

Columbines School of Botanical Studies
Spring Apprenticeship Program
Trip #2 Liliaceae

April 18, 21, 2020

Low Elevation Riparian Zone and Coniferous Woods 2000'

Family	Genus	Name	Uses
Melanthiaceae (Liliaceae)	Trillium ovatum	Birth Root	No Pick
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Orchidaceae	Calypso bulbosa	Calypso Orchid	No Pick
Aristolochiaceae	Asarum caudatum	Wild Ginger	Edible, Medicinal
Papaveraceae (Fumariaceae)	Dicentra formosa	Bleeding Hearts	Poisonous, Medicinal
Berberidaceae	Berberis nervosa	Mountain Oregon Grape	Edible, Medicinal
Ranunculaceae	Anemone lyallii	Small Windflower	Poisonous
Rosaceae	Oemleria cerasiformis	Osoberry	Edible
Violaceae	Viola glabella	Woods Violet	Edible (Choice)
Plantaginaceae (Scrophulariaceae)	Synthyris reniformis	Snow Queen	Edibility unknown
Asteraceae (Compositae)	Petasites frigidus	Western Coltsfoot	Edible, Medicinal (PA's)
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Valerianaceae	Valeriana scouleri	Low-elevation Valerian	Medicinal
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<http://www.botanicalstudies.net/botany/plantlists.php>

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Low Elevation Coniferous Woods
Field Trip #2 Liliaceae

Botany

Inflorescences

Monocot Families - Liliaceae, Orchidaceae, Iridaceae, Araceae

Compound vs. simple leaves

Meaning of the word "generally"

Liliaceae family description

Trillium genus description

Keyed out: *Trillium ovatum*

Low Elevation Coniferous Woods

Locating *Berberis nervosa* by plant associations

Plant population monitoring: *Berberis nervosa*

Tasted *Asarum caudatum*

Big Three of the low elevation coniferous woods: *Trillium ovatum*, *Anemone lyallii*, and *Viola glabella*

Animal Interactions

Deer and or Elk Trail

"The trilliums are rather easily grown, and *T. ovatum* in particular is an excellent addition to the native garden in the partial shade of such shrubs as rhododendrons, but it is a shame to dig them, especially since they grow readily from seeds. It has been said that the gathering of the flowering stem results in death of the plant, which is scarcely true, but it does rob the rhizome of stored food needed for the growth of the succeeding year's flowering stem, often resulting in failure to flower. If the admonition was invented to discourage picking of the flowers, the statement should be that the picker, not the picked, will die, but justice rarely is so obvious."

-C. Leo Hitchcock