

¹Native Plant Community Species Lists for East-central Minnesota

Class: Southern Seepage Meadow/ Carr WMs83

SOUTHERN SEEPAGE MEADOW/CARR										
Genus	Species		Variety or Subspecies	Species Author	Variety or Subspecies Author	Common Name	² Rarity Status	³ Freq	⁴ Abund	⁵ Index
Understory Trees										
<i>Acer</i>	<i>negundo</i>			L.		Box elder		21	6	126
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		21	3	63
<i>Ulmus</i>	<i>americana</i>			L.		American elm		16	3	48
<i>Larix</i>	<i>laricina</i>			(DuRoi) Koch		Tamarack		11	2	22
<i>Populus</i>	<i>deltoides</i>	ssp.	<i>monilifera</i>	Marsh.	(Ait.) Eckenw.	Cottonwood		5	3	15
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		5	3	15
<i>Fraxinus</i>	<i>nigra</i>			Marsh.		Black ash		5	3	15
Shrubs										
<i>Salix</i>	<i>discolor</i>			Muhl.		Pussy willow		42	47	1974
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		58	9	522
<i>Salix</i>	<i>bebbiana</i>			Sarg.		Bebb's willow		11	20	220
<i>Salix</i>	<i>petiolaris</i>			J. E. Smith		Slender willow		5	38	190
<i>Salix</i>	<i>amygdaloides</i>			Anderss.		Peach-leaved willow		16	6	96
<i>Ribes</i>	<i>americanum</i>			Mill.		Wild black currant		26	3	78
<i>Viburnum</i>	<i>opulus</i>	var.	<i>americanaum</i>	L.	Aiton	High-bush cranberry		5	15	75
<i>Cornus</i>	<i>amomum</i>	ssp.	<i>obliqua</i>	Mill.	(Raf.) Wilson	Silky dogwood		11	5	55
<i>Salix</i>	<i>serissima</i>			(Bailey) Fern.		Autumn willow		11	5	55
<i>Betula</i>	<i>pumila</i>			L.		Bog-birch		11	4	44
<i>Ribes</i>	<i>hirtellum</i>			Michx.		Swamp gooseberry		11	3	33
<i>Salix</i>	<i>eriocephala</i>			Michx.		Heart-leaved willow		5	5	25
<i>Salix</i>	<i>candida</i>			Flugge		Sage-leaved willow		5	3	15
<i>Ribes</i>	<i>triste</i>			Pall.		Swamp red currant		5	3	15
Low Shrubs										
<i>Rubus</i>	<i>idaeus</i>	var.	<i>strigosus</i>	L.	(Michx.) Maxim	Red raspberry		26	4	104
<i>Toxicodendron</i>	<i>rydbergii</i>			(Small) Greene		Poison ivy		16	3	48
<i>Amorpha</i>	<i>fruticosa</i>			L.		False indigo		5	3	15
Vines										
<i>Parthenocissus</i>	<i>spp.</i>					Virginia creeper		42	5	210
<i>Vitis</i>	<i>riparia</i>			Michx.		Wild grape		37	3	111
Forbs										
<i>Eupatorium</i>	<i>maculatum</i>			L.		Spotted Joe-pye weed		84	10	840

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<i>Impatiens</i>	cmx.					Touch-me-not	58	14	812
<i>Typha</i>	<i>spp.</i>					Cattail	74	9	666
<i>Thalictrum</i>	<i>dasycarpum</i>			Fisch. & Lall.		Tall meadow-rue	32	13	416
<i>Pilea</i>	cmx.					Clearweed	42	8	336
<i>Helianthus</i>	<i>giganteus</i>			L.		Giant sunflower	32	10	320
<i>Symplocarpus</i>	<i>foetidus</i>			(L.) Nutt.		Skunk-cabbage	5	63	315
<i>Caltha</i>	<i>palustris</i>			L.		Swamp marsh-marigold	47	6	282
<i>Aster</i>	<i>pubentior</i>			Cronq.		Flat-topped aster	68	4	272
<i>Campanula</i>	<i>aparinoides</i>			Pursh		Marsh bellflower	53	5	265
<i>Lycopus</i>	<i>uniflorus</i>			Michx.		Northern bugleweed	63	4	252
<i>Sagittaria</i>	<i>latifolia</i>			Willd.		Broad-leaved arrowhead	11	21	231
<i>Lysimachia</i>	<i>thyrsiflora</i>			L.		Tufted loosestrife	37	6	222
<i>Eupatorium</i>	<i>perfoliatum</i>			L.		Common boneset	68	3	204
<i>Artemisia</i>	<i>serrata</i>			Nutt.		Leafy mugwort	5	38	190
<i>Viola</i>	cm1					Violet	58	3	174
<i>Lycopus</i>	<i>americanus</i>			Muhl.		Cut-leaved bugleweed	42	4	168
<i>Aster</i>	<i>firmus</i>			Nees		Red-stemmed aster	47	3	141
<i>Asclepias</i>	<i>incarnata</i>			L.		Swamp milkweed	47	3	141
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry	32	4	128
<i>Rumex</i>	<i>orbiculatus</i>			Gray		Great water dock	63	2	126
<i>Solidago</i>	<i>canadensis</i>			L.		Canada goldenrod	42	3	126
<i>Aster</i>	<i>borealis</i>			(T. & G.) Provanch.		Bog aster	37	3	111
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod	37	3	111
<i>Scutellaria</i>	<i>galericulata</i>			L.		Marsh skullcap	37	3	111
<i>Cardamine</i>	<i>rhomboidea</i>			(Pers.) DC		Spring cress	32	3	96
<i>Mentha</i>	<i>arvensis</i>	var.	<i>glabrata</i>	L.	(Benth.) Fern.	Common mint	32	3	96
<i>Aster</i>	<i>novae-angliae</i>			L.		New England aster	21	4	84
<i>Helianthus</i>	<i>grosseserratus</i>			Martens		Sawtooth sunflower	16	5	80
<i>Galium</i>	<i>labradoricum</i>			(Wieg.) Wieg.		Marsh bedstraw	26	3	78
<i>Lathyrus</i>	<i>palustris</i>			L.		Marsh vetchling	26	3	78
<i>Sparganium</i>	<i>eurycarpum</i>			Engelm.		Giant bur-reed	5	15	75
<i>Angelica</i>	<i>atropurpurea</i>	var.	<i>occidentalis</i>	L.	Fassett	Angelica	5	15	75
<i>Epilobium</i>	cm1					Willow-herb	32	2	64
<i>Cirsium</i>	<i>muticum</i>			Michx.		Swamp thistle	32	2	64
<i>Calystegia</i>	<i>sepium</i>			(L.) R. Br.		Hedge bindweed	16	4	64
<i>Galium</i>	<i>triflorum</i>			Michx.		Three-flowered bedstraw	16	4	64
<i>Verbena</i>	<i>hastata</i>			L.		Blue vervain	21	3	63
<i>Stachys</i>	<i>palustris</i>			L.		Woundwort	21	3	63

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<i>Pycnanthemum</i>	<i>virginianum</i>			(L.) Durand & Jackson		Virginia mountain-mint	21	3	63
<i>Pedicularis</i>	<i>lanceolata</i>			Michx.		Swamp lousewort	21	3	63
<i>Chelone</i>	<i>glabra</i>			L.		White turtlehead	21	3	63
<i>Epilobium</i>	<i>cm2</i>					Willow-herb	16	3	48
<i>Amphicarpaea</i>	<i>bracteata</i>			(L.) Fern.		Hog-peanut	16	3	48
<i>Silphium</i>	<i>perfoliatum</i>			L.		Cup-plant	16	3	48
<i>Cicuta</i>	<i>maculata</i>			L.		Spotted water-hemlock	16	3	48
<i>Ambrosia</i>	<i>trifida</i>			L.		Great ragweed	11	4	44
<i>Arisaema</i>	<i>triphillum</i>			(L.) Schott		Jack-in-the-pulpit	21	2	42
<i>Lysimachia</i>	<i>quadriflora</i>			Sims		Prairie loosestrife	11	3	33
<i>Lythrum</i>	<i>alatum</i>			Pursh		Wing-angled loosestrife	11	3	33
<i>Monarda</i>	<i>fistulosa</i>			L.		Wild bergamot	11	3	33
<i>Rudbeckia</i>	<i>laciniata</i>			L.		Goldenglow	11	3	33
<i>Zizia</i>	<i>aurea</i>			(L.) Koch		Golden alexanders	11	3	33
<i>Geum</i>	<i>canadense</i>			Jacq.		White avens	11	3	33
<i>Cicuta</i>	<i>bulbifera</i>			L.		Bulb-bearing water-hemlock	11	3	33
<i>Apios</i>	<i>americana</i>			Medic.		Groundnut	11	3	33
<i>Smilacina</i>	<i>stellata</i>			(L.) Desf.		Starry false Solomon's-seal	11	3	33
<i>Apocynum</i>	<i>sibiricum</i>			Jacq.		Clasping dogbane	11	3	33
<i>Senecio</i>	<i>aureus</i>			L.		Golden ragwort	11	3	33
<i>Urtica</i>	<i>dioica</i>	ssp.	<i>gracilis</i>	L.	(Ait.) Selander	Stinging nettle	11	3	33
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	11	3	33
<i>Cuscuta</i>	<i>spp.</i>					Dodder	16	2	32
<i>Lobelia</i>	<i>siphilitica</i>			L.		Great lobelia	16	2	32
<i>Circaea</i>	<i>lutetiana</i>	ssp.	<i>canadensis</i>	L.	(L.) Asch. & Magnus	Canada enchanter's nightshade	5	5	25
<i>Habenaria</i>	<i>hyperborea</i>			(L.) R. Br.		Northern bog-orchid	11	2	22
<i>Saxifraga</i>	<i>pensylvanica</i>			L.		Swamp saxifrage	11	2	22
<i>Lysimachia</i>	<i>ciliata</i>			L.		Fringed loosestrife	11	2	22
<i>Liparis</i>	<i>loeselii</i>			(L.) Rich.		Loesel's twayblade	11	2	22
<i>Oxypolis</i>	<i>rigidior</i>			(L.) Raf.		Cowbane	5	3	15
<i>Apocynum</i>	<i>cannabinum</i>			L.		American hemp	5	3	15
<i>Polygonum</i>	<i>sagittatum</i>			L.		Arrow-leaved tearthumb	5	3	15
<i>Galium</i>	<i>boreale</i>	ssp.	<i>septentrionale</i>	L.	(Roem. & Schult.) Iltis	Northern bedstraw	5	3	15
<i>Helenium</i>	<i>autumnale</i>			L.		Autumn sneezeweed	5	3	15
<i>Lycopus</i>	<i>virginicus</i>			L.		Virginia bugleweed	5	3	15
<i>Euthamia</i>	<i>graminifolia</i>			(L.) Nutt.		Grass-leaved goldenrod	5	3	15
<i>Eupatorium</i>	<i>rugosum</i>			Houtt.		Common snakeroot	5	3	15

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<i>Senecio</i>	<i>cmx.</i>					Golden Ragwort	5	3	15
<i>Galium</i>	<i>obtusum</i>			Bigel.		Obtuse bedstraw	5	3	15
<i>Echinocystis</i>	<i>lobata</i>			(Michx.) T. & G.		Wild cucumber	5	3	15
<i>Acorus</i>	<i>calamus</i>			L.		Sweet flag	5	3	15
<i>Vernonia</i>	<i>fasciculata</i>			Michx.		Bunched ironweed	5	3	15
<i>Stellaria</i>	<i>longifolia</i>			Muhl. ex Willd.		Long-leaved chickweed	5	3	15
<i>Stachys</i>	<i>hispida</i>			Pursh		Smooth hedge-nettle	5	3	15
<i>Viola</i>	<i>renifolia</i>			Gray		Kidney-leaf violet	5	3	15
<i>Lactuca</i>	<i>spp.</i>					Wild lettuce	5	1	5
<i>Sonchus</i>	<i>spp.</i>					Smooth sow-thistle	5	1	5
<i>Iris</i>	<i>versicolor</i>			L.		Northern blue Flag	5	1	5
<i>Humulus</i>	<i>lupulus</i>			L.		Common hop	5	1	5
<i>Physostegia</i>	<i>virginiana</i>			(L.) Benth.		Obedient plant	5	1	5
<i>Iris</i>	<i>virginica</i>	var.	<i>shrevei</i>	L.	(Small) Anders.	Southern blue flag	5	1	5
Grasses, Rushes and Sedges									
<i>Carex</i>	<i>stricta</i>			Lam.		Tussock-sedge	47	45	2115
<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint	42	18	756
<i>Carex</i>	<i>prairea</i>			Dewey		Prairie sedge	37	16	592
<i>Carex</i>	<i>aquatilis</i>			Wahlenb.		Water sedge	11	39	429
<i>Scirpus</i>	<i>acutus</i>			Bigel.		Hard-stemmed bulrush	11	39	429
<i>Carex</i>	<i>hystericina</i>			Muhl. ex Willd.		Porcupine sedge	53	7	371
<i>Carex</i>	<i>lacustris</i>			Willd.		Lake-sedge	42	8	336
<i>Carex</i>	<i>trichocarpa</i>			Schkuhr		Hairy-fruited sedge	5	63	315
<i>Carex</i>	<i>pellita</i>			Muhl.		Woolly sedge	32	7	224
<i>Spartina</i>	<i>pectinata</i>			Link		Prairie cord-grass	5	38	190
<i>Carex</i>	<i>emoryi</i>			Dewey		Emory's sedge	5	38	190
<i>Poa</i>	<i>palustris</i>			L.		Fowl meadow-grass	37	3	111
<i>Glyceria</i>	<i>striata</i>			(Lam.) Hitchc.		Fowl manna-grass	32	3	96
<i>Muhlenbergia</i>	<i>glomerata</i>			(Willd.) Trin.		Clustered muhly grass	21	4	84
<i>Leersia</i>	<i>oryzoides</i>			(L.) Swartz		Rice cut grass	21	4	84
<i>Bromus</i>	<i>ciliatus</i>			L.		Fringed brome	26	3	78
<i>Carex</i>	<i>interior</i>			Bailey		Inland sedge	26	3	78
<i>Carex</i>	<i>crisatella</i>			Britt.			5	15	75
<i>Muhlenbergia</i>	<i>mexicana</i>			(L.) Trin.		Mexican satin-grass	16	4	64
<i>Carex</i>	<i>bebbii</i>			(Bailey) Fern.		Bebb's sedge	16	3	48

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<i>Carex</i>	<i>stipata</i>			Muhl. ex Willd.		Awl-fruited sedge		16	3	48
<i>Carex</i>	<i>sartwellii</i>			Dewey		Sartwell's sedge		11	4	44
<i>Scirpus</i>	<i>atrovirens</i>			Willd.		Dark green bulrush		11	3	33
<i>Phragmites</i>	<i>australis</i>			(Cav.) Steud.		Common reed		5	3	15
<i>Calamagrostis</i>	<i>stricta</i>			(Timm) Koeler		Bog reed-grass		5	3	15
<i>Andropogon</i>	<i>gerardii</i>			Vitman		Big bluestem		5	3	15
<i>Cinna</i>	<i>arundinacea</i>			L.		Stout woodreed		5	3	15
<i>Leersia</i>	<i>virginica</i>			Willd.		White grass		5	3	15
<i>Festuca</i>	<i>subverticillata</i>			(Pers.) E. Alexeev.		Nodding fescue		5	3	15
<i>Juncus</i>	<i>dudleyi</i>			Wieg.		Dudley's rush		5	3	15
<i>Carex</i>	<i>tribuloides</i>			Wahlenb.		Blunt-broom sedge		5	3	15
<i>Carex</i>	<i>pseudocyperus</i>			L.		Cyperus-like sedge		5	3	15
<i>Carex</i>	<i>lasiocarpa</i>	var.	<i>americana</i>	Ehrh.	Fern.	Wire-sedge		5	1	5
<i>Scirpus</i>	<i>atrocinctus</i>			Fern.		Black-spiked bulrush		5	1	5
Ferns and Fern Allies										
<i>Thelypteris</i>	<i>palustris</i>			Schott		Northern marsh-fern		53	3	159
<i>Equisetum</i>	<i>fluviatile</i>			L.		Water horsetail		16	4	64
<i>Dryopteris</i>	<i>carthusiana</i>			(Vill.) H.p. Fuchs		Spinulose shield fern		11	2	22
<i>Dryopteris</i>	<i>crinata</i>			(L.) Gray		Crested fern		5	1	5
<i>Onoclea</i>	<i>sensibilis</i>			L.		Sensitive fern		5	1	5
<i>Equisetum</i>	<i>arvense</i>			L.		Field horsetail		5	1	5
Exotic Invasive Species - Do Not Plant										
<i>Phalaris</i>	<i>arundinacea</i>			L.		Reed canary-grass		47	8	376
<i>Myosotis</i>	<i>scorpioides</i>			L.		True forget-me-not		5	38	190
<i>Agrostis</i>	<i>gigantea</i>			Roth		Redtop		37	3	111
<i>Rhamnus</i>	<i>frangula</i>			L.		Alder buckthorn		21	3	63
<i>Poa</i>	<i>pratensis</i>			L.		Kentucky bluegrass		11	2	22
<i>Rhamnus</i>	<i>cathartica</i>			L.		Common buckthorn		5	3	15
<i>Solanum</i>	<i>dulcamara</i>			L.		Bittersweet nightshade		5	3	15
State Listed Rare Species - Do Not Plant Without a Permit										
<i>Poa</i>	<i>paludigena</i>			Fern. & Wieg.		Bog bluegrass	T	5	5	25

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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