

<sup>1</sup>Native Plant Community Species Lists for East-central Minnesota

**Class: Central Mesic Hardwood Forest (Eastern) MHC36**

CENTRAL MESIC HARDWOOD FOREST (EASTERN)										
Genus	Species		Variety or Subspecies	Species Author	Variety or Subspecies Author	Common Name	<sup>2</sup> Rarity Status	<sup>3</sup> Freq	<sup>4</sup> Abund	<sup>5</sup> Index
<b>Canopy Trees (&gt;10 m)</b>										
<i>Quercus</i>	<i>rubra</i>			L.		Northern red oak		100	41	4100
<i>Tilia</i>	<i>americana</i>			L.		Basswood		80	30	2400
<i>Pinus</i>	<i>strobus</i>			L.		White pine		40	33	1320
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		20	15	300
<i>Celtis</i>	<i>occidentalis</i>			L.		Hackberry		20	15	300
<i>Quercus</i>	<i>alba</i>			L.		White oak		40	3	120
<i>Acer</i>	<i>saccharum</i>			Marsh.		Sugar maple		40	2	80
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		20	3	60
<i>Populus</i>	<i>grandidentata</i>			Michx.		Big-toothed aspen		20	3	60
<i>Carya</i>	<i>cordiformis</i>			(Wang.) K. Koch		Bitternut hickory		20	3	60
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		20	1	20
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		20	1	20
<i>Ostrya</i>	<i>virginiana</i>			(Mill.) K. Koch		Ironwood		20	1	20
<b>Understory Trees</b>										
<i>Acer</i>	<i>saccharum</i>			Marsh.		Sugar maple		60	38	2280
<i>Tilia</i>	<i>americana</i>			L.		Basswood		100	13	1300
<i>Ostrya</i>	<i>virginiana</i>			(Mill.) K. Koch		Ironwood		80	14	1120
<i>Celtis</i>	<i>occidentalis</i>			L.		Hackberry		40	19	760
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		80	6	480
<i>Quercus</i>	<i>rubra</i>			L.		Northern red oak		100	3	300
<i>Carya</i>	<i>cordiformis</i>			(Wang.) K. Koch		Bitternut hickory		20	15	300
<i>Prunus</i>	<i>serotina</i>			Ehrh.		Black cherry		60	3	180
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		40	4	160
<i>Carpinus</i>	<i>caroliniana</i>	ssp.	<i>virginiana</i>	Walt.	(Marsh.) Furlow	Blue beech		40	4	160
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		40	3	120
<i>Ulmus</i>	<i>americana</i>			L.		American elm		20	3	60
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		20	3	60
<i>Acer</i>	<i>negundo</i>			L.		Box elder		20	3	60
<i>Fraxinus</i>	<i>americana</i>			L.		White ash		20	3	60

<sup>1</sup>Native Plant Community Species Lists for East-central Minnesota

**Class: Central Mesic Hardwood Forest (Eastern) MHC36**

<i>Quercus</i>	<i>alba</i>			L.		White oak	20	3	60
<i>Pinus</i>	<i>strobus</i>			L.		White pine	20	1	20
<b>Shrubs</b>									
<i>Corylus</i>	<i>cornuta</i>			Marsh.		Beaked hazelnut	20	15	300
<i>Cornus</i>	<i>alternifolia</i>			L. f.		Pagoda dogwood	100	3	300
<i>Zanthoxylum</i>	<i>americanum</i>			Mill.		Prickly ash	80	4	320
<i>Ribes</i>	<i>cynosbati</i>			L.		Prickly gooseberry	60	3	180
<i>Viburnum</i>	<i>rafinesquianum</i>			Schultes		Downy arrow-wood	40	3	120
<i>Sambucus</i>	<i>racemosa</i>			L.		Red-berried Elder	20	5	100
<i>Prunus</i>	<i>virginiana</i>			L.		Chokecherry	40	2	80
<i>Amelanchier</i>	cmx.					Juneberry	20	3	60
<i>Sambucus</i>	<i>canadensis</i>			L.		Common Elder	20	3	60
<i>Crataegus</i>	cmx.					Hawthorn	20	1	20
<i>Corylus</i>	<i>americana</i>			Walt.		American hazelnut	20	1	20
<b>Low Shrubs</b>									
<i>Rubus</i>	<i>idaeus</i>	var.	<i>strigosus</i>	L.	(Michx.) Maxim	Red raspberry	20	3	60
<i>Rubus</i>	cm1					Blackberry	40	1	40
<i>Toxicodendron</i>	<i>rydbergii</i>				(Small) Greene	Poison ivy	20	1	20
<b>Vines</b>									
<i>Vitis</i>	<i>riparia</i>			Michx.		Wild grape	80	3	240
<i>Parthenocissus</i>	cmx.					Virginia creeper	100	2	200
<i>Smilax</i>	<i>hispida</i>			Torr.		Green-briar	20	3	60
<i>Celastrus</i>	<i>scandens</i>			L.		Climbing bittersweet	40	1	40
<b>Forbs</b>									
<i>Amphicarpaea</i>	<i>bracteata</i>			(L.) Fern.		Hog-peanut	100	5	500
<i>Urtica</i>	<i>dioica</i>	ssp.	<i>gracilis</i>	L.	(Ait.) Selander	Stinging nettle	60	7	420
<i>Osmorhiza</i>	<i>claytonii</i>			(Michx.) Clarke		Clayton's sweet cicely	80	5	400
<i>Circaea</i>	<i>lutetiana</i>	ssp.	<i>canadensis</i>	L.	(L.) Asch. & Magnus	Canada enchanter's nightshade	100	3	300
<i>Phryma</i>	<i>leptostachya</i>			L.		Lopseed	100	3	300
<i>Desmodium</i>	<i>glutinatum</i>			(Muhl. ex Willd.) Wood		Pointed-leaved tick-trefoil	100	3	300
<i>Aster</i>	<i>macrophyllus</i>			L.		Large-leaved aster	60	5	300
<i>Galium</i>	<i>triflorum</i>			Michx.		Three-flowered bedstraw	80	3	240
<i>Anemone</i>	<i>quinquefolia</i>	var.	<i>bifolia</i>	L.	Farw.	Wood-anemone	80	3	240
<i>Impatiens</i>	cmx.					Touch-me-not	60	3	180

<sup>1</sup>Native Plant Community Species Lists for East-central Minnesota

**Class: Central Mesic Hardwood Forest (Eastern) MHC36**

<i>Maianthemum</i>	<i>canadense</i>			Desf.		Canada mayflower		60	3	180
<i>Anemone</i>	<i>acutiloba</i>			(D.C.) Lawson		Sharp-lobed hepatica		40	4	160
<i>Thalictrum</i>	<i>dioicum</i>			L.		Early meadow-rue		40	4	160
<i>Polygonatum</i>	<i>pubescens</i>			(Willd.) Pursh		Hairy Solomon's-seal		60	2	120
<i>Arisaema</i>	<i>triphylllum</i>			(L.) Schott		Jack-in-the-pulpit		60	2	120
<i>Smilacina</i>	<i>racemosa</i>			(L.) Desf.		Racemose false Solomon's-seal		60	2	120
<i>Uvularia</i>	<i>sessilifolia</i>			L.		Pale bellwort		60	2	120
<i>Hackelia</i>	<i>cmx.</i>					Stickseed		60	2	120
<i>Aralia</i>	<i>nudicaulis</i>			L.		Wild sarsaparilla		40	3	120
<i>Geranium</i>	<i>maculatum</i>			L.		Wild geranium		40	3	120
<i>Uvularia</i>	<i>grandiflora</i>			Sm.		Yellow bellwort		40	3	120
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry		40	3	120
<i>Sanicula</i>	<i>gregaria</i>			Bickn.		Gregarious black snakeroot		40	3	120
<i>Solidago</i>	<i>flexicaulis</i>			L.		Zig-zag goldenrod		40	3	120
<i>Sanguinaria</i>	<i>canadensis</i>			L.		Bloodroot		40	3	120
<i>Eupatorium</i>	<i>rugosum</i>			Houtt.		Common snakeroot		20	5	100
<i>Smilax</i>	<i>cmx.</i>					Carrion-flower		60	2	120
<i>Aralia</i>	<i>racemosa</i>			L.		American spikenard		40	2	80
<i>Sanicula</i>	<i>marilandica</i>			L.		Mariland black snakeroot		40	2	80
<i>Geum</i>	<i>canadense</i>			Jacq.		White avens		40	2	80
<i>Viola</i>	<i>cm4</i>					Violet		40	2	80
<i>Pyrola</i>	<i>asarifolia</i>			Michx.		Pink-flowered pyrola		20	3	60
<i>Pyrola</i>	<i>elliptica</i>			Nutt.		Common pyrola		20	3	60
<i>Cryptotaenia</i>	<i>canadensis</i>			(L.) DC.		Honewort		20	3	60
<i>Hydrophyllum</i>	<i>virginianum</i>			L.		Virginia waterleaf		20	3	60
<i>Galium</i>	<i>aparine</i>			L.		Cleavers		20	3	60
<i>Aquilegia</i>	<i>canadensis</i>			L.		Columbine		20	3	60
<i>Oxalis</i>	<i>violacea</i>			L.		Violet wood-sorrel		20	3	60
<i>Apocynum</i>	<i>androsaemifolium</i>			L.		Spreading dogbane		20	1	20
<i>Caulophyllum</i>	<i>thalictroides</i>			(L.) Michx.		Blue cohosh		20	1	20
<i>Trillium</i>	<i>cernuum</i>			L.		Nodding trillium		20	1	20
<i>Polygonatum</i>	<i>biflorum</i>			(Walter) Elliott		Giant Solomon's-seal		20	1	20
<i>Actaea</i>	<i>rubra</i>			(Ait.) Willd.		Red baneberry		20	1	20
<i>Viola</i>	<i>cm3</i>					Dog violet		20	1	20
<i>Laportea</i>	<i>canadensis</i>			(L.) Wedd.		Wood-nettle		20	1	20
<i>Viola</i>	<i>cm1</i>					Violet		20	1	20

<sup>1</sup>Native Plant Community Species Lists for East-central Minnesota

**Class: Central Mesic Hardwood Forest (Eastern) MHC36**

<i>Cypripedium</i>	<i>calceolus</i>			L.	Yellow lady-slipper		20	1	20
<b>Grasses, Rushes and Sedges</b>									
<i>Carex</i>	<i>pennsylvanica</i>			Lam.	Pennsylvania sedge		80	6	480
<i>Carex</i>	<i>pedunculata</i>			Muhl. ex Willd.	Long-stalked sedge		80	4	320
<i>Oryzopsis</i>	<i>asperifolia</i>			Michx. (Schreb.) Beauv.	Mountain rice-grass		60	4	240
<i>Brachyelytrum</i>	<i>erectum</i>			Howe	Bearded shorthusk		20	5	100
<i>Carex</i>	<i>peckii</i>			(Wahlenb.) Small	Peck's sedge		40	2	80
<i>Carex</i>	<i>radiata</i>			(Smith) Ricker	Stellate sedge		40	2	80
<i>Oryzopsis</i>	<i>racemosa</i>			L.	Black-fruited rice-grass		20	3	60
<i>Elymus</i>	<i>virginicus</i>			(Walt.) BSP	Virginia wild rye		20	3	60
<i>Agrostis</i>	<i>hyemalis</i>			Schwein.	Twin bentgrass		20	1	20
<i>Carex</i>	<i>deweyana</i>				Dewey's sedge		20	1	20
<b>Ferns and Fern Allies</b>									
<i>Osmunda</i>	<i>claytoniana</i>			L.	Interrupted fern		40	9	360
<i>Athyrium</i>	<i>filix-femina</i>	var.	<i>angustum</i>	(L.) Roth	Lady-fern		80	4	320
<i>Equisetum</i>	<i>pratense</i>			Ehrh.	Meadow horsetail		20	5	100
<i>Botrychium</i>	<i>dissectum</i>			Spreng.	Dissected grapefern		40	2	80
<i>Adiantum</i>	<i>pedatum</i>			L.	Maidenhair fern		20	3	60
<i>Botrychium</i>	<i>virginianum</i>			(L.) Sw.	Rattlesnakefern		20	3	60
<b>Exotic Invasive Species - Do Not Plant</b>									
<i>Rhamnus</i>	<i>cathartica</i>			L.	Common buckthorn		60	2	120
<b>State Listed Rare Species - Do Not Plant Without a Permit</b>									
<i>Panax</i>	<i>quinquefolium</i>			L.	American ginseng	SC	60	2	120
<i>Juglans</i>	<i>cinerea</i>			L.	Butternut	SC	20	1	20

<sup>1</sup>Native Plant Community Species Lists for East-central Minnesota

**Class: Central Mesic Hardwood Forest (Eastern) MHC36**

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

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

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

<sup>4</sup>Abundance: 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)

<sup>5</sup>Index of Commonness: Frequency multiplied by Abundance