

**Columbines School of Botanical Studies
Second Year Field Program
Trip # 11, 12, and 13 Three Day Overnight
August 11-13, 2017**

Botany

Family Review
Economic Botanical Survey
Lomatium Review
Ligusticum Review
Keyed out *Haplopappus bloomeri* and *Rudbeckia occidentalis*

Ponderosa Pine Zone

Located, Harvested, and Processed *Balsamorhiza sagittata* Root

Juniper Sagebrush Steppes

Lava Pillar Hike to Mountain Views

Middle Elevation Coniferous Woods

Located, Harvested, and Processed *Actea rubra* Root

Middle Elevation Meadows

Located, Harvested, and Processed *Rudbeckia occidentalis* Root

Subalpine Zones

Plant Walk Review
Mountain Views

Low Elevation Riparian Zone

Located, Harvested, and Processed *Aralia californica* Root
Uses of *Aralia californica*