

Columbines School of Botanical Studies
Spring Apprenticeship Program
Trip #9 Arcostaphylos

June 12, 15, 2021

Low Elevation Riparian Zone and Coniferous Woods 2000'
Middle Elevation Hudsonian Zone and Woods and Recovering Clear and Partial Cuts 4300'

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

Family Genus	Name	Uses
Liliaceae		
Clintonia uniflora	Queen's Cup, Bead Lily	Poisonous?
Orchidaceae		
Calypso bulbosa	Calypso Orchid	No pick
Corallorhiza maculata	Spotted Coral Root	No pick
Corallorhiza mertensiana	Purple or Western Coral Root	No pick
Berberidaceae		
Achlys triphylla	Vanilla Leaf	Edible
Mahonia nervosa (Berberis n.)	Mountain Oregon Grape	Edible, Medicinal
Rosaceae		
Fragaria virginiana	Wild Strawberry	Edible, Medicinal
Rhamnaceae		
Ceanothus velutinus	Red Root	Medicinal
Celastraceae		
Paxistima myrsinites (Pachistima m.)	Oregon Box	Ornamental
Caryophyllaceae		
Moehringia macrophylla (Arenaria m.)	Large Sandwort	Edibility unknown
Ericaceae		
Arctostaphylos nevadensis	Kinnikinnik	Edible, Medicinal
Arctostaphylos patula	Manzanita	Edible, Medicinal
Chimaphila umbellata	Pipsissewa	Medicinal
Pyrola asarifolia	Pyrola	Medicinal
Apiaceae (Umbelliferae)		
Lomatium martindalei	Biscuit Root	Edible

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Field Trip #9
Astringents

Made urinary astringent tincture and external astringent

Organoleptic testing of Ericaceous astringents

Green-faced fools fondling flowers forever

Botany

Keyed out: *Corallorhiza* sp., *Clintonia uniflora*

Saprophytes: On the overnight, we will write by the light of the saprophyte.

Middle Elevation Hudsonian Coniferous Woods

Old Growth Ecosystem - old trees look smaller at the higher elevations and with the thinner soils.

Harvesting, locating, processing *Chimaphila umbellata*.

Middle Elevation Hudsonian Clear Cuts and Partial Cuts

Saw a variety of clear cuts and partial cuts in the 35-40 year old range and younger

Explored a 14 year old partial cut.

Look for "no picks" recovering from the pillage under regenerating young trees.

Harvesting, locating, processing *Arctostaphylos nevadensis*.

Low Elevation Coniferous Woods

Changes