

Columbines School of Botanical Studies
Spring Apprenticeship Program
Trip #10 Advanced Meadow Locating

June 16, 17, 20, 2017

Middle Elevation Coniferous Woods, Riparian, and Meadow 3750'

<http://www.botanicalstudies.net/botany/plantlists.php>

Family	Genus	Name	Uses
Araceae	Lysichiton americanus (L. americanum)	Skunk Cabbage	+/- Edible
Asparagaceae (Liliaceae)	Maianthemum stellatum (Smilacina stellata)	Small False Solomon's Seal	Medicinal
Melanthiaceae (Liliaceae)	Trillium ovatum	Trillium	No Pick
Aristolochiaceae	Asarum caudatum	Wild Ginger	Spice, Medicinal
Ranunculaceae	Anemone deltoidea Caltha biflora Coptis laciniata Ranunculus populago	Large Windflower Marsh Marigold Gold thread Marsh Buttercup	Poisonous Edible, Medicinal Medicinal Poisonous
Berberidaceae	Achlys triphylla Berberis nervosa	Vanilla Leaf Oregon Grape	Edible Edible, Medicinal
Fumariaceae	Dicentra formosa	Bleeding Hearts	Poisonous
Crassulaceae	Sedum oreganum	Stonecrop	Edible
Saxifragaceae	Heuchera micrantha Mitella ovalis	Alum Root Small Bishop's Cap	Edible, Medicinal Edibility Unknown
Grossulariaceae	Ribes bracteosum Ribes lacustre	Stinking Black Currant Swamp Currant	Edible, Medicinal Edible, Medicinal
Rosaceae	Rubus spectabilis	Salmon Berry	Edible (Choice), Medicinal

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Family	Genus	Name	Uses
Oxalidaceae	Oxalis oregana	Wood Sorrel	Edible
Violaceae	Viola glabella	Woods Violet	Edible
	Viola orbiculata	Dark Woods Violet	Edible
Ericaceae	Vaccinium ovalifolium	Huckleberry	Edible (Choice), Medicinal
Primulaceae	Dodecatheon jeffreyi	Shooting Star	Edible
Scrophulariaceae	Pedicularis groenlandica	Elephant's Head	Medicinal
	Penstemon sp.	Penstemon	Medicinal
Animal Interactions	Bear Scat		
	Frog Symphony		
	Ixoreus naevius	Varied Thrush Song	
	Taricha granulosa	Orange Bellied Newt	

Field Trip #10

Advanced Meadow Locating Techniques

Botany

- ☉ Keyed out: *Anemone deltoidea* to family

Middle Elevation Coniferous Woods

- ☉ The Big Three of the middle elevation coniferous woods
- ☉ Introduction to *Oplopanax horridus*
- ☉ Old growth ecosystem
- ☉ Tasted *Pedicularis racemosa* and *Oxalis oregana*

Middle Elevation Meadows

- ☉ Big Three of the meadows: *Ranunculus sp.*, *Dodecatheon jeffreyi*, *Caltha biflora*.
- ☉ Tasted *Pedicularis groenlandica*
- ☉ Exploring meadows -
 1. Creeks and waterways
 2. Game trails
 3. Fallen Trees
- ☉ Locating and exploring meadows: Careful about getting outside the deciduous layer, it may be easier going in the woods, but you might not be able to get back in the meadow.
- ☉ This time of year the meadows were getting easy to see because the deciduous shrub layer was pressed down under feet of snow. We were still able to locate *Pedicularis groenlandica* stands.
- ☉ Locating and exploring meadows: We located two hidden meadows with *Pedicularis groenlandica* stands, well off the trails and completely invisible to hikers on the trails.
- ☉ *Hydrophyllum tenuipes* vs. poison look alike Ranunculaceae genera (*Ranunculus sp.*, *Aconitum columbianum*).