

Columbines School of Botanical Studies

Spring Apprenticeship Program

Trip #7 Meadow Locating

Saturday, May 31, 2025

Middle Elevation Coniferous Woods, Riparian, and Meadow 3337', 3591', 3625'

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

Araceae

Lysichiton americanus (L.
americanum)

Skunk Cabbage

+/- Edible

Melanthiaceae (Liliaceae)

Trillium ovatum

Trillium

No Pick

Berberidaceae

Achlys triphylla

Vanilla Leaf

Edible, Medicinal

Ranunculaceae

Anemone oregana
Caltha biflora
Ranunculus populago

Small Windflower
Marsh Marigold
Marsh Buttercup

Poisonous
Edible, Medicinal
Poisonous

Grossulariaceae

Ribes lacustre

Swamp Currant

Edible

Rosaceae

Rubus spectabilis

Salmonberry

Edible, Medicinal

Violaceae

Viola adunca
Viola glabella
Viola nutallii
Viola palustris

Field Violet
Woods Violet
Prairie Violet
Marsh Violet

Choice edible
Choice edible
Choice edible
Choice edible

Montiaceae (Portulacaceae)

Claytonia sibirica (Montia s.)

Candy Flower

Choice edible

Primulaceae

Primula jeffreyi (Dodecatheon j.)

Shooting Star

Edible

Ericaceae

Vaccinium ovalifolium

Huckleberry

Choice Edible, Medicinal

Orobanchaceae (Scrophulariaceae)

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Araceae

Oroba	Pedicularis groenlandica	Elephant's Head	Medicinal
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Valerianaceae

	Valeriana sitchensis	Valerian	Medicinal
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Animal Interactions

Elk prints	
Western Pocket Gopher castings	Thomomys mazama

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Meadow Locating Techniques
Trip #7

Wildcrafting Principle: Locate and explore meadows early for later harvesting. We are always wildcrafting, even when we do not harvest.

Time Travel: You can move north or south, up or down in elevation, to a sunnier or shadier spot, or come back later or next year to locate a certain time in a plant's life cycle.

Big Three is not only a plant association that can tell you the ecosystem; it is a point in time used as a reference for time traveling.

Botany

Keyed out: *Viola glabella* and *Caltha leptosepala*

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, leaves have stipules

Ranunculaceae: Many stamens, no floral cup, sepals often petaloid

Sedges have edges; rushes are round, grasses have joints

Middle Elevation Coniferous Woods

The Big Three of the Middle Elevation Coniferous Woods

- 1.
- 2.
- 3.

Middle Elevation Meadows

Big Three of the Middle Elevation Meadows

- 1.
- 2.
- 3.

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 into the woods, but you might not be able to get back into the meadow

Locating *Pedicularis groenlandica*

Gazed at the viscid stalked glands of the insectivorous bog plant, *Drosera rotundifolia*

Introduction to *Valeriana sitchensis*

Introduction to *Veratrum* spp.