

**Columbines School of Botanical Studies
Second Year Field Program
Trip # 11, 12, and 13 Three Day Overnight
August 16-18, 2019**

Botany

Family Review

Economic Botanical Survey

Lomatium Review

Ligusticum Review

Keyed out *Ericameria bloomeri* (*Haplopappus b.*) and *Rudbeckia occidentalis*

Ponderosa Pine Zone

Located, Harvested, and Processed *Balsamorhiza sagittata* Root

Juniper Sagebrush Steppes

Recovering Restoration: Removal of Junipers has shifted the Juniper Zone back to a Ponderosa Pine Zone. This is safer for wildfires and more of a historical landscape.

Middle Elevation Meadows

Located, Harvested, and Processed *Rudbeckia occidentalis* Root

Located, Harvested, and Processed *Ligusticum grayi* Seed

Subalpine Zones

Plant Walk Review

Mountain Views

Low Elevation Riparian Zone

Located, Harvested, and Processed *Aralia californica* Root

Uses of *Aralia californica*