

KOLP, M. R., M. T. CHANSLER, G. E. CROW, L. ALAN PRATHER. 2020. Declining native species richness in natural areas in eastern North America: An example from Baker Woodlot in central Michigan. *Rhodora*.

APPENDIX 1

Annotated checklist of Vascular Plants of Baker Woodlot,
Michigan State University Campus, East Lansing, Michigan, U.S.A.

This checklist includes all taxa encountered in the recent 2010s inventory and those of the historic inventory in the 1970s (Stevens and Beach 1980). The sequence of taxa in the updated checklist is by major groups (pteridophytes, gymnosperms, monocots, primitive angiosperms, eudicots) with families alphabetically arranged, and species likewise within families. Family assignment of genera as well as nomenclature of species adopted here follows the classification in Voss and Reznicek (2012) and the frequently updated Michigan Flora online (Reznicek et al. 2020). Information from the recent inventory comes first under each taxon, with voucher specimens cited, followed by the 1970s information gleaned from Stevens and Beach (1980) along with the voucher specimens cited in that paper. In several cases, the nomenclature has changed, or specimen identifications were corrected/annotated; synonyms are indicated in parenthesis. All voucher specimens have been deposited in the Michigan State University Herbarium (MSC). State-listed Threatened or Endangered species are so indicated. There are three new county records: *Epilobium hirsutum* L., *Veronica filiformis* Sm., and *Galium odoratum* (L.) Scop.

An asterisk “*” indicates a nonnative (exotic) species. A double dagger “‡” indicates species that have been planted, either before the 1970s inventory, or more recently. General directions are sometimes given for certain taxa within Baker Woodlot using cardinal (N, S, E, W) and ordinal (NE, SE, SW, NW) directions, and often combined with the abbreviation for central (cent.), as in N-cent. (north-central). Planted species, including ornamentals that are also native in Michigan, such as *Cercis canadensis* (redbud), were included in this comprehensive checklist of all vascular plant species but were excluded from the analyses presented in the text. It is important to account for both historical plantings and the possible persistence of recent plantings for future inventories of this highly valued natural area.

PTERIDOPHYTES

ATHYRIACEAE (LADY FERN FAMILY)

Athyrium filix-femina (L.) Roth.; lady fern – Moist soil, N-cent. and S-cent. woods, widely scattered; *Godden* 25, 29. 1970s: Scattered in rich S-cent. woods; *Bordner* 119; *Flanders*, 72, 85 162; *Stevens* 964.

CYSTOPTERIDACEAE (FRAGILE FERN FAMILY)

Cystopteris fragilis (L.) Bernh.; fragile fern – Not encountered. 1970s: Cent. woods; apparently rare; *Flanders* 207B.

DENNSTAEDTIACEAE (HAY-SENTED FERN or BRACKEN FERN FAMILY)

Pteridium aquilinum (L.) Kuhn; bracken, bracken fern, brake – W-cent. and N-cent. woods; *Crow* 10599; *Godden* 17. 1970s: Not encountered.

DRYOPTERIDACEAE (WOODFERN FAMILY)

Dryopteris carthusiana (Vill.) H. P. Fuchs; spinulose woodfern – Scattered through woods, moist soil; *Crow 10518*; *Godden 2, 20*; *Walker 4*. 1970s: (as *Dryopteris spinulosa*). Scattered in cent. and S-cent. woods; *Stevens 963, 965, 967, 970, 971*.

Dryopteris intermedia (Willd.) A. Gray; evergreen woodfern – Small populations, moist soil, under maples; *Walker 10*. 1970s: Not encountered.

Polystichum acrostichoides (Michx.) Schott; Christmas fern – Scattered clumps, rich woods, cent., E, and SE section woods; *Godden 4*; *Rachwal & Walker 3*; *Smith 58*. 1970s: Scattered in cent. and S-cent. woods; *Beach 1138*; *Flanders 92*; *Stevens 969*.

EQUISETACEAE (HORSETAIL FAMILY)

Equisetum arvense L.; common horsetail – S edge of woods in wet soil in ditch along railroad tracks, and SW corner on road embankment outside fence; *Crow 10526, 10536, 10616*; *Godden 5*; *Rachwal & Walker 4*. 1970s: SE corner woods; *Disosway 23*.

Equisetum hyemale L.; scouring rush – Not encountered. 1970s: Cent. woods; *Flanders 168*.

OPHIOGLOSSACEAE (ADDER'S-TONGUE FAMILY)

Botrypus virginianus (L.) Michx.; rattlesnake fern – Not encountered. 1970s: (as *Botrychium dissectum*). Scattered, cent. and S-cent. woods; *Flanders 64*; *Stevens 849, 966*.

Sceptridium dissectum (Spreng.) Lyon; cut-leaved grape-fern – Not encountered. 1970s: (as *Botrychium dissectum*). Cent. woods; *Flanders 194*.

ONOCLEACEAE (SENSITIVE FERN FAMILY)

Onoclea sensibilis L.; sensitive fern – Scattered throughout woods; *Godden 6; Kolp 12.*

1970s: Scattered through woods, especially wet places; *Flanders 73; Stevens 961.*

OSMUNDACEAE (ROYAL FERN FAMILY)

Osmunda claytoniana L.; interrupted fern – W ponds; *Chansler 37; Crow 10612.* 1970s:

Common around W ponds; *Beach 1098B, 1182; Bordner 123; Stevens 959.*

Osmunda regalis L.; royal fern – W ponds; uncommon, moist hollow S side of small pond along W fence, very wet soil at margin of pond N-cent. woods and swampy sites; *Crow 10600; Godden 21.* 1970s: Occasional, around W ponds; *Beach 1098A; Stevens 957.*

Osmundastrum cinnamomeum (L.) C. Presl; cinnamon fern – Uncommon, only seen in moist hollow S of small pond along W fence; *Crow 10586; Godden 28.* 1970s: (as *Osmunda cinnamomea*). Near edge of middle W pond; rare; *Bordner 115.*

PTERIDACEAE (BREAK FERN OR MAIDENHAIRFERN FAMILY)

Adiantum pedatum L.; maidenhair fern – Locally common, scattered, small populations rich W-cent. and S-cent. woods; *Chansler 9; Godden 15.* 1970s: Scattered, rich S-cent. woods; *Borden 116; Flanders 17; Stevens 962.*

THELYPTERIDACEAE (MARSH FERN FAMILY)

Phegopteris hexagonoptera Fée; broad beech-fern – S-cent.; *Godden 16, 31.* 1970s: Not encountered.

Thelypteris noveboracensis (L.) Nieuwl.; New York fern – Wet swampy area, locally abundant, NW woods; *Godden 26; Quimby 10.* 1970s: Scattered throughout woods; *Beach 1097, 1099; Bordner 124; Flanders 79; Stevens 958.*

GYMNOSPERMS

CUPRESSACEAE (CYPRESS FAMILY)

*‡*Juniperus chinensis* L.; Chinese juniper – Ornamental; planted on road bank edge between fence and Farm Lane; *Fung 32; Kolp 113*. 1970s: Not encountered.

Juniperus communis L.; common juniper, ground juniper – E side of NW pond, with *Rosa multiflora, Lonicera* spp.; *Goch 244*. 1970s: Not encountered.

Juniperus virginiana L.; red cedar – Single tree, S edge along railroad tracks; *Goch 236; Rachwal & Walker 6*. 1970s: Not encountered.

‡*Thuja occidentalis* L.; white cedar, arbor vitae – Not encountered. 1970s: Planted in NW corner with black walnuts; many surviving until 1970 when all but one removed by road construction; *Stevens 885*.

PINACEAE (PINE FAMILY)

*‡*Pinus ponderosa* P. Lawson & C. Lawson; ponderosa pine – Locally common SW edge woods; *Springer 1327*. 1970s: S end of woods; planted; *Beach 1120*.

Pinus strobus L.; white pine – NE corner woods, outside fence; *Goch 44*. 1970s: Few, very stunted trees, W-cent. woods; probably planted; *Stevens 944*.

*‡*Pseudotsuga menziesii* (Mirb.) Franco; Douglas-fir – Small stand of trees, S and W woods; *Goch 55; Kolp 6*. 1970s: Stunted trees, scattered in SW woods; planted; *Stevens 858*. Beech and Stevens (1979) indicated that the silviculture class planted Douglas-fir seedlings in 1925 along the west edge, assuming that a shade intolerant species could not persist in the dark understory; 50 years later a few dozen scraggly 1–2 inch diameter trees, mostly a few feet high, were barely hanging on. Yet, 90+ years later, a small stand of trees persists.

‡*Tsuga canadensis* (L.) Carrière; eastern hemlock – Not encountered. 1970s: Single small tree, N edge, probably a nursery relic; *Beach 1005*.

TAXACEAE (YEW FAMILY)

Taxus canadensis Willd.; Canada yew – One small shrub, S and cent. trails, W side of woods; *Chansler 19*. 1970s: (as *Taxus* sp.). Several seedlings scattered in central woods; probably adventive; *Stevens 1670*.

*‡*Taxus cuspidatus* Siebold & Zucc.; Japanese yew – Ornamental; NE corner woods off primary trail, possibly planted; *Chansler 29*. 1970s: Not encountered.

ANGIOSPERMS: MONOCOTS

ALISMATACEAE (WATER-PLANTAIN FAMILY)

Alisma subcordatum Raf.; southern water-plantain – SW edge of woods, wet places in ditch along railroad track; *Goch 166*. 1970s: (as *Alisma plantago-aquatica* L.). Scattered in wet places along S edge; *Beach 1064*.

ALLIACEAE (ONION FAMILY)

Allium tricoccum Aiton; Ramps, wild leek – Scattered, often in large patches, wet, swampy/mucky sites, cent. and S woods; *Goch 155, 282; Godden 32; Kolp 117*. 1970s: Locally common in S woods, forming large patches; *Stevens 292, 1614*.

AMARYLLIDACEAE (AMARYLLIS FAMILY)

*‡*Narcissus* cf. *pseudonarcissus* L., daffodil – Ornamental; planted by NW entrance; *Goch 57*. 1970s: Not encountered.

ARACEAE (ARUM FAMILY)

Arisaema triphyllum (L.) Schott; Jack-in-the-pulpit – Common, moist soil, scattered in woods; *Goch 63*; *Kolp 2*. 1970s: Scattered through woods; *Beach 1009*; *Flanders 45*.

Calla palustris L.; wild calla – Locally abundant, emergent in large SW pond near W trail; *Crow 10614*; *Goch 118*. 1970s: Thriving in SW pond and partially covering it; *Stevens 1076*.

Lemna minor L.; common duckweed – Abundant, free-floating in N-cent. and W ponds; *Crow 10514, 10519, 10609*. 1970s: Abundant on W ponds; *Beach 1197*.

Lemna trisulca L.; star duckweed – Abundant, free-floating just below water surface in pond at N-cent. edge woods; *Crow 10515*. 1970s: Not encountered.

ASPARAGACEAE (ASPARAGUS FAMILY)

**Asparagus officinalis* L.; garden asparagus – Not encountered. 1970s: Adventive along E edge; *Stevens 941*.

CONVALLARIACEAE (LILY-OF-THE-VALLEY FAMILY)

Maianthemum canadense Desf.; Canada mayflower, false lily-of-the-valley – Abundant, throughout woods; *Goch 88*; *Godden 19*; *Lincoln 13*. 1970s: S woods, uncommon; *Beach 1040*; *Stevens 347*.

Maianthemum racemosum (L.) Link; false spikenard – Scattered throughout woods; *Goch 99*. 1970s: (as *Smilacina racemosa*). Scattered through woods; *Beach 1034*; *Flanders 14*; *Stevens 350*.

Maianthemum stellatum (L.) Link; starry false solomon-seal – Uncommon, SE woods; *Springer 1313*. 1970s: (as *Smilacina stellata*). S-cent. woods, uncommon; *Stevens 311*.

Medeola virginiana L.; Indian cucumber-root – Apparently rare, edge of SW pond;

Godden 18. 1970s: Near SW pond, rare; *Beach 1118*.

Polygonatum pubescens (Willd.) Pursh; downy Solomon-seal – Scattered, NW and W

side; *Goch 74*; *Springer 1304*. 1970s: Scattered in cent. woods; *Beach 1213*;

Flanders 149, 207A; *Stevens 330*.

Uvularia grandiflora Sm.; bellwort – Cent. woods; *Goch 66*. 1970s: Scattered in cent.

and S-cent. woods; *Flanders 2, 53, 153*; *Stevens 295*.

CYPERACEAE (SEDGE FAMILY)

Carex albursina E. Sheld.; white bear sedge – Uncommon, one plant along edge E trail

and one clump along E–W trail, N side; *Crow 10592, 10632*. 1970s: Not

encountered.

Carex aurea Nutt.; golden sedge – Not encountered. 1970s: Locally common in open wet

places along S edge; *Stevens 1564*.

Carex bebbii (L. H. Bailey) Fernald; Bebb's sedge – Few plants, S in ditch along railroad

tracks, normally wet but dry at collection; *Chansler 51*. 1970s: Not encountered.

Carex blanda Dewey; eastern woodland sedge – Common, throughout woods; *Chansler*

4, 14; *Crow 10587, 10598, 10605*; *Goch 253, 256*; *Kolp 92*; *Lincoln 11*; *Springer*

1308. 1970s: Scattered throughout woods; *Stevens 332, 868, 903, 915, 1674*.

Carex cephaloidea (Dewey) Dewey; thinleaf sedge – Not encountered. 1970s: Cent.

woods, rare; *Stevens 973*.

Carex cephalophora Willd.; oval-leaf sedge – Uncommon, W section and SW end near

trail entrance; *Kolp 10*; *Springer 1323*. 1970s: Along trail near W entrance,

apparently rare; *Stevens 916*.

Carex crinita Lam.; fringed sedge – S woods, two plants, wet site; *Chansler 65*. 1970s:

Not encountered.

Carex disperma Dewey; softleaf sedge – Locally abundant in swampy area, S-cent.; *Kolp*

85. 1970s: Not encountered.

Carex echinodes (Fernald) P. Rothr., Reznicek & Hipp; quill sedge – Rare, E-cent. woods and NW entrance to woods; *Kolp 14*; *Springer 1458*. 1970s: (as *Carex tenera*).

Along drainage ditch in NW woods; *Stevens 910*.

Carex gracillima Schwein.; graceful sedge – Occasional, scattered in woods, of wet soil;

Crow 10583; *Kolp 5, 31, 90*. 1970s: Scattered in woods, deep shade; *Beach 1075, 1096*.

Carex grisea Wahlenb.; inflated narrow-leaf sedge – Few individuals, S-cent. woods;

Kolp 13. 1970s: Not encountered.

Carex hirtifolia Mack.; pubescent sedge – Scattered, S-cent. woods; *Chansler 5*; *Crow*

10527; *Goch 251*; *Kolp 7, 84*. 1970s: Not encountered.

Carex intumescens Rudge; greater bladder sedge – Few plants, wet sites, S-cent. woods;

Kolp 11. 1970s: Cent. and S-cent. woods; *Beach 1052*; *Stevens 974, 1085C*.

Carex laxiflora Lam.; broad looseflower sedge – Scattered throughout; *Chansler 6*; *Kolp*

16, 80, 83. 1970s: Not encountered.

Carex lupulina Willd; hop sedge – Sparse, widely scattered in wet sites; *Chansler 26*;

Kolp 18, 33; *Smith 12*. 1970s: Not encountered.

Carex normalis Mack.; greater straw sedge – Sparse, NW corner near fence, and E-cent

woods; *Goch 100*; *Kolp 14*. 1970s: Not encountered.

Carex pensylvanica Lam; Pennsylvania sedge – Occasional, NW corner, W side and SE corner woods, sandy places, usually forming “lawn-like” patches; *Crow 10521, 10584; Goch 250*. 1970s: Sandy places in W woods; *Stevens 854*.

Carex radiata (Wahlenb.) Small; straight-styled wood sedge or eastern star sedge – Occasional, scattered wet sites, S and S-cent., and margin of large pond N-cent. edge of woods; *Crow 10581, 10589, 10597, 10604*. 1970s: (as *Carex rosea* of *Michigan Flora*, Voss 1972). Few, in E-cent. woods and N edge, wet; *Stevens 832, 874*.

Carex rosea Willd.; curly-styled wood sedge or rosy sedge – Damp to wet places, scattered in woods, uncommon; *Crow 10516; Goch 257; Springer 1322*. 1970s: (as *Carex convoluta* of *Michigan Flora*, Voss 1972). Scattered, but not common, cent. and W-cent.; *Beach 1095; Stevens 832, 874, 972*.

Carex scoparia Willd.; broom sedge – Uncommon, S edge, wet soil of railroad ditch; *Helling 6*. 1970s: Not encountered.

Carex sparganioides Willd.; bur-reed sedge – Occasional, scattered widely throughout; *Crow 10617; Goch 151; Godden 13; Smith 8; Springer 1454*. 1970s: Wet places near cent. trail; *Stevens 973*.

Carex sprengelii Spreng.; Sprengel’s sedge – Not encountered. 1970s: S-cent. woods; *Stevens 867, 879*.

Carex stipata Willd.; awlfruit sedge – Sparse, wet places, N section on margin of pond; *Chansler 11; Kolp 32*. 1970s: Not encountered.

Carex tenera Dewey; quill sedge – Sparse, scattered, especially near NW pond; *Chansler 30*. 1970s: Not encountered. Note that in Stevens and Beach (1980), the specimen

Stevens 910 was identified as *C. tenera*; it was later annotated as *C. echinodes* by A. A. Reznicek, a taxon only recently (in 2009) segregated as a distinct species—thus the specimen is cited under *C. echinoides*. As a consequence, *C. tenera* is listed herein as “new” to the flora.

Carex vulpinoidea Michx.; fox sedge – Common on margin N side of pond N-cent. edge, and S edge, wet ditch along railroad tracks; *Chansler 25*; *Crow 10582*; *Kolp 19, 44*. 1970s: Wet pools along S edge; *Stevens 1563B*.

Carex woodii Dewey; pretty sedge – Occasional, on slightly raised area in wet woods, SE woodlot; *Crow 10532*. 1970s: In cent. woods; *Disosway 37*; *Stevens 280*.

Cyperus esculentus L.; yellow nutsedge – Local, wet soil near drainage ditch, S edge woods; *Fung 12*. 1970s: Not encountered.

Eleocharis obtusa (Willd.) Schult.; blunt spike-rush – Not encountered. 1970s: Small group of plants on log in SW pond; *Beach 1121*.

Scirpus atrovirens Willd.; green bulrush – Several plants, wet ditch on S edge along railroad tracks; *Kolp 17*. 1970s: Common in wet ditch along railroad tracks, S edge; *Beach 1163*; *Stevens 1563*.

Scirpus pendulus Muhl.; rufous bulrush – Few plants in pools of ditch along railroad tracks, S edge woods; *Kolp 105*. 1970s: Common, wet places along S edge; *Beach 1089, 1164*; *Stevens 1578*.

DIOSCOREACEAE (YAM FAMILY)

Dioscorea villosa L.; wild yam – Uncommon, NW corner at fence, edge of woods; *Goch 278*. 1970s: Uncommon in S woods; *Flanders 107*.

HYACINTHACEAE (HYACINTH FAMILY)

*‡*Hyacinthus orientalis* L.; hyacinth Probably planted, open edge outside fence of NE entrance; *Goch 60*. 1970s: Not encountered. Not regarded by Voss and Reznicek (2012) as established in Michigan without cultivation.

**Muscari* cf. *botryoides* (L.) Mill.; grape-hyacinth – Open edge outside fence of NE entrance; probably planted; *Goch 59*. 1970s: Not encountered.

IRIDACEAE (IRIS FAMILY)

Iris virginica L.; southern blue flag – S edge and S-central, wet areas of ditch along railroad tracks, also along margin W pond; *Chansler 15*; *Springer 1344*. 1970s: Wet places along S-edge and in S-cent. woods, uncommon; *Beach 1027*; *Stevens 1535*.

JUNCACEAE (RUSH FAMILY)

Juncus acuminatus Michx.; sharp-fruited rush – Not encountered. 1970s: (as *Juncus canadensis*). Wet places along S edge; the only specimen collected too young for positive identification; *Beach 1080*.

Juncus canadensis J. Gay ex Laharpe; Canadian rush – Wet places, S edge of woods in ditch along railroad tracks; *Goch 198*. 1970s: Not encountered.

Juncus dudleyi Wiegand; Dudley's rush – Occasional, wet soil, along eastern trail of woods, and along S edge of in ditch along railroad tracks; *Kolp 104*; *Springer 1332*. 1970s: Locally common, wet places along S edge; *Stevens 1562*.

Juncus tenuis Willd.; path rush – Common, along N trail, and NW corner along trail; *Springer 1376, 1453*. 1970s: Not encountered.

Luzula acuminata Raf.; hairy wood rush – Not encountered. 1970s: Scattered through drier parts of cent. woods; *Stevens 275, 880*.

LILIACEAE (LILY FAMILY)

Erythronium americanum (Aiton) Ker Gawl.; yellow trout lily – Scattered widely, often forming large patches; *Goch 89; Lincoln 8*. 1970s: In drier areas, abundant; *Flanders 3, 10; Grashoff 47; Stevens 273*.

Lilium michiganense Farw.; Michigan lily – Uncommon, S-cent. woods; *Chansler 59*.
1970s: Rich S-cent. woods, uncommon; *Stevens 1600*.

ORCHIDACEAE (ORCHID FAMILY)

Aplectrum hyemale (Muhl. ex Willd.) Torr.; putty-root, Adam-and-Eve – Not encountered. 1970s: Rare in woods, locally common in S woods; *Beach 1146; N. G. Miller s.n.* (24 May 1964).

Corallorhiza maculata Nutt.; spotted coral-root – Disturbed area along trail, W-cent., rare; *Goch 182*. 1970s: Not encountered.

Cypripedium parviflorum Salisb.; yellow lady-slipper – Rare, single dead plant seen [specimen badly degraded]; *Godden 33*. 1970s: (as *Cypripedium calceolus*).
Three small groups of plants, S -cent. and SW woods, rare; *Flanders 60; Stevens 870*.

**Epipactis helleborine* (L.) Cranz; helleborine – Very rare, S section of woods along fence row; *Godden 7*. 1970s: Not encountered.

Galearis spectabilis (L.) Raf.; showy orchis – Not encountered. 1970s: (as *Orchis spectabilis*). One group of 6 plants, rich S-cent. woods; *Stevens 335*.

POACEAE (GRASS FAMILY)

Agrostis gigantea Roth; redtop – Disturbed area outside fence, S section along railroad tracks; *Chansler 63*; *Smith 1*. 1970s: Occasional along N and E edges; *Beach 1115*; *Stevens 1601*.

**Anthoxanthum odoratum* L.; sweet vernal grass – Single plant, disturbed area outside fence on S edge near railroad tracks; *Chansler 29*. 1970s: Not encountered.

**Arrhenatherum elatius* (L.) J. Presl & C. Presl; tall oatgrass – W side near fence, uncommon; *Crow 10520, 10611*; *Kolp 78*. 1970s: Scattered, common along S side in 1972, but not seen since; *Stevens 1560*.

Brachyelytrum erectum (Roth) P. Beauv.; long-awned wood grass – Uncommon, scattered N-cent. woods along trail, cent. woods, and S-cent. woods; *Crow 10692*; *Goch 142*; *Kolp 40*. 1970s: Scattered through woods; *Beach 1043*; *Flanders 128, 210, 227*; *Stevens 1603B*.

**Bromus inermis* Leyss.; smooth brome – NE entrance just outside fence, and W edge outside fence; *Goch 121*; *Smith 16*. 1970s: Common along E edge, waste places; *Beach 1159*; *Stevens 1576*.

Bromus nottowayanus Fernald; satin brome – S woods, sparse; *Chansler 56*. 1970s: (as *Bromus pubescens*). In S woods, uncommon; *Flanders 88*; *Stevens 2100*.

Bromus pubescens Willd.; Canada brome – Not encountered. 1970s: (as *Bromus latiglumis*). Cent. woods, rare; *Stevens 968*.

**Bromus tectorum* L.; downy chess, cheat grass – Single plant growing on embankment at railroad overpass SW corner just outside fence; *Crow 10615*. 1970s: Not encountered.

- Calamagrostis canadensis* (Michx.) P. Beauv.; blue-joint – Not encountered. 1970s: In wet places of ditch along railroad tracks at S edge; *Beach 1068*.
- Cinna arundinacea* L.; wood reedgrass – Uncommon; *Chansler 71*; *Smith 6, 10*. 1970s: Cent. woods, apparently rare; *Flanders 166*.
- **Cynodon dactylon* (L.) Pers.; Bermuda grass – E-cent. entrance, in open area; *Goch 311*. 1970s: Not encountered.
- **Dactylis glomerata* L.; orchard grass – NW entrance near fence, common; *Goch 265*; *Kolp 114*; *Springer 1378*. 1970s: Common along path near main W entrance; *Beach 1057*.
- Dichanthelium implicatum* (Scribn.) Kerguelén; panic grass – Disturbed area outside fence, along railroad tracks; *Chansler 35*. 1970s: (as *Panicum implicatum*). Occasional in wet places, along S edge; *Stevens 1575*.
- Dichanthelium latifolium* (L.) Harvill; broad-leaved panic grass – S section, undisturbed shaded area outside fence and on edge of forest; *Chansler 66*; *Kolp 107*. 1970s: (as *Panicum latifolium*). In SE corner, uncommon; *Stevens 1561*.
- **Digitaria ischaemum* (Schreb.) Muhl.; smooth crab grass – Not encountered. 1970s: (as *Digitaria sanguinalis*). Weedy along E edge; *Stevens 2142*.
- **Echinochloa crus-galli* (L.) P. Beauv.; barnyard grass – S of Service Rd and E of Farm Lane, on the curb directly next to the crosswalk, *Smith 7*. 1970s: NW corner, common in low wet area; *Beach 1148, 1155*.
- **Echinochloa muricata* (P. Beauv.) Fernald; barnyard grass – Single plant in disturbed area outside fence; *Chansler 70*. 1970s: NW corner woods, common in low wet area; *Beach 1150, 1190*.

Elymus hystrix L.; bottlebrush grass – NW and W-cent. woods, scattered and occasional to locally common; *Goch 135*; *Godden 11*; *Kolp 34*; *Smith 9*; *Springer 1368*.

1970s: (as *Hystrix patula*). Common in drier places; *Flanders 54A*; *Stevens 951*.

**Elymus repens* (L.) Gould; quack grass – NE corner at entrance and SE entrance, just outside woods, disturbed places; *Goch 125*; *Smith 2*. 1970s: Not encountered.

Elymus villosus Willd.; silky wild-rye – Scattered throughout SE woods, uncommon; *Chansler 53*. 1970s: Uncommon, in S woods; *Stevens 1603A*.

Elymus virginicus L.; Virginia wild-rye – S woods near trail, and locally abundant at S edge by railroad tracks; *Chansler 57*; *Kolp 55*. 1970s: Scattered in woods near S edge; *Stevens 2111*.

Festuca subverticillata (Pers.) E. B. Alexeev; nodding fescue – Cent. woods, moist soil near swamp, uncommon; *Rachwal 1*. 1970s: (as *Festuca obtusa*). Uncommon, in S woods; *Stevens 1081A*.

**Festuca trachyphylla* (Hack.) Krajina; sheep fescue – Weedy in planted beds on slope along W fence; *Fung 19, 22*. 1970s: Not encountered.

Glyceria septentrionalis Hitchc.; floating manna grass – Not encountered. 1970s:

Frequent, in muck around a pond in 1962, probably in W woods, but not seen recently and perhaps no longer present; *Anderson 2172*.

Glyceria striata (Lam.) Hitchc.; fowl manna grass – In wet soils, especially by ponds and vernal pools, and in wet ditch along railroad tracks on S edge; *Crow 10694*; *Helling 3, 5*; *Kolp 22, 30*. 1970s: Common throughout woods; *Beach 1093*; *Flanders 87*; *Stevens 975, 1624*.

Leersia virginica Willd.; white grass – Locally abundant, scattered throughout woods;

Chansler 67; Goch 193; Smith 24. 1970s: frequent but scattered in W woods;

Anderson 2170; Flanders 209.

**Lolium perenne* L.; perennial ryegrass – Grassy area along fence on E edge woods;

Darish 1; Goch 123, 310. 1970s: Common weed along E edge; *Stevens 1557*.

Milium effusum L.; wood millet – NW pond shore; *Goch 113*. 1970s: Occasional, in rich

S-cent. woods; *Stevens 873*.

Muhlenbergia mexicana (L.) Trin.; leafy satin grass – Not encountered. 1970s: In shade

along S edge of woods, uncommon; *Stevens 2116*.

Muhlenbergia schreberi J. F. Gmel.; nimblewill – Not encountered. 1970s: Uncommon

weed along E edge woods; *Stevens 2144*.

Panicum capillare L.; witch grass – Open area at E-cent. entrance, and S edge woods

along railroad tracks; sparse; *Goch 311; Smith 18*. 1970s: Uncommon weed along

S edge; *Stevens 2106*.

Panicum virgatum L.; switch grass – Edge of pond in N-cent. woods; *Kolp 46*. 1970s:

Not encountered.

Phalaris arundinacea L.; reed canary grass – Along deer path in wet soils of N-cent.

woods, and N side outside fence; *Goch 131; Kolp 45; Smith 34*. 1970s: Common

in wet places along railroad tracks ditch on S edge and in NW corner; *Beach*

1044, 1226.

**Phleum pratense* L.; Timothy – Disturbed area at NE corner at entrance of woods; *Goch*

124. 1970s: Occasional weed around edges; *Stevens 952, 1577*.

Poa alsodes A. Gray; bluegrass – Scattered and locally common, especially along trails; *Chansler 18; Crow 10621; Goch 252; Springer 1453*. 1970s: Uncommon, along E trail; *Disosway 38; Stevens 862*.

**Poa annua* L.; annual bluegrass – Single clump in trail, SE side; *Crow 10622*. 1970s: Occasional weed long N edge; *Stevens 908*.

**Poa compressa* L.; Canada bluegrass – S edge by railroad tracks; *Chansler 24*. 1970s: Not encountered.

**Poa pratensis* L.; Kentucky bluegrass – Weed along trails and edges of woods; *Crow 10593; Goch 302; Kolp 87*. 1970s: Occasional along edges and trails; *Stevens 904, 917*.

**Secale cereale* L.; rye – NW corner along fence; *Goch 269*. 1970s: Adventive along E edge adjacent to fields; *Stevens 1556*.

**Setaria faberi* Herrm.; giant foxtail – Along railroad tracks at S end, and road bank along W edge outside fence.; *Fung 34; Goch 312; Smith 30*. 1970s: Not encountered.

**Setaria pumila* (Poir.) Roem. & Schult.; yellow foxtail – Disturbed area, dry rocky soil along railroad tracks; *Smith 19*. 1970s: (as *Setaria glauca*). Occasional weed along E edges; *Beach 1191*.

**Setaria viridis* (L.) P. Beauv.; green foxtail – Disturbed area along railroad tracks, S-cent. edge; *Chansler 52; Goch 222; Kolp 116; Smith 3*. 1970s: Not encountered.

SMILACACEAE (GREENBRIAR, CATBRIER, CARRION-FLOWER FAMILY)

Smilax ecirrata (Kunth) S. Watson; upright carrion-flower – Understory mature woods, locally abundant, cent. and S woods; *Crow 10618*; *Rachwal & Walker 2*; *Springer 1314*. 1970s: Scattered in cent. and S-cent. woods; *Disosway 13*; *Stevens 799*.

Smilax hispida Raf.; bristly greenbrier – Along main trail in cent. woods; *Goch 47, 143*. 1970s: (as *Smilax tamnoides* var. *hispida*). Scattered through drier parts of woods, uncommon; *Flanders 153*.

Smilax illinoensis Mangaly; carrion-flower – S-cent. woods near fence; *Goch 78*. 1970s: Scattered in cent. and S woods; *Disosway 52*; *Stevens 328, 872, 975*.

TRILLIACEAE (TRILLIUM FAMILY)

Trillium cernuum L.; nodding trillium – S woods, not common; *Kolp 89*. 1970s: In S woods, scattered but not common; *Stevens 314*.

Trillium grandiflorum (Michx.) Salisb.; common trillium – Throughout woods; *Goch 61*; *Lincoln 2*. 1970s: Common throughout woods; *Anderson 2242*; *Beach 1229*; *Flanders 12*; *Stevens 298*.

TYPHACEAE (CAT-TAIL FAMILY)

**Typha angustifolia* L.; narrow-leaved cat-tail – Open marsh, SE edge outside fence; *Goch 214*. 1970s: In NW pond; mostly disappeared since road construction N edge altered drainage; *Stevens 1581*.

Typha latifolia L.; common cat-tail – Not encountered. 1970s: Sparse in ponds along W edge; common in NW pond before road construction; *Stevens 1580*.

ANGIOSPERMS: DICOTS

ADOXACEAE (ADOXA OR ELDERBERRY FAMILY)

Sambucus canadensis L.; common elder, elderberry – Cent. woods and S section along S edge of pond; *Goch 71*; *Kolp 37*. 1970s: Occasional, disturbed places around edges; *Heaton 75-A*; *Stevens 1597*.

Sambucus racemosa L.; red-berried elder, red elderberry – Frequent to abundant, along N edge and corners E-cent. along trail; *Goch 22*; *Godden 8*; *Kolp 3, 64*; *Springer 1373*. 1970s: (as *Sambucus pubens* Michx.). Common, in disturbed places, especially in NE woods; *Beach 1011*; *Stevens 311*.

Viburnum acerifolium L.; maple-leaved viburnum – Cent. pond on west shore; *Goch 106*. 1970s: Common in drier places; *Flanders 104*; *Hamel 107*; *Heaton 54*; *Stevens 811, 948, 1613*.

Viburnum dentatum L.; arrowwood – Edge swampy area NW woods; *Godden 23*. 1970s: (as *Viburnum recognitum*). One cluster of small plants in central woods; *Stevens 2580*.

**Viburnum lantana* L. wayfaring tree – N and W edge outside fence, appeared planted, and NW pond shore forest edge; *Altus 1*; *Chansler 3*; *Crow 10595*; *Goch 176*; *Helling 11*. 1970s: Rare adventive in woods; *Flanders 158*.

Viburnum lentago L.; nannyberry – Uncommon, three large shrubs on edge of pond, N woods; *Chansler 10*. 1970s: Occasional in S half of woods; *Stevens 1080*.

**Viburnum opulus* L.; European highbush-cranberry – N-cent. edge outside fence, and N-cent. portion of woods; *Goch 90, 255*. 1970s: Scattered in N woods; *Beach 1184*; *Hamel 108*; *Stevens 348*.

**Viburnum plicatum* Thunb.; Japanese snowball – N trail at edge of vernal pond, and NW pond margin in woods; *Chansler 12*; *Goch 94*. 1970s: Scattered in central woods; *Beach 1186*; *Stevens 900, 1085-b*.

Viburnum rafinesquianum Schult.; downy arrow-wood – N woods, rare; *Crank s.n.* (Jun 2015). 1970s: Scattered throughout woods; *Flanders 193*; *Stevens 345, 1161*.

AMARANTHACEAE (GOOSEFOOT OR PIGWEED FAMILY)

**Chenopodium album* L.; lamb's-quarters – Weed, open area, NW corner outside fence; *Goch 187*. 1970s: Occasional weed along east edge; *Stevens 2139*.

**Salsola tragus* L.; Russian-thistle – Not encountered. 1970s: (as *Salsola kali*). Occasional, weedy on railroad ballast along S side; *Thomas 30*.

ANACARDIACEAE (CASHEW OR SUMAC FAMILY)

Rhus typhina L.; staghorn sumac – Common along S edge woods near fence line; *Springer 1358*. 1970s: Locally common along S and W edges; *Duvendeck 59*; *Stevens 943*; *Thomas 82*.

Toxicodendron radicans (L.) Kuntz; poison Ivy – Common in woods; *Goch 276*. 1970s: Common, especially where wet; *Beach 1026*; *Flanders 81*.

APIACEAE (CARROT OR PARSLEY FAMILY)

Cicuta maculata L.; spotted cowbane – S edge of woods, along railroad ditch and fence; *Goch 171*; *Godden 34*. 1970s: Scattered in wet places, S-cent. woods; *Beach 1041*; *Stevens 1609*.

Cryptotaenia canadensis (L.) DC.; honewort – Occasional, scattered in cent. woods; *Goch 117, 196, 280*; *Springer 1363*. 1970s: Scattered through woods; *Beach 1024*; *Flanders 50 A, 61*; *Stevens 945*.

**Daucus carota* L.; Queen-Ann's-lace, wild carrot – Open area along S railroad ditch, and W road bank outside fence; *Fung 30; Goch 164*. 1970s: Occasional weed around edges; *Stevens 1607; Thomas 1*.

Osmorhiza claytonii (Michx.) C. B. Clark; hairy sweet-cicely – Frequent, SE woods near ditch, and S woods; *Goch 81; Springer 1316*. 1970s: Apparently rare, SE woods; *Flanders 52*.

Osmorhiza longistylis (Torr.) DC.; smooth sweet-cicely, anise root – Not encountered. 1970s: Common in SE woods; *Disosway 85; Flanders 89-A; Stevens 355*.

Sanicula odorata (Raf.) K. M. Pryer & L. R. Phillippe; black snakeroot – Common throughout woods; *Chansler 17; Crow 10620*. 1970s: (as *Sanicula gregaria*). Scattered in drier areas; *Beach 1033; Flanders 51 A, 89-B; Stevens 356*.

Sanicula trifoliata E. P. Bicknell; black snakeroot – Not encountered. 1970s: Uncommon, in C and S-cent. woods; *Flanders 77, 152*.

**Torilis japonica* (Houtt.) DC.; hedge-parsley – Scattered in open disturbed places, W entrance and W edge outside fence; *Chansler 54; Goch 173*. 1970s: Occasional weed along edges and trails; *Beach 1049, 1076; Flanders 215*.

APOCYNACEAE (DOGBANE OR MILKWEED FAMILY)

Apocynum androsaemifolium L.; spreading dogbane – NE area E of trail, and S edge woods in dry ditch near railroad tracks; *Kolp 4, 24*. 1970s: Common near W entrance; *Beach 1056; Stevens 947*.

Apocynum cannabinum L.; Indian-hemp, dogbane – S edge in ditch along railroad tracks; *Goch 297*. 1970s: Occasional along S edge; *Stevens 1566*.

Asclepias incarnata L.; swamp milkweed – NW pond margin, and S edge in marshy ditch along railroad tracks; *Goch 161; Kolp 38, 111*. 1970s: Occasional in NW pond and in wet places along S edge; *Beach 1065, 1124; Stevens 2105*.

Asclepias syriaca L. common milkweed – Open area SW corner outside fence; *Goch 308*. 1970s: Common in field along E side and occasional within edge of woods; *Stevens 1596*.

**Vinca minor* L.; periwinkle – Forming ground cover NE corner inside fence; *Goch 25, 241; Kolp 41*. 1970s: Introduced in NE corner from flats of nursery plants, thriving and spreading vegetatively; *Beach 1001; Stevens 1085-a*.

**Vincetoxicum nigrum* (L.) Moench, black swallow-wort – Uncommon, open area on S edge, ditch and ballast of railroad tracks; *Springer 1331*. 1970s: One small vine along W trail near entrance; *Stevens 2097*. According to Voss and Reznicek (2012), this species was documented in Michigan from Ingham Co. as early as 1880 and is now widely established and becoming invasive in the state.

AQUIFOLIACEAE (HOLLY FAMILY)

*‡*Ilex opaca* Aiton; American holly – Not encountered. 1970s: Planted in early 1970s within N edge of woods; *Beach 1006*.

Ilex verticillata (L.) A. Gray; Michigan holly, winterberry – Cent. pond margin; *Goch 259*. 1970s: Common around W and SW ponds; *Anderson 2349; Beach 1119; Morse 5904, 5906; Stevens 1612*.

ARALIACEAE (GINSENG FAMILY)

Aralia nudicaulis L.; wild sarsaparilla – N edge of woods, *Springer 1350*. 1970s: Relatively common, along S part of W trail; *Flanders 181; Stevens 882*.

Aralia racemosa L.; spikenard – Not encountered. 1970s: Rare, in rich S-cent. and W woods; *Beach 1129*.

**Hedera helix* L.; English ivy – Along N area between Service Rd. and woods, and NE fence in woods; *Goch 24*; *Springer 1372*. 1970s: not encountered. Voss and Reznicek (2012) indicated this ornamental vine occurs as a sparing escapee, known from only three counties; new country record.

Panax quinquefolius L.; ginseng; Threatened Status – Specific location withheld for State-protected species; *Springer 1362*. 1970s: Location withheld; *Beach 1143*; *Flanders 83*; *Stevens 955*.

Panax trifolius L.; dwarf ginseng – Not encountered. 1970s: Rare, in E-cent. and N-cent. woods; *Flanders 257*; *Stevens 305*.

ARISTOLOCHIACEAE (BIRTHWORT FAMILY)

Asarum canadense L.; wild ginger – Frequent, scattered throughout woods; *Goch 76*; *Kolp 74*; *Lincoln 6*; *Springer 1468*. 1970s: Common in rich cent. and S-cent. woods; *Flanders 19, 48*; *Stevens 312*.

ASTERACEAE (ASTER OR DAISY FAMILY)

Achillea millefolium L.; yarrow – S edge woods near railroad tracks, uncommon along forest edge; *Springer 1347*. 1970s: Common along S and E edges; *Beach 1014, 1032*; *Thomas 27*.

Ageratina altissima (L.) R. M. King & H. Rob.; white snakeroot – Scattered throughout, especially open woods, S-cent. and SW; sandy to sandy loam soils; *Goch 191, 218*; *Kolp 58*; *Smith 33*. 1970s: (as *Eupatorium rugosum*). Common, scattered through the woods; *Beach 1062, 1169, 1179*; *Flanders 226*; *Thomas 14*.

- **Ambrosia artemisiifolia* L.; ragweed – Dry rocky soil along railroad tracks; *Smith 20*.
1970s: Weedy along S and W edges; *Stevens 2108*.
- Antennaria parlinii* Fernald; smooth pussytoes – Not encountered. 1970s: (as *Antennaria plantaginifolia*). Common along W edge; *Stevens 1074*.
- **Arctium minus* (Hill) Bernh.; common burdock – NE corner of woods; *Goch 147*.
1970s: Common along S edge; *Beach 1210*.
- Bidens connata* Muhl.; purple-stemmed tickseed – Not encountered. 1970s: (as *Bidens tripartita*). Occasional in muck of drying ponds, W woods; *Beach 1178*; *Stevens 2136*.
- Bidens frondosa* L.; common beggar-ticks – Not encountered. 1970s: Occasional, around ponds; *Beach 1193*; *Flanders 236*.
- Bidens vulgata* L.; tall beggar-ticks – S edge, dry rocky soil along railroad tracks; *Smith 21*. 1970s: Weedy in wet places along S edge; *Stevens 2113*.
- **Centaurea stoebe* L.; spotted knapweed – Along S edge woods, open ditch along railroad tracks; *Goch 234*; *Kolp 115*. 1970s: (as *Centaurea maculosa*). Common weed along S edge; *Beach 1208*; *Thomas 44*.
- **Cichorium intybus* L. common chicory – Not encountered. 1970s: Occasional weed around edges; *Thomas 42*.
- **Cirsium arvense* (L.) Scop. Canada thistle, field thistle – S edge of wood along railroad tracks, and E-cent. outside fence; *Fung 8*; *Goch 127, 224*. 1970s: Not encountered.
- **Cirsium vulgare* (Savi) Ten.; bull thistle – S edge along railroad tracks, marshy area; *Goch 165*. 1970s: Occasional weed along S edge; *Thomas 29*.

Conyza canadensis (L.) Cronquist; horseweed – Disturbed S edge outside fence along railroad tracks; *Chansler 34; Goch 225*. 1970s: Weed along S edge; *Stevens 2130*.

Coreopsis lanceolata L.; sand coreopsis – S edge near railroad tracks; *Crank 2*. 1970s: Not encountered.

**Crepis tectorum* L.; hawk's beard – Open area S edge along railroad tracks; *Smith 4*. 1970s: Not encountered.

Doellingeria umbellata (Mill.) Nees.; flat-topped white aster – S-cent., and S edge, in woods; *Goch 15, 230*. 1970s: (as *Aster umbellatus*). Common along S edge; *Beach 1088, 1168, 1204; Stevens 2109*.

Erechtites hieracifolia (L.) Raf.; fireweed – Wet soil, W edge woods inside fence, cluster of plants; *Smith 14*. 1970s: Weedy in NW corner; *Beach 1170*.

Erigeron annuus (L.) Pers.; daisy fleabane – NE corner at entrance, and SW corner in dry rocky soil along railroad track; *Goch 149, 216; Smith 28*. 1970s: Weedy in disturbed places; *Beach 1046, 1047; Stevens 1606; Thomas 10*.

Erigeron philadelphicus L.; common fleabane – Uncommon, along eastern trail in woods near edge; *Springer 1333*. 1970s: Uncommon weed within woods; *Beach 1020; Flanders 127*.

Eupatorium perfoliatum L.; boneset – S edge along railroad ditch, open marsh; *Goch 162*. 1970s: Relatively common in wet places along S edge; *Beach 1161; Stevens 2119*.

Euthamia graminifolia (L.) Nutt.; flat-topped goldenrod – Wet places, S edge, ditch along railroad tracks; *Goch 200, 227*. 1970s: (as *Solidago graminifolia*). Occasional along S edge; *Stevens 2128*.

Eutrochium purpureum (L.) E. E. Lamont; green-stemmed Joe-Pye-weed – In S-cent. woods at fence; *Goch 213*. 1970s: (as *Eupatorium purpureum*). Wet places in cent. woods; *Beach 1126*; *Flanders 86, 141*.

Eurybia macrophylla (L.) Cass.; big-leaved aster, large-leaved aster – W edge in woods; *Smith 15, 22*. 1970s: Scattered through drier parts of woods; *Beach 1149, 1174, 1181*; *Flanders 146, 157*; *Thomas 4*.

Helianthus decapetalus L.; thin-leaved sunflower – S-cent., in woods near trail, *Goch 156*; *Kolp 54*; *Smith 11*. 1970s: Locally common; *Beach 1078, 1132*; *Flanders 111, 123, 145*.

Helianthus giganteus L.; tall sunflower – Not encountered. 1970s: Uncommon, E end of S edge; *Stevens 2110*.

**Hieracium aurantiacum* L.; orange hawkweed; devil's-paintbrush – Open field, several plants, N of Mt. Hope Road, E of Bogue Street; *Walker 9*. 1970s: Not encountered.

**Lactuca saligna* L.; willow-leaved lettuce – Weed on bank on W side of woods, outside fence; *Fung 35*. 1970s: Not encountered.

**Lactuca serriola* L.; prickly lettuce – W edge wood, outside fence; *Smith 13*. 1970s: Not encountered.

**Leucanthemum vulgare* Lam.; ox-eyed daisy – S edge along railroad tracks, open field; *Goch 235*. 1970s: Not encountered.

Packera aurea (L.) Á. Löve & D. Löve; golden ragwort – Not encountered. 1970s: (as *Senecio aureus*). Rich S-cent. woods, rare; *Stevens 1081B*.

Polymnia canadensis L.; leafcup – Ditch in S woods, open area in ash grove between fence and storm drain; *Goch 14*. 1970s: Common along drainage ditch in S woods; *Anderson 2180; Flanders 82; Stevens 1605*.

Prenanthes altissima L.; tall white lettuce – W-cent. edge near fence; *Goch 10; Smith 27*. 1970s: Scattered through woods, especially sandy sites; *Anderson 2177, 2178; Beach 1162, 1183; Flanders 21*.

Rudbeckia hirta L.; black-eyed Susan – Disturbed area, S edge along railroad ditch; *Goch 295; Kolp 39*. 1970s: One group of plants near S end of drainage ditch in S woods; *Beach 1066*.

Solidago altissima L.; tall goldenrod – Open area, open area, S edge along railroad tracks; *Goch 226*. 1970s: Not encountered.

Solidago caesia L.; bluestem goldenrod – S portion, maple woods; *Goch 1*. 1970s: Common throughout woods; *Beach 1175, 1206; Flanders 218; Gillis 2847; Stevens 809, 2129; Thomas 16*.

Solidago canadensis L.; Canada goldenrod – Disturbed areas in woods, and abundant outside fence by railroad; *Chansler 69*. 1970s: Occasional around edges; *Beach 1158; Stevens 2127*.

Solidago flexicaulis L.; zigzag goldenrod – S woods; *Goch 3*. 1970s: Uncommon, S woods; *Beach 1173; Stevens 2104*.

Solidago gigantea Aiton; late goldenrod – S portion off main trail; open woods; *Goch 192*. 1970s: Occasional, around edges; *Beach 1085, 1153; Flanders 221*.

**Sonchus arvensis* L.; field sow-thistle – SW edge at train overpass; *Smith 17*. 1970s: Occasional weed on edges; *Beach 1112; Stevens 1602*.

**Sonchus asper* L.; prickly sow-thistle – NW corner outside fence, and S edge along railroad tracks; *Fung 37; Goch 186; Springer 1356*. 1970s: Not encountered.

Symphyotrichum cordifolium (L.) G. L. Nesom; heart-leaved aster; blue wood aster – Disturbed sites in woods of W edge, and SE woods; *Goch 8; Kolp 119; Smith 32, 35*. 1970s: (as *Aster cordifolius*). *Beach 1209; Thomas 6* (as *Aster lowrieanus*), *12, 24*.

Symphyotrichum lanceolatum (L.) G. L. Nesom; panicled aster – Woods of SW side, and drainage ditch in S woods; *Goch 219; Smith 36*. 1970s: Not encountered.

Symphyotrichum lateriflorum (L.) Á. Löve & D. Löve; calico aster – E-cent. near drainage ditch and W edge by fence; *Goch 9; Smith 23*. 1970s: Uncommon in rich S-cent. woods and a few patches along W half of S edge; *Beach 1171* (as *Aster lateriflorus*); *Stevens 2123* (as *Aster simplex*).

Symphyotrichum novae-angliae (L.) G. L. Nesom; New England aster – Not encountered. 1970s: (as *Aster novae-angliae*). Occasional in open places near edges; *Beach 1211; Stevens 2117; Thomas 15*.

Symphyotrichum ontarionis (L.) G. L. Nesom; Lake Ontario aster, prairie heart-leaved aster – SE in woods near storm drain, and S in open field along railroad ditch; *Goch 4, 233*. 1970s: (as *Aster ontarionis*). Apparently rare, along E edge; *Thomas 5*.

Symphyotrichum pilosum (Willd.) G. L. Nesom; frost aster, hairy aster – S edge along railroad tracks; open field; *Goch 238*. 1970s: (as *Aster pilosus*). Common weed in disturbed places; *Beach 1205; Stevens 803, 2124, 2126; Thomas 13*.

**Taraxacum officinale* F. H. Wigg; common dandelion – NE corner at entrance, open field, and on maintained road bank of W edge, outside fence; *Fung* 7; *Goch* 301.

1970s: Weed along edges and trails; *Stevens* 865; *Thomas* 35.

**Tragopogon dubius* Scop.; goat's beard – S edge near railroad tracks, one large plant seen; *Springer* 1342. 1970s: Not encountered.

BALSAMINACEAE (TOUCH-ME-NOT FAMILY)

Impatiens capensis Meerb.; spotted touch-me-not – S-cent. woods, and wet sites outside SE fence; *Goch* 150; *Kolp* 49. 1970s: (as *Impatiens noli-tangere* subsp. *biflora*).

Locally common in wet, disturbed places; *Flanders* 212; *Thomas* 40.

BERBERIDACEAE (BARBERRY FAMILY)

**Berberis thunbergii* DC.; Japanese barberry – Scattered throughout; *Chansler* 13; *Goch* 5, 31, 141; *Springer* 1306. 1970s: Scattered through woods; *Stevens* 300.

**Berberis vulgaris* L.; common barberry – Not encountered. 1970s: Near NW pond, two vigorous shrubs; *Stevens* 2170.

Caulophyllum giganteum (Farw.) Loconte & W. H. Blackw.; giant blue cohosh – Rare, SE woods near S trail; *Walker* 2. 1970s: *Stevens* 296 (as *Caulophyllum thalictroides*, not then distinguished as two distinct species).

Caulophyllum thalictroides (L.) Michx.; blue cohosh – Frequent, scattered throughout N and cent. woods; *Crow* 10613; *Goch* 65; *Godden* 10; *Springer* 1466; *Walker* 1. 1970s: Scattered through the woods, uncommon; *Grashoff* 49; *Stevens* 804; *Thomas* 48.

Podophyllum peltatum L.; may-apple, mandrake – Common throughout, forming large patches; *Springer 1302*. 1970s: Common, in large patches; *Beach 1010*; *Ehrlinger 73*; *Flanders 7*; *Stevens 329*.

BETULACEAE (BIRCH FAMILY)

Carpinus caroliniana Walter; hornbeam, blue-beech, ironwood – NW woods, pond shore; *Goch 98*. 1970s: Common in low places in S woods; *Stevens 287*; *Thomas 71*.

Corylus americana Walter; hazelnut – S edge along railroad ditch, and centrally outside fence; *Goch 41, 228*. 1970s: On S side near W edge of woods along railroad right-of-way; *Anderson 2354*.

Ostrya virginiana (Mill.) K. Koch; hop-hornbeam, ironwood – W-central, probably scattered throughout; *Goch 50*; apparently also planted as an ornamental on road bank, *Fung 23*. 1970s: Uncommon, scattered through woods; *Stevens 288*; *Thomas 67*.

BIGNONIACEAE (CATALPA FAMILY)

*‡*Catalpa speciosa* Teas; northern catalpa, cigar tree – S along railroad; *Goch 232*. 1970s: One large tree along E edge near drainage ditch, probably planted; *Stevens 937*.

BORAGINACEAE (BORAGE FAMILY)

Hydrophyllum appendiculatum Michx.; great waterleaf – Single colony of ca. 100 plants, woods near trail, NW ponds; *Springer 1339*. 1970s: Rare, along cent. trail; *Stevens 342*.

BRASSICACEAE (MUSTARD FAMILY)

**Alliaria petiolata* (M. Bieb.) Cavara & Grande; garlic mustard – Small patch on W trail in cent. woods; *Goch 109*. 1970s: Not encountered.

**Barbarea vulgaris* W. T. Aiton; yellow rocket – S edge, margin of railroad ballast and ditch; *Springer 1328*. 1970s: Weedy along edges and trails; *Stevens 866*.

**Berteroa incana* (L.) DC.; hoary Alyssum – Scattered, SW corner, open, disturbed site outside fence; *Goch 109*. 1970s: Drier disturbed places; *Beach; 1055; Flanders 244; Thomas 26*.

**Brassica rapa* L.; field mustard – NE edge, outside fence; *Goch 58*. 1970s: Not encountered.

**Capsella bursa-pastoris* (L.) Medik.; shepherd's-purse – NE entrance to woods, one plant seen; *Springer 1465*. 1970s: Weedy along N side; *Stevens 907*.

Cardamine concatenata (Michx.) Alph. Wood; cut-leaved toothwort – Abundant throughout, often forming large patches; *Goch 52; Lincoln 1*. 1970s: (as *Dentaria laciniata*). Common throughout woods; *Grashoff 48; Stevens 274; Suttkus 13*.

Cardamine douglassii Britton; pink spring cress – Uncommon; edge of vernal pool in cent. woods, wet soil on hummocks and base of large trees; *Crow 10530, 10594, 10619; Kolp 72, 73*. 1970s: Common in low wet areas of rich cent. woods; *Flanders 240; Stevens 323*.

**Erysimum capitatum* (Douglas ex Hook.) Greene; western wall-flower – Common, EC edge of woods, between woods and street; *Springer 1336*. 1970s: Not encountered.

**Hesperis matronalis* L.; dame's rocket – E-cent. edge woods, between woods and street; *Springer 1337*. 1970s: Abundant in NW corner; *Beach 1227; Stevens 899*.

**Lepidium campestre* (L.) R. Br.; field cress – Uncommon, S edge near railroad tracks and ballast; *Springer 134*. 1970s: Not encountered.

Lepidium virginicum L.; common peppergrass – Not encountered. 1970s: Occasional weed on E. edge; *Stevens 2146*.

**Lobularia maritima* (L.) Desv.; sweet alyssum – NE fence at S entrance; *Goch 19, 18*. 1970s: Not encountered.

**Sisymbrium altissimum* L.; tumble mustard – Not encountered. 1970s: Weedy along S edge and in NW corner; *Beach 1228*; *Stevens 1570*.

**Sisymbrium officinale* (L.) Scop.; hedge mustard – One plant, disturbed area, SW corner near railroad overpass; *Warner 2*. 1970s: Not encountered.

**Thlaspi arvense* L.; penny cress – Edge woods, W-cent. area along fence; *Goch 275*. 1970s: Weedy along N edge; *Stevens 906*.

CAMPANULACEAE (BELLFLOWER FAMILY)

Campanulastrum americanum (L.) Small; tall bellflower, American bellflower – Three small populations seen, S and S-cent. woods; *Chansler 60*; *Goch 189*; *Kolp 48*. 1970s: (as *Campanula americana*). Scattered through woods; *Beach 1061*; *Flanders 101*; *Stevens 813*; *Thomas 17*.

Lobelia cardinalis L.; cardinal-flower – Not encountered. 1970s: On S edge in wet places along railroad ditch, rare; *Beach 1067*.

Lobelia siphilitica L.; great blue lobelia – Not encountered. 1970s: Scattered in S part of woods; *Beach 1139*.

CANNABACEAE (HEMP FAMILY)

*‡*Cannabis sativa* L.; hemp, marijuana – Not encountered. 1970s: Several plants seen along E edge in 1974 (clearly planted earlier in summer); *Beach 1288*.

Celtis occidentalis L.; hackberry – NE corner and cent. woods, occasional; *Goch 28, 283*.
1970s: Uncommon, S woods near drainage ditch; *Stevens 855; Thomas 75*.

CAPRIFOLIACEAE (HONEYSUCKLE FAMILY)

Lonicera canadensis Marshall; Canadian fly honeysuckle – Not encountered. 1970s:
Uncommon, along W trail; *Gillis 6484; Stevens 299*.

Lonicera dioica L.; glaucous honeysuckle, red honeysuckle – Scattered in woods, locally abundant; *Chansler 8; Crow 10610*. 1970s: Rare, in W woods; *Rabeler 128; Stevens 905*.

**Lonicera maackii* (Rupr.) Herder; Amur honeysuckle – SW corner and S-cent. woods near fence, scattered; *Goch 104; Springer 1325; Walker 3*. 1970s: Along edges in NE corner of woods; *Beach 1021*.

**Lonicera morrowii* A. Gray; morrow honeysuckle – Two shrubs in N section near pond; *Kolp 29, 109*. 1970s: Not encountered.

**Lonicera tatarica* L.; Tartarian honeysuckle – Not encountered. 1970s: Scattered in disturbed places, especially near center of S edge; *Stevens 317, 902*.

**Lonicera ×bella* Zabel; hybrid honeysuckle – S-cent. edge near fence and NE corner outside fence; *Goch 83, 85, 217*. 1970s: Not encountered.

**Lonicera xylosteum* L.; European honeysuckle – Not encountered. 1970s: Edge of woods near cent. W pond; *Morse 5901*.

Triosteum aurantiacum E. P. Becknell; horse-gentian – Two plants, S woods; *Chansler*

58. 1970s: Common in disturbed places, especially in NE woods; *Anderson 2181*;

Beach 1141; *Stevens 1077*.

CARYOPHYLLACEAE (PINK FAMILY)

**Cerastium fontanum* Baumg.; mouse-ear chickweed – NW corner outside fence, and S edge disturbed area along train tracks; *Chansler 28*; *Goch 93*; *Springer 1374*.

1970s: Not encountered.

**Cerastium pumilum* Curtis; mouse-ear chickweed – S section, open area near railroad tracks; *Kolp 94*. 1970s: Not encountered.

**Dianthus armeria* L.; Deptford pink – Disturbed area, NW edge at fence, few plants seen; *Goch 307*; *Kolp 118*. 1970s: Not encountered.

**Saponaria officinalis* L.; bouncing bet, soapwort – Not encountered. 1970s: Weedy along railroad tracks, dry soil, S edge; *Thomas 21*.

**Silene latifolia* Poir.; white cockle, white campion – NE entrance, outside fence, E edge outside fence, S edge along railroad tracks, and road bank outside fence; *Chansler 20*; *Fung 11*; *Goch 119, 133*; *Kolp 88*; *Springer 1348, 1370*. 1970s: (as *Lychnis alba*). Weedy along edges; *Stevens 322*; *Thomas 31*.

Stellaria longifolia Willd.; long-leaved chickweed, long-leaved stitchwort – Not encountered. 1970s: Uncommon, along S edge; *Stevens 1574*.

**Stellaria media* L.; common chickweed – Not encountered. 1970s: Common in disturbed places, NE corner near entrance; *Stevens 860*.

CELASTRACEAE (BITTERSWEET FAMILY)

Celastrus scandens L.; climbing bittersweet, American bittersweet – S edge near railroad tracks; *Springer 1345*. 1970s: Common along S edge; *Anderson 2261*; *Stevens 913*.

**Euonymus alatus* (Thunb.) Siebold; winged euonymus – Scattered through woods, infrequent, often a single plant seen; *Goch 87, 27*; *Kolp 35, 42, 65*; *Springer 1326*. 1970s: Not encountered.

Euonymus obovatus Nutt.; running strawberry-bush – S-cent. edge near fence, and NE edge near fence; *Goch 21, 84*; *Godden 1*; *Lincoln 3*; *Walker 5*. 1970s: Locally abundant, scattered through woods; *Beach 1071*; *Flanders 150*; *Stevens 352*.

CONVOLVULACEAE (MORNING-GLORY FAMILY)

**Convolvulus arvensis* L.; field bindweed – NW edge near road, four plants seen; *Kolp 51*. 1970s: Weed along S edge; *Beach 1031*.

CORNACEAE (DOGWOOD FAMILY)

Cornus alternifolia L. f.; alternate-leaved dogwood – Widely scattered; *Goch 210*; *Kolp 114*; *Springer 1334*. 1970s: Occasional in wet places throughout woods; *Flanders 103, 192*; *Stevens 353*.

Cornus amomum Mill.; pale dogwood, silky dogwood – S edge woods near railroad tracks; *Godden 1*. 1970s: Not encountered.

Cornus florida L.; flowering dogwood – NW woods near pond, uncommon; *Kolp 113*. 1970s: Several small trees in SW woods; *Anderson 2350*; *Flanders 133*; *Thomas 66*; *Stevens 346, 800*.

Cornus foemina Mill.; gray dogwood – S edge of woods, open area with wet soil, near railroad tracks; *Springer 1354*. 1970s: Forming dense thickets around shaded pond margins; *Anderson 2356; Beach 1013, 1223; Stevens 1571, 815*.

DIERVILLACEAE (BUSH-HONEYSUCKLE FAMILY)

Diervilla lonicera Mill.; bush-honeysuckle – A few individuals, NW entrance area near fence; *Goch 139, 264; Kolp 100; Springer 1377*. 1970s: Occasional near entrance on W side, and a single shrub on S edge; *Beach 1023; Stevens 950*.

DIPSACACEAE (TEASEL FAMILY)

**Dipsacus fullonum* L.; wild teasel – S edge near railroad tracks; *Goch 205*. 1970s: Not encountered.

**Dipsacus laciniatus* L.; cut-leaf teasel – S along railroad ditch; *Goch 206*. 1970s: Occasional weed along S and E edges; *Stevens 2131*.

ERICACEAE (HEATH FAMILY)

Monotropa uniflora L.; Indian pipe – Uncommon, W-cent.; *Goch 181*. 1970s: Not encountered.

FABACEAE (BEAN OR PEA FAMILY)

Amphicarpaea bracteata (L.) Fernald; hog-peanut – Small clump, cent. woods; *Helling 1*. 1970s: Scattered in S-cent. woods; *Flanders 57, 74, 183*.

**Astragalus cicer* L.; Chick-pea milk-vetch – SW corner woods; *Chansler 33*. 1970s: Not encountered.

‡*Cercis canadensis* L.; redbud, Judas tree – Several planted on road bank outside fence on W side; *Fung 4, 15*. 1970s: Not encountered. Although a native understory

tree, nearing the northern edge of its natural range in Ingham Co. (Voss and Reznicek 2012), this species is widely planted as an ornamental.

Desmodium paniculatum (L.) DC.; panicked tick-trefoil – Not encountered. 1970s:

Uncommon, S edge near E side; *Beach 1165*.

‡*Gymnocladus dioica* (L.) K. Koch; Kentucky coffee-tree – Planted along road bank, W side; *Fung 27*. 1970s: Not encountered.

Hylodesmum glutinosum (Willd.) H. Ohashi & R. R. Mill; clustered-leaved tick-trefoil – NW and N-cent. woods; *Crow 10693*; *Goch 137*; *Godden 27*. 1970s: (as *Desmodium glutinosum*). Common in cent. woods; *Beach 1053, 1058*; *Flanders 69*; *Stevens 1615*.

Hylodesmum nudiflorum (L.) H. Ohashi & R. R. Mill; naked tick-foil – Not encountered. 1970s: (as *Desmodium nudiflorum*). Scattered through woods; *Flanders 106, 109, 159*.

**Lotus corniculatus* L.; birdfoot trefoil – In lawn between forest and curb, NW corner; *Helling 7a, 7b*. 1970s: Occasional weed along N and E sides; *Flanders 46*.

**Medicago lupulina* L.; black medick – Road bank W side outside fence; *Fung 3, 18*. 1970s: Not encountered.

**Melilotus albus* Medik.; white sweet-clover – NW edge road bank outside fence, and S along railroad ditch; *Fung 2, 10*; *Goch 287*. 1970s: Weedy along S edge; *Thomas 23*.

**Melilotus officinalis* (L.) Pall.; yellow sweet-clover – Locally common, NE corner outside fence; *Goch 291*. 1970s: Weedy along S edge; *Stevens 1572*; *Thomas 45*.

- *‡*Robinia pseudacacica* L.; black locust – S-cent. edge near railroad tracks; *Springer 1346*. 1970s: Planted in old nursery along S edge, now adventive; *Maas 534*; *Stevens 918*. Beach and Stevens (1979) noted that the Michigan Agricultural College Annual Report of 1903 mentions that a few hundred locust tree saplings were planted in a burned over area on the south edge near the railroad tracks.
- **Securigera varia* (L.) Lassen; crown-vetch – NW corner, road bank, and SW corner near railroad tracks; *Chansler 32*; *Fung 14*; *Smith 29*. 1970s: Not encountered.
- **Trifolium pratense* L.; red clover – Beneath planted tree outside NE corner; *Fung 25*. 1970s: Not encountered.
- **Trifolium repens* L.; white clover – NE Corner outside fence; *Fung 17*; *Goch 292*. 1970s: Occasional adventive from field along S half of E side; *Thomas 37*.
- **Vicia villosa* Roth; hairy vetch – NW corner, road bank outside fence; *Fung 13, 36*. 1970s: Not encountered.

FAGACEAE (BEECH FAMILY)

- Fagus grandifolia* Ehrh; American beech – Common, especially N and cent. woods, scattered throughout; *Goch 30*; *Kolp 61*; *Springer 1335*. 1970s: A dominant tree in the drier areas of W woods, scattered elsewhere; *Beach 1222*; *Stevens 883*; *Thomas 83*.
- Quercus alba* L.; white oak – Common, scattered in drier woods; *Goch 271*; *Springer 1470*. 1970s: Common, especially in S woods; *Stevens 863a, 894*.
- Quercus bicolor* Willd.; swamp white oak – Few trees by small pond, NW edge within woods; *Crow 10608*; *Goch 207, 270*. 1970s: Common in wet places in S woods; *Stevens 847, 1085D*.

Quercus macrocarpa Michx.; bur oak – W-cent. near fence, and SW along fence *Goch* 51, 285. 1970s: A few trees in S woods; *Stevens* 863b, 2148.

Quercus muehlenbergii Engelm; chinquapin oak – SE woods along fence; *Goch* 284. 1970s: Rare, in SE woods; *Stevens* 2583.

Quercus rubra L.; red oak – Throughout woods, and planted on road bank W side, outside fence; *Fung* 26; *Goch* 69; *Kolp* 124. 1970s: Common in drier areas; *Beach* 1128A, 1145, 1147; *Stevens* 321, 857.

GENTIANACEAE (GENTIAN FAMILY)

Gentiana andrewsii Griseb.; bottle gentian, closed gentian – Not encountered. 1970s: Common in wet, shaded sites, S edge; *Stevens* 2107.

GERANIACEAE (GERANIUM FAMILY)

Geranium maculatum L.; wild geranium – Common, scattered throughout; *Goch* 67; *Springer* 1301. 1970s: Scattered, especially in SE woods; *Flanders* 6; *Stevens* 351.

GROSSULARIACEAE (CURRANT OR GOOSEBERRY FAMILY)

Ribes americanum Mill.; wild black currant – Common throughout woods; *Chansler* 7; *Crow* 10531; *Goch* 77; *Springer* 1312. 1970s: Uncommon, near W entrance; *Stevens* 316.

Ribes cynosbati L.; wild gooseberry, prickly gooseberry – Frequent throughout woods; *Chansler* 2; *Crow* 10596; *Goch* 20, 140, 243; *Godden* 3. 1970s: Scattered in woods; *Beach* 1003; *Stevens* 302, 845.

**Ribes rubrum* L.; red currant – S edge of NW pond; *Goch 247*. 1970s: Not encountered.

A widely cultivated species, but sometimes escaping into open or wooded sites (Voss and Reznicek 2012).

HALORAGACEAE (WATER-MILFOIL FAMILY)

Proserpinaca palustris L.; mermaid-weed – Locally abundant, submerged in pool along ditch by railroad tracks, S side; *Crow 10537*; *Goch 201*. 1970s: Not encountered.

HAMAMELIDACEAE (WITCH HAZEL FAMILY)

Hamamelis virginiana L.; witch hazel – Common understory tree throughout; also planted on road bank W side outside fence; *Fung 33*; *Goch 13*; *Kolp 75, 077*; *Lincoln 10*. 1970s: Common in SW woods; *Stevens 361*; *Thomas 34*.

HYDRANGEACEAE (HYDRANGEA OR MOCK-ORANGE FAMILY)

**Philadelphus pubescens* Loisel.; downy mock-orange – Ornamental; not encountered. 1970s: A few large shrubs along N edge; ornamental shrub, relics of nursery; *Stevens 939* (identified as *Philadelphus coronarius*).

HYPERICACEAE (ST. JOHN’S-WORT FAMILY)

**Hypericum perforatum* L.; Klamath weed, goatweed, common St. John’s-wort – S edge; common, S edge woods between fence and railroad tracks; *Springer 1361*. 1970s: Occasional along the S edge; *Stevens 2122*.

Hypericum punctatum Lam.; spotted St. John’s-wort – Few clumps, SE corner near railroad tracks; *Kolp 108*. 1970s: Occasional along S edge; *Stevens 1086*.

JUGLANDACEAE (WALNUT FAMILY)

Carya cordiformis (Wangenh.) K. Koch; bitternut hickory – NE corner inside fence; *Goch 260*. 1970s: In S woods, apparently rare; *Stevens 2135*; *Thomas 73*.

Carya ovata (Mill.) Sweet; shagbark hickory, shellbark hickory – NW corner at fence, and NW pond margin; *Goch 112, 267*. 1970s: Uncommon; *Stevens 893; Thomas 80*.

‡*Juglans nigra* L.; black walnut – NW corner; open area NW corner just outside fence, and NE corner at entrance, forest edge; *Goch 138, 263; Kolp 63*. 1970s: Planted in NW corner woods; *Stevens 888; Thomas 79*. Interestingly, Beech and Stevens (1979) noted that in 1910 a one-acre plot of alternating rows of *Juglans nigra* and *Thuja occidentalis* was established in the northwest corner of the woods, but due to road construction along the north edge in 1970, with changes impeding drainage, only about 50 black walnut trees were still present at the time of their inventory.

LAMIACEAE (MINT FAMILY)

Agastache nepetoides (L.) Kuntze; yellow giant hyssop – S-cent. woods; *Goch 160*. 1970s: Scattered in rich parts of woods; *Anderson 2173; Beach 1116, 1142; Flanders 206*.

Blephilia hirsuta (L.) Benth.; wood mint – S side of woods; S-cent. woods, and woods on S edge *Goch 16, 157; Kolp 52*. 1970s: Not encountered.

Collinsonia canadensis L.; stoneroot, richweed, horse-balm – Scattered throughout woods; *Chansler 61; Crow 10691; Goch 183; Kolp 122*. 1970s: Common in rich parts of woods; *Beach 1117; Flanders 163; Stevens 2120; Thomas 9*.

**Leonurus cardiaca* L.; motherwort – N side outside fence; *Goch 128; Springer 1371*. 1970s: Single patch in disturbed area near NE corner; *Stevens 1554*.

Lycopus uniflorus Michx.; northern bugle weed – Edge of NW pond; NW pond margin;
Goch 180. 1970s: Not encountered.

Mentha canadensis L.; wild mint – Dried vernal pool margin in S-cent. woods, and open area along wet railroad ditch on S. side; *Goch 197, 202; Kolp 53*. 1970s: (as *Mentha arvensis*). Occasional weed along S. edge; *Stevens 2114*.

Monarda fistulosa L.; wild bergamot – Open area, S side along railroad ditch; *Goch 296*.
1970s: Common in woods near S-cent.; *Beach 1083; Stevens 1604*.

**Nepeta cataria* L.; catnip, catmint – NE entrance area, outside fence; *Goch 188*. 1970s:
Not encountered.

Prunella vulgaris L.; self-heal, heal-all – S-central woods, and open area SE side outside fence; *Goch 153; Kolp 50*. 1970s: Occasional weed on edges; *Beach 1070; Thomas 3*.

Scutellaria lateriflora L.; mad-dog skullcap – Infrequent in poorly drained places, W woods; *Chansler 55*. 1970s: Scattered in S-cent. woods; *Beach 1136; Flanders 216*.

LAURACEAE (LAUREL FAMILY)

Lindera benzoin (L.) Blume; spicebush – Common shrub in low wet areas, especially N-cent. and W-cent. portions; *Goch 45, 53; Kolp 62, 67*. 1970s: Common in wet areas; *Grashoff 50; Stevens 270; Thomas 76*.

Sassafras albidum (Nutt.) Nees; sassafras – W-central woods; *Goch 108*. 1970s:
Scattered canopy trees throughout woods, and smaller trees common along E and S edges; *Beach 1221; Stevens 306, 324, 362; Thomas 72*.

MAGNOLIACEAE (MAGNOLIA FAMILY)

Liriodendron tulipifera L.; tulip tree – Widely scattered in N and NW woods, also planted on road bank W side outside fence; *Fung* 3; *Goch* 96; *Kolp* 27, 102, 123; *Springer* 1351. 1970s: Scattered large trees in N and W woods; *Stevens* 955; *Thomas* 65. A native tree of deciduous woods occurring near the northern edge of its natural range in Ingham Co. (Voss and Reznicek 2012), this species is often planted as an ornamental.

MALVACEAE (MALLOW FAMILY)

Tilia americana L.; basswood, linden – Scattered, S woods, and N edge outside fence; *Goch* 91; *Kolp* 36, 122. 1970s: Moderately common throughout woods; *Morse* 5902; *Stevens* 363; *Thomas* 63.

MENISPERMACEAE (MOONSEED FAMILY)

Menispermum canadense L.; moonseed – Locally abundant, moist soil cent. and S woods; *Crow* 10590; *Goch* 144. 1970s: Occasional in S-cent. woods; *Stevens* 814.

MONTIACEAE (SPRING-BEAUTY OR BLINKS FAMILY)

Claytonia virginica L.; spring-beauty – Extremely abundant, forming very large patches carpeting extensive areas, throughout, especially N and cent. woods; *Goch* 54; *Lincoln* 5. 1970s: Common in all but the wettest parts of the woods; *Flanders* 4, 8; *Grashoff* 46; *Stevens* 272.

MORACEAE (MULBERRY FAMILY)

**Morus alba* L.; white mulberry, Russian mulberry – Shrub on S edge of woods; uncommon, S edge of woods near fence; *Springer* 1359. 1970s: Not encountered.

MYRSINACEAE (MYRSINE OR LOOSESTRIFE FAMILY)

Lysimachia ciliata L.; fringed loosestrife – Low, seasonally wet areas SE and S-cent.

woods, *Godden 35; Goch 152; Kolp 47; Smith 37*. 1970s: Scattered in S woods;
Beach 1050, 1084.

NYSSACEAE (TUPELO FAMILY)

Nyssa sylvatica Marshall; black-gum, sour-gum, tupelo, pepperidge – Pond margins in
woods, NW area; *Kolp 91, 101*. 1970s: Common around cent. W pond occasional
in E-cent. woods; *Anderson 2347*.

OLEACEAE (OLIVE FAMILY)

Fraxinus americana L.; white ash – NW area, pond margin near edge of woods; *Kolp*
110. 1970s: Moderately common throughout the woods; *Ozoga 19; Stevens 830,*
889, 2157; Thomas 62.

Fraxinus nigra Marshall; black ash – Not encountered. 1970s: Frequent around middle W
pond; *Anderson 2348*.

Fraxinus pennsylvanica Marshall; green ash – N and N-cent. areas in wet places and S
edge outside fence in shallow water of railroad ditch; *Chansler 27; Goch 254;*
Kolp 66. 1970s: Scattered around edges, especially where wet; *Beach 1201, 1203;*
Stevens 1073, 2158.

*‡*Ligustrum obtusifolium* Siebold & Zucc.; border privet – Edge of woods N side,
outside fence; *Goch 130*. 1970s: Common in NE corner, probably adventive from
nearby nursery, or planted; *Stevens 940*.

**Ligustrum vulgare* L.; common privet – W-cent. edge of woods at fence, and outside
fence on N side; *Goch 132, 272*. 1970s: Not encountered.

ONAGRACEAE (EVENING-PRIMROSE FAMILY)

Circaea canadensis (L.) Hill; enchanter's-nightshade – Common throughout woods;
Goch 134; Godden 24; Kolp 121; Springer 1364. 1970s: (as *Circaea*
quadrisulcata var. *canadensis*). Relatively common in rich cent. woods; *Flanders*
58, 75; Stevens 1617.

Epilobium coloratum Biehler; cinnamon willow-herb – Not encountered. 1970s:
Occasional in S woods; *Beach 1180*.

**Epilobium hirsutum* L.; great hairy willow-herb – Wet areas, S and SE edges outside
fence along railroad ditch; new county record; *Goch 169, 215*. 1970s: Not
encountered.

Oenothera parviflora L.; evening-primrose – Open areas along S edge railroad ditch;
Goch 223. 1970s: Weedy along S edge; *Stevens 1079*.

OROBANCHACEAE (BROOM-RAPE FAMILY)

Conopholis americana (L.) Wallr; squaw-root, cancer-root – Scattered, a large population
on dryish soil near pond on W-cent. side; *Crow 10606; Goch 11, 107; Godden 22;*
Springer 1369; Stanis 2. 1970s: A root parasite, scattered but uncommon; *Beach*
1038, 1233.

Epifagus virginiana (L.) Bart.; beech-drops – Widely scattered, parasitic on American
beech; *Goch 7; Smith 25*. 1970s: Common root parasite on beech; *Flanders 214;*
Stevens 801; Thomas 47.

OXALIDACEAE (WOOD-SORREL FAMILY)

Oxalis stricta L.; oxalis – Common, scattered in woods, and outside fence on road bank;
Fung 21; Goch 111; Kolp 57. 1970s: (as *Oxalis fontana*). Occasional weed
throughout the woods; *Beach 1060; Flanders 208; Stevens 949, 1598*.

PAPAVERACEAE (POPPY FAMILY)

**Chelidonium majus* L.; celandine – Not encountered. 1970s: Occasional adventive, scattered through woods; *Flanders 78; Stevens 1082.*

Sanguinaria canadensis L.; bloodroot – Frequent throughout in rich woods, sometimes locally abundant; *Goch 105.* 1970s: Scattered through woods; *Anderson 2223; Flanders 43; Grashoff 51; Lincoln 7; Stevens 271, 344; Suttkus 16.*

PENTHORACEAE (DITCH STONECROP FAMILY)

Penthorum sedoides L.; ditch stonecrop – S edge in wet ditch along railroad tracks; *Goch 199.* 1970s: not encountered.

PHRYMACEAE (Lopseed Family)

Mimulus ringens L.; monkey-flower – S edge outside fence in railroad ditch; *Kolp 115.* 1970s: Common on S edge near end of drainage ditch; *Beach 1069.*

Phryma leptostachya L.; lopseed – Not encountered. 1970s: Occasional in rich cent. and S-cent. woods; *Beach 1094; Flanders 76; Stevens 1611.*

PHYTOLACCACEAE (POKEWEED FAMILY)

Phytolacca americana L.; poke, pokeweed – NE corner at entrance, open area; *148; Kolp 95.* 1970s: Common in openings in NE woods, and along E edge; *Beach 1051; Flanders 211; Stevens 810; Thomas 33.*

PLANTAGINACEAE (PLANTAIN FAMILY)

Chelone glabra L.; turtlehead – SW corner at W fence and railroad tracks, along S edge of woods; *Chansler 74.* 1970s: Occasional along S edge; *Stevens 2115.*

**Linaria vulgaris* Mill.; butter-and-eggs – Open area on S edge along railroad ditch, and outside fence on road bank of W side; *Goch 237; Smith 31*. 1970s: Weedy along S and E edges; *Beach 1160; Thomas 2*.

Penstemon digitalis Nutt.; foxglove beard-tongue – Along S edge near railroad tracks; *Crank 1*. 1970s: Not encountered.

**Plantago lanceolata* L.; ribgrass, narrow-leaved plantain, English plantain – S edge outside fence along railroad ditch, and road bank outside fence of W side; *Fung 9; Kolp 106; Springer 1360*. 1970s: Occasional weed on edges; *Thomas 22*.

Plantago rugelii Decne.; rugel's plantain, red-stalked plantain – Opening in woods just off trail, S-cent.; *Goch 190, 194*. 1970s: Uncommon along S trail, in water; *Stevens 812*.

**Veronica filiformis* Sm.; creeping speedwell – Eastern edge; *Springer 1338*. 1970s: Not encountered. New county record; first collected in Michigan 1978 (Voss and Reznicek 2012).

Veronica scutellata L.; marsh speedwell – S edge, in wet places along railroad ditch; *Goch 168*. 1970s: Not encountered.

PLATANACEAE (PLANE-TREE FAMILY)

Platanus occidentalis L.; sycamore – Open area along railroad ditch; *Goch 231*. 1970s: Uncommon but found in wet places; *Stevens 2151; Thomas 84*.

*‡*Platanus ×acerifolia* (Aiton) Willd.; London planetree – Ornamental; several trees recently planted along road bank outside fence W side; *Fung 31*. 1970s: Not encountered.

POLEMONIACEAE (PHLOX FAMILY)

Phlox divaricata L.; wild blue phlox – Not encountered. 1970s: Moderately common in rich cent. and SW woods; *Flanders 23*; *Stevens 303*.

POLYGONACEAE (SMARTWEED FAMILY)

Fallopia scandens (L.) Holub; false buckwheat – Not encountered. 1970s: (as *Polygonum scandens*). Weedy in NW corner; *Stevens 2095*.

Persicaria amphibia (L.) Delarbre; water smartweed – S edge in wet ditch along railroad tracks; *Goch 167*. 1970s: Not encountered.

Persicaria lapathifolia (L.) Delarbre; willow-weed – Not encountered. 1970s: (as *Polygonum lapathifolium*). Occasional in low wet area of NW corner; *Stevens 2133*.

**Persicaria maculosa* Gray; heart's-ease; lady's-thumb – W side, outside fence; *Warner 1*. 1970s: (as *Polygonum persicaria*). Occasional in low wet area of NW corner; *Beach 1189*.

Persicaria pensylvanica (L.) M. Gómez; pinkweed, big-seed smartweed – Not encountered. 1970s: (as *Polygonum pensylvanicum*). Common in low wet area of NW corner; *Stevens 2132*; *Thomas 32*.

Persicaria virginiana (L.) Gaertn.; jumpseed – Swampy areas, N and S-cent. part of woods; *Goch 2, 184*; *Kolp 96*. 1970s: (as *Polygonum virginicum*). Common throughout woods; *Beach 1091, 1135*; *Flanders 105*; *Stevens 2118*.

**Polygonum aviculare* L.; knotweed – Uncommon, and SW corner at fence and railroad tracks; *Chansler 73*; *Springer 1464*. 1970s: Uncommon weed along E edge; *Stevens 2140*.

**Rumex crispus* L.; curly dock, sour dock – Grassy area at NE entrance to woods and S edge in wet soils near railroad tracks; *Goch 120; Springer 1353, 1472*. 1970s: Weedy along E and S edges; *Stevens 1569*.

**Rumex obtusifolius* L.; bitter dock – Not encountered. 1970s: Scattered along E edge; Scattered along E edge; *Beach 1232*.

RANUNCULACEAE (BUTTERCUP FAMILY)

Actaea pachypoda Elliott; white baneberry, doll's-eyes – Scattered, N and N-cent. woods; *Goch 103; Lincoln 12*. 1970s: Scattered throughout woods; *Beach 1075; Disosway 79; Heaton 65; Stevens 331, 805; Thomas 49*.

Actaea rubra (Aiton) Willd.; red baneberry – Common, scattered, S-cent. woods; *Goch 159; Godden 9*. 1970s: Uncommon; *Flanders 63; Stevens 327*.

Anemone canadensis L.; Canada anemone – Local, wet areas, S edge woods outside fence by railroad ditch; *Goch 304; Rachwal & Walker 5; Springer 1340*. 1970s: Weedy along S and E edges; *Beach 1017; Stevens 358*.

Anemone quinquefolia L.; wood anemone – Large patch cent. woods and small patch SW corner in woods; *Crow 10526; Lincoln 9; Goch 73; Springer 1307*. 1970s: Uncommon; *Flanders 1; Stevens 1533*.

Anemone virginiana L.; thimbleweed – S-cent. woods; *Goch 172*. 1970s: Not encountered.

Aquilegia canadensis L.; wild columbine – NW corner in woods inside fence and dry edge of S woods in open area near railroad tracks. *Goch 102; Walker 8*. 1970s: Scattered in SW woods and along S edge; *Shipman 36; Stevens 343*.

Caltha palustris L.; marsh-marigold, cowslip – Two plants, NW pond; *Chansler 31*.

1970s: Not encountered.

Clematis virginiana L.; virgin's-bower – S-cent. near primary trail; *Goch 195*. 1970s:

One large patch along S edge; *Beach 1131*.

Hepatica acutiloba DC.; sharp-lobed hepatica – Three plants, SE woods; *Chansler 22*.

1970s: Uncommon, in SE woods; *Beach 1073*; *Stevens 278, 326*.

Hydrastis canadensis L.; goldenseal; Threatened Status – Location in woods withheld for

State-protected species; *Crow 10588*; *Springer 1315*. 1970s: Location withheld;

Flanders 100, 255; *Gillis 6770*; *Stevens 844*.

Ranunculus abortivus L.; small-flowered buttercup – Occasional, widely scattered on

damp soil, especially near ponds on W side; *Crow 10607*; *Goch 72*; *Kolp 76*;

Lincoln 15; *Springer 1305*. 1970s: Weedy on N edge and along trails; *Stevens*

291, 2191.

Ranunculus hispidus Michx.; swamp buttercup – Not encountered. 1970s: (as *Ranunculus*

septentrionalis). Uncommon in SW woods; *Rabeler 125*.

Ranunculus recurvatus Poir.; hooked crowfoot – NW and S-cent. woods, occasional;

Chansler 1; *Goch 82*; *Springer 1303*. 1970s: Uncommon in NW woods; *Stevens*

911.

Thalictrum dasycarpum Fisch. & Ave-Lall.; purple meadow-rue – Not encountered.

1970s: Apparently rare; *Beach 1045*.

Thalictrum dioicum L.; early meadow-rue – Chiefly in wet areas, around vernal pools, N

and cent. woods; *Crow 10602, 10603*; *Goch 75*; *Springer 1309*. 1970s: Scattered

through woods; *Flanders 11*; *Stevens 301*.

RHAMNACEAE (BUCKTHORN FAMILY)

**Frangula alnus* Mill.; glossy buckthorn – Pond margin, cent. woods, and margin of railroad ditch; *Goch* 258; *Springer* 1330. 1970s: (as *Rhamnus frangula*). Rare, S-cent. woods; *Stevens* 892.

**Rhamnus cathartica* L.; common buckthorn – NW pond margin, NW corner at fence, and NE center outside fence; *Goch* 92, 95, 268. 1970s: Scattered in SW woods; *Anderson* 2243; *Stevens* 871, 1084.

ROSACEAE (ROSE FAMILY)

Agrimonia gryposepala Wallr.; tall agrimony – NW pond margin, woods SE trail near fence, and SE open area outside fence; *Goch* 154, 179; *Godden* 36; *Kolp* 56.
1970s: Relatively common, drier areas; *Beach* 1072; *Craig* 6869; *Stevens* 1610.

Agrimonia pubescens Wallr.; soft agrimony – Swampy area of S woods, sparse; *Kolp* 120. 1970s: Apparently uncommon, drier areas; *Beach* 1059; *Flanders* 156.

Amelanchier arborea (F. Michx.) Fernald; juneberry – W-cent. woods near fence; *Goch* 49, 249. 1970s: Common in drier areas, N and W woods; *Anderson* 2241, 2357; *Beach* 1219; *Stevens* 284, 895.

‡*Amelanchier canadensis* (L.) Medik.; Canadian serviceberry, eastern shadbush – Planted just outside fence along road bank of Farm Lane. *Fung* 24. 1970s: Not encountered.

Crataegus calpodendron (Ehrh.) Medik.; pear hawthorn – Not encountered. 1970s: Uncommon, W edge; *Beach* 1015, 1224.

‡*Crataegus crus-galli* L.; cockspur thorn – Disturbed edge outside fence in SE, also planted on road bank W side of woods; *Chansler 24; Fung 28; Goch 286*. 1970s: Common in cent. and S woods; *Stevens 808, 914, 2150*.

Crataegus macrosperma Ashe; big-fruit hawthorn – Not encountered. 1970s: Dry areas, N and W woods; *Stevens 856, 887*.

Crataegus mollis (Torr. & A. Gray) Scheele; downy hawthorn – Open area by fence, edge of woods, NW corner; *Goch 262*. 1970s: One tree found, S edge; *Stevens 1672, 2152*.

Crataegus punctata Jacq.; dotted hawthorn, white haw – Not encountered. 1970s: Scattered; *Stevens 1083, 2134, 2154*.

Fragaria virginiana Mill.; wild strawberry – Not encountered. 1970s: Common along S edge; *Stevens 2155*.

Geum canadense Jacq.; white avens – Corner at NE entrance and NW entrance, S-cent. woods, and S edge woods at fence; *Goch 126, 136; Godden 12; Springer 1352, 1463*. 1970s: Common in drier areas; *Beach 1028, 1081; Flanders 59, 139; Stevens 946, 1567, 1582, 1618*.

Geum laciniatum Murray; rough avens – Deep shade; frequent, E-central woods; *Springer 1365*. 1970s: Not encountered.

Geum virginianum L.; pale avens – Grassy area at NE entrance; *Springer 1469*. 1970s: Not encountered.

**Malus baccata* (L.) Borkh.; Siberian crab – NW pond; *Goch 299*. 1970s: Not encountered.

**Malus pumila* Mill.; apple – Single tree NE edge at E entrance to woods, and small tree on S edge of woods, just outside fence, adjacent to railroad tracks; *Crow 10535*; *Helling 9*. 1970s: Not encountered.

**Potentilla intermedia* L.; downy cinquefoil – Not encountered. 1970s: Weedy along S edge; *Beach 1166*; *Stevens 2121*; *Thomas 8*.

**Potentilla recta* L.; rough-fruited cinquefoil – S edge of woods; *Kolp 20*. 1970s: Weedy in SW corner of woods; *Thomas 28*.

**Potentilla simplex* Michx.; old-field cinquefoil – N edge of woods; *Helling 2*. 1970s: Weedy along S and E edges; *Stevens 359, 1534*.

Prunus americana Marshall; American wild plum – Not encountered. 1970s: Uncommon, along S edge of woods; *Stevens 850, 1673, 2137*.

**Prunus avium* L.; sweet cherry – Single tree ca. 10 m tall, on edge of N-cent. vernal pool near N fence, edge of NW pond, and W edge outside fence; *Crow 10517*; *Goch 246, 293*. 1970s: One well-formed tree in deep woods along S trail; *Stevens 877*. Possibly an escapee of old nursery on N side of woods.

*‡*Prunus incisa* Thunb.; Fuji cherry – Ornamental (not included in Voss and Reznicek 2012 as occurring without being planted); area between Service Road and woods, two small trees at NW corner of woods, and along E-cent. path; *Fields s.n.* (8 May 1991); *Perez s.n.* (2016); *Kilgore & Telewski s.n.*, (14 Oct 1999). 1970s: Scattered in N half of woods, apparently escapee from nursery; *Stevens 283, 833, 891*.

*‡*Prunus mahaleb* L.; perfumed cherry – Ornamental; not encountered. 1970s: Three shrubs on E edge, perhaps planted; *Stevens 2584*.

Prunus serotina Ehrh.; wild black cherry – Frequent, scattered through woods; *Goch 158*; *Helling 10*; *Kolp 15*. 1970s: Scattered through woods, relatively common; *Beach 1220*; *Stevens 886*; *Thomas 70*.

**Prunus tomentosa* Thunb.; Nanking cherry – Ornamental; not encountered. 1970s: (as *Prunus triloba*). Along E part of N edge; apparently a nursery relic; *Beach 1216*, *1287*. First record for Michigan documenting growing as adventive.

Prunus virginiana L.; choke cherry – Understory of S-cent. woods, and N edge of woods; *Goch 86*; *Helling 12*; *Springer 1310*. 1970s: Forming dense thickets in S end; *Beach 1008*; *Stevens 315, 360*.

**Rhodotypos scandens* (Thunb.) Makino; jetbead – NE and NW areas near fence and near swampy area on N section; *Kolp 43, 98, 99*. 1970s: One shrub in E-cent. woods, probably adventive from nursery on N side; *Stevens 325*.

Rosa carolina L.; pasture rose – NW pond margin; *Goch 178*. 1970s: Common along S and W edges; *Beach 1225*; *Stevens 1673*.

**Rosa multiflora* Thunb.; multiflora rose – In N-cent. woods, swampy area of S woods, and S edge along fence and railroad ballast; *Goch 32*; *Kolp 97*; *Springer 1357*. 1970s: One large thicket along E edge; probably planted; *Beach 1199*; *Stevens 938, 1558*.

*‡*Rosa rugosa* Thunb.; Japanese rose; rugose rose – Ornamental; several shrubs on road bank on NW edge, outside fence, apparently planted; *Fung 1, 6*. 1970s: Not encountered.

Rubus allegheniensis Porter; common blackberry – NW pond margin; *Goch 36*. 1970s: Scattered; *Stevens 1623* (identified as *Rubus strigosus*).

Rubus flagellaris Willd.; northern dewberry – Path S woods near pond; *Altus* 4. 1970s:
Woods, SE corner; *Disosway* 45 (identified as *Rubus strigosus*).

Rubus occidentalis L.; black raspberry – NW edge outside fence, NE entrance outside
fence, and margin of railroad ballast and ditch, S edge; *Altus* 2, 3, 5; *Springer*
1329. 1970s: Scattered in woods; *Beach* 1054; *Stevens* 1559, 1622.

Spiraea alba Du Roi; meadowsweet – Not encountered. 1970s: Common in open areas
along S edge; *Beach* 1082; *Stevens* 2102.

RUBIACEAE (MADDER FAMILY)

Cephalanthus occidentalis L.; buttonbush – NW pond margin; *Goch* 177. 1970s:
Common in and around W ponds; *Beach* 1122; *Morse* 5899.

**Galium aparine* L.; goosegrass, cleavers, annual bedstraw – Common throughout
woods; *Crow* 10580; *Goch* 64; *Kolp* 71, 81; *Lincoln* 4; *Perez* 1. 1970s: Scattered
through woods, especially where disturbed; *Flanders* 238; *Stevens* 846.

Galium circaezans Michx.; white wild licorice – Not encountered. 1970s: Common in
cent. and S-cent. woods; *Beach* 1042; *Flanders* 137; *Stevens* 956.

Galium lanceolatum Torr.; yellow wild licorice – Not encountered. 1970s: In S-cent.
woods, rare; *Flanders* 84.

**Galium odoratum* (L.) Scop.; sweet woodruff – Single small patch along narrow east-
west tail, N side of woods; *Crow* 10591, new county record. 1970s: Not
encountered.

Galium tinctorium L.; stiff bedstraw – N-cent. along path; *Kolp* 79. 1970s: Not
encountered.

Galium triflorum Michx.; fragrant bedstraw – Frequent, NW entrance near fence;

Springer 1379. 1970s: Common throughout woods; *Beach 1127*; *Flanders 70, 124, 148*.

Mitchella repens L.; partridge-berry – Two small patches in W section of woods, and small patch on raised area adjacent to pond, N-cent. woods; *Chansler 16*; *Crow 10601*. 1970s: One large patch near SW pond; *Beach 1123*; *Stevens 1621*.

RUTACEAE (RUE FAMILY)

Ptelea trifoliata L.; wafer-ash, hop-tree – W-cent. woods at fence; *Goch 274*. 1970s: Not encountered.

Zanthoxylum americanum Mill.; prickly-ash – Very dense thickets in wet areas in woods near S edge; *Springer 1324*. 1970s: Common and forming thickets in wet parts of S woods; *Stevens 313, 802*; *Thomas 64*.

SALICACEAE (WILLOW FAMILY)

Populus deltoides Marshall; cottonwood – NW pond margin; *Goch 114*. 1970s:

Uncommon, large trees scattered in wet places and small trees along SE edges; *Stevens 2582*; *Thomas 74*.

Populus grandidentata Michx.; large-tooth aspen, big-tooth aspen – Not encountered.

1970s: (as *Populus canescens*). A few small trees along S edge; *Stevens 851*.

Populus tremuloides Michx.; quaking aspen, small-tooth aspen – Open area S-cent. edge near fence, and a NW group of small trees ca. 7 m tall, SE side of woods adjacent to railroad tracks; *Crow 10533*; *Goch 211*. 1970s: Common, small trees along S edge; *Stevens 848*.

Salix bebbiana Sarg.; beaked willow, Bebb's willow – Not encountered. 1970s: Along S edge; *Stevens 1677*.

Salix exigua Nutt.; sandbar willow – Not encountered. 1970s: (as *Salix interior*). Along S edge; *Beach 1022*; *Stevens 912, 1675*.

Salix nigra Marshall; black willow – NW corner woods at fence and margin of NW pond and wet ditch just outside fence along S edge of woods along railroad tracks; *Crow 10525*; *Goch 300*; *Kolp 112*. 1970s: Around NW pond, uncommon; *Stevens 884*.

Salix petiolaris Sm.; slender willow, meadow willow – Not encountered. 1970s: Along S edge; *Stevens 1678*.

SAPINDACEAE (SOAPBERRY OR MAPLE FAMILY)

**Acer campestre* L.; hedge maple – Ornamental tree, occasionally escaping; SW corner on road bank, inside fence, not planted; *Chansler 72*. 1970s: Not encountered.

*‡*Acer* × *freemanii* A. E. Murray (*Acer rubrum* × *A. saccharinum*); Freeman maple – Ornamental; recently planted on road bank W side, outside fence; *Fung 5*. 1970s: Not encountered.

Acer negundo L.; box-elder – Small tree along fence on S edge along railroad tracks; *Crow 10523*; *Goch 225*. 1970s: Common along drainage ditch in SE woods, and in NW corner; *Beach 1217, 1218*; *Stevens 279*.

Acer nigrum F. Michx.; black maple – NE corner in woods, near entrance and cent. woods, in wet soil; *Goch 298*; *Kolp 103*. 1970s: (as *Acer saccharum* var. *nigrum*). Occasional throughout woods (specimens suggest integration with *Acer saccharum*); *Beach 1187*; *Stevens 954*.

**Acer platanoides* L.; Norway maple – Ornamental tree, known to spread; SW corner of woods near path; *Goch 209*. 1970s: Adventive or planted along N side;

Duvendeck 61; Stevens 897.

Acer rubrum L.; red maple – Swampy area N-cent. woods, and W-cent. along fence;

Goch 273; Kolp 68, 69. 1970s: Common, especially in wet places; *Hamel 115, 116; Stevens 309, 896; Thomas 68*.

Acer saccharinum L.; silver maple – Several large trees on pond margin of W-cent

woods, and few small trees in damp soil just outside fence on S side along railroad tracks; *Crow 10534, 10585*. 1970s: Occasional in wet places in SE woods; *Stevens 864*.

Acer saccharum Marshall; sugar maple – Throughout the woods, dominant; *Goch 23,*

279; Kolp 60. 1970s: A dominant tree in all but the wettest places; *Hamel 117, 118; Stevens 831, 864*.

‡*Aesculus glabra* Willd.; Ohio buckeye – Planted recently on road bank W side outside fence; *Fung 29*. A native tree, but apparently planted in this case; not documented as growing wild for Ingham Co. (Voss and Reznicek 2012). 1970s: Not encountered.

**Aesculus hippocastanum* L.; horse-chestnut – Not encountered. 1970s: One small tree, adventive in cent. woods; *Flanders 165*.

SAXIFRAGACEAE (SAXIFRAGE FAMILY)

Micranthes pensylvanica (L.) Haw.; swamp saxifrage – Not encountered. 1970s: (as

Saxifraga pensylvanica). Rare, rich S-cent. woods; *Beach 1007*.

Mitella diphylla L.; bishop's-cap – Not encountered. 1970s: Moderately common in rich S-cent. woods; *Flanders 24*; *Stevens 829*.

SCROPHULARIACEAE (FIGWORT FAMILY)

**Verbascum blattaria* L.; moth mullein – S edge woods, open area of railroad ballast and ditch; *Goch 170*; *Kolp 25*; *Springer 1355*. 1970s: Uncommon weed along E side; *Stevens 2147*.

**Verbascum thapsus* L.; common mullein – S edge along railroad ditch; *Goch 163*.
1970s: Common along S side; *Stevens 2156*.

SOLANACEAE (NIGHTSHADE FAMILY)

Physalis heterophylla Nees; clammy ground-cherry – Not encountered. 1970s:
Uncommon along S edge in dry places; *Stevens 1568*.

**Solanum dulcamara* L.; woody nightshade – NE corner at entrance, pond margin in N woods, and S edge near railroad tracks; *Goch 122*; *Kolp 28*; *Springer 1343*.
1970s: Weedy around ponds; *Beach 1154*.

Solanum ptychanthum Dunal; black nightshade – Open area at edge of woods, NE corner outside fence; *Goch 185*. 1970s: Locally common in NE woods, opening caused by logging; *Beach 1074*; *Flanders 213* (both identified as *Solanum nigrum*).

STAPHYLEACEAE (BLADDERNUT FAMILY)

Staphylea trifolia L.; bladdernut – Locally abundant, S-woods; *Chansler 62*. 1970s: Rare, S-cent. woods; *Stevens 881*.

ULMACEAE (ELM FAMILY)

Ulmus americana L.; American elm, white elm – Widely scattered throughout, and ditch along railroad tracks; *Chansler 21*; *Crow 10522, 10524*; *Goch 33, 115*; *Kolp 23*.

1970s: Once common in wet places, but mostly killed by Dutch Elm disease;
Stevens 901.

Ulmus rubra Michx.; slippery elm, red elm – Disturbed places; *Kolp 26.* 1970s:
Occasional, in disturbed places; *Stevens 861, s.n.* (Sep 1973).

URTICACEAE (NETTLE FAMILY)

Boehmeria cylindrica (L.) Sw.; false nettle – NW pond margin; *Goch 174.* 1970s:
Common in wet places; *Flanders 126, 144, 147.*

Laportea canadensis (L.) Wedd.; wood nettle – NW corner, N-cent. pond margin, and
SW woods; *Goch 6, 220; Springer 1375.* 1970s: Common, especially in disturbed
places; *Flanders 80; Stevens 1616.*

Pilea pumila (L.) A. Gray; clearweed – Wet area, E-cent. woods; *Goch 229.* 1970s: In
wet disturbed places around ponds; *Flanders 143; Heaton 48-73; Stevens 2098.*

Urtica dioica L.; stinging nettle – NE corner woods at entrance; *Goch 145.* 1970s: Weedy
in wet woods near center of S edge; *Flanders 204; Stevens 1608.*

VERBENACEAE (VERVAIN FAMILY)

**Verbena stricta* Vent.; hoary vervain – Three plants seen, S section along railroad ditch;
Kolp 59. 1970s: Not encountered. According to Voss and Reznicek (2012),
Michigan is within the usually described natural range for the species, but they
regarded it as adventive in Michigan, with few collections known before 1940,
but then apparently spreading rapidly in disturbed sites.

Verbena urticifolia L.; white vervain – Not encountered. 1970s: Occasional, along E side;
Flanders 110; Stevens 1599.

VIOLACEAE (VIOLET FAMILY)

Viola canadensis L.; Canada violet – Scattered, locally abundant, E-cent., W-cent., and S woods near path; *Goch* 68; *Godden* 30; *Springer* 1311. 1970s: Near drainage ditch on E side; *Flanders* 102; *Stevens* 293, 318.

Viola ×eclipes H. Ballard (*Viola labradorica* × *V. striata*); Ballard's violet – Occasional, E side, in wet soil adjacent to vernal wet area, and S-cent. woods; *Crow* 10513; *Kolp* 9. 1970s: (as *Viola conspersa*). Rare, near S trail; *Stevens* 1081C.

Viola pubescens Aiton; yellow violet – N-cent. woods and N edge outside fence; *Goch* 62; *Springer* 1300. 1970s: Common in all but the wettest areas; *Beach* 1002; *Flanders* 25; *Stevens* 319, 320.

Viola rostrata Pursh; long-spurred violet – Scattered, cent. and W side of woods; *Goch* 248; *Springer* 1320. 1970s: Occasional throughout the woods; *Flanders* 256; *Stevens* 297; *Suttkus* 14.

Viola sororia Willd.; common blue violet – Common throughout woods, and NE corner woods (just outside fence, locally common); *Crow* 10528, 10529; *Goch* 70, 245; *Kolp* 70, 82. 1970s: Occasional throughout the woods; *Flanders* 9; *Stevens* 281, 285, 304, 334; *Suttkus* 2.

Viola striata Aiton; cream violet – Local, S section of woods; *Goch* 68; *Kolp* 8, 86. 1970s: Rare, SE corner; *Atwood* 365.

VITACEAE (GRAPE FAMILY)

Parthenocissus inserta (A. Kern) Fritsch; thicket creeper – NW corner at fence, and S woods by wet railroad ditch; *Goch* 277; *Springer* 1449. 1970s: (as *Parthenocissus vitacea*). Common along S edge; *Stevens* 156.

Parthenocissus quinquefolia (L.) Planch.; Virginia creeper, woodbine – Scattered, especially S woods; *Goch* 56, 290; *Smith* 26. 1970s: Common low vine; *Stevens* 2145.

Vitis aestivalis Michx.; summer grape – NW corner at fence, and NW pond shore; *Goch* 34, 266. 1970s: Forming dense thickets along E edge and occasionally within woods; *Flanders* 140; *Stevens* 1555.

Vitis riparia Michx.; river-bank grape – Open area at NW corner by fence and S-cent woods near fence; *Goch* 212, 261. 1970s: Scattered throughout woods, sometimes climbing into canopy; *Beach* 1016; *Ehrlinger* 76; *Stevens* 354.

