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## **Site 0046: 5 mi. W of Norwalk, Monroe County, Township 16N, Range 3W, Section 27. 1936**

[s.l.]: [s.n.], 1936

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Prairie Relic Study. III.

Section 27 Township 16N Range 3W County Monroe Place 5 mi. W of Norwalk  
Date 1936 Observer J. W. Thomson  
Habitat Description

High, thin soil, lime bluff prairie

|                        |                      |                          |
|------------------------|----------------------|--------------------------|
| Achillea millefolium   | Eryngium yuccif.     | ✓ Petalostemum pur.      |
| Ambrosia artemisiif.   | Euphorbia corollata  | Phlox pilosa             |
| ✓ Amorpha canescens    | Fragaria virginiana  | Physalis heteroph.       |
| Andropogon furcatus    | Galium boreale       | Physalis virginiana      |
| ✓ Andropogon scoparius | Gentiana andrewsii   | Potentilla arguta        |
| Anemone cylindrica     | Gentiana puberula    | Potentilla canad.        |
| Antennaria sp.         | Geranium maculatum   | Pycnanthemum virg.       |
| Apocynum androsaemif.  | Geum triflorum       | ✓ Quercus macrocarpa     |
| Apocynum cannabinum    | Helianthemum sp.     | Ratibida pinnata         |
| Artemisia caudata      | Helianthus grosse.   | ✓ Rhus glabra            |
| Asclepias syriaca      | Helianthus occid.    | Rosa sp.                 |
| Asclepias verticill.   | Helianthus rigidus   | Rudbeckia hirta          |
| Aster azureus          | Heuchera richard.    | Silphium integrif.       |
| Aster ericoides        | Hypoxis hirsuta      | Silphium laciniat.       |
| Aster laevis           | ✓ Koeleria cristata  | Silphium terebinth.      |
| Aster novae-angliae    | Kuhnia eupatorioid.  | Sisyrinchium sp.         |
| Aster sericeus         | Lactuca canadensis   | Smilacina stellata       |
| ✓ Baptisia leucantha   | Lactuca ludoviciana  | Solidago graminifolia    |
| Baptisia leucophaca    | Lathyrus venosus     | Solidago missouriensis   |
| ✓ Bouteloua curtipend. | Lespedeza capitata   | Solidago nemoralis       |
| Calamagrostis canad.   | Liatris aspera       | ✓ Solidago rigida        |
| Ceanothus americanus   | Liatris cylindracea  | Solidago speciosa        |
| Cirsium discolor       | Liatris pycnostachya | ✓ Sorghastrum nutans     |
| Comandra umbellata     | Lithospermum angust. | Spartina pectinata       |
| Convolvulus sepium     | Lithospermum canes.  | Spiraea alba             |
| Coreopsis palmata      | Lobelia spicata      | ✓ Sporobolus heterolepis |
| ✓ Corylus americana    | Monarda fistulosa    | Stipa spartea            |
| Desmodium canadense    | Oenothera biennis    | Thalictrum dasycarpum    |
| Desmodium illinoense   | Oxyopsis rigidior    | Tradescantia ohioensis   |
| Dodecatheon meadia     | Panicum leibergii    | Veronicastrum virgin.    |
| Elymus canadensis      | Panicum scribner.    | Viola pedata             |
| Equisetum laevigatum   | Panicum virgatum     | Viola petatitida         |
| Erigeron ramosus       | Petalostemum can.    | Vitis vulpina            |
|                        |                      | Zizia aurea              |

Additional Species

~~Bouteloua hirsuta~~  
Betula papyrifera  
Carya ovata  
Helianthus hirsutus?  
Quercus velutina

12 on List III  
3 " " IV  
4 extra

19



Prairie Relic Study. IV.

46  
C

Section 27 Township 16N Range 3W County Monroe Place 5 mi. W of Normal  
Date 1936 Observer J. W. Thomson  
Habitat Description

..... High thin soil, lime bluff prairie .....

|                               |                       |                         |
|-------------------------------|-----------------------|-------------------------|
| Acer negundo                  | Draba caroliniana     | <i>Polygala senega</i>  |
| Acerates floridana            | Elymus virginicus     | Polygala polygama       |
| Acerates lanuginosa           | Equisetum arvense     | Polygala sanguinea      |
| Acerates viridifl.            | Equisetum hyemale     | Polygala verticillata   |
| Agoseris cuspidata            | Erigeron philadelph.  | Polygonatum commutat.   |
| Allium canadense              | Erigeron pulchellus   | Polytaenia nuttallii    |
| Allium cernuum                | Galium tinctorium     | Populus tremuloides     |
| Ambrosia psilostach.          | Gentiana procera      | Prenanthes alba         |
| Anemone canadensis            | Gerardia aspera       | Prenanthes racemosa     |
| ✓ Anemone patens              | Habenaria leucophaea  | Prunella vulgaris       |
| Anemone quinquef.             | Hedeoma pinnatifida   | Psedera quinquefolia    |
| Arabis lyrata                 | Helianthus strumosus  | Psoralea esculenta      |
| Arenaria stricta              | Helopsis scabra       | Pteridium latiusculum   |
| Artemisia ludovic.            | Hieracium canadense   | Pyrus ioensis           |
| Asclepias amplexic.           | Hieracium longipil.   | Rhus radicans           |
| Asclepias ovalifolia          | Hieracium odorata.    | Rudbeckia subtomentosa  |
| Asclepias purpurasc.          | Iris virginica        | Sanicula sp.            |
| Asclepias sullivant.          | Krigia biflora        | Saxifraga pensylvanica  |
| Asclepias tuberosa            | Lathyrus ochroleucus  | ✓ Scutellaria parvula   |
| Aster linariifolius           | Lathyrus palustris    | Senecio aureus          |
| Aster oblongifolius           | Liatris spicata       | Silene antirrhina       |
| Aster pilosus                 | Lilium michiganense   | Silene stellata         |
| Aster ptarmicoides            | Lilium philadelph.    | Silphium perfoliatum    |
| Aster sagittifolius           | Linum sulcatum        | Smilacina racemosa      |
| Astragalus canad.             | Lithospermum croceum  | Solidago altissima      |
| Aureolaria grandifl.          | Lupinus perennis      | Solidago juncea         |
| Besseyia bullii               | Lycopus americanus    | Solidago riddellii      |
| Blephilia ciliata             | Lysimachia quadrifol. | Solidago serotina       |
| ✓ Bouteloua hirsuta           | Lythrum alatum        | Specularia perfoliata   |
| Brauneria pallida             | Muhlenbergia racemosa | Spiranthes ochroleuca   |
| Bromus kalmii                 | Onoclea sensibilis    | Stachys palustris       |
| Cacalia <del>snaveolens</del> | Orobanche uniflora    | Steironema ciliatum     |
| Cacalia tuberosa              | Oxalis violacea       | Steironema lanceolatum  |
| Calopogon pulchell.           | Oxybaphus nyctagin.   | Steironema quadriflorum |
| Carex pennsylvan.             | Panicum praecoxius    | Taenidia integerrima    |
| Castilleja coccinea           | Panicum perlongum     | Tephrosia virginiana    |
| Castilleja sessilifl.         | Parnassia carolin.    | Thaspium aureum         |
| Celastrus scandens            | Parthenium integrif.  | Valeriana edulis        |
| Cicuta maculata               | Pedicularis canadens. | Verbena stricta         |
| Cirsium hillii                | Pedicularia lanceol.  | Veronica fasciculata    |
| Cornus racemosa               | Phalaris arundinacea  | Vicia americana         |
| Cypripedium candidum          | Phlox glaberrima      | Viburnum sagittata      |
| Cypripedium pubesc.           | Polemonium reptans    | Zigadenus elegans       |
|                               |                       | Zizia aptera            |



|                                        |   |                          |
|----------------------------------------|---|--------------------------|
| Acalypha virginica                     |   | Aster novae-angliae      |
| Acer negundo                           |   | Aster oblongifolius      |
| Achillea millefolium                   |   | Aster paniculatus        |
| Agropyron smithii                      |   | Aster pilosus            |
| Agropyron trachycaulum                 |   | Aster ptarmicoides       |
| Aletris farinosa                       |   | Aster sagittifolius      |
| Allium canadense                       |   | Aster sericeus           |
| Allium cernuum                         |   | Aster umbellatus         |
| Ambrosia artemisiifolia                |   | Astragalus canadensis    |
| Ambrosia psilostachya <i>Amorpha</i> ✓ |   | Astragalus caryocarpus   |
| Ambrosia trifida                       | ✓ | Baptisia leucantha       |
| Amphicarpa bracteata                   |   | Baptisia leucophaea      |
| Anaphalis margaritacea                 | ✓ | Betula papyrifera        |
| Andropogon gerardi                     |   | Betula sandbergii        |
| Andropogon scoparius                   | ✓ | Blephilia ciliata        |
| Anemone canadensis                     | ✓ | Bouteloua curtipendula   |
| Anemone cylindrica                     | ✓ | Bouteloua hirsuta        |
| Anemone patens                         | ✓ | Bromus ciliatus          |
| Anemone quinquefolia                   |   | Bromus kalmii            |
| Anemone virginiana                     |   | Cacalia atriplicifolia   |
| Angelica atropurpurea                  |   | Cacalia suaveolens       |
| Antennaria spp.                        |   | Cacalia tuberosa         |
| Apios americana                        |   | Calamagrostis canadensis |
| Apocynum androsaemifolium              |   | Callirhoe triangulata    |
| Apocynum cannabinum                    |   | Calopogon pulchellus     |
| Aquilegia canadensis                   |   | Caltha palustris         |
| Arabis lyrata                          |   | Camassia scilloides      |
| Arenaria lateriflora                   |   | Campanula aparinoides    |
| Arenaria stricta                       |   | Campanula rotundifolia   |
| Artemisia caudata                      |   | Cardamine bulbosa        |
| Artemisia frigida                      |   | Carex bicknellii         |
| Artemisia ludoviciana                  |   | Carex muhlenbergii       |
| Artemisia serrata                      |   | Carex pensylvanica       |
| Asclepias amplexicaulis                |   | Carex vulpinoidea        |
| Asclepias incarnata                    | ✓ | Carya ovata              |
| Asclepias lanuginosa                   |   | Cassia fasciculata       |
| Asclepias longifolia                   |   | Castilleja coccinea      |
| Asclepias ovalifolia                   |   | Castilleja sessiliflora  |
| Asclepias purpurascens                 |   | Ceanothus americanus     |
| Asclepias sullivantii                  |   | Ceanothus ovatus         |
| Asclepias syriaca                      |   | Celastrus scandens       |
| Asclepias tuberosa                     |   | Celtis occidentalis      |
| Asclepias verticillata                 |   | Chelone glabra           |
| Asclepias viridiflora                  |   | Chrysopsis villosa       |
| Aster azureus                          |   | Cicuta maculata          |
| Aster ericoides                        |   | Cirsium discolor         |
| Aster laevis                           |   | Cirsium hillii           |
| Aster linariifolius                    |   | Cirsium muticum          |
| Aster lucidulus                        |   | Cirsium undulatum        |
|                                        |   | Comandra richardsiana    |
| Depth AO layer                         |   | Convolvulus sepium       |
| Depth of soil                          |   | Coreopsis palmata        |
| Soil pH                                |   | Cornus racemosa          |
| Soil MHC                               |   | Cornus stolonifera       |
| Volume Weight                          | ✓ | Corylus americana        |
| Calcium %                              |   | Crataegus spp.           |
| Potassium %                            |   | Cyperus filiculmis       |
| Phosphorus %                           |   | Cyperus schweinitzii     |
| Calcium lbs/acre                       |   | Cypripedium candidum     |
| Potassium lbs/acre                     |   | Cypripedium pubescens    |
| Phosphorus lbs/acre                    |   | Delphinium virescens     |
| NH4 lbs/acre                           |   | Desmodium canadense      |
| NO3 lbs/acre                           |   | Desmodium illinoense     |
|                                        |   | Dodecatheon meadia       |
|                                        |   | Draba reptans            |
|                                        |   | Dryopteris thelypteris   |

Data Form No. 61

Univ. of Wisconsin

Plant Ecology Research

Stand No:

46

Continuum Index:

Type:

Location:

T: R: S:

16N 3W 27

County:

Monroe

Place:

5 mi. W. of  
Norwalk

Investigators:

J. W. Thomson

Date:

1936

Method of Sampling:

Remarks:



|                                  |   |                                 |
|----------------------------------|---|---------------------------------|
| <i>Echinacea pallida</i>         |   | <i>Lactuca canadensis</i>       |
| <i>Elymus canadensis</i>         |   | <i>Lactuca ludoviciana</i>      |
| <i>Elymus virginicus</i>         |   | <i>Lathyrus ochroleucus</i>     |
| <i>Epilobium adenocaulon</i>     |   | <i>Lathyrus palustris</i>       |
| <i>Equisetum arvense</i>         |   | <i>Lathyrus venosus</i>         |
| <i>Equisetum hyemale</i>         |   | <i>Lechea tenuifolia</i>        |
| <i>Equisetum kansanum</i>        |   | <i>Leersia virginica</i>        |
| <i>Erigeron philadelphicus</i>   |   | <i>Leptoloma cognatum</i>       |
| <i>Erigeron pulchellus</i>       |   | <i>Lespedeza capitata</i>       |
| <i>Erigeron strigosus</i>        |   | <i>Lespedeza violacea</i>       |
| <i>Eriophorum virginicum</i>     |   | <i>Liatris aspera</i>           |
| <i>Eryngium yucifolium</i>       |   | <i>Liatris cylindracea</i>      |
| <i>Eupatorium altissimum</i>     |   | <i>Liatris ligulistylis</i>     |
| <i>Eupatorium maculatum</i>      |   | <i>Liatris punctata</i>         |
| <i>Eupatorium perfoliatum</i>    |   | <i>Liatris pycnostachya</i>     |
| <i>Eupatorium rugosum</i>        |   | <i>Liatris spicata</i>          |
| <i>Euphorbia corollata</i>       |   | <i>Lilium michiganense</i>      |
| <i>Fragaria virginiana</i>       |   | <i>Lilium philadelphicum</i>    |
| <i>Galium boreale</i>            |   | <i>Linum sulcatum</i>           |
| <i>Galium labradoricum</i>       |   | <i>Liparis loeselii</i>         |
| <i>Galium tinctorium</i>         |   | <i>Lithospermum canescens</i>   |
| <i>Gaura biennis</i>             |   | <i>Lithospermum croceum</i>     |
| <i>Gentiana andrewsii</i>        |   | <i>Lithospermum incisum</i>     |
| <i>Gentiana crinita</i>          |   | <i>Lobelia kalmii</i>           |
| <i>Gentiana flavida</i>          |   | <i>Lobelia siphilitica</i>      |
| <i>Gentiana procera</i>          |   | <i>Lobelia spicata</i>          |
| <i>Gentiana puberula</i>         |   | <i>Lupinus perennis</i>         |
| <i>Gentiana quinquefolia</i>     |   | <i>Lycopus americanus</i>       |
| <i>Gentiana saponaria</i>        |   | <i>Lycopus uniflorus</i>        |
| <i>Geranium maculatum</i>        |   | <i>Lysimachia ciliata</i>       |
| <i>Gerardia aspera</i>           |   | <i>Lysimachia lanceolata</i>    |
| <i>Gerardia gattingeri</i>       |   | <i>Lysimachia quadriflora</i>   |
| <i>Gerardia grandiflora</i>      |   | <i>Lysimachia quadrifolia</i>   |
| <i>Geum triflorum</i>            |   | <i>Lythrum alatum</i>           |
| <i>Glyceria striata</i>          |   | <i>Mentha arvensis</i>          |
| <i>Gnaphalium obtusifolium</i>   |   | <i>Mimulus ringens</i>          |
| <i>Grindelia squarrosa</i>       |   | <i>Mirabilis nyctagineus</i>    |
| <i>Habenaria flava</i>           |   | <i>Monarda fistulosa</i>        |
| <i>Habenaria leucophaea</i>      |   | <i>Monarda punctata</i>         |
| <i>Hedeoma hispida</i>           |   | <i>Muhlenbergia cuspidata</i>   |
| <i>Helenium autumnale</i>        |   | <i>Muhlenbergia mexicana</i>    |
| <i>Helianthemum canadense</i>    |   | <i>Muhlenbergia racemosa</i>    |
| <i>Helianthus grosseserratus</i> |   | <i>Napaea dioica</i>            |
| <i>Helianthus laetiflorus</i>    | ✓ | <i>Oenothera biennis</i>        |
| <i>Helianthus occidentalis</i>   |   | <i>Oenothera perennis</i>       |
| <i>Helianthus strumosus</i>      |   | <i>Oenothera rhombipetala</i>   |
| <i>Heliopsis helianthoides</i>   |   | <i>Onoclea sensibilis</i>       |
| <i>Heuchera richardsonii</i>     |   | <i>Onosmodium hispidissimum</i> |
| <i>Hieracium canadense</i>       |   | <i>Onosmodium occidentale</i>   |
| <i>Hieracium longipilum</i>      |   | <i>Ophioglossum vulgatum</i>    |
| <i>Hierochloa odorata</i>        |   | <i>Opuntia humifusa</i>         |
| <i>Houstonia caerulea</i>        |   | <i>Orobanche fasciculata</i>    |
| <i>Houstonia longifolia</i>      |   | <i>Orobanche uniflora</i>       |
| <i>Hypericum mutilum</i>         |   | <i>Oxalis violacea</i>          |
| <i>Hypericum canadense</i>       |   | <i>Oxypolis rigidior</i>        |
| <i>Hypoxis hirsuta</i>           |   | <i>Panicum implicatum</i>       |
| <i>Hystrix patula</i>            |   | <i>Panicum leibergii</i>        |
| <i>Iris virginica</i>            |   | <i>Panicum oligosanthos</i>     |
| <i>Juncus dudleyi</i>            |   | <i>Panicum perlongum</i>        |
| <i>Juncus tenuis</i>             |   | <i>Panicum praecocius</i>       |
| <i>Juniperus communis</i>        |   | <i>Panicum virgatum</i>         |
| <i>Juniperus virginiana</i>      |   | <i>Parnassia glauca</i>         |
| <i>Koeleria cristata</i>         | ✓ | <i>Parthenium integrifolium</i> |
| <i>Krigia biflora</i>            |   | <i>Parthenocissus inserta</i>   |
| <i>Krigia virginica</i>          |   | <i>Pedicularis canadensis</i>   |
| <i>Kuhnia eupatorioides</i>      |   | <i>Pedicularis lanceolata</i>   |

Data Form No. 62

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# 46



#46

|                                   |   |                                    |
|-----------------------------------|---|------------------------------------|
| <i>Pentstemon digitalis</i>       |   | <i>Senecio aureus</i>              |
| <i>Pentstemon gracilis</i>        |   | <i>Senecio pauperculus</i>         |
| <i>Pentstemon grandiflorus</i>    |   | <i>Silene antirrhina</i>           |
| <i>Petalostemum candidum</i>      |   | <i>Silene stellata</i>             |
| <i>Petalostemum purpureum</i>     | ✓ | <i>Silphium integrifolium</i>      |
| <i>Petalostemum villosum</i>      |   | <i>Silphium laciniatum</i>         |
| <i>Phalaris arundinacea</i>       |   | <i>Silphium perfoliatum</i>        |
| <i>Phlox glaberrima</i>           |   | <i>Silphium terebinthinaceum</i>   |
| <i>Phlox pilosa</i>               |   | <i>Sisyrinchium campestre</i>      |
| <i>Physalis heterophylla</i>      |   | <i>Sium suave</i>                  |
| <i>Physalis subglabrata</i>       |   | <i>Smilacina racemosa</i>          |
| <i>Physalis virginiana</i>        |   | <i>Smilacina stellata</i>          |
| <i>Physocarpus opulifolius</i>    |   | <i>Smilax herbacea</i>             |
| <i>Physostegia virginiana</i>     |   | <i>Solidago altissima</i>          |
| <i>Plantago purshii</i>           |   | <i>Solidago canadensis</i>         |
| <i>Plantago rugelii</i>           |   | <i>Solidago gigantea</i>           |
| <i>Polemonium reptans</i>         |   | <i>Solidago graminifolia</i>       |
| <i>Polygala polygama</i>          |   | <i>Solidago juncea</i>             |
| <i>Polygala sanguinea</i>         |   | <i>Solidago missouriensis</i>      |
| <i>Polygala senega</i>            |   | <i>Solidago nemoralis</i>          |
| <i>Polygala verticillata</i>      |   | <i>Solidago ohioensis</i>          |
| <i>Polygonatum commutatum</i>     |   | <i>Solidago riddellii</i>          |
| <i>Polygonum amphibium</i>        | ✓ | <i>Solidago rigida</i>             |
| <i>Polygonum tenue</i>            |   | <i>Solidago speciosa</i>           |
| <i>Polytaenia nuttallii</i>       | ✓ | <i>Sorghastrum nutans</i>          |
| <i>Populus tremuloides</i>        |   | <i>Spartina pectinata</i>          |
| <i>Potentilla arguta</i>          |   | <i>Specularia perfoliata</i>       |
| <i>Potentilla canadensis</i>      |   | <i>Spiraea alba</i>                |
| <i>Potentilla fruticosa</i>       |   | <i>Spiranthes cernua</i>           |
| <i>Prenanthes alba</i>            |   | <i>Spiranthes gracilis</i>         |
| <i>Prenanthes aspera</i>          |   | <i>Spiranthes ochroleuca</i>       |
| <i>Prenanthes racemosa</i>        |   | <i>Sporobolus asper</i>            |
| <i>Prunella vulgaris</i>          |   | <i>Sporobolus cryptandrus</i>      |
| <i>Prunus americana</i>           | ✓ | <i>Sporobolus heterolepis</i>      |
| <i>Prunus pumila</i>              |   | <i>Sporobolus vaginiflorus</i>     |
| <i>Prunus serotina</i>            |   | <i>Stachys palustris</i>           |
| <i>Prunus virginiana</i>          |   | <i>Stellaria longifolia</i>        |
| <i>Psoralea argophylla</i>        |   | <i>Stipa spartea</i>               |
| <i>Psoralea esculenta</i>         |   | <i>Symphoricarpos occidentalis</i> |
| <i>Pteridium latiusculum</i>      |   | <i>Taenidia integerrima</i>        |
| <i>Pycnanthemum virginianum</i>   |   | <i>Tephrosia virginiana</i>        |
| <i>Pyrus ioensis</i>              |   | <i>Teucrium canadense</i>          |
| <i>Pyrus melanocarpa</i>          |   | <i>Thalictrum dasycarpum</i>       |
| <i>Quercus macrocarpa</i>         | ✓ | <i>Thaspium aureum</i>             |
| <i>Ranunculus fascicularis</i>    |   | <i>Tofieldia glutinosa</i>         |
| <i>Ranunculus rhomboideus</i>     |   | <i>Tradescantia ohienensis</i>     |
| <i>Ranunculus septentrionalis</i> |   | <i>Triosteum perfoliatum</i>       |
| <i>Ratibida pinnata</i>           |   | <i>Valeriana ciliata</i>           |
| <i>Rhus glabra</i>                | ✓ | <i>Verbena hastata</i>             |
| <i>Rhus radicans</i>              |   | <i>Verbena stricta</i>             |
| <i>Rosa spp.</i>                  |   | <i>Vernonia fasciculata</i>        |
| <i>Rubus spp.</i>                 |   | <i>Veronicastrum virginicum</i>    |
| <i>Rudbeckia hirta</i>            |   | <i>Vicia americana</i>             |
| <i>Rudbeckia laciniata</i>        |   | <i>Vicia augustifolia</i>          |
| <i>Rudbeckia subtomentosa</i>     |   | <i>Vicia villosa</i>               |
| <i>Rumex verticillatus</i>        |   | <i>Viola cucullata</i>             |
| <i>Salix humilis</i>              |   | <i>Viola lanceolata</i>            |
| <i>Sanicula gregaria</i>          |   | <i>Viola pedata</i>                |
| <i>Sanicula marilandica</i>       |   | <i>Viola pedatifida</i>            |
| <i>Sanicula sp.</i>               |   | <i>Viola sagittata</i>             |
| <i>Saxifraga pensylvanica</i>     |   | <i>Vitis aestivalis</i>            |
| <i>Scleria triglomerata</i>       |   | <i>Vitis riparia</i>               |
| <i>Scrophularia lanceolata</i>    |   | <i>Wulfenia bullii</i>             |
| <i>Scutellaria epilobiifolia</i>  |   | <i>Xanthoxylum americanum</i>      |
| <i>Scutellaria parvula</i>        | ✓ | <i>Zigadenus elegans</i>           |
| <i>Selaginella apoda</i>          |   | <i>Zizia aptera</i>                |
| <i>Selaginella rupestris</i>      |   | <i>Zizia aurea</i>                 |