

¹Native Plant Community Species Lists for East-central Minnesota

Class: Southern Dry-Mesic Oak Forest MHs37

| SOUTHERN DRY-MESIC OAK FOREST | | | | | | | | | | |
|-------------------------------|----------------------|------|-----------------------|-----------------|------------------------------|-------------------|----------------------------|-------------------|--------------------|--------------------|
| Genus | Species | | Variety or Subspecies | Species Author | Variety or Subspecies Author | Common Name | ² Rarity Status | ³ Freq | ⁴ Abund | ⁵ Index |
| Canopy Trees (>10m) | | | | | | | | | | |
| <i>Quercus</i> | <i>rubra</i> | | | L. | | Northern red oak | | 100 | 31 | 3100 |
| <i>Quercus</i> | <i>alba</i> | | | L. | | White oak | | 60 | 46 | 2760 |
| <i>Acer</i> | <i>rubrum</i> | | | L. | | Red maple | | 20 | 88 | 1760 |
| <i>Ostrya</i> | <i>virginiana</i> | | | (Mill.) K. Koch | | Ironwood | | 40 | 9 | 360 |
| <i>Ulmus</i> | <i>americana</i> | | | L. | | American elm | | 40 | 8 | 320 |
| <i>Tilia</i> | <i>americana</i> | | | L. | | Basswood | | 40 | 4 | 160 |
| <i>Carya</i> | <i>cordiformis</i> | | | (Wang.) K. Koch | | Bitternut hickory | | 40 | 3 | 120 |
| <i>Acer</i> | <i>negundo</i> | | | L. | | Box elder | | 20 | 1 | 20 |
| <i>Celtis</i> | <i>occidentalis</i> | | | L. | | Hackberry | | 20 | 1 | 20 |
| <i>Betula</i> | <i>papyrifera</i> | | | Marsh. | | Paper-birch | | 20 | 1 | 20 |
| <i>Fraxinus</i> | <i>pennsylvanica</i> | | | Marsh. | | Green ash | | 20 | 1 | 20 |
| <i>Prunus</i> | <i>serotina</i> | | | Ehrh. | | Black cherry | | 20 | 1 | 20 |
| Understory Trees | | | | | | | | | | |
| <i>Carya</i> | <i>cordiformis</i> | | | (Wang.) K. Koch | | Bitternut hickory | | 80 | 12 | 960 |
| <i>Tilia</i> | <i>americana</i> | | | L. | | Basswood | | 80 | 12 | 960 |
| <i>Prunus</i> | <i>serotina</i> | | | Ehrh. | | Black cherry | | 100 | 9 | 900 |
| <i>Ostrya</i> | <i>virginiana</i> | | | (Mill.) K. Koch | | Ironwood | | 100 | 8 | 800 |
| <i>Ulmus</i> | <i>rubra</i> | | | Muhl. | | Slippery elm | | 60 | 11 | 660 |
| <i>Ulmus</i> | <i>americana</i> | | | L. | | American elm | | 40 | 15 | 600 |
| <i>Acer</i> | <i>negundo</i> | | | L. | | Box elder | | 60 | 7 | 420 |
| <i>Acer</i> | <i>saccharum</i> | | | Marsh. | | Sugar maple | | 40 | 9 | 360 |
| <i>Acer</i> | <i>rubrum</i> | | | L. | | Red maple | | 40 | 8 | 320 |
| <i>Quercus</i> | <i>rubra</i> | | | L. | | Northern red oak | | 80 | 3 | 240 |
| <i>Celtis</i> | <i>occidentalis</i> | | | L. | | Hackberry | | 60 | 2 | 120 |
| <i>Fraxinus</i> | <i>pennsylvanica</i> | | | Marsh. | | Green ash | | 20 | 5 | 100 |
| <i>Quercus</i> | <i>alba</i> | | | L. | | White oak | | 20 | 3 | 60 |
| <i>Betula</i> | <i>papyrifera</i> | | | Marsh. | | Paper-birch | | 20 | 3 | 60 |
| <i>Carpinus</i> | <i>caroliniana</i> | ssp. | <i>virginiana</i> | Walt. | (Marsh.) Furlow | Blue beech | | 20 | 3 | 60 |
| <i>Fraxinus</i> | <i>nigra</i> | | | Marsh. | | Black ash | | 20 | 3 | 60 |

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| Shrubs | | | | | | | | | | |
|-----------------------|-----------------------|------|-------------------|------------------------|---------------------|-------------------------------|--|-----|----|------|
| <i>Ribes</i> | <i>cynosbati</i> | | | L. | | Prickly gooseberry | | 100 | 12 | 1200 |
| <i>Cornus</i> | <i>alternifolia</i> | | | L. f. | | Pagoda dogwood | | 100 | 6 | 600 |
| <i>Corylus</i> | <i>americana</i> | | | Walt. | | American hazelnut | | 40 | 9 | 360 |
| <i>Prunus</i> | <i>virginiana</i> | | | L. | | Chokecherry | | 60 | 4 | 240 |
| <i>Viburnum</i> | <i>rafinesquianum</i> | | | Schultes | | Downy arrow-wood | | 40 | 3 | 120 |
| <i>Ribes</i> | <i>missouriense</i> | | | Nutt. | | Missouri gooseberry | | 40 | 3 | 120 |
| <i>Sambucus</i> | <i>racemosa</i> | | | L. | | Red-berried elder | | 40 | 3 | 120 |
| <i>Corylus</i> | <i>cornuta</i> | | | Marsh. | | Beaked hazelnut | | 40 | 2 | 80 |
| <i>Zanthoxylum</i> | <i>americanum</i> | | | Mill. | | Prickly ash | | 40 | 2 | 80 |
| <i>Symphoricarpos</i> | <i>cmx</i> | | | | | Snowberry | | 20 | 3 | 60 |
| <i>Cornus</i> | <i>racemosa</i> | | | Lam. | | Gray dogwood | | 20 | 1 | 20 |
| <i>Viburnum</i> | <i>lentago</i> | | | L. | | Nannyberry | | 20 | 1 | 20 |
| <i>Rosa</i> | <i>blanda</i> | | | Ait. | | Smooth wild rose | | 20 | 1 | 20 |
| Low Shrubs | | | | | | | | | | |
| <i>Toxicodendron</i> | <i>rydbergii</i> | | | (Small) Greene | | Poison ivy | | 80 | 4 | 320 |
| <i>Rubus</i> | <i>cm1</i> | | | | | Blackberry | | 20 | 15 | 300 |
| <i>Rubus</i> | <i>idaeus</i> | var. | <i>strigosus</i> | L. | (Michx.) Maxim | Red raspberry | | 60 | 2 | 120 |
| Vines | | | | | | | | | | |
| <i>Parthenocissus</i> | <i>spp.</i> | | | | | Virginia creeper | | 100 | 6 | 600 |
| <i>Vitis</i> | <i>riparia</i> | | | Michx. | | Wild grape | | 60 | 6 | 360 |
| <i>Smilax</i> | <i>hispida</i> | | | Torr. | | Green-briar | | 20 | 15 | 300 |
| Forbs | | | | | | | | | | |
| <i>Desmodium</i> | <i>glutinosum</i> | | | (Muhl. ex Willd.) Wood | | Pointed-leaved tick-trefoil | | 80 | 18 | 1440 |
| <i>Osmorhiza</i> | <i>claytonii</i> | | | (Michx.) Clarke | | Clayton's sweet cicely | | 80 | 10 | 800 |
| <i>Geranium</i> | <i>maculatum</i> | | | L. | | Wild geranium | | 100 | 7 | 700 |
| <i>Phryma</i> | <i>leptostachya</i> | | | L. | | Lopseed | | 100 | 6 | 600 |
| <i>Circaea</i> | <i>lutetiana</i> | ssp. | <i>canadensis</i> | L. | (L.) Asch. & Magnus | Canada enchanter's nightshade | | 80 | 8 | 640 |
| <i>Galium</i> | <i>aparine</i> | | | L. | | Cleavers | | 40 | 10 | 400 |
| <i>Aralia</i> | <i>nudicaulis</i> | | | L. | | Wild sarsaparilla | | 60 | 6 | 360 |
| <i>Thalictrum</i> | <i>dioicum</i> | | | L. | | Early meadow-rue | | 100 | 4 | 400 |

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| | | | | | | | | | |
|----------------------|-------------------------|------|------------------|------------------|------------------|-------------------------------|-----|---|-----|
| <i>Uvularia</i> | <i>grandiflora</i> | | | Sm. | | Yellow bellwort | 100 | 3 | 300 |
| <i>Hydrophyllum</i> | <i>virginianum</i> | | | L. | | Virginia waterleaf | 60 | 4 | 240 |
| <i>Geum</i> | <i>canadense</i> | | | Jacq. | | White avens | 80 | 3 | 240 |
| <i>Osmorhiza</i> | <i>longistylis</i> | | | (Torr.) DC. | | Anise-root | 60 | 4 | 240 |
| <i>Arisaema</i> | <i>triphyllum</i> | | | (L.) Schott | | Jack-in-the-pulpit | 60 | 4 | 240 |
| <i>Amphicarpaea</i> | <i>bracteata</i> | | | (L.) Fern. | | Hog-peanut | 60 | 4 | 240 |
| <i>Smilacina</i> | <i>racemosa</i> | | | (L.) Desf. | | Racemose false Solomon's-seal | 80 | 3 | 240 |
| <i>Sanguinaria</i> | <i>canadensis</i> | | | L. | | Bloodroot | 80 | 3 | 240 |
| <i>Sanicula</i> | <i>marilandica</i> | | | L. | | Mariland black snakeroot | 60 | 3 | 180 |
| <i>Galium</i> | <i>triflorum</i> | | | Michx. | | Three-flowered bedstraw | 60 | 3 | 180 |
| <i>Cryptotaenia</i> | <i>canadensis</i> | | | (L.) DC. | | Honewort | 60 | 3 | 180 |
| <i>Maianthemum</i> | <i>canadense</i> | | | Desf. | | Canada mayflower | 60 | 3 | 180 |
| <i>Impatiens</i> | <i>spp.</i> | | | | | Touch-me-not | 40 | 4 | 160 |
| <i>Actaea</i> | <i>rubra</i> | | | (Ait.) Willd. | | Red baneberry | 60 | 2 | 120 |
| <i>Ranunculus</i> | <i>abortivus</i> | | | L. | | Kidney-leaf buttercup | 40 | 3 | 120 |
| <i>Eupatorium</i> | <i>rugosum</i> | | | Houtt. | | Common snakeroot | 40 | 3 | 120 |
| <i>Caulophyllum</i> | <i>thalictroides</i> | | | (L.) Michx. | | Blue cohosh | 40 | 3 | 120 |
| <i>Polygonatum</i> | <i>biflorum</i> | | | (Walter) Elliott | | Giant Solomon's-seal | 40 | 3 | 120 |
| <i>Erigeron</i> | <i>philadelphicus</i> | | | L. | | Philadelphia fleabane | 40 | 3 | 120 |
| <i>Hackelia</i> | <i>spp.</i> | | | | | Stickseed | 40 | 3 | 120 |
| <i>Viola</i> | <i>cm4</i> | | | | | Violet | 60 | 2 | 120 |
| <i>Aralia</i> | <i>racemosa</i> | | | L. | | American spikenard | 40 | 2 | 80 |
| <i>Urtica</i> | <i>dioica</i> | ssp. | <i>gracilis</i> | L. | (Ait.) Selander | Stinging nettle | 40 | 2 | 80 |
| <i>Sanicula</i> | <i>gregaria</i> | | | Bickn. | | Gregarious black snakeroot | 40 | 2 | 80 |
| <i>Aquilegia</i> | <i>canadensis</i> | | | L. | | Columbine | 20 | 3 | 60 |
| <i>Mitella</i> | <i>diphylla</i> | | | L. | | Two-leaved miterwort | 20 | 3 | 60 |
| <i>Uvularia</i> | <i>sessilifolia</i> | | | L. | | Pale bellwort | 20 | 3 | 60 |
| <i>Laportea</i> | <i>canadensis</i> | | | (L.) Wedd. | | Wood-nettle | 20 | 3 | 60 |
| <i>Anemone</i> | <i>americana</i> | | | ? | | Round-lobed hepatica | 20 | 3 | 60 |
| <i>Apocynum</i> | <i>androsaemifolium</i> | | | L. | | Spreading dogbane | 20 | 3 | 60 |
| <i>Dioscorea</i> | <i>villosa</i> | | | L. | | Wild yam | 20 | 3 | 60 |
| <i>Fragaria</i> | <i>vesca</i> | ssp. | <i>americana</i> | L. | (Porter) Staudt. | Wood strawberry | 20 | 3 | 60 |
| <i>Ranunculus</i> | <i>recurvatus</i> | | | Poir. | | Hooked crowfoot | 20 | 3 | 60 |
| <i>Galium</i> | <i>concinnum</i> | | | T. & G. | | Elegant bedstraw | 20 | 3 | 60 |
| <i>Aster</i> | <i>sagittifolius</i> | | | Willd. | | Tail-leaved aster | 20 | 3 | 60 |
| <i>Veronicastrum</i> | <i>virginicum</i> | | | (L.) Farw. | | Culver's root | 20 | 3 | 60 |

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| | | | | | | | | | | |
|--------------------|--------------------|--|--|-----------------|--|-----------------------|--|----|---|----|
| <i>Polygonatum</i> | <i>pubescens</i> | | | (Willd.) Pursh | | Hairy Solomon's-seal | | 20 | 3 | 60 |
| <i>Smilax</i> | <i>cmx.</i> | | | | | Carrion-flower | | 20 | 3 | 60 |
| <i>Pilea</i> | <i>spp.</i> | | | | | Clearweed | | 20 | 3 | 60 |
| <i>Monotropa</i> | <i>uniflora</i> | | | L. | | Indian pipe | | 20 | 1 | 20 |
| <i>Lathyrus</i> | <i>ochroleucus</i> | | | Hook. | | Pale vetchling | | 20 | 1 | 20 |
| <i>Fragaria</i> | <i>virginiana</i> | | | Duchesne | | Common strawberry | | 20 | 1 | 20 |
| <i>Stellaria</i> | <i>longifolia</i> | | | Muhl. ex Willd. | | Long-leaved chickweed | | 20 | 1 | 20 |

Grasses, Rushes and Sedges

| | | | | | | | | | | |
|----------------|------------------------|--|--|---------------------|--|--------------------|--|----|---|----|
| <i>Carex</i> | <i>pennsylvanica</i> | | | Lam. | | Pennsylvania sedge | | 40 | 2 | 80 |
| <i>Festuca</i> | <i>subverticillata</i> | | | (Pers.) E. Alexeev. | | Nodding fescue | | 20 | 3 | 60 |
| <i>Carex</i> | <i>radiata</i> | | | (Wahlenb.) Small | | Stellate sedge | | 20 | 3 | 60 |
| <i>Carex</i> | <i>blanda</i> | | | Dewey | | Charming sedge | | 20 | 1 | 20 |

Ferns and Fern Allies

| | | | | | | | | | | |
|-------------------|---------------------|------|--------------------|-----------|-----------------|------------------|--|-----|---|-----|
| <i>Athyrium</i> | <i>filix-femina</i> | var. | <i>angustum</i> | (L.) Roth | | Lady-fern | | 100 | 5 | 500 |
| <i>Osmunda</i> | <i>claytoniana</i> | | | L. | | Interrupted fern | | 40 | 5 | 200 |
| <i>Adiantum</i> | <i>pedatum</i> | | | L. | | Maidenhair fern | | 40 | 3 | 120 |
| <i>Pteridium</i> | <i>aquilinum</i> | var. | <i>latiusculum</i> | (L.) Kuhn | (Desv.) Underw. | Bracken | | 20 | 5 | 100 |
| <i>Botrychium</i> | <i>virginianum</i> | | | (L.) Sw. | | Rattlesnakefern | | 20 | 5 | 100 |

Exotic Invasive Species - Do Not Plant

| | | | | | | | | | | |
|------------------|-------------------|--|--|---------------|--|-----------------------|--|----|---|-----|
| <i>Rhamnus</i> | <i>cathartica</i> | | | L. | | Common buckthorn | | 60 | 7 | 420 |
| <i>Arctium</i> | <i>minus</i> | | | (Hill) Bernh. | | Common burdock | | 40 | 3 | 120 |
| <i>Lonicera</i> | <i>tatarica</i> | | | L. | | Tartarian Honeysuckle | | 40 | 2 | 80 |
| <i>Prunella</i> | <i>vulgaris</i> | | | L. | | Heal-all | | 20 | 3 | 60 |
| <i>Taraxacum</i> | <i>spp.</i> | | | | | Common dandelion | | 20 | 1 | 20 |

State Listed Rare Species - Do Not Plant Without a Permit

| | | | | | | | | | | |
|----------------|----------------|--|--|----|--|-----------|----|----|---|----|
| <i>Juglans</i> | <i>cinerea</i> | | | L. | | Butternut | SC | 20 | 1 | 20 |
|----------------|----------------|--|--|----|--|-----------|----|----|---|----|

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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