

Checklist of the Spontaneous Plants of The Morton Arboretum and Hidden Lake Forest Preserve

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Herbarium of The Morton Arboretum
4100 Illinois Route 53, Lisle IL, 60532-1293

Version 1-2, 13 April 2012

INTRODUCTION

This document is a working (i.e., unreviewed and unpublished) checklist of the vascular plants growing outside of cultivation at The Morton Arboretum. It was assembled initially as part of an IMLS-funded Conservation Project Support grant to survey the Arboretum's wooded natural areas, including the adjacent Hidden Lake Forest Preserve. During this project, the herbarium's role was to voucher collections made as part of a sampling of the vegetation, and to ground-truth sampling plots.

As part of this work, we surveyed the herbarium for all specimens collected on the grounds and have assembled from that survey a working checklist of the plants of the Arboretum for use by staff, volunteers, and anyone else who stumbles across it. The checklist by design excludes all planting growing in cultivation, whether accessioned or not, but is intended to include plants escaped from cultivation or persisting beyond the time of cultivation. Thus, for example, plants planted at Schulenberg Prairie and persisting to the current day are fair game and should be included in this checklist. Because the list was assembled from herbarium specimens, we expect that many species, even common ones, are not yet on the list.

The checklist is organized in three major groups: the pteridophytes (ferns and fern allies), followed by monocots and dicots. Within each of those groups, species are organized alphabetically by family, then by genus and species. Nomenclature follows a combination of *Flora of North America*, USDA Plants, and the vPlants checklist (www.vplants.org). Localities and dates in this version of the checklist are all based on collections in our herbarium (MOR). In future versions of this checklist, descriptions may be expanded to include site records.

If you find this useful and note any changes that need to be made (most likely additions), please let Andrew know (ahipp@mortonarb.org). I will update this as I have time.

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PTERIDOPHYTES**EQUISETACEAE**

***Equisetum arvense* L.** Prairie (1925). Plot FF-94 (2007). Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Equisetum* × *ferrissii* Clute (pro sp.) [E. *hyemale* × E. *laevigatum*].** Schulenberg Prairie (2000).

***Equisetum laevigatum* A. Braun.** The Morton Arboretum (1925).

LYCOPODIACEAE

***Diphasiastrum digitatum* (Dill. ex A. Braun) Holub.** Mixed Spruce Plot (Forest Road return) (1963).

OPHIOGLOSSACEAE

***Botrychium dissectum* Spreng.** N edge of mixed forestry plot, between maples and *Chamaecyparis thyoides*, on N side of Forest Road (1970). N edge of mixed forestry plot, between maples and *Chamaecyparis thyoides*, on N side of Forest Road (1970).

***Botrychium virginianum* (L.) Sw.** The Morton Arboretum (1923). Ravine Path (1936). East Woods (1940). Along Nature Trail (1941). Along Oakwood Drive (1947). In native woods near Parking #30, East Side (1970).

POLYPODIACEAE

***Adiantum pedatum* L.** Maple forest (1924). Ravine path (1936).

***Athyrium filix-femina* (L.) Roth var. *angustum* (Willd.) Lawson.** 50 feet south of Forest Road, in thicket (1935). East of Big Rock Visitor Station, along Main Trail Loop 4 (2006). S of P-12, just NE of Spruce Plot, in moist woodland along W side of trail (2007).

***Cystopteris protrusa* (Weatherby) Blasdell.** The Morton Arboretum (1923). Throughout woods (1936). BB121/area, in woodland NE of Big Rock Visitor Station, in dry creek bed near SE section of Woodland Trail (2006). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).

***Dryopteris carthusiana* (Vill.) H.P. Fuchs.** The Morton Arboretum (1961).

***Onoclea sensibilis* L.** Pool I (north side) (1924). East Woods (1936). Swamp near Viburnum Group on Forest Road Return (1941). Swamp near Viburnum Group on Forest Road Return (1941). Spruce Plot (2007).

***Polystichum acrostichoides* (Michx.) Schott.** X-121/area, east of Big Rock Visitor Station, NE of P14 along Main Trail Loop 4, in woodland (2006).

***Pteridium aquilinum* (L.) Kuhn var. *latiusculum* (Desv.) Underwood ex Heller.** The Morton Arboretum (1924). Woodland border SW of Meadow (1936). Along Meadow Road (1946). East Side, Remnant Prairie (1969).

GYMNOSPERMS**CUPRESSACEAE**

***Juniperus virginiana* L. var. *crebra* Fern. & Grisc.** Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

PINACEAE

***Picea glauca* (Moench) Voss.** Hidden Lake Forest Preserve. A few trees growing along a path dominated by *Lonicera maackii*, just N of JS779 (2007).

ANGIOSPERMS (MONOCOTS)**ALISMATACEAE**

***Alisma subcordatum* Raf.** Near spring (1924). West Side, in artificial pond near Sunfish pond (1977). Crowley Pond, wetland (2000). NE side of Japanese slough. Wet area, bottomland of DuPage River (2001). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

***Alisma triviale* Pursh.** Pool II (1923).

***Sagittaria cuneata* Sheldon.** Japanese Island, along river (1936). Sunfish Pond (1973).

***Sagittaria latifolia* Willd.** Hidden Lake Forest Preserve: marsh area adjacent DuPage River; in muck & river eddy (1996). East Side, Japanese Island (2000).

***Sagittaria rigida* Pursh.** Lake Marmo (2000).

ARACEAE

***Arisaema dracontium* (L.) Schott.** The Morton Arboretum (1923). East Woods, along Oakwood Drive (1947). Shaded ground near Japanese Island (1961). East Woods, Parking 7 (2000). T84/area, weedy opening in woodland (2006). One individual found along the south portion of Main Trail Loop 2, W of Bur Reed Marsh, in woodland (2007).

***Arisaema triphyllum* (L.) Schott.** Trail 1 F (1941). East Side, mesic forest (1972). East Woods, Parking 7 (2000).

***Arisaema triphyllum* (L.) Schott ssp. *triphyllum*.** West Side, J-03 area in savanna region near prairie (1990). Near Z82/area, on north side of Main Route (2006). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

***Symplocarpus foetidus* (L.) Salisb. ex Nutt.** Near the spring (1923). Near Spring S of Lake Marmo (1936). Springy area near outlet of Lake Marmo, E side of Simonds Rd (1970). Springy area at E end of Lake Marmo (1971). Springy area at E end of Lake Marmo (1971). S-10 area near Lake Marmo (1995). Near Marmo Lake and creek between Marmo and Sterling Pond; low area, periodic flooding, black clay soil (2001).

COMMELINACEAE

***Commelina communis* L.** South Farm, alongside barn near Blk VII (1925). South Farm, weed in dooryard (1925).

***Tradescantia ohiensis* Raf.** Along roadside near meadow (1936). The Meadow (1936).

CYPERACEAE

***Bolboschoenus fluviatilis* (Torr.) Sojak.** First pond (1924). Hidden Lake Forest Preserve: edge of water to shallowly within, to 15 dm deep (1997). R79/area, NE of Crowley Marsh, open wetland (currently dry). Forming a clone (?) at W edge of wetland in wetter areas (2006). SE corner of Arboretum, Puffer Marsh, E side of marsh, under power lines (2007).

***Carex aggregata* Mackenzie.** Along N edge of East Woods, S of Lacey Creek (1992). Along N edge of East Woods, S of Lacey Creek (1992). East Side. SE area of grounds, along gravel service road leading south from P12, through woodland. In moist soil (2007). East Side. Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Carex albursina* Sheldon.** The Morton Arboretum, near *Carpinus caroliniana* (1924). BB121/area, in woodland NE of Big Rock Visitor Station, in dry creek bed near SE section of Woodland Trail (2006).

***Carex alopecoidea* Tuckerman.** The Morton Arboretum, East Side. Crowley Marsh, north side, in shaded, moist ground (2010).

***Carex annectens* (E.P. Bicknell) E.P. Bicknell.** East Side. South end of P7 at the base of a woodchip pile, growing in woodchips (2007).

***Carex atherodes* Spreng.** East Side, along Crowley Pond (discovered when pond was in a draw down condition) (1988).

***Carex bicknellii* Britton.** Meadow N of Parking 29 (1961). East Side. Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Carex blanda* Dewey.** R75/area, woodland (2006). F107/area, woodland (2006). East Side. S of Main Route at entrance to P7 (2007). East Side. N41.81269° W88.04929°. South end of P7 at the base of a woodchip pile (2007). The Morton Arboretum, East Woods. On west-facing ravine slope in woodland (2010).

***Carex brevior* (Dewey) Mackenzie.** East Side. South end of P7 at the base of a woodchip pile (2007).

***Carex cephalophora* Muhl. ex Willd.** Hidden Lake Forest Preserve, East Side of the Arboretum (1985). V95/area. Fairly common in partial shade of *Quercus alba* (2006). East Side. A few individuals growing along worn-out path S of the Larch Collection and N of Main Trail Loop 2, in woodland (2007).

***Carex conjuncta* Boott.** East Side, along Crowley Pond (1988).

***Carex cristatella* Britton.** Along N edge of Bur Reed Marsh (1988). East Side. Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Carex emoryi* Dewey.** Schulenberg Prairie, along Willoway Creek near concrete bridge (1992).

***Carex granularis* Muhl. ex Willd.** West Side (2000).

***Carex gravida* Bailey.** Meadow N of Parking 29 (1961). Schulenberg Prairie; in upper prairie, E of the Bur Oak, W of trail marker 3, along path (1992).

***Carex grisea* Wahlenb.** Along Simonds Road just N of Arbordale gate (1961). F107/area, woodland (2006). East Side. SE area of grounds, along gravel service road leading south from P12, through

woodland. In gravelly soil (2007). East Side. Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).

***Carex hirtifolia* Mackenzie.** The Morton Arboretum (1923). The Morton Arboretum (1924). Woods along Forest Rd near Parking 25 (1961). East Woods along Forest Nature Trail (1970). East Side, in a very overgrown, moist "path." (2006). F107/area, woodland (2006). East Side. Along W side of gravel road in woodland near P12, in gravelly soil (2007).

***Carex hitchcockiana* Dewey.** East Woods, Research Plot W4, along Forest Road (1988). NE section of East Woods, along Parking 13 trail (1992).

***Carex hystericina* Muhl. ex Willd.** The Morton Arboretum (1923).

***Carex jamesii* Schwein.** Hidden Lake Forest Preserve (1978). Morton Arboretum, East Side. A-126/area, east of Etter Marsh in woodland (2006). East Side. NE of Big Rock Visitor Station, just S of south portion of Woodland Trail and just S of E-W creek. Over crest of hill leading away from creek, on a S-facing slope in sandy soil; woodland (2007). The Morton Arboretum, East Woods, near Parking 11 in sugar maple-dominated woodland (2010).

***Carex lacustris* Willd.** East Side, Bur Reed Marsh (1988).

***Carex laxiculmis* Schwein.** West Side, on shaded bluffs over Sterling Pond (1993).

***Carex leavenworthii* Dewey.** Along fence and roadside on N side of Arbor Lake (1977). Along fence and roadside on N side of Arbor Lake (1977). South side of Crowley Pond (1993). The Morton Arboretum, East Side. Crowley Marsh, north side, in shaded, moist ground (2010).

***Carex lupuliformis* Sartwell ex Dewey.** Hidden Lake Forest Preserve (1978).

***Carex lupulina* Muhl. ex Willd.** Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006). East Side. Woodland across the road from Big Rock Visitor Station, near road by culvert, in moist soil (2007).

***Carex molesta* Mackenzie ex Bright.** Schulenberg Prairie (2000). Schulenberg Prairie (2000). The Morton Arboretum, East Side. Crowley Marsh, north side, in shaded, moist ground (2010).

***Carex normalis* Mackenzie.** Along N edge of East Woods, S of Lacey Creek (1992). I117/area, south side of road, in woodland (2006). East Side. Savanna NW of Big Rock Visitor Station, on SW-facing slope near Main Route (2007). The Morton Arboretum, East Woods. A few plants growing along trail in woodland (2010). The Morton Arboretum, East Side. Growing in shrubby field (2010). The Morton Arboretum, East Side. Growing in shrubby field (2010).

***Carex oligocarpa* Schkuhr ex Willd.** Hidden Lake Forest Preserve (1978). Hidden Lake Forest Preserve: disturbed woodland (1995).

***Carex pensylvanica* Lam.** The Morton Arboretum (1923). East Side, grassy area near edge of woods in Old Viburnum Collection (1970). BB121/area, in woodland NE of Big Rock Visitor Station, in dry creek bed near SE section of Woodland Trail (2006). R75/area, woodland (2006). F107/area, woodland (2006).

***Carex projecta* Mackenzie.** Hidden Lake Forest Preserve (1978).

***Carex radiata* (Wahlenb.) Small.** West Side, near parking lot for Schulenberg Prairie, in ditch along Willoway Road (1993).

***Carex rosea* Schkuhr ex Willd.** The Morton Arboretum (1923). East Side, near road in oak-maple woods (1970). F107/area, woodland (2006). East Side. In woodland about 20' W of the worn-out path S of the Larch Collection and N of Main Trail Loop 2, on the bank of a dried-up creek bed (still

moist) and growing at the base of a leaning *Prunus* (2007). East Side. Savanna NW of Big Rock Visitor Station, on SW-facing slope near Main Route (2007). The Morton Arboretum, East Woods. A few plants growing along trail in woodland (2010).

***Carex sparganioides* Muhl. ex Willd.** Along Simonds Road just N of Arbordale gate (1961). East Side. A few individuals growing along worn-out path S of the Larch Collection and N of Main Trail Loop 2, in woodland (2007).

***Carex sprengei* Dewey ex Spreng.** East Side, in densely shaded woods at edge of path, near Parking 30 (1970).

***Carex stipata* Muhl. ex Willd.** The Morton Arboretum (1923). The Morton Arboretum (1923).

***Carex tenera* Dewey.** Along N portion of Bur Reed Marsh (1988). The Morton Arboretum, East Side. Growing in shrubby field (2010).

***Carex tribuloides* Wahlenb.** The Morton Arboretum (1923). In water of marsh near Maple Collection (1970). Near Etter Marsh (1987). Along N edge of Bur Reed Marsh (1988). Small wetland in woods S of Oakwood Loop Road and W of Parking 9 (1988). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). East Side. South edge of Spikerush Marsh (no standing water at this time), in moist ground (2007).

***Carex vulpinoidea* Michx.** East Side, Etter Marsh (1987). East Side, near Parking 12, by prairie (2000). East Side. South end of P7 at the base of a woodchip pile (2007). East Side. South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

***Carex woodii* Dewey.** The Morton Arboretum (1923).

***Cyperus erythrorhizos* Muhl.** N of East Branch of DuPage River, on shore of Sunfish Pond (inundated earlier) (1974).

***Cyperus esculentus* L.** In ditch through Prairie (1925). Prairie Restoration Project (1969). West Side, disturbed field or edge of woods in more mesic area; in area that is unmowed; in open areas (1996).

***Cyperus odoratus* L.** SE corner of Arboretum, N edge of Puffer Marsh (moist soil but no standing water at this time) (2007).

***Cyperus schweinitzii* Torr.** In sand storage bins S of propagating beds (1970).

***Cyperus squarrosus* L.** On shore of Arbor Lake, in mud (1971). Thornhill Parking 19 (1991).

***Cyperus strigosus* L.** The Morton Arboretum (1923). Pool II (1925). East Side, moist ground under high tension lines just W of Puffer Lake (1970). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). East Side. South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

***Eleocharis acicularis* (L.) Roemer & J.A. Schultes.** E end of Puffer Lake (1976).

***Eleocharis erythropoda* Steud.** Moist ground at Viburnum Collection (1961).

***Eleocharis obtusa* (Willd.) J.A. Schultes.** Pool II (1925). Small, temporary marsh SE of Bur Reed Marsh (1970). East Side, Crowley Pond, across from Crabapple Lake (2000). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

***Schoenoplectus acutus* (Muhl. ex Bigelow) A. & D. Love var. *acutus*.** The Morton Arboretum (1925).

***Schoenoplectus tabernaemontani* (K.C. Gmel.) Palla.** Pool near Japanese Island (1924). Ditch between Taxodium swamp and river (1925). Hidden Lake Forest Preserve: edge of gravel lake, mostly in water (1997). Arbor Lake (2000).

***Scirpus atrovirens* Willd.** The Morton Arboretum (1923). Prairie meadow (1924). Inlet from river, W side of Japanese Island (1936). E shore of Lake Marmo (1946). East Side, Inner Loop Continued (2000). East Side. Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Scirpus pendulus* Muhl.** The Morton Arboretum (1923). Swampy place on Prairie meadow (1924). Lacey cut-over land (1936). Along edge of slough W of Schumacher Forestry Plots (1946). East Side, meadow along Forest Rd (1969). Crowley Pond (1991). G-08 area, Schulenberg Prairie (1999). East Side. South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

DIOSCOREACEAE

***Dioscorea villosa* L.** South side of High Road (1936). In woodland (2007).

HYDROCHARITACEAE

***Elodea canadensis* Michx.** Hidden Lake Forest Preserve: edge of gravel lake in water to 6-7 dm deep (1997).

IRIDACEAE

***Iris pseudacorus* L.** West Side, in pond just W of Joy Path and E of Simonds Rd (1971). West Side, Joy Path (2000). West Side (2000).

***Iris virginica* L.** The Morton Arboretum (1923). East Side, Inner Loop (2000).

***Sisyrinchium albidum* Raf.** Behind woods near Crataegus #10 (1923). Prairie-meadow (1923). The Meadow (1936). Field E of the Meadow (1939). Field E of Parking 10 (1941).

***Sisyrinchium angustifolium* Mill.** Morton Arboretum, East Woods, Parking 9; along weedy roadside at edge of woodland near retired Ash Collection (2010).

JUNCACEAE

***Juncus dudleyi* Wieg.** East Side, in field near Etter Marsh (1987).

***Juncus nodosus* L.** In moist ground, under high power lines just west of Puffer Lake (1970).

***Juncus tenuis* Willd.** On path through Pyrus groups (1925). Woodland N of Parking 29 (1961). Along lower path in "The Acre", Prairie Restoration Project (1970). U95/area, in a very overgrown, moist "path." (2006). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). Hidden Lake FP, East Side. In woodland along a trail (2007).

***Juncus torreyi* Coville.** Bank of lake near Japanese Island (1924). Lake near Japanese Group (1925).

LEMNACEAE

***Lemna minor* L.** East Side, Oakwood Loop, inner loop (2000).

***Lemna trisulca* L.** East Side, small pond along S branch of Oakwood Loop (1970). Puffer Lake, near shore (1970).

LILIACEAE

***Allium canadense* L.** The Morton Arboretum (1923). East Side, in low open field (1970). West Side, J-03 area in savanna region near prairie (1990). West Side, off Simmons Rd in open field (1998).

Parking 7, East Woods (2000). Along East Woods Return near Darner Field, low area along road in woodland (2007).

***Allium cernuum* Roth.** Prairie (1924). The Meadow (1936). The Meadow (1946).

***Allium tricoccum* Ait.** East Woods (1946).

***Allium tricoccum* Ait. var. *burdickii* Hanes.** The Morton Arboretum (1923). The Morton Arboretum (1923). In woods near Parking 9 (1969). East Side, Maple woods (1971). Maple Group (1972). East Side, native woods (1970). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).

***Allium vineale* L.** Spring Road 25' N of Legume Collection sign (1971). AA-80 area in wet grassy place (1972). East Side, along Oakwood Loop in open grassy field (1972). Z-80 area (1972). East Side, the berm (2000). SE corner of Arboretum, Puffer Marsh, E side of marsh, under power lines (2007). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007). Far E side of Arboretum, W side of service road under power lines, on E-facing slope of shrubby field. Plot B-138 (2007).

***Asparagus officinalis* L.** Prairie meadow (1924). West Side, H-04 area along path to prairie (1990). I-5 area (1998). Parking 24, past Spruce Hill (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Camassia scilloides* (Raf.) Cory.** The Morton Arboretum (1923). SW Meadow, East Woods (1936). SW Meadow, East Woods (1936). East Woods (1937). Grassy area of Old Viburnum Collection, W of Jones Woods (1972). East Side, H-108 area near Quercus collection and Parking 7, N side of Forest Road beside foot trail; moist woods (1990). West Side (1999). Parking 7, East Woods (2000). East Side (2000). Just E of Parking 7, S of Main Route, along Main Trail Loop 4 in woodland (2007).

***Convallaria majalis* L.** West end of Parking 9 (1971). SE area of grounds, W of gravel service road leading south from P12, near where road splits to the east. Small population in low, moist, open area of woodland (2007).

***Erythronium albidum* Nutt.** The Morton Arboretum (1923). In the road (1923). Sargents Glade (1936). East Woods (1936). East Woods (1946). Along Oakwood Loop, E of Ericaceae Collection (1970). Along S branch of Oakwood Loop, E of Ericaceae Collection (1970). Hidden Lake Forest Preserve: in maple-oak woods (1995). The Morton Arboretum (1997). The Morton Arboretum (1998). East Woods Trail, just E of P7 in mixed woods; moist soil (2002). N of Parking 7, between Main Route and East Woods Return. In woodland; canopy open. Small colony along trail (Joined Loops 3 & 4) (2007).

***Erythronium americanum* Ker-Gawl.** N of Parking 7, between Main Route and East Woods Return, W side of N-S creek bed. In woodland; canopy open. A colony of about 40 plants growing on the ravine slope (2007).

***Hemerocallis fulva* (L.) L.** In unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration near concrete bridge (1987).

***Hypoxis hirsuta* (L.) Coville.** The Morton Arboretum (1923). Meadow (1936). Arbor Farm Pasture (1940).

***Lilium michiganense* Farw.** Prairie (1924). Swamp near Parking 7 (1941). About three yards off road to Schulenberg Prairie near edge of wooded area near a ditchlike area; approx. I-02 area (1998).

East Side, Bur Reed Marsh, off Oakwood Loop (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Maianthemum canadense* Desf.** Moist lowland, S side Puffer Lake, E of cottage site (1964).

***Maianthemum racemosum* (L.) Link.** The Morton Arboretum (1923). The Morton Arboretum (1923). Hemlock Hill (1936). Ravine Trail (1936). Along Forest Road (1940). East Woods (1941). East Woods (1946). Old Leaf Collection area near Aspen Collection (1960). East Woods on N branch of Oakwood Loop (1972). West Side, J-03 area in savanna region near prairie (1990). East Woods (1991). East Side, Sugar Maple-White Oak woodland, in forest ground layer (1997). In woods, T-3 area (1998). In woods, T-3 area (1998). East Woods, Parking 7 (2000). NE of Etter Marsh, S of Loop 4, in woodland (2006). U96/area, in a wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground (2006). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

***Polygonatum biflorum* (Walt.) Ell.** The Morton Arboretum (1923). The Morton Arboretum (1923). Hemlock Hill (1936). East Woods (1941). East Woods (1941). East Woods (1946). Hidden Lake Forest Preserve (1978). West Side, J-03 area in savanna region near prairie (1990). Parking 7, East Woods (2000). U96/area, NE of Bur Reed Marsh on slightly higher ground. Growing near a small, moist, shallow gully in woodland (2006).

***Polygonatum pubescens* (Willd.) Pursh.** The Morton Arboretum (1923). S of P-12, just NE of Spruce Plot, in moist woodland along W side of trail (2007).

***Scilla siberica* Haw.** Hidden Lake Forest Preserve (1986).

***Trillium flexipes* Raf.** The Morton Arboretum (1923). East Woods (1939). East Woods (1939). East Woods (1941). East Woods (1946). West intersection of Forest Rd Return and meadow Rd (1941). East Side (2007).

***Trillium grandiflorum* (Michx.) Salisb.** East Woods, near trail 1E, E of Oakwood Loop (1970). East Woods Trail, N of Parking 7; mixed woods; in colony on ravine slope, in moist soil (2002). N of Parking 7, between Main Route and East Woods Return, W side of N-S creek bed. In woodland; canopy open. A few plants found growing on ravine slope (2007).

***Trillium recurvatum* Beck.** The Morton Arboretum (1923). Woodland (1936). Trail 1 F (1941). West Side (1942). Pine Hill (1946). J-107 area in SW portion of East Woods, just off road (1990). Hidden Lake Forest Preserve: maple-oak woods (1995). East Woods, Parking 7 (2000). East Side. NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

***Uvularia grandiflora* Sm.** W of Mey Spruce Plot (1936). East Woods (1941). Native woods, East Side (1970). H-108 area near Quercus collection and Parking 7, N side of Forest Road beside foot trail (1990). East Woods Trail, N of Parking 7, in mixed woods; in a colony on ravine slope, in moist soil (2002). N of Parking 7, between Main Route and East Woods Return, E side of N-S creek bed. In woodland; canopy open. About 20 ft from road, near a leafy trail, on a slight slope leading toward creek bed (2007). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).

ORCHIDACEAE

***Corallorhiza maculata* (Raf.) Raf.** East Woods, N side of Forest Road (1962). East Woods - one plant within Research Study Plot 12 (M-114 area) and 8 others just SSW of the plot; most of plants near rotting logs, ground cover sparse, soil and leaf/twig litter moist; ground on a slight N-facing slope (1989). The Morton Arboretum's East Woods on a slight N-facing slope. A single plant was found growing near the SW post of Research Study Plot 12, which is about 50 ft N of grid point L-113 (2009). The Morton Arboretum's East Woods on a slight N-facing slope. Seven plants were observed growing in leaf litter just a few feet west of grid point N-115 (2009).

***Epipactis helleborine* (L.) Crantz.** East woods along Forest Road about 1/8 mi S of intersection of Meadow Road (1962). Along Forest Road return (1970). East Woods, along Forest Road (1970). Roadside, East Woods (1993). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007). Along west side of East Woods Return, at the base of a *Quercus rubra*, on the side of tree not visible from road (2007).

***Liparis liliifolia* (L.) Rich. ex Lindl.** Under planted spruces just north of the west end of Edgewood Drive, ca. JJ-81 (1962). Under planted spruces north of the west end of Edgewood Drive (1962). East Side, Spruce Woods (1970).

POACEAE

***Agrostis gigantea* Roth.** Upper end of Ravine Path (1925). In meadow along Forest Road (1969). West Side, in Prairie Restoration Project (1970). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).

***Agrostis perennans* (Walt.) Tuckerman.** Moist opening in woods near oak groups (1925). T77/area, woodland, on east-facing slope (2006).

***Alopecurus aequalis* Sobol.** The Morton Arboretum (1923). Moist ground in Viburnum Collection (1961).

***Alopecurus carolinianus* Walt.** In propagating beds near greenhouses (1970). South end of P7 at the base of a woodchip pile (2007).

***Alopecurus pratensis* L.** Linden Group as part of turf (1972).

***Andropogon gerardii* Vitman.** Prairie (1924). Prairie (beyond ditch) (1925). R-15 area (1998).

***Andropogon virginicus* L.** S side of Forest Road just W of Mixed Forestry Plot, in turf (1970).

***Anthoxanthum odoratum* L.** East Side, grassy area of Magnolia Collection, along N side of Forest Rd (1970). S of Main Route at entrance to P7 (2007).

***Arrhenatherum elatius* (L.) Beauv. ex J. & K. Presl.** H-25 area (1988).

***Bouteloua curtipendula* (Michx.) Torr.** Prairie (1924).

***Bromus inermis* Leyss.** Near Thornhill Service Road (1961). East Side, near Parking 12, by prairie (2000). SE corner of Arboretum, along service road, in open, grassy area E of Puffer Marsh, under power lines in dry soil (2007).

***Bromus japonicus* Thunb. ex Murr.** Tilia Collection (1969). East Side, the berm (2000).

***Bromus kalmii* A. Gray.** The Morton Arboretum (1923). Woods (1924). Woods (1924). Prairie (1924). Woodland N of Parking 29 (1961). "East woods", near point where Meadow Rd departs (sunwise) from Forest Rd (1970). East side of East Woods Return, in slightly open area of woodland (2007).

***Bromus tectorum* L.** The Morton Arboretum (1925).

- Buchloe dactyloides* (Nutt.) Engelm.** In grass near NW side of Meadow Lake, just 100 yds from beginning of Illinois Tree Trail (1979).
- Calamagrostis canadensis* (Michx.) Beauv.** East Side, S edge of Bur Reed Marsh (1970).
- Crypsis schoenoides* (L.) Lam.** Behind Thornhill, in ruderal and bare ground with a high nitrogen content (2002).
- Dactylis glomerata* L.** Woods near oak group (1925). Chinese group (1936). Weed near Parking 18 (1961). Lawn of Tilia collection (1969). Weedy area along the NE shore of Puffer Lake (1970). West Side, along Simonds Rd in Crabapple collection, Z-31 area; open field area (1998). East Side, Parking 7, prairie (2000). W of Bur Reed Marsh, S of Main Trail Loop 2, grassy area, slightly uphill (2007). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).
- Danthonia spicata* (L.) Beauv. ex Roemer & J.A. Schultes.** About O-11 on Arboretum grid, in meadow (1970).
- Dichanthelium acuminatum* (Sw.) Gould & C.A. Clark ssp. *implicatum* (Scribn.) Freckmann & Lelong.** The Morton Arboretum (1923). Old field not far from map station #3, far east side of Arboretum (1970). Shrub border area around Prairie Restoration Area (1981). Near the maple forest (1989). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).
- Dichanthelium latifolium* (L.) Harvill.** The Morton Arboretum (1923). East Woods along Forest Rd (1969). Near Z82/area, on north side of Main Route (2006).
- Digitaria ischaemum* (Schreb.) Schreb. ex Muhl.** Along service road to Tree Breeding Nursery, E of Crabapple Lake, in an open area by woodland (2007).
- Digitaria sanguinalis* (L.) Scop.** Cultivated grounds (1925). The Morton Arboretum (1970). West Side, near Parking 18; outside fire ring around sand pit, disturbed sites (1997). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).
- Echinochloa crusgalli* (L.) Beauv.** East Side, on berm (2001). Behind Thornhill, in ruderal and bare ground with a high nitrogen content (2002). R83/area, woodland (2006).
- Echinochloa muricata* (Beauv.) Fern.** The Morton Arboretum (1923). Weed in Prairie Restoration Project (1969).
- Echinochloa muricata* (Beauv.) Fern. var. *microstachya* Wieg.** Bank of Lake near island (1925).
- Echinochloa muricata* (Beauv.) Fern. var. *muricata*.** U96/area, NE of Bur Reed Marsh on slightly higher ground. In small, moist, shallow gully in woodland (2006).
- Eleusine indica* (L.) Gaertn.** Thornhill Parking lot, in cracks in pavement (1978).
- Elymus canadensis* L.** East Side, the berm (2000).
- Elymus hystrix* L. var. *hystrix*.** The Morton Arboretum (1923). Mixed woods (1924). Border of woods near clearing (1925). Along Forest Road near Mey Spruce Plot (1936). Along Oakwood Loop (1969). East Side, W-117 area, N side of Forest Rd, beside road (1990). East Woods (1991). East Woods (2000). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007).
- Elymus repens* (L.) Gould.** Malus groups (1925). In nursery beds (1969). East Side, weed in Deutzia Collection (1970). East woods (1991). East edge of Etter Marsh, not far from woodland. Marsh

dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).

***Elymus villosus* Muhl. ex Willd.** Along Meadow Road (1936). Woodland N of Parking 29 (1961). E of old *Fraxinus* collection, just N of bridge on Main Trail Loop 4. Sugar maple dominated woodland (2007). N edge of Etter Marsh, close to woodland (2007).

***Elymus virginicus* L.** Prairie (1924). T77/area, woodland, on east-facing slope (2006).

***Eragrostis capillaris* (L.) Nees.** The Morton Arboretum (1924). Roadside near Chinese Collection (1961).

***Eragrostis cilianensis* (All.) Vign. ex Janchen.** Waste places (1924). Waste ground of soil bank along south service drive parallel to E-W Tollway (1970). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Eragrostis pectinacea* (Michx.) Nees ex Steud.** Waste ground of soil bank along S service drive parallel to E-W Tollway (1970).

***Festuca subverticillata* (Pers.) Alexeev.** The Morton Arboretum (1923). Woodland north of Parking 29 (1961). East Woods ca. 100 feet NE of Oak Collection parking lot (1974).

***Glyceria septentrionalis* A.S. Hitchc.** The Morton Arboretum (1923). Growing in water of marsh near Maple Collection (1970).

***Glyceria striata* (Lam.) A.S. Hitchc.** The Morton Arboretum (1923). Pool I (1924). Weed near Joy Path S of Thornhill Building (1961). Wet woods (1982). Small wetland in woods S of Oakwood Loop Rd and W of Parking 9 (1988). East Side. U95/area, in a very overgrown, moist "path." (2006). East Side. U95/area, in a very overgrown, moist "path." (2006). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). East Side. V95/area (2006).

***Hierochloa odorata* (L.) Beauv.** Prairie (1924).

***Holcus lanatus* L.** East Side, University of Illinois Drug Station (1971).

***Hordeum jubatum* L.** The Morton Arboretum (1923). Prairie Restoration Project (1970). East Side, median of Hwy 53, G-36 area (1990). East Side, Service area (2000).

***Leersia oryzoides* (L.) Sw.** Near spring in western part of Arboretum (1924). Moist places near Japanese Island (1924).

***Leersia virginica* Willd.** Woods opposite *Crataegus* meadow (1924). In ditch behind woods opposite *Crataegus* meadow (1925). I117/area, south side of road, in woodland (2006). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006). R75/area, woodland (2006). F107/area, woodland (2006).

***Lolium perenne* L.** East Side, near Parking 12, by prairie (2000).

***Muhlenbergia frondosa* (Poir.) Fern.** Moist shaded ground (1953). U95/area, in a very overgrown, moist "path" (2006).

***Muhlenbergia schreberi* J.F. Gmel.** Woods near Oak group (1925). Woods near Oak group (1925). Roadside near Chinese Collection (1961). Weed in beds along Joy Path (1969). T84/area, weedy opening in woodland (2006).

***Panicum capillare* L.** The Morton Arboretum (1924). Prairie (1924). Weed in Prairie Restoration Project (1969). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

- Panicum dichotomiflorum* Michx.** Arbordale Village, along roadside (1978).
- Panicum virgatum* L.** Prairie (1924). Prairie (1924). Schulenberg Prairie (2000).
- Pennisetum glaucum* (L.) R. Br.** Weed along south service drive, parallel to E-W Tollway (1970). U95/area, in a very overgrown, moist "path." (2006). U96/area, in a wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground (2006). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).
- Phalaris arundinacea* L.** Low ground along Thornhill Service Road (1961). Crowely Pond (1991). Forest Edge Loop, off Forest Rd (2000). SE corner of Arboretum, along service road, in open, grassy area E of Puffer Marsh, under power lines in dry soil (2007).
- Phleum pratense* L.** The Morton Arboretum (1923). The Morton Arboretum (1923). Around V-11, in lawn near Cedar Point (1969). East Side, along Meadow Road (1970). East Side, along Meadow Road (1970). Caucasian Collection of woody plants (1971). Back to Thornhill (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Phragmites australis* (Cav.) Trin. ex Steud.** East edge of Etter Marsh, not far from woodland (2007).
- Poa annua* L.** West of Parking 5 near Thornhill Building (1961).
- Poa bulbosa* L.** Dogwood portion of the Shrub Collection (1971). Dogwood Collection, i.e. within the Shrub Collection in Lacey Land (1971).
- Poa compressa* L.** Open woods, between geog region groups and Walnut plots (1925).
- Poa pratensis* L.** The Morton Arboretum (1924). Roadside W of Arbordale (1961). East Side, weedy open meadow area of Street Tree Collection (1970). East Side, Parking 7, prairie (2000). SE area of grounds, along gravel service road leading south from P12, through woodland. In gravelly soil (2007).
- Poa sylvestris* A. Gray.** East Woods, along W edge of woodland research plot 9, at NW corner (1990).
- Schedonorus pratensis* (Hudson) P. Beauv.** Bank of river, near iron bridge, beginning of Philadelphus group (1925). Weedy area along NE shore of Puffer Lake (1970). Weedy area along NE shore of Puffer Lake (1970). West Side, on road to restored prairie, near N-08 (1982).
- Schizachyrium scoparium* (Michx.) Nash.** Schulenberg Prairie, DuPage River branch; developing prairie (1997).
- Secale cereale* L.** East Side, weedy, grassy area of Street Tree Collection (1970).
- Setaria faberi* Herrm.** Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).
- Setaria verticillata* (L.) Beauv.** Weed on Arboretum grounds (1969).
- Setaria viridis* (L.) Beauv.** The Morton Arboretum (1923). Weed S of greenhouse (1969). East Woods (1991). West Side, Parking 23 (2000).
- Setaria viridis* (L.) Beauv. var. *major* (Gaudin) Pospichal.** Moist places near Japanese Island (1924). In rich disturbed soil, approximately G-42 area (1988).
- Sorghastrum nutans* (L.) Nash.** I-5/area (1998). Schulenberg Prairie (2000). Hidden Lake Forest Preserve. Shrubby edge of a large woodland opening, along trail (2007).
- Sorghum bicolor* (L.) Moench ssp. *bicolor*.** Edge of "new marsh" by Sunfish Pond (1978).
- Spartina pectinata* Bosc ex Link.** Near little creek, Prairie (1924).

***Sphenopholis intermedia* (Rydb.) Rydb.** Weedy area along NE shore of Puffer Lake (1970).

***Sporobolus heterolepis* (A. Gray) A. Gray.** Schulenberg Prairie (2000).

***Sporobolus neglectus* Nash.** In Prairie Restoration Project (1969).

***Triodia flava* (L.) Smyth.** Far E side of Arboretum, W side of service road under power lines, on E-facing slope of shrubby field. Plot B-138 (2007).

***Zizania aquatica* L.** River near Japanese Island (1924). Along river near Philadelphus group (1925).

PONTEDERIACEAE

***Heteranthera dubia* (Jacq.) MacM.** In wet gravel, E side of Arbor Lake (1970).

***Pontederia cordata* L.** Lake near Japanese group (1925). East Side, Crabapple Lake (2000).

POTAMOGETONACEAE

***Potamogeton crispus* L.** In Meadow Lake (1971). Arbor Lake, ENE side of lake about 5 m from shore and 3 m deep submerged in lake (1982).

***Potamogeton foliosus* Raf. ssp. *foliosus*.** Lake near Japanese Island (1924). Puffer Lake (1970).

***Potamogeton illinoensis* Morong.** Hidden Lake Forest Preserve: in lake S of Butterfield Road and E of Rte 53 (2002). Hidden Lake Forest Preserve: in lake at intersection of Rte 53 and Butterfield Road (2003).

***Potamogeton nodosus* Poir.** Lake Marmo (1991). Lake Marmo (2000).

***Stuckenia pectinatus* (L.) Boerner.** E edge of Meadow Lake (1970).

SMILACACEAE

***Smilax ecirrhata* S. Watson.** The Morton Arboretum (1923). East Woods (1941). East Side, H-108 area near *Quercus* collection and Parking 7; N side of Forest Rd beside foot trail; moist woods (1990). Parking 7, East Woods (2000). I117/area, south side of road, in woodland (2006). G109/area, woodland (2006). S of Main Route at entrance to P7 (2007). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).

***Smilax hispida* Muhl. ex Torr.** Along the ravine (1923). The Morton Arboretum (1923). Crabapple Meadow (1935). In clearing S of Picnic Grounds (1935). Junction of Meadow and Forest Rd (1971). Along Main Trail Loop 2 near the bridge at Bur Reed Marsh (2007).

***Smilax lasioneura* Hook.** The Morton Arboretum (1923). Crabapple Trail (1935). Crabapple Trail (1935). Along Forest Rd near Old Honeysuckle group (1946). The Meadow (1946). East Woods, Parking 7 (2000). F107/area, woodland (2006). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

SPARGANIACEAE

***Sparganium eurycarpum* Engelm. ex A. Gray.** Lake at Japanese Island (1923). Inlet from river, W side of Japanese Island (1936). Crowley Pond (1991).

TYPHACEAE

***Typha angustifolia* L.** In Meadow Lake (1971). Hidden Lake Forest Preserve: edge of gravel lake, mostly shore edge and in shallows of water (1997). Etter Marsh (2000). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Typha latifolia* L.** The Morton Arboretum (1923). Crowley Pond (1991). Hidden Lake Forest Preserve: in disturbed grassland area above marsh region (1997). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).

ANGIOSPERMS (DICOTS)

ACERACEAE

***Acer campestre* L.** In woods near Illinois Trees Trail (1993). F107/area, woodland (2006). Grassy field SW of Bur Reed Marsh (2007).

***Acer* × *freemanii* E. Murr. [*A. rubrum* × *A. saccharinum*].** Along stream E of Prairie (1935).

***Acer ginnala* Maxim.** East Side, along south side of north reach or Oakwood Loop between W84/Y84 grid corners (1978). U95/area, NE area of Bur Reed Marsh, shrubby edge (2006). Grassy field SW of Bur Reed Marsh (2007).

***Acer negundo* L.** Hidden Lake Forest Preserve: fence row (1997). NE of Big Rock Visitor Station, NE portion of Woodland Trail, in woodland along trail (2007).

***Acer negundo* L. var. *violaceum* (Kirchn.) Jaeger.** Hidden Lake Forest Preserve: scattered throughout preserve on disturbed sites (1998).

***Acer nigrum* Michx. f.** Parking 7, East Woods (2000). Plot W128, east of Big Rock Visitor Station, near Main Trail Loop 4, in woodland (2006).

***Acer platanoides* L.** Hidden Lake Forest Preserve. Open area just outside woodland (2007).

***Acer rubrum* L.** Arbor Lake by tollway fence (1970).

***Acer saccharinum* L.** P95/area, W edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

***Acer saccharum* Marsh.** The Morton Arboretum (1923). The Morton Arboretum (1936). West entrance of Jake May Spruce Plot (1935). NW corner of Lake Marmo (1935). NW of Lake Marmo (1937). *Acer* collection - 400 ft. east of parking area #24 B (1965). H-108/area near *Quercus* collection and Parking 7. On north side of Forest Road beside foot trail. In moist woods (1990). T77/area, woodland, on east-facing slope (2006).

AMARANTHACEAE

***Amaranthus albus* L.** Waste places (1925). Waste places, along roads (1926). Nursery beds (1969).

***Amaranthus blitoides* S. Wats.** Waste places, along roads (1926). Nursery beds (1969).

***Amaranthus hypochondriacus* L.** Along Joy Path in Peony Bed (1994).

***Amaranthus retroflexus* L.** Waste ground of soil bank along south service drive, parallel to E-W Tollway (1970).

***Amaranthus tuberculatus* (Moq.) Sauer.** Crataegus meadow (1923). Waste places (Pyrus group) (1925). Waste places (1925). T84/area, weedy opening in woodland (2006). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

ANACARDIACEAE

***Rhus glabra* L.** North Trail (1935). Along Forest Road (1946). East Side, Remnant Prairie (the "Old Meadow") (1969). W of Lake Jopomaca (1993). Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). East Side, edge of woods near Parking 13 near power lines (1997). Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

***Rhus* × *pulvinata* Greene (pro sp.) [*R. glabra* × *R. typhina*].** Just up the slope from Willoway Creek near the old bridge, Schulenberg Prairie (1992). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993).

***Rhus typhina* L.** Weedy hedgerow at extreme E edge of Arboretum where Forest Road begins to loop back (1970). East Side, I-138 area near Parking 13 in wooded area beside road (1990). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Arbor Lake (2000). SE corner of Arboretum along service road directly N of Puffer Marsh, at woodland edge (2007).

***Toxicodendron radicans* (L.) Kuntze.** The Morton Arboretum (1923). East Side, E of pit, along trail 3 (1971). On old Malus tree in Colored Group (1972). On old Malus tree in Colored Group (1972). GG127/area, NE of Big Rock Visitor Station, in wooded area (2006).

ANNONACEAE

***Asimina triloba* (L.) Dunal.** A few individuals growing together just off the Main Route. In woodland on slight N-facing slope (2007).

APIACEAE

***Aegopodium podagraria* L.** R-84 area on S side of Oakwood Loop on shaded roadside (1973). East Side, Parking 8, along Oakwood Loop (2000).

***Angelica atropurpurea* L.** Ozarks (1936). East Woods (1936). Indian Spring, near Lake Marmo dam (1972).

***Anthriscus cerefolium* (L.) Hoffmann.** Rich ground behind 4S-103 Lincoln Ave (1979).

***Cicuta maculata* L.** North shore of Lake Marmo (1946).

***Conium maculatum* L.** East Woods (2000). SE corner of Arboretum along service road directly N of Puffer Marsh, in field near woodland edge, dominated by *Phalaris arundinacea* (2007).

***Cryptotaenia canadensis* (L.) DC.** Maple wood near Prairie meadow (1925). Woodland border W of Mey Spruce Plot (1936). Sargent's Glade (1946). West Side, woods near Parking 9 (1969). Rather degraded area at W edge of East Woods, just N of Forest Rd, along path 1 (1970). East Side, H-108 area near Quercus collection and Parking 7, N side of Forest Road beside foot trail; moist woods (1990). East Side, Forest Edge Loop, off Forest Rd (2000). Not far from the northern merge of Main Trail Loops 1 and 2. In woodland along trail in moist soil (2007).

***Daucus carota* L.** Along Meadow Road (1946). East Slope, Pine Hill (1946). West Side, along Valley Road (1969). Hidden Lake Forest Preserve: on trail E to backwoods area; open area (1997). Arbor Lake (2000). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

***Eryngium yuccifolium* Michx.** Near Schulenberg Prairie, K-011 area (1998). Schulenberg Prairie (2000).

***Heracleum mantegazzianum* Sommier & Levier.** West Side (2000). Along service drive behind Thornhill building, on upper lip of an intermittent stream (2002).

***Heracleum maximum* Bartr.** Prairie-meadow (1923). Clearing opposite swamp (1925). East Woods along Forest Rd (1936). East Woods along Forest Rd (1936). Forest Rd (1936). Forest Rd (1936). Near Overlook on Forest Rd (1972). East Side, Inner Loop (2000). East Side (2000). N80/area, east of Crowley Marsh in a wooded area along the "To Exit" road (2006). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Osmorhiza claytonii* (Michx.) C.B. Clarke.** Along Main Trail near Mey Farm (1936). Thicket bordering the Meadow (1940).

***Osmorhiza longistylis* (Torr.) DC.** The Morton Arboretum (1923). In woodland E of Appalachia, N of P16, and about 20' from Main Trail Loop 2 (2007).

***Oxypolis rigidior* (L.) Raf.** Prairie, low place (1924).

***Pastinaca sativa* L.** Roadside (1923). In unmown Eurasian meadow in Prairie Restoration Area (1970). East side by U. of I. property lines, open field. Near power lines (1998). East Side, by University of Illinois, Chicago Field Station, near power lines; open fields (1998). Schulenberg Prairie (2000). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Sanicula canadensis* L. var. *grandis* Fern.** Maple woods near Prairie meadow (1925). F107/area, woodland (2006).

***Sanicula gregaria* Bickn.** East Woods (1936). Forest Road near Mey Spruce Plot (1936). Thicket bordering the Meadow (1941). Woods along path 42, between Simonds & Round Meadow Lane (1970). Rather degraded area at W edge of East Woods, just N of Forest Rd along path 1 (1970). Along a worn-out path S of the Larch Collection near Main Trail Loop 2, in woodland (2007).

***Sanicula marilandica* L.** The Morton Arboretum (1923).

***Sium suave* Walt.** The Morton Arboretum (1925). East Side, Japanese Island (2000). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

***Thaspium trifoliatum* (L.) A. Gray var. *aureum* Britton.** The Morton Arboretum (1923). Woodland border along Lacey Cut-over land (1936). East Side, Remnant Prairie (The Meadow), along Meadow Rd (1970).

***Zizia aurea* (L.) W.D.J. Koch.** The Morton Arboretum (1923). Woodland border SW of Meadow (1936). Along roadside near Meadow (1936).

APOCYNACEAE

***Apocynum androsaemifolium* L.** Along Meadow Road (1936). Remnant Prairie (1969).

***Apocynum cannabinum* L.** Hidden Lake Forest Preserve (1985). Pine Hill (1993). Hidden Lake Forest Preserve: along marsh area between DuPage River and artificial lake; low area by marsh; edge of marsh (1996). Hidden Lake Forest Preserve: in disturbed grassland above wet meadow (1997). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea*. A few individuals in partial shade of *Populus deltoides* (2006). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Apocynum sibiricum* Jacq.** The Morton Arboretum (1923). Prairie meadow (1924). West Side, Parking 24, past Spruce Hill (2000).

***Vinca minor* L.** West Side, along Thornhill Drive, II-38 area, along creek (1999).

ARALIACEAE

***Aralia elata* (Miq.) Seem.** Along N border of Arboretum, S of fence (1993).

***Aralia nudicaulis* L.** S of P-12, just NE of Spruce Plot, in moist woodland along E side of trail (2007).

***Aralia racemosa* L.** Right side of path leading from thicket into virgin prairie (1946). E side of path leading from thicket into meadow (1946). Spruce Plot (2007).

***Panax quinquefolium* L.** The Morton Arboretum (1923). Spruce plot (1983). NE of Appalachia Collection in woodland ravine. Small, scattered colony on S-facing slope along dry creek bed (2007).

ARISTOLOCHIACEAE

***Asarum canadense* L.** The Morton Arboretum (1923). North Trail (1936). Native woods S of new Willow Collection (1972). J-107 area in SW portion of East Woods (1990). The Morton Arboretum (1998). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

ASCLEPIADACEAE

***Ampelamus laevis* (Michx.) Krings.** Prairie Restoration Project in fallow land (1970).

***Asclepias exaltata* L.** The Morton Arboretum (1923). East woods near Meadow (1941).

***Asclepias incarnata* L.** Marshy area bordering Forest Road (1936). East shore Lake Marmo (1946). Along W side of DuPage River, Y-42; meadow (1981). Hidden Lake Forest Preserve: along marsh area between DuPage River and artificial lake, in low area, near edge of meadow (1996). West Side, Ozark Island, by Ozarks (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea*. Near north edge of wetland (2006). SE corner of Arboretum, N edge of Puffer Marsh (moist soil but no standing water at this time). Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Asclepias purpurascens* L.** Meadow N of Parking 29 (1961). Unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration (1987). Schulenberg Prairie (2000).

***Asclepias syriaca* L.** Hidden Lake Forest Preserve: marsh area and fields by DuPage River, disturbed area (1996). Hidden Lake Forest Preserve: disturbed grassland above wet meadow (1997). Near service road (1998). G-08 Schulenberg Prairie (1999). East Side, the berm (2000).

***Asclepias tuberosa* L.** In unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration (1987). Schulenberg Prairie (2000).

***Asclepias verticillata* L.** Prairie (1925). NE shore of Meadow Lake near Illinois Trees Trail (1971). SW of Big Rock near plot QQ-107, in field on slight E-facing slope (2007).

***Asclepias viridiflora* Raf.** Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Vincetoxicum nigrum* (L.) Moench.** Weed in hedge (1971). On fence at walk-in gate E of Rte 53 (1988).

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***Achillea millefolium* L.** The Morton Arboretum (1923). Along Forest Road (1936). Along Meadow Road (1941). L-99/area along north side of Forest Road, in an unmowed area (1990). G-08 Schulenberg Prairie (1999). Parking 7, prairie, east side (2000). Grassy field SW of Bur Reed Marsh (2007). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).

***Ambrosia artemisiifolia* L. var. *elatior* (L.) Descourtils.** Waste place near Japanese group (1925). Along Meadow Road (1946). In beds of shrub group (1969). Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area; scattered in field & on flood plain (1996). Hidden Lake Forest Preserve: off Rt. 53 along trail; meadow next to tree border (1997). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006). North of the Main Route road and west of Big Rock. Along gravel road between a woodland edge and an open area; growing on the woodland edge side (2006).

***Ambrosia trifida* L.** Along Meadow Road (1946). Along Round Meadow Lane (1969). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006).

***Ambrosia trifida* L. var. *trifida* .** Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area (1996).

***Antennaria neglecta* Greene.** Behind Symphoricarpos group (1923).

***Antennaria parlinii* Fern.** Along Ridge Road (1936). East Woods, along roadside (1946). West of Parking #34, in an open meadow area (1970). Along Oakwood Loop, in open meadow area, W of Parking 34 (1970).

***Anthemis arvensis* L.** On N side of South Farm, in sandy waste ground (1974).

***Anthemis cotula* L.** The Morton Arboretum (192?).

***Arctium lappa* L.** SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines (2007).

***Arctium minus* Bernh.** Woods opposite Crataegus meadow (1925). S of greenhouse (1969). Hidden Lake Forest Preserve: on Trail E to backwoods area; disturbed edge of wood, open area (1997). Hidden Lake Forest Preserve: on Trail E to backwoods area; disturbed edge of wood, open area (1997). Hidden Lake Forest Preserve: on Trail E to backwoods area; disturbed edge of woods and open areas (1997). East Side, Wetland area near Japanese Island (2000). Intersection of Main Route and East Woods Return, in open grassy patch near woodland (2007).

***Artemisia biennis* Willd.** Waste places (1924).

***Aster cordifolius* L.** East edge of Etter Marsh, not far from woodland (2007).

***Aster drummondii* Lindl.** Crataegus meadow (1923). The Morton Arboretum (1924). The Morton Arboretum (1924). Border of woods opposite Crataegus meadow (1925). The Meadow (1936). Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area

(1996). Schulenberg Prairie parking lot (2000). North of the Main Route road and west of Big Rock Visitor Station. Near gravel road and an open wooded area (2006).

***Aster ericoides* L.** Dry Prairie; beyond ditch, along fence (1925).

***Aster lanceolatus* Willd. var. *interior* (Wieg.) Semple & Chmielewski.** Moist place (ditch) on first Prairie meadow (1925). Moist opening above ravine (1925). Prairie Creek edge (1980).

***Aster lateriflorus* (L.) Britton.** Crataegus meadow (1924). Crataegus meadow, along creek (1925). North of the Main Route road and west of Big Rock Visitor Station. Near gravel road and an open wooded area (2006). HH126/area, NE of Big Rock Visitor Station, in an open area of thickets surrounded by a woodland (2006).

***Aster novae-angliae* L.** Open woods, sunny and moist (1923). Behind woods opposite Crataegus meadow (1925). N border of Meadow (1936). Along stream below dam (1936). Along Slusser Drive, 100 yds E of Leask Ln (1982). Schulenberg Prairie (2000). SE of Appalachia Collection, along Main Route on S side of road (2007).

***Aster pilosus* Willd.** Slusser Prairie, W end of Arboretum (1972). Along roadside to Arboretum farmhouse (1979).

***Aster pilosus* Willd. var. *pilosus* .** Crataegus meadow (1923). Crataegus meadow (1924). Crataegus meadow (1925).

***Aster shortii* Lindl.** The Morton Arboretum (1924). Woods opposite Crataegus meadow (1925). Forest Road (Dumeling land) (1936). Old Leaf Collecting area near Aspen Area (1960). East Woods (1980). I117/area, south side of road, in woodland (2006). Hidden Lake Forest Preserve. Plot XX-147, woodland (2006).

***Aster subulatus* Michx.** Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River in disturbed area; on road around lake, open area (1996).

***Bidens comosa* (A. Gray) Wieg.** The Morton Arboretum (1924).

***Bidens frondosa* L.** The Morton Arboretum (1923). The Morton Arboretum (1924). SE corner of Arboretum, N edge of Puffer Marsh (moist soil but no standing water at this time). Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Bidens polylepis* Blake.** Along the gravel road which runs parallel to the border of Hidden Lake Forest Preserve, in moist soil of woodland edge (2006). Along the gravel road which runs parallel to the border of Hidden Lake Forest Preserve, in moist soil of woodland edge (2006).

***Bidens vulgata* Greene.** West Side, along W edge of Lake Marmo, T-10 area (1999). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006).

***Boltonia asteroides* (L.) L'Her. var. *recognita* (Fern. & Grisc.) Cronq.** Crataegus meadow (1923). Moist prairie (1925).

***Cacalia atriplicifolia* L.** In unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration (1987). Schulenberg Prairie (2000).

***Cacalia plantaginea* (Raf.) Shinnery.** Prairie meadow (1923). Lower prairie (1925).

***Centaurea jacea* L.** West Side, along Hwy 53, opposite South Farms (1946). Along N boundary fence between Thorndale apartment building and pole barn (1970). Along Leask Lane near west gate, along roadside (1988). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

***Centaurea maculosa* Lam.** South side of Degnitz Dr. (1997).

- Centaurea nigra* L.** E111/area, southeast of P7 in an open area abundant with *Toxicodendron radicans* and some *Agrimonia* sp. (2006). U95/area, in very overgrown, moist "path." 7.5 m NE of plot, along edge of "path." (2006). V95/area. Edge of grassy lane, near marsh (2006).
- Chrysanthemum leucanthemum* L.** Forest Rd (1941). East Side, remnant prairie (1969). Open meadow area just W of Magnolia Collection (1970). East Side, L-99 area along N side of Forest Rd; unmowed area (1990). Under powerlines N of U of I Pharmacognosy Field Station in wet, rich ground (1993). West Side (1999). West Side, Parking 18; prairie off Simonds Rd (2000). East Side, the berm (2000). W of Bur Reed Marsh, S of Main Trail Loop 2, grassy area, slightly uphill (2007).
- Cichorium intybus* L.** Nursery Beds (1969). Spruce Collection near columns (1969). West Side, FF-42 area by Parking 17; open, grassy area (1990). Hidden Lake Forest Preserve: on trail E to backwoods area; open areas (1997). Along road, AY-112 area (1998). East Side, the berm (2000). SE corner of Arboretum along service road directly N of Puffer Marsh, at woodland edge (2007).
- Cirsium altissimum* (L.) Hill.** The Morton Arboretum (1923). Clearing above *Cephalanthus* bog (1924). East Side, Remnant Prairie (1969). Along Forest Nature Trail where remnant prairie meets woods (1970).
- Cirsium arvense* (L.) Scop.** Meadow Road (1946). Lawn of *Tilia* collection (1969). Along service road on southern boundary of the arboretum (1969). East Side, inner loop by path, Q-80 area, open field near path (1998). East Side, the berm (2000). Arbor Lake (2000). R79/area, NE of Crowley Marsh, in open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).
- Cirsium discolor* (Muhl. ex Willd.) Spreng.** Prairie - meadow (1923). Along border of woods - Meadow Rd (1946).
- Cirsium hillii* (Canby) Fern.** The Morton Arboretum (1923). Along New Forest Rd (1936). Along Meadow Rd (1941). East Side, in portion of old remnant prairie, not far from map station #3 (1970).
- Cirsium vulgare* (Savi) Ten.** In beds of shrub group (1969). East Side, the berm (2000). East Side, Japanese Island (2000).
- Conyza canadensis* (L.) Cronq.** Cultivated grounds (geographical groups) (1925). In propagating beds (1969). North of the Main Route road and west of Big Rock. Along gravel road between a woodland edge and an open area; growing on the open area side at the base of a small slope (2006). T84/area, weedy opening in woodland (2006).
- Coreopsis lanceolata* L.** Schulenberg Prairie (2000).
- Coreopsis palmata* Nutt.** Prairie (beyond ditch), along fence (1925). East Side, the berm (2000). Schulenberg Prairie (2000).
- Coreopsis tripteris* L.** Schulenberg Prairie parking lot & savannah (2000).
- Crepis tectorum* L.** South Farm (1991). East Side. In disturbed open ground along W side of "To Exit" road, just N of intersection with Main Trail Loop 2 (2008).
- Dyssodia papposa* (Vent.) A.S. Hitchc.** Hidden Lake Forest Preserve: waste ground (1993).
- Echinacea pallida* (Nutt.) Nutt.** Upper Prairie (1925). Schulenberg Prairie (2000).
- Echinacea purpurea* (L.) Moench.** Schulenberg Prairie (2000). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007).

- Erechtites hieraciifolia* (L.) Raf. ex DC.** The Morton Arboretum (1923). Clearing above *Cephalanthus* bog (1924). Along gravel road near woodland edge (2006). North of the Main Route road and west of Big Rock Visitor Station. Near gravel road and an open wooded area (2006).
- Erigeron annuus* (L.) Pers.** Roadside (1923). Acid slope opposite *Caprifoliacea* (1924). Open field near Ash Collection (1936). In beds of shrub group (1969). East Woods (1991). East Side, the berm (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006). Savanna NW of Big Rock Visitor Station, on SW-facing slope near Main Route (2007).
- Erigeron philadelphicus* L.** Corner of staff parking near greenhouse (1970). East Side, L-99 area along N side of Forest Road; unmowed area (1990). West Side (1999). East Woods, Parking 7 (2000).
- Erigeron strigosus* Muhl. ex Willd.** The Morton Arboretum (1924). Open field near Ash Collection (1936).
- Eupatorium altissimum* L.** Hidden Lake Forest Preserve: along marsh area between DuPage River and artificial lake (1996).
- Eupatorium maculatum* L.** Above ravine (1924). Q-16 area (1998). East Side, Bur Reed Marsh, off Oakwood Loop (2000).
- Eupatorium perfoliatum* L.** Along Main Route in open area (2006).
- Eupatorium purpureum* L.** The Morton Arboretum (1923). Along Forest Road near the Meadow (1936). Shady woods along Meadow Road (1940). Hidden Lake Forest Preserve: open disturbed field near fence row; open area (1996). U95/area, NE area of Bur Reed Marsh along shrubby edge (2006).
- Eupatorium rugosum* Houtt.** Clearing above *Cephalanthus* bog (1924). Woodland border along Meadow Road (1936). Along Forest Road (Dumeling land) (1936). Old leaf collecting area near Aspen area (1960). East Woods (2000). G109/area, woodland (2006). North of the Main Route road and west of Big Rock Visitor Station. Along a gravel road, growing near woodland edge (2006). T77/area, woodland, on east-facing slope (2006).
- Eupatorium serotinum* Michx.** Woods near oak group (1925).
- Euthamia graminifolia* (L.) Nutt.** Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area, in field (1996).
- Euthamia graminifolia* (L.) Nutt. var. *nuttallii* (Greene) W. Stone.** Low ground near *Arborvitae* collection (1940).
- Galinsoga parviflora* Cav.** Weed in propagating beds, near greenhouse (1970).
- Galinsoga quadriradiata* Cav.** Along Joy Path (1969). East Side, H-108 area near *Quercus* collection and Parking 7, N side of Forest Road beside foot trail; moist woods (1990). East Side, Appalachian collection, S edge of Ridge Road on W end of collection; roadside weed (1990). East Side, near parking 15 (2000).
- Gnaphalium obtusifolium* L.** Prairie, beyond ditch (1925).
- Grindelia squarrosa* (Pursh) Dunal.** N shore of Meadow Lake (1985).
- Helenium autumnale* L.** Prairie (1924). The Meadow (1936). Arboretum Prairie Restoration (1980). Small colony along an open, grassy path just N of Bur Reed Marsh (2007).

- Helianthus annuus* L.** Shrubby field along service road parallel to berm, under power lines on N side of road (2007).
- Helianthus decapetalus* L.** Cephalanthus bog (1925). Woods (1925). The Morton Arboretum (1925). By Schulenberg Prairie (1997). G109/area, woodland (2006). G109/area, woodland (2006).
- Helianthus grosseserratus* Martens.** Prairie (1924). The Meadow (1936). The Meadow (1936). The Meadow, along the north border (1936). Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, in disturbed area (1996). SE corner of grounds, NE of Puffer Marsh, in open field under power lines, not far from the gravel service road (2006).
- Helianthus hirsutus* Raf.** Crataegus meadow (1923). The Morton Arboretum (1924). Upper end of ravine path (1925). Near Walnut Plot (1925). First thicket (1925). W side of Meadow Rd, N intersection with Forest Rd (1936). Along Meadow Rd, border of woods (1946). East Side, meadow region, open (1998). M-76 area (1998).
- Helianthus occidentalis* Riddell.** Prairie (beyond ditch) (1925).
- Helianthus pauciflorus* Nutt.** Prairie (beyond ditch) near fence (1925). Roadside near first gravel pit, Cactus group (1925).
- Helianthus petiolaris* Nutt.** Growing out of gravel walk at back of Schulenberg residence (1970).
- Helianthus strumosus* L.** Along Forest Road (1936). East woods (2000). U95/area, NE area of Bur Reed Marsh along shrubby edge (2006). F107/area, woodland (2006).
- Helianthus tuberosus* L.** West Side, Thornhill Drive along creek, II-40 area (1999).
- Heliopsis helianthoides* (L.) Sweet.** The Meadow (1936). Prairie remnant in NE corner of Arboretum (1936). Near Schulenberg Prairie, M-08 area (1998). East Side, Meadow region, open (1998). Schulenberg Prairie (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Hieracium caespitosum* Dumort.** L-99 area along N side of Forest Road in unmowed area (1990). West Side, meadow near Cornus collection; open field (1995). West Side, edge of field (1999). East Side, Parking 7, prairie (2000). W of Bur Reed Marsh, S of Main Trail Loop 2, in an open, grassy area along woodland edge (2007).
- Hieracium canadense* Michx. var. *fasciculatum* (Pursh) Fern.** Along New Forest Road (1936). Forest Road, E of intersection of Path 24 (1940).
- Hieracium scabrum* Michx.** Woods opposite Crataegus meadow (1925).
- Hypochaeris radicata* L.** West Side. Just east of DuPage River in Godshalk Meadow; area mowed frequently (2008).
- Krigia biflora* (Walt.) Blake.** The Morton Arboretum (1923). Southwest Meadow (1936).
- Lactuca biennis* (Moench) Fern.** The Morton Arboretum (1924). N of Willoway Creek in NE corner of Section 3, in weedy flood plain of creek (1973). North of the Main Route road and west of Big Rock Visitor Station. Along a gravel road, growing near woodland edge (2006).
- Lactuca canadensis* L.** The Morton Arboretum (1923). Prairie (1924). Roadside (1925). MM97/area, open woods on a NE-facing slope, near a gravel road (2006).
- Lactuca floridana* (L.) Gaertn.** The Morton Arboretum (1923). Along Meadow Rd (1946). Spruce Plot (2007).
- Lactuca saligna* L.** Weed E of west gatehouse (1985).

- Lactuca serriola* L.** East Side, along trail in field near Etter Marsh (1987). U96/area, in a wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground (2006). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).
- Liatris aspera* Michx.** Prairie (1924). The Meadow (1936). The Meadow (1940).
- Liatris pycnostachya* Michx.** Prairie meadow (1924). The prairie (south side) (1946).
- Liatris spicata* (L.) Willd.** Schulenberg Prairie (2000).
- Matricaria discoidea* DC.** Propagating beds (1970).
- Parthenium integrifolium* L.** Crataegus meadow (1923). The Meadow (1940). The Meadow (1946). Near Schulenberg Prairie, M-010 area (1998). Schulenberg Prairie (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Prenanthes alba* L.** Along New Forest Road (1936). K-123, in oak forest in area where many oaks are dying (1974). I117/area, south side of road, in woodland (2006). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).
- Prenanthes aspera* Michx.** Prairie (1924). Prairie (1946).
- Prenanthes crepidinea* Michx.** East Side, along Forest Nature Trail at opening into remnant prairie (1970).
- Ratibida columnifera* (Nutt.) Woot. & Standl.** East Side, the berm (2000).
- Ratibida pinnata* (Vent.) Barnh.** The Meadow (1936). Near Schulenburg Prairie, M-012 area; in a clump (1998). East Side, the berm (2002). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Rudbeckia hirta* L.** East Woods (1936). Woodland west of Mey Spruce Plot (1936). Along Forest Road (1936). Along Meadow Road (1941). East Side, Remnant Prairie (1969). Schulenberg Prairie (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea*. Clone near W edge of wetland, near woodland margin (2006). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Rudbeckia laciniata* L.** Japanese Island (2000).
- Rudbeckia triloba* L.** East Side, old house site near old dump (1965).
- Senecio aureus* L.** Along inlet to Lake Marmo (1936). Along streams flowing into Lake Marmo (1936).
- Senecio glabellus* Poir.** West Side of the arboretum, in low moist ground east of Parking 19 and south of Europe Collection (2008). East Woods, growing out of the gravel at the edge of Parking lot #15. A second, taller individual was observed about 400 feet southwest, near grid point Y-84, and growing well into the maple woodland.
- Senecio pauperculus* Michx.** The Morton Arboretum (1923). Prairie (1927). Open areas between Oakwood Drive and Forest Road return (1947).
- Senecio vulgaris* L.** Weed in propagating beds (1961). Weed in beds near greenhouse area staff parking (1970). Off E side of IL 53, at staff entrance; in fertile soil (1979).
- Silphium integrifolium* Michx. var. *deamii* Perry.** The Meadow (1940).
- Silphium integrifolium* Michx. var. *neglectum* Settle & T.R. Fisher.** Prairie (1924). The Meadow (1936). The Meadow (1946). Far E side of Arboretum, E of power lines, in field just S of Lacey Creek and pond (2007).

***Silphium laciniatum* L.** Schulenberg Prairie (2000). Schulenberg Prairie (2000).

Silphium perfoliatum* L. var. *perfoliatum . Along Willoway Creek, Prairie Restoration Project (1971). West Side, N-010 area beside bridge to prairie; unmowed area beside stream (1990). West Side, Catalpa Collection, X-11 area; open meadow, full sun (1997). W of Lake Marmo, T-9 area; low area (1998). In full sun right by road leading to Schulenburg Prairie, at edge of grassy area; I-6 area (1998). R-15 area (1998). Lake Marmo (2000).

***Silphium terebinthinaceum* Jacq.** The Meadow (1936). The Meadow (1936). East Side, Remnant Prairie (1969). I-5 area (1998). Schulenberg Prairie (2000). Far E side of Arboretum, E of service road in shrubby field under power lines (2007).

***Solidago altissima* L.** Crataegus meadow, moist place (1925). Along dry brook between Cornus & Amelanchier groups (1936). Prairie Restoration Project (1969). Hidden Lake Forest Preserve: along marsh area between DuPage River and artificial lake; unmowed area near edge of wet meadow (1996). G-8 area (1998).

***Solidago altissima* L. var. *gilvocanescens* (Rydb.) Semple.** The Morton Arboretum (1925). W side Meadow Rd, S of Meadow (1936). Woodland border W of Meadow along Meadow Rd (1936). Bordering Meadow Rd near Meadow (1940). Along roadside to Arboretum farmhouse (1979). West Side, Witch Hazel Collection (2000). North of the Main Route road and west of Big Rock Visitor Station. Near gravel road and an open wooded area (2006). Near R79/area, along trail (2006).

***Solidago flexicaulis* L.** The Morton Arboretum (1923). Along Meadow Rd near west intersection of Forest Rd (1940). East Woods (1980). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006). NE of Appalachia Collection in woodland ravine. On S-facing slope along dry creek bed (2007).

***Solidago gigantea* Ait.** The Morton Arboretum (1923). Moist places in Prairie (1925). Ditch through Prairie meadows (1925). Bank of old river bed near Japanese group (1925). The Meadow, north border (1936).

***Solidago juncea* Ait.** Slope of Juniper hill near road (1924). Dry Prairie (beyond ditch) near fence (1925). Schulenberg Prairie (2000). Schulenberg Prairie (2000). Hidden Lake FP, East Side. Large grassy/mossy opening in woodland, in rocky/sandy soil (2007).

***Solidago nemoralis* Ait.** Prairie (1925). Prairie (1925).

***Solidago riddellii* Frank ex Riddell.** Prairie (1924). Moist prairie (1924).

***Solidago rigida* L.** Prairie (1925). Dry Prairie (1925). The Meadow (1936). The Meadow (1940). Schulenberg Prairie (2000).

***Solidago ulmifolia* Muhl. ex Willd.** The Morton Arboretum (1923). Crataegus meadow (1923). Clearing (1925). Woodland border along new Forest Road (1936). Forest Road, E of Quercus group (1940). Old leaf collecting area near Aspen Collection (1960). G109/area, woodland (2006). F107/area, woodland (2006).

***Sonchus arvensis* L. var. *glabrescens* Guenth., Grab. & Wimmer.** In lawn of Tilia collection (1969). Along Simonds Road (1969). East Side, the berm (2000). North of the Main Route road and west of Big Rock. Along gravel road between a woodland edge and an open area; growing on the woodland edge side (2006). SE corner of grounds, NE of Puffer Marsh, along woodland edge near field, a few feet west of power lines (2006). R83/area, in weedy path in woodland (2006).

***Sonchus asper* (L.) Hill.** In Prairie Restoration Project (1969). East Side, waste ground of soil bank along south service drive, parallel to E-W Tollway (1970).

***Tanacetum vulgare* L.** Foot of Juniper hill (1925).

***Taraxacum officinale* G.H. Weber ex Wiggers.** Beds between greenhouses (1970). West Side, H-04 area along path to prairie (1990). West Side, in back of the Outpost, NN-31 area around mulches beds and lawn area (1999). East Side, Parking 7, prairie (2000). South end of P7 at the base of a woodchip pile. A few scattered individuals growing in the woodchips (2007).

***Tragopogon dubius* Scop.** Parking lot near Rhamnus Collection (1961).

***Tragopogon pratensis* L.** Meadow slope behind ravine (1924). Along roadside near Meadow (1936). Weed along Valley Road, just W of Parking 2 (1970). East Side, L-99/ area along N side of Forest Road; unmowed area (1990). East Side, Parking 7, prairie (2000). Grassy field SW of Bur Reed Marsh (2007). S of P7, in shrubby field N of the power lines (2007).

***Verbesina alternifolia* (L.) Britton ex Kearney.** Damp woods along Meadow Road W of prairie (1940). Open woodland W of Rock garden (1946). Damp area of woods near Old Meadow (1980). West Side, disturbed field at edge of woods in more mesic area; unmowed area (1996). Thornhill Drive along creek, II-40/Area (1999). Japanese Island (2000). SE corner of Arboretum; plot C-136. Woodland (2007).

***Vernonia fasciculata* Michx.** The Morton Arboretum (1923). The Morton Arboretum (1924). The Meadow (1936). The Meadow (1936).

***Xanthium strumarium* L. var. *canadense* (Mill.) Torr. & A. Gray.** Weed on Island (1924).

BALSAMINACEAE

***Impatiens capensis* Meerb.** Along stream near Crataegus group (1946). East Woods (1991). Crowley Pond area, M-77 area; edge of deciduous forest (1997). W side of grounds along Thornhill Dr., KK-36/Area, scattered throughout (1999). Parking 8, along Oakwood Loop (2000). U96/area, in a wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground (2006).

***Impatiens pallida* Nutt.** Along Forest Road (1940). Near E branch of DuPage River; edge of woodlands (1981). East Side, maple forest area, CC-109 area by N side of Forest Road (1990). East Side, by first turnoff return, K-78 area, Forest Rd; disturbed woods and roadside (1997). East Woods (2000). The Morton Arboretum (1993). V76/area, NE-facing slope near a somewhat open area of woodland leading down to a trail (2006).

BERBERIDACEAE

***Berberis thunbergii* DC.** East Woods near Parking 11 (1987). E of old Fraxinus collection, just N of bridge on Main Trail Loop 4. Sugar maple dominated woodland (2007).

***Caulophyllum thalictroides* (L.) Michx.** The Morton Arboretum (1923). East Side, mesic forest (1972). East Woods, Parking 7 (2000). F107/area, woodland (2006). Just E of Parking 7, S of Main Route, along Main Trail Loop 4. In woodland; canopy open (2007). In woodland on a SE-facing slope, groundcover sparse (mostly fallen leaves). A single individual observed (2007).

***Podophyllum peltatum* L.** The Morton Arboretum (1923). The Morton Arboretum (1923). Along Thornhill Nature Trail (1946). East Side, Old Viburnum Collection (1970). East Woods (1987). West

Side, L-99 area along N side of Forest Road, in an unmowed area (1990). Pine Hill (1993). Hidden Lake Forest Preserve: maple-oak woods (1995). Along Thornhill Dr, II-38 area, in colony along creek (1999). Parking 7, East Woods (2000). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland. Large colony 5 - 20 ft from creek (2007).

BETULACEAE

***Alnus glutinosa* (L.) Gaertn.** Along East Branch of DuPage River (1935). Along East Branch of DuPage River (1935). Naturalized along the east branch of the DuPage River (1970). East Side, bank of DuPage River (1997).

***Betula populifolia* Marsh.** Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Morton Arboretum (1993).

***Carpinus caroliniana* Walt. ssp. *virginiana* (Marsh.) Furlow.** The Morton Arboretum (1924).

***Corylus americana* Walt.** Meadow (1924). Lacey Land (1935). East Woods, near Forest Road between Oak Collection parking and Over-Look Morton Arboretum (1970).

***Ostrya virginiana* (Mill.) K. Koch.** Lake Marmo (1924). High Road (1935). Woods along Forest Road, just N of Ash Collection (1969). East Woods (1977). North of the Main Route road and west of Big Rock Visitor Station. Along a gravel road, growing near woodland edge (2006). SE corner of Arboretum, along service road N of Puffer Marsh, edge of woodland (2007).

BIGNONIACEAE

***Campsis radicans* (L.) Seem. ex Bureau.** West Side, in crabapple test area S of cemetery; EE-27 area in open field and growing on stump of dead tree (1990). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).

***Catalpa speciosa* (Warder) Warder ex Engelm.** Not far from the northern merge of Main Trail Loops 1 and 2. In woodland along trail in moist soil (2007).

BORAGINACEAE

***Cynoglossum officinale* L.** The Morton Arboretum (1923). W of Hemlock Hill (1936).

***Hackelia virginiana* (L.) I.M. Johnston.** The Morton Arboretum (1923). The Morton Arboretum (1923). The Morton Arboretum (1924). East Woods (2000).

***Lappula squarrosa* (Retz.) Dumort.** Gravel pit, Cactus group (1925). Gravel pit, Cactus group (1925).

***Lithospermum canescens* (Michx.) Lehm.** The Morton Arboretum (1923). Meadow (1936). The Meadow (1939). Field E of Parking 10 (1941).

***Lithospermum latifolium* Michx.** The Morton Arboretum (1923). West Side, near restored prairie, J-03 (1987).

***Mertensia virginica* (L.) Pers. ex Link.** East Woods (1987). Daffodil Glade, in woods and slightly open areas (1997).

***Myosotis scorpioides* L.** In ditch along Joy Path (1969).

***Symphytum officinale* L.** Near E border of Arboretum, E of service road and power lines, N of Lacy Creek. Small colony along mowed path through shrubby field (2007).

BRASSICACEAE

- Alliaria petiolata* (Bieb.) Cavara & Grande.** West Side, along entrance to Parking 12 (1970). Beside Forest Road (1971). J-107 area in SW portion of East Woods; just off the road (1990). J-107 area in SW portion of East Woods; just off the road (1990). Hidden Lake Forest Preserve: wet area in shade of woods (1997). The Morton Arboretum (1998). Parking 7, East Woods (2000). NE of Appalachia Collection in woodland ravine. On S-facing slope along dry creek bed (2007).
- Armoracia rusticana* P.G. Gaertn., B. Mey. & Scherb.** On bank of Willoway Creek, Prairie Restoration Area (1970).
- Barbarea vulgaris* R. Br.** Swamp S of Viburnum Group (1941). West Side, H-04 area along path to prairie (1990). By old Malus collection, roadside in grass (1997). GG-31 area (1998). East Side, Near Parking 12, by prairie (2000). Grassy field SW of Bur Reed Marsh (2007).
- Boechera canadensis* (L.) Al-Shehbaz.** Woods opposite Crataegus meadow (1923).
- Brassica nigra* (L.) W.D.J. Koch.** Hidden Lake Forest Preserve (1985).
- Capsella bursa-pastoris* (L.) Medik.** Weed in Dogwood Collection (1961). Weed in beds between greenhouses (1970). Weed in Lonicera section of Shrub Collection (1970). East Side (2000).
- Cardamine bulbosa* (Schreb. ex Muhl.) Britton, Sterns & Poggenburg.** The Morton Arboretum (1923). Little creek in Crataegus meadow (1924). Swamp south of Viburnum group (1941). Low moist area near new Thuja group (1946). N edge of Bur Reed Marsh (1972). SE area of grounds, across the road from P12. Large population in low, wet area of woodland, behind "One Way" sign (2007). Grassy field SW of Bur Reed Marsh (2007).
- Cardamine concatenata* (Michx.) O. Schwarz.** The Morton Arboretum (1923). Cedar Point (1936). Trail 1 F (1941). East Woods near Over-look (1970). Along path 42 through native woods between Simonds Rd & Round Meadow Ln (1970). Hidden Lake Forest Preserve: maple-oak woods (1995). Edge of woods, near creek overflow (1997). N of Parking 7, between Main Route and East Woods Return, E side of N-S creek bed. In woodland; canopy open. About 20 feet from road, near a leafy trail, on a slight slope leading toward the creek bed (2007).
- Cardamine douglassii* Britton.** East Woods; low, moist roadside (1946). Near Meadow Road just N of Forest Road; in mesic forest (1972).
- Cardamine hirsuta* L.** U-59 area (1988). Cupressaceae Collection, grid location A-50/95-50. Large weedy colony growing under and around a small *Juniperus chinensis* 'Pfitzeriana Kallay' (most of the plants were growing at the shrub's north and west sides) in lightly wood-chipped soil (2009).
- Cardamine pennsylvanica* Muhl. ex Willd.** The Morton Arboretum (1923).
- Chorispora tenella* (Pallas) DC.** West of Arboretum's new waste-water treatment plant; in disturbed, unmowed turf (1974).
- Draba verna* L.** Immediately E of greenhouses, on dry edge of foundation grade in trampled turf (1976).
- Erysimum cheiranthoides* L.** Prairie-meadow (1923). Woods along path between oak groups and Rhamnus groups (1925).
- Erysimum repandum* L.** Hedge collection (1984).
- Hesperis matronalis* L.** Park Blvd and end of Thornhill Trail (1961). West Side, J-03 area in savanna region near prairie; near the road (1990). West Side, Parking 23, near Sterling Pond (2000). Hidden Lake FP, East Side. Open area in woodland, along trail (2007).

- Lepidium campestre* (L.) Ait. f.** Weed along paths (1925). Weed along path through Malus group (1925). Weed in Cornus Collection (1961). Hidden Lake Forest Preserve (1997). Parking 7, prairie (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Lepidium densiflorum* Schrad.** The Morton Arboretum (1923). Wasteland, roadside near Japan (1924). In lawn near Tilia collection (1969).
- Lepidium draba* L.** Near Joy Path S of Thornhill Building (1961).
- Lunaria annua* L.** Weed in partly shaded ground, N of Thornhill Conference center (1985).
- Nasturtium officinale* R. Br.** Near spring (Ozark Nursery) (1924).
- Rapistrum rugosum* (L.) All.** Weed in Diversity Collection near Cactus Pit, P-57 area (1991). In fertile disturbed ground around the dry prairie restoration area at E end of Meadow Lake (1992).
- Rapistrum rugosum* All. var. *venosum* (Pers.) DC.** Weed in Diversity Collection near Cactus Pit, P-57 area (1991).
- Rorippa palustris* (L.) Bess. ssp. *fernaldiana* (Butters & Abbe) Jonsell.** Pool II (1923). Weed in geographical groups, Tamarack Swamp (1925). Along New Forest Road (1936). About AA-80 at road junction, in wet grassy area (1972). Service Area Road (2000). SE corner of Arboretum, N edge of Puffer Marsh (moist soil but no standing water at this time). Marsh dominated by *Phragmites australis* and *Typha* (2007).
- Rorippa sylvestris* (L.) Bess.** Along roadside near Balkan Collection (1961). Along edge of pond near Chinese Collection (1969).
- Sinapis arvensis* L.** Prairie Restoration Project (1969). Parking 25, along roadside (2000). East Side, in newly planted grass area, of Main Route East, FF-IOI area (2001).
- Sisymbrium altissimum* L.** Waste places (1925). Weed in lawn at Arbordale (1961). Beside Oakwood Loop near Bulrush Pond, in recently graded ground (1972).
- Sisymbrium officinale* (L.) Scop.** Roadside (1923). Waste ground of soil banks along service road which parallels E-W Tollway (1970).
- Thlaspi arvense* L.** West Side, weed at base of tree along path 33 (1971). West Side, near Fisher Field, NN-18 area, on mound of moist compost (1999).
- Turritis glabra* L.** Prairie meadow (1923). The Morton Arboretum (1925). Along Meadow Rd N of Parking 28 (1961).

CAMPANULACEAE

- Campanula americana* L.** Along Valley Road (1936). Along Forest Road, East Woods (1940). East Side, FF-96 area; edge and just within woods (1997). West Side, Parking 23 (2000). Along East Woods Return. In low, slightly open area of woodland not far from creek bed and culvert (2007).
- Campanula aparinoides* Pursh.** Moist prairie meadow, along fence (1925). Moist place on prairie along fence (1925).
- Campanula rapunculoides* L.** West Side, Temporary Parking, by Parking 17 and 18 (2000).
- Lobelia cardinalis* L.** Along Main Route in open area (2006).
- Lobelia inflata* L.** Above ravine (1924). East Side, weed in Old Viburnum Collection (1969).
- Lobelia siphilitica* L.** The Morton Arboretum (1923). Above ravine (1924). Forest Road between intersection of Meadow Road (1940). Along moist inlet to river near *Crataegus* group (1946). NE of

Big Rock Visitor Station, in middle of dry creek bed in woodland (2006). SE of Appalachia Collection, along Main Route on S side of road (2007).

***Lobelia spicata* Lam.** Above ravine (1924). Swampy place on Prairie meadow (1924). Remnant Prairie, E of Meadow Rd (1970).

***Lobelia spicata* Lam. var. *hirtella* A. Gray.** Forest Road (1923). Along Forest Rd (1941).

***Triodanis perfoliata* (L.) Nieuwl.** The Morton Arboretum (1923). The Morton Arboretum (1923).

CAPRIFOLIACEAE

***Lonicera* × *bella* Zabel [L. *morrowii* × L. *tatarica*].** East Woods (1987). East Side, U-121 area, N side of Forest Road in moist woods (1990). S of Main Route at entrance to P7 (2007).

***Lonicera maackii* (Rupr.) Herder.** Near Sterling Pond (1969). Hidden Lake Forest Preserve: disturbed site of old foundations within wooded areas (1996). J-107 area (1998). East Woods, Parking 7 (2000). SE corner of grounds, NE of Puffer Marsh, E of power lines, in mowed area on east side of gravel road (2006). EE128/area, NE of Big Rock Visitor Station, in wooded area with thickets (2006). EE128/area, NE of Big Rock Visitor Station, in wooded area with thickets (2006).

***Lonicera* × *muscaviensis* Rehd. [L. *morrowii* × L. *ruprechtiana*].** East Woods (1987). East Woods (1987). East Woods (1987).

***Lonicera* × *notha* Zabel [L. *ruprechtiana* × L. *tatarica*].** East Woods (1987). East Woods near Parking II (1987).

***Lonicera prolifera* (Kirchn.) Booth ex Rehd.** Along S bank of stream running into Lake Marmo (1935). Along S bank of stream running into Lake Marmo (1935). Along path at base of Hemlock Hill (1936). Woods SW of Godshalk house (1972). East Woods, Parking 7 (2000).

***Lonicera tatarica* L.** East Woods (1987). Arbor Lake, west side by Arbordale (2000).

***Lonicera* × *xylosteoides* Tausch [L. *tatarica* × L. *xylosteum*].** East Woods (1987). East Side, end of berm (2000). East Side. SE area of grounds, along gravel service road leading south from P12, through woodland (2007).

***Sambucus canadensis* L.** The Morton Arboretum (1923). Maplewood near Prairie meadow (1925). In opening S of Picnic Grounds (1935). Taxodium Swamp (1936). By E edge of Lake Marmo, by W edge of Simonds Rd detour in S-19 area (1990). Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area; by river, edge of fence row (1996). Hidden Lake Forest Preserve: in waste field floodplain, tallgrass (1997). Q-79 area; open areas (1998). Lake Marmo (2000).

***Triosteum aurantiacum* Bickn. var. *illinoense* (Wieg.) Palmer & Steyermark.** The Morton Arboretum (1923). Hidden Lake Forest Preserve (1978). Northwest of I117/area, before road, woodland (2006). SE area of grounds, W of gravel service road leading south from P12, near where road splits to the east. Two small populations in low, moist, open area of woodland (2007).

***Triosteum perfoliatum* L.** Crataegus meadow (1925). East Side, E end of the remnant prairie (1970). Along path in East Woods (1987). I117/area, south side of road, in woodland (2006).

***Viburnum dentatum* L. var. *lucidum* Ait.** Near the Slusser Land (1976). Near the Slusser Land (1976). East Side, L-75 area, N side of Crabapple Lake by intersection of Forest Rd and service road (1990). West Side, F-26 area, E side of Simonds Road in grassy area near Arbor Lake fence (1990). Hidden Lake Forest Preserve: disturbed site, hedgerow (1994). Hidden Lake Forest Preserve: disturbed

site, hedgerow (1994). West Side, Parking 23 (2000). East Side, EE126/area, NE of Big Rock Visitor Station. In wooded area with thickets (2006). NE of Big Rock, near power lines on W side of access road. In a sparsely vegetated area at the woodland edge, not far from some magnificent *Quercus alba* (2007). Hidden Lake FP, East Side. In woodland near a trail (2007).

***Viburnum lantana* L.** East Side, N-92 area on W side of Forest Road; in open area by road (1990). Side of trail at edge of deciduous woods (1993). Arbor Lake, by Arbordale (2000). A few feet S of Big Rock, on E side of trail (2007).

***Viburnum lentago* L.** At intersection of Oakwood Drive and Ridge Road (1935). Woodland just NE of Bur Reed Marsh. Plot U-95 (2007).

***Viburnum molle* Michx.** Along Main Trail Loop 2 near the bridge at Bur Reed Marsh (2007).

***Viburnum opulus* L.** East Woods, Parking 7 (2000). NE of Big Rock, near power lines on W side of access road. In a sparsely vegetated area at the woodland edge, not far from some magnificent *Quercus alba* (2007). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007). E of Bur Reed Marsh in slightly open woodland (2007).

***Viburnum opulus* L. var. *opulus* .** In open woodland along Main Trail Loop 1, before Loops 1 & 2 merge. One plant at base of *Quercus alba* (2007). T77/area, woodland, on east-facing slope (2007).

***Viburnum prunifolium* L.** At intersection of Oakwood Drive and Ridge Road (1935). At intersection of Oakwood Drive and Ridge Road (1935). Along stream feeding Lake Marmo (1936). Just E of plot BB-92. Open woodland, sparse groundcover (2007).

***Viburnum rafinesquianum* Schult.** T77/area, woodland, on east-facing slope (2006).

CARYOPHYLLACEAE

***Arenaria lateriflora* L.** Crataegus meadow (1923). Along Oakwood Drive (1947). Grassy ground at Viburnum Collection (1961). Old Viburnum Collection (1970).

***Arenaria serpyllifolia* L.** North shore of Arbor Lake (1985).

***Cerastium fontanum* Baumg. ssp. *vulgare* (Hartman) Greuter & Burdet.** The Morton Arboretum (1923). Parking 18 (1961). In meadow area just S of Frost Hill (1970). L-99/area along north side of Forest Road. In an unmowed area (1990). East Side, Parking 7, prairie (2000). SE area of grounds, in an open area near P12, near gravel service road leading south from P12 (2007). Along worn-out path S of the Larch Collection and N of Main Trail Loop 2, in woodland (2007).

***Cerastium nutans* Raf.** The Morton Arboretum (1923). Marsh in Shrub Collection, in recently tilled wet ground (1971).

***Dianthus armeria* L.** On Prairie Restoration Project, Slusser land (1970). East Side (2006). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Dianthus deltooides* L.** West Side, grid S-09/area. Growing along the gravel trail about 75 feet west of the [Schulenberg] Prairie Visitor Station (N side of trail) (2009).

***Paronychia canadensis* (L.) Wood.** The Morton Arboretum (1923). Woodland N of Parking 29 (1961). N of Ribes Collection (1969). Under large sugar maple along trail, East Woods (1970).

***Sagina procumbens* L.** Between paving bricks to entrance of Research Building near Library (2004).

***Silene antirrhina* L.** The Morton Arboretum (1923).

***Silene latifolia* Poir. ssp. *alba* (Mill.) Greuter & Burdet.** Along river, Ligustrum group (1936). Along Meadow Road (1941). West Side, J-03 area in savanna region near prairie; near road (1990). Pine Hill (1993). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Silene noctiflora* L.** W of Mey Spruce Plot (1936).

***Silene stellata* (L.) Ait. f.** The Morton Arboretum (1924). Maple wood near Prairie meadow (1925). East side of the Meadow (1936). Light woods just S of Thornhill grounds, near Joy Path gate (1946).

***Silene virginica* L.** The Morton Arboretum (1923). East Woods (1936). East woods near the Meadow (1941). W-117 area, S side of Forest Road in open wooded area (1990). East Side, past Edge Wood Dr. (2000). Savanna NW of Big Rock Visitor Station, on SW-facing slope near Main Route (2007).

***Stellaria graminea* L.** Grassy ground E of Drainage Group (1961). Lawn of Dwarf Shrub Collection (1965). Dwarf Collection (1969). Lawn in hedge collection (1972). Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Stellaria longifolia* Muhl. ex Willd.** Swampy place on prairie meadow (1924).

***Stellaria media* (L.) Vill.** Woods opposite Crataegus Meadow (1925). Weed W of Parking 5 near Thornhill Building (1961). East Side, L-99 area, along N side of Forest Road; in unmowed area (1990).

CELASTRACEAE

***Celastrus orbiculata* Thunb.** Along path in East Woods (1987). GG127/area, NE of Big Rock Visitor Station, in wooded area (2006). HH126/area, NE of Big Rock Visitor Station, in an open area of thickets surrounded by woodland (2006). Woodland opening (2007).

***Celastrus scandens* L.** Along west border of L. Jones land (1935). East Woods along Oakwood Drive (1947). SW of Big Rock near plot QQ-107, in field on slight E-facing slope (2007).

***Euonymus alata* (Thunb.) Sieb.** Along E side of East Woods Return, about 30 ft from road in woodland (2007).

***Euonymus atropurpurea* Jacq.** West Side, EE-42 area along edge of Parking 17 (1990). Plot EE-77. N of Main Trail Loop 2, E of China Collection, on a woodland slope (2007).

***Euonymus europaea* L.** Understory of deciduous woods (1993).

***Euonymus hamiltoniana* Wall.** In sugar maple-dominated woodland E of Appalachia, N of P16, on S-facing slope NW of where the ravine bridge used to be (2007). T77/area, woodland, on east-facing slope (2007).

***Euonymus obovata* Nutt.** Along Oakwood Drive (1937). Along Oakwood Drive (1937).

CERATOPHYLLACEAE

***Ceratophyllum demersum* L.** Near Japan Island (1924). Arbor Lake, ENE side of lake about 5 m from shore and 3 m deep; submerged (1982). Arbor Lake, west side by Arbordale (2000).

CHENOPODIACEAE

***Atriplex littoralis* L.** Wasteland near Japanese group (1924). Waste places (South Farm) (1925).

***Atriplex patula* L.** In pot in greenhouse (1971).

***Chenopodium album* L.** Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007). T84/area, weedy opening in woodland (2007).

***Chenopodium berlandieri* Moq. var. *boscianum* (Moq.) H.A. Wahl.** Crataegus meadow (1923).

***Chenopodium bonus-henricus* L.** Japanese Island (1925).

***Chenopodium murale* L.** Conifer groups - Sargents Glade; waste places (1925).

***Chenopodium simplex* (Torr.) Raf.** Meadow (1923). Waste places (1925). Waste places (1925).

***Cycloloma atriplicifolium* (Spreng.) Coult.** On a sandpile (1986).

***Salsola tragus* L.** Wasteland near Japanese Island (1924). Waste places (1925).

CLUSIACEAE

***Hypericum perforatum* L.** Along Meadow Road near east boundary (1946). East Side, Degnitz Drive, service road from south farm to main loop (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Hypericum punctatum* Lam.** Pool II (1924). Schulenberg Prairie parking lot (2000). Hidden Lake FP, East Side. Low, open area along trail in woodland (2007).

CONVOLVULACEAE

***Calystegia sepium* (L.) R. Br.** The Morton Arboretum (1923). Along Meadow Road near east boundary (1946). Schulenberg Prairie (2000). Near R79/area, along trail (2006). NE of Big Rock, near power lines on W side of access road. In a sparsely vegetated area at the woodland edge, not far from some magnificent *Quercus alba* (2007).

***Convolvulus arvensis* L.** Nursery Beds (1946). Dwarf Collection (1969). Degnitz Drive, service road from south farm to main loop (2000).

CORNACEAE

***Cornus alternifolia* L. f.** East Woods, Parking 7 (2000).

***Cornus racemosa* Lam.** In thickets (1923). Old Lacey Land (1935). Along High Road (1936). West Side, EE-42 area on SW edge of Parking 17 (1990). Burr Reed Marsh (1993). Hidden Lake Forest Preserve: fence row (1997). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007). Along East Woods Return near Darner Field. Frequent in low area along woodland edge, not far from culvert (2007).

***Cornus stolonifera* Michx.** Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Morton Arboretum (1993). Hidden Lake FP, East Side. Large opening in woodland, at base of a rocky SE-facing slope in sandy soil (2007).

CRASSULACEAE

***Penthorum sedoides* L.** Pool I (1923). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006).

CUCURBITACEAE

***Echinocystis lobata* (Michx.) Torr. & A. Gray.** The Meadow (1940).

CUSCUTACEAE

***Cuscuta gronovii* Willd. ex J.A. Schultes.** Forest Road, at W edge of Meadow (1940).

***Cuscuta polygonorum* Engelm.** Under IL 53 bridge over E branch of DuPage River (1973). West side of DuPage River near U-38 (1979).

DIPSACACEAE

***Dipsacus laciniatus* L.** UIC Pharmacognosy green house, SE corner of Arboretum; disturbed field, next to road (1998). Godshalk Meadow (2000). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Dipsacus sylvestris* Huds.** Yucca pit near Legume collection (1969). East Side, Cactus Pit (1970).

EUPHORBIACEAE

***Acalypha rhomboidea* Raf.** West Side, near spring (1924). Above ravine (1924). In beds along Joy Path (1969). North of the Main Route road and west of Big Rock Visitor Station. Near gravel road and an open wooded area (2006). R83/area, woodland (2006).

***Chamaesyce maculata* (L.) Small.** Waysides (1923). In propagating beds (1969).

***Chamaesyce nutans* (Lag.) Small.** Soil bank along south service drive, parallel to E-W Tollway (1970).

***Euphorbia corollata* L.** Forest Road near the Meadow (1936). Forest Road near the Meadow (1936). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

FABACEAE

***Amorpha canescens* Pursh.** Lower prairie (1925). Upper Prairie (1925). Prairie (1935). The Meadow (1936). The Meadow (1936). The Meadow (1936). Near Schulenberg Prairie at J-010 area (1998). Schulenberg Prairie (2000).

***Amorpha fruticosa* L.** Shrubby field along service road parallel to berm, under power lines on N side of road (2007).

***Amphicarpaea bracteata* (L.) Fern.** Above ravine (1924). Near U96/area along a wide, overgrown path cutting through the woodland. NE of Bur Reed Marsh on slightly higher ground. Growing on a goldenrod at the base of a white oak (2006).

***Amphicarpaea bracteata* (L.) Fern. var. *comosa* (L.) Fern.** Near pond along Joy Path (1969). Near pond along Joy Path (1969). West side of Arboretum near FF-44. Near Park Avenue entrance in deep shade under *Taxus* & *Picea* (1979). West of Lake Marmo (T-9/AREA). Roadside (1998). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006).

***Apios americana* Medik.** East Side, Remnant Prairie (1969).

***Baptisia alba* (L.) Vent. var. *macrophylla* (Larisey) Isely.** Behind woods opposite *Crataegus* meadow (1925). Near Schulenburg Prairie, J-010 area (1998). Schulenberg Prairie (2000). Schulenberg Prairie (2000). Schulenberg Prairie (2000).

***Baptisia bracteata* Muhl. ex Ell. var. *glabrescens* (Larisey) Isely.** Near Schulenburg Prairie, J-010 area (1998).

- Cassia hebecarpa* Fern.** E of Crabapple Lake, just E of service road to Tree Breeding Nursery, along woodland edge and mowed area (2007).
- Cercis canadensis* L.** Along service road to Puffer Pond in SE corner of Arboretum (1987). East Side, near Parking 7; along edge of woods next to parking lot (1993). SE corner of Arboretum along service road directly N of Puffer Marsh, at woodland edge (2007).
- Coronilla varia* L.** East Side, Hidden Lake area; in open field near road and about 400 yds E of Lacey Creek (1990). Hidden Lake Forest Preserve. Open areas (1998). Degnitz Drive, east side, service road from south farm to main loop (2000). North of the Main Route road and west of Big Rock Visitor Station. Along gravel road in open grassy area (2006).
- Dalea candida* Michx. ex Willd.** In unplanted prairie area formerly known as "the Eurasian Meadow" in Prairie Restoration (1987). Near Schulenberg Prairie at M-012 area (1998). Schulenberg Prairie (2000).
- Dalea purpurea* Vent.** In unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration (1987). Schulenberg Prairie (2000).
- Desmodium canadense* (L.) DC.** Prairie (beyond ditch), along fence (1925).
- Desmodium cuspidatum* (Muhl. ex Willd.) DC. ex Loud. var. *longifolium* (Torr. & A. Gray) Schub.** The Morton Arboretum (1923). Above ravine (1924). Above ravine (1924). Forest Rd near Mey Spruce Plot (1936). Along Forest Rd (1940).
- Desmodium glutinosum* (Muhl. ex Willd.) Wood.** Ravine Trail (1936). East of Big Rock Visitor Station, along Main Trail Loop 4 (2006). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007).
- Desmodium illinoense* A. Gray.** Schulenberg Prairie (2000). Schulenberg Prairie (2000).
- Gleditsia triacanthos* L.** East Woods (1987). Hidden Lake Forest Preserve. A few trees growing along a path lined with *Lonicera maackii* (2007).
- Gymnocladus dioica* (L.) K. Koch.** Just E of old Fraxinus collection on W side of Main Trail Loop 4, K-130/area. Sugar maple dominated woodland w/sparse groundcover (2007).
- Lathyrus latifolius* L.** Grassy area along Thornhill service road (1961).
- Lathyrus palustris* L.** Prairie (1924).
- Lathyrus venosus* Muhl. ex Willd.** Woodland border SW of meadow (1936).
- Lespedeza capitata* Michx.** Prairie (1924).
- Lespedeza violacea* (L.) Pers.** Above ravine (1924). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2006).
- Lotus corniculatus* L.** Hidden Lake Forest Preserve: scattered in open areas (1998). East Side, Crabapple Lake (2000). SE corner of Arboretum, along service road, in open, grassy area E of Puffer Marsh, under power lines in dry soil (2007).
- Medicago lupulina* L.** The Morton Arboretum (1925). Near Tilia collection (1969). Weed in soil pile along S service, parallel to E-W Tollway (1970). L-99 area along N side of Forest Road; unmowed area (1990). West Side, Parking 17, Hatch Meadow (2000). South end of P7 at the base of a woodchip pile. One spreading plant found growing in woodchips (2007). Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

***Medicago sativa* L.** Weed in Prairie Restoration Project (1970). In unplanted prairie area formerly known as "Eurasian Meadow" within the Schulenberg Prairie (1987). East Side, Big Rock Field (2000).

***Medicago* × *varia* Martyn [*M. sativa* × *M. falcata*].** The Morton Arboretum (1925).

***Melilotus alba* Medikus.** Slusser Prairie at W end of Arboretum (1971). Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River; disturbed area (1996). East Side, the berm (2000). U96/area, NE of Bur Reed Marsh on slightly higher ground. In small, moist, shallow gully in woodland (2006). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

***Melilotus officinalis* (L.) Lam.** Open field near Ash Collection (1936). West Side, H-04 area along path to prairie (1990). Hidden Lake Forest Preserve: W side of large lake; disturbed area, unmowed area (1997). OO-22 area (1998). Schulenberg Prairie (2000). East Side, Parking 7, prairie (2000). Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

***Ononis campestris* G. Koch & Ziz.** European Group (Scotch Pine-Birch section) (1946). Under planted pines in old European Forest W of IL 53, E of Simonds Road (1964).

***Psoralidium tenuiflorum* (Pursh) Rydb.** Prairie-meadow (1923). Prairie (1924). Upper Prairie (1925). Schulenberg Prairie (2000). Schulenberg Prairie (2000).

***Robinia pseudoacacia* L.** Hidden Lake Forest Preserve (1985). Hidden Lake Forest Preserve: W side of large lake, fence road on Butterfield Road side, disturbed area, unmowed area (1997). Hidden Lake Forest Preserve (1998). Hidden Lake Forest Preserve. Open woodland dominated by *Lonicera maackii*, *Rhamnus cathartica*, and *Robinia pseudoacacia*. Note: there is a concrete foundation and much human debris here (2007).

***Trifolium campestre* Schreb.** Along path NE of Yucca Pit (1961).

***Trifolium hybridum* L.** Geographical groups (1925). Meadow area of Street Tree Collection (1970). East Side, Parking 7, prairie (2000).

***Trifolium pratense* L.** Open field near Ash Collection (1936). L-99 area along N side of Forest Road; unmowed area (1990). West Side, back road to Fischer Field, OO-22 area; on top soil mound (1998). East Woods, Parking 7 (2000). U96/area, near wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground (2006).

***Trifolium repens* L.** Open meadow area of Street Tree Collection (1970). Open meadow area W of Magnolia Collection (1970). J-107 area in SW portion of East woods; just off the road (1990). Along East Woods Return near Darner Field (2007).

***Vicia americana* Muhl. ex Willd.** East Side, old Viburnum Collection (1970). West Side, N-010 area by bridge to prairie; unmowed area (1990). Schulenberg Prairie (2000).

***Vicia caroliniana* Walt.** The Morton Arboretum (1923). N end of Viburnum Collection (1946).

***Vicia villosa* Roth.** Field near Etter Marsh (1987).

FAGACEAE

***Quercus alba* L.** The Morton Arboretum (1923). W side of picnic ground road (1935). The Morton Arboretum (1936). East Woods near cabin site (1936). Forest Rd (1936). East Woods (1937). W of Simonds Rd, NE corner of Pyrus Collection (1970). Oak Collection, on S side of Oakwood Loop

(1973). East Side, near Parking 7, near path leading away from parking lot (1993). West Side, near CC-21 area, across from parking lot (1997). West Side, near CC-21 area; savanna area on slope (1997). E of Bur Reed Marsh in slightly open woodland (2007).

***Quercus ellipsoidalis* E. J. Hill.** The Morton Arboretum (1923). The Morton Arboretum (1936). Along Forest Rd (1936). East Woods (1990). East Woods; edge of oak woods (1990). East Woods; oak woods (1990). East Woods; upland woods (1990). East Woods; edge of oak woodland (1991). East Woods; open field adjacent to oak woods (1991). East Woods; N of Crowley Pond, edge of woods (1991). East Woods; roadside adjacent to oak woodland (1991). East Woods; edge of oak woods (1992). East Woods; N of Crabapple Lake, edge of woods near Illinois Trees Trail Loop 2 (1992). East Woods; near Illinois tree trail loop 3; edge of road (1992). W side of Crabapple Lake, near Parking 4; edge of woods (1992). East woods at edge of oak woods (1992). East Woods; open field by Oakwood loop drive (1992). East Woods, near Illinois tree trail loop 3; edge of road, adjacent to oak woods (1993). East Woods, upland woods (1994). West Side of grounds, along road in Schulenberg Prairie, near creek (2000). P7, at edge of driveway (2005). P7, west edge of parking loop, south of Main Trail loop 3 (2005). Trail opposite side of road from P15, ca. 1/8-1/4 mile in (2005). Plot N-128. A few trees scattered along edge of woodland, their leaves facing the old Fraxinus collection (now an open grassland) (2007). Just NE of Bur Reed Marsh at edge of woodland (2007).

***Quercus × hawkinsii* Sudw. [*Q. rubra × velutina*].** East Woods (1935). Residence grounds (1936).

***Quercus macrocarpa* Michx.** Intersection of Forest Road and Oakwood Drive (1936). Sargents Glade (1936). Sargents Glade (1936). Sargents Glade (1936). Sargents Glade (1936). Along N side of Forest Rd, just E of Magnolia Collection (1973). Along roadside to Arboretum farmhouse (1979). East Woods just W of Puffer Pond access gate near SW quarter of D-130 (1983). Savanna woods (1997). E of Crabapple Lake, just E of service road to Tree Breeding Nursery, along woodland edge and mowed area (2007).

***Quercus × palaeolithicola* Trel. [*Q. velutina × ellipsoidalis*].** The Morton Arboretum (1923).

***Quercus palustris* Münchh.** U95/area, NE area of Bur Reed Marsh along shrubby edge (2006).

***Quercus rubra* L.** Residence grounds (1936). Residence grounds (1936). Sargents Glade (1936).

Sargents Glade (1936). L-71 area (1972). Daffodil Glade, CC-19 area near parking 20A (1997).

Fenceline of service road off Big Rock Interpretive Trail (2005). Fenceline of service road off Big Rock Interpretive Trail (2005). Hidden Lake FP, East Side. Along overgrown trail in woodland, near steep slope (2007).

***Quercus × schuettei* Trel.** Near plot Y-80, E of Parking 16 on N side of Main Route, along N edge of dried up marsh in moist soil (2007).

FUMARIACEAE

***Dicentra canadensis* (Goldie) Walp.** W of J.M. Spruce Plot (1936). Along Forest Road Return (1941). East Woods (1946).

***Dicentra cucullaria* (L.) Bernh.** Ravine (1923). Cedar Point (1936). Trail 1 F (1941). East Woods (1946). East Woods near Meadow Rd; in mesic forest (1972). East Woods Trail, N of Parking 7 in mixed woods; in colony on ravine slope, in moist soil (2002). N of Parking 7, between Main Route

and East Woods Return, W side of N-S creek bed. In woodland; canopy open. Near O-109/area, at base of *Quercus alba* on ravine slope (2007).

GENTIANACEAE

***Gentiana andrewsii* Griseb.** Prairie meadow (1924). The Meadow (1935).

***Gentiana* × *curtisii* J. Pringle.** Schulenberg Prairie, along Prairie Trail. A few individuals found in a small, scattered colony of *Gentiana puberulenta* and *G. flavida* (2008). Schulenberg Prairie, along Prairie Trail. A few individuals found in a small, scattered colony of *Gentiana puberulenta* and *G. flavida* (2008).

***Gentiana flavida* A. Gray.** Schulenberg Prairie. Small, scattered colony along Prairie Trail (2008).

***Gentiana puberulenta* J. Pringle.** Dry prairie (1925). West Side, Schulenberg Prairie. Small, scattered colony along Prairie Trail (2008).

***Gentianella quinquefolia* (L.) Small ssp. *occidentalis* (Gray) J. Gillett.** Schulenberg Prairie. Small colony along trail (2008).

GERANIACEAE

***Erodium cicutarium* (L.) L'Her. ex Ait.** Weed in Shrub Collection in Lacey Land, SE of Osage Orange hedge (1965). South Farms (1991).

***Geranium bicknellii* Britton.** The Morton Arboretum (1923). The Morton Arboretum (1923).

***Geranium carolinianum* L.** The Morton Arboretum (1923). Prairie Restoration Project (1970).

***Geranium maculatum* L.** The Morton Arboretum (1923). Ravine Trail (1936). The Meadow (1939). Near Rock Garden (1946). Along path leading W from Thornhill, just E of junction of Simonds Rd and Round Meadow Rd (1970). West Side, W of Round Meadow Rd; mesic woods, W of parking for insectory (#9) (1972). J-107 area in SW portion of East woods, just off the road (1990). Open meadow, savanna, in woods (1997). West Side, in woods, near Daffodil Glade; along trail in wooded edge and in open areas (1997). East Woods, Parking 7 (2000). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail and just S of E-W creek. Over crest of hill leading away from creek, on a S-facing slope in sandy soil; woodland (2007).

***Geranium robertianum* L.** Morton Arboretum picnic ground between Park Boulevard and IL 53, in weedy habitat (1966).

GROSSULARIACEAE

***Ribes americanum* Mill.** The Morton Arboretum (1923). Along south bank of east branch of DuPage River (1971).

***Ribes cynosbati* L.** East Woods (1987).

***Ribes missouriense* Nutt.** East Woods (1987). NE of Big Rock, near power lines on W side of access road. In a sparsely vegetated area at the woodland edge, not far from some magnificent *Quercus alba* (2007).

HIPPOCASTANACEAE

***Aesculus glabra* Willd.** R-56 area (1991). Deciduous woods (1993). E of Crabapple Lake, just E of service road to Tree Breeding Nursery, in slightly open woodland (2007).

HYDRANGEACEAE

***Philadelphus pubescens* Loisel.** Hidden Lake Forest Preserve: along edge of small ravine (1995). Hidden Lake FP, East Side. Along overgrown trail in woodland, near steep slope (2007).

HYDROPHYLLACEAE

***Ellisia nyctelea* (L.) L.** Sargent's Glade (1923). Amelanchier Group (1961). Between greenhouses (1970). East Side, SW collection, near parking 15 (2000). Along a worn-out path S of the Larch Collection near Main Trail Loop 2, in woodland (2007).

***Hydrophyllum appendiculatum* Michx.** The Morton Arboretum (1923). East Woods (1936). Moist woodland W of Meadow (1936). Nature Trail (1941). East Woods (1946). East Woods N of Overlook (1972). Plot Y-128 (2007). Small colony in woodland E of Appalachia, N of P16, and about 20' from Main Trail Loop 2 (2007).

***Hydrophyllum virginianum* L.** The Morton Arboretum (1923). The Morton Arboretum (1923). Sargents Glade (1936). Sargents Glade (1941). East Woods (1941). NE of Administration Bldg (1946). East Side, Old Meadow area (remnant prairie), E of Meadow Rd (1970). East Woods N of Overlook (1972). West Side, J-03 area in savanna region near prairie (1990). Thornhill Dr, E side of lawn, GG-42 area; near lawn area, slightly shaded (1998). East Woods, Parking 7 (2000). Along Main Trail Loop 2 near the bridge at Bur Reed Marsh. A couple small patches growing along trail (2007).

JUGLANDACEAE

***Carya cordiformis* (Wangenh.) K. Koch.** Juniper hill (1924). Foot of Juniper hill (1924). Forest Road near Hawthorn Meadow (1935). NE of Big Rock Visitor Station, NE portion of Woodland Trail, in woodland along trail (2007).

***Carya ovata* (Mill.) K. Koch.** Woods (1993). E of Bur Reed Marsh in slightly open woodland (2007).

***Juglans cinerea* L.** W edge of J. Mey Spruce Plot (1935). W edge of J. Mey Spruce Plot (1935). West Spruce Plot (1936).

***Juglans nigra* L.** Along Valley Road (1936). Sargent's Glade (1937). East Side, Remnant Prairie (1969). Extreme E edge near old prairie and edge of woods, U-136 area and Old Meadow Rd (1997). Hidden Lake Forest Preserve: near bridge in meadow next to Rubus thicket (1997). East Side, along East Woods Return near Darner Field; woodland edge near clearing (2007).

LAMIACEAE

***Agastache scrophulariifolia* (Willd.) Kuntze.** Bordering Meadow Road near The Meadow (1940). Along Meadow Road (1946). East Side, near old prairie remnant near S-137 (1980). East Side, inner loop, grassland (2000). In moderately shaded woods near I129/area, not far from the road (2006).

***Ajuga reptans* L.** Along ski trail in East Woods (1987). West Side, near SE corner of Meadow lake, in open field (1998).

***Galeopsis tetrahit* L. var. *bifida* (Boenn.) Lej. & Court.** Weed in Ericaceae Collection near Spring Road (1981).

- Glechoma hederacea* L.** Along Ground Cover Path (1949). Near Spruce plot (1969). East Side, meadow area of European Collection, near W fence bordering Route 53 (1970). Along river west of Arbordale (1961). East Side, L-99 area along N side of Forest Road; unmowed area (1990). East Side, near old sewage treatment plant, N-57, in lawn (1994). East Woods, Parking 7 (2000). SE area of grounds, in an open area near P12. Large population near gravel service road leading south from P12 (2007).
- Hedeoma pulegioides* (L.) Pers.** Roadside, E end of Arboretum (1924). Woods opposite Crataegus meadow (1925). T84/area, weedy opening in woodland (2006).
- Lamium amplexicaule* L.** Cornus Collection (1961). Dwarf Collection beds (1969).
- Lamium purpureum* L.** Taxodium Swamp (1946). East Side, weed in beds of Demonstration Area (1970).
- Leonurus cardiaca* L.** The Morton Arboretum (1923). W of Mey Spruce Plot (1936). Tilia collection (1969). T-19 area, off W side of detour road around Lake Marmo; beside lake (1990). Arbor Lake (2000). Along East Woods Return near Darner Field, low area along road in woodland (2007).
- Leonurus marrubiastrum* L.** Hidden Lake Forest Preserve: near Route 53 and the "old iron bridge" (1988). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines (2007).
- Lycopus americanus* Muhl. ex W. Bart.** Moist places (1924). Along Meadow Road (1946). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).
- Lycopus uniflorus* Michx.** Pool near (1924).
- Lycopus virginicus* L.** Along woodland path, H-2 area (1984).
- Marrubium vulgare* L.** In rich ground behind 4S-103 Lincoln Ave (1979).
- Mentha arvensis* L.** West Side, near spring (1924). Moist opening in woods near oak group (1925). Ditch through prairie (1925). Crabapple Lake (2000).
- Monarda fistulosa* L.** In unplanted prairie area formerly known as "the Eurasian Meadow" in Prairie Restoration (1987). Near Schulenberg Prairie, I-05 area (1998). Schulenberg Prairie (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).
- Nepeta cataria* L.** Open Woods (Pasture) (1923). W of Mey Spruce Plot (1936). Weed along service road on S border of Arboretum (1969). Meadow Lake (2000).
- Physostegia virginiana* (L.) Benth.** Prairie (1924). Schulenberg Prairie (2000).
- Physostegia virginiana* (L.) Benth. ssp. *praemorsa* (Shinners) Cantino.** The Meadow (1936).
- Prunella vulgaris* L. var. *lanceolata* (W. Bart.) Fern.** The Morton Arboretum (1923). Schumacher Forestry Plots (1946). In unplanted prairie area formerly known as 'the Eurasian Meadow' in Prairie Restoration (1987). Northern Illinois collection area on S side of Forest Road, J-59 area (1990). Crabapple Lake (2000). On north side of Main Route in grassy, open area near woodland (2006). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).
- Pycnanthemum virginianum* (L.) T. Dur. & B.D. Jackson ex B.L. Robins. & Fern.** Roadside, dry places (1923). Moist place near little creek, Prairie meadow (1924). The Meadow (1936).
- Salvia reflexa* Hornem.** Roadside (1923).

***Satureja vulgaris* (L.) Fritsch var. *neogaea* Fern.** Larix Collection at E end of Geo Groups, U of IL Pharm. Field Station (1962). SE corner of grounds, NE of Puffer Marsh, in open field under power lines, not far from the gravel service road (2006).

***Scutellaria epilobiifolia* A. Hamilton.** Hidden Lake Forest Preserve, YY-146/area (2006).

***Scutellaria lateriflora* L.** Pool near (1924). West Side, near spring (1924). U96/area, in a wide, overgrown path cutting through woodland. NE of Bur Reed Marsh on slightly higher ground. Growing along path (2006). P95/area, west edge of Spikerush Marsh (no standing water at this time) in moist ground along a wooded edge (2006). South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

***Scutellaria parvula* Michx. var. *leonardii* (Epling) Fern.** The Morton Arboretum (1923). Grassy ground near Oak Collection parking lot (1961).

***Stachys palustris* L. (s. s.).** Schulenberg Prairie (2000).

***Stachys pilosa* Nutt. var. *pilosa* .** Pool II (1923). Along river north of Tilia group (1936). Forest Road (1936).

***Teucrium canadense* L.** East Woods (1991).

***Teucrium canadense* L. var. *occidentale* (A. Gray) McClintock & Epling.** The Morton Arboretum (1923). The Morton Arboretum (1923). Prairie swamp (1924). N edge of Etter Marsh, close to woodland (2007).

***Teucrium canadense* L. var. *virginicum* (L.) Eat.** The Morton Arboretum (1924). Along Valley Road (1936). Along Meadow Road (1946).

LEITNERIACEAE

***Leitneria floridana* Chapman.** South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

LENTIBULARIACEAE

***Utricularia macrorhiza* Le Conte.** Pond I (1924). Morton Arboretum, East Side, near Research Building in Firefly Pond (2010).

LIMNANTHACEAE

***Floerkea proserpinacoides* Willd.** The Morton Arboretum (1923). East Woods Trail, N of Parking 7, mixed woods; growing in a colony on ravine slope, in moist soil (2002). Just E of Parking 7, S of Main Route. In woodland; canopy open. Large colony along bank of N-S creek bed, near the culvert (2007). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

LYTHRACEAE

***Lythrum alatum* Pursh.** The Morton Arboretum (1923). Bank of little creek, Prairie meadow (1924).

***Lythrum salicaria* L.** Wet meadow area on N side of Forest Road (1969). Low wet area on N side of Forest Rd (Crowley Pond) (1970). East Side, L-78 area, N side of Forest Road just before Ridge Road turnoff; open field of tall weeds (1990). In large clump near powerlines (1998). Crowley

Pond, east side, across from Crabapple Lake (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).

MAGNOLIACEAE

Liriodendron tulipifera L. Along W side of East Woods Return, near woodland (2007).

MALVACEAE

Abutilon theophrasti Medik. Along public road (1923). Nursery beds (1969). The berm (2000).

Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

Hibiscus trionum L. Along the border of fields (1923). Along south service drive parallel to E-W Tollway (1970). Along south service drive parallel to E-W Tollway (1970). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

Malva neglecta Wallr. Waysides (1923). South Farm, waste places (1925). Near *Colutea* group (1941).

Napaea dioica L. Schulenberg Prairie (2000).

Sida spinosa L. Western edge, as a weed (1967).

MENISPERMACEAE

Menispermum canadense L. Along Crabapple Trail (1935). Along Crabapple Trail (1935). S of Lake Road at rustic bridge over stream running into Lake Marmo (1935). Thicket bordering the Meadow (1941). Along Forest Rd (1960). Along Illinois Tree Trail (1969). East Side, near Parking 32 (1970). East Side, near Parking 32 (1970). Hidden Lake Forest Preserve. Plot WW146, woodland (2006). Along W side of East Woods Return, near woodland (2007). SE corner of East Woods, along Main Route just NE of P12. At woodland edge near the grassy area (2007).

MONOTROPACEAE

Monotropa uniflora L. Dense woods (1924). The Morton Arboretum, East Woods, not far from plot N-113 on a slight N-facing slope, in leaf litter (2009).

MORACEAE

Maclura pomifera (Raf.) Schneid. Far E side of the Arboretum, NE of Puffer Marsh, about 250 ft W of N-S service road. A few large trees growing along an old, grown-over fence line. In open woodland with a very thick understory of honeysuckle (2007).

Morus alba L. East bank of DuPage River, near Tilia Collection (1971). East bank of DuPage River, near Tilia Collection (1971). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Far east side of Arboretum, near service road along Lacy Creek (2007). Hidden Lake Forest Preserve. Open woodland dominated by *Lonicera maackii*, *Rhamnus cathartica*, and *Robinia pseudoacacia*. Note: there is a concrete foundation and much human debris here (2007).

NYCTAGINACEAE

***Mirabilis nyctaginea* (Michx.) MacM.** The Morton Arboretum (1925). In dense patches along river bank, Japanese Island (1936).

NYMPHAEACEAE

***Nymphaea odorata* Aiton ssp. *tuberosa* (Paine) Wiersma & Hellquist.** West Side, T-19 area, off W side of detour road around Lake Marmo, floating in lake (1990).

OLEACEAE

***Fraxinus americana* L.** Bordering S side of High Road along W edge of woods on boundary of Fraxinus Group (1935). The Morton Arboretum (1936). East Woods (1947). East Side, Fraxinus collection, S side of Forest Road, I-127 area; open, frequently mowed area (1990). Parking 7, East Woods (2000). Along East Woods Return near Darner Field; woodland edge near clearing (2007). E of Bur Reed Marsh in slightly open woodland (2007). Plot N-128. Edge of woodland near old Fraxinus collection (now an open grassland) (2007).

***Fraxinus pennsylvanica* Marsh.** Along service road near Tollway (1987). East Side, Fraxinus collection, N side of Forest Road at N-124/35-70 in open, grassy area that is frequently mowed (1990).

***Fraxinus quadrangulata* Michx.** Highest point in Puffer Woods (1935). High road (1935). High road (1935). About L-75 (1977). E of Bur Reed Marsh in slightly open woodland (2007).

***Ligustrum vulgare* L.** West Side, Parking 24, past Spruce Hill (2000). Along East Woods Return near Darner Field. In low area near culvert (2007).

ONAGRACEAE

***Circaea lutetiana* L. ssp. *canadensis* (L.) Aschers. & Magnus.** The Morton Arboretum (1923). Woods near Parking 9 (1969). East Woods near Forest Rd (1970). East Side, disturbed oak-maple woods (1970). S side of Forest Rd westbound (1971). Pine Hill (1993). Parking 26, by Arbor Lake (2000). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007). Hidden Lake FP, East Side. Along overgrown trail in woodland, near steep slope (2007).

***Epilobium ciliatum* Raf.** U96/area, NE of Bur Reed Marsh on slightly higher ground. In small, moist, shallow gully in woodland (2006).

***Epilobium coloratum* Biehler.** Low ground in Prairie (1925). T84/area, weedy opening in woodland (2006).

***Epilobium parviflorum* Schreb.** Bur-Reed Marsh, adjacent to boardwalk (Main Trail Loop 2) at N end of marsh (2002).

***Gaura biennis* L. var. *pitcheri* Torr. & A. Gray.** Prairie meadow (1923). Prairie (1924).

***Ludwigia polycarpa* Short & Peter.** Pool near (1924). Swampy place on upper entrance to Ravine path (1925).

***Oenothera biennis* L.** Gravel pit behind caucasus(?) - group (1925). Forest Road (1936). Along path in East Woods (1987). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Near side of road by powerlines (1998). Near Big Rock Visitor Station in open area along trail, by woodland (2006). R79/area, NE of Crowley Marsh, open wetland

(currently dry) dominated by *Phalaris arundinacea*. A single individual found beneath a *Rhamnus* sp. (2006). SW of Big Rock near plot QQ-107, in field on slight E-facing slope (2007).

***Oenothera pilosella* Raf.** The Morton Arboretum (1923). Woodland border at NW edge of Meadow (1941). Along Forest Road Return; Schumacher land, along edge of low, marshy area (1946). East Side, in "Old Meadow" (prairie) E of Meadow Rd (1970).

OXALIDACEAE

***Oxalis corniculata* L.** Weed in Greenhouse (1970). Weed in Greenhouse (1971).

***Oxalis stricta* L.** The Morton Arboretum (1923). In woods along Ravine - path (1925). Weed in group (1925). S of greenhouse (1969). Near Spruce plot (1969). In grassy area of Street Tree Collection (1970). H-04 area along path to the prairie (1990). East Side, Parking 7; prairie (2000). U96/area, NE of Bur Reed Marsh on slightly higher ground. In small, moist, shallow gully in woodland (2006). Not far from the northern merge of Main Trail Loops 1 and 2. In woodland along trail in moist soil (2007). W of Bur Reed Marsh, S of Main Trail Loop 2, grassy area, slightly uphill (2007).

***Oxalis violacea* L.** The Morton Arboretum (1923). Grassy ground in Viburnum Collection (1961).

PAPAVERACEAE

***Argemone intermedia* auct. non Sweet.** Field border (South Farm) (1924).

***Chelidonium majus* L.** West Side, near Stop 15 on Thornhill Trail, in woods (1972).

***Sanguinaria canadensis* L.** The Morton Arboretum (1923). Ravine Path (1936). Ravine Trail (1938). East Woods, near entrance to Willow Collection (1970). W of Round Meadow Rd W of parking lot for Insectary; mesic woods (1972). W of Round Meadow Rd W of parking lot for Insectary; mesic woods (1972). East Side, near Parking 10 in T-111 area; moist woods beside footpath (1990). East Woods, Parking 7 (2000). Just E of Parking 7, S of Main Route, along Main Trail Loop 4 in woodland (2007).

***Stylophorum diphyllum* (Michx.) Nutt.** Along ravine in East Woods near Parking 11 (1987).

PHYTOLACCACEAE

***Phytolacca americana* L.** In fence of propagating beds near staff parking lot (1969). Along fence row in propagating beds (1970). Along the gravel road which runs parallel to the border of Hidden Lake Forest Preserve, in moist soil of woodland edge (2006). T84/area, weedy opening in woodland (2006).

PLANTAGINACEAE

***Plantago lanceolata* L.** Along Forest Road (1936). Near Cedar Point (1969). West Side, H-04 area along path to prairie (1990). G-71 area, by Crabapple Lake (1998). East Side, Parking 7, prairie (2000). Near Thornhill (2000). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).

***Plantago major* L.** West Side, in gravel of Parking 13 (1970).

***Plantago rugelii* Dcne.** The Morton Arboretum (1923). West Side, in wood chips along trail 30, near Parking 9 (1970). West Side, E-16 area by S edge of Simmonds Road; in loose sand and gravel of roadside (1990). Hidden Lake FP, East Side. In woodland along a trail (2007).

PLATANACEAE

***Platanus occidentalis* L.** Far E side of Arboretum, along W side of service road and power lines. In an open area dominated by *Phalaris arundinacea* (2007).

POLEMONIACEAE

***Phlox divaricata* L.** Sargents Glade (1936). Along Forest Road (1939). Forest Rd, W edge of Dumlign Woods; S side Rd (1941). Trail 1 F (1941). East Woods (1946). Forest Road E of Oak Collection (1946). Oakwood Loop, just N of junction with Forest Rd near Oak Collection (1970). Woods N of Round Meadow Rd (1972). West Side, H-04 area along path to the prairie (1990). Near Service Rd in Daffodil Glade wooded area, NN-22 area (1999). East Woods, Parking 7 (2000). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail and just S of E-W creek. Over crest of hill leading away from creek, on a S-facing slope in sandy soil; woodland (2007).

***Phlox glaberrima* L. ssp. *interior* (Wherry) Wherry.** The Morton Arboretum (1923). Along Meadow Rd opposite The Meadow (1946).

***Phlox pilosa* L. ssp. *fulgida* (Wherry) Wherry.** The Morton Arboretum (1923). The Meadow (1936). Near The Meadow (1936). The Meadow (1939). The Meadow (1939). Field E of Parking 10 (1941).

***Polemonium reptans* L.** The Morton Arboretum (1924). East Woods (1936). East Woods (1941). East Woods (1941). Ravine Trail (1936). Beside a road in East Woods (1972). Parking 7, East Woods (2000). Along Main Route in woodland (2007).

POLYGALACEAE

***Polygala senega* L.** The Morton Arboretum (1923). The Meadow (1936). The Meadow (1939).

POLYGONACEAE

***Polygonum achoreum* Blake.** In service drive along S border of Arboretum, parallel to E-W Tollway (1970). Fischer property (1991). Behind Thornhill, in ruderal and bare ground with a high nitrogen content (2002).

***Polygonum amphibium* L. var. *stipulaceum* Coleman.** East Side, Crowley Pond, across from Crabapple Lake (2000). East Side, NE side of Japanese slough; wet area, bottomland of DuPage River (2001).

***Polygonum arenastrum* Jord. ex Boreau.** Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River, disturbed area, on road around lake, open area (1996).

***Polygonum aviculare* L.** Weed along path through *Pyrus* group (1925). Hidden Lake Forest Preserve: in path SE from parking (1996). Behind Thornhill, in ruderal and bare ground with a high nitrogen content (2002).

***Polygonum lapathifolium* L.** Wasteland, roadside near Japanese Island (1924).

***Polygonum pensylvanicum* L.** Roadside (1923). East Side, Crowley Pond, across from Crabapple Lake (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris*

arundinacea (2006). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Polygonum pensylvanicum* L. var. *laevigatum* Fern.** R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).

***Polygonum persicaria* L.** Tilia Collection (1969). Prairie Restoration Project (1970). East Side, FF-67 area, a lawn weed in Eastern U.S. Wetlands collection area on N side of Forest Road (1990). West Side, disturbed field or edge of woods in more mesic area; in unmowed area; in disturbed sites, in shade and some in the open (1996). R83/area, woodland (2006). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Polygonum punctatum* Ell.** Hidden Lake Forest Preserve: first level of flood plain on E side of DuPage River; disturbed area (1996). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Polygonum scandens* L.** Woods (upper entrance to Ravine - path) (1925). Along Crabapple Trail (1935). Along the gravel road which runs parallel to the border of Hidden Lake Forest Preserve, in moist soil of woodland edge. Growing on *Phytolacca americana* (JS176) (2006).

***Polygonum virginianum* L.** Mixed woods, moist (1923). Thicket near Type X (1923). Along Meadow Trail - The Meadow (1936). Along Meadow Road (1946). West Side, Parking 23 (2000). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007).

***Rumex acetosella* L.** The Morton Arboretum (1923). Along Forest Rd (1936).

***Rumex altissimus* Wood.** Roadside between south farm and Lisle Depot (1925).

***Rumex crispus* L.** Crataegus meadow; moist (1923). Hidden Lake Forest Preserve: near parking lot, in a disturbed area (1997). S of European collection, mostly open areas; W-34 area (1998). East Side, Parking 7, prairie (2000). Frost Hill (2000). Along East Woods Return near Darner Field. In low area near culvert (2007). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

***Rumex obtusifolius* L.** European Collection (1970).

***Rumex patientia* L.** Hidden Lake Forest Preserve (1981). East Side. Disturbed, weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

PORTULACACEAE

***Claytonia virginica* L.** The Morton Arboretum (1923). Sargent Glade (1936). Sargent Glade (1937). East Side, grassy area of Willow Collection (1972). East Woods N of Meadow Road, in mesic forest (1972). Daffodil Glade, grass savanna (1997). Along Main Route in woodland (2007).

***Portulaca oleracea* L.** Nurseries (1924). In beds of shrub group (1969). Prairie Restoration Project (1969). In propagation beds S of greenhouses (1971). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

PRIMULACEAE

***Anagallis arvensis* L.** In dry soil under step to back entrance of greenhouse (1970).

***Androsace occidentalis* Pursh.** In peony beds near greenhouses (1987).

***Dodecatheon meadia* L.** The Morton Arboretum (1923). The Meadow (1936). The Meadow (1936).

The Meadow (1939). East Woods (1941). East Side, grassy area at old Viburnum Collection (1972).

***Lysimachia ciliata* L.** The Morton Arboretum (1923). Along East Woods Return in Darner Field; in low, grassy, open area near culvert (2007).

***Lysimachia lanceolata* Walt.** Thicket (Type III) (1924). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

***Lysimachia nummularia* L.** Along Joy Path (1984).

***Lysimachia quadriflora* Sims.** Prairie meadow (1924). Moist prairie (1924).

PYROLACEAE

***Pyrola elliptica* Nutt.** Mixed Spruce Plot N & W of path & center of plot (1952). S of P-12, just NE of Spruce Plot, in moist woodland along W side of trail (2007).

RANUNCULACEAE

***Actaea pachypoda* Ell.** The Morton Arboretum (1923). Maple wood near Prairie meadow (1925). East Woods (1935). East Woods (1935). Fern Collection (1941). East Side, mesic forest (1972). F107/area, woodland (2006). U95/area, in a very overgrown, moist "path." About 6 m E of plot, along edge of "path." (2006).

***Anemone canadensis* L.** The Morton Arboretum (1923). The Meadow (1936). Near Meadow, East Woods (1936). The Meadow (1939). Along Meadow Rd (1941). The Prairie (1946). Along Meadow Road at east end (1972). West Side, N-010 area beside bridge to prairie, in unmowed area beside stream (1990). Forest Edge Loop, east side, off of Forest Road (2000).

***Anemone cylindrica* A. Gray.** Schulenberg Prairie (2000).

Anemone quinquefolia* L. var. *quinquefolia . The Morton Arboretum (1923). The Morton Arboretum (1924). Sargent's Glade (1936). East Woods (1941). Near edge of woods in Old Viburnum Collection (1970). East Woods Trail, just E of P7 in mixed woods; in moist soil (2002).

***Anemone virginiana* L.** The Morton Arboretum (1923). Along Oakwood Loop (1969). East Side, U-121 area, edge of Forest Road (1990). Inner Loop (2000). Savanna NW of Big Rock Visitor Station, on SW-facing slope near Main Route (2007). East edge of Etter Marsh, not far from woodland. Marsh dominated by *Phragmites australis* and *Typha* (soil moist but no standing water at this time) (2007).

***Aquilegia canadensis* L.** Ridge Road (1936). East Woods (1936). Along N segment of Oakwood Loop (1972). East Side, Parking 13, along roadside (2000). East Side (2000). Along Main Route in woodland (2007).

***Caltha palustris* L.** Along stream, below Rock Garden (1936). Springy area S of Lake Marmo outlet (1970).

***Cimicifuga racemosa* (L.) Nutt.** Below Rock Garden, E side of stream (1947). Below Rock Garden, E side of stream (1947).

***Clematis integrifolia* L.** A single individual found in the open, grassy area just south of Parking 7; F-106/area (2007).

***Consolida regalis* S.F. Gray.** On recently deposited soil of landfill in old Arboretum dump (near site of former Crowley home) (1973).

- Hepatica acutiloba* DC.** Ravine Trail (1936). Ravine Trail (1938). East Woods (1938). East Woods (1938). Woods (1940). East Woods (1941). East Woods near Over-look (1970). West Side, in woods near Parking 9 (1973). West Side, in woods near Parking 9 (1973). East Side, H-108 area near Quercus collection and Parking 7, on N side of Forest Road beside foot trail; moist woods (1990). East Woods, Parking 7 (2000). BB121/area, in woodland NE of Big Rock Visitor Station, in dry creek bed near SE section of Woodland Trail (2006).
- Hydrastis canadensis* L.** East Woods, N side of E-W path S of large Walnut along road (1962). East Woods, N side of E-W path S of large Walnut along road (1962). S of west intersection of Forest Road & Meadow Road, N of trail 26 (1971). East Side, in woodland (2006). E of old Fraxinus collection, just N of bridge on Main Trail Loop 4. Small colony on W side of trail. Sugar maple dominated woodland (2007).
- Isopyrum biternatum* (Raf.) Torr. & A. Gray.** The Morton Arboretum (1923). East Woods (1941). East Side, mesic forest, just W of Meadow Rd turnoff from Forest Rd (1972). N of Parking 7, between Main Route and East Woods Return, E side of N-S creek bed. In woodland; canopy open. About 20 ft from road, near a leafy trail, on a slight slope leading toward the creek bed (2007).
- Ranunculus abortivus* L.** The Morton Arboretum (1923). Taxodium Swamp (1946). Near Oakwood Loop just N of junction with Forest Rd (1970). East Woods, Parking 7 (2000). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail and just S of E-W creek. Over crest of hill leading away from creek, on a S-facing slope in sandy soil; woodland (2007).
- Ranunculus acris* L.** Schulenberg Prairie (2000).
- Ranunculus aquatilis* L. var. *diffusus* Withering.** Arbor Lake (1986). Arbor Lake (1986). Hidden Lake Forest Preserve: edge of gravel lake in water to 6-7 dm deep (1997). Arbor Lake, west side by Arbordale (2000).
- Ranunculus flabellaris* Raf.** In small, shallow pond off of N branch of Oakwood Loop (1970).
- Ranunculus hispidus* Michx. var. *nitidus* (Chapman) T. Duncan.** The Morton Arboretum (1923). The Morton Arboretum (1923). East Woods (1941). East Woods; moist (1946). Open area along Oakwood Loop (1970). T-II area at W end of Lake Marmo; wet meadow (1972). Near SE corner of Meadow Lake; low wet wooded area (1998). East Woods Trail, just E of P7 in mixed woods; moist soil (2002). I117/area, south side of road, in woodland (2006). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).
- Ranunculus pensylvanicus* L. f.** Lilac group (1925).
- Thalictrum dasycarpum* Fisch. & Ave-Lall.** The Morton Arboretum (1923). Along Meadow Rd (1941). Remnant Prairie, E of Meadow Rd, growing under power lines (1970). Remnant Prairie, E of Meadow Rd, growing under power lines (1970). Far E side of Arboretum, E of power lines, in field just S of Lacey Creek and pond (2007).
- Thalictrum dioicum* L.** The Morton Arboretum (1923). Mixed woods (1924). Along main trail E of Mey Farm (1936). Along Nature Trail (1941).
- Thalictrum thalictroides* (L.) Eames & Boivin.** The Morton Arboretum (1923). The Morton Arboretum (1923). The Morton Arboretum (1923). Ravine Path (1936). Trail 1 F (1941). East Woods (1947). Spreading from edge of woods in Old Viburnum Collection (1970). J-107 area in SW portion of East woods, just off the road (1990). East Woods, Parking 7 (2000). N of Parking 7,

between Main Route and East Woods Return. In woodland; canopy open. Small colony along trail (Joined Loops 3 & 4) (2007). Along Main Route in woodland (2007).

RHAMNACEAE

***Ceanothus americanus* L.** The Morton Arboretum (1923). Above ravine in moist place under shrubby hawthorns and crabapples (1924). SE corner under Commonwealth Edison transmission lines E of Shrub Collection, N of old pump house (1963).

***Rhamnus cathartica* L.** The Morton Arboretum (1923). K-85 area (1972). I-138 area (1990). In thicket just W of Thornhill Parking (1992). In thicket just W of Thornhill Parking (1992). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve (1998). Near Parking 23A and Sterling Pond, R-6 area along edge of trail (1999). Parking 7, East Woods (2000). SE corner of grounds, NE of Puffer Marsh, E of power lines, in mowed area on east side of gravel road (2006).

***Rhamnus davurica* Pallas.** In thicket just W of Thornhill Parking (1992). In thicket just W of Thornhill Parking (1992). In thicket just W of Thornhill Parking (1992). In thicket just W of Thornhill Parking (1992). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Arbor Lake (2000). Along East Woods Return near Darner Field. In low area along woodland edge, SW corner of clearing, away from road (2007).

***Rhamnus davurica* Pallas × *R. cathartica* L.** In thicket just W of Thornhill Parking (1992).

***Rhamnus frangula* L.** On an island in Bur Reed Marsh (1970). East Side, Parking 8, along Oakwood Loop (2000). Along Main Trail Loop 2 near the bridge at Bur Reed Marsh (2007). Woodland opening (2007).

***Rhamnus japonica* Maxim.** Thicket just W of Thornhill Parking (1992). Thicket just W of Thornhill Parking (1992). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993).

***Rhamnus utilis* Dcne.** Along Illinois Trees Trail about P-73 (1973). Thicket just W of Thornhill Parking (1992). Thicket just W of Thornhill Parking (1992). Thicket just W of Thornhill Parking (1992). Thicket just W of Thornhill Parking (1992). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993).

ROSACEAE

- Agrimonia gryposepala* Wallr.** The Morton Arboretum (1923). Clearing opposite Cephalanthus bog (1925). Schumacher Forestry Plots (1946). East Woods (2000). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).
- Agrimonia pubescens* Wallr.** The Morton Arboretum (1923). The Morton Arboretum (1923). F107/area, woodland (2006). Hidden Lake FP, East Side. In woodland along a trail (2007).
- Agrimonia rostellata* Wallr.** The Morton Arboretum (1923).
- Amelanchier sanguinea* (Pursh) DC.** E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).
- Crataegus crus-galli* L.** In flower bed near Thornhill (1987). Hidden Lake Forest Preserve. Along path in woodland (2007).
- Crataegus holmesiana* Ashe.** W end of Lake Marmo (1946). E end of Lake Marmo (1946). E end of Lake Marmo (1946). Lake Road, W of Spruce Hill (1946). Along N side of Forest Road W of Forestry plots, W of map station 2 (1965).
- Crataegus mollis* Scheele.** E end of Lake Marmo (1946). E side of Simonds Rd opposite upper end of Malus group (1946). East Side, along old fencerow S of Forest Rd (1979). East Side, along old fencerow S of Forest Rd (1979). East Side, along old fencerow S of Forest Rd (1979). East Side, along old fencerow S of Forest Rd (1979). The Morton Arboretum (1998). West Side, EE-44 near 8614, area by creek bed that goes into sunfish pond (1999). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).
- Crataegus monogyna* Jacq.** East Side, prairie remnant along Forest Edge Loop (1987).
- Crataegus phaenopyrum* (L. f.) Medik.** West Side, BB-44/00-27 (1999).
- Crataegus pruinosa* (Wendl.) K. Koch.** N end Viburnum collection (1946). Roadside bordering Forest Road E of spruce plot overlook (1965).
- Crataegus punctata* Jacq.** East Side, along old fencerow S of Forest Road (1979). East Side, along old fencerow S of Forest Road (1979).
- Crataegus succulenta* Schrad. ex Link.** Lacey Thicket (1935). Lacey Thicket (1935). East Woods along Forest Road (1946). East Woods along Forest Road (1946). NE corner of intersection of trails 30 and 41 (1947). NE corner of intersection of trails 30 and 41 (1947). East Side, along old fencerow S of Forest Rd (1979). East Side, along old fencerow S of Forest Rd (1979).
- Duchesnea indica* (Andr.) Focke.** Near NE side of greenhouse and peony border (1973). Along path E of water lily pool; in Arboretum grassy areas (1983). East Side, beneath pines in Pinetum on Frost Hill; D-53 area (1990).
- Filipendula ulmaria* (L.) Maxim.** East Side, L-78 area, N side of Forest Rd just before Ridge Rd turn-off; in open field of tall weeds (1990). Crowley Pond (1991). Crowley's Pond, in open wet marsh area (1994). Crowley's pond area, M-77 area (1997). Wet area at times, Crowley Pond area (1998). East Side, Inner Loop (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by Phalaris arundinacea (2006). Along East Woods Return near Darner Field. In low area near culvert (2007).
- Fragaria virginiana* Duchesne.** Woods opposite Crataegus meadow (1924). Entrance to Ravine path (1924). Pool I (1924). Pool I (1924). East Woods (1946). Along roadside, N branch of Oakwood Loop (1970). East Side, L-99 area along N side of Forest Rd; unmowed area (1990). East Side,

- Parking 7; prairie (2000). NE of Crowley Marsh, about 5' west of road in an open area near the sign for "East Side Main Trail Loop 2". A few scattered individuals in dry soil (2007). Hidden Lake Forest Preserve. Plot YY-122. Open area dominated by *Lonicera maackii* and *Rhamnus cathartica* (2007).
- Geum canadense* Jacq.** The Morton Arboretum (1923). Degraded area at W edge of East Woods, just N of Forest Rd (1970). Big Rock Trail (1993). East Woods (2000). Big Rock Field (2000). V76/area, NE-facing slope near a somewhat open area of woodland leading down to a trail (2006). F107/area, woodland (2006). Along East Woods Return near Darner Field (2007).
- Geum laciniatum* Murr. var. *trichocarpum* Fern.** The Morton Arboretum (1923). Schumacher Forestry Plots (1946).
- Geum vernum* (Raf.) Torr. & A. Gray.** Moist, partly shaded ground near Sunfish Pond (1985). Along a worn-out path S of the Larch Collection near Main Trail Loop 2, in woodland (2007).
- Malus baccata* (L.) Borkh.** Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Morton Arboretum (1993).
- Malus coronaria* (L.) Mill.** East Woods (1946).
- Malus ioensis* (Wood) Britton.** On road to sand barren of Prairie Restoration Project, Slusser land (1971).
- Malus prunifolia* (Willd.) Borkh.** Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Morton Arboretum (1993).
- Malus sieboldii* (Regel) Rehd.** East border of Arboretum, just E of power lines; growing along fence (2007).
- Physocarpus opulifolius* (L.) Maxim.** Along service road to Puffer Pond in SE corner of Arboretum (1987). West Side, near Parking 26; in F-23 area in open, grassy area near the bridge over the DuPage River (1990).
- Potentilla arguta* Pursh.** Prairie (1924). Prairie (1926). The Meadow (1946).
- Potentilla norvegica* L.** Sandy slope near group (1923). Prairie meadow (1924). Marsh lowland on N side of Forest Road, E of Magnolia Collection (1970). Prairie Restoration Area (1970). Arbor Lake (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea* (2006).
- Potentilla recta* L.** Along Meadow Road (1941). In nursery beds (1969). By western edge of Crabapple Lake, J-73 area in grassy roadside area (1990). West Side, Parking 17, hatch meadow (2000). South end of P7 at the base of a woodchip pile. Two individuals growing in woodchips (2007).
- Potentilla simplex* Michx.** The Morton Arboretum (1923). Sargent's Glade (1936). Sargent's Glade (1936). The Meadow (1939). Along Oakwood Drive (1947). East Side, L-99 area along N side of Forest Rd; unmowed area (1990). East Woods, Parking 7 (2000). NE of Crowley Marsh, about 5' west of road in an open area near the sign for "East Side Main Trail Loop 2. A few scattered individuals in dry soil (2007). Along a worn-out path S of the Larch Collection near Main Trail Loop 2, in woodland (2007). E of P7, S of Main Trail Loop 4, near E-111, in a shrubby field. A few scattered individuals (2007).
- Prunus americana* Marsh.** Appalachian collection; in fairly open area of collection (1990). Near west sewage pond (1993). Hidden Lake Forest Preserve: waste field underneath powerlines (1997).

Hidden Lake Forest Preserve: fence row (1997). SW of Big Rock near plot QQ-107, in field on slight E-facing slope (2007).

***Prunus serotina* Ehrh.** Along Forest Road in thicket (1935). Thicket, Forest Road (1935). Lake Marmo, E end (1946). Near Parking 34 along N branch of Oakwood Loop (1973). Hidden Lake Forest Preserve: backwoods area along trail, edge of woods (1997). Hidden Lake Forest Preserve: fence row (1997). Alongside service road near dense woods (1998). Hidden Lake Forest Preserve. Open woodland dominated by *Lonicera maackii*, *Rhamnus cathartica*, and *Robinia pseudoacacia*. Note: there is a concrete foundation and much human debris here (2007).

***Prunus subhirtella* Miq.** Hidden Lake Forest Preserve: oak woodland (2001).

***Prunus virginiana* L.** Forest Road (1935). Gulch Trail (1936). SE area of grounds, along gravel service road leading south from P12, through woodland (2007). Hidden Lake FP, East Side. In woodland along a trail (2007). Plot DD-90. Woodland, groundcover sparse (2007).

***Pyrus betulaefolia* Bunge.** Hidden Lake Forest Preserve: in shrubby, old field adjacent to Morton Arboretum (1995).

***Pyrus calleryana* Dcne.** Hidden Lake Forest Preserve: in gravelly waste ground E of Eagle Lake, along N border of Morton Arboretum (1993). Hidden Lake Forest Preserve. Edge of woodland in an area dominated by *Rhamnus cathartica* and *Lonicera maackii* (2007).

***Rosa arkansana* Porter var. *suffulta* (Greene) Cockerell.** Prairie (1923). The Morton Arboretum (1923).

***Rosa blanda* Ait.** First thicket (1923). Prairie (1923). East Woods, border of Meadow (1936). East Woods, Parking 7 (2000).

***Rosa carolina* L.** East Side, prairie remnant along Forest Edge Loop (1987).

***Rosa eglanteria* L.** E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).

***Rosa multiflora* Thunb. ex Murr.** Restoration prairie (1969). J-107 area in SW portion of East Woods, not far off the trail (1990). East Side, Forest Edge Loop, off Forest Rd (2000). E of P7, S of Main Trail Loop 4, near E-111, in a shrubby field (2007).

***Rosa setigera* Michx.** Arbor Lake, by Arbordale (2000).

***Rosa setigera* Michx. var. *tomentosa* Torr. & A. Gray.** Remnant Prairie (1969). N side of Forest Road, near Forestry Plots (1970).

***Rubus allegheniensis* Porter.** The Morton Arboretum (1923). East Woods, along Forest Rd (1946). East Woods (1946). East Woods (1946). Along Oakwood Drive (1947). East Woods, Parking 7 (2000). SE area of grounds, along gravel service road leading south from P12, in relatively open area near where road splits. Near woodland (2007).

***Rubus occidentalis* L.** Bordering Valley Road (1936). East Woods (1946). Q-97/9-9 1/2 (1972). Hidden Lake Forest Preserve: disturbed edge of woods near trail (1997). East Side, the berm (2000). Arbor Lake (2000). Hidden Lake FP, East Side. In woodland along a trail (2007).

***Spiraea alba* Du Roi.** S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

***Spiraea douglasii* Hooker** S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

RUBIACEAE

***Cephalanthus occidentalis* L.** Along Valley Road (1969).

***Galium aparine* L.** The Morton Arboretum (1923). Sargent's Glade (1936). Along path leading W from Thornhill, just E of junction of Simonds Rd & Round Meadow Ln (1970). West Side, J-03 area in savanna region near prairie (1990). Extreme E edge near old prairie and edge of maple-oak woods, U-136 area and 01d Meadow Rd, edge of maple-oak woods (1997). Parking 7, east woods (2000). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. In low, wet area along E-W creek, in woodland (2007).

***Galium boreale* L.** The Morton Arboretum (1923). Schulenberg Prairie (2000).

***Galium circaezans* Michx. var. *hypomalacum* Fern.** The Morton Arboretum (1923). East Side, near Puffer Rd (1970). East of P7, about 20 ft north of where East Woods Return begins, in woodland (2007).

***Galium concinnum* Torr. & A. Gray.** The Morton Arboretum (1923). The Morton Arboretum (1924). Along High Rd (1936). Along Nature Trail (1941). Along Oakwood Drive (1946). East Side, beside Parking 10 in R-109 area; beside gravel path (1990). E of old *Fraxinus* collection, just N of bridge on Main Trail Loop 4. A few scattered, matted colonies on W side of trail. Sugar maple dominated woodland (2007).

***Galium mollugo* L.** S of P7, in shrubby field N of the power lines (2007). S of P7, N of berm and power lines in shrubby field, not far from woodland (2007).

***Galium obtusum* Bigelow.** East Side, along Etter Marsh (1987).

***Galium triflorum* Michx.** Old leaf collecting area near Aspen Collection (1960). NE of Etter Marsh, S of Loop 4, in woodland (2006). R79/area, NE of Crowley Marsh in open wetland (currently dry) dominated by *Phalaris arundinacea*. Single individual near *Carex* sp (2006). T77/area, woodland, on east-facing slope (2006).

***Houstonia caerulea* L.** Foot of Hemlock Hill (1925).

RUTACEAE

***Phellodendron amurense* Rupr.** W-63 area, along a small creek (1987). In savanna restoration near Schulenberg Prairie (1992).

***Ptelea trifoliata* L. ssp. *trifoliata* var. *trifoliata*.** Between Tilia and Elm Collections (1969). N edge of Etter Marsh, close to woodland (2007).

***Zanthoxylum americanum* Mill.** Along S side of Valley Road (1935). On Valley Road (1936).

SALICACEAE

***Populus* × *canescens* (Ait.) Sm. (pro sp.) [*P. alba* × *P. tremula*].** Along service road to Puffer Pond in SE corner of Arboretum (1987). SE corner of Arboretum along service road directly N of Puffer Marsh, at woodland edge (2007).

***Populus deltoides* Bartr. ex Marsh.** Along stream NW of Lake Marmo (1935). Director's Lawn (1939). NW of Big Rock Visitor Station along Heritage Trail, in woodland (2007).

***Populus grandidentata* Michx.** East Woods (1935). Lacey Woods (1936). Lacey Thicket (1937). Along fence that forms northern border of Fischer Research Field (1994). Edge of woodland along Main Trail Loop 2, E of P16 on N side of Main Route. A few large trees scattered along trail, not far

from culvert (2007). Edge of woodland along Main Trail Loop 2, E of P16 on N side of Main Route. Abundant in a colony along trail, not far from culvert (2007).

***Populus tremuloides* Michx.** East Woods (1935). Lacey cut-over land (1936).

***Salix amygdaloides* Anderss.** Hidden Lake Forest Preserve (1978).

***Salix* × *conifera* Wangenh. (pro sp.) [*S. discolor* × *S. humilis*].** Along stream E of prairie (1935).

***Salix fragilis* L.** Far E side of Arboretum, along W side of service road and power lines. Groundcover sparse (2007).

***Salix interior* Rowlee.** Behind Philadelphus group (1924). Far eastern part of Arboretum in *Salix* collection; in middle of field under high tension wires (1983). Hidden Lake Forest Preserve: scattered in and around marsh areas and creek (1997). Hidden Lake Forest Preserve: scattered in and around marsh areas and creek (1997). Crabapple Lake (2000). SE corner of Arboretum on N side of Puffer Marsh, under power lines (2007).

***Salix nigra* Marsh.** West shore of Lake Marmo (1935).

***Salix purpurea* L.** Hidden Lake Forest Preserve: excavated area (1978). Hidden Lake Forest Preserve (1985). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993).

***Salix* × *rubens* Schrank (pro sp.).** Far E side of Arboretum, W side of service road and power lines. Many small trees in an open, grassy area on the fringe of the East Woods (2009)

SANTALACEAE

***Comandra umbellata* (L.) Nutt.** The Morton Arboretum (1923).

SAXIFRAGACEAE

***Heuchera richardsonii* R. Br.** The Morton Arboretum (1923). Forest Road near Parking 25 (1972).

SCROPHULARIACEAE

***Aureolaria grandiflora* (Benth.) Pennell var. *pulchra* Pennell.** East Side, dry woods N of slough along Forest Road Return (1950).

***Castilleja coccinea* (L.) Spreng.** Prairie - meadow (1923). Field east of the Meadow (1939).

***Chelone obliqua* L. var. *speciosa* Pennell & Wherry.** Bur-Reed Marsh, wing along the trail (Main Trail Loop 2) at the northern end of the marsh (2003). U95/area, NE area of Bur Reed Marsh along shrubby edge (2006).

***Gratiola neglecta* Torr.** The Morton Arboretum (1923). Low moist area just S of Ribes Collection in Shrub Collection (1970). Along Crowley Pond (1988).

***Linaria vulgaris* Mill.** Parking lot near Rhamnus Collection (1961). SE corner of grounds, NE of Puffer Marsh, in open field under power lines near the gravel service road (2006).

***Lindernia dubia* (L.) Pennell.** The Morton Arboretum (1923). South of Ribes Collection (1969).

***Mimulus ringens* L.** The Morton Arboretum (1923). Near spring (1924). Arbor Lake (2000). South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).

***Pedicularis canadensis* L.** The Morton Arboretum (1923).

***Penstemon digitalis* Nutt. ex Sims.** Open wet meadow area, N side of Forest Rd (1970). In unplanted prairie area formerly known as 'Eurasian Meadow' within the Schulenberg Prairie

(1987). East Side, Parking 15 (2000). NW of Big Rock Visitor Station along Heritage Trail, in woodland on slight slope (2007).

***Penstemon pallidus* Small.** Schulenberg Prairie (2000).

***Scrophularia marilandica* L.** The Morton Arboretum (1923). Woods opposite Crataegus Meadow (1925). Crataegus Meadow (1925). Meadow Road (1936). West Woods, W of Parking 9 (1970). Schulenberg Prairie (2000). Along East Woods Return. In low, slightly open area of woodland not far from creek bed and culvert (2007). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Verbascum blattaria* L.** The Morton Arboretum (1923). Along Forest Rd (1936). West Side, Parking 20A-23 (2000).

***Verbascum thapsus* L.** The Morton Arboretum (1924). Pine Hill, above Gravel Pit (1946). West Side, H-04 area along path to prairie (1990). Bur Reed Marsh (1993). West Side, Ozark Island, by Ozarks (2000). Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

***Veronica arvensis* L.** Roadside near Crataegus meadow (1924). Dwarf Collection beds (1969). In gravel along path 42 just W of Round Meadow Lane (1970).

***Veronica chamaedrys* L.** E of north section of Thornhill Experimental Plot; in light shade (1947). W of Parking 5 near Thornhill Building (1961). Lawn weed W of Thornhill Building (1999).

***Veronica officinalis* L.** Hemlock Hill (1936). Weed in Ash Collection (1969). In disturbed West Woods, W of Parking 9 (1970). East Side, near Parking 12, by prairie (2000). E of P7, S of Main Trail Loop 4, near E-111, in a shrubby field (2007).

***Veronica peregrina* L.** Crataegus slope (1923). Weed in propagating beds (1961). Weed in beds between greenhouses (1970).

***Veronica persica* Poir.** The Morton Arboretum (1961). The Morton Arboretum, East Side. A few plants growing in the lawn area just south of the Rare Plants Collection, in a relatively new patch of sod (2010).

***Veronica serpyllifolia* L.** Dogwood Collection (1961). In lawn just E of greenhouse 1 (1970).

***Veronicastrum virginicum* (L.) Farw.** Prairie meadow (1924). The Meadow (1936). The Meadow (1946). Along prairie trail at Schulenberg Prairie, 1-07 area (1998). Schulenberg Prairie (2000). Near E border of Arboretum, W146/area, E of service road, N of Lacy Creek in a shrubby field (2007).

SIMAROUBACEAE

***Ailanthus altissima* (Mill.) Swingle.** Hidden Lake Forest Preserve. Shrubby edge of a large woodland opening, along trail (2007).

SOLANACEAE

***Datura stramonium* L.** On berm just N of I-88 tollroad (1988).

***Lycium barbarum* L.** S side of Simonds Road, just W of DuPage River (1970).

***Physalis heterophylla* Nees var. *ambigua* (A. Gray) Rydb.** Prairie meadow (1994).

***Physalis longifolia* Nutt. var. *subglabrata* (Mackenzie & Bush) Cronq.** Prairie Restoration Project (1970). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Physalis virginiana* Mill.** Prairie meadow (1923). Prairie meadow (1924). Behind woods, opposite Crataegus meadow (1925).

***Solanum carolinense* L.** Weed in recently tilled ground, Prairie Restoration Project (1970). In unplanted prairie area formerly known as "the Eurasian Meadow" in Prairie Restoration (1987). East Side, the berm (2000). Hidden Lake FP, East Side. Large opening in woodland, on a rocky SE-facing slope in sandy soil (2007).

***Solanum dulcamara* L.** Sargent's Glade (1936). Near Simonds Road and Arbordale Gate (1961). Growing S of greenhouse (1969). West Side, N-010 area beside the bridge to the prairie; unmowed area beside stream (1990). East Side, Outer east edge (2000). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006).

***Solanum lycopersicum* L.** Weed along service drive which forms S border of Arboretum parallel to E-W Tollway (1970).

***Solanum physalifolium* Rusby.** East Side, nursery area by maintenance buildings (2000). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Solanum ptychanthum* Dunal.** The Morton Arboretum (1923). Along path through Pyrus group (1925). In shade under spruce in propagating beds (1970). Disturbed weedy area by the gravel lot near W entrance to Tree Breeding Nursery (2007).

***Solanum rostratum* Dunal.** Cultivated field of Prairie Restoration Project (1970).

STAPHYLEACEAE

***Staphylea trifolia* L.** Along ravine in East Woods near Parking 11 (1987). East Woods, Parking 7 (2000).

TILIACEAE

***Tilia americana* L.** The Morton Arboretum (1923). The Morton Arboretum (1923). Base of Hemlock Hill (1935). East Side, in native woods near Parking 34 (1973). N side of Arboretum near MM-44 in Oak woods in back of King's Court Rd off Park Blvd (1984). East Woods, in vicinity of I-110 & 116 and M-110 to I-116; woods (1991). Daffodil Glade, CC-19 area near Parking 20A; wooded area (1997). Parking 7, east woods (2000). Along East Woods Return near Darner Field. In low area along woodland edge, not far from culvert (2007).

ULMACEAE

***Celtis occidentalis* L.** Thicket S of Forest Road (1935). Along service road to Puffer Pond in SE corner of Arboretum (1987). Hidden Lake Forest Preserve. Open woodland dominated by *Lonicera maackii*, *Rhamnus cathartica*, and *Robinia pseudoacacia*. Note: there is a concrete foundation and much human debris here (2007).

***Ulmus americana* L.** NW of Lake Marmo (1935). NW corner of Lake Marmo (1936). NW corner of Lake Marmo (1936). NW corner of Lake Marmo (1937). Fencerow along NW boundary of Arboretum near Fischer tract (1978). By NE exit (1997). Parking 7, East Woods (2000). EE126/area, NE of Big Rock Visitor Station, in wooded area with thickets (2006). Hidden Lake Forest Preserve. Plot ZZ142, woodland (2006). Along East Woods Return near Darner Field; woodland edge near clearing (2007). Far east side of Arboretum, near service road along Lacy Creek (2007).

***Ulmus × notha* Wilhelm & G. Ware, *hyb. nov. ined.* [*U. pumila* × *U. rubra*].** In fencerow along NW boundary of Arboretum near the Fischer tract (1978). Old apartment garden N of Thornhill Parking, E of Pole Barn (1992). Along gravel road, 200' E of gate at strip of triangular area of Hidden Lake (1992). Along gravel road, 200' E of gate at strip of triangular area of Hidden Lake (1992). Along gravel road, 200' E of gate at strip of triangular area of Hidden Lake (1992). 150' E of junction of Hidden Lake Rd and Forest Rd return, "east tree" (1993). 150' E of junction of Hidden Lake Rd and Forest Rd return, "east tree" (1993). 150' E of junction of Hidden Lake Rd and Forest Rd return, "west tree" (1993). 150' E of junction of Hidden Lake Rd and Forest Rd return, "west tree" (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993). Hidden Lake Forest Preserve: gravelly waste ground E of Eagle Lake, along N border of Arboretum (1993).

***Ulmus pumila* L.** Hidden Lake Forest Preserve: E side of DuPage River; fence row, open, disturbed site (1996). Far east side of Arboretum, near service road along Lacy Creek (2007).

***Ulmus rubra* Muhl.** S of Picnic Grounds (1935). East Side, N side of Oakwood Loop (1971).

URTICACEAE

***Boehmeria cylindrica* (L.) Sw.** Dry river bed near European Collection (1970). Burr Reed Marsh (1993). East Side, Parking 8, along Oakwood Loop (2000). R79/area, NE of Crowley Marsh, open wetland (currently dry) dominated by *Phalaris arundinacea*. In partial shade of *Populus deltoides*, growing in a clump with *Scirpus fluviatilis* (2006).

***Laportea canadensis* (L.) Weddell.** Maple woods near Prairie meadow (1925). East Woods (1940). Along Meadow Road W of Prairie (1940). East Side, near Remnant Prairie (1969). East Woods, U-124 area; woodland, deep shade, slightly disturbed site near trail (1996). Y115/area, E of Big Rock Visitor Station; dry creek bed in slightly open area of woodland, not far from trail (2006). East Side, Spruce Plot (2007).

Parietaria pensylvanica* Muhl. *ex Willd. The Morton Arboretum (1923). Along shaded roadside of Oakwood Loop (1961). Weed in dwarf planting group (1969). The Morton Arboretum grounds (1969).

***Pilea pumila* (L.) A. Gray.** Mixed woods, ravine path (1924). In beds along Joy Path (1969). In shade of spruce in propagating beds (1970). Dry river bed, near European Collection (1970). Near BB121, in woodland NE of Big Rock Visitor Station, in dry creek bed near SE section of Woodland Trail (2006).

***Urtica dioica* L. *ssp. gracilis* (Ait.) Seland.** Along DuPage River (1924). Hidden Lake Forest Preserve: along marsh area between DuPage River and artificial lake; marsh; in low area near edge of wet meadow (1996). East Side, Parking 16 (2000). SE corner of Arboretum, SE corner of Puffer Marsh (moist soil but no standing water at this time), under power lines. Marsh dominated by *Phragmites australis* and *Typha* (2007).

VALERIANACEAE

***Valeriana officinalis* L.** Area N of Forest Road and E of Magnolia Collection (1970). Near Crowley Pond (1988).

VERBENACEAE

- Glandularia canadensis* (L.) Nutt.** On newly constructed earthen berm behind South Farm (1988).
- Phryma leptostachya* L.** Mixed woods (1923). East Side, disturbed oak-maple woods (1970). NE of intersection of Main Route and East Woods Return, in slightly open area of woodland (2007).
- Phyla lanceolata* (Michx.) Greene.** Along previously inundated shore, S side of Meadow Lake (1985). Meadow Lake (2000).
- Verbena bracteata* Lag. & Rodr.** Nurseries (1924). Nurseries (1924). Weed in cracks of streets in Arbordale (1985).
- Verbena hastata* L.** Prairie-meadow (1923). Prairie meadow (1924). East Side, Crowley Pond area, M-77 area; open area (1997). Crabapple Lake (2000). South edge of Spikerush Marsh (no standing water at this time) in moist ground (2007).
- Verbena urticifolia* L.** Roadside (1924). The Morton Arboretum (1924). West of Mey Spruce Plot (1936). Beds along Joy Path (1969).
- Verbena urticifolia* L. var. *urticifolia*** . R79/area, NE of Crowley Marsh (2006).

VIOLACEAE

- Viola affinis* Leconte.** Moist open woods off Simonds Road, SE of Thornhill (1974). N of Meadow Lake, T-49 area, NE of cactus bed in weedy open ground (1996).
- Viola arvensis* Murr.** Rhamnus group (1947).
- Viola missouriensis* Greene × *V. sororia* Willd.** N of Meadow Lake, T-49 area, NE of cactus bed in weedy open ground (1996).
- Viola odorata* L.** Near NW end of Meadow Lake at about R-47 (1974).
- Viola pedata* L.** Field E of Parking Lot 10 (1941).
- Viola pedatifida* G. Don.** The Meadow (1939). The Meadow (1939).
- Viola pubescens* Ait.** The Morton Arboretum (1923). The Morton Arboretum (1923). The Morton Arboretum (1923). The Morton Arboretum (1924). Ravine Path (1936). Crabapple Trail (1941). Physocarpus Group (1946). East Woods (1987). East Woods Trail, just E of P7 in mixed woods; in moist soil (2002). Plot EE-77 (2007). Maple dominated woodland W of Spruce Plot, near plot U111/area, on a sparsely vegetated W-facing slope (2007).
- Viola sororia* Willd.** The Morton Arboretum (1923). The Morton Arboretum (1924). Sargent's Glade (1936). Hemlock Hill, near W end (1947). Just off of entrance road which leads into S area of Prairie Restoration Project (1972). In grassy area of Geographic Group (Taxodium) off of Forest Rd (1972). Near SE corner of Meadow Lake; low wet wooded area (1998). NE of Big Rock Visitor Station, just S of south portion of Woodland Trail. On steep slope along E-W creek, in woodland (2007). SE area of grounds, in an open area near P12, near gravel service road leading south from P12 (2007). SE area of grounds, in an open area near P12, near gravel service road leading south from P12 (2007). SE area of grounds, in an open area near P12, near gravel service road leading south from P12 (2007).
- Viola striata* Ait.** Along N edge of East Woods, S of Lacey Creek (1992). Forest Edge Loop, off Forest Rd (2000). Plot RR-95 (2007).
- Viola* × *subsinuata* (Greene) Greene (pro sp.) [*V. pedatifida* × *V. sororia*].** The Morton Arboretum (1923). East Woods (1939). Viburnum Collection (1946).

***Viola tricolor* L.** Balkan Collection (1985).

VITACEAE

***Ampelopsis brevipedunculata* (Maxim.) Trautv.** Along W side of East Woods Return, near woodland (2007). Intersection of Main Route and East Woods Return, in open grassy patch near woodland (2007).

***Parthenocissus inserta* (Kerner) Fritsch.** Dwarf Shrub Collection (1969). On entrance gate off of Finley Rd (1970). In Arbordale, clambering over a bush north of Arbor Lake (1977). SE corner of Arboretum, in wooded area along service road directly N of Puffer Marsh (2007).

***Parthenocissus quinquefolia* (L.) Planch.** Balkan Collection (1975). West Side, just N of Iron Bridge (1977). J-107 area in SW portion of East woods; just off the road (1990). Arbordale (2000). Growing on a *Quercus alba* along Main Route, W of P14 and Beech Collection (2007).

***Vitis riparia* Michx.** The Morton Arboretum (1923). The Morton Arboretum (1923). NW corner of Lake Marmo (1935). Along Forest Road near Honeysuckle group (1946). West Side, just N of Iron Bridge (1977). J-107 area in SW portion of East Woods, just off the road (1990). The Morton Arboretum (1998). Arbor Lake (2000). E of P7, S of Main Trail Loop 4, in shrubby field N of the power lines (2007).