

Columbines School of Botanical Studies  
Spring Apprenticeship Program  
Trip #6 Ericaceae

May 12, 13, 2023

Hudsonian Zone Lava 3152'  
Low Elevation Coniferous Woods 1753'

Family	Genus	Name	Uses
<b>Melanthiaceae (Liliaceae)</b>			
	Trillium ovatum	<b>Birth Root</b>	No Pick
<b>Orchidaceae</b>			
	Calypso bulbosa	<b>Calypso Orchid</b>	No Pick
<b>Papaveraceae (Fumariaceae)</b>			
	Dicentra formosa	<b>Bleeding Hearts</b>	Poison, Medicinal
<b>Berberidaceae</b>			
	Mahonia nervosa (Berberis n.)	<b>Mountain Oregon Grape</b>	Edible, Medicinal
<b>Ranunculaceae</b>			
	Anemone lyallii	<b>Small Windflower</b>	Poisonous
<b>Grossulariaceae</b>			
	Ribes sanguineum	<b>Red Flowering Currant</b>	Edible
<b>Saxifragaceae</b>			
	Micranthes rufidula (Saxifraga r.)	<b>Lava Saxifrage</b>	Edible
	Saxifraga mertensiana	<b>Rock Saxifrage</b>	Edible
<b>Rosaceae</b>			
	Oemleria cerasiformis	<b>Osoberry</b>	Edible (Choice)
	Rubus spectabilis	<b>Salmonberry</b>	Edible (Choice), Me
<b>Celastraceae</b>			
	Paxistima myrsinites (Pachistima m.)	<b>Oregon Box</b>	Ornamental
<b>Violaceae</b>			
	Viola glabella	<b>Woods Violet</b>	Edible (Choice)
<b>Aceraceae</b>			
	Acer macrophyllum	<b>Big leaf Maple</b>	Edible (Choice)
<b>Montiaceae (Portulacaceae)</b>			
	Claytonia sibirica (Montia s.)	<b>Candyflower</b>	Edible (Choice)
<b>Ericaceae</b>			
	Arctostaphylos columbiana	<b>Hairy Manzanita</b>	Food/Medicine

Columbines School of Botanical Studies  
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 Trip #6 *Ceanothus*

Family	Genus	Name	Uses
Ericaceae	Arctostaphylos nevadensis	<b>Kinnikinnik</b>	Edible, Medicinal
		<b>Hybrid Species</b>	Edible, Medicinal
	Arctostaphylos nevadensis × patula		
	Arctostaphylos patula	<b>Green Manzanita</b>	Edible, Medicinal
	Vaccinium parvifolium	<b>Red Huckleberry</b>	Edible (Choice), Me
<b>Asteraceae (Compositae)</b>			
	Petasites frigidus	<b>Western Coltsfoot</b>	Edible, Medicinal
<b>Valerianaceae</b>			
	Valeriana scouleri	<b>Low-elevation Valerian</b>	Edible, Medicinal
<b>Apiaceae (Umbelliferae)</b>			
	Lomatium cf hallii	<b>Spring Gold, Biscuit Root</b>	Edible
<b>Animal Interactions</b>			
	Branta canadensis	<b>Canada Geese</b>	

## Columbines School of Botanical Studies

### Field Trip #6

### Ericaceae

#### Wildcrafting Principles

Is the stand healthy? You may need a year round vision. The *Ceanothus* sp. looked sick because of last year's persistent leaves, but the stand was healthy. The plant hadn't "woken up" for the year yet. Appearances may be deceiving.

Plant Locating Techniques: Scanning and Calypso Eyes

#### Botany

Keyed out: *Arctostaphylos nevadensis* and *Arctostaphylos patula*  
Flower dissection

The species definition and *Arctostaphylos* hybridization

Ericaceae: Generally, urn shaped flowers, anthers awned or opening by pores.

Papaveraceae (Fumariaceae *sensu stricto*): two sets of three stamens

It may generally be somewhat rather rainy, snowy, or frying hot when we key out, be prepared.

#### Low Elevation Coniferous Woods and Seepy Cliffs

Tasted *Vaccinium parvifolium* flower and leaves, *Saxifraga mertensiana* flowers and leaves, *Oemleria cerasiformis* leaves, *Vaccinium parvifolium* flowers and leaves, *Petasites frigidus* peeled stems, and *Asarum caudatum* roots.

#### Middle Elevation Coniferous Woods

Generally occurs at 4000' in Oregon, but it can vary wildly

Hudsonian Zone: Lava dominated soils, often a dominant layer of *Chimaphila umbellata*.

Canadian Zone: Often a dominant layer of *Xerophyllum tenax*.