggett - Large-podded Pinweed - IB, IC. Wegman farm, north end of Lake Itasca; sandy shore of De Sota Lake. Locally common.

stricta Leggett - Prairie Pinweed - IB, IC. Dry hillsides. Morrison Lake. Locally common.

COMPOSITAE - Composite Family

Achillea - Yarrow

lanulosa Nutt. - Woolly Yarrow - C, IC. Dry woodlands and roadsides. Very common.

Ambrosia - Ragweed

artemisiifolia L. var. elatior (L.) Desc. - Common Ragweed - IC. Dry roadsides and fields. Common.

psilostachya DC. var. coronopifolia (T. & G.) Farw. - Western Ragweed - IC. Dry roadsides and fields. Squaw Lake. Occasional.

trifida L. - Great Ragweed - IC. Weed in disturbed areas. Occasional.

Anaphalis - Pearly Everlasting

margaritacea (L.) Clarke. var. intercedens Hara - Pearly Everlasting - IC. Open woodlands. Common.

Antennaria - Everlasting; Ladies' Tobacco

canadensis Greene (A. neglecta Greene var. randii (Fern.) Cronq., B. & B., 1952) - IC. Jack Pine forest. Common.

munda Fern. (A. plantaginifolia (L.) Richards. var. ambigens (Greene) Cronq., B. & B., 1952) - Trim Everlasting - IC. Open forests and pastures. Common.

neodioica Greene var. neodioica (A. neglecta Greene var. attenuata (Fern.) Cronq., B. & B., 1952) - Smaller Everlasting - IC. Open forests and pastures. Common.

Arctium - Burdock

minus (Hill) Bernh. - Common Burdock - C. Weed along roadways and about habitations. Occasional.

Artemisia - Wormwood

absinthium L. - Common Wormwood - IC. In disturbed soil, borders and fields. Occasional.

biennis Willd. - Biennial Wormwood - IC. Open, dry sites. Squaw Lake. Rare.

caudata Michx. - Tall Wormwood - IB, IC. Dry hillsides. Bear Paw Point; De Soto Lake. Occasional.

Ludoviciana Nutt. var. gnaphalodes (Nutt.) T. & G. - Dark-leaved Mugwort - IC. Meadows. Squaw Lake road. Occasional.

Aster - Aster

azurius Lindl. - Sky-blue Aster - C, IB. Sandy soil, De Soto Lake; Morrison Lake. Rare.

ciliolatus Lindl. - Lindley's Aster - C, IC. Open woods and fields. Very common.

ericoides L. - Frost-weed Aster - IC. Dry pastures and meadows. Squaw Lake. Rare.

hesperius Gray - C, IC. Low meadows. Occasional.

- junciformis* Rydb. - Bog Aster - C, IC, IH. Marshes, sedge mats and lake shores. Common.
laevis L. - Smooth Aster - IC. Open woodlands. Common.
lateriflorus (L.) Britt. - Calico Aster - IC. Openings in woodlands. Common.
macrophyllus L. var. *velutinus* Burgess - Large-leaved Aster - IC. Open, coniferous forest. Common.
ptarmicoides (Nees) T. & G. - Upland White Aster - IC. Low meadows. Squaw Lake. Rare.
puniceus L. - Red-stalk Aster - Sedge meadows and bogs.
 var. *firmis* (Nees) T. & G. - IC. Biol. Sta. Rare.
 var. *puniceus* - C, IC, IH. Very common.
simplex Willd. - Panicked Aster - Wet meadows.
 var. *ramosissimus* (T. and G.) Cronq. - C, IC. Common.
 var. *simplex* - C, IC. Common.
umbellatus Mill. var. *pubens* Gray - Flat-top White Aster - IC. Edges of marshes; openings in mesic forests. Common.
- Bidens - Bur Marigold; Beggar-ticks**
cernua L. - Nodding Bur Marigold - C, IC. Marshes and lake borders. Common.
connata Muhl. - Swamp Beggar-ticks - Bogs. Common.
frondosa L. - Beggar-ticks - C. Along wet ditches. Occasional.
vulgata Greene f. *puberula* (Wieg.) Fern. - C. Along wet ditches. Occasional.
- Centaurea - Bachelor's Button; Star Thistle**
cyanus L. - Bachelor's-button; Cornflower - IH. Escaped cult., roadside, Deming Lake. Rare.
maculosa Lam. - Spotted Knapweed - C. Introduced weed along roadways, Sucker Creek near Iron Springs and westward. Locally common.
- Chrysanthemum - Chrysanthemum**
leucanthemum L. var. *pinnatifidum* Lecoq. & Lamotte - Ox-eye Daisy - IC. Introduced. Meadows. Common.
- Cirsium - Thistle**
arvense (L.) Scop. - Canada Thistle - C, IC. Wet ditches and road margins. Common.
discolor (Muhl.) Spreng. - Field Thistle - IC. Edges of woodland; road margins. Occasional.
flodmanii (Rydb.) Arthur - Flodman's Thistle - C. Meadows. Lake Itasca P. O. Occasional.
muticum Michx. - Swamp Thistle - C, IC. Swamps and wet meadows. Common.
vulgare (Savi) Tenore - Bull Thistle - IC. Pasture and woodland weed. Occasional.
- Crepis - Hawk's-beard**
tectorum L. - Narrow-leaved Hawk's-beard - IB, IC. Weed in disturbed soil. Gravel pit, Biol. Sta. Common.

- Erigeron - Fleabane
canadensis L. - Horse-weed - IC. Well-drained, disturbed soil. Common.
glabellus Nutt. var. *pubescens* Hook. - Rough Erigeron - C. Jack Pine forest. Rare.
philadelphicus L. - Philadelphia Fleabane - C, IC. Moist, open woodlands and meadows. Common.
strigosus Muhl. - Rough Fleabane - IC. Dry fields and pastures. Common.
- Eupatorium - Thoroughwort; Boneset
maculatum L. - Joe-Pye Weed - IC. Wet meadows and borders. Common.
perfoliatum L. - Common Boneset - IC. Lake shores and sedge meadows. Common.
- Gaillardia - Gaillardia
pulchella Foug. - Gaillardia - C, IH. Dry, sandy banks along highway. Introduced. Locally common.
- Gnaphalium - Cudweed
uliginosum L. - Low Cudweed - C, IC. Wet soil, partial shade. Rare.
- Helenium - Sneezeweed
autumnale L. - Sneezeweed - C. Low meadows north of Clearbrook. Occasional.
- Helianthus - Sunflower
giganteus L. - Giant Sunflower - IC, IH. Openings in woods. Common.
grosseserratus Martens - Saw-tooth Sunflower - C. Marsh north of Clearbrook. Common.
hirsutus Raf. - Stiff-haired Sunflower - C. Dry roadsides. Rare.
laetiflorus Pers. - Stiff Sunflower - IH. Clearing in Jack Pine forest, La Salle Trail. Rare.
maximiliani Schrad. - Maximilian's Sunflower - C, IC. Dry roadsides and forest openings. Occasional.
tuberosus L. - Jerusalem Artichoke - C, IC. Wet meadows. Common.
- Heliopsis - False Sunflower
helianthoides (L.) Sweet var. *scabra* (Dunal) Fern. - Rough Ox-eye - C, IC. Meadows and clearings. Occasional.
- Hieracium - Hawkweed
canadense Michx. - Canada Hawkweed - C, IB, IC, IH. Forest margins and openings. Common.
scabrum Michx. var. *scabrum* - Rough Hawkweed - C, IC. Jack Pine forests. Common.
umbellatum L. - Narrow-leaved Hawkweed - IB, IC, IH. Doubtfully distinguishable from *H. canadense* in the Itasca area. Common.

- Iva - Marsh Elder
xanthifolia Nutt. - Marsh Elder - IC. Weed in disturbed soil. Rare.
- Krigia - Dwarf Dandelion
biflora (Walt.) Blake - Dwarf Dandelion - IH. Pine forests, La Salle trail. Rare.
- Lactuca - Lettuce
biennis (Moench) Fern. - Tall Blue Lettuce - IC. Aspen woods. Sect. 1, north boundary. Rare.
canadensis L. - Wild Lettuce - C, IC. Openings in mixed forests. Occasional.
pulchella (Pursh) DC. - Large-flowered Blue Lettuce - C, IC. Open woods. Rare.
scariola L. - Prickly Lettuce - IC. Disturbed sites. Rare.
- Liatris - Blazing Star
aspera Michx. - Common Blazing Star - IC. Openings in Jack Pine forest. Common.
ligulistylis (Nels.) K. Schum. - Large-headed Button-Snakeroot - IC. Openings in Jack Pine forest. Common.
pycnostachya Michx. - Prairie Button-Snakeroot - IC. Wet meadows. Squaw Lake. Rare.
- Matricaria - False Chamomile
chamomilla L. - Wild Chamomile - IB. Roadside weed. South boundary road. Rare.
matricarioides (Less.) Porter - Rayless Chamomile - C, IB. Weed. Roadsides and dooryards. Occasional.
- Megalodonta - Water Marigold
beckii (Torr.) Greene - Water Marigold - IB, IC. Aquatic. De Soto Lake; Squaw Lake. Occasional.
- Petasites - Sweet Coltsfoot
palmatus (Ait.) A. Gray - Palmate-leaved Sweet Coltsfoot - IC. Bog forests. Common.
sagittatus (Pursh) A. Gray - Arrow-leaved Sweet Coltsfoot - IC. Marshes, low meadows and lake shores. Occasional.
vitifolius Greene - Arctic Sweet Coltsfoot - C, IC, IH. Bog forests. Common.
- Prenanthes - Rattlesnake-root
alba L. - Rattlesnake-root - C, IB. Deciduous woodlands and mixed forests. Common.
- Ratibida - Prairie Cone-flower
columnifera (Nutt.) Woot. and Standl. - Long-headed Cone-flower - C, IH. Introduced along highway strips. Occasional.

Rudbeckia - Cone-flower

- laciniata L. - Goldenglow - IC. Wet banks, open sun. Rare.
serotina Nutt. - Black-eyed Susan - IC. Meadows and openings in woodlands. Common.

Senecio - Ragwort; Groundsel

- aureus L. var. gracilis (Pursh) Wood - Golden Ragwort - C, IC. Bogs. Occasional.
congestus (R. Br.) DC. var. palustris (L.) Fern. - March Groundsel - IC, IH. Mud along lake shores. Occasional.
pauperculus Michx. var. balsamitae (Muhl.) Fern. - Balsam Groundsel - IB, IC. Dry banks and meadows, often in partial shade. Common.
plattensis Nutt. - Prairie Ragwort - IC, IH. Dry woods and meadows. Common.

Solidago - Goldenrod

- altissima L. - Tall Goldenrod - C, IC. Meadows and forest borders. Common.
canadensis L. - Canada Goldenrod - Meadows and forest borders. Common.
var. canadensis - C, IC, IH.
var. gilvocanescens Rydb. - C.
flexicaulis L. - Zig-zag Goldenrod - C, IC. Open woodlands. Common.
gigantea Ait. - Late Goldenrod. Low meadows.
var. gigantea - C. Iron Springs. Occasional.
var. leiophylla Fern. - C, IC. Very common.
graminifolia (L.) Salisb. var. graminifolia - Bushy Goldenrod - Banks, roadsides and edges of meadows. Common.
hispida Muhl. var. hispida - Hairy Goldenrod - IC, IH. Meadows and open woodlands. Common.
juncea Ait. - Early Goldenrod - C, IC. Roadside banks and open woodlands. Common.
nemoralis Ait. - Gray Goldenrod - Meadows and open woodlands.
var. decemflora Fern. - C. Occasional.
var. nemoralis - C, IB, IC. Common.
rigida L. - Stiff Goldenrod - C, IC. Dry meadows. Common.
uliginosa Nutt. var. uliginosa - C. Sunny swamps. 1.4 miles n. of Lake Itasca P. O.; 2.2 miles n. of Clearbrook. Rare.

Sonchus - Sow Thistle

- arvensis L. var. glabrescens Guenth., Grab. and Wimm. - Corn Sow Thistle - C, IC. Introduced weed along roadways and in fields. Common.

Tanacetum - Tansy

- vulgare L. - Tansy - IC. Introduced weed in disturbed places. Biol. Sta. Occasional.

Taraxacum - Dandelion

erythrospermum Andrz. - Red-seeded Dandelion - C, IH.
Introduced weed. Iron Springs. Rare.

officinale Weber - Dandelion - IC. Introduced weed. Biol.
Sta. Occasional

Tragopogon - Goat's-beard

dubius Scop. (T. major Jacq., G. M., ed. 8) - Goat's-beard
- IC. Weed in meadows and along roadways.
Occasional.

CONVOLVULACEAE - Morning-glory Family

Convolvulus - Bindweed

sepium L. - Hedge Bindweed - C, IC. Forest margins and
roadways. Occasional.

spithameus L. - Upright Bindweed - IC, IH. Jack Pine
forest. NW, SW 1/4, Sect. 4, on trail to N.W.
cabin. Occasional.

Cuscuta - Dodder

gronovii Willd. - Dodder - IC. Parasite. Bear Paw Point.
Rare.

CORNACEAE - Dogwood Family

Cornus - Dogwood

alternifolia L. - Alternate-leaved Dogwood; Pagoda Dogwood
- IC. Deciduous or mixed woodlands. Common.

canadensis L. - Dwarf Cornel; Bunchberry - IC. Coniferous
forest floor. Common.

racemosa Lam. - Panicked Dogwood - IC. Forest borders.
Common.

rugosa Lam. - Round-leaved Dogwood - IC. Forest borders.
Common.

stolonifera Michx. - Red-osier Dogwood - IC. Bog forests
and moist woodlands. Common.

CORYLACEAE - Alder or Birch Family

Alnus - Alder

crispa (Ait.) Pursh - Green Alder - IC, IH. Dry ridges,
coniferous or mixed forests. La Salle Springs, etc.
Common.

rugosa (Du Roi) Spreng. var. americana (Regel) Fern. -
Speckled Alder - IC. Bog forests, stream margins
and lake shores. Common.

Betula - Birch

lutea Michx. - Yellow Birch - IC. Bog forests. Occasional.

papyrifera Marsh. - Paper Birch - IC. Uplands and bog
margins. Very common.

pumila L. var. glandulifera Regel - Dwarf Birch; Bog Birch -
IC. Bogs. Very common.

- X *purpusii* Schneider (*B. lutea* Michx. X *B. pumila* L. var. *glandulifera* Regel) - IC. Bogs. Rare.
 X *sandbergii* Britt. (*B. papyrifera* Marsh. X *B. pumila* L. var. *glandulifera* Regel) - IC. Bogs. Floating Bog Bay. Rare.

Carpinus - Hornbeam

- caroliniana* Walt. - American Hornbeam; Blue Beech - IC.
 Low places in deciduous or mixed woodlands.
 Occasional.

Corylus - Hazel

- americana* Walt. - Hazelnut - IC. Uplands. Very common.
cornuta Marsh. - Beaked Hazelnut - IC, IH. Uplands. Very common.

Ostrya - Hop Hornbeam; Ironwood

- virginiana* (Mill.) Koch - Hop Hornbeam; Ironwood - IC.
 Uplands or wet woods. Very common.

CRUCIFERAE - Mustard Family

Arabis - Rock Cress

- divaricarpa* A. Nels. - Pink Rock Cress - C, IC. Dry, open roadsides and slopes or edges of pine forests. Occasional.
glabra (L.) Bernh. - Tower Mustard; Tower Cress - IC. Principally in grasslands. Occasional.
hirsuta (L.) Scop. var. *pyncocarpa* (Hopkins) Rollins - IC. Jack Pine forest. Rare.

A Armoracia - River Cress

- lapathifolia* Gilib. - Horse-radish - IC. Escaped cultivation, Wegman farm, n.e. side of Lake Itasca.

Berberoa - *Berberoa*

- incana* (L.) DC. - Hoary Alyssum - IC. Weed in disturbed areas and along roadways. Common.

Brassica - Mustard

- kaber* (DC.) Wheeler var. *pinnatifida* (Stokes) Wheeler - Charlock - C, IC. Introduced into cultivated fields and spreading into marginal habitats. Common.

Camelina - False Flax

- microcarpa* Andrz. - Small-fruited False Flax - C. Weed in dry places. Gravel pit, 6.8 miles n. of Clearbrook. Locally common.

Capsella - Shepherd's Purse

- bursa-pastoris* (L.) Medic. - Shepherd's Purse - IC. Weed in disturbed soil. Common.

Cardamine - Bitter Cress

~~pennsylvanica~~ Muhl. - Pennsylvanian Bitter Cress - IC.

Sphagnum bogs. Occasional.

pratensis L. var. palustris Wimm. and Grab. - Marsh Bitter Cress - C, IC. Spruce-fir zone. Floating Bog Bay; Tamarack Lake. Very rare.

Descurainia - Tansy Mustard

pinnata (Walt.) Britton var. brachycarpa (Richards.) Fern.

- Tansy Mustard - C, IC. Disturbed soil, principally along roadways. Occasional.

Erysimum - Treacle Mustard

cheiranthoides L. - Wormseed; Treacle Mustard - C, IC.

Pastures and thickets. Occasional.

inconspicuum (Wats.) MacM. - Small-flowered Prairie Rocket - C, IH. Pastures. Occasional.

Lepidium - Peppergrass

densiflorum Schrad. - Peppergrass - IC. Weed in disturbed soil. Occasional.

Neslia - Ball Mustard

paniculata (L.) Desv. - Ball Mustard - C. Weed in grain field. Rare.

Rorippa - Marsh Cress; Yellow Cress

islandica (Oeder) Borbas - Marsh Cress. Marshes, wet ditches. Common.

var. fernaldiana Butt. and Abbe - IC.

var. hispida (Desv.) Butt. and Abbe - IC.

Sisymbrium - Hedge Mustard

altissimum L. - Tall Sisymbrium; Tumble Mustard - C, IC. Weed in disturbed soil. Common.

Thlaspi - Penny Cress

arvense L. - Field Penny Cress - C. Weed. Occasional.

CUCURBITACEAE - Gourd Family

Echinocystis - Wild Cucumber

lobata (Michx.) T. & G. - Wild Cucumber - IC. Moist woodland. Occasional.

CYPERACEAE - Sedge Family

Carex - Sedge

adusta Boott - IC. Dry meadow, Biol. Sta. Rare.

angustior Mack. - IB, IC. Lake margins. Morrison Lake. Rare.

aquatilis Wahlenb. - Water Sedge - C, IC, IH. Marshes and sedge mats. Common.

arcta Boott - IC. Wet margins of woodland pools. Occasional.

- arctata Boott - IC. Mixed upland forests. Occasional.
- assiniboinensis Boott - IC. Low areas in mixed or deciduous forests. Bear Paw Point; Garrison Point.
Rare.
- atherodes Spreng. - C, IC. Marshes. Occasional.
- aurea Nutt. - Golden-fruited Sedge - C, IC. Sphagnum bogs and sedge meadows. Common.
- backii Boott - IC, IH. Openings in Jack Pine, Red Pine or hardwood forests. Bear Paw Point; Garrison Point; La Salle Springs. Occasional.
- bebbii Olnéy - C, IB, IC, IH. Low sedge meadows and margins of lakes, full sun. Common.
- blanda Dewey - IC. Mixed forests. Rare.
- brunnescens (Pers.) Poir. - C, IC. Swales in mixed forests.
Rare.
- buxbaumii Wahl. - C. Sedge meadows of old lake bed, 2.3 miles n. of Clearbrook. Locally common.
- canescens L. - IC, IH. Floating sedge mats. Darling Pond.
Rare.
- capillaris L. var. major Blytt (var. elongata Olney, B. & B., 1952) - C, IC. Banks and shores. Lake Itasca at Biol. Sta.; edges of drainage ditch through tamarack swamp n. of Clearbrook. Locally common.
- chordorrhiza L. - Creeping Sedge - C, IC, IH. Floating sedge mats and sedge meadows. Garrison Point; Iron Springs; Twin Lakes Bog s.e. of Mary Lake.
Occasional.
- comosa Boott - Bristly Sedge - IC. Sedge marshes. Common.
- crawfordii Fern. - IB, IC. Lake margins. Bohall Lake; De Soto Lake; Morrison Lake, etc. Occasional.
- crisatella Britt. - Crested Sedge - C, IC. Edges of streams and drainage ditches. Mississippi River n. of headwaters; drainage ditch 2 miles n. of Clearbrook. Occasional.
- deweyana Schwein. - C, IC. Deciduous forests and sphagnum bogs. Iron Springs; Biol. Sta. Occasional.
- diandra Schrank. - Lesser Panicked Sedge - IC, IH. Sedge mats. Bohall Lake; east Twin Lake s. of Mary Lake; Floating Bog Bay; Garrison Point. Common.
- disperma Dewey - C, IC. Sphagnum hummocks in tamarack bogs. Common.
- flava L. var. fertilis Peck - C, IB, IC. Sandy lake shores. Bohall Lake; Morrison Lake; Wapatus Lake. Locally common.
- foenea Willd (C. siccata Dewey, B. & B., 1952) - IC. Dry open pine forests. Peace Pipe Springs. Rare.
- gracillima Schwein. - C, IC. Mixed or deciduous woodland.
Common.
- granularis Muhl. var. haleana (Olney) Porter - C, IC. Lake shores, swales. Bohall Trail; Peace Pipe Springs; bank of drainage ditch 2.3 miles n. of Clearbrook.
Rare.

- gynocrates Wormsk. - C, IC. Sphagnum hummocks. Floating Bog Bay; Iron Springs. Common.
- houghtonii Torr. - IC. Sandy soil, pine forests. Gravel pit, park drive. Rare.
- hystericina Muhl. - Porcupine Sedge - C, IC. Low ground, wet soil. Very common.
- interior Bailey - C, IC, IH. Sphagnum bogs. Common.
- intumescens Rudge var. fernaldii Bailey - Bladder Sedge - IC. Margins of woodland pools. Bear Paw Point. Occasional.
- lacustris Willd. - IC. Sedge meadows. Very common.
- lanuginosa Michx. - Woolly Sedge - C, IB, IH. Sedge meadows. Occasional.
- lasiocarpa Ehrh. var. americana Fern. - Slender Sedge; Wire grass - IC, IH. Sedge mats and at center of sedge meadows. Common.
- leptalea Wahl. - C, IC. Sphagnum bogs. Common.
- limosa L. - C, IC, IH. Wet meadows and sedge mats. Floating Bog Bay; Iron Springs; pond e. of Twin Lakes s. of Mary Lake. Occasional.
- livida (Wahl.) Willd. var. grayana Dewey - C. Wet meadows. 6.2 miles n. of Clearbrook. Rare.
- paupercula Michx. var. pallens Fern. - Bog Sedge - C, IC, IH. Sphagnum bogs. Common.
- peckii Howe - C, IC. Deciduous woods and sphagnum bogs. Occasional.
- pedunculata Muhl. - Long-stalked Sedge - C, IC. Dry, coniferous forest. Occasional.
- pennsylvanica Lam. - Pennsylvania Sedge - IC. Open woodland. Very common.
- prairea Dewey - C, IH. Sedge meadows. Iron Springs; La Salle Springs. Locally common.
- projecta Mack. - IC, IH. Sedge marshes. Darling Pond. Rare.
- pseudo-cyperus L. - Cyprus-like Sedge - IC. Margins of lakes and sloughs. Common.
- retrorsa Schwein. - Retrorsed Sedge - C, IC. Borders of woodland pools. Common.
- richardsonii R. Br. - IC, IH. Jack Pine or Red Pine forest floor. La Salle Springs; Peace Pipe Springs. Occasional.
- rosea Schkuhr - C. Deciduous or mixed forest. Clearwater River crossing, 5.6 miles n., 3 miles e. of Clearbrook. Rare.
- rostrata Stokes var. utriculata (Boott) Bailey - Beaked Sedge - IC. Sedge meadows. Very common.
- sartwellii Dewey - C, IC. Sedge meadows. 2.3 miles n. of Clearbrook; Bear Paw Point; Lower Red Lake; Morrison Lake. Locally common.
- saximontana Mack. - IC. Hardwood forests. SW, SE 1/4, Sect. 10. Rare.
- scoparia Schkuhr - Pointed Broom Sedge - C, IB, IC. Often in sandy soil along lake shores and water courses. De Soto Lake; Wapatus Lake. Occasional.

- sprengellii* Dewey - Long-beaked Sedge - IC. Low places
 in mixed forest, Wegman farm. Rare.
stipata Muhl. - C, IC. Sedge meadows and along water
 courses. Common.
stricta Lam. - Tussock Sedge. Sedge meadows. Common.
 var. *stricta* - C, IC, IH.
 var. *strictior* (Dewey) Carey - IC.
synchocephala Carey - C, IB. Edges of lakes and streams.
 Rare.
tenera Dewey - C, IC. Hillsides and openings in dry forests.
 Peace Pipe Springs. Occasional.
tenuiflora Wahl. - IC, IH. Sphagnum bogs. Garrison Point;
 spruce-tamarack bog s.e. of Mary Lake. Rare.
tetanica Schkuhr - C. Wet meadows. 6.2 miles n. of Clear-
 brook. Locally common.
tribuloides Wahl. - Blunt Broom Sedge - IB. Sedge meadows.
 Rare.
trisperma Dewey - IC, IH. Tamarack bogs. Garrison Point;
 Twin Lakes s. of Mary Lake. Occasional.
tuckermanni Dewey - IC. Low places in deciduous or mixed
 forests. Bohall Trail; Public camp ground, Lake
 Itasca. Occasional.
umbellata Schkuhr - C, IC, IH. Jack Pine forest. Common.
vaginata Tausch - C, IC. Sphagnum bogs. Iron Springs.
 Occasional.
vesicaria L. - Inflated Sedge - C, IC. Edges of woodland
 pools. Biol. Sta. Common.
viridula Michx. IB. Sandy shores. Morrison Lake. Locally
 common.
vulpinoideae Michx. - Fox Sedge - C, IB, IC. Sedge meadows
 and sandy lake shores. Common.

Cyperus - *Cyperus*

- engelmanni* Steud. - Engelmann's *Cyperus* - Sandy areas.
 Mississippi headwaters. Rare.
inflexus Muhl. - Awned *Cyperus* - IB, IC. Sandy lake shores
 and wet depressions. De Soto Lake; Gravel pit,
 Biol. Sta. Occasional.
rivularis Kunth - Shining *Cyperus* - IB, IC. Sandy lake
 shores. De Soto Lake; Lake Itasca at Douglas Lodge.
 Occasional.

Dulichium - *Dulichium*

- arundinaceum* (L.) Britt. - *Dulichium* - IC. Sedge mats near
 water's edge; sloughs. Very common.

Eleocharis - Spike Rush

- acicularis* (L.) R. & S. - Least Spike Rush - C, IB, IC.
 Lake shores, often in very shallow water or on mud
 banks. De Soto Lake.
calva Torr. - Marsh Spike Rush - IC, IH. Sedge mats and
 low depressions in meadows. Darling Pond; Missis-
 sippi headwaters. Occasional.

- compressa* Sulliv. - Flat-stemmed Spike Rush - C. Low, wet meadows. 5.6 miles n. of Clearbrook. Locally very common.
- intermedia* (Muhl.) Schultes - Matted Spike Rush - IC. Shore of Bohall Lake; Mink Lake. Very rare.
- macrostachya* Britt. - IB, IC. Shallow water. De Soto Lake; Lake Itasca. Common.
- optusa* (Willd.) Schultes - Blunt Spike Rush - B, C. Edges of lakes along Highway 113, s. edge of Itasca Park; depressions in woodland real, n.w. corner of Lower Red Lake. Locally common. *ovate head*
- olivacea* Torr. - Bright-green Spike Rush - IC. Muddy shores. Mink Lake. Rare.
- ovata* (Roth) R. & S. - Ovoid Spike Rush - IC, IH. Wet shores. Bohall Lake. Rare.
- palustris* (L.) R. and S. - IC. Wet meadows and shores. Common. *pointed head*

Eriophorum - Cotton Grass

- angustifolium* Honckeny - Tall Cotton Grass - C. Low meadows. 2.3 miles n. of Clearbrook. Occasional.
- chamissonis* C. A. Meyer - Russett Cotton Grass - IB, IH. Floating sedge mats. Fringes of small ponds e. of Twin Lakes; Morrison Lake. Occasional.
- gracile* Koch - Slender Cotton Grass - C, IC, IH. Sedge mats and bogs. Twin Lakes s. of Mary Lake; Iron Springs; Darling Pond. Common.
- spissum* Fern. - Sheathed Cotton Grass - IC. Tamarack bogs. West of n. arm of Lake Itasca. Very rare.
- tenellum* Nutt. - Delicate Cotton Grass - IH. Darling Pond. Very rare.
- viridicarinatum* (Engelm.) Fern. - Thin-leaved Cotton Grass - C, IC. Tamarack bogs. Iron Springs. Common.

Hemicarpha - Hemicarpha

- micrantha* (Vahl) Pax - Hemicarpha - IB. Sandy shores of De Soto Lake. Rare.

Scirpus - Bulrush *Americanus*

- acutus* Muhl. - Viscid Great Bulrush - IC. Lakes and marshes. Very common.
- atrocinctus* Fern. - IC. Wet meadows and ditches. Common.
- atrovirens* Willd. - Dark-green Bulrush - C, IC. Wet meadows and ditches. Common.
- cespitosus* L. var. *callosus* Bigel. - Tufted Club Rush - C. Low, wet meadows. 5.6 miles n. of Clearbrook. Locally common.
- clintonii* Gray - Clinton's Club Rush - IC. Sandy ridge in pine forest 0.5 mile w. of La Salle Springs. Very rare.
- cyperinus* (L.) Kunth - Wool Grass. Sedge meadows and along ditches. Common.
- var. *cyperinus* - IC.
- var. *pelius* Fern. - IC.

- fluviatilis* (Torr.) Gray - River Bulrush - IC. Shallow water. Mississippi River. Locally common.
rubrotinctus Fern. - IC. Wet soil along road banks and streams. Occasional.
smithii Gray f. *setosus* Fern. - Smith's Club Rush - IC. Lake shores. Bohall Lake; Mink Lake. Rare.
subterminalis Torr. - Water Club Rush - IC. Shallow water. Squaw Lake. Occasional.
torreyi Olney - Torrey's Bulrush - IC. Shore of North Twin Lake. Rare.
validus Vahl - American Great Bulrush - IC. Shallow water. Lake Itasca at Douglas Lodge; Mississippi River. Locally common.

DIPSACACEAE - Teasel Family

Knautia - Scabious

- arvensis* (L.) Duby - Field Scabious - C. Introduced into fields n. of Itasca Park.

DROSERACEAE - Sundew Family

Drosera - Sundew

- rotundifolia* L. - Round-leaved Sundew - IC, IH. Sphagnum hummocks and edges of lakes, especially on partially submerged, decaying logs. Common.

ELAEAGNACEAE - Oleaster Family

Shepherdia - Buffalo-berry

- argentea* Nutt. - Buffalo-berry - IC. Cult., Biol. Sta.

ERICACEAE - Heath Family

Andromeda - Bog Rosemary

- glaucophylla* Link - Bog Rosemary - C, IC, IH. Tamarack bogs. Common.

Arctostaphylos - Bearberry

- uva-ursi* (L.) Spreng. - Bearberry - Jack Pine woods. Common.
 var. *adenotricha* Fern. & Macbr. - C, IC.
 var. *coactilis* Fern. & Macbr. - IC.
 var. *uva-ursi* - C, IC, IH.

Chamaedaphne - Leather-leaf

- calyculata* (L.) Moench var. *angustifolia* (Ait.) Rehd. - Leather-leaf - IC. Cold bogs. Common.

Epigaea - Trailing Arbutus

- repens* L. - Trailing Arbutus - C, IC, IH. Jack Pine forest floor. La Salle Springs. Occasional.

Gaultheria - Wintergreen

hispidula (L.) Bigel. - Creeping Snowberry - IC, IH. Tamarack bogs. Common.

procumbens L. - Checkerberry; Aromatic Wintergreen - C, IC. Pine forests. Common.

Ledum - Labrador Tea

groenlandicum Oeder - Labrador Tea - IC, IH. Bogs. Common.

Vaccinium - Blueberry; Cranberry

angustifolium Ait. - Blueberry - C, IB, IC. Jack Pine forests. Very common.

cespitosum Michx. - Dwarf Bilberry - C, ^{IC,} IH. Jack Pine forests. North of La Salle Springs; gravel pit e. of Biol. Sta. Occasional.

macrocarpon Ait. - Large Cranberry - IH. Sedge mats, Darling Pond. Locally common; otherwise very rare.

myrtilloides Michx. - Velvet-leaf Blueberry - IC. Jack Pine forests. Common.

oxycoccus L. - Small Cranberry - C, IC. Sphagnum bogs. Common.

vitis-idaea L. var. minus Lodd. - Mountain Cranberry - C, IH. Bog n. of Lake Itasca P. O. Very rare.

EUPHORBIACEAE - Spurge Family

Euphorbia - Spurge

glyptosperma Engelm. - Ridge-seeded Spurge - C, IC. Dry roadsides. Common.

serpyllifolia Pers. - Thyme-leaved Spurge - IC. Weed in sandy soil. Gravel pit e. of Biol. Sta. Occasional.

FAGACEAE - Beech Family

Quercus - Oak

ellipsoidalis Hill - Northern Pin Oak - IC. Deciduous forest. Rare.

macrocarpa Michx. f. olivaeformis (Michx.) Trel. - Bur Oak - IC. Deciduous or mixed forests. Common

rubra L. var. borealis (Michx.) Farw. - Northern Red Oak - IC. Deciduous or mixed forests. Common.

GENTIANACEAE - Gentian Family

Gentiana - Gentian

andrewsii Griseb. - Closed Gentian; Bottle Gentian - IC. Lake shores or deciduous woods. Occasional.

crinita Froel. - Fringed Gentian - IC. Sedge meadows. Mississippi Headwaters. Rare.

procera Holm - Smaller Fringed Gentian - C. In woody cinquefoil bog about 2.3 miles n. of Clearbrook. Rare.

Halenia - Spurred Gentian
deflexa (Smith) Griseb. - Spurred Gentian - IC, IH. Coniferous forests. Common.

Menyanthes - Buckbean
trifoliata L. var. *minor* Raf. - Buckbean - C, IC, IH.
 Tamarack bogs and sedge mats. Common.

GERANIACEAE - Geranium Family

Geranium - Cranesbill
bicknellii Britt. - Bicknell's Cranesbill - IC, IH. Disturbed sites in Jack Pine forest. Occasional.
maculatum L. - Spotted Cranesbill; Wild Geranium - IC.
 Edges of upland woods. Common.

GRAMINEAE - Grass Family

Agropyron - Wheat Grass
cristatum (L.) Gaert. - Crested Wheat Grass - IH. Gravel pit, La Salle Springs. Introduced.
repens (L.) Beauv. - Quack Grass - C, IC. Clearings and roadsides. Common.
smithii Rydb. - Western Wheat Grass - C, IC. Meadows. Occasional.
trachycaulum (Link) Steud. - Slender Wheat Grass - Clearings and roadsides. Common.
 var. *glaucum* (Pease and Moore) Malte - C, IC, IH.
 var. *novae-angliae* (Scribn.) Fern. - IC, IH.
 var. *unilaterale* (Cassidy) Malte - IC, IH.

Agrostis - Bent Grass
alba L.
 var. *alba* - Redtop - IC. Low meadows. Common.
 var. *palustris* (Huds.) Pers. - Creeping Bent Grass - C. Muddy shores. Occasional.
scabra Willd. - Rough Bent Grass - C, IC, IH. Meadows and borders. Common.

Alopecurus - Foxtail
aequalis Sobol. - Short-awned Foxtail - C, IC. In drainage ditches and along muddy shores and edges of pools. Occasional.

Andropogon - Beard Grass; Bluestem
gerardi Vitman - Forked Beard Grass; Big Bluestem - IB. Hillsides and pastures. Occasional.
scoparius Michx. - Prairie Beard Grass; Little Bluestem - IB. Dry hillsides. De Soto Lake. Rare.

Beckmannia - Slough Grass
syzygachne (Steud.) Fern. - American Slough Grass - C.
 Along drainage ditches and lake shores. North by n.w. of Gonvick. Occasional.

Brachyelytrum - Short-husk

erectum (Schreb.) Beauv. var. *septentrionale* Babel -
Bearded Short-husk - IC. Deciduous and mixed wood-
lands. Occasional.

Bromus - Brome Grass

ciliatus L. - Fringed Brome Grass - Meadows and clearings.
Common.

var. *ciliatus* - IC.

var. *intonsus* Fern. - IC.

inermis Leyss. - Hungarian Brome Grass - IC. Meadows and
clearings. Common.

kalmii Gray - Kalm's Chess - IB, IC, IH. Dry forests.
Occasional.

latiglumis (Shear) Hitchc. - Tall Wood Chess - C, IC. Low
woodlands. Occasional.

Calamogrostis - Reed Grass; Blue-joint

canadensis (Michx.) Beauv. - Blue-joint Grass - IC. Low
meadows. Common. ^{Open}

inexpansa Gray var. *brevior* (Vasey) Stebbins - Bog Reed
Grass - C, IB, IC, IH. Sedge meadows and lake
shores. Common.

neglecta (Ehrh.) Gaertn. - Narrow Reed Grass - C, IH.
Sedge mats; low meadows. Common.

Calamovilfa - Reed Grass

longifolia (Hook.) Scribn. - Long-leaved Reed Grass - IB.
Sandy hillsides. De Soto Lake. Rare.

Cinna - Wood Reed Grass

latifolia (Trin.) Griseb. - Slender Wood Reed Grass - IC.
Hardwood forests; bogs. Bohall trail. Occasional.

Danthonia - Wild Oat Grass

spicata (L.) Beauv. - Common Wild Oat Grass - C, IC. Jack
Pine forest. Common.

Digitaria - Crab Grass

ischaemum (Schreb.) Muhl. - Small Crab Grass - C, IB. Dis-
turbed, dry soil. De Soto Lake; Lower Red Lake.
Occasional.

Echinochloa - Barnyard Grass

pungens (Poir.) Rydb. - C, IC. Weed in disturbed soil.
Gravel pit e. of Biol. Sta. Occasional.

schusgate

Elymus - Wild Rye

canadensis L. - Nodding Wild Rye - C, IH. Deciduous or
mixed woodlands and margins. Common.

interruptus Buckl. - IB, IC, IH. Deciduous or mixed wood-
lands. Common.

virginicus L. - Virginia Wild Rye - Mixed woodlands.
Occasional.

var. jejunis (Ramaley) Bush - C. Lower Red Lake.

var. submuticus Hook. - IC. Bear Paw Point.

Eragrostis - Love Grass

megastachya (Koel.) Link - Hair Love Grass - C, IC. Sandy,
disturbed sites. Occasional.

pectinacea (Michx.) Nees - Pursh's Love Grass - IC. Sandy,
disturbed sites. Douglas Lodge. Rare.

Festuca - Fescue Grass

elatiior L. - Meadow Fescue Grass - IH. Along ditch, Twin
Lakes s. of Mary Lake. Introduced. Rare.

obtusa Biehler - Nodding Fescue Grass - C. Mesic woods.
Crossing of Clearwater River n.e. of Clearbrook;
w. shore of Lower Red Lake. Occasional.

ovina L. (including F. saximontana Rydb.) - Sheep's Fescue
Grass - IC. Open pine woods. Common.

rubra L. - Red Fescue Grass - IC. Hill, Wegman farm, n.e.
side of Lake Itasca. Locally common.

Glyceria - Manna Grass

borealis (Nash) Batchelder - Northern Manna Grass - IC.
Lake shores, often in shallow water. Common.

canadensis (Michx.) Trin. - Rattlesnake Grass - IB, IC (fat)
Around woodland ponds and along lake shores. Common.

grandis Wats. - Reed Meadow Grass - IC. Wet meadows;
shores. Common.

pallida (Torr.) Trin. - Pale Manna Grass - IC. NW, SW 1/4,
Sect. 1. Ash swamp. Rare.

striata (Lam.) Hitchc. - Nerved Manna Grass. - Wet wood-
lands and shores.

var. striata - C, IC, IH. Common.

var. stricta - IC. Floating Bog Bay. Occasional.

Hordeum - Barley

jubatum L. - Squirrel-tail Grass - IC. Moist meadows.
Rare.

Hystrix - Bottle-brush Grass

patula Moench - Bottle-brush Grass - IC. Deciduous woods.
Bear Paw Point. Common.

Koeleria - Crested Hair Grass

crinata (L.) Pers. - Crested Hair Grass - IC, IH. Red
Pine forests. Twin Lakes s. of Mary Lake; La Salle
Trail. Occasional.

Leersia - Cut Grass

oryzoides (L.) Swartz - Rice Cut Grass - IC. Borders of
lakes and streams. Morrison Lake; small lake .2
mile n. of Squaw Lake. Common.

Lolium - Darnel

multiflorum Lam. - Italian Rye Grass - IC. Old tourist camp near Mississippi headwaters. Rare.

Milium - Millet Grass

effusum L. - Tall Millét Grass - C, IC. Moist banks, woodlands. Occasional.

Muhlenbergia - Satin Grass

glomerata (Willd.) Trin. - Wild Timothy. - Dry to moist woods and sedge mats.

var. *cinnoides* (Link) F. J. Herm. - IC. Peaty meadow n. of La Salle road. Rare.

var. *glomerata* - C, IC, IH. Biol. Sta.; Bohall Lake; Twin Lakes s. of Mary Lake; w. shore of Lower Red Lake. Common.

mexicana (L.) Trin. - C, IB, IC. Wet places. Gravel pit e. of Biol. Sta.; Bear Paw Point; De Soto Lake. Occasional.

Oryzopsis - Mountain-rice

asperifolia Michx. - Rough-leaved Mountain-rice - IC. Moist, deciduous or mixed forests. Common.

pungens (Torr.) Hitchc. - IC. Jack Pine forest. Common.

racemosa (Sm.) Ricker - Black-fruited Mountain-rice - IB, IC. Deciduous or mixed forests. Biol. Sta.; De Soto Lake. Occasional.

Panicum - Panic Grass

capillare L. - Witch Grass - IB, IC, Disturbed, dry sites. Occasional.

depauperatum Muhl. var. *psilophyllum* Fern. - IC, IH. Jack Pine forests. Occasional.

lanuginosum Ell.

var. *fasciculatum* (Torr.) Fern. - C, IB, IC. Sandy sites. Bohall Lakes, De Soto Lake; Morrison Lake. Common.

var. *implicatum* (Scribn.) Fern. - IH. Mixed forest near La Salle Springs. Rare.

var. *septentrionale* (Fern.) Fern. - IB, IH. Sandy sites. Twin Lakes s. of Mary Lake; Morrison Lake. Occasional.

leibergii (Vasey) Scribn. - Leiberg's Panic Grass - C, IC, IH. Sandy areas, woods and meadows. Occasional.

linearifolium Scribn.

var. *linearifolium* - C, IB, IC. Sandy sites. Near gravel pit, La Salle Springs. Occasional.

var. *wernerii* (Scribn.) Fern. - Werner's Panic Grass - IC, IH. Sandy sites. La Salle Trail; La Salle Springs. Common.

oligosanthes Schultes var. *scribnerianum* (Nash) Fern. - Scribner's Panic Grass - IC. Jack Pine forest. Occasional.

perlongum Nash - Long-stalked Panic Grass - IC. Under Red Pine, Bohall Lake. Rare.

praecocius Hitchc. & Chase - IC. Dry soil. Lake Itasca.
Rare.

subvillosum Ashe - IC. Mixed forest. Biol. Sta.; Floating
Bog Bay. Occasional.

virgatum L. - Switch Grass - IC. Meadows. Biol. Sta.
Occasional.

xanthophyllum Gray - Slender Panic Grass - IC, IH. Jack
Pine forest. La Salle Trail; La Salle Springs.
Common.

Phalaris - Canary Grass

arundinacea L. - Reed Canary Grass - IC. Wet meadows.
Common.

Phleum - Timothy

pratense L. - Timothy - IC. Moist to dry meadows. Common.

Phragmites - Reed

communis Trin. var. *berlandieri* (Fourn.) Fern. - Common
Reed Grass - IC. Lake shores and sloughs. Common.

Poa - Blue Grass; Meadow Grass

annua L. - Annual Meadow Grass - IC. Disturbed soil.
Biol. Sta. Common.

compressa L. - Canada Blue Grass - IC, IH. Dry hillsides,
woods. Common.

languida Hitchc. - IC, IH. Deciduous or mixed forests.
Biol. Sta.; Bohall Trail; La Salle Trail; La Salle
Springs. Locally common.

palustris L. - Fowl Meadow Grass - C, IC. Moist woods and
pond borders. Very common.

pratensis L. - June Grass; Kentucky Blue Grass - IC.
Meadows. Very common.

Schizachne - False Melic Grass

purpurascens (Torr.) Swallen - False Melic Grass - IC.
Coniferous or mixed forests. Common.

Secale - Rye

cereale L. - Rye - IC, IH. Introduced along roadways.
Common.

Setaria - Bristle Grass; Pigeon Grass

glauca (L.) Beauv. - Yellow Pigeon Grass - IC. Disturbed
borders and fields. Common.

viridis (L.) Beauv. - Green Foxtail - C, IC. Disturbed
sites. Common.

Spartina - Cord Grass

pectinata Link - Prairie Cord Grass - IC. Edges of lakes and
and sloughs. Bohall Lake. Occasional.

Sphenopholis - Wedge Grass

intermedia (Rydb.) Rydb. - Slender Wedge Grass - C, IB, IH.
Wet places; meadows and shores. Common.

Sporobolus - Drop-seed; Rush Grass

cryptandrus (Torr.) Gray - Sand Drop-seed - C. Well-drained soil; meadows. Gravel pit 4.3 miles w. of Zerkel. Rare.

Stipa - Needle Grass; Porcupine Grass

spartea Trin. - Porcupine Grass - C, IB. Sandy hillsides and meadows. De Soto Lake; w. side of Lower Red Lake just n. of Red Lake R. crossing. Locally common.

Zizania - Wild Rice; Indian Rice

aquatica L. - Wild Rice - Shallow water, borders of lakes and streams. Very common.

var. *angustifolia* Hitchc. - Northern Wild Rice - IC.

var. *interior* Fassett - Broad-leaved Wild Rice - IC.

GUTTIFERAE (HYPERICACEAE) - St. John's-wort Family**Hypericum - St. John's-wort**

majus (Gray) Britt. - Larger Canadian St. John's-wort - C, IC, IH. Marshes and lake shores. Darling Pond; Mink Lake; Squaw Lake. Common.

virginicum L. var. *fraseri* (Spach) Fern. - Marsh St. John's wort - IC, IH. Sedge mats. Common.

HALORAGIDACEAE - Water-milfoil Family**Myriophyllum - Water-milfoil**

exalbescens Fern. - Spiked Water-milfoil - IB, IC. Hydrophyte. Squaw Lake; De Soto Lake; Lake Itasca. Common.

verticillatum L. var. *pectinatum* Wallr. - Whorled Water-milfoil - C, IC. Hydrophyte. Squaw Lake; crossing of Wild Rice River, 3.8 miles w. of Zerkel. Common.

HIPPURIDACEAE - Mare's-tail Family**Hippuris - Mare's-tail**

vulgaris L. - Mare's-tail - C. Emergent aquatic in lakes and sloughs. (Common in Lost Lake, La Salle Creek valley just n.e. of Itasca Park, Hubbard Co.). Occasional.

HYDROCHARITACEAE - Frog's Bit Family**Elodea - Waterweed**

canadensis Michx. - Canada Waterweed - IC. Hydrophyte. Lakes and streams. Mississippi R. Common.

HYDROPHYLLACEAE - Water-leaf Family**Hydrophyllum - Water-leaf**

virginianum L. - Virginia Water-leaf - C. Deciduous woods. West side of Lower Red Lake. Locally common.

IRIDACEAE - Iris Family

Iris - Iris

versicolor L. - Blue Flag - IC. Marshes, sedge mats and lake shores. Very common.

Sisyrinchium - Blue-eyed Grass

montanum Greene - Pointed Blue-eyed Grass - IC. Low places in meadows. Common.

JUNCACEAE - Rush Family

Juncus - Rush

alpinus Vill. - Marshy soil and banks; lake shores. Morrison Lake; De Soto Lake. Locally common.

var. fuscescens Fern. - C, IB, IC.

var. rariflorus Hartm. - IB.

balticus Willd. var. littoralis Engelm. - Baltic Rush - IB.

Lake shores and salt marshes, often in shallow water. De Soto Lake; Morrison Lake. Occasional.

brevicaudatus (Engelm.) Fern. - Narrow-panicled Rush -

~~C, IB, IC, IH.~~ Sedge mats and sandy shores.

Darling Pond; De Soto Lake; Morrison Lake; Wapatus Lake. Occasional.

bufonius L. - Toad Rush - C, IB, IC. Low, sandy roadways and shores. Lake Itasca at Douglas Lodge.

Occasional.

canadensis J. Gay - Canada Rush - IC. "Shore of Lower Twin Lake." Rare.

dudleyi Wieg. - Dudley's Rush - C, IB, IC. Wet shores.

Bohall Lake; De Soto Lake; Morrison Lake. Common.

effusus L. var. pylaei (Laharpe) Fern. & Wieg. - C.

Shallow water, lake margins. Wapatus Lake. Locally common.

nodosus L. - Knotted Rush - C, IC. Along streams and drainage ditches. Mississippi R.; n. of Gonvick.

Common.

pelocarpus Meyer - Brown-fruited Rush - IB, IC. Sandy

shores. "Lower Twin Lake"; Twin Island Lake. Rare.

tenuis Willd. - Slender Rush.

var. tenuis - IB, IC. Meadows and openings in woods.

Biol. Sta., etc. Common.

var. williamsii Fern. - IC. NE, SW 1/4, Sect. 1.

Aspen woods. Rare.

vaseyi Engelm. - Vasey's Rush - IC. Sedge meadow. North boundary, Itasca Park. Rare.

Luzula - Wood Rush

acuminata Raf. - Hairy Wood Rush - IC. Moist, deciduous or mixed woodland. Common.

multiflora (Retz.) Lejeune - Upright Wood Rush - IC. Poplar forests; sedge meadows. North boundary, Itasca Park. Rare.

JUNCAGNINACEAE - Arrow Grass Family

Scheuchzeria - Scheuchzeria

palustris L. var. *americana* Fern. - IC, IH. Sedge mats.
Floating Bog Bay; 0.5 mile s.e. of Mary Lake.
Common.

Triglochin - Arrow Grass

maritima L. - Seaside Arrow Grass - C, IC, IH. Sedge mats
and marshes. Floating Bog Bay; 0.5 mile s.e. of
Mary Lake; Iron Springs. Common.

palustris L. - Marsh Arrow Grass - C. Marshes. Along
drainage ditch 2.2 miles n. of Clearbrook. Rare.

LABIATAE - Mint Family

Agastache - Giant Hyssop

foeniculum (Pursh) Ktze. - Fragrant Giant Hyssop
IC. Meadows and forest openings. Common.

Dracocephalum - Dragon-head

parviflorum Nutt. (*Moldavica parviflora* (Nutt.) Britt.,
B. & B., 1952) - American Dragon-head - C, IC.
Weed in disturbed soil. Occasional.

Galeopsis - Hemp Nettle

tetrahit L. - Hemp Nettle - IC. Weed in disturbed soil.
Occasional.

Glechoma - Ground Ivy; Creeping Charley

hederacea - Gill-over-the-ground; Creeping Charley - IC.
Disturbed sites, often near dwellings. Douglas
Lodge. Occasional.

Lycopus - Water Horehound; Bugle Weed

~~*americanus*~~ Muhl. - Cut-leaved Water Horehound - IB. Bogs
and sedge mats. De Soto Lake. Common.

uniflorus Michx. - Northern Bugle Weed - IC. Bogs and
sedge meadows. Common.

^{asper}
Mentha - Mint

arvensis L. var. *villosa* (Benth.) Stew. - American Wild
Mint - IC. Meadows and shores. Common.

Monarda - Horse Mint; Bergamot

fistulosa L. var. *mollis* (L.) Benth. - Wild Bergamot - C.
Pastures and open woods. Occasional.

Nepeta - Cat Mint

cataria L. - Catnip - IC. Weed in disturbed soil, often
near dwellings. Occasional.

Physostegia - Lion's Heart; False Dragon-head

- virginiana* (L.) Benth. var. *speciosa* (Sweet) Gray (*Dracocephalum formosius* (Lunell) Rydb., B. & B., 1952)
- Western Lion's Heart - C, IC. Marshes.
Occasional.

Prunella - Self-heal; Heal-all

- vulgaris* L. var. *lanceolata* (Bart.) Fern. - Heal-all - IC.
Weed in lawns and along roadways. Occasional.

Scutellaria - Skullcap

- epilobifolia* Hamilt. - Marsh Skullcap - IC. Shores and marshes. Common.
lateriflora L. - Mad-dog Skullcap - IC. Bogs and marshes. Common.

Stachys - Hedge Nettle

- palustris* L. - Woundwort - C, IC. Shores and marshes.
Common.

LEGUMINOSAE - Pulse Family

Amphicarpa - Hog Pea-nut

- bracteata* (L.) Fern. - Hog Pea-nut - IC. Deciduous forests.
Common.

Astragalus - Milk Vetch

- canadensis* L. - Canadian Milk Vetch - C, IB, IC, IH.
Meadows and forest openings. Morrison Lake; La Salle Springs. Occasional.
neglectus (T. & G.) Sheld. - Cooper's Milk Vetch - IB, IC.
Sandy banks. Morrison Lake; De Soto Lake. Locally common.

Caragana - Siberian Pea Tree

- arborescens* Lam. - Siberian Pea Tree - IC. Cult., Biol. Sta.

Desmodium - Tick-trefoil

- canadense* (L.) DC. - Canadian Tick-trefoil - IC. Sandy shores. Morrison Lake. Rare.
glutinosum (Muhl.) Wood - Pointed-leaved Tick-trefoil - C, IB, IC. Hardwood forest. Common.

Lathyrus - Vetchling; Everlasting Pea

- ochroleucus* Hook. - Pale Vetchling - IC. Deciduous and mixed woodland. Common.
palustris L. - Marsh Vetchling - Marshes and wet prairies. Occasional.
var. *linearifolius* Ser. - IC. Mississippi headwaters.
var. *palustris* - IC. Floating Bog Bay.
venosus Muhl. var. *intonsus* Butters & St. John - Veiny Pea - IC. Woodland margins and openings. Common.

Lespedeza - Bush-clover

capitata Michx. - Round-headed Bush-clover - IC. Sandy shores and slopes. Morrison Lake. Rare.

Medicago - Medick

lupulina L. - Black Medick; Hop Clover - IC. Lawns, fields and roadsides. Common.

sativa L. - Alfalfa; Lucerne - C. Abandoned fields and roadsides. Common.

Melilotus - Sweet Clover; Melilot

alba Desr. - White Sweet Clover - C, IC. Fields and roadways. Common.

officinalis (L.) Lam. - Yellow Sweet Clover - C. Fields and roadways. Common.

Petalostemum - Prairie-clover

candidum (Willd.) Michx. - White Prairie-clover - C. Sandy meadows. 143 N, 37 W, Sect. 30, 6 miles w. of Itasca Park. Rare.

purpureum (Vent.) Rydb. - Purple Prairie-clover - IB, IC. Sandy places. De Soto Lake; Squaw Lake. Rare.

Trifolium - Clover

hybridum L. - Alsike Clover - IC. Fields and pastures. Biol. Sta. Occasional.

pratense L. - Red Clover - IC. Fields and pastures. Common.

repens L. - White Clover - IC. Lawns and pastures. Common.

Vicia - Vetch

americana Muhl. - American Vetch - C, IC. Woodlands, grasslands and edges of marshes. Common.

LEMNACEAE - Duckweed Family

Lemna - Duckweed

minor L. - Lesser Duckweed - IC. Aquatic. Ponds and lakes. Very common.

perpusilla Torr. - Minute Duckweed - IC. Aquatic. Lakes and Streams. Mississippi headwaters. Occasional.

trisulca L. - Ivy-leaved Duckweed - IC. Immersed aquatic. Ponds, lakes and streams. Very common.

Spirodela - Greater Duckweed

polyrhiza (L.) Schleid. - Greater Duckweed - IC. Aquatic. Lakes and streams. Common.

Wolffia - Wolffia

columbiana Karst. - Columbia Wolffia - C. Minute aquatic. Anderson Lake. Rare.

LENTIBULARIACEAE - Bladderwort Family

Utricularia - Bladderwort

- gibba* L. - Humped Bladderwort - IC. Low places in sedge mats. Squaw Lake. Rare.
- intermedia* Hayne - Flat-leaved Bladderwort - IC. Openings in sedge mats. Floating Bog Bay; Schoolcraft Island. Occasional.
- minor* L. - Lesser Bladderwort - IH. Low spot in cranberry bog. Darling Pond. Very rare.
- vulgaris* L. - Greater Bladderwort - IC. Shallow woodland pools; protected bays. Common.

LILIACEAE - Lily Family

Asparagus - Asparagus

- officinalis* L. - Asparagus - IC. Escaped cultivation. Occasional.

Clintonia - Clintonia

- borealis* (Ait.) Raf. - Yellow Clintonia - IC. Tamarack-spruce bogs; mixed forests. Common.

Lilium - Lily

- philadelphicum* L. var. *andinum* (Nutt.) Ker - Wood Lily - IC. Jack Pine forests. Occasional.

Maianthemum - False Lily-of-the-Valley

- canadense* Desf. var. *interius* Fern. - False Lily-of-the-Valley - IC. Mixed forests. Common.

Polygonatum - Solomon's Seal

- canaliculatum* (Muhl.) Pursh - Giant Solomon's Seal - C. Open woodlands. 3.0 miles n. - n.w. of Gonvick. Rare.
- pubescens* (Willd.) Pursh - Hairy Solomon's Seal - C, IC. Hardwood and mixed forests. Schoolcraft Island. Occasional.

Smilacina - False Solomon's Seal

- racemosa* (L.) Desf. - False Solomon's Seal - C, IC. Deciduous and mixed woods. Common.
- stellata* (L.) Desf. - Star-flowered False Solomon's Seal - IC. Moist woods. Common.
- trifolia* (L.) Desf. - Three-leaved False Solomon's Seal - C, IC, IH. Sphagnum bogs. Common.

Smilax - Carrion-flower; Green Brier

- ecirrhata* (Engelm.) Wats. - Upright Carrion-flower - IC. Moist woodlands. Rare.
- lasioneura* Hook. - Hairy Carrion-flower - C, IC. Moist woodlands and fields. Occasional.

Streptopus - Twisted-stalk
 roseus Michx. var. longipes (Fern.) Fassett - Sessile-
 leaved Twisted-stalk - IC. Mixed woods. Common.

Tofieldia - Tofieldia; False Asphodel
 glutinosa (Michx.) Pers. - Tall False Asphodel - C. Bogs
 and marshes. Iron Springs; old lake bed 6.3 miles
 n. of Clearbrook. Rare.

Trillium Trillium; Wake-robin
 cernuum L. var. macranthum Wieg. - Nodding Wake-robin - IC.
 Moist woods. Hillsides along Lake Itasca near
 Douglas Lodge. Occasional.
 grandiflorum (Michx.) Salisb. - Large-flowered Wake-robin
 - IC. Moist woods. Peace Pipe Springs.
 Occasional.

Uvularia - Bellwort
 grandiflora Smith - Large-flowered Bellwort - C, IC. Deci-
 cuous and mixed forests. Common.
 sessilifolia L. - Sessile-leaved Bellwort - IC. Deciduous
 or mixed forests. Common.

LINACEAE - Flax Family

Linum - Flax
 lewisii Pursh - C. Escaped cultivation. Road bank, 0.2
 mile w. of Lake Itasca Post Office. Rare.
 usitatissimum L. - Flax; Linseed - C. Escaped cultivation.
 Common.

LOBELIACEAE - Lobelia Family

Lobelia - Lobelia
 kalmii L. - Kalm's Lobelia - C, IB, IC. Sandy shores and
 marshy prairies. Morrison Lake. Occasional.
 siphilitica L. var. ludoviciana DC. - Great Lobelia - IB,
 IC. Sandy shores. De Soto Lake; Morrison Lake;
 Squaw Lake. Rare

LORANTHACEAE - Mistletoe Family

Arceuthobium - Small Mistletoe
 pusillum Peck - Small Mistletoe - IC. Parasitic on Black
 Spruce. Common.

MALVACEAE - Mallow Family

Malva - Mallow
 rotundifolia L. - Common Mallow - IC. Weed in disturbed
 soil. Biol. Sta. Rare.

MENISPERMACEAE - Moonseed Family

Menispermum - Moonseed

canadense L. - Yellow Parilla - IC. Deciduous forest. Bear Paw Point. Rare.

NAJADACEAE - Naiad Family

Najas - Bushy Pondweed; Naiad

flexilis (Willd.) Rostk. & Schmidt - Slender Naiad - IC. Aquatic. Common.

gracillima (A. Br.) Magnus - Thread-like Naiad - IC. Aquatic. Green Lake. Rare.

NYCTAGINACEAE - Four-o'clock Family

Mirabilis - Umbrellawort

nyctaginea (Michx.) MacM. - Heart-leaved Umbrellawort - C. Embankments and waste places. Shevlin. Occasional.

NYMPHAEACEAE - Water Lily Family

Brasenia - Water Shield

schreberi Gmel. - Water Shield - IC, IH. Quiet, shallow ponds and lakes. Deming Lake; Squaw Lake; Green Lake. Common.

Nuphar - Pond Lily; Spatter Dock

variegatum Engelm. - Large Yellow Pond Lily - IC. Lakes and ponds. Very common.

Nymphaea - Water Lily

tuberosa Paine - Large Water Lily; Tuberous White Water Lily - IC, IH. Lakes and ponds. Very common.

OLEACEAE - Olive Family

Fraxinus - Ash

nigra Marsh. - Black Ash - IC. Swamps. Common.

pennsylvanica Marsh. Uplands. Common.

var. pennsylvanica - Red Ash - IC

var. subintegerrima (Vahl.) Fern. - Green Ash - IC

Syringa - Lilac

vulgaris L. - Lilac - IC. Cult., Wegman farm.

ONAGRACEAE - Evening Primrose Family

Circaea - Enchanter's Nightshade

alpina L. - Smaller Enchanter's Nightshade - IC. Bogs and wet banks. Common.

quadrisulcata (Maxim.) Franch. & Sav. var. canadensis (L.) Hara - Enchanter's Nightshade - IC. Deciduous forest. Douglas Lodge. Occasional.

Epilobium - Willow-herb

- angustifolium* L. - Fireweed; Great Willow-herb - IH. Open woodlands. Common.
- ciliatum* Raf. - IC. Swamp across Lake Itasca from Biol. Sta. Rare.
- coloratum* Biehler - IB, IC. Bogs. Rare
- glandulosum* Lehm. var. *adenocaulon* (Hausk.) Fern. - Northern Willow-herb - IC. Bogs, marshes and sedge mats. Common.
- leptophyllum* Raf. - Linear-leaved Willow-herb - IC. Bogs, marshes and sedge mats. Common.
- palustre* L. - Marsh Willow-herb - C, IC, IH. Bogs, Floating Bog Bay; La Salle Springs. Rare.
- strictum* Muhl. - Downy Willow-herb - IH. Sedge mat, s. end of Mary Lake. Rare.

Oenothera - Evening-primrose

- biennis* L. - Common Evening-primrose - IC. Roadsides and thickets. Common.
- nuttallii* Sweet - Nuttall's Evening-primrose - C. Sandy sites. Shevlin. Rare.
- parviflora* L. - Northern Evening-primrose - IC. Poplar forest, Squaw Lake. Rare.

ORCHIDACEAE - Orchid Family

Calopogon - Grass Pink

- pulchellus* (Salisb.) R. Br. - Grass Pink - IH. Tamarack bogs. 0.5 mile s.e. of Mary Lake. Rare.

Calypso - Calypso

- bulbosa* (L.) Oakes - Calypso; Fairy Slipper - IC. Margins of bogs. Garrison Point. Very rare.

Corallorrhiza - Coral Root

- maculata* Raf. - Spotted Coral Root - C, IC. Duff under pines. Nicollet Cabin. Rare.
- striata* Lindl. - Striped Coral Root - IC. Duff under pines. Peace Pipe Springs; Camp ground, Lake Itasca. Occasional.
- trifida* Chat. - Early Coral Root - C, IC, IH. Sphagnum bogs. Common.

Cypripedium - Lady Slipper; Moccasin Flower

- acaule* Ait. - Stemless Lady Slipper; Pink Moccasin Flower - C, IC, IH. Sphagnum bogs; Jack Pine forest. Iron Springs; 0.5 mile s.e. of Mary Lake. Locally common.
- arietinum* R. Br. - Ram's head Lady Slipper - IC. Sandy hillside under pines. Peace Pipe Springs. Rare.

calceolus L.

var. *parviflorum* (Salisb.) Fern. - Small Yellow Lady Slipper - C, IC. Bogs. Common.

var. *pubescens* (Willd.) Correll - Large Yellow Lady Slipper - C, IC. Deciduous forests. Common.

reginae Walt. - Showy Lady Slipper - IC. Bogs. Common.

Goodyera - Rattlesnake Plantain

repens (L.) R. Br. var. *ophioides* Fern. - Lesser Rattlesnake Plantain - IC. Bogs; pine woods. Iron Springs; La Salle Springs. Occasional.

tesselata Lodd. - Tesselated Rattlesnake Plantain - IH. Bogs. La Salle Springs; Twin Lakes. Rare.

Habenaria - Habenaria; Rein Orchid

dilatata (Pursh) Hook. - Tall Leafy White Orchid - C, IH. Bogs. Twin Lakes s. of Mary Lake; Iron Springs. Occasional.

hookeri Torr. - Hooker's Orchid - C, IH. Low spots in Jack Pine woods. La Salle Springs; 2.4 miles n. of Lake Itasca P. O. Rare.

hyperborea (L.) R. Br. - Tall Leafy Green Orchid - C, IC. Bogs. Common.

media (Rydb.) Niles - IC, IH. Reputed hybrid: *H. dilatata* X *H. hyperborea*. Bogs. Floating Bog Bay; 0.5 mile s.e. of Mary Lake. Occasional.

obtusata (Pursh) Richards. - Blunt-leaved Orchid - C, IC. Bogs. Floating Bog Bay. Common.

orbiculata (Pursh) Torr. - Large Round-leaved Orchid - C, IC, IH. Bogs. Floating Bog Bay; 0.5 mile s.e. of Mary Lake. Rare.

viridis R. Br. var. *bracteata* (Muhl.) Gray - Bracted Orchid - C, IC. Deciduous forest. Rare.

Liparis - Twayblade

loeselii (L.) Rich. - Loesel's Twayblade - IC, IH. Bogs. Mary Lake; Twin Lakes s. of Mary Lake; w. side of Lake Itasca. Occasional.

Listera - Lister's Twayblade

cordata (L.) R. Br. - Heart-leaved Twayblade - C, IC, IH. Sphagnum bogs. Garrison Point; Floating Bog Bay; 0.5 mile s.e. of Mary Lake. Occasional.

Malaxis - Adder's Mouth

brachypoda (Gray) Fern. - White Adder's Mouth - C, IC, IH. Sphagnum bogs. Floating Bog Bay; 0.5 mile s.e. of Mary Lake. Rare.

paludosa (L.) Sw. - Bog Adder's Mouth - C, IC. Sphagnum bogs. Floating Bog Bay; Iron Springs. Rare.

unifolia Michx. - Green Adder's Mouth - C, IC, IH. Sphagnum bogs. Floating Bog Bay; Twin Lakes s. of Mary Lake. Rare.

Orchis - Orchis

rotundifolia Banks - Small Round-leaved Orchis - C, IC, IH.
Sphagnum bogs. Floating Bog Bay; 0.5 mile s.e. of
Mary Lake; Iron Springs. Locally common.

Pogonia - Pogonia

ophioglossoides (L.) Ker - Rose Pogonia - IH. Sphagnum bogs.
0.5 mile s.e. of Mary Lake. Rare.

Spiranthes - Ladies' Tresses

lacera Raf. - Slender Ladies' Tresses - IC. Jack Pine
forest. La Salle Trail. Rare.

romanzoffiana Cham. - Hooded Ladies' Tresses - IH.
Sphagnum bogs. 0.5 mile s.e. of Mary Lake. Rare.

PAPAVERACEAE - Poppy Family

Corydalis - Corydalis

aurea Willd. - Golden Corydalis - IC. Disturbed, open
soil. Occasional.

sempervirens (L.) Pers. - Pale Corydalis; Pink Corydalis -
IC. Disturbed soil. Occasional.

PHRYMACEAE - Lopseed Family

Phryma - Lopseed

leptostachya L. - Lopseed - IC. Low, deciduous woodlands.
Bear Paw Point. Common.

PLANTAGINACEAE - Plantain Family

Plantago - Plantain

lanceolata L. - Rib-grass - IC. Weed. Occasional.

major L. - Common Plantain - IC. Door yards; roadsides.
Very common.

rugelii Dcne. - Rugel's Plantain - C. Weed. 4.5 miles w.
2.1 miles s. of Zerkel. Rare.

POLEMONIACEAE - Phlox Family

Collomia - Collomia

linearis Nutt. - Narrow-leaved Collomia - IB. Dry road-
sides and disturbed soil in forest openings. Rare.

POLYGALACEAE - Milkwort Family

Polygala - Milkwort

senega L. - Seneca Snake-root - C, IH. Jack Pine forests.
La Salle Springs. Occasional.

POLYGONACEAE - Buckwheat Family

Fagopyrum - Buckwheat

sagittatum Gilib. - Buckwheat - IC. Escaped cultivation.

Polygonum - Knotweed; Smartweed

- achoreum Blake - Blue Knotweed - C, IC. Roadside weed.
Biol. Sta. Common.
- amphibium L. var. stipulaceum (Coleman) Fern. - Floating
Smartweed - IC. Aquatic; in shallow, quiet water.
Very common.
- aviculare L. - Doorweed; Common Knotweed - C, IC. Door-
yards and roadsides. Very common.
- cilinode Michx. - Fringed Black Bindweed - C, IC. Decidu-
ous and mixed forests. Bear Paw Point; Garrison
Point. Common.
- coccineum Muhl. - Swamp Smartweed - IC. Sloughs and drain-
age ditches. Very common.
- convolvulus L. - Black Bindweed - C, IC. Clearings and
thickets. Near pier, Douglas Lodge. Common.
- erectum L. - Erect Knotweed - C. Weed along county road
n.w. of Zerkel. Rare.
- hydropiper L. - Water Pepper - IC. Edges of streams. Mouth
of Mary Creek, Douglas Lodge. Rare.
- lapathifolium L. - Dock-leaved Smartweed - Shores of ponds
and lakes. Common.
var. lapathifolium - IC
var. salicifolium Sibth. - IC
- persicaria L. - Lady's-thumb - C. Disturbed soil. West
side of Lower Red Lake. Rare.
- punctatum Ell. - Dotted Smartweed - IB, IC. Shores and
swamps. Occasional.
- sagittatum L. - Arrow-leaved Tear-thumb - IC, IH. Marshes
and sandy shores. Common.
- scabrum Moench - IC. Shores. McKay Lake. Rare.
- scandens L. - Climbing False Buckwheat - IB, IC, IH.
Scandent vine along ditches and elsewhere. North
Boundary road e. of Trading Post. Locally common.

Rumex - Dock; Sorrel

- acetosella L. - Field Sorrel; Sheep Sorrel - C, IC. Weed
in abandoned fields and pastures. Squaw Lake.
Occasional.
- crispus L. - Curled Dock - IC. Along roadways and in wet
meadows. Common.
- domesticus Hartm. - C. Weed in pastures. 8 miles n.w. of
Bagley. Locally common.
- maritimus L. var. fuelginus (Phil.) Dusen - Golden Dock
- IC. Marshes, wet banks and lake shores. Common.
- mexicanus Meisn. - Pale Dock; Willow-leaved Dock - C, IC.
Pastures and clearings. Common.
- orbiculatus Gray - Great Water Dock - C, IC. Swamps and
sedge mats. Common.

PONTEDERIACEAE - Pickerel-weed Family

Heteranthera - Mud-plantain

- dubia (Jacq.) MacM. - Water Star-grass - IC. Shallow
water, lakes and streams. Lake Itasca at Biol.
Sta.; Mississippi River. Occasional.

PORTULACACEAE - Purslane Family

Portulaca - Purslane

oleracea L. - Purslane; Pusley - IC. Weed in cultivated ground. Occasional.

PRIMULACEAE - Primrose Family

Lysimachia - Loosestrife

ciliata L. - Fringed Loosestrife - C, IC. Moist thickets and stream margins. Headwaters. Common.
 hybrida Michx. (L. lanceolata Walt. ssp. hybrida (Michx.) Ray) - C. Slough, 0.5 mile s.e. of Roy Lake. Rare.
 quadriflora Sims - Linear-leaved Loosestrife - C. Wet meadows. 6.3 miles n. of Clearbrook. Occasional.
 thyrsoflora L. - Tufted Loosestrife - IC. Marshes, lake shores and stream margins. Common.

Trientalis - Star-flower

borealis Raf. - Star-flower - IC. Tamarack-spruce bogs. Occasional.

PYROLACEAE - Shin-leaf Family

Chimaphila - Pipsissewa; Prince's Pine

umbellata (L.) Bart. var. cisatlantica Blake - Pipsissewa - C, IC. Pine forests. Elk Springs. Occasional.

Moneses - One-flowered Pyrola

uniflora (L.) Gray - One-flowered Pyrola - IC. Tamarack-spruce bogs. Floating Bog Bay. Common.

Monotropa - Indian Pipe; Pinesap

hypopitys L. - Pinesap - IC. Aspen forest, s. side of La Salle Trail. Very rare.
 uniflora L. - Indian Pipe - IC, IH. Jack Pine and mixed forests. Occasional.

Pyrola - Pyrola; Shin-leaf

asarifolia Michx. - Pink-flowered Pyrola - Tamarack-spruce bogs; coniferous forests. Common.
 var. asarifolia - C, IC.
 var. purpurea (Bunge) Fern. - C, IC, IH.
 elliptica Nutt. - Common Pyrola - IC, IH. Depressions in deciduous or mixed forests. Occasional.
 rotundifolia L. var. americana (Sweet) Fern. - American Round-leaved Pyrola - C, IC. Jack Pine and Red Pine forests. La Salle Trail. Rare.
 secunda L. - One-sided Pyrola - C, IC, IH. Coniferous forests and bogs. Common.
 virens Schweigg - Green-flowered Pyrola - C, IC. Coniferous or mixed forests. Common.

RANUNCULACEAE - Buttercup Family; Crowfoot Family.

Actaea - Baneberry

- rubra (Ait.) Willd. - Deciduous woodlands. Common.
 f. neglecta (Gillman) Robins. - Ivory Baneberry - IC.
 f. rubra - Red Baneberry - IC.

Anemone - Anemone

- canadensis L. - Canada Anemone - IC. Pastures and thickets. ✓
 Common.
 cylindrica Gray - Long-fruited Anemone; Thimble Weed -
 C. Pastures and edges of thickets. Rare.
 quinquefolia L. var. interior Fern. - Wood Anemone - C,
 IC. Jack Pine woods. Occasional.
 riparia Fern. - Hybrid Thimble Weed - C, IC. Deciduous
 woods. Common.

Aquilegia - Columbine

- canadensis L. - Wild Columbine - IC. Deciduous woods and
 open hillsides. Bear Paw Point. Common.

Caltha - Marsh Marigold

- palustris L. - Marsh Marigold - IC. Bogs and marshes.
 Common.

Coptis - Goldthread

- groenlandica (Oeder) Fern. - Goldthread - IC, IH. Sphagnum
 bogs. Floating Bog Bay; s.e. of Mary Lake. Common.

Hepatica - Hepatica; Liverleaf

- americana (DC.) Ker - Round-lobed Liverleaf - IC. Coni-
 ferous and deciduous woods. Common.

Ranunculus - Buttercup; Crowfoot

- abortivus L. - Smooth-leaved Crowfoot; Small-flowered
 Buttercup - IC. Disturbed, wet sites. Near old
 tourist camp, Lake Itasca. Rare.
 acris L. - Tall Buttercup; Meadow Buttercup - IC. Low
 meadows. Near old tourist camp, Lake Itasca. Rare.
 cymbalaria Pursh - Seaside Crowfoot - IC. Wet meadows.
 Mississippi headwaters. Rare.
 flabellaris Raf. - Yellow Water Crowfoot
 f. flabellaris - IC. Stagnant pools. Between Douglas
 Lodge and Biol. Sta. Rare.
 f. riparius Fern. - IC. Sedge swale. NE, SE 1/4,
 Sect. 9. Rare.
gmelini DC. var. hookeri (D. Don) Bens. - C, IC. Quiet
 pools, road ditches and mud banks. Common.
longirostris Godr. - Stiff Water Crowfoot - C, IC. Lakes'
 and streams. Lake Itasca; Chambers Creek; Elk
 Lake; Squaw Lake. Common.
 macounii Britt. - IC. Edge of willow thicket, Wegman Farm.
 Rare.

Hairy stem

- pensylvanica* L. f. - Bristly Buttercup - C, IC. Wet places, meadows and streams. Floating Bog Bay. Common.
- recurvatus* Poir. - Hooked Crowfoot - IC, IH. Bog forests. Floating Bog Bay; La Salle Springs. Common.
- reptans* L. (*R. flammula* L. var. *filiformis* (Michx.) Hook.) - IB, IC. Sandy shores. Bohall Lake; DeSoto Lake. Rare.
- sceleratus* L. var. *multifidus* Nutt. - Cursed Crowfoot - C, IH. Muddy banks, backwaters. La Salle Creek. Locally common.
- subrigidus* Drew (*R. circinatus* Sibth. var. *subrigidus* (Drew) Bens.) - Cut-leaved Water Crowfoot - C. Along drainage ditch. 6.5 miles n. of Gonvick. Rare.
- trichophyllus* Chaix (*R. aquatilis* L. var. *capillaceus* (Thuill.) DC.) - White Water Crowfoot - IC. Streams. Chambers Creek; Mississippi River. Locally common.

Thalictrum - Meadow Rue

- dasycarpum* Fisch. & Lall. - Tall Meadow Rue - IC. Marshes and wet borders. Common.
- dioicum* L. - Early Meadow Rue - IC. Deciduous forest. Common.
- venulosum* Trel. - Veiny Meadow Rue - C. Clearings in Jack Pine forest. Ebro. Rare.

RHMNACEAE - Buckthorn Family

Ceanothus - Red-root

- ovatus* Desf. - Smaller Red-root - C, IH. Jack Pine forest. Along Highway 92, 1 mile n. of jct. with 71. Locally common.

Rhamnus - Buckthorn

- alnifolia* L'Her. - Dwarf Alder - IC. Bogs. Common.

ROSACEAE - Rose Family

Agrimonia - Agrimony

- gryposepala* Wallr. - Tall Hairy Agrimony - IC, IH. Thick-ets. Common.

Amelanchier - Juneberry; Serviceberry

- humilus* Wieg. (*A. spicata* (Lam.) K. Koch, B. & B., 1952, following G. N. Jones, 1956) - Black-fruited Juneberry.
- var. *compacta* Niels. - C, IC, IH. Woodlands. Peace Pipe Springs; Iron Springs; La Salle Springs; Bohall Lake. Common.
- var. *humilis* - C, IC, IH. Woodlands. Peace Pipe Springs; La Salle Springs. Common.

humilus Wieg. X *A. laevis* Wieg., and reciprocal - C, IB, IC, IH. Woodlands, often with the putative parents. Bohall Trail and Lake; Iron Springs; La Salle Springs; Peace Pipe Springs; south boundary road; Squaw Lake. Very common.

huronensis Wieg. (*A. sanguinea* (Pursh) DC. var. *sanguinea*, B & B., 1952; also *A. sanguinea* sensu Jones, 1946) - IC. Woodlands. Bohall Lake. Rare.

intermedia Spach (*A. sanguinea* (Pursh) DC. var. *sanguinea*, B. & B., 1952; *A. interior* Niels., sensu Jones, 1946) - Swamp Juneberry - C, IH. Peaty soil, bogs. Iron Springs; La Salle Springs. Locally common.

laevis Wieg. - Smooth Juneberry - C, IC, IH. Woodlands. Douglas Lodge; Garrison Point; La Salle Springs and Valley; north boundary road; Peace Pipe Springs. Common.

Crataegus - Hawthorn; Thorn-apple

chrysocarpa Ashe - C. Deciduous or mixed woodlands. North boundary of Itasca Park. Occasional.

macrocarpa Ashe - Variable Thorn-apple - IC. Cleared areas and forest openings. Park headquarters. Locally common.

punctata Jacq. - Large-fruited Thorn-apple - IC. Woodlands. Park headquarters. Occasional.

succulenta Link - Woodlands. Occasional.

var. *macracantha* (Lodd.) Egglest. - C, IB, IC.

var. *succulenta* - C, IC.

Note: According to annotations of Dr. E. P. Kruschke in the University of Minnesota herbarium, two additional species of hawthorn occur in Itasca Park, namely, *C. faxoni* Sarg. var. *praecoqua* (Sarg.) Kruschke and *C. irrasa* Sarg. var. *blanchardi* (Sarg.) Egglest. Both records, if substantiated, represent notable extensions of the reported ranges of these species.

Fragaria - Strawberry

vesca L. var. *americana* Porter - American Wood Strawberry - IC. Mixed woodlands. Common.

virginiana Duchesne - Virginia Strawberry - IC. Mixed woodlands. Common.

Geum - Avens

allepicum Jacq. var. *strictum* (Ait.) Fern. - Yellow Avens - C, IC. Low meadows and thickets. Common.

canadense Jacq. - White Avens - IC. Mixed or deciduous woodlands. Common.

macrophyllum Willd. - Large-leaved Avens - C. Tamarack-spruce bogs. Tamarack Lake. Rare.

rivale L. - Purple Avens - C, IC. Bogs. Bear Paw Point. Occasional.

Potentilla - Cinquefoil; Five-finger

- argentea* L. - Silvery Cinquefoil - C. Grasslands and roadsides. Common.
- arguta* Pursh - Tall Cinquefoil - IC. Grasslands. Common.
- fruticosa* L. var. *tenuifolia* Lehm. - C. Wet meadows and open bogs. 2.3 and 6.3 miles n. of Clearbrook. Locally common.
- norvegica* L. - Rough Cinquefoil - IC. Pastures. Common.
- palustris* (L.) Scop. - Marsh Cinquefoil - IC. Bogs, marshes and sedge meadows. Common.
- recta* L. - Rough-fruited Cinquefoil - C. Introduced weed along roadways and in fields. Common.
- tridentata* Ait. - Three-toothed Cinquefoil - C. Jack Pine forests. Occasional.

Prunus - Plum; Cherry

- nigra* Ait. - Canada Plum - C, IC. Thickets and woodland margins. Occasional.
- pennsylvanica* L. f. - Pin Cherry - IC. Thickets. Common.
- serotina* Ehrh. - Black Cherry - IC. Mixed woodlands. Occasional.
- susquehanae* Willd. - Appalachian Cherry - IC. Jack Pine forest. La Salle Trail. Rare.
- virginiana* L. - Choke Cherry - IC. Thickets. Common.

Pyrus - Apple; Mountain Ash

- baccata* L. (*Malus baccata* (L.) Borkh.) - Siberian Crab - IC. Cult., Biol. Sta.
- decora* (Sarg.) Hyland - Mountain Ash - IC. Bogs. Floating Bog Bay. Occasional.

Rosa - Rose

- acicularis* Lindl. - Prickly Wild Rose - IC. Clearings, along roadways and in pastures. Rare.
- blanda* Ait. - Smooth Wild Rose - C, IC. Pastures, forest openings and along roadways. Very common.

Rubus - Raspberry; Blackberry; Dewberry

- acaulis* Michx. - C. Marshy meadows of old lake bed, 5.6 miles n. of Clearbrook. Locally common.
- acridens* Bailey (*R. canadensis* L. s.l., B. & B., 1952) - IC. Open woodlands. Common.
- alleghehiensis* Porter - High-bush Blackberry - IC. Open woodlands. Common.
- idaeus* L. - Red Raspberry
- var. *canadensis* Richards. - Canadian Red Raspberry - IC. Woodlands. Common.
- var. *strigosus* (Michx.) Maxim. - Wild Red Raspberry - IC. Woodlands. Common.
- minnesotanus* Bailey (*R. arundelanus* Blanch., s.l., B. & B., 1952) - IC. Woodlands. Rare.
- pensilvanicus* Poir. - IC. Woodlands. Rare.

- pubescens Raf. - Dwarf Red Blackberry; Swamp Blackberry -
IC. Swamps. Common.
recurvans Blanch. (R. pensilvanicus Poir., s.l., B. & B.,
1952) - IC. Woodlands. Rare.

Spiraea - Spiraea

- alba Du Roi - Narrow-leaved Meadow Sweet - IC. Wet meadows,
marshes and sedge mats. Common.

RUBIACEAE - Madder Family

Galium - Bedstraw; Cleavers

- aparine L. - Cleavers - C. Moist woodlands and shores.
West shore of Lower Red Lake. Rare.
asprellum Michx. - Rough Bedstraw - IC. Marshes. Common.
boreale L. - Northern Bedstraw. - Pastures and open, dry
forests. Common.
var. boreale - IC.
var. intermedium DC. - IC.
brevipes Fern. & Wieg. - Short-stalked Bedstraw - IC.
Bottoms of ephemeral pools in woodland. Bear Paw
Point. Occasional.
labradoricum Wieg. - Labrador Marsh Bedstraw - C, IC, IH.
Sedge mats; sphagnum bogs. Occasional.
tinctorium L. - Clayton's Bedstraw - Wet Soil around forest
pools and along streams. Common.
var. subbiflorum (Wieg.) Fern. - C, IC.
var. tinctorium - C.
trifidum L. - Small Bedstraw - C, IC. Sedge meadows and
bogs. Common.
triflorum Michx. - Sweet-scented Bedstraw - IC. Mixed and
deciduous woodlands. Common.

Houstonia - Houstonia

- longifolia Gaertn. - Long-leaved Houstonia - IB. Sandy
hillside under Red Pine. De Soto Lake. Rare.

RUTACEAE - Rue Family

Xanthoxylum - Prickly Ash

- americanum Mill. - Prickly Ash - IC. Thickets. Occasional.

SALICACEAE - Willow Family

Populus - Poplar; Aspen

- alba L. - White Poplar; Silver-leaved Poplar - IC. Cult.,
Wegman farm.
✓ balsamifera L. - Balsam Poplar; Tacamahac - IC. Mixed up-
land forests. Very common.
deltoides Marsh - Cottonwood - IC. Along stream courses.
Squaw Lake. Rare.
grandidentata Michx. - Large-toothed Aspen - IC. Mixed
upland forests. Common.

- simonii* Carr. - IC. Cult., Biol. Sta.
tremuloides Michx. - Quaking Aspen - IC. Mixed upland forests. Very common.

Salix - Willow

- alba* L. - White Willow - IC. Cult., Biol. Sta.
amygdaloides Anderss. - Peach-leaved Willow - IC. Along stream courses and lake shores. Common.
bebbiana Sarg. - Bebb's Willow; Beaked Willow - C, IC. In shrub zone around water bodies; uplands. Very common.
candida Fluegge - Hoary Willow; Sage Willow - Bogs, marshes and sedge mats. Common.
 f. *candida* - IC, IH.
 f. *denudata* (Anderss.) Roul. - IC.
discolor Muhl. - Pussy Willow - IC. In shrub zone around water bodies; uplands. Very common.
gracilis Anderss. - Slender Willow - IC. Wet, sunny sites, usually bordering water bodies. Very common.
humilis Marsh. - Prairie Willow - IC. Jack Pine and mixed upland forests. Very common.
interior Rowlee - Sand-bar Willow - C, IC. Along water courses and in wet lowlands. Common.
lucida Muhl. - Shining Willow - IC. Along drainages and lake shores, often in shallow water. Common.
pedicellaris Pursh var. *hypoglauca* Fern. - Bog Willow - C, IC, IH. Bogs and sedge mats. Common.
pyrifolia Anderss. - Balsam Willow - IC, IH. Sedge mats. Occasional.
rigida Muhl. - IC. Along streams and lake shores. Common.
serissima (Bailey) Fern. - Autumn Willow - C, IC. Bogs; shallow water at edges of lakes and streams. Common.

SANTALACEAE - Sandalwood Family

- Comandra* - Comandra; Toad-flax
richardsiana Fern. - False Toad-flax - IC. Jack Pine forests. Occasional.

SARRACENIACEAE - Pitcher Plant Family

Sarracenia - Pitcher Plant

- purpurea* L. - Pitcher Plant - C, IC, IH. Tamarack bogs and sedge mats. Garrison Point; Iron Springs; 0.5 mile s.e. of Mary Lake. Common.

SAXIFRAGACEAE - Saxifrage Family

Heuchera - Heuchera; Alum Root

- richardsonii* R. Br. var. *hispidior* R.B.L. - Richardson's Alum Root - IC. Open, sandy places in coniferous or mixed forests. Common.

Mitella - Miterwort; Bishop's Cap

- diphylla* L. - Two-leaved Bishop's Cap - IC. Shady area along Mary Creek. Douglas Lodge. Rare.
nuda L. - Naked Bishop's Cap - IC. Tamarack and spruce bogs. Common.

Parnassia - Grass of Parnassus

- glauca* Raf. - Glaucous Grass of Parnassus - C. Marsh, 5.6 miles n. of Clearbrook. Locally Common.
palustris L. var. *neogaea* Fern. - Marsh Grass of Parnassus - IB, IC. Sandy lake shores and stream banks. Bear Paw Point; De Soto Lake. Common.

Ribes - Currant; Gooseberry

- americanum* Mill. - Wild Black Currant - IC. Wet places, deciduous and mixed forests. Bear Paw Point. Occasional.
cynosbati L. - Prickly Gooseberry - IC. Wet woodlands. Bear Paw Point. Common.
glandulosum Grauer - Skunk Currant - C, IC. Bog forests. Common.
hirtellum Michx. - Swamp Gooseberry - IC. Marshes along streams and around lakes. Common.
hudsonianum Richards. - Northern Black Currant - IC. Bog forests. Common.
lacustre (Pers.) Poir. - Swamp Black Currant - IC. Tamarack bogs. Bohall Trail. Rare.
triste Pall. - Swamp Red Currant - IC, IH. Bog forests. Common.

Saxifraga - Saxifrage

- pensylvanica* L. - Swamp Saxifrage - IC. Tamarack-spruce bogs. La Salle Trail, 1/4 mile e. of Biol. Sta. Rare.

SCROPHULARIACEAE - Figwort Family

Castilleja - Indian Paint-brush

- coccinea* (L.) Spreng. - Indian Paint-brush - Pastures and thickets. Common.
 f. *coccinea* - C, IC.
 f. *lutescens* Farw. - C.

Chelone - Turtlehead

- glabra* L. - Turtlehead - C. Aspen grove, creek bank. T 144, R 38, NW, NW 1/4, Sect. 13. Rare.

Gerardia - Gerardia

- paupercula* (Gray) Britt. var. *borealis* (Pennell) Deam - Small-flowered Gerardia - C, IB. Sandy lake shores and wet meadows. De Soto Lake. Rare.
tenuifolia Vahl. var. *parviflora* Nutt. - Slender Gerardia - C, IB. Sandy shores and wet meadows. De Soto Lake; marshland 5.6 miles n. of Clearbrook. Rare.

Linaria - Toadflax

vulgaris Hill - Butter-and Eggs - IC. Escaped cultivation.
Occasional.

Melampyrum - Cow Wheat

lineare Desr. - Cow Wheat - IC. Jack Pine woods. Common.

Mimulus - Monkey Flower

glabratus HBK. var. *fremontii* (Benth.) Grant - Fremont's
geyerii Yellow Monkey Flower - IC, IH. In cold springs.
La Salle Springs; w. side of Bear Paw Point. Rare.
ringens L. - Monkey Flower - IC. Marshes and shores.
Common.

Pedicularis - Lousewort

canadensis L. - Lousewort; Wood Betany - IC. Deciduous and
mixed forests. Common.

lanceolata Michx. - Swamp Lousewort - C. Marshes. Lower
Red Lake; 6.5 miles n. of Clearbrook. Locally
common.

Penstemon - Beard-tongue

gracilis Nutt. - Slender Beard-tongue - Sandy sites. Rare.

Scrophularia - Figwort

lanceolata Pursh - Figwort - C. Open woodlands and aban-
doned fields. 10 miles n.-n.e. of Clearbrook. Rare.

Verbascum - Mullein

thapsus L. - Great Mullein - C, IC, IH. Introduced weed
along roadways and in other disturbed sites. Common.

Veronica - Speedwell

americana (Raf.) Schwein. - American Brooklime - IC, IH.
Cold springs and seepages. Bear Paw Point; Biol.
Sta.; La Salle Springs. Locally common.

comosa Richt. - Glandular Speedwell - C. In and along cold
streams. Sucker Creek. Occasional.

peregrina L. - Purslane Speedwell - IC. Wet soil, waste
places. Biol. Sta. Occasional.

scutellata L. - Marsh Speedwell - Wet margins of ponds;
sedge mats. Occasional.

var. *scutellata* - IC.

var. *villosa* Schum. - C, IC, IH.

Veronicastrum - Culver's Root

virginicum (L.) Farw. - Culver's Root - C. Moist, open
sites, edges of swales etc. 22 miles n. of Bagley.
Rare.

SOLANACEAE - Potato Family

Chamaesaracha - Ground Cherry

grandiflora (Hook.) Fern. - Large White Ground Cherry - C, IB, IC. Roadsides and shores. Shevlin; Biol. Sta.; s.w. corner of Itasca Park. Occasional.

Physalis - Ground Cherry

virginiana Mill. - Virginia Ground Cherry - C, IC. Sandy pastures. Occasional.

Solanum - Nightshade; Potato

americanum Mill. - Nightshade - C, IB, IC, IH. Weed in disturbed soil. Occasional.
sarachoides Sendt. - IC. Weed. Biol. Sta. Rare.

SPARGANIACEAE - Bur-reed Family

Sparganium - Bur-reed

angustifolium Michx. - Narrow-leaved Bur-reed - C. Floating-leaved aquatic. Wapatus Lake. Locally common.
chlorocarpum Rydb. - Green-fruited Bur-reed - C, IB, IC. Zone of emergent aquatics, lake margins. Morrison Lake; north boundary road, Itasca Park; Squaw Lake; Wapatus Lake. Common.

eurycarpum Engelm. - Broad-fruited Bur-reed - C, IC. Emergent aquatic, edges of lakes and streams. Schoolcraft Island; Mississippi River. Common.

fluctuans (Morong) Robins. - Floating Bur-reed - IC, IH. Floating-leaved aquatic, quiet waters, lakes and ponds. Deming Lake; Squaw Lake. Common.

minimum (Hartm.) Fries - Small Bur-reed - IC, IH. Openings in sedge mats; shallow water, woodland ponds. Darling Pond; Squaw Lake. Occasional.

THYMELIACEAE - Mezereum Family

Dirca - Leatherwood; Moosewood

palustris L. - Leatherwood - IC. Deciduous forest. Bear Paw Point. Locally common.

TILIACEAE - Linden Family

Tilia - Basswood; Linden

americana L. - Basswood; American Linden - IC. Deciduous and mixed forests. Common.

TYPHACEAE - Cat-tail Family

Typha - Cat-tail

angustifolia L. - Narrow-leaved Cat-tail - C. Emergent aquatic. West shore of Lower Red Lake and westward; Wapatus Lake. Occasional.

latifolia L. - Broad-leaved Cat-tail - C, IC, IH. Emergent aquatic. Common.

Note: Hybrids between *T. angustifolia* and *T. latifolia* are common in localities where the two species occur together.

ULMACEAE - Elm Family

Ulmus - Elm

americana L. - American Elm; White Elm - IC. Deciduous forests. Common.

pumila L. - Siberian Elm; Dwarf Elm - IC. Cult., Biol. Sta.

rubra Muhl. - Slippery Elm; Red Elm - IC. Deciduous forests. Common.

thomasi Sarg. - Cork Elm; Rock Elm - IC. Deciduous forests. Park Headquarters. Rare.

UMBELLIFERAE - Carrot Family

Carum - Caraway

carvi L. - Caraway - IC. Introduced weed, Biol. Sta.

Cicuta - Water Hemlock

bulbifera L. - Bulb-bearing Water Hemlock - C, IC. Sedge meadows and edges of water bodies. Common.

maculata L. - Water Hemlock; Musquash Root - IC. Marshes and woodland pools. Common.

Cryptotaenia - Honewort

canadensis (L.) DC. - Honewort - IC. Moist sites in deciduous forests. Common.

Heracleum - Cow Parsnip

maximum Bartr. - Cow Parsnip - C, IH. Wet, open meadows and along streams. La Salle Springs; Sucker Creek. Common.

Osmorhiza - Sweet Cicely

claytoni (Michx.) Clarke - Woolly Sweet Cicely - IC. Deciduous or mixed forests. Common.

longistylis (Torr.) DC. - Smoother Sweet Cicely - IC, IH. Deciduous or mixed forests. Common.

Sanicula - Sanicle; Snakeroot

marilandica L. - Black Snakeroot; Black Sanicle - IC. Deciduous forests. Common.

Sium - Water Parsnip

suave Walt. - Hemlock Water Parsnip - IC. Marshes and woodland pools. Common.

Zizia - Alexanders

- aptera (Gray) Fern. - Heart-leaved Alexanders - IH. Jack Pine forests and wet meadows. North boundary road, near La Salle Creek. Occasional.
- aurea (L.) Koch - Golden Meadow Parsnip; Golden Alexanders - C, IH. Wet meadows. North end of Lower Rice Lake. Rare.

URTICACEAE - Nettle Family

Laportea - Wood Nettle

- canadensis (L.) Wedd. - Wood Nettle - C. Disturbed soil under deciduous forests. West side, Lower Red Lake. Rare.

Pilea - Clearweed

- fontana (Lunell) Rydb. - Black-fruited Clearweed - IC. Springs, seepages, openings in sedge mats. Floating Bog Bay; Elk Springs. Common.

Urtica - Nettle

- procera Muhl. - Tall Wild Nettle - IC, IH. Wet lowlands and marshes. Common.

VERBENACEAE - Vervain Family

Verbena - Vervain; Verbena

- bracteata Lag. & Rodr. - Large-bracted Vervain - IC. Weed in disturbed soil. Shore of Lake Itasca near Douglas Lodge. Occasional.
- hastata L. - Blue Vervain - C, IB. Stream banks and lake shores. De Soto Lake; Sucker Creek. Common.
- urticifolia L. - Nettle-leaved Vervain; White Vervain - IC. Low places. Nicollet Trail. Rare.

VIOLACEAE - Violet Family

Viola - Violet

- adunca Sm. - Hooked Violet - C, IB, IC, IH. Sandy loam under forest canopy. Common
- conspersa Reichenb. - American Dog Violet - C, IC. Low, well-drained sites under forest canopy. Occasional.
- incognita Brain. - Large-leaved White Violet - IC, IH. Moist woods, often in duff under conifers or aspen. Common.
- macloskeyi Lloyd ssp. pallens (Banks) Baker (V. pallens (Banks) Brain., G. M., ed. 8) - Northern White Violet - C, IB, IC, IH. Tamarack and spruce bogs. Common.
- nephrophylla Greene - Northern Bog Violet - C, IC. Sedge meadows and bogs. Common.
- novae-angliae House - New England Blue Violet - IC. Edge of stream, n. end of Squaw Lake. Rare.

- pubescens Ait. - Downy Yellow Violet - IC. Deciduous forests. Common.
- renifolia Gray var. brainerdii (Greene) Fern. - Kidney-leaved Violet - C, IC, IH. Duff under conifers. Common.
- rugulosa Greene - Rydberg's Violet - IC. Deciduous forests. Common.
- selkirkii Pursh - Selkirk's Great-spurred Violet - IC. Moist woods s.w. of Biol. Sta. Rare.
- sororia Willd. - Woolly Blue Violet - IC. Low places in meadows; open woodlands. Occasional.

VITACEAE - Grape Family

- Parthenocissus - Virginia Creeper; Woodbine
inserta (Kern.) Fritsch - Thicket Creeper - IC. Deciduous or mixed woodlands. Occasional.
- Vitis - Grape
riparia Michx. - Frost Grape; River Bank Grape - IC. Deciduous or mixed woodlands. Occasional.

ZOSTERACEAE - Pondweed Family

- Potamogeton - Pondweed
alpinus Balbis - Northern Pondweed - Cold streams. Rare.
var. subellipticus (Fern.) Ogden - IH. La Salle Creek at crossing of North Boundary road.
var. tenuifolius (Raf.) Ogden - IC. Outlet of Squaw Lake.
- amplifolius Tuckerm. - Large-leaved Pondweed - IC, IH. Lakes. Mary Lake; Squaw Lake. Locally common.
- berchtoldi Fieber - Small Pondweed. Shallow water. Occasional.
var. berchtoldi - IC. Squaw Lake.
var. lacunatus (Hagstr.) Fern. - IC. Floating Bog Creek, n. of La Salle Trail.
var. tenuissimus (Mert. & Koch) Fern. - C. Upper Rice Lake.
- epihydus Raf. - Nuttall's Pondweed - C, IC, IH. Shallow woodland pools. Occasional.
- filiformis Pers. var. borealis (Raf.) St. John - Filiform Pondweed - IC. Lakes and streams. Lake Itasca; Mississippi River. Occasional.
- foliosus Raf. var. macellus Fern. - Leafy Pondweed - C, IC, IH. Quiet waters in lakes and ponds. Bohall Lake; Mary Lake. Occasional.
- friesii Rupr. - Fries' Pondweed - C, IC. Lakes and streams. Lake Itasca. Rare.
- gramineus L. - Variable Pondweed - C, IB, IC. Lakes, woodland pools and openings in sedge mats. Lake Itasca; Wapatus Lake. Common.

- illinoensis* Morong - Illinois Pondweed - IC. Lakes. Lake Itasca. Common.
- natans* L. - Floating Pondweed - IC, IH. Lakes and ponds. Very common.
- obtusifolius* Mert. & Koch - Blunt-leaved Pondweed - IB, IH. Lakes. Mary Lake. Occasional.
- pectinatus* L. - Fennel-leaved Pondweed; Sago Pondweed - IC. Lakes and ponds. Lake Itasca. Very common.
- praelongus* Wulf. - White-stemmed Pondweed - IC. Lakes. Lake Itasca; Squaw Lake. Common.
- pusillus* L. - Palermo Pondweed - Possibly not distinct from *P. berchtoldi* Fieber, but the stipule margins of our specimens are free in-so-far as determined, and thus must bear the latter name.
- richardsonii* (Benn.) Rydb. - Richardson's Pondweed - IC. Lakes. Lake Itasca. Common.
- robbinsii* Oakes - Robbins' Pondweed - IC. Lakes. Lower Twin Lake; Squaw Lake. Locally common.
- strictifolius* Benn. - Narrow-leaved Pondweed. Lakes.
- var. *rutiloides* Fern. - IB, IC, IH. East Twin Lake's. of Mary Lake; De Soto Lake; Mary Lake; Lake Itasca; Squaw Lake. Very common.
- var. *strictifolius* - C, IC, IH. Chambers Creek; Mary Lake; Lake Itasca; Upper Rice Lake. Common.
- vaginatus* Turcz. - Sheathed Pondweed - C, IC. Lake Itasca. Locally common.
- zosteriformis* Fern. - Eel-grass Pondweed - C, IC. Clear-water River at Clearbrook; Lake Itasca; South Twin Lake; Squaw Lake. Very common.

Abies	8	Callitriche	12
Acer	10	Calopogon	43
Achillea	16	Caltha	48
Acnida	10	Calypso	43
Acorus	11	Camelina	22
Actaea	48	Campanula	13
Adiantum	7	Capsella	22
Agastache	37	Caragana	38
Agrimonia	49	Cardamine	23
Agropyron	30	Carex	23
Agrostis	30	Carpinus	22
Alisma	10	Carum	57
Alnus	21	Castilleja	54
Alopecurus	30	Caulophyllum	12
Amaranthus	10	Ceanothus	49
Ambrosia	16	Celastrus	15
Amelanchier	49	Centaurea	17
Amphicarpa	38	Cerastium	14
Anaphalis	16	Ceratophyllum	15
Andromeda	28	Chamaedaphne	28
Andropogon	30	Chamaesarcha	56
Anemone	48	Chelone	54
Antennaria	16	Chenopodium	15
Apocynum	11	Chimaphila	47
Aquilegia	48	Chrysanthemum	17
Arabis	22	Cicuta	57
Aralia	11	Cinna	31
Arceuthobium	41	Circaea	42
Arctium	16	Cirsium	17
Arctostaphylos	28	Clintonia	40
Arenaria	14	Collomia	45
Arisaema	11	Comandra	53
Armoracia	22	Convolvulus	21
Artemisia	16	Coptis	48
Asarum	11	Corallorrhiza	43
Asclepias	11	Coriospermum	15
Asparagus	40	Cornus	21
Aster	16	Corydalis	45
Astragalus	38	Corylus	22
Athyrium	7	Crataegus	50
		Crepis	17
Beckmannia	30	Cryptotaenia	57
Berteroa	22	Cuscuta	21
Betula	21	Cynoglossum	12
Bidens	17	Cyperus	26
Botrychium	6	Cypripedium	43
Brachyelytrum	31	Cystopteris	7
Brasenia	42		
Brassica	22	Danthonia	31
Bromus	31	Descurainia	23
		Desmodium	38
Calamogrostis	31	Dianthus	14
Calamovilfa	31	Diervilla	13
Calla	11		

Digitaria	31	Hieracium	18
Dirca	56	Hippuris	35
Dracocephalum	37	Hordeum	32
Drosera	28	Houstonia	52
Dryopteris	7	Humulus	13
Dulichium	26	Hydrophyllum	35
		Hypericum	35
		Hystrix	32
Echinochloa	31		
Echinocystis	23	Impatiens	12
Echium	12	Iris	36
Eleocharis	26	Isoetes	5
Elodea	35	Iva	19
Elymus	31		
Epigaea	28	Juncus	36
Epilobium	43	Juniperus	8
Equisetum	5		
Eragrostis	32	Knautia	28
Erigeron	18	Koeleria	32
Eriophorum	27	Krigia	19
Erysimum	23		
Eupatorium	18	Lactuca	19
Euphorbia	29	Laportea	58
		Lappula	12
Fagopyrum	45	Larix	8
Festuca	32	Lathyrus	38
Fragaria	50	Lechea	15
Fraxinus	42	Ledum	29
		Leersia	32
Gaillardia	18	Lemna	39
Galeopsis	37	Lepidium	23
Galium	52	Lespedeza	39
Gaultheria	29	Liatris	19
Gentiana	29	Lilium	40
Geranium	30	Linaria	55
Gerardia	54	Linnaea	13
Geum	50	Linum	41
Glecoma	37	Liparis	44
Glyceria	32	Listera	44
Gnaphalium	18	Lithospermum	12
Goodyera*	44	Lobelia	41
Gymnocarpium	7	Lolium	33
		Lonicera	13
Habenaria	44	Luzula	36
Hackelia	12	Lychnis	14
Halenia	30	Lycopodium	5
Helenium	18	Lycopus	37
Helianthemum	15	Lysimachia	47
Helianthus	18		
Heliopsis	18	Maianthemum	40
Hemicarpha	27	Malaxis	44
Hepatica	48	Malva	41
Heracleum	57	Matricaria	19
Heteranthera	46	Matteuccia	7
Heuchera	53		

Medicago	39	Polygonum	46
Megladonta	19	Populus	52
Melampyrum	55	Portulaca	47
Melilotus	39	Potamogeton	59
Menispermum	42	Potentilla	51
Mentha	37	Prenanthes	19
Menyanthes	30	Prunella	38
Mertensia	12	Prunus	51
Milium	33	Pteridium	7
Mimulus	55	Pyrola	47
Mirabilis	42	Pyrus	51
Mitella	54		
Monarda	37	Quercus	29
Moneses	47		
Monotropa	47	Ranunculus	48
Muhlenbergia	33	Ratibida	19
Myriophyllum	35	Rhamnus	49
		Rhus	10
Najas	42	Ribes	54
Nepeta	37	Rorippa	23
Neslia	23	Rosa	51
Nuphar	42	Rubus	51
Nymphaea	42	Rudbeckia	20
		Rumex	46
Oenothera	43		
Onoclea	7	Sagittaria	10
Onosmodium	12	Salix	53
Orchis	45	Salsola	15
Oryzopsis	33	Sambucus	13
Osmorhiza	57	Sanicula	57
Osmunda	6	Saponaria	14
Ostrya	22	Sarracenia	53
		Saxifraga	54
Panicum	33	Scheuchzeria	37
Parnassia	54	Schizachne	34
Parthenocissus	59	Scirpus	27
Pedicularis	55	Scrophularia	55
Penstemon	55	Scutellaria	38
Petalostemum	39	Secale	34
Petasites	19	Selaginella	5
Phlaris*	34	Senecio	20
Phleum	34	Setaria	34
Phragmites	34	Shepherdia	28
Phryma	45	Silene	14
Physalis	56	Sisymbrium	23
Physostegia	38	Sisyrinchium	36
Picea	8	Sium	57
Pilea	58	Smilacina	40
Pinus	8	Smilax	40
Plantago	45	Solanum	56
Poa	34	Solidago	20
Pogonia	45	Sonchus	20
Polygala	45	Sparganium	56
Polygonatum	40	Spartina	34

Spergularia	14	Trillium	41
Sphenopholis	34	Tsuga	8
Spiraea	52	Typha	56
Spiranthes	45		
Spirodela	39	Ulmus	57
Sporobolis	35	Urtica	58
Stachys	38	Utricularia	40
Stellaria	15	Uvularia	41
Stipa	35		
Streptopus	41	Vaccinium	29
Symphoricarpos	13	Verbascum	55
Syringa	42	Verbena	58
		Veronica	55
Tanacetum	20	Veronicastrum	55
Taraxacum	21	Viburnum	13
Taxus	9	Vicia	39
Thalictrum	49	Viola	58
Thelypteris	7	Vitis	59
Thlaspi	23		
Thuja	8	Wolffia	39
Tilia	56		
Tofieldia	41	Xanthoxylum	52
Tragopogon	21		
Trientalis	47	Zizania	35
Trifolium	39	Zizia	58
Triglochin	37		