

Columbines School of Botanical Studies
Spring Apprenticeship Program
Trip #7 Endless Taxonomy

May 19, 20, 23, 2017
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Middle Elevation Coniferous Woods 3342'
Middle Elevation Lava 2959'
Low Elevation Coniferous Woods and Riparian 2000-2200'
Low Elevation Seepy Cliffs 2350'

Family	Genus	Name	Uses
Liliaceae	Prosartes hookeri (Disporum hookeri)	Fairy Bells	Cathartic
Asparagaceae (Liliaceae)	Maianthemum racemosum (Smilacina racemosa)	Large False Solomon's Seal	Medicinal
Melanthiaceae (Liliaceae)	Trillium ovatum	Trillium	No Pick
Orchidaceae	Calypso bulbosa	Calypso Orchid	No Pick
	Neottia cordata (Listera cordata)	Twayblade	No Pick
Aristolochiaceae	Asarum caudatum	Wild Ginger	Spice, Medicinal
Portulacaceae	Montia parvifolia	Small Leaved Montia	Edible
	Montia sibirica	Candy Flower	Choice Edible
Ranunculaceae	Anemone lyallii	Small Windflower	Poisonous
	Delphinium sp.	Larkspur	Poisonous
	Ranunculus uncinatus	Woods Buttercup	Poisonous
Berberidaceae	Berberis nervosa	Oregon Grape	Edible, Medicinal
Fumariaceae	Dicentra formosa	Bleeding Hearts	Poisonous
Crassulaceae	Sedum oreganum	Stonecrop	Edible
Saxifragaceae	Mitella caulescens	Large Bishop's Cap	Unknown
	Saxifraga sp. (2)	Saxifrage	Edible
Grossulariaceae	Ribes bracteosum	Stinking Black Currant	Edible
	Ribes sanguineum	Red Flowering Currant	Edible
Rosaceae	Fragaria vesca	Wild Strawberry	Edible, Medicinal
	Oemleria cerasiformis	Oso Berry	Edible
	Rubus spectabilis	Salmonberry	Edible, Medicinal
Celastraceae	Pachystima myrsinites	Oregon Box	Ornamental

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Family	Genus	Name	Uses
Aceraceae	<i>Acer circinatum</i>	Vine Maple	Edible
	<i>Acer macrophyllum</i>	Big leaf Maple	Edible
Rhamnaceae	<i>Ceanothus velutinus</i>	Ceanothus	Soap/Medicinal
Violaceae	<i>Viola</i> sp.	Violet	Choice Edible
Apiaceae (Umbelliferae)	<i>Lomatium hallii</i>	Biscuit Root	Edible
Cornaceae	<i>Cornus nuttallii</i>	Dogwood	Edible, Medicinal
Ericaceae	<i>Arctostaphylos columbiana</i>	Hairy Manzanita	Edible, Medicinal
	<i>Arctostaphylos nevadensis</i>	Kinnikkinnik	Edible, Medicinal
	<i>Arctostaphylos patula</i>	Green Manzanita	Edible, Medicinal
	<i>Vaccinium parvifolium</i>	Huckleberry	Edible, Medicinal
Hydrophyllaceae	<i>Hydrophyllum tenuipes</i>	Waterleaf	Choice Edible
	<i>Phacelia</i> sp.	Phacelia	Edible
Scrophulariaceae	<i>Collinsia parviflora</i>	Small Blue Eyed Mary	Unkown
	<i>Mimulus alsinoides</i>	Baby Monkeyflower	Edible
	<i>Mimulus guttatus</i>	Monkeyflower	Edible
Valerianaceae	<i>Valeriana scouleri</i>	Valerian	Medicinal
Asteraceae (Compositae)	<i>Petasites frigidus</i>	Western Coltsfoot	Edible, Medicinal w/caution PA's

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Botany

Violaceae Family Description

Viola Genus Description

Keyed out: *Cornus nutallii* and *Acer circinatum*

Violaceae: Uniquely irregular flower, two petals on top, three petals on the bottom, petals distinct or polypetalous, five stamens united by their anthers

Rosaceae: Many stamens, floral cup (perigynous), leaves have stipules

Ranunculaceae: Many stamens, no floral cup (hypogynous), sepals often petaloid

Middle Elevation Coniferous Woods

The Big Three of the Middle Elevation Coniferous Woods

- 1.
- 2.
- 3.

Low Elevation Coniferous Woods and Riparian

Changes

Low Elevation Seepy Cliffs

Changes

Middle Elevation Hudsonian Zone Lava Fields

Review