

Proceedings of the Iowa Academy of Science

Volume 86 | Number

Article 4

1979

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Recommended Citation

Freckmann, Robert W. (1979) "A Checklist of the Vascular Plants of the "Whiting Triangle" in Central Wisconsin," *Proceedings of the Iowa Academy of Science*: Vol. 86: No. 2 , Article 4.
Available at: <http://scholarworks.uni.edu/pias/vol86/iss2/4>

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A Checklist of the Vascular Plants of the "Whiting Triangle" in Central Wisconsin

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The vascular flora of the "Whiting Triangle" — a 30 acre (12 ha) area of semi-wild land within the Stevens Point, Wisconsin urban area — has been observed and collected since 1964. Four hundred seventeen taxa have been collected at this site, including typical species of central Wisconsin as well as rare or otherwise notable taxa for the state. A checklist of the flora is presented.

INDEX DESCRIPTORS: Vascular flora; Central Wisconsin vascular plants; Whiting Triangle; Portage Co., Wisconsin.

Field work on the flora of central Wisconsin during the past ten years has shown that a 30 acre (12 ha) island of semi-wild land within the Stevens Point urban area, known locally as the Whiting Triangle, is unusual floristically. The flora of the Whiting Triangle is exceptional (1) because there are a large number of taxa of vascular plants (417) and (2) because it includes both the typical native flora of central Wisconsin and species rare in Wisconsin or disjunct to this site. These rare or disjunct species are discussed in Freckmann (1978). The following are considered rare because they have been collected less than eight times in Wisconsin: *Bouteloua gracilis*, *Erysimum asperum*, *Lotus americanus*, *Lysimachia* × *conmixta* (*L. terrestris* × *L. thyrsoiflora*), *Rumex venosus*, *Stipa comata*, and *S. viridula*. Another group is notable because their occurrence here represents disjunctions of 60 to 120 miles from other collection sites: *Lactuca pulchella*, *Polanisia graveolens*, and *Tradescantia occidentalis*. Approximately 25 other species are at or near the northern limits of the known distribution ranges in Wisconsin at this site (e.g., *Aster ptarmicoides*, *Betula nigra*, *Bouteloua hirsuta*, *Hypoxis hirsuta*, and *Oenothera rhombipetala*).

A checklist of the vascular plants of the Whiting Triangle is presented below. Voucher specimens are on file in the UWSP herbarium for nearly all species; for the remaining species vouchers are on file at WIS. The majority of the collections were made by the author between 1972 and 1974, with additional field observations and notes through mid-summer 1978. Other collections were made by George C. Becker and Robert S. Whitmire in 1964 and 1965, and by Mark Phillips in 1974. Nomenclature of scientific names follows Fernald (1950) except for the addition of taxa not included in that work (e.g., *Scleranthus perennis*). The numbers after each species refer to the plant communities described below in which that species was observed to occur. The boundaries of the Whiting Triangle were established somewhat arbitrarily for this checklist in that those marginal areas which were judged to be primarily weedy were excluded.

STUDY SITE

The Whiting Triangle lies in the Village of Whiting, Portage County, Wisconsin, section 16, T 23 N, R 8 E, approximately ten miles (16 km) southeast of the geographic center of the state. It is bounded by a village park, residential and industrial lands, and the Wisconsin River. It includes the following plant communities (the numbers correspond to those used in the species checklist):

1. Sand flat and sand barren. Much of this habitat was created about 1960 by the bulldozing of sandy hills and filling low areas. The soil contains little organic matter and is drought prone. Vegetation is sparse and is dominated by *Comptonia peregrina*, *Rubus* spp., *Aristida basiramea*, *Sporobolus cryptandrus*, and *S. vaginiflorus*.

2. Sandy prairie. The sand flat grades into the sandy prairie along the railroad rights-of-way. Dominants include *Andropogon gerardii*, *A. scoparius*, and *Sorghastrum nutans*.

3. Upland woods on sandy soil. Dominants include *Quercus ellip-*

soidalis and *Pinus banksiana*.

4. Marsh and slough. Dominants include *Typha augustifolia*, *T. latifolia*, *Calamagrostis canadensis*, *Carex* spp., and *Scirpus* spp. No hybrids have been observed here between the two cattail species, but both species and the hybrid occur at another site one mile to the west.

5. Low sandy flat land, below water at times, but dry and arid in late summer during some years. Vegetation is a mixture of shrubs and herbs and is undergoing succession to a shrub community.

6. Banks of the Plover River. *Cornus stolonifera*, *Salix* spp., *Alnus rugosa*, and other shrubs dominate the banks. *Iris versicolor*, *Typha latifolia*, *Carex* spp., and *Sparganium* spp. are the principal emergent plants of the river.

7. Floodplain woods of the Wisconsin River. Dominants include *Betula nigra*, *Populus deltoides*, *Fraxinus nigra*, *F. pennsylvanica*, and *Acer saccharinum*. The soil is usually covered by a few inches to a couple of feet of water in the spring.

8. Moist woods. The more mature segments are dominated by *Tsuga canadensis*, *Pinus strobus*, and *Betula lutea*. The younger second-growth portions are dominated by *Acer rubrum*, *Betula papyrifera*, and *Populus tremuloides*.

The ownership of the Whiting Triangle is divided among a paper mill, an electrical utility, a railroad, the Village of Whiting park, and a few individuals. Much of the land is zoned for industrial use. Both the park and the paper mill have expanded into the Triangle in the past two years, altering or destroying the vegetation on about ten acres. The vegetation on the sand flat near the center of the Triangle has also been altered extensively by a combination of bulldozing and the activities of trail bikes. About half of the sand flat is now devoid of vegetation and two of the rarer species have apparently vanished: *Lotus americanus* and *Erysimum asperum*. The prospects for preservation of the Triangle in the future seem poor.

ARTICULATAE

EQUISETACEAE

- Equisetum arvense* L. Field Horsetail. 2,5.
E. hyemale L. Scouring Rush. 6.
E. sylvaticum L. Wood Horsetail. 5,6.

LYCOPODIINAE

LYCOPODIACEAE

- Lycopodium inundatum* L. Bog Clubmoss. 5.
L. obscurum L. Tree Clubmoss. 8.

SELAGINELLACEAE

- Selaginella rupestris* (L.) Spring. Spikemoss. 1.

FILICINAE

OSMUNDACEAE

- Osmunda cinnamomea* L. Cinnamon Fern. 8.
O. claytoniana L. Interrupted Fern. 8.
O. regalis L. Royal Fern. 6.

POLYPODIACEAE

- Onoclea sensibilis* L. Sensitive Fern. 4,8.
Pteridium aquilinum (L.) Kuhn. Bracken Fern. 3,8.
Preretis pensylvanica (Willd.) Fern. Ostrich Fern. 6.
Thelypteris palustris (Salisb.) Schott. March Fern. 4.

GYMNOSPERMAE

PINACEAE

- Pinus banksiana* Lamb. Jack Pine. 3.
P. strobus L. White Pine. 8.
Tsuga canadensis (L.) Carr. Hemlock. 8.

ANGIOSPERMAE

ACERACEAE

- Acer rubrum* L. Red Maple. 6,7,8.
A. saccharinum L. Silver Maple. 7.

AIZOACEAE

- Mollugo verticillata* L. Carpetweed. 1.

ALISMACEAE

- Sagittaria latifolia* Willd. Broadleaf Arrowhead. 4,6.

AMARANTHACEAE

- Froelichia floridana* (Nutt.) Moq. var. *campestris* (Small) Fern.
 Cottonweed. 1.

ANACARDIACEAE

- Rhus typhina* L. Staghorn Sumac. 5,6.
R. radicans L. var. *rydbergii* (Small) Rehd. Poison Ivy. 1,5,6,7,8.

APOCYNACEAE

- Apocynum cannabinum* L. Indian Hemp. 6.
A. androsaemifolium L. Spreading Dogbane. 5,6.

AQUIFOLIACEAE

- Ilex verticillata* (L.) Gray. Black Alder. 8.

ARACEAE

- Acorus calamus* L. Sweet Flag. 4,6.
Arisaema dracontium (L.) Schott. Green Dragon. 7.

ARALIACEAE

- Aralia nudicaulis* L. Wild Sarsaparilla. 8.
A. racemosa L. Spikenard. 3.

ASCLEPIADACEAE

- Asclepias amplexicaulis* Sm. Sand Milkweed. 1,2,5.

- A. incarnata* L. Swamp Milkweed. 4,6.
A. syriaca L. Common Milkweed. 3,5.
A. tuberosa L. ssp. *interior* Woods. Butterfly Weed. 2.

BALSAMINACEAE

- Impatiens capensis* Meerb. Orange Jewelweed. 6,7.

BERBERIDACEAE

- Podophyllum peltatum* L. May Apple. 7.

BORAGINACEAE

- Lithospermum canescens* (Michx.) Lehm. Hoary Puccoon. 2.

CAMPANULACEAE

- Campanula rotundifolia* L. var. *intercedens* (Witasek) Farw.
 Harebell. 5,6.
Lobelia inflata L. Indian Tobacco. 5.
L. siphilitica L. Great Lobelia. 4,6.
L. spicata Lam. Pale-spike Lobelia. 2.

CAPPARIDACEAE

- Polanisia graveolens* Raf. Clammyweed. 1.

CAPRIFOLIACEAE

- Diervilla lonicera* Mill. Bush Honeysuckle. 3.
Lonicera Xbella Zabel. (*L. morrowi* X *L. tartarica*) Honeysuckle. 3.
Sambucus canadensis L. Common Elderberry. 6.
S. pubens Michx. Red-berried Elder. 6.
Symphoricarpos occidentalis Hook. Wolfberry. 3.
Viburnum acerifolium L. Mapleleaf Viburnum. 3.
V. lentago L. Nannyberry. 6.

CARYOPHYLLACEAE

- Lychinis alba* Mill. White Campion. 1.
Saponaria officinalis L. Soapwort. 1.
Scleranthus annuus L. Knawel. 1.
S. perennis L. Knawel. 1.
Silene cucubalus Wibel. Bladder Campion. 1.

CELASTRACEAE

- Celastrus scandens* L. Bittersweet. 3.

CHENOPODIACEAE

- Cycloloma atriplicifolium* (Spreng.) Coult. Winged Pigweed. 1.
Salsola kali L. var. *tenuifolia* Tausch. Russian Thistle. 1.
Helianthemum bicknellii Fern. Frostweed. 1,2.
H. canadense (L.) Michx. Common Rockrose. 2,8.
Lechea stricta Leggett. Bushy Pinweed. 1,2.

COMMELINACEAE

- Tradescantia occidentalis* (Britt.) Smyth. Western Spiderwort. 1.
T. ohioensis Raf. Common Spiderwort. 5,6.

COMPOSITAE

- Achillea millefolium* L. Yarrow. 1.
Ambrosia artemisiifolia L. Common Ragweed. 1,2.
A. psilostachya DC. Western Ragweed. 1,2.
Antennaria neglecta Greene. Pussytoes. 5.

Artemisia caudata Michx. Wild Wormwood. 1,2.
A. ludoviciana Nutt. ssp. *ludoviciana*. White Sage. 1,2.
Aster azureus Lindl. Azure Aster. 2.
A. ciliolatus Lindl. Lindley's Aster. 6,8.
A. cordifolius L. var. *moratus* Shinn. Blue Woodland Aster. 6.
A. ericoides L. Heath Aster. 2.
A. laevis L. Smooth Aster. 2.
A. lateriflorus (L.) Britt. White Woodland Aster. 6.
A. macrophyllus L. Large-leaved Aster. 8.
A. novae-angliae L. New England Aster. 4,5,8.
A. ptarmicoides (Nees) T. & G. White Upland Aster. 3.
A. sagittifolius Wedenmeyer. Arrow-leaf Aster. 3.
A. sericeus Vent. Silky Aster. 2.
A. simplex Willd. White Aster. 4,6.
A. umbellatus Mill. Flat-topped Aster. 4,6.
Bidens cernua L. Bur Marigold. 6.
B. frondosa L. Common Beggar-ticks. 6.
Coreopsis palmata Nutt. Prairie Tickseed. 2.
Crepis capillaris (L.) Wallr. Hawks-beard. 3.
Erigeron annuus L. Annual Fleabane. 1.
E. canadensis L. Horseweed. 1,5.
E. strigosus Muhl. Daisy Fleabane. 1.
Eupatorium perfoliatum L. Boneset. 4,6.
E. rugosum Houtt. White Snakeroot. 6,8.
Gnaphalium uliginosum L. Low Cudweed. 5.
Grindelia squarrosa (Pursh) Dunal. Tarweed. 5.
Helenium autumnale L. Sneezeweed. 6.
Helianthus giganteus L. Tall Sunflower. 3,8.
H. occidentalis Ridd. Western Sunflower. 2.
H. strumosus L. Harsh Sunflower. 3,8.
Hieracium aurantiacum L. Orange Hawkweed. 1,5.
H. pratense Tausch. King Devil. 1,5.
Krigia biflora (Walt.) Blake. Dwarf Dandelion. 1,5.
Lactuca pulchella (Pursh) DC. Blue Lettuce. 5.
Liatris aspera Michx. Blazing Star. 2.
Matricaria matricarioides (Less.) Porter. Pineapple weed. 1.
Prenanthes alba L. Lion's Foot. 3.
Ratibida pinnata (Vent.) Barnh. Yellow Coneflower. 2.
Rudbeckia hirta L. Black-eyed Susan. 1.
R. laciniata L. Wild Goldenrod. 8.
Senecio aureus L. Golden Ragwort. 6,8.
S. pauperculus Michx. Northern Ragwort. 2.
S. plattensis Nutt. Prairie Groundsel. 2.
Solidago altissima L. Tall Goldenrod. 3.
S. canadensis L. var. *hargerii* Fern. Canada Goldenrod. 3.
S. flexicaulis L. Zigzag Goldenrod. 6.
S. gigantea Ait. var. *gigantea*. Late Goldenrod. 4,5,6.
S. graminifolia (L.) Salisb. Grassleaf Goldenrod. 5.
S. hispida Muhl. Hairy Goldenrod. 2,3.
S. juncea Ait. Early Goldenrod. 2,5.
S. nemoralis var. *decemiflora* (DC) Fern. Gray Goldenrod. 3.
 var. *nemoralis*. 1.
S. patula Muhl. Swamp Goldenrod. 2.
S. speciosa Nutt. var. *angustata* T. & G. Showy Goldenrod. 2.
S. uliginosa Nutt. Bog Goldenrod. 5,6.
Tragopogon major Jacq. Goat's Beard. 1.

CONVOLVULACEAE

Convolvulus spithameus L. Dwarf Bindweed. 1.

CORNACEAE

Cornus amomum Mill. Silky Dogwood. 6.
C. canadensis L. Bunchberry. 8.

C. racemosa Lam. Gray Dogwood. 6.
C. stolonifera Michx. Red Osier Dogwood. 6.

CORYLACEAE

Alnus rugosa (Du Roi) Spreng. var. *americana* (Regel) Fern. Speckled Alder. 6.
Betula lutea Michx. f. Yellow Birch. 8.
B. nigra L. River Birch. 7.
B. papyrifera Marsh. Paper Birch. 8.
Corylus americana Walt. Hazelnut. 3.

CRUCIFERAE

Arabis laevigata (Muhl.) Poir. Bank Cress. 1.
A. lyrata L. Sand Cress. 1.
A. missouriensis Greene. Missouri Rock Cress. 1.
Berteroa incana (L.) DC. Hoary Alyssum. 1.
Cardamine douglasii (Torr.) Britt. Bittercress. 6.
Descurainia pinnata (Walt.) Britt. Tansy Mustard. 1.
Erysimum asperum (Nutt.) DC. Western Wallflower. 1.
E. cheiranthoides L. Wormseed. 1.
E. inconspicuum (S. Wats.) MacM. Small Wormseed. 1.
Lepidium campestre (L.) R. Br. Field Cress. 1.
L. densiflorum Schrad. Small Peppergrass. 1.
L. virginicum L. Common Peppergrass. 1.
Raphanus raphanistrum L. Wild Radish. 1.
Rorippa islandica (Oeder) Borbas. var. *fernaldiana* Butters & Abbe. Marsh Cress. 4,5.
Sisymbrium altissimum L. Tumble Mustard. 1.

CUCURBITACEAE

Echinocystis lobata (Michx.) T. & G. Wild Cucumber. 6.

CYPERACEAE

Bulbostylis capillaris (L.) Clarke. Hair Sedge. 1,5.
Carex brevior (Dew.) Mack. Sedge. 4,6.
C. brunnescens (Pers.) Poir. Brown Sedge. 5.
C. crinata Lam. Fringed Sedge. 4,6.
C. debilis Michx. White-edged Sedge. 4,6.
C. leptalea Wahlenb. Delicate Sedge. 4,6.
C. lupulina Muhl. Hop Sedge. 5,6.
C. pennsylvanica L. Early Sedge. 3,5,8.
C. projecta Mack. Bearded Broomsedge. 6.
C. scoparia Schukuh. Broomsedge. 5,6.
C. sterilis Willd. Sterile Sedge. 5.
Cyperus houghtonii Torr. Galingale. 1.
C. lupulinus (Spreng.) Marchs. Slender-stemmed Galingale. ssp. *lupulinus*. 1. ssp. *macilentus* (Fern.) Marcks. 1.
C. lupulinus ssp. *macilentus* X *C. schweinitzii*. 1.
C. schweinitzii Torr. Schweinitz's Umbrella Sedge. 1.
Dulichium arundinaceum (L.) Britt. Three-way Sedge. 4,6.
Eleocharis acicularis (L.) R. & S. Needle Spikerush. 6.
E. obtusa (Willd.) Schult. Blunt Spikerush. 6.
E. palustris (L.) R. & S. Creeping Spikerush. 6.
Scirpus atrocinctus Fern. Black-girdled Bulrush. 6.
S. atrovirens Willd. Dark Green Bulrush. 6.
S. cyperinus (L.) Kunth. Woolgrass. 4,5.
S. hattorianus Mak. Hattori Woolgrass. 6.
S. validus Vahl. Soft-stem Bulrush. 6.

DIOSCOREACEAE

Dioscorea villosa L. Wild Yam. 6,8.

VASCULAR PLANTS OF "WHITING TRIANGLE"

DROSERACEAE

Drosera rotundifolia L. Roundleaf Sundew. 5.

ERICACEAE

Gaultheria procumbens L. Wintergreen. 8.
Gaylussacia baccata (Wang.) K. Koch. Huckleberry. 5.
Pyrola rotundifolia L. Shinleaf. 8.
Vaccinium angustifolium Ait. Blueberry. 5,8.
V. oxycoccos L. Small Cranberry. 5.

EUPHORBIACEAE

Euphorbia corollata L. Flowering Spurge. 1.
E. geyeri Engelm. Prostrate Spurge. 1.
E. maculata L. Spotted Spurge. 1.

FAGACEAE

Quercus bicolor Willd. Swamp White Oak. 7.
Q. ellipsoidalis Hill. Hill's Oak. 3.
Q. macrocarpa Michx. Bur Oak. 3.
Q. rubra L. Red Oak. 8.
Q. velutina Lam. Black Oak. 3.

GENTIANACEAE

Bartonia virginica (L.) BSP. 5.
Gentiana andrewsii Griseb. Bottle Gentian. 6.

GRAMINEAE

Agropyron repens (L.) Beauv. Quack Grass. 1.
A. trachycaulum (Linke) Malle. Slender Wheatgrass. 8.
Agrostis alba L. Red Top. 1,5.
A. hyemalis (Walt.) BSP. Early Ticklegrass. 1.
A. perennans (Walt.) Tuckerm. Woodland Ticklegrass. 8.
A. scabra Willd. Fly-away Grass. 1.
Andropogon gerardii Vitm. Big Bluestem. 2.
A. scoparius Michx. Little Bluestem. 2.
Aristida basiramea Engelm. Small Triple-awn Grass. 1.
A. intermedia Scribn. & Ball. Triple-awn Grass. 1.
A. purpurascens Poir. Arrowfeather. 1.
A. tuberculosa Nutt. Seabeach Nettlegrass. 1.
Bouteloua curtipendula (Michx.) Torr. Sideoats Grama. 1.
B. gracilis (HBK.) Lag. Blue Grama. 1.
B. hirsuta Lag. Hairy Grama. 1.
Brachyelytrum erectum (Schreb) Beauv. Woodgrass. 6.
Bromus inermis Leyss. ssp. *inermis*. Smooth Brome. 1.
B. japonicus Thunb. Japanese Brome. 1.
B. tectorum L. Downy Brome. 1.
Calamagrostis canadensis (Michx.) Beauv. Bluejoint. 4.
Cenchrus longispinus (Hack.) Fern. Sandbur. 1.
Cinna arundinacea L. Woodreed. 6.
Danthonia spicata (L.) Beauv. Poverty Oatgrass. 1,3,5.
Digitaria ischaemum (Schreb.) Muhl. Smooth Crabgrass. 1.
D. sanguinalis (L.) Scop. Hairy Crabgrass. 1.
Echinochloa crus-galli (L.) Beauv. Barnyard Grass. 4.
E. muricata (Beauv.) Fern. Barnyard Grass. 1.
Elymus canadensis L. Canada Wild Rye. 2.
E. virginicus L. Virginia Wild Rye. 7.
Eragrostis pectinacea (Michx.) Nees. Small Lovegrass. 1.
E. spectabilis (Pursh) Steud. Purple Lovegrass. 1.
Festuca rubra L. Red Fescue. 1,3.
Glyceria borealis (Nash) Batch. Floatgrass. 6.
G. canadensis (Michx.) Trin. Rattlesnake Mannagrass. 6.

Hordeum jubatum L. Squirreltail Barley. 4,5.
Koeleria cristata (L.) Pers. Junegrass. 1,2.
Leersia oryzoides (L.) Sw. Rice Cutgrass. 6.
Leptoloma cognatum (Schult.) Chase. Fall Witchgrass. 1.
Lolium perenne L. Rye Grass. 1.
Muhlenbergia mexicana (L.) Trin. Muhly. 6.
M. racemosa (Michx.) BSP. Muhly. 6.
Panicum boreale Nash. Northern Panic Grass. 5.
P. capillare L. Witchgrass. 1.
P. depauperatum Muhl. Starved Panic Grass. 1.
P. latifolium L. Broadleaf Panic Grass. 6.
P. lanuginosum Ell. var. *fasciculatum* (Torr.) Fern. Hairy Panic Grass. 1,2,3,4.
P. meridionale Ashe. Panic Grass. 4.
P. oligoanthes Schult. var. *scribnerianum* (Nash) Fern. Scribner's Panic Grass. 2,4.
P. virgatum L. Prairie Switchgrass. 2.
P. xanthophysum Gray. Yellow-seeded Panic Grass. 6,8.
Paspalum ciliatifolium Michx. Beadgrass. 1.
Phalaris arundinacea L. Reed Canarygrass. 6.
Phleum pratense L. Timothy. 1.
Poa compressa L. Canada Bluegrass. 4,6.
P. palustris L. Marsh Bluegrass. 1,2,3,5,9.
P. pratensis L. Kentucky Bluegrass. 5,8.
Schizachne purpurascens (Torr.) Swall. False Melic. 6.
Setaria glauca (L.) Beauv. Yellow Foxtail. 1.
S. viridis (L.) Beauv. Green Foxtail. 1.
Sporobolus crytandrus (Torr.) Gray. Sand Dropseed. 1,2.
S. heterolepis Gray. Prairie Dropseed. 2.
S. vaginiflorus (Torr.) Wood. Poverty Grass. 1,2.
Stipa comata Trin. & Rupr. Needle Grass. 1.
S. spartea Trin. Porcupine Grass. 1,2.
S. viridula Trin. Feather Bunchgrass. 1,2.
Triplasis purpurea (Walt.) Chapm. Purple Sandgrass. 1.
Vulpia octoflora (Walt.) Rydb. Sixweek Grass. 1.

GUTTIFERAE

Hypericum boreale (Britt.) Bickn. Northern St. John's-Wort. 5.
H. canadense L. Canada St. John's-Wort. 5.
H. punctatum Lam. Spotted St. John's-Wort. 1.
H. perforatum L. Common St. John's-Wort. 1.

IRIDACEAE

Iris versicolor L. Northern Blue-flag. 4,6.
Sisyrinchium campestre Bickn. Blue-eyed Grass. 2.

JUNCAEAE

Juncus effusus L. Soft Rush. 4,7.
J. tenuis Willd. Path Rush. 5,6,8.

LABIATAE

Galeopsis tetrahit L. Hemp Nettle. 5.
Hedeoma hispida Pursh. Mock Pennyroyal. 1.
Lycopus americanus Muhl. Water Horehound. 5.
L. virginicus L. Water Horehound. 5.
L. uniflorus Michx. Bugleweed. 6.
Monarda fistulosa Michx. Wild Bergamot. 2,3.
M. punctata L. Horsemint. 2.
Nepeta cataria L. Catnip. 5.
Prunella vulgaris L. var. *lanceolata* (Bart.) Fern. Selfheal. 5,8.
Scutellaria epilobifolia A. Hamil. Marsh Skullcap. 5.
Stachys tenuifolia Willd. var. *hispida* (Pursh.) Fern. Hedge Nettle. 5.

Teucrium canadense L. Wood Sage. 6.

LEGUMINOSAE

Amorpha canescens Pursh. Lead Plant. 2.
Baptisia leucantha T. & G. White Wild Indigo. 2.
Desmodium canescens (L.) DC. Tick Trefoil. 2.
D. nudiflorum (L.) DC. Woodland Trefoil. 2.
Glycyrrhiza lepidota Pursh. Wild Licorice. 1.
Lathyrus ochroleucus Hook. Wild Pea. 6.
Lepedeza capitata Michx. Bush Clover. 2.
Lotus americanus (Nutt.) Bisch. Prairie Trefoil. 1.
Lupinus perennis L. Wild Lupine. 1,2.
Medicago lupulina L. Black Medick. 3.
Petalostemum purpureum (Vent.) Rydb. Prairie Clover. 2.
Trifolium arvense L. Rabbit-foot Clover. 1.
T. agarium L. Hop Clover. 1.

LILIACEAE

Aletris farinosa L. Unicorn Root. 5.
Allium tricoccum Ait. Wild Leek. 8.
Clintonia borealis (Ait.) Raf. Bluebead Lily. 8.
Hemerocallis fulva L. Orange Day Lily.
Lilium michiganense Farw. Michigan Lily. 5.
Maianthemum canadense Desf. Canada Mayflower. 8.
Polygonatum biflorum (Walt.) Ell. Solomon's Seal. 6.
Smilacina racemosa (L.) Desf. False Spikenard. 8.
Smilax hispida Muhl. Bristly Greenbriar. 8.
Uvularia sessilifolia L. Small Bellwort. 8.

MENISPERMACEAE

Menispermum canadense L. Moonseed. 7,8.

MYRICACEAE

Comptonia peregrina (L.) Coult. Sweet Fern. 1,3.

MORACEAE

Cannabis sativa L. Marijuana. 5.

NYCTAGINACEAE

Mirabilis hirsuta (Pursh) MacM. Western Four-O'Clock. 1.
M. nyctaginea (Michx.) MacM. Wild Four-O'Clock. 1.

OLEACEAE

Fraxinus americana L. White Ash. 7.
F. pennsylvanica Marsh. var. *subintegerrima* (Vahl) Fern. Green Ash. 8.

ONAGRACEAE

Circaea quadrisculata (Maxim.) Fr. & Sav. Enchanter's Nightshade. 8.
Epilobium angustifolium L. Fireweed. 5.
E. glandulosum Lehm. var. *adenocaulon* (Haussk.) Fern. Willow Herb. 5.
E. leptophyllum Raf. Willow Herb. 5.
Oenothera biennis L. Biennial Evening-primrose. 1.
O. perennis L. Sundrops. 1.
O. rhombipetala Nutt. Sand Evening-primrose. 1.

ORCHIDACEAE

Corallorhiza maculata Raf. Spotted Coral-root. 8.

C. trifida Chat. Early Coral-root. 8.

PHRYMATACEAE

Phryma leptostachya L. Lopseed. 8.

PLANTAGINACEAE

Plantago aristata Michx. Bracted Plantain. 1.
P. major L. Common Plantain. 1.
P. purshii R. & S. Woolly Plantain. 1.
P. rugelii Dcne. Red-stemmed Plantain. 1.
P. X spinulosa Dcne. (*P. aristata* X *P. patagonica*). 1.

POLEMONICEAE

Phlox pilosa L. Prairie Phlox. 2.

POLYGALACEAE

Polygala polygama Walt. Purple Milkwort. 5.

POLYGONACEAE

Polygonella articulata (L.) Meisn. Jointweed. 1.
Polygonum arifolium L. Halberdleaf Tearthumb. 4.
P. aviculare L. Knotweed. 1.
P. cilinode Michx. Climbing Buckwheat. 1,5.
P. sagittatum L. Arrowleaf Tearthumb. 4,7.
Rumex acetosella L. Sheep Sorrel. 1.
R. mexicanus Meisn. Mexican Dock. 6.
R. venosus Pursh. Wild Begonia. 1.
R. verticillatus L. Swamp Dock. 6.
Tovara virginiana (L.) Raf. Jumpseed. 7,8.

PRIMULACEAE

Lysimachia ciliata L. Fringed Loosestrife. 5.
L. lanceolata Walt. Lanceleaf Loosestrife. 1,3.
L. X conmixta Fern. (*L. terrestris* X *L. thyrsiflora*). 4,6.
L. quadrifolia L. Whorled Loosestrife. 5.
L. terrestris BSP. Swamp Candles. 6.
L. thyrsiflora L. Tufted Loosestrife. 6.
Trientalis borealis Raf. Starflower. 8.

PORTULACCACEAE

Portulacca oleracea L. Common Purslane. 1.

RANUNCULACEAE

Actaea ruba (Ait.) Willd. Red Baneberry. 8.
Anemone cylindrica Gray. Slenderheaded Thimbleweed. 2.
A. quinquefolia L. var. *interior* Fern. Wood Anemone. 8.
A. virginiana L. Tall Thimbleweed. 3.
Aquilegia canadensis L. Wild Columbine. 8.
Caltha palustris L. Marsh Marigold. 6.
Clematis virginiana L. Virgin's Bower. 8.
Hepatica americana (DC.) Ker. Round-lobed Hepatica. 3,8.
Ranunculus rhomboideus Goldie. Early Buttercup. 1,3.
Thalictrum dasycarpum Fisch. & Lall. Purple Meadow Rue. 6.

RHAMNACEAE

Ceanothus americanus L. New Jersey Tea. 2,3.

ROSACEAE

Agrimonia pubescens Wallr. Soft Agrimony. 1.

VASCULAR PLANTS OF "WHITING TRIANGLE"

- Crataegus* sp. Hawthorn. 3.
Fragaria virginiana Duchesne. Wild Strawberry. 3.
Physocarpus opulifolius (L.) Maxim. Ninebark. 6.
Potentilla argentea L. Silvery Cinquefoil. 1.
P. arguta Pursh. Tall Cinquefoil. 2.
P. norvegica L. Rough Cinquefoil. 1.
P. recta L. Sulfur Cinquefoil. 1.
P. simplex Michx. Old Field Cinquefoil. 1,5.
Prunus pennsylvanica L. f. Pin Cherry. 3.
P. serotina Ehrh. Black Cherry. 3.
Pyrus melanocarpa (Michx.) Willd. Black Chokeberry. 6,8.
Rosa spp. Wild Roses. 3.
Rubus allegheniensis Porter. Common Branble. 3.
R. hispidus L. Swamp Dewberry. 5,8.
R. occidentalis L. Black Raspberry. 3.
R. ostryifolius Rydb. Blackberry. 3.
R. pubescens Raf. Dwarf Raspberry. 3.

RUBIACEAE

- Galium boreale* L. Northern Bedstraw. 3.
G. obtusum Bigel. Wild Madder. 8.
Houstonia longifolia Gaertn. Bluets. 5.
Mitchella repens L. Partridgeberry. 3.

RUTACEAE

- Xanthoxylum americanum* Mill. Prickly Ash. 8.
Populus grandidentata Michx. Large-tooth Aspen. 8.
P. tremuloides Michx. Trembling Aspen. 8.
Salix bebbiana Sarg. Beaked Willow. 6.
S. humilis Marsh. Prairie Willow. 6.
S. interior Rowlee. Sandbar Willow. 6.
S. petiolaris Sm. Slender Willow. 6.
S. rigida Muhl. Heartleaf Willow. 6.

SANTALACEAE

- Comandra umbellata* (L.) Nutt. Bastard Toadflax. 3.

SAXIFRAGACEAE

- Heuchera americana* L. Alumroot. 2.
Ribes americanum Mill. Wild Black Currant. 6.
R. missouriense Nutt. Missouri Gooseberry. 6.

SCROPHULARIACEAE

- Gerardia tenuifolia* Vahl. Slender Gerardia. 4.
Gratiola neglecta Torr. Clammy Hedge-hyssop. 5.
Linaria canadensis (L.) Dum. Blue Toadflax. 1,5.
L. vulgaris Hill. Butter-and-eggs. 1.
Melampyrum lineare Desr. Cow-wheat. 5.
Mimulus ringens L. Monkey Flower. 4,5.

- Penstemon grandiflorus* Nutt. Large-flowered Beard Tongue. 1,2.
P. gracilis Nutt. var. *wisconsinensis* (Pennell) Fassett. Slender Beard Tongue. 1.
Scrophularia lanceolata Pursh. Early Figwort. 6.
Verbascum thapsus L. Mullein. 1.

SOLANACEAE

- Physalis heterophylla* Nees. Clammy Ground-cherry. 1,5.
Solanum dulcamara L. Bittersweet Nightshade. 6.

TYPHACEAE

- Typha angustifolia* Narrowleaf Cattail. 4.
T. latifolia L. Broadleaf Cattail. 4.

ULMACEAE

- Celtis occidentalis* L. Hackberry. 8.
Ulmus americana L. American Elm. 6,8.

UMBELLIFERAE

- Cryptotaenia canadensis* (L.) DC. Honewort. 8.
Heraclium maximum Bartr. Cow Parsnip. 4.
Osmorhiza claytoni (Michx.) Clarke. Sweet Cicely. 6.
Zizia aurea (L.) Koch. Golden Alexanders. 6.

VIOLACEAE

- Viola lanceolata* L. Lanceleaf Violet. 5.
V. sagittata Ait. Arrowleaf Violet. 5.
V. pubescens Ait. Downy Yellow Violet. 8.
V. papilionacea Pursh. Meadow Violet. 5.

URTICACEAE

- Parietaria pennsylvanica* Muhl. Pellitory. 7,8.
Laportea canadensis (L.) Wedd. Wood Nettle. 7.
Urtica dioica L. var. *procera* (Muhl.) Wedd. Stinging Nettle. 4,6,7.

VERBENACEAE

- Verbena stricta* Vent. Hoary Vervain. 1.
V. urticifolia L. White Vervain. 4,5.

VITACEAE

- Vitis riparia* Michx. Riverbank Grape. 6,8.

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