

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

**Class: Prairie Extremely Rich Fen OPP93**

PRAIRIE EXTREMELY RICH FEN										
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>Shrubs</b>										
<i>Potentilla</i>	<i>fruticosa</i>			L.		Shrubby cinquefoil		40	7	280
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		80	3	240
<i>Salix</i>	<i>bebbiana</i>			Sarg.		Bebb's willow		27	3	81
<i>Salix</i>	<i>discolor</i>			Muhl.		Pussy willow		27	2	54
<i>Salix</i>	<i>petiolaris</i>			J. E. Smith		Slender willow		20	2	40
<i>Salix</i>	<i>serissima</i>			(Bailey) Fern.		Autumn willow		13	2	26
<i>Salix</i>	<i>candida</i>			Flugge		Sage-leaved willow		7	3	21
<b>Forbs</b>										
<i>Helianthus</i>	<i>giganteus</i>			L.		Giant sunflower		87	16	1392
<i>Typha</i>	<i>spp.</i>					Cattail		80	9	720
<i>Eupatorium</i>	<i>maculatum</i>			L.		Spotted Joe-pye weed		80	8	640
<i>Aster</i>	<i>pubentior</i>			Cronq.		Flat-topped aster		100	4	400
<i>Zizia</i>	<i>aurea</i>			(L.) Koch		Golden alexanders		20	19	380
<i>Solidago</i>	<i>canadensis</i>			L.		Canada goldenrod		87	4	348
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod		20	15	300
<i>Pycnanthemum</i>	<i>virginianum</i>			(L.) Durand & Jackson		Virginia mountain-mint		47	6	282
<i>Viola</i>	<i>cm1</i>					Violet		80	3	240
<i>Lysimachia</i>	<i>quadriflora</i>			Sims		Prairie loosestrife		73	3	219
<i>Aster</i>	<i>novae-angliae</i>			L.		New England aster		53	4	212
<i>Lycopus</i>	<i>uniflorus</i>			Michx.		Northern bugleweed		67	3	201
<i>Triglochin</i>	<i>maritima</i>			L.		Seaside arrow-grass		40	5	200
<i>Thalictrum</i>	<i>dasycarpum</i>			Fisch. & Lall.		Tall meadow-rue		47	4	188
<i>Galium</i>	<i>boreale</i>	ssp.	<i>septentrionale</i>	L.	(Roem. & Schult.) Iltis	Northern bedstraw		47	4	188
<i>Pedicularis</i>	<i>lanceolata</i>			Michx.		Swamp lousewort		60	3	180
<i>Cirsium</i>	<i>muticum</i>			Michx.		Swamp thistle		60	3	180
<i>Aster</i>	<i>firmus</i>			Nees		Red-stemmed aster		33	5	165
<i>Aster</i>	<i>borealis</i>			(T. & G.) Provanch.		Bog aster		53	3	159
<i>Oxypolis</i>	<i>rigidior</i>			(L.) Raf.		Cowbane		47	3	141
<i>Lycopus</i>	<i>americanus</i>			Muhl.		Cut-leaved bugleweed		47	3	141
<i>Hypoxis</i>	<i>hirsuta</i>			(L.) Cov.		Yellow star-grass		47	3	141
<i>Parnassia</i>	<i>glauca</i>			Raf.		American grass-of-Parnassus		33	4	132
<i>Eupatorium</i>	<i>perfoliatum</i>			L.		Common boneset		60	2	120

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<i>Liatris</i>	<i>ligulistylis</i>			(Nels.) Schum.		Northern plains blazing star	40	3	120
<i>Helenium</i>	<i>autumnale</i>			L.		Autumn sneezeweed	40	3	120
<i>Gentianopsis</i>	<i>procera</i>			(Holm) Ma		Smaller fringed gentian	27	4	108
<i>Asclepias</i>	<i>incarnata</i>			L.		Swamp milkweed	53	2	106
<i>Cardamine</i>	<i>rhomboidea</i>			(Pers.) DC		Spring cress	33	3	99
<i>Campanula</i>	<i>aparinoides</i>			Pursh		Marsh bellflower	27	3	81
<i>Solidago</i>	<i>riddellii</i>			Frank		Riddell's goldenrod	40	2	80
<i>Helianthus</i>	<i>grosseserratus</i>			Martens		Sawtooth sunflower	20	4	80
<i>Senecio</i>	<i>cmx.</i>					Golden ragwort	20	4	80
<i>Lathyrus</i>	<i>palustris</i>			L.		Marsh vetchling	20	3	60
<i>Euthamia</i>	<i>graminifolia</i>			(L.) Nutt.		Grass-leaved goldenrod	20	3	60
<i>Phlox</i>	<i>pilosa</i>	ssp.	<i>fulgida</i>	L.	Wherry	Prairie phlox	20	3	60
<i>Lobelia</i>	<i>kalmii</i>			L.		Kalm's lobelia	20	3	60
<i>Apocynum</i>	<i>sibiricum</i>			Jacq.		Clasping dogbane	20	3	60
<i>Zigadenus</i>	<i>cmx.</i>					White camass	20	3	60
<i>Prenanthes</i>	<i>alba</i>			L.		White rattlesnake-root	27	2	54
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry	13	3	39
<i>Angelica</i>	<i>atropurpurea</i>	var.	<i>occidentalis</i>	L.	Fassett	Angelica	13	3	39
<i>Liatris</i>	<i>pyncnostachya</i>			Michx.		Gayfeather	13	3	39
<i>Galium</i>	<i>labradoricum</i>			(Wieg.) Wieg.		Marsh bedstraw	13	3	39
<i>Cicuta</i>	<i>bulbifera</i>			L.		Bulb-bearing water-hemlock	13	3	39
<i>Eupatorium</i>	<i>purpureum</i>			L.		Sweet Joe-pye weed	7	5	35
<i>Chelone</i>	<i>glabra</i>			L.		White turtlehead	13	2	26
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	7	3	21
<i>Lythrum</i>	<i>alatum</i>			Pursh		Wing-angled loosestrife	7	3	21
<i>Lobelia</i>	<i>siphilitica</i>			L.		Great lobelia	7	3	21
<i>Rudbeckia</i>	<i>hirta</i>	var.	<i>pulcherrima</i>	L.	Farw.	Black-eyed Susan	7	3	21
<i>Galium</i>	<i>obtusum</i>			Bigel.		Obtuse bedstraw	7	3	21
<i>Smilacina</i>	<i>stellata</i>			(L.) Desf.		Starry false Solomon's-seal	7	3	21
<i>Aster</i>	<i>lanceolatus</i>			Willd.		Panicled aster	7	3	21
<i>Utricularia</i>	<i>minor</i>			L.		Lesser bladderwort	7	3	21
<i>Scutellaria</i>	<i>galericulata</i>			L.		Marsh skullcap	7	3	21
<i>Senecio</i>	<i>cmx.</i>					Golden Ragwort	7	3	21
<i>Impatiens</i>	<i>cmx.</i>					Touch-me-not	7	3	21
<i>Sphenopholis</i>	<i>obtusata</i>	var.	<i>major</i>	(Michx.) Scribn.	(Torr.) K. S. Erdman	Slender wedge-grass	7	3	21
<i>Cypripedium</i>	<i>calceolus</i>	var.	<i>parviflorum</i>	L.	(Salisb.) Fern	Small yellow lady-slipper	13	1	13
<i>Silphium</i>	<i>perfoliatum</i>			L.		Cup-plant	7	1	7
<i>Lilium</i>	<i>michiganense</i>			Farw.		Michigan lily	7	1	7

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<i>Lilium</i>	<i>philadelphicum</i>	var.	<i>andinum</i>	L.	(Nutt.) Ker	Wood lily	7	1	7
<i>Epilobium</i>	cm2					Willow-herb	7	1	7
<i>Calystegia</i>	<i>sepium</i>			(L.) R. Br.		Hedge bindweed	7	1	7
<b>Grasses, Rushes and Sedges</b>									
<i>Carex</i>	<i>prairea</i>			Dewey		Prairie sedge	73	28	2044
<i>Scirpus</i>	<i>acutus</i>			Bigel.		Hard-stemmed bulrush	80	22	1760
<i>Carex</i>	<i>stricta</i>			Lam.		Tussock-sedge	80	19	1520
<i>Muhlenbergia</i>	<i>richardsonis</i>			(Trin.) Rydb.		Richardson's muhly grass	60	25	1500
<i>Andropogon</i>	<i>gerardii</i>			Vitman		Big bluestem	73	6	438
<i>Muhlenbergia</i>	<i>glomerata</i>			(Willd.) Trin.		Clustered muhly grass	93	4	372
<i>Carex</i>	<i>sartwellii</i>			Dewey		Sartwell's sedge	20	14	280
<i>Carex</i>	<i>tetanica</i>			Schkuhr		Wood-sedge	87	3	261
<i>Carex</i>	<i>interior</i>			Bailey		Inland sedge	33	6	198
<i>Carex</i>	<i>lasiocarpa</i>	var.	<i>americana</i>	Ehrh.	Fern.	Wire-sedge	27	6	162
<i>Eriophorum</i>	<i>angustifolium</i>			Honck.		Narrow-leaved cotton-grass	40	3	120
<i>Eleocharis</i>	<i>compressa</i>			Sulliv.		Flattened spike-rush	33	3	99
<i>Glyceria</i>	<i>striata</i>			(Lam.) Hitchc.		Fowl manna-grass	33	3	99
<i>Bromus</i>	<i>ciliatus</i>			L.		Fringed brome	33	3	99
<i>Carex</i>	<i>hystericina</i>			Muhl. ex Willd.		Porcupine sedge	33	3	99
<i>Carex</i>	<i>pellita</i>			Muhl.		Woolly sedge	13	5	65
<i>Phragmites</i>	<i>australis</i>			(Cav.) Steud.		Common reed	20	3	60
<i>Deschampsia</i>	<i>cespitosa</i>	var.	<i>glauca</i>	(L.) Beauv.	(Hartm.) Lindm.	Tufted hair-grass	13	3	39
<i>Muhlenbergia</i>	<i>mexicana</i>			(L.) Trin.		Mexican satin-grass	13	3	39
<i>Calamagrostis</i>	<i>stricta</i>			(Timm) Koeler		Bog reed-grass	13	3	39
<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint	13	3	39
<i>Carex</i>	<i>granularis</i>	var.	<i>haleana</i>	Muhl. ex Willd.	(Olney) Porter	Granular sedge	13	3	39
<i>Carex</i>	<i>diandra</i>			Schrank		Lesser-panicled sedge	7	5	35
<i>Sorghastrum</i>	<i>nutans</i>			(L.) Nash		Indian grass	7	3	21
<i>Eleocharis</i>	<i>elliptica</i>			Kunth		Elliptic spike-rush	7	3	21
<i>Carex</i>	<i>utriculata</i>			Boott		Beaked sedge	7	3	21
<i>Carex</i>	<i>buxbaumii</i>			Wahlenb.		Buxbaum's sedge	7	3	21
<i>Carex</i>	<i>aquatilis</i>			Wahlenb.		Water sedge	7	3	21
<i>Scirpus</i>	<i>pungens</i>			Vahl		Three-square	7	3	21
<i>Scirpus</i>	<i>atrovirens</i>			Willd.		Dark green bulrush	7	3	21
<b>Ferns and Fern Allies</b>									
<i>Thelypteris</i>	<i>palustris</i>			Schott		Northern marsh-fern	13	9	117

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<i>Equisetum</i>	<i>arvense</i>			L.		Field horsetail		13	4	52
<i>Equisetum</i>	<i>pratense</i>			Ehrh.		Meadow horsetail		7	3	21

<b>Exotic Invasive Species - Do Not Plant</b>										
<i>Agrostis</i>	<i>gigantea</i>			Roth		Redtop		27	4	108
<i>Poa</i>	<i>pratensis</i>			L.		Kentucky bluegrass		33	3	99
<i>Polygonum</i>	<i>convolvulus</i>			L.		Black bindweed		7	3	21
<i>Convolvulus</i>	<i>arvensis</i>			L.		Field bindweed		7	3	21
<i>Rhamnus</i>	<i>cathartica</i>			L.		Common buckthorn		13	1	13
<i>Phalaris</i>	<i>arundinacea</i>			L.		Reed canary-grass		7	1	7

<b>State Listed Rare Species - Do Not Plant Without a Permit</b>										
<i>Carex</i>	<i>sterilis</i>			Willd.		Sterile sedge	T	80	18	1440
<i>Eleocharis</i>	<i>rostellata</i>			Torr.		Beaked spike-rush	T	20	54	1080
<i>Valeriana</i>	<i>edulis</i>	ssp.	<i>ciliata</i>	Nutt.	(T. & G.) Meyer	Edible valerian	T	33	3	99
<i>Cypripedium</i>	<i>candidum</i>			Muhl. ex Willd.		Small white lady-slipper	SC	33	3	99
<i>Scleria</i>	<i>verticillata</i>			Muhl.		Whorled nut-rush	T	13	4	52
<i>Rhynchospora</i>	<i>capillacea</i>			Torr.		Hair-like beaked-sedge	T	13	4	52
<i>Cladium</i>	<i>mariscoides</i>			(Muhl.) Torr.		Twig-rush	SC	7	5	35
<i>Lysimachia</i>	<i>quadrifolia</i>			L.		Whorled loosestrife	SC	7	3	21

<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