

A SITE INVENTORY OF CHAUNCEY MARSH NATURAL AREA
LAWRENCE COUNTY, ILLINOIS

Loy R. Phillippe¹
John E. Ebinger²
Jennifer A. Tate³
Dave Ketzner¹
Kate Kramer¹

Illinois Natural History Survey
Center for Biodiversity
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¹Illinois Natural History Survey
607 East Peabody Drive
Champaign, Illinois 61820

²Eastern Illinois University
Life Science Building
Charleston, Illinois 61920

³Botany Department
The University of Texas At Austin
Austin, Texas 78713-7640

Prepared for:
Illinois Department of Natural Resources
Division of Natural Heritage
524 South Second Street
Springfield, Illinois 62701

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A Site Inventory of Chauncey Marsh Natural Area, Lawrence County, Illinois

Introduction

Chauncey Marsh is part of a 372.3 hectare (ha) Natural Areas Inventory Site located within the Bottomland Section of the Wabash Border Natural Division. Chauncey Marsh is owned by the Illinois Department of Natural Resources and is the only significant marsh remaining within the Wabash Border Natural Division of Illinois. Approximately 62.7 ha have been declared a nature preserve by the Natural Areas Section of the Illinois Department of Natural Resources. The natural area has both outstanding marsh and bottomland forest communities. The Community Classes within the Chauncey Marsh Natural Area were: Cultural, Wetland, and Forest. The Cultural areas were represented by roadsides, prairie plantings, croplands, and successional fields. Wetlands were represented by shrub swamps and marshes. The shrub swamps were small and scattered through the forest. The marsh had a vegetation survey and species list generated in 1982 (Ebinger). The Forests include both a wet-mesic floodplain forest and a wet floodplain forest. The present vegetation survey concentrated on the more extensive wet-mesic floodplain forest.

Description of the Forest Survey Study Area

The study site is a rectangular shaped area (100 m by 500 m, with a north/south orientation) located near the middle of a large tract of timber at the Chauncey Marsh Nature Preserve. This wet-mesic floodplain forest (White and Madany 1978) is situated on a terrace of the Embarras river in Lawrence County, Illinois (T. 5N, R. 12W, N $\frac{1}{2}$ Section 30) about 3 miles east of the village of Chauncey. Located in the Bottomland Section of the Wabash Border Division (Schwegman *et al.* 1973), it is about 600 m south of the river. This terrace of the Embarras River is at an elevation of 430 feet above sea level and about 4 m above the normal flow of the river. The forest is flooded for short periods of time in most years. During the Spring of 1995 it was not possible to visit the forest for about 8 days due to high water levels. During the Spring of 1996 it was not possible to visit the forest for about 2 months due to high water levels.

Materials and Methods

During the summer of 1995, a 5 ha representative section of the terrace forest was divided into 80 quadrats of 25 m \times 25 m. In each quadrat all living and dead-standing woody individuals 10 cm dbh and above were identified and their diameters recorded. Density (stems/ha), basal area (m²/ha), relative density, relative dominance, importance value (IV), and average diameter (cm) were calculated for each tree species recorded. The determination of the IV follows the procedure used by McIntosh (1957), and is the sum of the relative density and relative dominance of a given species.

$$\text{Relative Density} = \frac{\text{total individuals of a species}}{\text{total individuals of all species}} \times 100$$

$$\text{Relative Dominance} = \frac{\text{basal area of a species}}{\text{basal area of all species}} \times 100$$

$$\text{Importance Value} = \text{Relative Density} + \text{Relative Dominance}$$

During the summer of 1996, this area was sampled for saplings and seedlings. The saplings and seedlings were sampled using nested circular plots. Large saplings (2.5 cm to < 10 cm dbh) were sampled using 75 circular plots 1/100 ha and small saplings (> 50 cm tall and < 2.5 cm dbh) were sampled using 75 circular plots 1/1000 ha. Seedlings (< 50 cm tall) were sampled using 225 circular plots 1/10000 ha. The saplings and seedlings were analyzed according to their density (#/ha). The addendum to this report list these taxa with their voucher number, native or non native designation, common name, and their community of occurrence. Vouchered specimens were deposited in the herbarium at the Illinois Natural History Survey (ILLS). Nomenclature primarily follows that of Mohlenbrock (1986).

Results and Discussion

Within the study area, the tree density averaged 353 stems/ha while basal area exceeded 28.5 m²/ha. Woody species diversity was extremely high with 24 woody species being present, 20 of which were capable of reaching the canopy (Table 1). Of these, *Carya laciniosa* (Michx.) Loud. (kingnut hickory) ranked first with an IV of 44.9 (possible 200), accounted for 27% of the density (97 out of 353), but only 17% of the basal area (4.9 out of 28.5). This species dominated all of the smaller diameter classes with 95% of the individuals less than 50 cm dbh (Table 2). This species also had the highest density of large saplings, small saplings, and seedlings (Table 3). In contrast, *Liquidambar styraciflua* L. (sweet gum) and *Quercus palustris* Muenchh. (pin oak), which ranked second and third in IV, had higher densities in the larger diameter classes and average diameters greater than 45 cm dbh (Table 2). Sweet gum was not recorded in the sapling/seedling survey while pin oak was well represented in the seedling stage (second highest density) with > 26% of its total density but absent from the small saplings stage and poorly represented in the large saplings stage (1.3/221.3) < 1% of their total density (Table 3). Of the remaining species, individuals of *Acer saccharinum* L. (silver maple) were fairly well distributed throughout all diameter classes, while most other species dominated the smaller diameter classes. In particular, *Ulmus americana* L. (American elm) and *Celtis occidentalis* L. (hackberry) had 14 or more individuals in the 6 to 9 and 10 to 19 cm diameter classes (5 to 7 stems ha), and were also represented in the 80+ diameter class. However, silver maple was not recorded in the sapling and seedling survey. American elm was sixth in seedling density (88.9/ha) or > 2% but second in large sapling density (42.7/ha) or > 19% of those sampled. Hackberry was fourth in

seedling density (488.9/ha) or > 12% but third in large sapling density (33.3/ha) or > 15% of those sampled.

Of the understory species only *Cercis canadensis* L. (redbud) was relatively common with an IV of 4.9 and 15.6 stems/ha. The remaining understory species included *Acer negundo* L. (box elder), *Crataegus crus-galli* L. (Cock-spur Thorn), *Crataegus mollis* (Torrey & Gray) Scheele (red haw), and *Prunus hortulana* Bailey (wild goose plum), all with IV's below 1.5 and very low densities.

Tree mortality was low, with dead-standing individuals averaging 17.2 stems/ha, having a basal area of 1.36 m²/ha, and an average diameter of 24.4. American elm, with a mortality of 6.8 stems/ha and a basal area of .144 m²/ha ranked first in dead-standing individuals. Pin oak with an average of 2.4 stems/ha ranked second followed by *Fraxinus pennsylvanica* Marsh. (green ash) and swamp white oak. Only a few coppice stems were found, and no cut stumps were observed.

The forests at the Chauncey Marsh Nature Preserve were similar to the high terrace forest described by Nýboer and Ebinger (1976) in Clark County, Illinois. This forest, located in the northern part of the Embarras River drainage, has many of the canopy species found at Chauncey Marsh. In both, kingnut hickory is the leading dominant with the highest IV, and many individuals in the lower diameter classes. Other common components include American elm, silver maple, red maple, hackberry, swamp white oak, bur oak, and honey locust. The Clark County site is drier, however, and some upland species were present, such as *Quercus alba* L. (white oak), *Quercus rubra* (red oak), *Acer saccharum* Marsh. (sugar maple), and *Fraxinus americana* L. (white ash), while sweet gum and pin oak, second and third in IV at Chauncey Marsh, were absent. Also, the increased importance of silver maple at Chauncey Marsh (IV of 18.0 with 23.4 stems/ha) far exceeds its importance in the Clark County forest (IV of 5.3 and 4.0 stems/ha).

A total of 351 taxa of vascular plants were found. One Illinois State Endangered species, *Silene regia* Sims (royal catchfly), was observed at the Chauncey Marsh Natural Area but was not collected. This species was found in a prairie planting and was clearly planted here. No Illinois State Threatened taxa were observed. Eighteen percent of the taxa at the Natural Area were not native to Illinois and several taxa planted in the man-made prairie were not an original component of the natural area.

As expected the Ferns and Fern Allies were poorly represented (> 1% of all taxa) at Chauncey Marsh Natural Area. Four taxa were observed in 3 genera and 3 families. Gymnosperms were not represented. Monocots made-up > 29% of the flora with 102 taxa in 51 genera and 13 families. Dicots made-up > 70% of the flora with 246 taxa in 171 genera and 62 families. The two largest genera were *Carex* with 20 species and *Polygonum* with 10 species. The largest families were Poaceae (48 taxa), Asteraceae (33

taxa), Cyperaceae (30 taxa), Fabaceae (16 taxa), Rosaceae (15 taxa), and Polygonaceae (14 taxa).

Table 1. Density (#/ha), basal area (m²/ha), relative density, relative dominance, importance value, and average diameters (cm) of the woody species encountered at the Chauncey Marsh Nature Preserve, Lawrence County, Illinois.

Species	Common Name	Total Ind. (#/ha)	Total Basal Area (m ² /ha)	Rel. Den.	Rel. Dom.	I.V.	Av. Diam. (cm)
<i>Carya laciniosa</i> (Michx.) Loud.	Kingnut Hickory	97.6	4.93	27.7	17.2	44.9	20.3
<i>Liquidambar styraciflua</i> L.	Sweet Gum	30.8	5.45	8.7	19.2	27.9	45.0
<i>Quercus palustris</i> Muenchh.	Pin Oak	21.6	6.13	6.1	21.5	27.6	56.6
<i>Acer saccharinum</i> L.	Silver Maple	23.4	3.24	6.6	11.4	18.0	34.2
<i>Ulmus americana</i> L.	American Elm	44.2	0.87	12.5	3.1	15.6	13.5
<i>Quercus bicolor</i> Willd.	Swamp White Oak	21.6	1.70	6.1	6.0	12.1	24.0
<i>Celtis occidentalis</i> L.	Hackberry	29.8	0.68	8.4	2.4	10.8	13.8
<i>Fraxinus pennsylvanica</i> Marsh.	Green Ash	17.4	1.37	4.9	4.8	9.7	26.2
<i>Quercus macrocarpa</i> Michx.	Bur Oak	16.4	1.21	4.7	4.3	9.0	22.6
<i>Gleditsia triacanthos</i> L.	Honey Locust	4.8	1.02	1.4	3.6	5.0	49.1
<i>Cercis canadensis</i> L.	Redbud	15.6	0.14	4.4	0.5	4.9	9.9
<i>Carya illinoensis</i> (Wang.) K. Koch	Pecan	9.0	0.41	2.6	1.4	4.0	18.7
<i>Acer rubrum</i> L.	Red Maple	4.8	0.54	1.4	1.9	3.3	27.1
Others*		16.2	0.77	4.5	2.7	7.2	—
Totals		353.2	28.46	100.0	100.0	200.0	

*The other species, by decreasing IV, include *Carya cordiformis* (Wang.) K. Koch (Bitternut Hickory), *Populus deltoides* Marsh. (Cottonwood), *Celtis laevigata* Willd. (Sugarberry), *Diospyros virginiana* L. (Persimmon), *Acer negundo* L. (Box Elder), *Crataegus mollis* (Torrey & Gray) Scheele (Red Haw), *Platanus occidentalis* L. (Sycamore), *Juglans nigra* L. (Black Walnut), *Ulmus rubra* Muhl. (Slippery Elm), *Prunus hortulana* Bailey (Wild Goose Plum), and *Quercus shumardii* (Shumard's Oak).

Table 2. Density (#/ha) by diameter classes of the woody species encountered at the Chauncey Marsh Nature Preserve, Lawrence County, Illinois.

Species	6-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
Kingnut Hickory	39.2	21.0	9.2	13.0	10.2	3.8	1.0	0.2	—
Sweet Gum	0.8	1.6	2.0	6.4	7.0	7.8	4.6	0.2	0.4
Pin Oak	0.8	0.6	0.4	1.8	3.4	5.2	4.4	2.8	2.2
Silver Maple	3.4	7.0	1.6	2.2	3.0	1.2	2.8	1.0	1.2
American Elm	20.0	17.8	3.4	2.0	0.8	0.2	—	—	—
Swamp White Oak	6.8	6.2	3.0	1.6	1.2	1.2	0.6	0.2	0.8
Hackberry	14.0	11.6	1.6	1.2	0.8	0.6	—	—	—
Green Ash	4.8	3.6	2.4	1.8	3.2	0.8	0.6	—	0.2
Bur Oak	5.2	5.4	2.0	0.6	1.2	0.6	0.4	0.4	0.6
Honey Locust	0.2	—	0.6	0.4	1.2	1.4	0.4	0.4	0.2
Redbud	10.4	5.0	0.2	—	—	—	—	—	—
Pecan	4.2	2.0	0.6	0.6	1.2	0.4	—	—	—
Red Maple	2.0	1.2	—	0.2	0.4	0.2	0.4	—	0.4
Others	6.4	6.4	1.2	0.2	0.8	0.2	0.8	—	0.2
Totals	118.2	89.4	28.2	32.0	34.4	23.6	16.0	5.2	6.2

Table 3. Density (#/ha) of seedlings (< 50 cm tall), small saplings (> 50 cm tall but < 2.5 cm dbh), and large saplings (2.5 to 10 cm dbh) at Chauncey Marsh Nature Preserve, Lawrence County, Illinois.

Species	Seedlings	Small Saplings	Large Saplings
Kingnut Hickory	1377.8	760.0	86.7
Pin Oak	1066.7	—	1.3
Green Ash	666.7	386.7	14.7
Hackberry	488.9	26.7	33.3
Honey Locust	133.3	—	—
American Elm	88.9	66.7	42.7
Red Haw	88.9	40.0	—
Pecan	44.4	—	12.0
Redbud	—	13.3	12.0
Bur Oak	—	—	12.0
Others (5 species)	88.9	26.7	6.6
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Totals	4044.5	1320.1	221.3

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ADDENDUM

VOUCHERED LIST OF VASCULAR PLANTS FOR CHAUNCEY MARSHY NATURAL AREA, LAWRENCE CO., ILLINOIS

Family	Scientific Name	Voucher #	Native or not	Common name	*Community
Acanthaceae	<i>Ruellia strepens</i> L.	26761	native	Smooth Ruellia	1
Aceraceae	<i>Acer negundo</i> L.	26859	native	Boxelder	1,2
Aceraceae	<i>Acer rubrum</i> L. var. <i>drummondii</i> (Hooker & Arnott) Sargent	26151	native	Drummond's Red Maple	1,2,4
Aceraceae	<i>Acer saccharinum</i> L.	26182	native	Silver Maple	1,2,4
Acoraceae	<i>Acorus calamus</i> L.	26391	introduced	Sweet Flag	2,4
Alismataceae	<i>Alisma triviale</i> F.T. Pursh	26829	native	Water Plantain	3,4
Amaranthaceae	<i>Amaranthus hybridus</i> L.	26839	introduced	Green Amaranth	6,7,8
Anacardiaceae	<i>Toxicodendron radicans</i> (L.) Kuntze	26409	native	Poison Ivy	1,2,6
Annonaceae	<i>Asimina triloba</i> (L.) Dunal	26187	native	Paw Paw	1
Apiaceae	<i>Chaerophyllum procumbens</i> (L.) Crantz	26186	native	Wild Chervil	1
Apiaceae	<i>Cryptotaenia canadensis</i> (L.) de Candolle	26425	native	Honewort	1,2
Apiaceae	<i>Daucus carota</i> L.	26712	introduced	Wild Carrot	6,7,8
Apiaceae	<i>Eryngium yuccifolium</i> Michaux	26723	native	Rattlesnake Master	5
Apiaceae	<i>Oxypolis rigidior</i> (L.) Rafinesque	26766	native	Cowbane	1,3,4
Apiaceae	<i>Sanicula canadensis</i> L.	26380	native	Canadian Black Snakeroot	1,2
Apiaceae	<i>Sanicula odorata</i> (Rafinesque) Pryer & Phillippe	26192	native	Common Snakeroot	1,2
Apiaceae	<i>Sium suave</i> Walter	26793	native	Water Parsnip	2,3,4
Apiaceae	<i>Zizia aurea</i> (L.) Koch	26852	native	Golden Alexanders	1,2,8
Apocynaceae	<i>Amsonia tabernaemontana</i> Walter	26290	native	Blue Star	2,4,8
Apocynaceae	<i>Apocynum sibiricum</i> Jacquin	26461	native	Indian Hemp	4,6,7,8
Araceae	<i>Arisaema dracontium</i> (L.) Schott	26424	native	Green Dragon	1
Araceae	<i>Peltandra virginica</i> (L.) Schott	26437	native	Arrow Arum	2,3,4
Aristolochiaceae	<i>Aristolochia serpentaria</i> L.	26383	native	Virginia Snakeroot	1
Asclepiadaceae	<i>Asclepias incarnata</i> L.	26751	native	Swamp Milkweed	4
Asclepiadaceae	<i>Asclepias perennis</i> Walter	26771	native	White Milkweed	2,3
Asclepiadaceae	<i>Asclepias syriaca</i> L.	26444	native	Common Milkweed	6
Asclepiadaceae	<i>Cynanchum laeve</i> (Michaux) Persoon	26724	native	Blue Vine	5
Asteraceae	<i>Achillea millefolium</i> L.	26332	introduced	Yarrow	6,8

Asteraceae	<i>Ambrosia artemisiifolia</i> L.	26786	native	Common Ragweed	5,6,7,8
Asteraceae	<i>Ambrosia trifida</i> L.	26792	native	Giant Ragweed	2,4,6,7,8
Asteraceae	<i>Aster lanceolatus</i> Willdenow	27035	native	Panicled Aster	1,2
Asteraceae	<i>Aster ontarionis</i> Willdenow	27037	native	Ontario Aster	1,2,4
Asteraceae	<i>Aster pilosus</i> Willdenow	27036	native	Hairy Aster	5,6,8
Asteraceae	<i>Bidens aristosa</i> (Michaux) Britton	26787	native	Swamp marigold	4,5
Asteraceae	<i>Boltonia asteroides</i> (L.) L'Héritier var. <i>recognita</i> (Fernald & Griscom) Cronquist	26840	native	False Aster	4,5
Asteraceae	<i>Conyza canadensis</i> (L.) Cronquist	26837	native	Horseweed	5,6,7,8
Asteraceae	<i>Coreopsis tripteris</i> L.	26701	native	Tall Tickseed	5
Asteraceae	<i>Eclipta prostrata</i> (L.) L.	26729	native	Yerba de Tajo	3,4
Asteraceae	<i>Erigeron annuus</i> (L.) Persoon	26403	native	Daisy Fleabane	5,7,8
Asteraceae	<i>Erigeron philadelphicus</i> L.	26314	native	Marsh Fleabane	1,2
Asteraceae	<i>Eupatorium coelestinum</i> L.	26772	native	Mistflower	1,4
Asteraceae	<i>Eupatorium rugosum</i> Houttuyn	26704	native	White Snakeroot	1
Asteraceae	<i>Eupatorium serotinum</i> Michaux	26782	native	Late Boneset	1,4,5
Asteraceae	<i>Euthamia graminifolia</i> (L.) Salisbury	26822	native	Grass-leaved Goldenrod	6
Asteraceae	<i>Helenium autumnale</i> L.	26868	native	Autumn Sneezeweed	4,8
Asteraceae	<i>Helianthus divaricatus</i> L.	26706	native	Woodland Sunflower	5
Asteraceae	<i>Helianthus strumosus</i> L.	26818	native	Pale-leaved Sunflower	6
Asteraceae	<i>Helianthus tuberosus</i> L.	26819	native	Jerusalem Artichoke	6
Asteraceae	<i>Lactuca canadensis</i> L.	26776	native	Wild Lettuce	5,6,7,8
Asteraceae	<i>Matricaria matricarioides</i> (Lessing) Porter	26164	introduced	Pineapple-weed	8
Asteraceae	<i>Mikania scandens</i> (L.) Willdenow	26797	native	Climbing Hempweed	2
Asteraceae	<i>Rudbeckia laciniata</i> L.	26854	native	Goldenglow	1
Asteraceae	<i>Senecio glabellus</i> Poiret	26177	native	Butterweed	1
Asteraceae	<i>Silphium perfoliatum</i> L.	26851	native	Cup-plant	1,4
Asteraceae	<i>Solidago canadensis</i> L.	27033	native	Tall Goldenrod	5,6,8
Asteraceae	<i>Solidago gigantea</i> Aiton	26872	native	Late Goldenrod	1
Asteraceae	<i>Taraxacum officinale</i> Weber	26180	introduced	Dandelion	6,7,8
Asteraceae	<i>Vernonia fasciculata</i> Michaux	26754	native	Common Ironweed	4
Asteraceae	<i>Vernonia gigantea</i> (Walter) Trelease	26757	native	Tall Ironweed	1
Asteraceae	<i>Xanthium strumarium</i> L. var. <i>glabratum</i> (de Candolle) Cronquist	26870	introduced	Common Cocklebur	6,7,8
Betulaceae	<i>Betula nigra</i> L.	26871	native	River Birch	2

Bignoniaceae	<i>Campsis radicans</i> (L.) Seemann	26743	native	Trumpet Creeper	1,2,6
Boraginaceae	<i>Myosotis macrosperma</i> Engelman	26325	native	Scorpion Grass	5
Brassicaceae	<i>Arabidopsis thaliana</i> (L.) Heynhold	26174	introduced	Mouse-ear Cress	7
Brassicaceae	<i>Armoracia lacustris</i> (A. Gray) Al-Shehbaz & V. Bates	26456	native	Lake Cress	4
Brassicaceae	<i>Barbarea vulgaris</i> R. Brown var. <i>arcuata</i> (Opiz) Fries	26159	introduced	Yellow Rocket	7,8
Brassicaceae	<i>Capsella bursa-pastoris</i> (L.) Medicus	26160	introduced	Shepherd's Purse	1,7,8
Brassicaceae	<i>Cardamine bulbosa</i> (Schreber) BSP.	26189	native	Spring Cress	1
Brassicaceae	<i>Cardamine parviflora</i> L. var. <i>arenicola</i> (Britton) O.E. Schultz	26175	native	Small-flowered Bitter Cress	7,8
Brassicaceae	<i>Draba brachycarpa</i> Nuttall	26165	native	Short-fruited Whitlow Grass	7,8
Brassicaceae	<i>Draba verna</i> L.	26166	introduced	Mouse-eared Whitlow Grass	7,8
Brassicaceae	<i>Iodanthus pinnatifidus</i> (Michaux) Steudel	26422	native	Purple Rocket	1
Brassicaceae	<i>Lepidium virginicum</i> L.	26161	native	Common Peppergrass	6,7,8
Brassicaceae	<i>Sibara virginica</i> (L.) Rollins	26171	native	Virginian Sibara	7
Campanulaceae	<i>Lobelia cardinalis</i> L.	26718	native	Cardinal Flower	1,2,4,8
Campanulaceae	<i>Triodanis perfoliata</i> (L.) Nieuwland var. <i>perfoliata</i>	26462	native	Venus'-looking Glass	7,8
Caprifoliaceae	<i>Lonicera maackii</i> (Ruprecht) Maximowicz	27275	introduced	Amur Honeysuckle	5
Caprifoliaceae	<i>Sambucus canadensis</i> L.	26432	native	Elderberry	1,2,4
Caryophyllaceae	<i>Arenaria serpyllifolia</i> L.	26302	introduced	Thyme-leaved Sandwort	8
Caryophyllaceae	<i>Cerastium nutans</i> Rafinesque	26178	native	Nodding Mouse-eared Chickweed	7
Caryophyllaceae	<i>Cerastium vulgatum</i> L.	26327	introduced	Common Mouse-eared Chickweed	5,7
Caryophyllaceae	<i>Dianthus armeria</i> L.	26341	introduced	Deptford Pink	7,8
Caryophyllaceae	<i>Silene regia</i> Sims	in man made prairie, saw, did not collect	native	Royal Catchfly	5
Caryophyllaceae	<i>Silene stellata</i> (L.) Aiton f.	26703	native	Starry Champion	1
Caryophyllaceae	<i>Stellaria media</i> (L.) Cyrill	26179	introduced	Common Chickweed	7,8

Celastraceae	<i>Celastrus scandens</i> L.	27034	native	Bittersweet	1
Celastraceae	<i>Euonymus fortunei</i> (Turczaninow) Handel-Mazzetti	26406	introduced	Climbing Euonymus	1
Chenopodiaceae	<i>Chenopodium album</i> L.	26875	introduced	Lamb's Quarters	6,7,8
Clusiaceae	<i>Hypericum mutilum</i> L.	26811	native	Dwarf Saint John's-wort	1,4,8
Clusiaceae	<i>Hypericum sphaerocarpum</i> Michaux	26455	native	Round-fruited Saint John's-wort	6
Commelinaceae	<i>Commelina virginica</i> L.	26742	native	Day Flower	1,4
Commelinaceae	<i>Tradescantia ohiensis</i> Rafinesque	26321	native	Spiderwort	5,6
Commelinaceae	<i>Tradescantia subaspera</i> Ker	26410	native	Spiderwort	1
Convolvulaceae	<i>Calystegium sepium</i> (L.) R. Brown	26781	native	American Bindweed	5,7,8
Convolvulaceae	<i>Convolvulus arvensis</i> L.	26867	introduced	Field Bindweed	7,8
Convolvulaceae	<i>Ipomoea hederacea</i> (L.) Jacquin	26789	introduced	Ivy-leaved Morning-glory	7,8
Convolvulaceae	<i>Ipomoea lacunosa</i> L.	26794	native	Small White Morning-glory	1,2
Convolvulaceae	<i>Ipomoea pandurata</i> (L.) G.F.W. Meyer	26744	native	Wild Sweet Potato Vine	6,7
Cornaceae	<i>Cornus drummondii</i> C.A. Meyer	26404	native	Rough-leaved Dogwood	8
Cornaceae	<i>Cornus obliqua</i> Rafinesque	26405	native	Pale Dogwood	1,2,5
Cucurbitaceae	<i>Sicyos angulatus</i> L.	26863	native	Bur Cucumber	1,2,3
Cyperaceae	<i>Carex annectens</i> Bicknell	26382	native	Sedge	5
Cyperaceae	<i>Carex bicknellii</i> Britton	26440	native	Sedge	8
Cyperaceae	<i>Carex brevior</i> (Dewey) Mackenzie	26294, 26324	native	Sedge	5
Cyperaceae	<i>Carex bushii</i> Mackenzie	26335	native	Sedge	6,8
Cyperaceae	<i>Carex caroliniana</i> Schwein	26292-A	native	Sedge	2
Cyperaceae	<i>Carex crus-corvi</i> Shuttleworth	26445	native	Sedge	2,3
Cyperaceae	<i>Carex davisii</i> Schweinitz & Torrey	26423	native	Sedge	1,6
Cyperaceae	<i>Carex festucacea</i> Willdenow	26323	native	Sedge	5
Cyperaceae	<i>Carex gracilescens</i> Steudel	26201	native	Sedge	1
Cyperaceae	<i>Carex granularis</i> Willdenow	26292-B	native	Sedge	2
Cyperaceae	<i>Carex grayi</i> Carey	26303	native	Sedge	1
Cyperaceae	<i>Carex grisea</i> Wahlenberg	26304	native	Sedge	1
Cyperaceae	<i>Carex hyalinolepis</i> Steudel	26291	native	Sedge	1,2,4
Cyperaceae	<i>Carex leavenworthii</i> Dewey	26322	native	Sedge	2,5
Cyperaceae	<i>Carex lupulina</i> Willdenow	26463	native	Sedge	1
Cyperaceae	<i>Carex muskingumensis</i> Schweinitz	26306	native	Sedge	1,2,4

Cyperaceae	<i>Carex squarrosa</i> L.	26305	native	Sedge	1,2
Cyperaceae	<i>Carex stipata</i> Muhlenberg	26415	native	Sedge	1,4
Cyperaceae	<i>Carex typhina</i> Michaux	26411	native	Sedge	1
Cyperaceae	<i>Carex vulpinoidea</i> Michaux	26454	native	Sedge	6,8
Cyperaceae	<i>Cyperus aristatus</i> Rottboell	26738	native	Galingale	8
Cyperaceae	<i>Cyperus esculentus</i> L.	26814	native	Nut-grass	8
Cyperaceae	<i>Cyperus odoratus</i> L.	26835	native	Galingale	7,8
Cyperaceae	<i>Cyperus ovularis</i> (Michaux) Torrey	26779	native	Round-headed Sedge	4,7,8
Cyperaceae	<i>Cyperus strigosus</i> L.	26831	native	Galingale	7,8
Cyperaceae	<i>Eleocharis obtusa</i> (Willdenow) Schultes	26737	native	Spike Rush	4,8
Cyperaceae	<i>Scirpus acutus</i> Muhlenberg	26458	native	Bulrush	4
Cyperaceae	<i>Scirpus atrovirens</i> Willdenow	26453	native	Bulrush	4
Cyperaceae	<i>Scirpus cyperinus</i> (L.) Kunth	26752	native	Bulrush	4
Cyperaceae	<i>Scirpus fluviatilis</i> (Torrey) Gray	26457	native	Bulrush	4
Dioscoreaceae	<i>Dioscorea villosa</i> L.	26400	native	Wild Yam	1,4
Dryopteridaceae	<i>Onoclea sensibilis</i> L.	26197	native	Sensitive Fern	1
Ebenaceae	<i>Diospyros virginiana</i> L.	26450	native	Persimmon	1
Euphorbiaceae	<i>Acalypha rhomboidea</i> Rafinesque	26810	native	Three-seeded Mercury	1,3
Euphorbiaceae	<i>Chamaesyce humistrata</i> (Engelmann) Small	26834	native	Milk Spurge	7,8
Euphorbiaceae	<i>Chamaesyce maculata</i> (L.) Small	26801	native	Milk Spurge	7,8
Euphorbiaceae	<i>Chamaesyce nutans</i> (Lag.) Small	26777	native	Nodding Spurge	7,8
Euphorbiaceae	<i>Croton glandulosus</i> L. var. <i>septentrionalis</i> Mueller-Arg.	26820	native	Sand Croton	8
Euphorbiaceae	<i>Euphorbia corollata</i> L.	26816	native	Flowering Spurge	5
Euphorbiaceae	<i>Phyllanthus caroliniensis</i> Walter	26846	native	Phyllanthus	1
Fabaceae	<i>Amorpha fruticosa</i> L.	26451	native	False Indigo	4,5,6
Fabaceae	<i>Amphicarpaea bracteata</i> (L.) Fernald	26861	native	Hog Peanut	1
Fabaceae	<i>Apios americana</i> Medicus	26795	native	Groundnut	2,4
Fabaceae	<i>Cercis canadensis</i> L.	26193	native	Redbud	1
Fabaceae	<i>Chamaecrista fasciculata</i> (Michaux) Greene	26716	native	Partridge Pea	5,8
Fabaceae	<i>Desmodium illinoense</i> Gray	26717	native	Illinois Tick Trefoil	5
Fabaceae	<i>Desmodium paniculatum</i> (L.) de Candolle	26784	native	Panicled Tick Trefoil	8
Fabaceae	<i>Gleditsia triacanthos</i> L.	26309	native	Honey Locust	1,2
Fabaceae	<i>Glycine max</i> (L.) Merrill	26833	introduced	Soybean	8

Fabaceae	<i>Kummerowia stipulacea</i> (Maximowicz) Makino	26715	introduced	Korean Bush Clover	8
Fabaceae	<i>Lespedeza virginica</i> (L.) Britton	26783	native	Slender Bush Clover	6
Fabaceae	<i>Melilotus alba</i> Medicus	26460	introduced	White Sweet Clover	6
Fabaceae	<i>Senna marilandica</i> (L.) Link	26746	native	Maryland Senna	6
Fabaceae	<i>Trifolium campestre</i> Schreber	26326	introduced	Low Hop Clover	8
Fabaceae	<i>Trifolium hybridum</i> L.	26707	Introduced	Alsike Clover	8
Fabaceae	<i>Trifolium pratense</i> L.	26297	introduced	Red Clover	8
Fagaceae	<i>Quercus bicolor</i> Willdenow	27043	native	Swamp White Oak	1
Fagaceae	<i>Quercus imbricaria</i> Michaux	26154	native	Shingle Oak	6,8
Fagaceae	<i>Quercus macrocarpa</i> Michaux	27042	native	Bur Oak	1
Fagaceae	<i>Quercus palustris</i> Muenchh.	26767	native	Pin Oak	1,2
Fagaceae	<i>Quercus shumardii</i> Buckley	26856	native	Shumard's Oak	1
Geraniaceae	<i>Geranium carolinianum</i> L.	26301	native	Wild Cranesbill	6,7,8
Geraniaceae	<i>Geranium maculatum</i> L.	26155	native	Wild Geranium	1
Haloragaceae	<i>Proserpinaca palustris</i> L.	26833	native	Mermaid-weed	4
Hamamelidaceae	<i>Liquidambar styraciflua</i> L.	26853	native	Sweet Gum	1
Iridaceae	<i>Iris virginica</i> L. var. <i>shrevei</i> (Small) E. Anderson	26338	native	Wild Blue Iris	2,4,5
Iridaceae	<i>Sisyrinchium angustifolium</i> Miller	26339	native	Blue-eyed Grass	5
Isoëtaceae	<i>Isoëtes melanopoda</i> Gay & Durieu	26418	native	Black Quillwort	1,7
Juglandaceae	<i>Carya cordiformis</i> (Wang.) K. Koch	26714	native	Bitternut Hickory	1,8
Juglandaceae	<i>Carya illinoensis</i> (Wangenheim) K. Koch	26843	native	Pecan	1
Juglandaceae	<i>Carya laciniosa</i> (Michaux) Loudon	26855	native	Kingnut Hickory	1
Juglandaceae	<i>Carya tomentosa</i> (Poiret) Nuttall	26800	native	Mockernut Hickory	1
Juglandaceae	<i>Juglans nigra</i> L.	26860	native	Black Walnut	1
Juncaceae	<i>Juncus biflorus</i> Elliott	26385	native	Rush	5
Juncaceae	<i>Juncus interior</i> Wiegand	26828	native	Inland Rush	5
Juncaceae	<i>Juncus tenuis</i> Willdenow	26431	native	Path Rush	6,8
Lamiaceae	<i>Lamium amplexicaule</i> L.	26158	introduced	Henbit	7,8
Lamiaceae	<i>Lamium purpureum</i> L.	26157	introduced	Purple Dead Nettle	7,8
Lamiaceae	<i>Lycopus rubellus</i> Moench.	26848	native	Stalked Water Horehound	1,2
Lamiaceae	<i>Monarda fistulosa</i> L.	26745	native	Wild Bergamont	6

Lamiaceae	<i>Physostegia virginiana</i> (L.) Bentham ssp. <i>virginiana</i>	26877	native	False Dragonhead	1
Lamiaceae	<i>Prunella vulgaris</i> L.	26711	introduced	Self-heal	6,8
Lamiaceae	<i>Scutellaria lateriflora</i> L.	26760	native	Mad-dog Skullcap	1,4
Lamiaceae	<i>Stachys tenuifolia</i> Willdenow var. <i>tenuifolia</i>	26763	native	Smooth Hedge Nettle	1
Lamiaceae	<i>Teucrium canadense</i> L. var. <i>virginicum</i> (L.) Eaton	26765	native	Germander	1,4,6
Lauraceae	<i>Lindera benzoin</i> (L.) Blume	26185	native	Spicebush	1
Lauraceae	<i>Sassafras albidum</i> (Nuttall) Nees	26153	native	Sassafras	6
Lemnaceae	<i>Lemna minor</i> L.	27039	native	Duckweed	3,4
Lemnaceae	<i>Spirodela polyrhiza</i> (L.) Schleiden	27038	native	Duckweed	3,4
Liliaceae	<i>Allium canadense</i> L.	26331	native	Wild Onion	5,6,7,8
Liliaceae	<i>Allium vineale</i> L.	26442	introduced	Field Garlic	7,8
Liliaceae	<i>Ornithogalum umbellatum</i> L.	26330	introduced	Star-of-Bethlehem	5
Liliaceae	<i>Polygonatum biflorum</i> (Walter) Elliott	26317	native	Solomon's Seal	1
Liliaceae	<i>Uvularia sessilifolia</i> L.	26316	native	Sessile-leaved Bellwort	1
Lythraceae	<i>Ammannia coccinea</i> Rottboell	26827	native	Large-leaved Ammannia	4,8
Lythraceae	<i>Lythrum alatum</i> Pursh	26719	native	Winged Loosestrife	8
Malvaceae	<i>Abutilon theophrasti</i> Medicus	26802	introduced	Velvet-leaf	7
Malvaceae	<i>Hibiscus laevis</i> All.	26755	native	Halberd-leaved Rose	4
				Mallow	
Malvaceae	<i>Hibiscus lasiocarpus</i> Cavanilles	26826	native	Hairy Rose Mallow	4
Malvaceae	<i>Sida spinosa</i> L.	26790	introduced	Prickly Sida	7,8
Menispermaceae	<i>Menispermum canadense</i> L.	26421	native	Moonseed	1
Molluginaceae	<i>Mollugo verticillatus</i> L.	26876	introduced	Carpetweed	7,8
Moraceae	<i>Maclura pomifera</i> (Rafinesque) Schneider	26315	introduced	Osage Orange	1
Moraceae	<i>Morus alba</i> L.	26342	introduced	White Mulberry	8
Moraceae	<i>Morus rubra</i> L.	26319	native	Red Mulberry	1
Nyssaceae	<i>Nyssa sylvatica</i> Marshall	26319	native	Sour Gum	1
Oleaceae	<i>Fraxinus pennsylvanica</i> Marshall	26378	native	Green Ash	1,2,4
Onagraceae	<i>Ludwigia alternifolia</i> L.	26749	native	Seedbox	4
Onagraceae	<i>Ludwigia palustris</i> (L.) Elliott var. <i>americana</i> (DC.) Fernald & Griscom	26850	native	Marsh Purslane	4
Onagraceae	<i>Ludwigia polycarpa</i> Short & Peter	26726	native	False Loosestrife	4
Onagraceae	<i>Oenothera biennis</i> L.	26817	native	Evening Primrose	6,7

Onagraceae	<i>Oenothera laciniata</i> Hill	26447	native	Ragged Evening Primrose	7,8
Onagraceae	<i>Oenothera pilosella</i> Raf.	26435	native	Prairie Sundrops	7,8
Ophioglossaceae	<i>Botrychium dissectum</i> Sprengel	26878	native	Cut-leaved Grape Fern	1
Ophioglossaceae	<i>Botrychium virginianum</i> (L.) Swartz	26146	native	Rattlesnake Fern	1
Osmundaceae	<i>Osmunda regalis</i> L. var. <i>spectabilis</i> (Willdenow) A. Gray	26307	native	Royal Fern	1
Oxalidaceae	<i>Oxalis dillenii</i> Jacquin	26333	native	Yellow Wood Sorrel	7,8
Phytolaccaceae	<i>Phytolacca americana</i> L.	26397	native	Pokeweed	1
Plantaginaceae	<i>Plantago lanceolata</i> L.	26328	introduced	Plantain	5,8
Plantaginaceae	<i>Plantago rugelii</i> Dcne.	26734	native	Rugel's Plantain	7,8
Plantaginaceae	<i>Plantago virginica</i> L.	26162	native	Dwarf Plantain	7,8
Poaceae	<i>Agropyron repens</i> (L.) Beauvois	26442	introduced	Quack Grass	7,8
Poaceae	<i>Agrostis perennans</i> (Walter) Tuckerman	26806	native	Upland Bent Grass	8
Poaceae	<i>Alopecurus carolinianus</i> Walter	26169	native	Common Foxtail	7,8
Poaceae	<i>Andropogon gerardii</i> Vitman	26788	native	Big Bluestem	5
Poaceae	<i>Bromus racemosus</i> L.	26446	introduced	Smooth Chess	7,8
Poaceae	<i>Chasmanthium latifolium</i> (Michaux) Yates	26762	native	Sea Oats	1
Poaceae	<i>Cinna arundinacea</i> L.	26705	native	Stout Wood Reed	1,2
Poaceae	<i>Dactylis glomerata</i> L.	26396	introduced	Orchard Grass	5,8
Poaceae	<i>Digitaria ischaemum</i> (Schreb.) Schreber ex Muhlenberg	26805	introduced	Smooth Crab Grass	6,7,8
Poaceae	<i>Digitaria sanguinalis</i> (L.) Scopoli	26709	introduced	Hairy crabgrass	6,7,8
Poaceae	<i>Echinochloa muricata</i> (Beauvois) Fernald var. <i>muricata</i>	26735	native	Barnyard Grass	8
Poaceae	<i>Eleusine indica</i> (L.) Gaertner	26733	introduced	Goose Grass	8
Poaceae	<i>Elymus canadensis</i> L.	26699	native	Nodding Wild Rye	5
Poaceae	<i>Elymus virginicus</i> L.	26758	native	Virginia Wild Rye	1,2,4,5
Poaceae	<i>Eragrostis cilianensis</i> (All.) Mosher	26731	introduced	Stinking Love Grass	8
Poaceae	<i>Eragrostis hypnoides</i> (Lamarck) BSP	26858	native	Pony Grass	1
Poaceae	<i>Eragrostis pectinacea</i> (Michaux) Nees	26736	native	Small Love Grass	7,8
Poaceae	<i>Festuca obtusa</i> Biehler	26318	native	Nodding Fescue	1
Poaceae	<i>Festuca pratensis</i> Hudson	26298	introduced	Meadow Fescue	8
Poaceae	<i>Hordeum pusillum</i> Nuttall	26299	native	Little Barley	7,8
Poaceae	<i>Leersia lenticularis</i> Michaux	26847	native	Catchfly Grass	1,2,3,4

Poaceae	<i>Leersia oryzoides</i> (L.) Swartz	26874	native	Rice Cutgrass	4
Poaceae	<i>Leersia virginica</i> Willdenow	26769	native	White Grass	1,2,4
Poaceae	<i>Leptochloa fascicularis</i> (Lamarck) Gray	26730	native	Salt Meadow Grass	8
Poaceae	<i>Muhlenbergia bushii</i> Pohl	27029	native	Muhly	1
Poaceae	<i>Muhlenbergia frondosa</i> (Poiret) Fernald	27041	native	Muhly	6
Poaceae	<i>Panicum clandestinum</i> L.	26452	native	Broad-leaved Panic Grass	6
Poaceae	<i>Panicum dichotomiflorum</i> Michaux	26838	native	Fall Panicum	7,8
Poaceae	<i>Panicum lanuginosum</i> Elliott var. <i>lindheimeri</i> (Nash) Fernald	26381	native	Panic Grass	5
Poaceae	<i>Panicum rigidulum</i> Nees var. <i>rigidulum</i>	26842	native	Munro Grass	1
Poaceae	<i>Panicum virgatum</i> L.	26700	native	Switch Grass	4,5
Poaceae	<i>Paspalum ciliatifolium</i> Michaux	26778	native	Beadgrass	8
Poaceae	<i>Paspalum fluitans</i> (Elliott) Dunth	26865	native	Swamp Beadgrass	1,3
Poaceae	<i>Paspalum laeve</i> Michaux	26725	native	Beadgrass	8
Poaceae	<i>Paspalum pubiflorum</i> Rupr. ex Fourn. var. <i>glabrum</i> (Vasey) Vasey ex Scribner	26780	native	Beadgrass	8
Poaceae	<i>Phleum pratense</i> L.	26395	introduced	Timothy	5,8
Poaceae	<i>Poa chapmaniana</i> Scribner	26168	native	Annual Bluegrass	7,8
Poaceae	<i>Poa pratensis</i> L.	26300	introduced	Kentucky Bluegrass	5,6,8
Poaceae	<i>Schizachyrium scoparium</i> (Michaux) Nash	26698	native	Little Bluestem	5
Poaceae	<i>Setaria faberi</i> Herrmann	26710	introduced	Giant Foxtail	7,8
Poaceae	<i>Setaria glauca</i> (L.) Beauvois	26815	introduced	Yellow Foxtail	8
Poaceae	<i>Setaria viridis</i> (L.) Beauvois	26869	introduced	Green Foxtail	1,7
Poaceae	<i>Setaria viridis</i> (L.) Beauvois var. <i>major</i> (Gaudin) Pospichal	26836	introduced	Giant Green foxtail	7
Poaceae	<i>Sorghastrum nutans</i> (L.) Nash	26702	native	Indian Grass	5
Poaceae	<i>Spartina pectinata</i> Link.	26753	native	Prairie Cordgrass	4
Poaceae	<i>Sphenopholis obtusata</i> (Michaux) Scribner var. <i>major</i> (Torrey) Erdman	26295	native	Prairie Wedge Grass	1
Poaceae	<i>Tridens flavus</i> (L.) Hitchcock	26785	native	Purple-top	5,6,8
Poaceae	<i>Zea mays</i> L.	26804	introduced	Corn	8
Polemoniaceae	<i>Phlox divaricata</i> L. spp. <i>laphamii</i> (Wood) Wherry	26194	native	Blue Phlox	1
Polygonaceae	<i>Polygonum amphibium</i> L.	26727	native	Water Smartweed	4,8

Polygonaceae	<i>Polygonum aviculare</i> L.	26808	introduced	Knotweed	7,8
Polygonaceae	<i>Polygonum buxiforme</i> Small	26807	native	Knotweed	7,8
Polygonaceae	<i>Polygonum caespitosum</i> Blume var. <i>longisetum</i> (de Bruyon) A.N. Steward	26844	introduced	Creeping Smartweed	1,4
Polygonaceae	<i>Polygonum hydropiperoides</i> Michaux	26748	native	Mild Water Pepper	3,4
Polygonaceae	<i>Polygonum pensylvanicum</i> L.	26796	native	Common Smartweed	2,4,8
Polygonaceae	<i>Polygonum punctatum</i> Elliott	26799	native	Smartweed	1,4,8
Polygonaceae	<i>Polygonum ramosissimum</i> Michaux	26791	native	Knotweed	1,8
Polygonaceae	<i>Polygonum scandens</i> L.	26881	native	False Buckwheat	2,6,7
Polygonaceae	<i>Polygonum virginianum</i> L.	26849	native	Virginia Knotweed	1
Polygonaceae	<i>Rumex acetosella</i> L.	26443	introduced	Sour Dock	6,7,8
Polygonaceae	<i>Rumex altissimus</i> Wood	26163	native	Pale Dock	4,6
Polygonaceae	<i>Rumex crispus</i> L.	26427	introduced	Curly Dock	1,6
Polygonaceae	<i>Rumex verticillatus</i> L.	26401	native	Swamp Dock	1,2,3,4
Portulacaceae	<i>Claytonia virginica</i> L.	26188	native	Spring Beauty	1
Primulaceae	<i>Lysimachia ciliata</i> L.	26441	native	Fringed Loosestrife	1,2,4,6
Primulaceae	<i>Samolus valerandii</i> L.	26728	native	Brookweed	2,4
Ranunculaceae	<i>Anemone canadensis</i> L.	26334	native	Meadow Anemone	8
Ranunculaceae	<i>Clematis pitcheri</i> Torrey & Gray	26438	native	Leatherflower	1
Ranunculaceae	<i>Myosurus minimus</i> L.	26167	native	Mousetail	7
Ranunculaceae	<i>Ranunculus hispidus</i> Michaux var. <i>nitidus</i> (Champman) T. Duncan	26198	native	Rough Buttercup	1
Ranunculaceae	<i>Ranunculus micranthus</i> Nuttall	26196	native	Small-flowered Buttercup	1,2
Rosaceae	<i>Agrimonia pubescens</i> Wallroth	26708	native	Soft Agrimony	1
Rosaceae	<i>Crataegus crus-galli</i> L.	26399; 26413	native	Cock-spur Thorn	1,2
Rosaceae	<i>Crataegus mollis</i> (Torrey & Gray) Scheele	26195	native	Red Haw	1,2
Rosaceae	<i>Fragaria virginiana</i> Duchesne	26152	native	Wild Strawberry	5,6,8
Rosaceae	<i>Geum canadense</i> Jacquin	26412	native	White Avens	1,2
Rosaceae	<i>Geum vernum</i> (Rafinesque) Torrey & Gray	26150	native	Spring Avens	1
Rosaceae	<i>Potentilla norvegica</i> L.	26879	introduced	Rough Cinquefoil	1,8
Rosaceae	<i>Potentilla recta</i> L.	26394	introduced	Sulfur Cinquefoil	5,6,8
Rosaceae	<i>Potentilla simplex</i> Michaux	26337	native	Common Cinquefoil	6,8
Rosaceae	<i>Prunus hortulana</i> Bailey	26190	native	Wild Goose Plum	1
Rosaceae	<i>Prunus serotina</i> Ehrhart	26156	native	Wild Black Cherry	6,8

Rosaceae	<i>Rosa carolina</i> L.	26434	native	Pasture Rose	6
Rosaceae	<i>Rosa setigera</i> Michaux	26433	native	Prairie Rose	3,4
Rosaceae	<i>Rubus flagellaris</i> Willdenow	26149	native	Common Dewberry	6,8
Rosaceae	<i>Rubus pensylvanicus</i> Poiret	26313	native	Blackberry	1,5,6
Rubiaceae	<i>Cephalanthus occidentalis</i> L.	26747	native	Buttonbush	1,2,3,4
Rubiaceae	<i>Galium aparine</i> L.	26296	native	Goosegrass	1,8
Rubiaceae	<i>Galium obtusum</i> Bigelow	26416	native	Wild Madder	1,4
Rubiaceae	<i>Galium pedemontanum</i> (Bellardi) Allioni	26393	introduced	Bedstraw	5
Rubiaceae	<i>Spermacoce glabra</i> Michaux	26770	native	Smooth Buttonweed	1,3
Salicaceae	<i>Populus deltoides</i> Marshall	26183	native	Cottonwood	1,2,
Salicaceae	<i>Populus heterophylla</i> L.	26377	native	Swamp Cottonwood	4
Salicaceae	<i>Salix exigua</i> Nuttall	26148	native	Sandbar Willow	2,4,8
Salicaceae	<i>Salix nigra</i> Marshall	26184	native	Black Willow	2,3,4,8
Saururaceae	<i>Saururus cernuus</i> L.	26756	native	Lizard's tail	1,2,3,4
Saxifragaceae	<i>Penthorum sedoides</i> L.	26809	native	Ditch Stonecrop	1,3,4
Scrophulariaceae	<i>Agalinis tenuifolia</i> (Vahl) Rafinesque	26841	native	Slender False Foxglove	5
Scrophulariaceae	<i>Chelone obliqua</i> L. var. <i>speciosa</i> Pennell & Wherry	26873	native	Pink Turtlehead	1,4
Scrophulariaceae	<i>Gratiola neglecta</i> Torrey	26417-A	native	Clammy Hedge Hyssop	7,8
Scrophulariaceae	<i>Leucospora multifida</i> (Michaux) Nuttall	26732	native	Leucospora	4,8
Scrophulariaceae	<i>Lindernia dubia</i> (L.) Pennell var. <i>anagallidea</i> (Michaux) Cooperrider	26417-B	native	Slender False Pimpernell	7,8
Scrophulariaceae	<i>Mimulus alatus</i> Aiton	26773	native	Winged Monkey-flower	1,4
Scrophulariaceae	<i>Penstemon digitalis</i> Nuttall	26420	native	Foxglove Beardstongue	1,8
Scrophulariaceae	<i>Penstemon laevigatus</i> Aiton	26340	native	Beardstongue	5,8
Scrophulariaceae	<i>Veronica arvensis</i> L.	26172	introduced	Corn Speedwell	7,8
Scrophulariaceae	<i>Veronica peregrina</i> L.	26173	native	Purslane Speedwell	7,8
Smilacaceae	<i>Smilax ecirrhata</i> Kunth	26426	native	Carrion Flower	1
Smilacaceae	<i>Smilax hispida</i> Muhlenberg	26312	native	Bristly Catbrier	1
Smilacaceae	<i>Smilax lasioneuron</i> Hooker	26311	native	Carrion Flower	1
Solanaceae	<i>Datura stramonium</i> L.	26803	introduced	Jimsonweed	8
Solanaceae	<i>Physalis heterophylla</i> Nees	26459	native	Ground Cherry	6
Solanaceae	<i>Physalis longifolia</i> Nuttall var. <i>subglabrata</i> (MacKenzie & Bush) Cronquist	26862	native	Ground Cherry	1
Solanaceae	<i>Solanum carolinense</i> L.	27622	introduced	Horse Nettle	7,8

Solanaceae	<i>Solanum ptycanthum</i> Dunal	26880	native	Black Nightshade	7,8
Ulmaceae	<i>Celtis laevigata</i> Willdenow	27031	native	Sugarberry	1
Ulmaceae	<i>Celtis occidentalis</i> L.	26882	native	Hackberry	1
Ulmaceae	<i>Ulmus americana</i> L.	26147	native	American Elm	1
Urticaceae	<i>Boehmeria cylindrica</i> (L.) Swartz	26759	native	False Nettle	1,2,4
Urticaceae	<i>Laportea canadensis</i> (L.) Weddell	26845	native	Wood Nettle	1,2
Urticaceae	<i>Parietaria pensylvanica</i> Muhlenberg	26320	native	Pellitory	1
Urticaceae	<i>Pilea pumila</i> (L.) Gray	26812	native	Clearweed	1,2,4
Valerianaceae	<i>Valerianella radiata</i> (L.) Dufresne	26336	native	Corn Salad	8
Verbenaceae	<i>Phyla lanceolata</i> Loureiro	26379	native	Frog-fruit	4,8
Verbenaceae	<i>Verbena urticifolia</i> L.	26823	native	Hairy White Vervain	6
Violaceae	<i>Viola missouriensis</i> Greene	26329	native	Missouri Violet	1,4,5,8
Violaceae	<i>Viola rafinesquii</i> Greene	26170	introduced	Johnny-jump-up	5,6,7
Vitaceae	* <i>Ampelopsis cordata</i> Michaux	26798	native	Raccoon Grape	1,2
Vitaceae	<i>Vitis cinerea</i> Engelmann	26436	native	Winter Grape	1

*Communities

Forest

1. wet-mesic floodplain forest
2. wet floodplain forest

Wetland

3. shrub swamp
4. marsh

Cultural

5. prairie planting
6. successional field
7. cropland
8. roadside