

¹Native Plant Community Species Lists for East-central Minnesota

Class: Southern Wet-Mesic Hardwood Forest MHs49

SOUTHERN WET-MESIC HARDWOOD FOREST										
Genus	Species		Variety or Subspecies	Species Author	Variety or Subspecies Author	Common Name	² Rarity Status	³ Freq	⁴ Abund	⁵ Index
Canopy Trees (>10 m)										
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		100	18	1800
<i>Tilia</i>	<i>americana</i>			L.		Basswood		100	16	1600
<i>Acer</i>	<i>negundo</i>			L.		Box elder		57	24	1368
<i>Acer</i>	<i>saccharum</i>			Marsh.		Sugar maple		29	39	1131
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		43	12	516
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		43	10	430
<i>Celtis</i>	<i>occidentalis</i>			L.		Hackberry		57	6	342
<i>Carya</i>	<i>cordiformis</i>			(Wang.) K. Koch		Bitternut hickory		14	15	210
<i>Ulmus</i>	<i>thomasii</i>			Sarg.		Rock elm		14	5	70
<i>Ostrya</i>	<i>virginiana</i>			(Mill.) K. Koch		Ironwood		14	5	70
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		14	3	42
<i>Ulmus</i>	<i>americana</i>			L.		American elm		29	1	29
<i>Quercus</i>	<i>macrocarpa</i>			Michx.		Bur oak		14	1	14
<i>Populus</i>	<i>deltoides</i>	ssp.	<i>monilifera</i>	Marsh.	(Ait.) Eckenw.	Cottonwood		14	1	14
Understory Trees										
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		71	27	1917
<i>Acer</i>	<i>saccharum</i>			Marsh.		Sugar maple		57	30	1710
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		86	10	860
<i>Celtis</i>	<i>occidentalis</i>			L.		Hackberry		100	8	800
<i>Ostrya</i>	<i>virginiana</i>			(Mill.) K. Koch		Ironwood		71	8	568
<i>Tilia</i>	<i>americana</i>			L.		Basswood		57	10	570
<i>Carya</i>	<i>cordiformis</i>			(Wang.) K. Koch		Bitternut hickory		57	9	513
<i>Acer</i>	<i>negundo</i>			L.		Box elder		57	6	342
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		57	6	342
<i>Ulmus</i>	<i>thomasii</i>			Sarg.		Rock elm		29	9	261
<i>Carpinus</i>	<i>caroliniana</i>	ssp.	<i>virginiana</i>	Walt.	(Marsh.) Furlow	Blue beech		14	15	210
<i>Ulmus</i>	<i>americana</i>			L.		American elm		43	3	129
<i>Quercus</i>	<i>rubra</i>			L.		Northern red oak		43	2	86
<i>Populus</i>	<i>tremuloides</i>			Michx.		Quaking aspen		14	3	42

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<i>Populus</i>	<i>deltoidea</i>	ssp.	<i>monilifera</i>	Marsh.	(Ait.) Eckenw.	Cottonwood		14	3	42
<i>Prunus</i>	<i>serotina</i>			Ehrh.		Black cherry		14	3	42
Shrubs										
<i>Prunus</i>	<i>virginiana</i>			L.		Chokecherry		86	15	1290
<i>Sambucus</i>	<i>racemosa</i>			L.		Red-berried Elder		29	21	609
<i>Ribes</i>	<i>missouriense</i>			Nutt.		Missouri gooseberry		57	10	570
<i>Ribes</i>	<i>cynosbati</i>			L.		Prickly gooseberry		57	7	399
<i>Crataegus</i>	<i>punctata</i>			Jacq.		Hawthorn		29	9	261
<i>Cornus</i>	<i>alternifolia</i>			L. f.		Pagoda dogwood		57	3	171
<i>Viburnum</i>	<i>lentago</i>			L.		Nannyberry		29	3	87
<i>Zanthoxylum</i>	<i>americanum</i>			Mill.		Prickly ash		29	2	58
<i>Cornus</i>	<i>racemosa</i>			Lam.		Gray dogwood		14	3	42
<i>Diervilla</i>	<i>lonicera</i>			Mill.		Bush honeysuckle		14	3	42
Low Shrubs										
<i>Rubus</i>	<i>idaeus</i>	var.	<i>strigosus</i>	L.	(Michx.) Maxim	Red raspberry		29	3	87
Vines										
<i>Vitis</i>	<i>riparia</i>			Michx.		Wild grape		57	4	228
<i>Menispermum</i>	<i>canadense</i>			L.		Canada moonseed		29	4	116
<i>Parthenocissus</i>	<i>spp.</i>					Virginia creeper		43	2	86
<i>Smilax</i>	<i>hispida</i>			Torr.		Green-briar		14	3	42
<i>Celastrus</i>	<i>scandens</i>			L.		Climbing bittersweet		14	1	14
Forbs										
<i>Hydrophyllum</i>	<i>virginianum</i>			L.		Virginia waterleaf		86	23	1978
<i>Laportea</i>	<i>canadensis</i>			(L.) Wedd.		Wood-nettle		71	21	1491
<i>Enemion</i>	<i>bitermatum</i>			(Raf.)		False rue-anemone		57	13	741
<i>Galium</i>	<i>aparine</i>			L.		Cleavers		100	5	500
<i>Erythronium</i>	<i>albidum</i>			Nutt.		White trout-lily		43	11	473
<i>Asarum</i>	<i>canadense</i>			L.		Wild ginger		86	4	344
<i>Sanguinaria</i>	<i>canadensis</i>			L.		Bloodroot		43	7	301
<i>Osmorhiza</i>	<i>longistylis</i>			(Torr.) DC.		Anise-root		29	9	261
<i>Geum</i>	<i>canadense</i>			Jacq.		White avens		71	3	213
<i>Viola</i>	<i>cm1</i>					Violet		57	4	228
<i>Sanicula</i>	<i>marilandica</i>			L.		Mariland black snakeroot		14	15	210
<i>Geranium</i>	<i>maculatum</i>			L.		Wild geranium		71	3	213
<i>Caulophyllum</i>	<i>thalictroides</i>			(L.) Michx.		Blue cohosh		57	3	171
<i>Uvularia</i>	<i>grandiflora</i>			Sm.		Yellow bellwort		57	3	171
<i>Phlox</i>	<i>divaricata</i>	ssp.	<i>laphamii</i>	L.	(Wood) Wherry	Blue phlox		43	4	172

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<i>Dicentra</i>	<i>cucullaria</i>			(L.) Bernh.		Dutchman's-breeches	43	4	172
<i>Ranunculus</i>	<i>abortivus</i>			L.		Kidney-leaf buttercup	57	3	171
<i>Urtica</i>	<i>dioica</i>	ssp.	<i>gracilis</i>	L.	(Ait.) Selander	Stinging nettle	57	3	171
<i>Viola</i>	<i>cm4</i>					Violet	43	3	129
<i>Rudbeckia</i>	<i>laciniata</i>			L.		Goldenglow	43	3	129
<i>Solidago</i>	<i>flexicaulis</i>			L.		Zig-zag goldenrod	43	3	129
<i>Allium</i>	<i>tricoccum</i>			Ait.		Wild leek	43	3	129
<i>Thalictrum</i>	<i>dioicum</i>			L.		Early meadow-rue	43	3	129
<i>Circaea</i>	<i>lutetiana</i>	ssp.	<i>canadensis</i>	L.	(L.) Asch. & Magnus	Canada enchanter's nightshade	29	4	116
<i>Claytonia</i>	<i>virginica</i>			L.		Virginia spring-beauty	29	4	116
<i>Anemone</i>	<i>quinquefolia</i>	var.	<i>bifolia</i>	L.	Farw.	Wood-anemone	29	4	116
<i>Smilax</i>	<i>cmx.</i>					Carrion-flower	43	2	86
<i>Ranunculus</i>	<i>hispidus</i>			Michx.		Hispid buttercup	29	3	87
<i>Galium</i>	<i>triflorum</i>			Michx.		Three-flowered bedstraw	29	3	87
<i>Uvularia</i>	<i>sessilifolia</i>			L.		Pale bellwort	29	3	87
<i>Smilacina</i>	<i>racemosa</i>			(L.) Desf.		Racemose false Solomon's-seal	29	3	87
<i>Actaea</i>	<i>rubra</i>			(Ait.) Willd.		Red baneberry	14	5	70
<i>Anemone</i>	<i>canadensis</i>			L.		Canada anemone	14	5	70
<i>Arisaema</i>	<i>triphillum</i>			(L.) Schott		Jack-in-the-pulpit	29	2	58
<i>Pilea</i>	<i>spp.</i>					Clearweed	14	3	42
<i>Campanula</i>	<i>americana</i>			L.		Tall bellflower	14	3	42
<i>Cryptotaenia</i>	<i>canadensis</i>			(L.) DC.		Honewort	14	3	42
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	14	3	42
<i>Mitella</i>	<i>diphylla</i>			L.		Two-leaved miterwort	14	3	42
<i>Osmorhiza</i>	<i>claytonii</i>			(Michx.) Clarke		Clayton's sweet cicely	14	3	42
<i>Amphicarpaea</i>	<i>bracteata</i>			(L.) Fern.		Hog-peanut	14	3	42
<i>Allium</i>	<i>canadense</i>			L.		Wild garlic	14	3	42
<i>Aquilegia</i>	<i>canadensis</i>			L.		Columbine	14	3	42
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry	14	3	42
<i>Smilacina</i>	<i>stellata</i>			(L.) Desf.		Starry false Solomon's-seal	14	3	42
<i>Aster</i>	<i>cordifolius</i>			L.		Heart-leaved aster	14	3	42
<i>Hackelia</i>	<i>spp.</i>					Stickseed	14	1	14
<i>Trillium</i>	<i>cernuum</i>			L.		Nodding trillium	14	1	14
<i>Phryma</i>	<i>leptostachya</i>			L.		Lopseed	14	1	14
<i>Erigeron</i>	<i>philadelphicus</i>			L.		Philadelphia fleabane	14	1	14

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<i>Trillium</i>	<i>grandiflorum</i>			(Michx.) Salisb.		Large-flowered trillium		14	1	14
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Grasses, Rushes and Sedges										
<i>Carex</i>	<i>sprengelii</i>			Spreng.		Sprengel's sedge		43	8	344
<i>Carex</i>	<i>blanda</i>			Dewey		Charming sedge		29	10	290
<i>Carex</i>	<i>pennsylvanica</i>			Lam.		Pennsylvania sedge		43	5	215
<i>Elymus</i>	<i>hystrix</i>			L.		Bottlebrush grass		43	4	172
<i>Carex</i>	<i>amphibola</i>	var.	<i>turgida</i>	Steud.	Fern.	Ambiguous sedge		29	3	87
<i>Elymus</i>	<i>virginicus</i>			L.		Virginia wild rye		14	5	70
<i>Festuca</i>	<i>subverticillata</i>			(Pers.) E. Alexeev.		Nodding fescue		14	5	70
<i>Carex</i>	<i>sparganioides</i>			Muhl. ex Willd.		Sparganium-like sedge		14	5	70
<i>Carex</i>	<i>hirtifolia</i>			Mack.		Hairy-leaved sedge		29	2	58
<i>Brachyelytrum</i>	<i>erectum</i>			(Schreb.) Beauv.		Bearded shorthusk		14	3	42
<i>Carex</i>	<i>albursina</i>			Sheld.		White bear-sedge		14	3	42
<i>Carex</i>	<i>pedunculata</i>			Muhl. ex Willd.		Long-stalked sedge		14	3	42
Ferns and Fern Allies										
<i>Equisetum</i>	<i>hyemale</i>	var.	<i>affine</i>	L.	(Engelm.) A. A. Eat.	Tall scouring-rush		29	45	1305
<i>Matteuccia</i>	<i>struthiopteris</i>	var.	<i>pennsylvanica</i>	(L.) Todaro	(Willd.) Morton	Ostrich-fern		57	7	399
<i>Athyrium</i>	<i>filix-femina</i>	var.	<i>angustum</i>	(L.) Roth		Lady-fern		29	3	87

Exotic Invasive Species - Do Not Plant										
<i>Rhamnus</i>	<i>cathartica</i>			L.		Common buckthorn		57	9	513
<i>Lonicera</i>	<i>tatarica</i>			L.		Tartarian Honeysuckle		29	9	261
<i>Hesperis</i>	<i>matronalis</i>			L.		Dame's-rocket		29	9	261
<i>Taraxacum</i>	<i>spp.</i>					Common dandelion		43	2	86
<i>Glechoma</i>	<i>hederacea</i>			L.		Creeping Charlie		14	5	70
<i>Stellaria</i>	<i>aquatica</i>			(L.) Scop.		Giant chickweed		14	5	70
<i>Phalaris</i>	<i>arundinacea</i>			L.		Reed canary-grass		14	3	42
<i>Leonurus</i>	<i>cardiaca</i>			L.		Lion's ear		29	1	29
<i>Plantago</i>	<i>major</i>			L.		Common plantain		14	1	14

State Listed Rare Species - Do Not Plant Without a Permit

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<i>Juglans</i>	<i>cinerea</i>			L.		Butternut	SC	43	10	430
<i>Erythronium</i>	<i>propullans</i>			Gray		Minnesota dwarf trout-lily	E	29	5	145

¹See the report *Species Lists for Terrestrial and Palustrine Native Plant Communities in East-central Minnesota* for instructions for using these species lists

²Rarity Status: State-listed rare species. E - Endangered, T - Threatened, SC - Special Concern

³Frequency: Number of releve plots in which species occurs divided by total number of releve plots, multiplied by 100

⁴Abundance: Average percent cover of species within the community. It is most appropriate to interpret each value as a cover class similar to those used for original data collection (see text of report for more details)

⁵Index of Commonness: Frequency multiplied by Abundance