

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

**Class: Northern Rich Fen (Basin) OPn92**

NORTHERN RICH FEN (BASIN)										
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>Understory Trees</b>										
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		22	10	220
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		11	15	165
<i>Populus</i>	<i>tremuloides</i>			Michx.		Quaking aspen		11	3	33
<i>Larix</i>	<i>laricina</i>			(DuRoi) Koch		Tamarack		11	3	33
<b>Shrubs</b>										
<i>Betula</i>	<i>pumila</i>			L.		Bog-birch		56	21	1176
<i>Spiraea</i>	<i>tomentosa</i>	var.	<i>rosea</i>	L.	(Raf.) Fern.	Steeple-bush		56	15	840
<i>Salix</i>	<i>petiolaris</i>			J. E. Smith		Slender willow		44	9	396
<i>Salix</i>	<i>pedicellaris</i>	var.	<i>pedicellaris</i>	Pursh		Bog willow		33	4	132
<i>Salix</i>	<i>discolor</i>			Muhl.		Pussy willow		33	2	66
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		11	5	55
<i>Ribes</i>	<i>hirtellum</i>			Michx.		Swamp gooseberry		11	3	33
<i>Salix</i>	<i>bebbiana</i>			Sarg.		Bebb's willow		11	1	11
<b>Low Shrubs</b>										
<i>Vaccinium</i>	<i>macrocarpon</i>			Ait.		Large cranberry		22	38	836
<i>Chamaedaphne</i>	<i>calyculata</i>	var.	<i>angustifolia</i>	(L.) Moench	(Ait.) Rehd.	Leather-leaf		22	10	220
<i>Rubus</i>	<i>idaeus</i>	var.	<i>strigosus</i>	L.	(Michx.) Maxim	Red raspberry		11	3	33
<i>Vaccinium</i>	<i>angustifolium</i>			Ait.		Lowbush blueberry		11	3	33
<b>Vines</b>										
<i>Parthenocissus</i>	<i>cmx.</i>					Virginia creeper		11	1	11
<b>Forbs</b>										
<i>Sagittaria</i>	<i>latifolia</i>			Willd.		Broad-leaved arrowhead		67	12	804
<i>Epilobium</i>	<i>cm2</i>					Willow-herb		56	10	560
<i>Lycopus</i>	<i>uniflorus</i>			Michx.		Northern bugleweed		78	4	312
<i>Polygonum</i>	<i>sagittatum</i>			L.		Arrow-leaved tearthumb		67	4	268
<i>Triadenum</i>	<i>fraseri</i>			(Spach) Gl.		Marsh St. John's-wort		78	3	234
<i>Bidens</i>	<i>spp.</i>					Beggar-ticks		33	7	231
<i>Galium</i>	<i>labradoricum</i>			(Wieg.) Wieg.		Marsh bedstraw		33	7	231
<i>Cicuta</i>	<i>bulbifera</i>			L.		Bulb-bearing water-hemlock		67	3	201
<i>Eupatorium</i>	<i>maculatum</i>			L.		Spotted Joe-pye weed		22	8	176
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod		22	8	176
<i>Campanula</i>	<i>aparinoides</i>			Pursh		Marsh bellflower		44	4	176
<i>Typha</i>	<i>spp.</i>					Cattail		56	3	168
<i>Lysimachia</i>	<i>thyrsiflora</i>			L.		Tufted loosestrife		56	3	168

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<i>Potentilla</i>	<i>palustris</i>			(L.) Scop.		Marsh cinquefoil	56	3	168
<i>Drosera</i>	<i>rotundifolia</i>			L.		Round-leaved sundew	33	4	132
<i>Viola</i>	<i>cm2</i>					Violet	33	3	99
<i>Aster</i>	<i>borealis</i>			(T. & G.) Provanch.		Bog aster	22	4	88
<i>Eupatorium</i>	<i>perfoliatum</i>			L.		Common boneset	33	2	66
<i>Rumex</i>	<i>orbiculatus</i>			Gray		Great water dock	33	2	66
<i>Viola</i>	<i>renifolia</i>			Gray		Kidney-leaf violet	11	5	55
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry	11	5	55
<i>Utricularia</i>	<i>intermedia</i>			Hayne		Flat-leaved bladderwort	22	2	44
<i>Pilea</i>	<i>cmx.</i>					Clearweed	11	3	33
<i>Erechtites</i>	<i>hieracifolia</i>			(L.) Raf.		Pilewort	11	3	33
<i>Scutellaria</i>	<i>lateriflora</i>			L.		Mad-dog skullcap	11	3	33
<i>Solidago</i>	<i>uliginosa</i>			Nutt.		Bog goldenrod	11	3	33
<i>Aster</i>	<i>lanceolatus</i>			Willd.		Panicled aster	11	3	33
<i>Asclepias</i>	<i>incarnata</i>			L.		Swamp milkweed	11	3	33
<i>Galium</i>	<i>trifidum</i>			L.		Three-cleft bedstraw	11	3	33
<i>Lathyrus</i>	<i>palustris</i>			L.		Marsh vetchling	11	3	33
<i>Hypericum</i>	<i>majus</i>			(Gray) Britt.		Large St. John's-wort	11	3	33
<i>Iris</i>	<i>versicolor</i>			L.		Northern blue Flag	11	3	33
<i>Scutellaria</i>	<i>galericulata</i>			L.		Marsh skullcap	22	1	22
<i>Saxifraga</i>	<i>pennsylvanica</i>			L.		Swamp saxifrage	11	1	11
<i>Galium</i>	<i>tinctorium</i>			L.		Small bedstraw	11	1	11
<i>Liparis</i>	<i>loeselii</i>			(L.) Rich.		Loesel's twayblade	11	1	11
<i>Thalictrum</i>	<i>dasyarpum</i>			Fisch. & Lall.		Tall meadow-rue	11	1	11
<i>Aster</i>	<i>firmus</i>			Nees		Red-stemmed aster	11	1	11
<b>Grasses, Rushes and Sedges</b>									
<i>Carex</i>	<i>lasiocarpa</i>	var.	<i>americana</i>	Ehrh.	Fern.	Wire-sedge	78	45	3510
<i>Carex</i>	<i>oligosperma</i>			Michx.		Few-seeded sedge	22	45	990
<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint	67	11	737
<i>Carex</i>	<i>leptalea</i>			Wahlenb.		Bristle-stalked sedge	11	63	693
<i>Carex</i>	<i>lacustris</i>			Willd.		Lake-sedge	33	15	495
<i>Carex</i>	<i>stricta</i>			Lam.		Tussock-sedge	11	38	418
<i>Scirpus</i>	<i>cyperinus</i>			(L.) Kunth		Wool-grass	56	5	280
<i>Agrostis</i>	<i>hyemalis</i>	var.	<i>scabra</i>	(Willd.) Blomq.		Rough bent-grass	22	9	198
<i>Muhlenbergia</i>	<i>glomerata</i>			(Willd.) Trin.		Clustered muhly grass	11	15	165
<i>Carex</i>	<i>cephalantha</i>			(Bailey) Bickn.		Bunched sedge	11	15	165

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<i>Carex</i>	<i>aquatilis</i>			Wahlenb.		Water sedge	11	15	165
<i>Carex</i>	<i>chordorrhiza</i>			L. f.		Creeping sedge	33	4	132
<i>Juncus</i>	<i>canadensis</i>			J. Gay		Canada rush	22	4	88
<i>Eriophorum</i>	<i>gracile</i>			Koch		Slender cotton-grass	22	4	88
<i>Dulichium</i>	<i>arundinaceum</i>			(L.) Britt.		Three-way sedge	22	4	88
<i>Carex</i>	<i>interior</i>			Bailey		Inland sedge	22	4	88
<i>Carex</i>	<i>utriculata</i>			Boott		Beaked sedge	22	3	66
<i>Carex</i>	<i>prairea</i>			Dewey		Prairie sedge	22	3	66
<i>Poa</i>	<i>palustris</i>			L.		Fowl meadow-grass	11	5	55
<i>Bromus</i>	<i>ciliatus</i>			L.		Fringed brome	11	3	33
<i>Leersia</i>	<i>oryzoides</i>			(L.) Swartz		Rice cut grass	11	3	33
<i>Calamagrostis</i>	<i>stricta</i>			(Timm) Koeler		Bog reed-grass	11	3	33
<i>Glyceria</i>	<i>striata</i>			(Lam.) Hitchc.		Fowl manna-grass	11	3	33
<i>Eriophorum</i>	<i>chamissonis</i>			C. A. Meyer ex Ledeb.		Chamisso's cotton-grass	11	3	33
<i>Carex</i>	<i>canescens</i>			L.		Silvery sedge	11	3	33
<i>Scirpus</i>	<i>validus</i>	var.	<i>creber</i>	Vahl	Fern.	Softstem bulrush	11	3	33
<i>Eriophorum</i>	<i>angustifolium</i>			Honck.		Narrow-leaved cotton-grass	11	3	33
<i>Glyceria</i>	<i>grandis</i>			S. Wats.		Tall manna-grass	11	1	11
<i>Scirpus</i>	<i>atrovirens</i>			Willd.		Dark green bulrush	11	1	11
<b>Ferns and Fern Allies</b>									
<i>Thelypteris</i>	<i>palustris</i>			Schott		Northern marsh-fern	89	24	2136
<i>Dryopteris</i>	<i>cristata</i>			(L.) Gray		Crested fern	33	2	66
<i>Osmunda</i>	<i>regalis</i>	var.	<i>spectabilis</i>	L.	(Willd.) Gray	Royal fern	11	5	55
<i>Onoclea</i>	<i>sensibilis</i>			L.		Sensitive fern	11	3	33
<i>Equisetum</i>	<i>fluviatile</i>			L.		Water horsetail	11	3	33
<i>Osmunda</i>	<i>cinnamomea</i>			L.		Cinnamon fern	11	1	11
<b>Exotic Invasive Species - Do Not Plant</b>									
<i>Rumex</i>	<i>crispus</i>			L.		Curly dock	11	15	165
<i>Acer</i>	<i>ginnala</i>			Maxim.		Amur maple	11	3	33
<i>Rhamnus</i>	<i>frangula</i>			L.		Alder buckthorn	22	1	22
<i>Lythrum</i>	<i>salicaria</i>	var.	<i>tomentosum</i>	L.	(Mill.) DC.	Purple loosestrife	22	1	22
<b>State Listed Rare Species - Do Not Plant Without a Permit</b>									
(none)									

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<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