

Columbines School of Botanical Studies  
 Second Year Apprenticeship Program  
 Trip #6 Sagebrush Steppes

May 20, 22, 2018

Juniper Zone and Riparian Zone 2674'

Ponderosa Pine Zone 2674'

<http://www.botanicalstudies.net/botany/plantlists.php>

Family	Genus	Name	Uses	Seen
<b>Poaceae (Gramineae)</b>	Bromus tectorum *	<b>Cheatgrass</b>		X
	Festuca idahoensis	<b>Idaho Fescue</b>		
	Poa secunda (Poa sandbergii)	<b>Bluegrass</b>		
	Pseudoroegneria spicata (Agropyron spicatum)	<b>Wheatgrass</b>		
<b>Liliaceae</b>	Fritillaria pudica	<b>Yellow Bells</b>	No Pick	
<b>Amaryllidaceae (Liliaceae)</b>	Allium parvum	<b>Small Onion</b>	Edible	
<b>Asparagaceae (Liliaceae)</b>	Leucocrinum montanum	<b>Sand Lily</b>	Unknown	
<b>Melanthiaceae (Liliaceae)</b>	Toxicoscordion paniculatum (Zygadenus paniculatus)	<b>Death Camas</b>	Poisonous	X
<b>Iridaceae</b>	Iris pseudacorus	<b>Yellow Iris</b>	Poisonous	
<b>Cupressaceae</b>	Juniperus sp.	<b>Juniper</b>	Medicinal	
<b>Pinaceae</b>	Pinus ponderosa	<b>Ponderosa Pine</b>	Edible	
<b>Polygonaceae</b>	Eriogonum sp.	<b>Wild Buckwheat</b>	Edible, Medicinal	
	Eriogonum umbellatum	<b>Wild Buckwheat</b>	Edible, Medicinal	X
	Rumex crispus *	<b>Yellow Dock</b>	Edible/Medicinal	
<b>Montiaceae (Portulacaceae)</b>	Lewisia rediviva	<b>Bitterroot</b>	Edible	
	Montia perfoliata	<b>Miner's Lettuce</b>	Edible	

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Family	Genus	Name	Uses	Seen
<b>Caryophyllaceae</b>	Arenaria franklinii	<b>Franklin's Sandwort</b>	Unknown	
	Silene douglasii	<b>Bladder Campion</b>		
<b>Ranunculaceae</b>	Delphinium sp.	<b>Larkspur</b>	Poisonous	X
<b>Berberidaceae</b>	Berberis repens	<b>Creeping Oregon Grape</b>	Edible, Medicinal	
<b>Brassicaceae (Cruciferae)</b>	Alyssum desertorum *	<b>Desert Alyssum</b>	Edible	
	Arabis sp.	<b>Rock Cress</b>	Edible	
	Descurainia sophia *	<b>Flixweed</b>	Edible?	X
	Draba sp.	<b>Draba</b>	Edible	
	Erysimum asperum	<b>Wallflower</b>	Edible	
	Lepidium campestris *	<b>Peppergrass</b>	Edible	
	Sisymbrium altissimum *	<b>Tumblemustard</b>	Edible?	
	Unidentified Cruciferae		Poisonous	
<b>Crassulaceae</b>	Sedum stenopetalum	<b>Stonecrop</b>	Edible	X
<b>Saxifragaceae</b>	Lithophragma parviflora	<b>Prairie Star/Ragged Starflower</b>		
<b>Grossulariaceae</b>	Ribes cereum	<b>Wild Currant</b>	Edible	X
<b>Rosaceae</b>	Amelanchier alnifolia	<b>Service Berry</b>	Edible	
	Holodiscus dumosus var. glabrescens	<b>Bush Oceanspray, Rock Spirea</b>		
	Potentilla glandulosa	<b>Sticky Potentilla</b>	Medicinal	
	Prunus virginiana	<b>Choke Cherry</b>	Edible	
	Purshia tridentata	<b>Bitterbrush</b>	Medicinal	X
<b>Fabaceae (Leguminosae)</b>	Astragalus sp.	<b>Yellow Flower Locoweed (White-purple)</b>	Poisonous Poisonous	

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Family	Genus	Name	Uses	Seen
<b>Fabaceae (Leguminosae)</b>	Lupinus sp.	<b>Lupine</b>	Poisonous	
	Trifolium eriocephalum	<b>Wooly Clover</b>	Edible	X
	Trifolium macrocephalum	<b>Big Headed Clover</b>	Edible	X
<b>Linaceae</b>	Linum perenne	<b>Flax</b>	Edible	X
<b>Loasaceae</b>	Mentzelia albicaulis	<b>Blazing Star</b>		
<b>Onagraceae</b>	Clarkia gracilis	<b>Clarkia</b>		
	Clarkia pulchella	<b>Pink Fairies, Ragged Robbin</b>		
	Oenothera tanacetifolia	<b>Tansy-leafed Primrose</b>	Edible/Medicinal	
<b>Apiaceae (Umbelliferae)</b>	Foeniculum vulgare *	<b>Fennel</b>	Edible/Medicinal	
	Lomatium grayi	<b>Biscuit Root</b>	Edible	
	Lomatium macrocarpum	<b>Biscuit Root</b>	Edible	X
	Lomatium nevadensis	<b>Biscuit Root</b>	Edible	
	Lomatium triternatum	<b>Biscuit Root</b>	Edible	X
<b>Cornaceae</b>	Cornus stolonifera	<b>Creek Dogwood</b>	Medicinal	
<b>Apocynaceae (Asclepiadaceae)</b>	Asclepias speciosa	<b>Milkweed</b>		
<b>Polemoniaceae</b>	Collomia grandiflora	<b>Collomia</b>		
	Phlox hoodii	<b>Phlox</b>		
	Phlox longifolia	<b>Large pink flowers</b>		
	Phlox sp.	<b>Phlox</b>		X
<b>Hydrophyllaceae</b>	Phacelia heterophylla	<b>Phacelia</b>	Edible	X
	Phacelia linearis	<b>Phacelia</b>	Edible	X
<b>Boraginaceae</b>	Amsinckia sp.	<b>Fiddleneck</b>	Poisonous	

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Family	Genus	Name	Uses	Seen
<b>Boraginaceae</b>	Cryptantha sp.	<b>White Forget-Me-Not</b>	Poisonous	
	Lithospermum ruderale	<b>Stoneseed</b>	PA's	X
	Unidentified Boraginaceae	<b>White Forget-Me-Not</b>		
<b>Lamiaceae (Labiatae)</b>	Scutellaria nana	<b>Desert Skullcap</b>	Medicinal	X
<b>Scrophulariaceae</b>	Verbascum thapsus	<b>Mullein</b>	Medicinal	X
<b>Phrymaceae (Scrophulariaceae)</b>	Mimulus nanus	<b>Dwarf Monkeyflower</b>	Edible	
	Mimulus sp.	<b>Very Small Monkeyflower</b>	Edible	
<b>Plantaginaceae (Scrophulariaceae)</b>	Collinsia parviflora	<b>Blue-eyed Mary</b>	Unknown	
	Penstemon sp. (2)	<b>Penstemon</b>	Medicinal	X
<b>Orobanchaceae (Scrophulariaceae)</b>	Castilleja sp.	<b>Indian Paintbrush</b>	Edible w/caution	
	Orthocarpus sp.	<b>Owl's Clover</b>	Edible w/caution	
<b>Orobanchaceae</b>	Orobanche sp.	<b>Broomrape</b>	No Pick	
<b>Valerianaceae</b>	Plectritis congesta	<b>Corn Salad</b>	Edible/Medicinal	
<b>Asteraceae (Compositae)</b>	Achillea millefolium	<b>Yarrow</b>	Medicinal	
	Antennaria sp.	<b>Everlasting</b>	Medicinal	
	Artemisia ludoviciana spp. latiloba	<b>Mugwort</b>	Medicinal	X
	Artemisia tridentata	<b>Sagebrush</b>	Medicinal	X
	Aster sp.	<b>Aster</b>	Poisonous	
	Balsamorhiza sp.	<b>Arrow Leaf Balsam Root</b>	Edible/Medicinal	X
	Blepharipappus scaber	<b>Blepharipappus</b>		X
	Centaurea sp.	<b>Knapweed</b>		
	Chaenactis sp.	<b>Dusty Maidens</b>		
	Chrysothamnus nauseosus	<b>Rabbitbrush</b>		X

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Family	Genus	Name	Uses	Seen
<b>Asteraceae (Compositae)</b>	Chrysothamnus viscidiflorus	<b>Rabbitbrush</b>		X
	DYC	<b>Agoseris, Microseris, or Crepis sp.</b>	Poisonous	X
	Erigeron linearis	<b>Narrowleaf Daisy</b>		
	Erigeron sp.	<b>Daisy</b>		
	Eriophyllum lanatum	<b>Woolly Sunflower</b>		
	Senecio integerrimus	<b>Groundsel</b>	Poisonous	
	Senecio sp.		Poisonous	
	Townsendia sp.	<b>Townsendia</b>		
	Tragopogon cf. porrifolius	<b>Salsify</b>	Edible	
-	Unknown Daisy-like Flower	<b>Rayless</b>		
<b>Parmeliaceae</b>	Letharia vulpina	<b>Wolf Lichen</b>	Poisonous	X

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**Trip Highlights**

**Botany**

Key out *Balsamorhiza sp.*, *Chrysothamnus viscidiflorus*, *Artemisia tridentata*, and *Purshia tridentata*

Determined Field Characteristics of *Balsamorhiza sp.* vs. *Wyethia sp.*

Asteraceae Botany Review

**Wildcrafting**

Locate, Harvest, and Process *Scutellaria nana*

**Ecology**

*Pinus ponderosa* Zone Review

Ecology of the Juniper-Sagebrush Steppes

Ecology of the Native and Invasive Grasses of the Juniper-Sagebrush Steppes