

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

April 14, 15, 18, 2017

Low Elevation Riparian Zone and Coniferous Woods 2000'

Family	Genus	Name	Uses
Araceae	<i>Lysichiton americanus</i> (L. amer	Skunk Cabbage	-/+ Edible
Melanthiaceae (Liliaceae)	<i>Trillium ovatum</i>	Birth Root	No Pick
Ranunculaceae	<i>Anemone lyallii</i>	Small Windflower	Poisonous
Berberidaceae	<i>Berberis nervosa</i>	Mountain Oregon Grape	Edible, Medicinal
Fumariaceae	<i>Dicentra formosa</i>	Bleeding Hearts	Poisonous, Medicinal
Rosaceae	<i>Oemleria cerasiformis</i>	Osoberry	Edible
Violaceae	<i>Viola glabella</i>	Woods Violet	Edible (Choice)
Scrophulariaceae	<i>Synthyris reniformis</i>	Snow Queen	Edibility unknown
Valerianaceae	<i>Valeriana scouleri</i>	Low-elevation Valerian	Medicinal
Asteraceae (Compositae)	<i>Petasites frigidus</i>	Western Coltsfoot	Edible, Medicinal (PA's)

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

**Columbines School of Botanical Studies
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

Trillium ovatum ecology

Locating *Berberis nervosa* by plant associations

Plant population monitoring: *Berberis nervosa*

Animal Interactions

Deer and or Elk Trail

Elk Scat

“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