

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

**Class: Northern Very Wet Ash Swamp WFn64**

NORTHERN VERY WET ASH SWAMP										
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>Betula</i>	<i>alleghaniensis</i>			Britt.		Yellow birch		80	20	1600
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		100	14	1400
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		60	19	1140
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		80	6	480
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		40	9	360
<i>Larix</i>	<i>laricina</i>			(DuRoi) Koch		Tamarack		40	9	360
<i>Ulmus</i>	<i>americana</i>			L.		American elm		60	2	120
<b>Understory Trees</b>										
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		100	11	1100
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		100	8	800
<i>Betula</i>	<i>alleghaniensis</i>			Britt.		Yellow birch		60	11	660
<i>Ulmus</i>	<i>americana</i>			L.		American elm		60	7	420
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		60	5	300
<i>Larix</i>	<i>laricina</i>			(DuRoi) Koch		Tamarack		80	2	160
<i>Tilia</i>	<i>americana</i>			L.		Basswood		40	2	80
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		40	2	80
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		20	3	60
<i>Pinus</i>	<i>strobus</i>			L.		White pine		20	3	60
<i>Thuja</i>	<i>occidentalis</i>			L.		White cedar		20	3	60
<i>Prunus</i>	<i>serotina</i>			Ehrh.		Black cherry		40	1	40
<i>Ostrya</i>	<i>virginiana</i>			(Mill.) K. Koch		Ironwood		20	1	20
<b>Shrubs</b>										
<i>Alnus</i>	<i>incana</i>	ssp.	<i>rugosa</i>	(L.) Moench	(Du Roi) Clausen	Speckled alder		100	17	1700
<i>Ilex</i>	<i>verticillata</i>			(L.) Gray		Winterberry		100	6	600
<i>Toxicodendron</i>	<i>vernix</i>			(L.) Kuntze		Poison sumac		80	6	480
<i>Ribes</i>	<i>americanum</i>			Mill.		Wild black currant		80	6	480
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		80	3	240
<i>Ribes</i>	<i>cynosbati</i>			L.		Prickly gooseberry		60	3	180
<i>Cornus</i>	<i>racemosa</i>			Lam.		Gray dogwood		40	4	160
<i>Ribes</i>	<i>hirtellum</i>			Michx.		Swamp gooseberry		60	2	120
<i>Corylus</i>	<i>americana</i>			Walt.		American hazelnut		60	2	120
<i>Rhamnus</i>	<i>alnifolia</i>			L'Her		Alder-leaved buckthorn		40	3	120
<i>Cornus</i>	<i>alternifolia</i>			L. f.		Pagoda dogwood		40	3	120
<i>Lonicera</i>	<i>caerulea</i>	var.	<i>villosa</i>	L.	(Michx.) T. & G.	Mountain fly-honeysuckle		40	3	120

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<i>Viburnum</i>	<i>opulus</i>	var.	<i>americanum</i>	L.	Aiton	High-bush cranberry	60	2	120
<i>Ribes</i>	<i>triste</i>			Pall.		Swamp red currant	40	2	80
<i>Prunus</i>	<i>virginiana</i>			L.		Chokecherry	20	3	60
<i>Zanthoxylum</i>	<i>americanum</i>			Mill.		Prickly ash	40	1	40
<i>Viburnum</i>	<i>lentago</i>			L.		Nannyberry	40	1	40
<i>Rosa</i>	<i>cmx</i>					Wild rose	20	1	20
<i>Lonicera</i>	<i>dioica</i>			L.		Wild Honeysuckle	20	1	20
<i>Viburnum</i>	<i>rafinesquianum</i>			Schultes		Downy arrow-wood	20	1	20
<b>Low Shrubs</b>									
<i>Toxicodendron</i>	<i>rydbergii</i>			(Small) Greene		Poison ivy	60	3	180
<i>Rubus</i>	<i>idaeus</i>	var.	<i>strigosus</i>	L.	(Michx.) Maxim	Red raspberry	40	3	120
<i>Rubus</i>	<i>cm2</i>					Blackberry	20	1	20
<b>Vines</b>									
<i>Parthenocissus</i>	<i>vitacea</i>			(Kner) Hitchc.		Virginia creeper	80	4	320
<i>Vitis</i>	<i>riparia</i>			Michx.		Wild grape	20	3	60
<b>Forbs</b>									
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry	100	12	1200
<i>Pilea</i>	<i>cmx.</i>					Clearweed	100	11	1100
<i>Mitella</i>	<i>nuda</i>			L.		Naked miterwort	60	15	900
<i>Polygonum</i>	<i>arifolium</i>	var.	<i>pubescens</i>	L.	(Keller) Fern.	Halberd-leaved tearthumb	20	38	760
<i>Impatiens</i>	<i>cmx.</i>					Touch-me-not	100	6	600
<i>Maianthemum</i>	<i>canadense</i>			Desf.		Canada mayflower	100	4	400
<i>Aster</i>	<i>firmus</i>			Nees		Red-stemmed aster	80	4	320
<i>Lycopus</i>	<i>uniflorus</i>			Michx.		Northern bugleweed	80	4	320
<i>Bidens</i>	<i>spp.</i>					Beggar-ticks	60	4	240
<i>Aralia</i>	<i>nudicaulis</i>			L.		Wild sarsaparilla	80	3	240
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	60	4	240
<i>Trientalis</i>	<i>borealis</i>			Raf.		Starflower	60	3	180
<i>Arisaema</i>	<i>triphylum</i>			(L.) Schott		Jack-in-the-pulpit	60	3	180
<i>Circaea</i>	<i>alpina</i>			L.		Small enchanter's nightshade	40	4	160
<i>Caltha</i>	<i>palustris</i>			L.		Swamp marsh-marigold	40	4	160
<i>Solidago</i>	<i>canadensis</i>			L.		Canada goldenrod	40	4	160
<i>Anemone</i>	<i>quinquefolia</i>	var.	<i>bifolia</i>	L.	Farw.	Wood-anemone	40	4	160
<i>Galium</i>	<i>triflorum</i>			Michx.		Three-flowered bedstraw	60	2	120
<i>Epilobium</i>	<i>cm1</i>					Willow-herb	40	3	120
<i>Scutellaria</i>	<i>galericulata</i>			L.		Marsh skullcap	40	3	120
<i>Scutellaria</i>	<i>lateriflora</i>			L.		Mad-dog skullcap	40	3	120

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<i>Aster</i>	<i>borealis</i>			(T. & G.) Provanch.		Bog aster	40	3	120
<i>Cornus</i>	<i>canadensis</i>			L.		Bunchberry	40	3	120
<i>Viola</i>	cm2					Violet	20	5	100
<i>Boehmeria</i>	<i>cylindrica</i>			(L.) Sw.		False nettle	20	5	100
<i>Geranium</i>	<i>maculatum</i>			L.		Wild geranium	40	2	80
<i>Cicuta</i>	<i>bulbifera</i>			L.		Bulb-bearing water-hemlock	40	2	80
<i>Eupatorium</i>	<i>maculatum</i>			L.		Spotted Joe-pye weed	40	2	80
<i>Aster</i>	<i>lateriflorus</i>			(L.) Britt.		Side-flowering aster	40	2	80
<i>Viola</i>	cm3					Dog violet	20	3	60
<i>Typha</i>	<i>spp.</i>					Cattail	20	3	60
<i>Geum</i>	<i>canadense</i>			Jacq.		White avens	20	3	60
<i>Fragaria</i>	<i>vesca</i>	ssp.	<i>americana</i>	L.	(Porter) Staudt.	Wood strawberry	20	3	60
<i>Polygonum</i>	<i>sagittatum</i>			L.		Arrow-leaved tearthumb	20	3	60
<i>Galium</i>	<i>tinctorium</i>			L.		Small bedstraw	20	3	60
<i>Lysimachia</i>	<i>thyriflora</i>			L.		Tufted loosestrife	20	3	60
<i>Erigeron</i>	<i>philadelphicus</i>			L.		Philadelphia fleabane	20	3	60
<i>Prenanthes</i>	<i>alba</i>			L.		White rattlesnake-root	20	3	60
<i>Cirsium</i>	<i>muticum</i>			Michx.		Swamp thistle	20	3	60
<i>Polygonatum</i>	<i>pubescens</i>			(Willd.) Pursh		Hairy Solomon's-seal	20	3	60
<i>Cypripedium</i>	<i>calceolus</i>			L.		Yellow lady-slipper	20	3	60
<i>Ranunculus</i>	<i>recurvatus</i>			Poir.		Hooked crowfoot	20	3	60
<i>Clintonia</i>	<i>borealis</i>			(Ait.) Raf.		Bluebead lily	20	3	60
<i>Linnaea</i>	<i>borealis</i>	var.	<i>americana</i>	L.	(Forbes) Rehd.	Twinflower	20	3	60
<i>Solidago</i>	<i>uliginosa</i>			Nutt.		Bog goldenrod	20	3	60
<i>Senecio</i>	<i>aureus</i>			L.		Golden ragwort	20	3	60
<i>Saxifraga</i>	<i>pennsylvanica</i>			L.		Swamp saxifrage	20	3	60
<i>Urtica</i>	<i>dioica</i>	ssp.	<i>gracilis</i>	L.	(Ait.) Selander	Stinging nettle	20	3	60
<i>Smilacina</i>	<i>trifolia</i>			(L.) Desf.		Three-leaved f. Solomon's-seal	20	3	60
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod	20	3	60
<i>Amphicarpaea</i>	<i>bracteata</i>			(L.) Fern.		Hog-peanut	20	3	60
<i>Aster</i>	<i>pubentior</i>			Cronq.		Flat-topped aster	20	3	60
<i>Stellaria</i>	<i>longifolia</i>			Muhl. ex Willd.		Long-leaved chickweed	20	3	60
<i>Lactuca</i>	<i>spp.</i>					Wild lettuce	20	1	20
<i>Cicuta</i>	<i>maculata</i>			L.		Spotted water-hemlock	20	1	20
<i>Solidago</i>	<i>flexicaulis</i>			L.		Zig-zag goldenrod	20	1	20
<i>Ranunculus</i>	<i>hispidus</i>			Michx.		Hispid buttercup	20	1	20
<i>Actaea</i>	<i>rubra</i>			(Ait.) Willd.		Red baneberry	20	1	20
<i>Chelone</i>	<i>glabra</i>			L.		White turtlehead	20	1	20

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<i>Lilium</i>	<i>michiganense</i>			Farw.		Michigan lily	20	1	20
<i>Thalictrum</i>	<i>dasycarpum</i>			Fisch. & Lall.		Tall meadow-rue	20	1	20
<i>Ranunculus</i>	<i>pensylvanicus</i>			L. f.		Bristly buttercup	20	1	20
<i>Osmorhiza</i>	<i>claytonii</i>			(Michx.) Clarke		Clayton's sweet cicely	20	1	20
<i>Geum</i>	<i>aleppicum</i>	var.	<i>strictum</i>	Jacq.	(Ait.) Fern.	Yellow avens	20	1	20
<i>Trillium</i>	<i>cernuum</i>			L.		Nodding trillium	20	1	20
<i>Cypripedium</i>	<i>reginae</i>			Walt.		Showy lady-slipper	20	1	20
<i>Helianthus</i>	<i>giganteus</i>			L.		Giant sunflower	20	1	20
<i>Rumex</i>	<i>orbiculatus</i>			Gray		Great water dock	20	1	20
<i>Campanula</i>	<i>aparinoides</i>			Pursh		Marsh bellflower	20	1	20
<b>Grasses, Rushes and Sedges</b>									
<i>Carex</i>	<i>utriculata</i>			Boott		Beaked sedge	20	38	760
<i>Glyceria</i>	<i>striata</i>			(Lam.) Hitchc.		Fowl manna-grass	80	7	560
<i>Leersia</i>	<i>oryzoides</i>			(L.) Swartz		Rice cut grass	60	7	420
<i>Carex</i>	<i>leptalea</i>			Wahlenb.		Bristle-stalked sedge	40	10	400
<i>Carex</i>	<i>pseudocyperus</i>			L.		Cyperus-like sedge	20	15	300
<i>Carex</i>	<i>stricta</i>			Lam.		Tussock-sedge	20	15	300
<i>Carex</i>	<i>lacustris</i>			Willd.		Lake-sedge	20	15	300
<i>Bromus</i>	<i>ciliatus</i>			L.		Fringed brome	60	3	180
<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint	40	4	160
<i>Cinna</i>	<i>latifolia</i>			(Trev.) Griseb.		Drooping woodreed	40	3	120
<i>Poa</i>	<i>palustris</i>			L.		Fowl meadow-grass	40	3	120
<i>Muhlenbergia</i>	<i>frondosa</i>			(Poir.) Fern.		Swamp satin-grass	20	5	100
<i>Carex</i>	<i>disperma</i>			Dewey		Soft-leaved sedge	20	5	100
<i>Carex</i>	<i>trisperma</i>			Dewey		Three-fruited sedge	20	5	100
<i>Agrostis</i>	<i>perennans</i>			(Walt.) Tuckerm.		Autumn bentgrass	20	3	60
<i>Carex</i>	<i>hystericina</i>			Muhl. ex Willd.		Porcupine sedge	20	3	60
<i>Carex</i>	<i>pedunculata</i>			Muhl. ex Willd.		Long-stalked sedge	20	3	60
<i>Carex</i>	<i>comosa</i>			Boott		Bristly sedge	20	3	60
<i>Carex</i>	<i>brunnescens</i>	var.	<i>sphaerostachya</i>	(Pers.) Poir.	(Tuckerm.) Kukenth.	Brownish sedge	20	3	60
<i>Festuca</i>	<i>subverticillata</i>			(Pers.) E. Alexeev.		Nodding fescue	20	1	20

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<i>Elymus</i>	<i>hystrix</i>			L.		Bottlebrush grass		20	1	20
<i>Milium</i>	<i>effusum</i>	var.	<i>cisatlanticum</i>	L.	Fern.	Woodland millet grass		20	1	20
<i>Carex</i>	<i>stipata</i>			Muhl. ex Willd.		Awl-fruited sedge		20	1	20
<i>Carex</i>	<i>bebbii</i>			(Bailey) Fern.		Bebb's sedge		20	1	20
<i>Carex</i>	<i>gracillima</i>			Schwein.		Graceful sedge		20	1	20
<i>Carex</i>	<i>interior</i>			Bailey		Inland sedge		20	1	20
<b>Ferns and Fern Allies</b>										
<i>Osmunda</i>	<i>cinnamomea</i>			L.		Cinnamon fern		100	36	3600
<i>Osmunda</i>	<i>regalis</i>	var.	<i>spectabilis</i>	L.	(Willd.) Gray	Royal fern		60	8	480
<i>Onoclea</i>	<i>sensibilis</i>			L.		Sensitive fern		80	6	480
<i>Thelypteris</i>	<i>palustris</i>			Schott		Northern marsh-fern		40	10	400
<i>Dryopteris</i>	<i>cristata</i>			(L.) Gray		Crested fern		80	4	320
<i>Athyrium</i>	<i>filix-femina</i>	var.	<i>angustum</i>	(L.) Roth		Lady-fern		80	4	320
<i>Equisetum</i>	<i>fluviatile</i>			L.		Water horsetail		60	3	180
<i>Dryopteris</i>	<i>cmx.</i>					Fern		60	2	120
<i>Botrychium</i>	<i>virginianum</i>			(L.) Sw.		Rattlesnakefern		40	1	40
<b>Exotic Invasive Species - Do Not Plant</b>										
<i>Rhamnus</i>	<i>frangula</i>			L.		Alder buckthorn		40	8	320
<i>Phalaris</i>	<i>arundinacea</i>			L.		Reed canary-grass		20	15	300
<i>Rhamnus</i>	<i>cathartica</i>			L.		Common buckthorn		20	5	100
<b>State Listed Rare Species - Do Not Plant Without a Permit</b>										
<i>Poa</i>	<i>paludigena</i>			Fern. & Wieg.		Bog bluegrass	T	20	5	100
<i>Bartonia</i>	<i>virginica</i>			(L.) BSP.		Yellow bartonia	E	20	3	60

<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