

Columbines School of Botanical Studies  
 Spring Apprenticeship Program  
 Trip #5 Low Elevation Seepy Cliffs

May 11, 12, 2018

Seepy Cliffs 1500', 2500'  
 Low Elevation Coniferous Woods and Riparian 1500'  
 Middle Elevation Coniferous Woods and Riparian 3100'

Family	Genus	Name	Uses
<b>Orchidaceae</b>	Calypso bulbosa	<b>Calypso Orchid</b>	No Pick
<b>Portulacaceae</b>	Montia parvifolia	<b>Small Leaf Montia</b>	Edible
<b>Ranunculaceae</b>	Delphinium sp.	<b>Larkspur</b>	Poisonous
	Thalictrum sp.	<b>Meadow-rue</b>	Poisonous
<b>Crassulaceae</b>	Sedum oreganum	<b>Stonecrop</b>	Edible
<b>Saxifragaceae</b>	Saxifraga sp.	<b>Saxifrage</b>	Edible
<b>Grossulariaceae</b>	Ribes sanguineum	<b>Red Flowering Currant</b>	Edible
<b>Fabaceae (Leguminosae)</b>	Cytisus monspessulanus	<b>Moonlight Broom</b>	Poisonous
	Cytisus scoparius	<b>Scotch Broom</b>	Poisonous
<b>Aceraceae</b>	Acer circinatum	<b>Vine Maple</b>	Edible
	Acer macrophyllum	<b>Big leaf Maple</b>	Edible (choice)
<b>Apiaceae (Umbelliferae)</b>	Lomatium hallii	<b>Biscuit Root</b>	Edible
<b>Cornaceae</b>	Cornus nuttallii	<b>Dogwood</b>	Medicinal
<b>Hydrophyllaceae</b>	Phacelia sp.	<b>Phacelia</b>	Edible
<b>Scrophulariaceae</b>	Collinsia parviflora	<b>Small Blue-eyed Mary</b>	Edibility unknown
	Mimulus alsinoides	<b>Baby Monkey Flower</b>	Edible
	Mimulus guttatus	<b>Common Monkey Flower</b>	Edible
<b>Valerianaceae</b>	Valeriana scouleri	<b>Low-elevation Valerian</b>	Medicinal
<b>Animal Interactions</b>	Beaver logging		
	Branta canadensis	<b>Canada Geese</b>	
	Lizard		
	Tachycineta thalassina	<b>Violet Green Swallows</b>	

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**Field Trip #5**  
**Low Elevation Seepy Cliffs**

**Botany**

Scrophulariaceae family description

*Mimulus* genus description

Keyed out *Mimulus guttatus*

Scrophulariaceae: Bilabiate flower, two lobes on the top and three lobes on the bottom,  
gamopetalous (united corolla); 2, 4, 5 stamens

Hydrophyllaceae: Scorpioid inflorescence, exserted stamens

Fabaceae (Leguminosae): Uniquely zygomorphic, banner, wings, and keel

Saxifragaceae: Split ovary

**Low Elevation Coniferous Woods**

Changes from last week

**Low to Middle Elevation Riparian Zone**

Locating *Valeriana scouleri*

Exploring creeksides

**Middle Elevation Coniferous Woods**

Introduction to middle elevation