

**Columbines School of Botanical Studies
Second Year Field Program
Trip #11, 12, and 13 Three Day Overnight
August 13-15, 2021**

Botany

Family Review

Economic Botanical Survey

Asteraceae Review

Ligusticum Review

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

Ponderosa Pine Zone

Fire ecology: Ponderosa Pine Prescribed Burn

Located, Harvested, and Processed *Balsamorhiza sagittata* Root

Middle Elevation Meadows

Located, Harvested, and Processed *Rudbeckia occidentalis* Root

Located, Harvested, and Processed *Ligusticum grayi* Seed

Middle Elevation Clearcut

Huge stand of edible and medicinal plants

The difference between medicine and poison is dosage

Low Elevation Riparian Zone

Located, Harvested, and Processed *Aralia californica* Root

Uses of *Aralia californica*