

SOUTHERN DRY SAVANNA, DRY SAND-GRAVEL OAK SAVANNA (SOUTHERN) TYPE										
Genus	Species		Variety or Subspecies	Species Author	Variety or Subspecies Author	Common Name	² Rarity Status	³ Freq	⁴ Abund	⁵ Index
Canopy Trees (>10 m)										
<i>Populus</i>	<i>tremuloides</i>			Michx.		Quaking aspen		11	15	165
<i>Quercus</i>	<i>macrocarpa</i>			Michx.		Bur oak		11	15	165
<i>Quercus</i>	<i>ellipsoidalalis</i>			E. J. Hill		Northern pin oak		22	3	66
Understory Trees										
<i>Quercus</i>	<i>macrocarpa</i>			Michx.		Bur oak		100	9	900
<i>Populus</i>	<i>tremuloides</i>			Michx.		Quaking aspen		33	10	330
<i>Juniperus</i>	<i>virginiana</i>			L.		Red cedar		33	6	198
<i>Quercus</i>	<i>ellipsoidalalis</i>			E. J. Hill		Northern pin oak		22	2	44
<i>Prunus</i>	<i>serotina</i>			Ehrh.		Black cherry		22	1	22
<i>Fraxinus</i>	<i>pennsylvanica</i>			Marsh.		Green ash		11	1	11
<i>Acer</i>	<i>rubrum</i>			L.		Red maple		11	1	11
Shrubs										
<i>Rhus</i>	<i>glabra</i>			L.		Smooth sumac		22	32	704
<i>Corylus</i>	<i>americana</i>			Walt.		American hazelnut		67	7	469
<i>Rosa</i>	<i>arkansana</i>			Porter		Prairie rose		89	2	178
<i>Salix</i>	<i>humilis</i>			Marsh.		Prairie willow		22	5	110
<i>Prunus</i>	<i>virginiana</i>			L.		Chokecherry		33	2	66
<i>Symphoricarpos</i>	cmx.					Snowberry		22	3	66
<i>Amelanchier</i>	cmx.					Juneberry		56	1	56
<i>Prunus</i>	<i>pumila</i>			L.		Sand cherry		11	3	33
<i>Cornus</i>	<i>sericea</i>			L.		Red-osier dogwood		11	1	11
<i>Ribes</i>	<i>cynosbati</i>			L.		Prickly gooseberry		11	1	11
Low Shrubs										
<i>Amorpha</i>	<i>canescens</i>			Pursh		Lead-plant		56	3	168
<i>Artemisia</i>	<i>frigida</i>			Willd.		Prairie sagewort		11	15	165
<i>Toxicodendron</i>	<i>rydbergii</i>			(Small) Greene		Poison ivy		33	4	132
<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
<i>Rubus</i>	cm2					Blackberry		11	1	11
Vines										
<i>Parthenocissus</i>	cmx.					Virginia creeper		33	2	66
Forbs										
<i>Helianthus</i>	<i>pauciflorus</i>	var.	<i>pauciflorus</i>	Nutt.		Stiff sunflower		33	15	495

¹Native Plant Community Species Lists for East-central Minnesota

Class: Southern Dry Savanna UPs14

Type: Dry Sand-Gravel Oak Savanna (Southern) UPs14b

<i>Amphicarpaea</i>	<i>bracteata</i>			(L.) Fern.		Hog-peanut	22	21	462
<i>Helianthemum</i>	<i>bicknellii</i>			Fern.		Hoary frostweed	89	4	356
<i>Lechea</i>	<i>stricta</i>			Leggett		Prairie pinweed	67	5	335
<i>Physalis</i>	<i>virginiana</i>			Mill.		Ground-cherry	100	3	300
<i>Geum</i>	<i>triflorum</i>			Pursh		Prairie smoke	44	7	308
<i>Artemisia</i>	<i>ludoviciana</i>			Nutt.		Western mugwort	44	7	308
<i>Smilacina</i>	<i>stellata</i>			(L.) Desf.		Starry false Solomon's-seal	44	7	308
<i>Ambrosia</i>	<i>psilostachya</i>			DC		Western ragweed	67	4	268
<i>Lithospermum</i>	<i>canescens</i>			(Michx.) Lehm.		Hoary puccoon	89	3	267
<i>Galium</i>	<i>boreale</i>	ssp.	<i>septentrionale</i>	L.	(Roem. & Schult.) Iltis	Northern bedstraw	33	8	264
<i>Antennaria</i>	<i>spp.</i>					Pussytoes	89	3	267
<i>Dalea</i>	<i>purpurea</i>			Vent.		Purple prairie-clover	78	3	234
<i>Coreopsis</i>	<i>palmata</i>			Nutt.		Stiff tickseed	44	4	176
<i>Viola</i>	<i>pedatifida</i>			G. Don		Prairie bird-foot violet	67	3	201
<i>Aster</i>	<i>oolentangiensis</i>			Riddell		Sky-blue aster	56	3	168
<i>Conyza</i>	<i>canadensis</i>			(L.) Cronq.		Horseweed	44	4	176
<i>Campanula</i>	<i>rotundifolia</i>			L.		Harebell	56	3	168
<i>Solidago</i>	<i>nemoralis</i>			Ait.		Gray goldenrod	44	3	132
<i>Dalea</i>	<i>candida</i>			Michx.		White prairie-clover	44	3	132
<i>Erigeron</i>	<i>strigosus</i>			Muhl.		Daisy fleabane	56	2	112
<i>Aster</i>	<i>sericeus</i>			Vent.		Silky aster	33	4	132
<i>Potentilla</i>	<i>arguta</i>			Pursh		Tall cinquefoil	67	2	134
<i>Asclepias</i>	<i>syrriaca</i>			L.		Common milkweed	56	2	112
<i>Anemone</i>	<i>cylindrica</i>			Gray		Long-headed thimbleweed	33	3	99
<i>Achillea</i>	<i>millefolium</i>			L.		Yarrow	33	3	99
<i>Aster</i>	<i>ericoides</i>			L.		Heath aster	44	2	88
<i>Liatris</i>	<i>aspera</i>			Michx.		Rough blazing star	44	2	88
<i>Lespedeza</i>	<i>capitata</i>			Michx.		Round-headed bush-clover	44	2	88
<i>Rumex</i>	<i>acetosella</i>			L.		Red sorrel	33	2	66
<i>Asclepias</i>	<i>ovalifolia</i>			Dcne.		Oval-leaved milkweed	33	2	66
<i>Oxalis</i>	<i>cmx.</i>					Wood-sorrel	33	2	66
<i>Cerastium</i>	<i>arvense</i>			L.		Field chickweed	33	2	66
<i>Euphorbia</i>	<i>glyptosperma</i>			Engelm.		Ridge-seeded spurge	22	3	66
<i>Anemone</i>	<i>patens</i>	var.	<i>multifida</i>	L.	Pritzel	Pasque-flower	22	3	66
<i>Hedeoma</i>	<i>hispida</i>			Pursh		Mock pennyroyal	22	3	66
<i>Lathyrus</i>	<i>venosus</i>	var.	<i>intonus</i>	Muhl. ex Willd.	Butt. & St. John	Veiny pea	44	2	88
<i>Solidago</i>	<i>speciosa</i>			Nutt.		Showy goldenrod	22	3	66

<i>Mirabilis</i>	<i>hirsuta</i>			(Pursh) MacM.		Hairy four-o'clock	22	3	66
<i>Penstemon</i>	<i>gracilis</i>			Nutt.		Slender beard-tongue	22	3	66
<i>Apocynum</i>	<i>androsaemifolium</i>			L.		Spreading dogbane	11	5	55
<i>Lithospermum</i>	<i>caroliniense</i>	ssp.	<i>croceum</i>	(Walt.) MacM.	(Fern.) Cusick	Hairy puccoon	33	2	66
<i>Rudbeckia</i>	<i>hirta</i>	var.	<i>pulcherrima</i>	L.	Farw.	Black-eyed Susan	33	2	66
<i>Scutellaria</i>	<i>leonardi</i>			Epling		Leonard's skullcap	22	2	44
<i>Phlox</i>	<i>pilosa</i>	ssp.	<i>fulgida</i>	L.	Wherry	Prairie phlox	22	2	44
<i>Pedicularis</i>	<i>canadensis</i>			L.		Wood-betony	11	3	33
<i>Euphorbia</i>	<i>corollata</i>			L.		Flowering spurge	11	3	33
<i>Fragaria</i>	<i>virginiana</i>			Duchesne		Common strawberry	11	3	33
<i>Geranium</i>	<i>maculatum</i>			L.		Wild geranium	11	3	33
<i>Oenothera</i>	<i>biennis</i>			L.		Common evening-primrose	11	3	33
<i>Comandra</i>	<i>umbellata</i>			(L.) Nutt.		Bastard toad-flax	11	3	33
<i>Monarda</i>	<i>fistulosa</i>			L.		Wild bergamot	11	3	33
<i>Solidago</i>	<i>missouriensis</i>			Nutt.		Missouri goldenrod	11	3	33
<i>Arabis</i>	<i>hirsuta</i>			(L.) Scop.		Hairy rock-cress	33	1	33
<i>Artemisia</i>	<i>campestris</i>			L.		Tall wormwood	11	3	33
<i>Ambrosia</i>	<i>artemisiifolia</i>			L.		Common ragweed	11	3	33
<i>Allium</i>	<i>stellatum</i>			Ker		Prairie wild onion	11	3	33
<i>Solidago</i>	<i>rigida</i>			L.		Stiff goldenrod	11	3	33
<i>Asclepias</i>	<i>tuberosa</i>			L.		Butterfly-weed	11	3	33
<i>Anaphalis</i>	<i>margaritacea</i>			(L.) Clarke		Pearly everlasting	11	3	33
<i>Delphinium</i>	<i>carolinianum</i>			Walter		Prairie larkspur	22	1	22
<i>Smilax</i>	<i>cmx.</i>					Carrion-flower	22	1	22
<i>Heuchera</i>	<i>richardsonii</i>			R. Br.		Alum-root	11	1	11
<i>Thalictrum</i>	<i>dasycarpum</i>			Fisch. & Lall.		Tall meadow-rue	11	1	11
<i>Lathyrus</i>	<i>ochroleucus</i>			Hook.		Pale vetchling	11	1	11
<i>Penstemon</i>	<i>grandiflorus</i>			Nutt.		Large-flowered beard-tongue	11	1	11
<i>Lactuca</i>	<i>spp.</i>					Wild lettuce	11	1	11
<i>Chenopodium</i>	<i>desiccatum</i>			Nels.		Narrow-leaved lamb's quarters	11	1	11
<i>Sisyrinchium</i>	<i>campestre</i>			Bickn.		Field blue-eyed grass	11	1	11
<i>Desmodium</i>	<i>canadense</i>			(L.) DC.		Canadian tick-trefoil	11	1	11
<i>Aralia</i>	<i>nudicaulis</i>			L.		Wild sarsaparilla	11	1	11
<i>Silene</i>	<i>antirrhina</i>			L.		Sleepy catchfly	11	1	11
<i>Prenanthes</i>	<i>racemosa</i>			Michx.		Smooth rattlesnake-root	11	1	11
<i>Ranunculus</i>	<i>rhomboideus</i>			Goldie		Prairie buttercup	11	1	11
<i>Arabis</i>	<i>divaricarpa</i>			Nels.		Spreading rock-cress	11	1	11
<i>Solidago</i>	<i>gigantea</i>			Ait.		Giant goldenrod	11	1	11

<i>Chrysopsis</i>	<i>villosa</i>	var.	<i>villosa</i>	(Pursh) Nutt.		Prairie golden aster		11	1	11
Grasses, Rushes and Sedges										
<i>Stipa</i>	<i>spartea</i>			Trin.		Porcupine-grass		67	26	1742
<i>Schizachyrium</i>	<i>scoparium</i>			(Michx.) Nash		Little bluestem		78	22	1716
<i>Andropogon</i>	<i>gerardii</i>			Vitman		Big bluestem		100	10	1000
<i>Sporobolus</i>	<i>heterolepis</i>			(Gray) Gray		Prairie dropseed		67	10	670
<i>Bouteloua</i>	<i>curtipendula</i>			(Michx.) Torr.		Side-oats grama		33	15	495
<i>Carex</i>	<i>siccata</i>			Dewey		Hay sedge		78	6	468
<i>Sorghastrum</i>	<i>nutans</i>			(L.) Nash		Indian grass		67	5	335
<i>Eragrostis</i>	<i>spectabilis</i>			(Pursh) Steud.		Purple lovegrass		78	3	234
<i>Koeleria</i>	<i>pyramidata</i>			(Lam.) P. Beauv.		June-grass		67	3	201
<i>Cyperus</i>	<i>lupulinus</i>			(Spreng.) Marcks		Hop-like cyperus		67	3	201
<i>Carex</i>	<i>pennsylvanica</i>			Lam.		Pennsylvania sedge		44	4	176
<i>Panicum</i>	<i>perlongum</i>			Nash		Long-leaved panic grass		44	3	132
<i>Panicum</i>	<i>lanuginosum</i>			Ell.		Hairy panic grass		33	4	132
<i>Elymus</i>	<i>trachycaulus</i>			(Link) Gould.		Slender wheatgrass		33	3	99
<i>Calamovilfa</i>	<i>longifolia</i>			(Hook.) Scribn.		Sand reed-grass		22	4	88
<i>Panicum</i>	<i>oligosanthes</i>			Schultes		Few-flowered panic grass		22	4	88
<i>Bromus</i>	<i>kalmii</i>			Gray		Kalm's brome		11	5	55
<i>Panicum</i>	<i>linearifolium</i>			Scribn.		Linear-leaved panic grass		22	2	44
<i>Setaria</i>	<i>viridis</i>			(L.) Beauv.		Green foxtail		22	2	44
<i>Bouteloua</i>	<i>gracilis</i>			(HBK.) Lag. ex Steud.		Blue grama		11	3	33
<i>Bouteloua</i>	<i>hirsuta</i>			Lag.		Hairy grama		11	3	33
<i>Muhlenbergia</i>	<i>cuspidata</i>			(Torr.) Rydb.		Plains muhly		11	3	33
<i>Calamagrostis</i>	<i>canadensis</i>			(Michx.) Nutt.		Bluejoint		11	3	33
<i>Aristida</i>	<i>basiramea</i>			Engelm.		Base-branched three-awn		11	3	33
<i>Agrostis</i>	<i>hyemalis</i>	var.	<i>scabra</i>	(Walter) BSP	(Willd.) Blomq.	Rough bent-grass		11	3	33
<i>Carex</i>	<i>brevior</i>			(Dewey) Mack.		Short sedge		11	3	33
<i>Carex</i>	<i>tenera</i>			Dewey		Marsh-straw sedge		11	3	33
Ferns and Fern Allies								0	0	0
<i>Equisetum</i>	<i>laevigatum</i>			A. Br.		Smooth scouring-rush		33	2	66

<i>Selaginella</i>	<i>rupestris</i>		(L.) Spring	Rock spikemoss		11	1	11
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Exotic Invasive Species - Do Not Plant								
<i>Poa</i>	<i>pratensis</i>		L.	Kentucky bluegrass		100	22	2200
<i>Tragopogon</i>	<i>dubius</i>		Scop.	Yellow goat's-beard		56	1	56
<i>Trifolium</i>	<i>repens</i>		L.	White clover		22	3	66
<i>Elytrigia</i>	<i>repens</i>		(L.) Nevski	Quack grass		22	3	66
<i>Berteroa</i>	<i>incana</i>		(L.) DC.	Hoary alyssum		11	3	33
<i>Taraxacum</i>	<i>spp.</i>			Common dandelion		11	3	33
<i>Potentilla</i>	<i>recta</i>		L.	Rough-fruited cinquefoil		11	3	33
<i>Salsola</i>	<i>tragus</i>		L.	Russian thistle		11	3	33
<i>Digitaria</i>	<i>ischaemum</i>		(Schreb.) Muhl.	Smooth crabgrass		11	3	33
<i>Bromus</i>	<i>inermis</i>		Leyss.	Smooth brome		11	3	33
<i>Setaria</i>	<i>glauca</i>		(L.) Beauv.	Yellow foxtail		11	3	33
<i>Linaria</i>	<i>vulgaris</i>		Hill.	Butter-and-eggs		11	1	11
<i>Verbascum</i>	<i>thapsus</i>		L.	Common mullein		11	1	11

State Listed Rare Species - Do Not Plant Without a Permit								
<i>Carex</i>	<i>obtusata</i>		Lilj.	Obtuse sedge	SC	33	4	132
<i>Cirsium</i>	<i>hillii</i>		(Canby) Fern.	Hill's thistle	SC	22	3	66
<i>Besseyia</i>	<i>bullii</i>		(Eat.) Rydb.	Kitten-tails	T	11	5	55
<i>Silene</i>	<i>drummondii</i>		Hook.	Drummond's campion	SC	11	1	11

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