

Columbines School of Botanical Studies
 Second Year Apprenticeship Program
 Trip #6 Sagebrush Steppes
 May 17, 2020

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	
Iridaceae				
	Iris pseudacorus	Yellow Iris	Poisonous	
Amaryllidaceae (Liliaceae)				
	Allium cf. parvum	Small Onion	Edible	x
Asparagaceae (Liliaceae)				
	Leucocrinum montanum	Sand Lily	Unknown	
		White Brodiaea	Edible	x
	Triteleia cf. hyacinthina (Brodiaea cf. h.)			
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	
Cupressaceae				
	Juniperus sp.	Juniper	Medicinal	
Berberidaceae				
	Berberis repens	Creeping Oregon Grape	Edible, Medicinal	
Ranunculaceae				
	Delphinium nuttallianum	Upland Larkspur	Poisonous	x
Grossulariaceae				

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Family	Genus	Name	Uses	Seen
Grossulari	Ribes cereum	Wild Currant	Edible	x
Saxifragaceae				
	Lithophragma parviflorum	Prairie Star/Ragged Starflower		
Crassulaceae				
	Sedum stenopetalum	Stonecrop	Edible	
Fabaceae (Leguminosae)				
	Astragalus sp.	Yellow Flower	Poisonous	x
		Locoweed (White-purple)	Poisonous	x
	Lupinus sp.	Lupine	Poisonous	
	Trifolium eriocephalum	Wooly Clover	Edible	x
	Trifolium macrocephalum	Big Headed Clover	Edible	x
	Unidentified Fabaceae	White	Poisonous	
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	
Linaceae				
	Linum perenne	Flax	Edible/Medicinal	
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	x
	Descurainia sophia *	Flixweed	Edible?	
	Draba sp.	Draba	Edible	
	Erysimum asperum	Wallflower	Edible	
	Lepidium campestre *	Peppergrass	Edible	
	Sisymbrium altissimum *	Tumblemustard	Edible	x
	Unidentified Cruciferae		Poisonous	

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Family	Genus	Name	Uses	Seen
Polygonaceae				
	Eriogonum sp.	Wild Buckwheat	Edible, Medicinal	
	Eriogonum umbellatum	Wild Buckwheat	Edible, Medicinal	x
	Rumex crispus *	Yellow Dock	Edible/Medicinal	
Caryophyllaceae				
	cf. Arenaria sp.	Sandwort	Unknown	
	Silene douglasii	Bladder Campion		
Montiaceae (Portulacaceae)				
	Claytonia perfoliata (Montia p.)	Miner's Lettuce	Edible	
	Lewisia rediviva	Bitterroot	Edible	x
Loasaceae				
	Mentzelia albicaulis	Blazing Star		
Cornaceae				
	Cornus stolonifera	Creek Dogwood	Medicinal	
Polemoniaceae				
	Collomia grandiflora	Collomia		
	Phlox longifolia	Large pink flowers		
	Phlox sp.	Phlox		
Apocynaceae (Asclepiadaceae)				
	Asclepias speciosa	Milkweed		
Boraginaceae				
	Amsinckia sp.	Fiddleneck	Poisonous	
	Cryptantha sp.	White Forget-Me-Not	Poisonous	
	Lithospermum ruderales	Stoneseed	PA's	x
	Unidentified Boraginaceae	White Forget-Me-Not		
Hydrophyllaceae				
	Phacelia heterophylla	Phacelia	Edible	
	Phacelia linearis	Phacelia	Edible	
Plantaginaceae (Scrophulariaceae)				
	Collinsia parviflora	Blue-eyed Mary	Unknown	
	Penstemon sp.	Penstemon	Medicinal	

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Family	Genus	Name	Uses	Seen
Scrophulariaceae				
	<i>Verbascum thapsus</i>	Mullein	Medicinal	
Lamiaceae (Labiatae)				
	<i>Scutellaria nana</i>	Desert Skullcap	Medicinal	x
Phrymaceae (Scrophulariaceae)				
	<i>Diplacus nanus</i> (Mimulus n.)	Dwarf Monkeyflower	Edible	
	<i>Mimulus</i> sp. incl. <i>Diplacus</i> , <i>Eryanthranthe</i>	Very Small 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. (<i>Orobanche</i> sp.)	Broomrape	No Pick	
Asteraceae (Compositae)				
	<i>Achillea millefolium</i>	Yarrow	Medicinal	
	<i>Antennaria</i> sp.	Everlasting	Medicinal	x
	<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</i> sp.	Arrow Leaf Balsam Root	Edible/Medicinal	x
	<i>Blepharipappus scaber</i>	Blepharipappus		x
	cf. <i>Centaurea</i> sp.	Knapweed		
	cf. <i>Senecio</i> sp.		Poisonous	
	<i>Chaenactis</i> sp.	Dusty Maidens		
	<i>Chrysothamnus viscidiflorus</i>	Rabbitbrush		x
	DYC	Agoseris, Microseris, or Crepis sp.	Poisonous	x
	<i>Ericameria nauseosa</i> (<i>Chrysothamnus nauseosus</i>)	Rabbitbrush		x
	<i>Erigeron linearis</i>	Narrowleaf Daisy		
	<i>Erigeron</i> sp.	Daisy		
	<i>Eriophyllum lanatum</i>	Woolly Sunflower		
	<i>Senecio integerrimus</i>	Groundsel	Poisonous	
	<i>Townsendia</i> sp.	Townsendia		x
	<i>Tragopogon</i> cf. <i>porrifolius</i>	Salsify	Edible	
	Unknown Daisy-like Flower	Rayless		

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Family	Genus	Name	Uses	Seen
Valerianaceae				
	<i>Plectritis congesta</i>	Corn Salad	Edible/Medicinal	
Apiaceae (Umbelliferae)				
	<i>Lomatium grayi</i>	Biscuit Root	Edible	
	<i>Lomatium macrocarpum</i>	Biscuit Root	Edible	x
	<i>Lomatium nevadensis</i>	Biscuit Root	Edible	
	<i>Lomatium triternatum</i>	Biscuit Root	Edible	x
Parmeliaceae				
	<i>Letharia vulpina</i>	Wolf Lichen	Poisonous	x

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Trip Highlights

Botany

Key out *Balsamorhiza* sp. and *Purshia tridentata*

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

Asteraceae Botany Review

Wildcrafting

Located, harvested, and processed *Scutellaria nana* tincture

Introduction to *Lomatium* spp.

Ecology

Pinus ponderosa Zone Review

Ecology of the Juniper-Sagebrush Steppes

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