

NORTHERN WET MEADOW/CARR, SEDGE MEADOW TYPE										
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>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		5	15	75
<i>Betula</i>	<i>papyrifera</i>			Marsh.		Paper-birch		14	3	42
<i>Populus</i>	<i>tremuloides</i>			Michx.		Quaking aspen		14	2	28
<i>Ulmus</i>	<i>americana</i>			L.		American elm		5	1	5
<i>Acer</i>	<i>negundo</i>			L.		Box elder		5	1	5
<i>Ulmus</i>	<i>rubra</i>			Muhl.		Slippery elm		5	1	5
<i>Larix</i>	<i>laricina</i>			(DuRoi) Koch		Tamarack		5	1	5
<b>Shrubs</b>										
<i>Salix</i>	<i>petiolaris</i>			J. E. Smith		Slender willow		47	12	564
<i>Cornus</i>	<i>amomum</i>	ssp.	<i>obliqua</i>	Mill.	(Raf.) Wilson	Silky dogwood		5	63	315
<i>Salix</i>	<i>discolor</i>			Muhl.		Pussy willow		38	7	266
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		19	9	171
<i>Salix</i>	<i>bebbiana</i>			Sarg.		Bebb's willow		24	5	120
<i>Spiraea</i>	<i>alba</i>			Du Roi		Meadowsweet		29	2	58
<i>Salix</i>	<i>eriocephala</i>			Michx.		Heart-leaved willow		10	3	30
<i>Betula</i>	<i>pumila</i>			L.		Bog-birch		5	5	25
<i>Salix</i>	<i>exigua</i>	ssp.	<i>interior</i>	Nutt.	(Rowlee) Cronq.	Sandbar willow		5	5	25
<i>Alnus</i>	<i>incana</i>	ssp.	<i>rugosa</i>	(L.) Moench	(Du Roi) Clausen	Speckled alder		10	2	20
<i>Salix</i>	<i>candida</i>			Flugge		Sage-leaved willow		10	2	20
<i>Spiraea</i>	<i>tomentosa</i>	var.	<i>rosea</i>	L.	(Raf.) Fern.	Steeple-bush		5	3	15
<i>Ilex</i>	<i>verticillata</i>			(L.) Gray		Winterberry		5	3	15
<i>Salix</i>	<i>pedicellaris</i>	var.	<i>pedicellaris</i>	Pursh		Bog willow		5	3	15
<b>Forbs</b>										
<i>Lycopus</i>	<i>uniflorus</i>			Michx.		Northern bugleweed		76	8	608
<i>Sagittaria</i>	<i>latifolia</i>			Willd.		Broad-leaved arrowhead		43	14	602
<i>Bidens</i>	<i>spp.</i>					Beggar-ticks		33	16	528
<i>Impatiens</i>	<i>spp.</i>					Touch-me-not		43	10	430
<i>Pilea</i>	<i>spp.</i>					Clearweed		24	15	360
<i>Aster</i>	<i>firmus</i>			Nees		Red-stemmed aster		19	18	342
<i>Triadenum</i>	<i>fraseri</i>			(Spach) Gl.		Marsh St. John's-wort		48	7	336
<i>Typha</i>	<i>spp.</i>					Cattail		43	7	301
<i>Sparganium</i>	<i>eurycarpum</i>			Engelm.		Giant bur-reed		14	19	266
<i>Polygonum</i>	<i>amphibium</i>	var.	<i>stipulaceum</i>	L.	Coleman	Water smartweed		29	9	261
<i>Lysimachia</i>	<i>thyrsiflora</i>			L.		Tufted loosestrife		62	4	248

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<i>Campanula</i>	<i>aparinoides</i>			Pursh		Marsh bellflower		57	4	228
<i>Eupatorium</i>	<i>maculatum</i>			L.		Spotted Joe-pye weed		43	5	215
<i>Solidago</i>	<i>canadensis</i>			L.		Canada goldenrod		10	21	210
<i>Viola</i>	<i>cm2</i>					Violet		19	10	190
<i>Rumex</i>	<i>orbiculatus</i>			Gray		Great water dock		62	3	186
<i>Scutellaria</i>	<i>galericulata</i>			L.		Marsh skullcap		52	3	156
<i>Asclepias</i>	<i>incarnata</i>			L.		Swamp milkweed		67	2	134
<i>Lycopus</i>	<i>americanus</i>			Muhl.		Cut-leaved bugleweed		33	4	132
<i>Eupatorium</i>	<i>perfoliatum</i>			L.		Common boneset		43	3	129
<i>Polygonum</i>	<i>sagittatum</i>			L.		Arrow-leaved tearthumb		43	3	129
<i>Potentilla</i>	<i>palustris</i>			(L.) Scop.		Marsh cinquefoil		29	4	116
<i>Galium</i>	<i>trifidum</i>			L.		Three-cleft bedstraw		29	4	116
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod		38	3	114
<i>Cicuta</i>	<i>bulbifera</i>			L.		Bulb-bearing water-hemlock		33	3	99
<i>Scutellaria</i>	<i>lateriflora</i>			L.		Mad-dog skullcap		14	7	98
<i>Rubus</i>	<i>pubescens</i>			Raf.		Dwarf raspberry		10	9	90
<i>Epilobium</i>	<i>cm2</i>					Willow-herb		29	3	87
<i>Lathyrus</i>	<i>palustris</i>			L.		Marsh vetchling		43	2	86
<i>Mentha</i>	<i>arvensis</i>	var.	<i>glabrata</i>	L.	(Benth.) Fern.	Common mint		19	4	76
<i>Lycopus</i>	<i>asper</i>			Greene		Rough bugle-weed		5	15	75
<i>Pycnanthemum</i>	<i>virginianum</i>			(L.) Durand & Jackson		Virginia mountain-mint		5	15	75
<i>Epilobium</i>	<i>cm1</i>					Willow-herb		24	3	72
<i>Galium</i>	<i>tinctorium</i>			L.		Small bedstraw		24	3	72
<i>Iris</i>	<i>versicolor</i>			L.		Northern blue Flag		33	2	66
<i>Caltha</i>	<i>palustris</i>			L.		Swamp marsh-marigold		14	3	42
<i>Galium</i>	<i>labradoricum</i>			(Wieg.) Wieg.		Marsh bedstraw		14	3	42
<i>Cicuta</i>	<i>maculata</i>			L.		Spotted water-hemlock		14	3	42
<i>Apocynum</i>	<i>sibiricum</i>			Jacq.		Clasping dogbane		10	3	30
<i>Boehmeria</i>	<i>cylindrica</i>			(L.) Sw.		False nettle		10	3	30
<i>Chelone</i>	<i>glabra</i>			L.		White turtlehead		10	3	30
<i>Gentiana</i>	<i>billingtonii</i>			Farw.		Closed gentian		10	3	30
<i>Pedicularis</i>	<i>lanceolata</i>			Michx.		Swamp lousewort		10	3	30
<i>Sium</i>	<i>suave</i>			Walt.		Water-parsnip		14	2	28
<i>Aster</i>	<i>lanceolatus</i>			Willd.		Panicled aster		14	2	28
<i>Verbena</i>	<i>hastata</i>			L.		Blue vervain		14	2	28
<i>Potentilla</i>	<i>norvegica</i>			L.		Rough cinquefoil		14	2	28
<i>Acorus</i>	<i>calamus</i>			L.		Sweet flag		5	5	25
<i>Eriocaulon</i>	<i>aquaticum</i>			(Hill) Druce		Pipewort		5	5	25
<i>Hypericum</i>	<i>majus</i>			(Gray) Britt.		Large St. John's-wort		5	5	25

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<i>Lemna</i>	<i>spp.</i>					Lesser duckweed	10	2	20
<i>Alisma</i>	<i>triviale</i>			Pursh		Ordinary water-plantain	10	2	20
<i>Cirsium</i>	<i>muticum</i>			Michx.		Swamp thistle	10	2	20
<i>Lysimachia</i>	<i>terrestris</i>			(L.) BSP.		Yellow loosestrife	10	2	20
<i>Ranunculus</i>	<i>pensylvanicus</i>			L. f.		Bristly buttercup	10	2	20
<i>Aster</i>	<i>umbellatus</i>			Miller		Flat-topped aster	10	2	20
<i>Coryza</i>	<i>canadensis</i>			(L.) Cronq.		Horseweed	5	3	15
<i>Teucrium</i>	<i>canadense</i>			L.		Germander	5	3	15
<i>Anemone</i>	<i>canadensis</i>			L.		Canada anemone	5	3	15
<i>Erechtites</i>	<i>hieracifolia</i>			(L.) Raf.		Pilewort	5	3	15
<i>Helenium</i>	<i>autumnale</i>			L.		Autumn sneezeweed	5	3	15
<i>Helianthus</i>	<i>giganteus</i>			L.		Giant sunflower	5	3	15
<i>Stellaria</i>	<i>longifolia</i>			Muhl. ex Willd.		Long-leaved chickweed	5	3	15
<i>Aster</i>	<i>borealis</i>			(T. & G.) Provanch.		Bog aster	5	3	15
<i>Geum</i>	<i>aleppicum</i>	var.	<i>strictum</i>	Jacq.	(Ait.) Fern.	Yellow avens	5	3	15
<i>Viola</i>	<i>renifolia</i>			Gray		Kidney-leaf violet	5	3	15
<i>Smilacina</i>	<i>stellata</i>			(L.) Desf.		Starry false Solomon's-seal	5	3	15
<i>Stachys</i>	<i>palustris</i>			L.		Woundwort	5	3	15
<i>Polygonum</i>	<i>punctatum</i>			Ell.		Dotted smartweed	5	3	15
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	10	1	10
<i>Habenaria</i>	<i>psycodes</i>			(L.) Sprengel.		Small purple fringed-orchid	5	1	5
<i>Veronica</i>	<i>scutellata</i>			L.		Marsh speedwell	5	1	5
<i>Nuphar</i>	<i>luteum</i>			(L.) Sibth. & Sm.		Yellow pond-lily	5	1	5
<i>Urtica</i>	<i>dioica</i>	ssp.	<i>gracilis</i>	L.	(Ait.) Selander	Stinging nettle	5	1	5
<i>Calla</i>	<i>palustris</i>			L.		Wild calla	5	1	5
<i>Polygonum</i>	<i>lapathifolium</i>			L.		Nodding smartweed	5	1	5
<i>Polygonum</i>	<i>hydropiperoides</i>			Michx.		Mild water-pepper	5	1	5
<i>Erigeron</i>	<i>philadelphicus</i>			L.		Philadelphia fleabane	5	1	5
<i>Thalictrum</i>	<i>dasycarpum</i>			Fisch. & Lall.		Tall meadow-rue	5	1	5
<i>Saxifraga</i>	<i>pensylvanica</i>			L.		Swamp saxifrage	5	1	5
<i>Apios</i>	<i>americana</i>			Medic.		Groundnut	5	1	5
<i>Echinocystis</i>	<i>lobata</i>			(Michx.) T. & G.		Wild cucumber	5	1	5
<b>Grasses, Rushes and Sedges</b>									
<i>Carex</i>	<i>stricta</i>			Lam.		Tusssock-sedge	52	53	2756
<i>Carex</i>	<i>lacustris</i>			Willd.		Lake-sedge	67	32	2144

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<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint	67	13	871
<i>Carex</i>	<i>lasiocarpa</i>	var.	<i>americana</i>	Ehrh.	Fern.	Wire-sedge	33	15	495
<i>Scirpus</i>	<i>cyperinus</i>			(L.) Kunth		Wool-grass	33	13	429
<i>Glyceria</i>	<i>canadensis</i>			(Michx.) Trin.		Rattlesnake grass	10	20	200
<i>Carex</i>	<i>aquatilis</i>			Wahlenb.		Water sedge	5	38	190
<i>Dulichium</i>	<i>arundinaceum</i>			(L.) Britt.		Three-way sedge	14	8	112
<i>Leersia</i>	<i>oryzoides</i>			(L.) Swartz		Rice cut grass	14	8	112
<i>Carex</i>	<i>utriculata</i>			Boott		Beaked sedge	19	6	114
<i>Scirpus</i>	<i>validus</i>	var.	<i>creber</i>	Vahl	Fern.	Softstem bulrush	10	9	90
<i>Carex</i>	<i>prairea</i>			Dewey		Prairie sedge	19	4	76
<i>Juncus</i>	<i>canadensis</i>			J. Gay		Canada rush	5	15	75
<i>Scirpus</i>	<i>atrovirens</i>			Willd.		Dark green bulrush	5	15	75
<i>Carex</i>	<i>haydenii</i>			Dewey		Hayden's sedge	5	15	75
<i>Carex</i>	<i>scoparia</i>			Schkuhr ex Willd.		Pointed-broom sedge	19	3	57
<i>Poa</i>	<i>palustris</i>			L.		Fowl meadow-grass	14	4	56
<i>Spartina</i>	<i>pectinata</i>			Link		Prairie cord-grass	14	3	42
<i>Bromus</i>	<i>ciliatus</i>			L.		Fringed brome	10	4	40
<i>Eriophorum</i>	<i>angustifolium</i>			Honck.		Narrow-leaved cotton-grass	10	4	40
<i>Carex</i>	<i>diandra</i>			Schrank		Lesser-panicled sedge	10	4	40
<i>Carex</i>	<i>buxbaumii</i>			Wahlenb.		Buxbaum's sedge	10	4	40
<i>Scirpus</i>	<i>pungens</i>			Vahl		Three-square	5	5	25
<i>Glyceria</i>	<i>grandis</i>			S. Wats.		Tall manna-grass	10	2	20
<i>Carex</i>	<i>bebbii</i>			(Bailey) Fern.		Bebb's sedge	10	2	20
<i>Glyceria</i>	<i>striata</i>			(Lam.) Hitchc.		Fowl manna-grass	5	3	15
<i>Phragmites</i>	<i>australis</i>			(Cav.) Steud.		Common reed	5	3	15
<i>Muhlenbergia</i>	<i>racemosa</i>			(Michx.) BSP.		Marsh muhly grass	5	3	15
<i>Leersia</i>	<i>virginica</i>			Willd.		White grass	5	3	15
<i>Carex</i>	<i>sartwellii</i>			Dewey		Sartwell's sedge	5	3	15
<i>Carex</i>	<i>interior</i>			Bailey		Inland sedge	5	3	15
<i>Carex</i>	<i>stipata</i>			Muhl. ex Willd.		Awl-fruited sedge	5	3	15
<i>Carex</i>	<i>cephalantha</i>			(Bailey) Bickn.		Bunched sedge	5	3	15
<i>Scirpus</i>	<i>acutus</i>			Bigel.		Hard-stemmed bulrush	5	3	15
<i>Carex</i>	<i>tribuloides</i>			Wahlenb.		Blunt-broom sedge	5	3	15
<i>Carex</i>	<i>pellita</i>			Muhl.		Woolly sedge	5	3	15
<i>Carex</i>	<i>vesicaria</i>			L.		Inflated sedge	5	3	15

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<i>Agrostis</i>	<i>hyemalis</i>	var.	<i>scabra</i>	(Walter) BSP	(Willd.) Blomq.	Rough bent-grass	5	1	5
<i>Eleocharis</i>	<i>compressa</i>			Sulliv.		Flattened spike-rush	5	1	5
<b>Ferns and Fern Allies</b>									
<i>Thelypteris</i>	<i>palustris</i>			Schott		Northern marsh-fern	76	12	912
<i>Onoclea</i>	<i>sensibilis</i>			L.		Sensitive fern	24	6	144
<i>Equisetum</i>	<i>fluviatile</i>			L.		Water horsetail	10	3	30
<i>Equisetum</i>	<i>arvense</i>			L.		Field horsetail	5	1	5
<b>Exotic Invasive Species - Do Not Plant</b>									
<i>Phalaris</i>	<i>arundinacea</i>			L.		Reed canary-grass	10	3	30
<i>Cirsium</i>	<i>arvense</i>			(L.) Scop.		Canada thistle	5	3	15
<i>Polygonum</i>	<i>convolvulus</i>			L.		Black bindweed	5	3	15
<i>Rumex</i>	<i>crispus</i>			L.		Curly dock	5	3	15
<i>Cirsium</i>	<i>vulgare</i>			(Savi) Tenore		Bull thistle	10	1	10
<i>Ulmus</i>	<i>pumila</i>			L.		Siberian elm	5	1	5
<i>Leonurus</i>	<i>cardiaca</i>			L.		Lion's ear	5	1	5
<i>Crepis</i>	<i>tectorum</i>			L.		Yellow hawk's-beard	5	1	5
<i>Lythrum</i>	<i>salicaria</i>	var.	<i>tomentosum</i>	L.	(Mill.) DC.	Purple loosestrife	5	1	5
<i>Poa</i>	<i>pratensis</i>			L.		Kentucky bluegrass	5	1	5

<b>State Listed Rare Species - Do Not Plant Without a Permit</b>									
(none)									

<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