

Columbines School of Botanical Studies
 Second Year Apprenticeship Program
 Trip #6 Sagebrush Steppes
 May 21, 2023

Juniper Zone and Riparian Zone 2674'

Ponderosa Pine Zone 2674'

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

Family	Genus	Name	Uses	Seen
Melanthiaceae (Liliaceae)				
	Toxicoscordion paniculatum (Zigadenus paniculatus)	Death Camas	Poisonous	X
Liliaceae				
	Fritillaria pudica	Yellow Bells	No Pick	
Amaryllidaceae (Liliaceae)				
	Allium sp.	Small Onion	Edible	
Asparagaceae (Liliaceae)				
	Leucocrinum montanum	Sand Lily	Unknown	
		White Brodiaea	Edible	
	Triteleia cf. hyacinthina (Brodiaea cf. h.)			
	Triteleia grandiflora	Triteleia	Edible	X
Poaceae (Gramineae)				
	Bromus tectorum *	Cheatgrass		X
	Festuca idahoensis	Idaho Fescue		
	Poa secunda (P. sandbergii)	Bluegrass		
	Pseudoroegneria spicata (Agropyron spicatum)	Wheatgrass		
Pinaceae				
	Pinus ponderosa	Ponderosa Pine	Edible	X
Cupressaceae				
	Juniperus occidentalis	Western Juniper	Medicinal	X
Berberidaceae				
	Mahonia repens (Berberis r.)	Creeping Oregon Grape	Edible, Medicinal	X
Ranunculaceae				
	Delphinium nuttallianum	Upland Larkspur	Poisonous	X
Grossulariaceae				
	Ribes cereum	Wild Currant	Edible	X

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Family	Genus	Name	Uses	Seen
Saxifragaceae				
	Lithophragma parviflorum	Prairie Star/Ragged Starflower		
Crassulaceae				
	Sedum stenopetalum	Stonecrop	Edible	
Fabaceae (Leguminosae)				
	Astragalus conjunctus	Stiff Milk-vetch	Poisonous	X
	Astragalus sp.	Yellow Flower	Poisonous	
	Lupinus sp.	Lupine	Poisonous	X
	Trifolium eriocephalum	Wooly Clover	Edible	X
	Trifolium macrocephalum	Big Headed Clover	Edible	X
Rosaceae				
	Amelanchier alnifolia	Service Berry	Edible	
	Drymocallis glandulosa (Potentilla g.)	Sticky Potentilla	Medicinal	
	Holodiscus microphyllus var. glabrescens (H. dumosus var. g.)	Bush Oceanspray, Rock Spirea		
	Prunus virginiana	Choke Cherry	Edible	
	Purshia tridentata	Bitterbrush	Medicinal	X
	Rosa sp.	Rose	Medicinal	
Salicaceae				
	Populus trichocarpa	Poplar	Medicinal	
Linaceae				
	Linum sp.	Flax	Edible/Medicinal	X
Onagraceae				
	Clarkia gracilis	Clarkia		
	Clarkia pulchella	Pink Fairies, Ragged Robin		
	Taraxia tanacetifolia (Oenothera t.)	Tansy-leafed Primrose	Edible/Medicinal	
Brassicaceae (Cruciferae)				
	Alyssum desertorum *	Desert Alyssum	Edible	
	Arabis sp.	Rock Cress	Edible	
	Draba sp.	Draba	Edible	
	Sisymbrium altissimum *	Tumblemustard	Edible	X
	Unidentified Cruciferae		Poisonous	
Polygonaceae				
	Eriogonum sp.	Wild Buckwheat	Edible, Medicinal	X

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Family	Genus	Name	Uses	Seen
Polygonaceae	Eriogonum umbellatum	Wild Buckwheat	Edible, Medicinal	
	Rumex crispus *	Yellow Dock	Edible/Medicinal	
Caryophyllaceae				
	Silene douglasii	Bladder Campion		
Montiaceae (Portulacaceae)				
	Claytonia perfoliata (Montia p.)	Miner's Lettuce	Edible	X
	Claytonia rubra (Montia p.)	Miner's Lettuce	Edible	
	Lewisia rediviva	Bitterroot	Edible	X
Loasaceae				
	Mentzelia albicaulis	Blazing Star		
	Mentzelia veatchiana	Blazing Star		
Cornaceae				
	Cornus stolonifera	Creek Dogwood	Medicinal	
Polemoniaceae				
	Collomia grandiflora	Collomia		
	Phlox cf. diffusa	Phlox		
Boraginaceae				
	Amsinckia sp.	Fiddleneck	Poisonous (Pas)	
	Cryptantha sp.	Forget-Me-Not	Poisonous (Pas)	
	Lithospermum ruderales	Stoneseed	Poisonous (Pas)	
	Plagiobothrys sp.	Popcorn Flower	Poisonous (Pas)	
Hydrophyllaceae				
	Phacelia heterophylla	Phacelia	Edible	
	Phacelia linearis	Phacelia	Edible	
Plantaginaceae (Scrophulariaceae)				
	Collinsia parviflora	Blue-eyed Mary	Unknown	
	Penstemon gairdneri	Penstemon	Medicinal	
	Penstemon sp.	Penstemon	Medicinal	
Scrophulariaceae				
	Verbascum thapsus	Mullein	Medicinal	X
Lamiaceae (Labiatae)				
	Scutellaria nana	Desert Skullcap	Medicinal	

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Phrymaceae (Scrophulariaceae)				
	<i>Diplacus nanus</i> (Mimulus n.)	Dwarf Monkeyflower	Edible	
Orobanchaceae (Scrophulariaceae)				
	<i>Castilleja</i> sp.	Indian Paintbrush	Edible w/caution	
	<i>Orthocarpus</i> sp.	Owl's Clover	Edible w/caution	
Orobanchaceae				
	<i>Aphyllon</i> sp. (Orobanche sp.)	Broomrape	No Pick	
Asteraceae (Compositae)				
	<i>Achillea millefolium</i>	Yarrow	Medicinal	
	<i>Antennaria dimorpha</i>	Cushion Pussytoes	Medicinal	
	<i>Antennaria luzuloides</i>	Woodrush Pussytoes	Medicinal	
	<i>Artemisia ludoviciana</i> ssp. <i>candicans</i> (A. l. var. <i>latiloba</i>)	Mugwort	Medicinal	X
	<i>Artemisia tridentata</i>	Sagebrush	Medicinal	X
	<i>Aster</i> sp.	Aster	Poisonous	
	<i>Balsamorhiza careyana</i>	Carey's Balsam Root	Edible/Medicinal	X
	<i>Balsamorhiza sagittata</i>	Arrow Leaf Balsam Root	Edible/Medicinal	
	<i>Blepharipappus scaber</i>	Blepharipappus		
	cf. <i>Centaurea</i> sp.	Knapweed		
	<i>Chaenactis</i> sp.	Dusty Maidens		
	<i>Chrysothamnus viscidiflorus</i>	Rabbitbrush		X
	<i>Crepis occidentalis</i>	Western Hawksbeard	Poisonous	
	<i>Crocidium multicaule</i>	Gold Fields		
	<i>Ericameria nauseosa</i> (<i>Chrysothamnus nauseosus</i>)	Rabbitbrush		X
	<i>Erigeron linearis</i>	Narrowleaf Daisy		
	<i>Eriophyllum lanatum</i>	Woolly Sunflower		
	<i>Madia gracilis</i>	Tarweed	Edible	
	<i>Nothocalais troximoides</i>	Fake Agoseris	Poisonous	X
	<i>Senecio integerrimus</i>	Groundsel	Poisonous	
	<i>Senecio vulgaris</i>	Groundsel	Poisonous	
	<i>Taraxacum officinale</i>	Dandelion		
	<i>Townsendia florifer</i>	Townsendia		
	<i>Tragopogon</i> cf. <i>porrifolius</i>	Salsify	Edible	
Valerianaceae				
	<i>Plectritis macrocera</i>	Corn Salad	Edible/Medicinal	X

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Apiaceae (Umbelliferae)				
	Lomatium grayi	Biscuit Root	Edible	
	Lomatium macrocarpum	Biscuit Root	Edible	X
	Lomatium nevadensis	Biscuit Root	Edible	
	Lomatium nudicaule	Biscuit Root	Edible	
	Lomatium triternatum	Biscuit Root	Edible	X
Parmeliaceae				
	Letharia vulpina	Wolf Lichen	Poisonous	X

**Columbines School of Botanical Studies
Second Year Field Trip #6
Western Juniper Forests
Trip Highlights**

Botany

Key out *Balsamorhiza* sp. and *Purshia tridentata*
Asteraceae Botany Review
Introduction to *Lomatium* spp.

Ecology

Pinus ponderosa Zone Review
Pinus ponderosa Zone Fire Ecology
Ecology of the *Juniperus occidentalis* Woodlands
Ecology of the Native and Invasive Grasses of the Juniper-Sagebrush Steppes