

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

May 9, 12, 2020

Seepy Cliffs 1500'
 Low Elevation Coniferous Woods and Riparian 2000'

Family	Genus	Name	Uses
Araceae	Lysichiton americanus (L. americanum)	Skunk Cabbage	-/+ Edible
Berberidaceae	Berberis nervosa	Mountain Oregon Grape	Edible, Medicinal
Ranunculaceae	Thalictrum sp.	Meadow-rue	Poisonous
Saxifragaceae	Saxifraga mertensiana	Rock Saxifrage	Edible
Crassulaceae	Sedum oreganum	Stonecrop	Edible
Fabaceae (Leguminosae)	Cytisus scoparius	Scotch Broom	Poisonous
	Genista monspessulana (Cytisus monspessulanus)	Moonlight Broom	Poisonous
Rosaceae	Fragaria vesca	Wild Strawberry	Edible (Choice)
Sapindaceae (Aceraceae)	Acer circinatum	Vine Maple	Edible
	Acer macrophyllum	Big Leaf Maple	Edible (Choice)
Montiaceae (Portulacaceae)	Claytonia perfoliata (Montia p.)	Miner's Lettuce	Edible (Choice)
	Claytonia sibirica (Montia s.)	Candyflower	Edible (Choice)
Cornaceae	Cornus nuttallii	Dogwood	Medicinal
Hydrophyllaceae	Phacelia sp.	Phacelia	Edible
Plantaginaceae (Scrophulariaceae)	Collinsia grandiflora	Large Blue-eyed Mary	Edibility unknown

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 Trip #5 Low Elevation Riparian Zone

Family	Genus	Name	Uses
Phrymaceae (Scrophulariaceae)			
	Erythranthe alsinoides (Mimulus a.)	Baby Monkey Flower	Edible
	Erythranthe guttata (Mimulus g.)	Common Monkey Flower	Edible
Asteraceae (Compositae)			
	Petasites frigidus	Western Coltsfoot	Edible, Medicinal w
Valerianaceae			
	Valeriana scouleri	Low-elevation Valerian	Medicinal
Apiaceae (Umbelliferae)			
	Lomatium hallii	Biscuit Root	Edible
Animal Interactions			
	Philaenus spumarius	Spittle Bug	
	Tachycineta thalassina	Violet Green Swallows	

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Field Trip #5
Low Elevation Seepy Cliffs

Botany

Phrymaceae family description

Erythranthe genus description

Keyed out *Erythranthe guttata* (*Mimulus guttatus*)

Scrophulariaceae *Sensu lato*: Bilabiate flower, two lobes on the top and three lobes on the bottom, gamopetalous (united corolla)

Hydrophyllaceae: Scorpioid inflorescence, exserted stamens

Fabaceae (Leguminosae): Uniquely bilaterally symmetric, 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