

Spring flora around Nanaimo

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FLORA AROUND NANAIMO

in support of Botany – BIOL223

Acer macrophyllum

Achillea millefolium

Achlys triphylla

Alnus rubra

Amelanchier alnifolia

Arbutus menziesii

Arctostaphylos uva-ursi

Athyrium filix-femina

Berberis (Mahonia) aquifolium

Berberis (Mahonia) nervosa

Welcome to the plant identification resource for BIOL 223 – Botany

We put this site together to help you learn a specific collection of 40 common plants around Nanaimo. Use it alongside your Botany plant list (link just below) and our BIOL223 VIULearn site. **The plant species listed here will be included on our plant ID exam.**

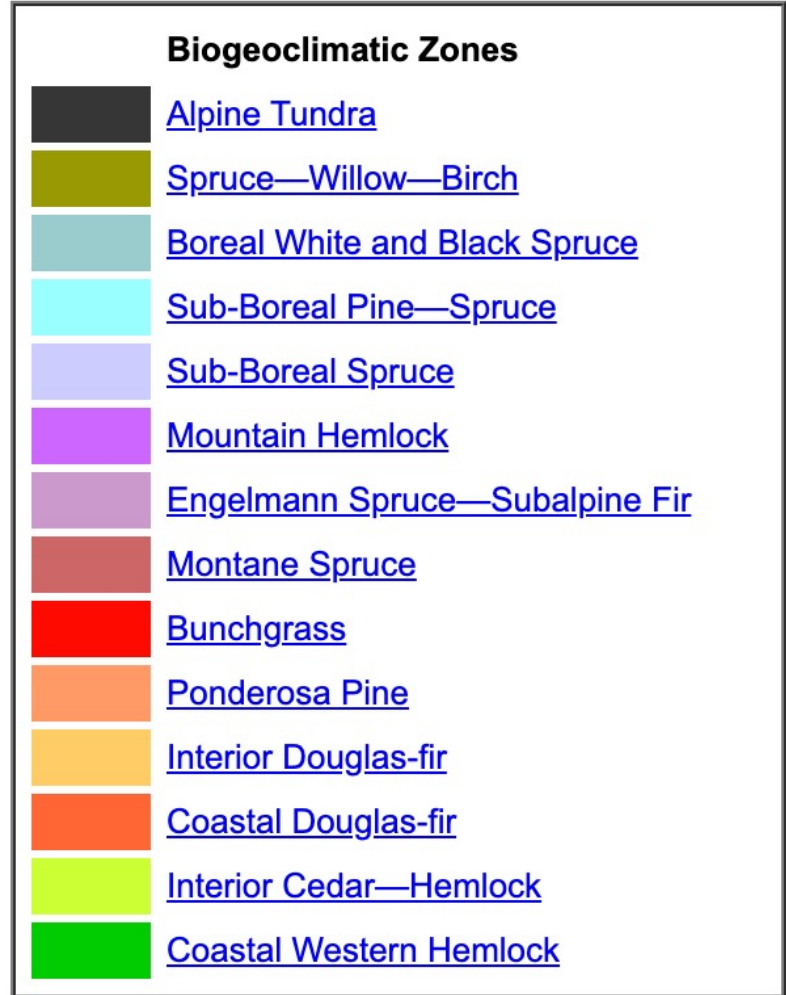
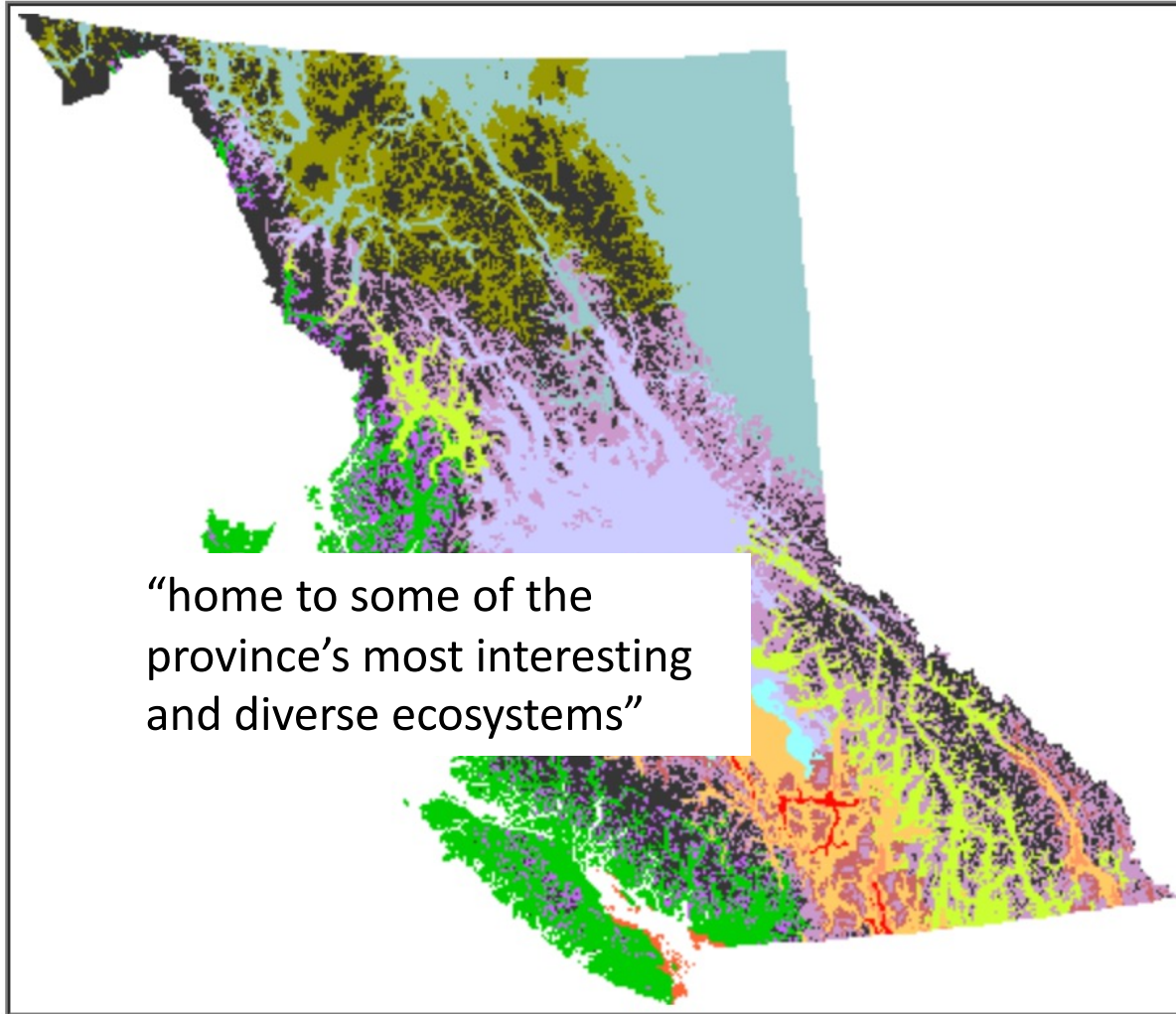
BIOL223_core plant_list

Download

Our forty species may seem too many to learn, a hodgepodge of names. To help us organize them, the 40 are split up into five groups called *categories* **on this overview page**. For example, *tree* is one category, *fern* is another.

<https://wordpress.viu.ca/biol223/>

Nanaimo is in the Coastal Douglas-fir (CDF) zone



<https://www.for.gov.bc.ca/hfd/library/documents/treebook/biogen/biogen.htm>

<https://www.for.gov.bc.ca/hfd/pubs/docs/Bro/bro30.pdf>

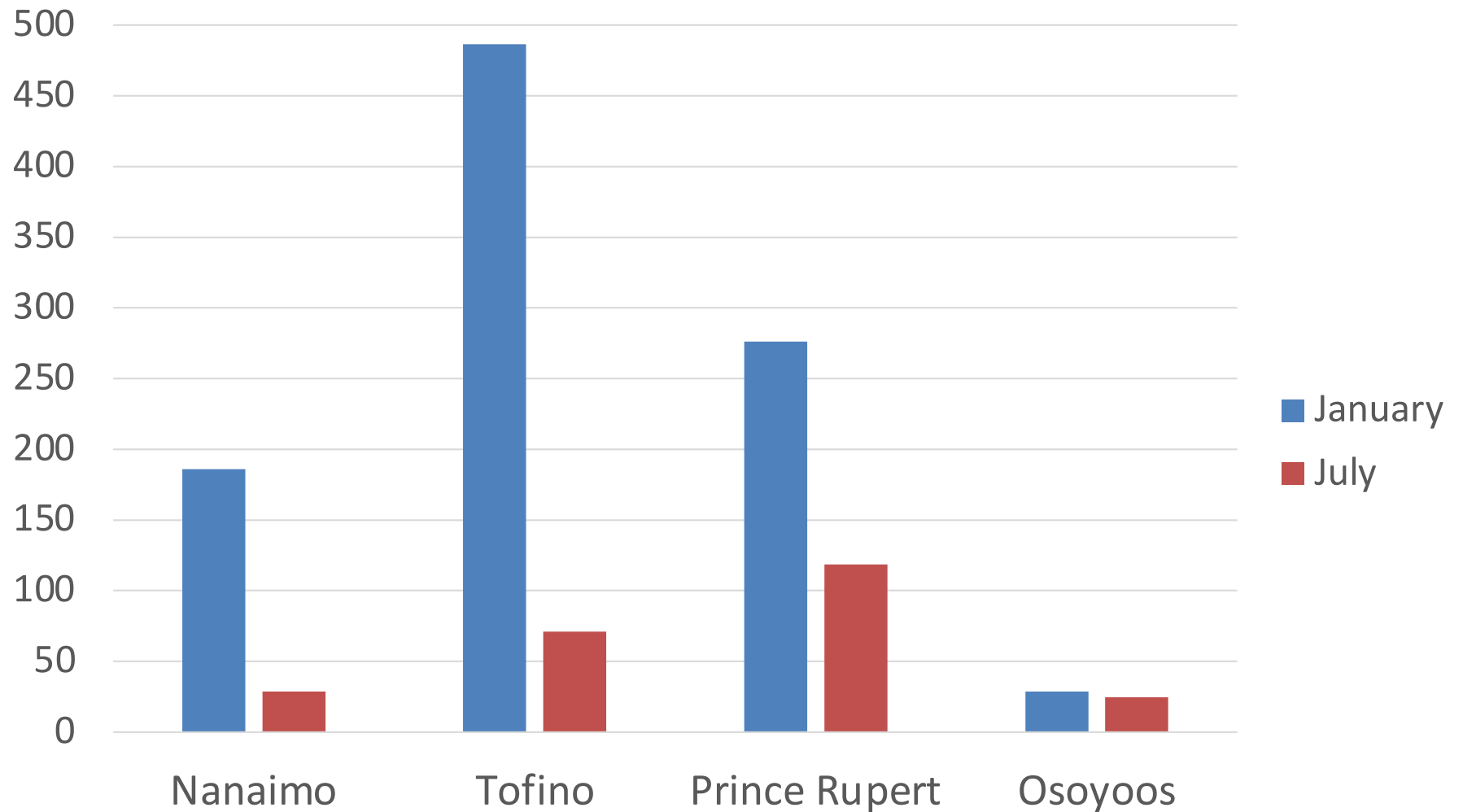
within the the CDF is the Garry oak ecosystem



© B. Staffan Lindgren

<https://cinnabarreflections.wordpress.com/2019/05/07/harewood-plains-nanaimos-flowering-jewel/>

average precipitation (mm)



https://climate.weather.gc.ca/index_e.html

strategies for dealing with summer drought

endure



Garry oak
arbutus
hairy manzanita
kinnikinnick
shore pine
mahonia
....

evade



annuals:
Collinsia
sea blush
miner's lettuce
...

escape



geophytes:
spring gold
larkspur
shooting star
camas
chocolate lily
...

resist



succulents:
sedums

(Solbrig & Orians, 1977)

set seed in early/mid summer



annuals evade
summer drought
in seed-form



flower in spring



germinate in fall

(heidivanvliet)





(calflora.org)

Acmispon parviflorus / *Lotus micranthus*
small-flowered lotus
(Fabaceae)



(Christian Schwarz)





(Andrew Simon/chlorophilia)



(Lynda Stevens)

Erythranthe alsinoides / *Mimulus alsinoides*
chickweed monkey-flower
(Phrymaceae)



©Terry Thormin

<https://vancouverislandnature.wordpress.com/2012/05/27/terrys-blog-4-wildflowers-vs-quads/>



(Andrew Simon/chlorophilia)

Erythranthe guttata / *Mimulus guttatus*
yellow monkey-flower
(Phrymaceae)



(bstarzomski)





(Lynda Stevens)

Claytonia perfoliata
miner's lettuce
(Montiaceae)



(dlbowls)



(raduscurtescu)

Claytonia sibirica
Siberian miner's lettuce
(Montiaceae)



(skylar2)



(Lynda Stevens)



(Lynda Stevens)



(bstarzomski)



Collinsia parviflora
small-flowered blue-eyed Mary
(Plantaginaceae)



(iancruickshank)



(Lynda Stevens)

Plagiobothrys scouleri
Scouler's popcornflower
(Boraginaceae)





(Lynda Stevens)



Plectritis congesta
sea blush
(Caprifoliaceae)

(wendy5)



(davidfraser1-)

Valerianella locusta
corn salad / mache / nusslisalat
(Caprifoliaceae)



(Lynda Stevens)



(kristenmiskelly)



(Lynda Stevens)

Trifolium willdenovii
tomcat clover
(Fabaceae)



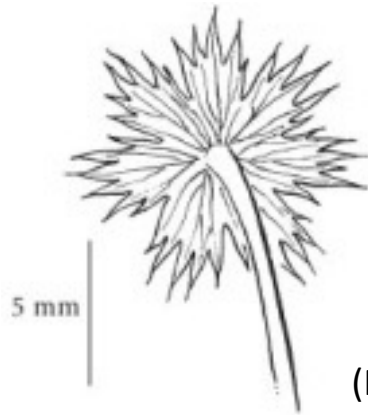
involucre

(Flora of BC)



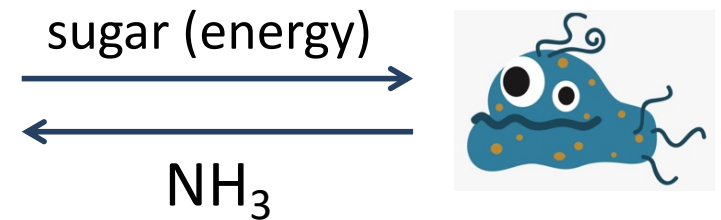
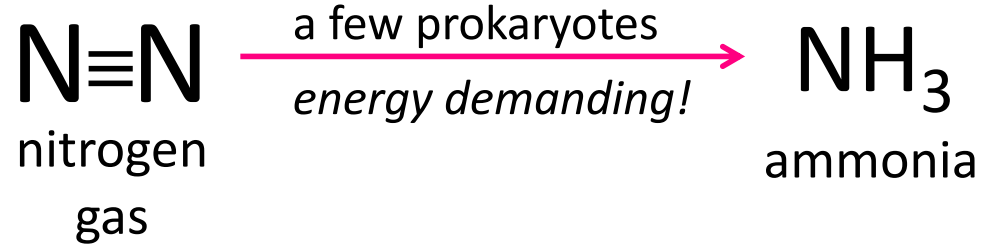
(Lynda Stevens)

Trifolium variegatum
white-tipped clover
(Fabaceae)

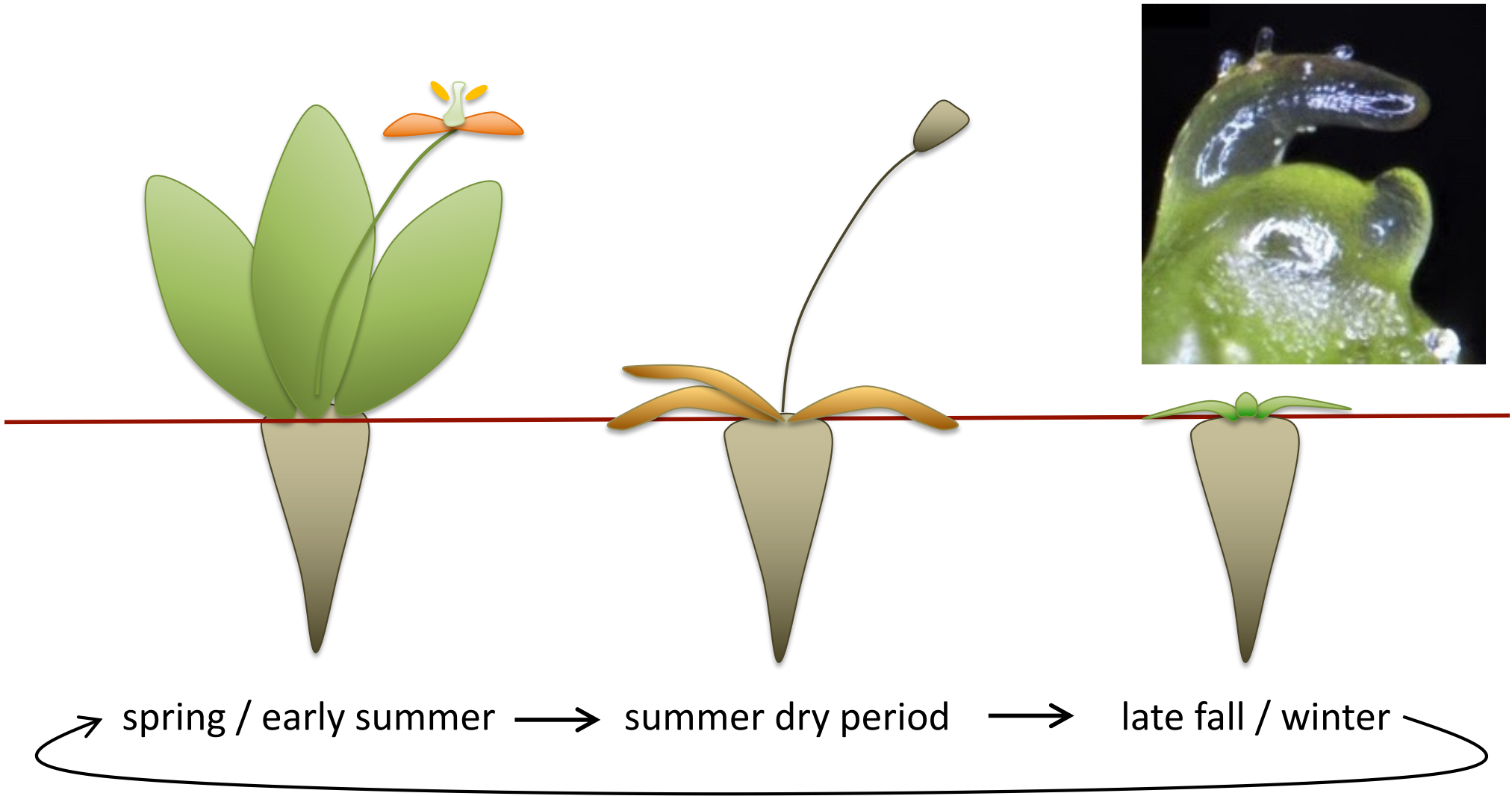


(Flora of BC)

Trifolium, and other pea plants, host nitrogen-fixing *Rhizobia* bacteria in their root system



perennial geophytes escape summer drought in the form of bulbs, corms, tap roots, root crowns...



perennial geophytes escape summer drought in the form of bulbs, corms, tap roots, root crowns...





(markus_kellerhals)



(hermissenda)

Allium acuminatum
Hooker's onion
(Amaryllidaceae)



(Lynda Stevens)

(medivetus.com)





(eporcher)



(Lynda Stevens)

(<http://arcadianabe.blogspot.com/>)

Brodiaea coronaria
harvest Brodiaea
(Asparagaceae)





(Andrew Simon/chlorophilia)



(Lynda Stevens)

Allium amplexans
slimleaf onion
(Amaryllidaceae)

(vanengelen.com)



(jasonheadley)





(iancruickshank)



(Lynda Stevens)

(larnerseeds.com)



Triteleia hyacinthina
fool's onion
(Asparagaceae)



(jasonheadley)



Allium cernuum
nodding onion
(Amaryllidaceae)

(Lynda Stevens)



(bstarzomski)



(arkoftaste.slowfood.ca)

(Staffan Lindgren)





(sarahwestbury)



(Lynda Stevens)

Camassia quamash
common camas
(Asparagaceae)



(Jennifer1692)



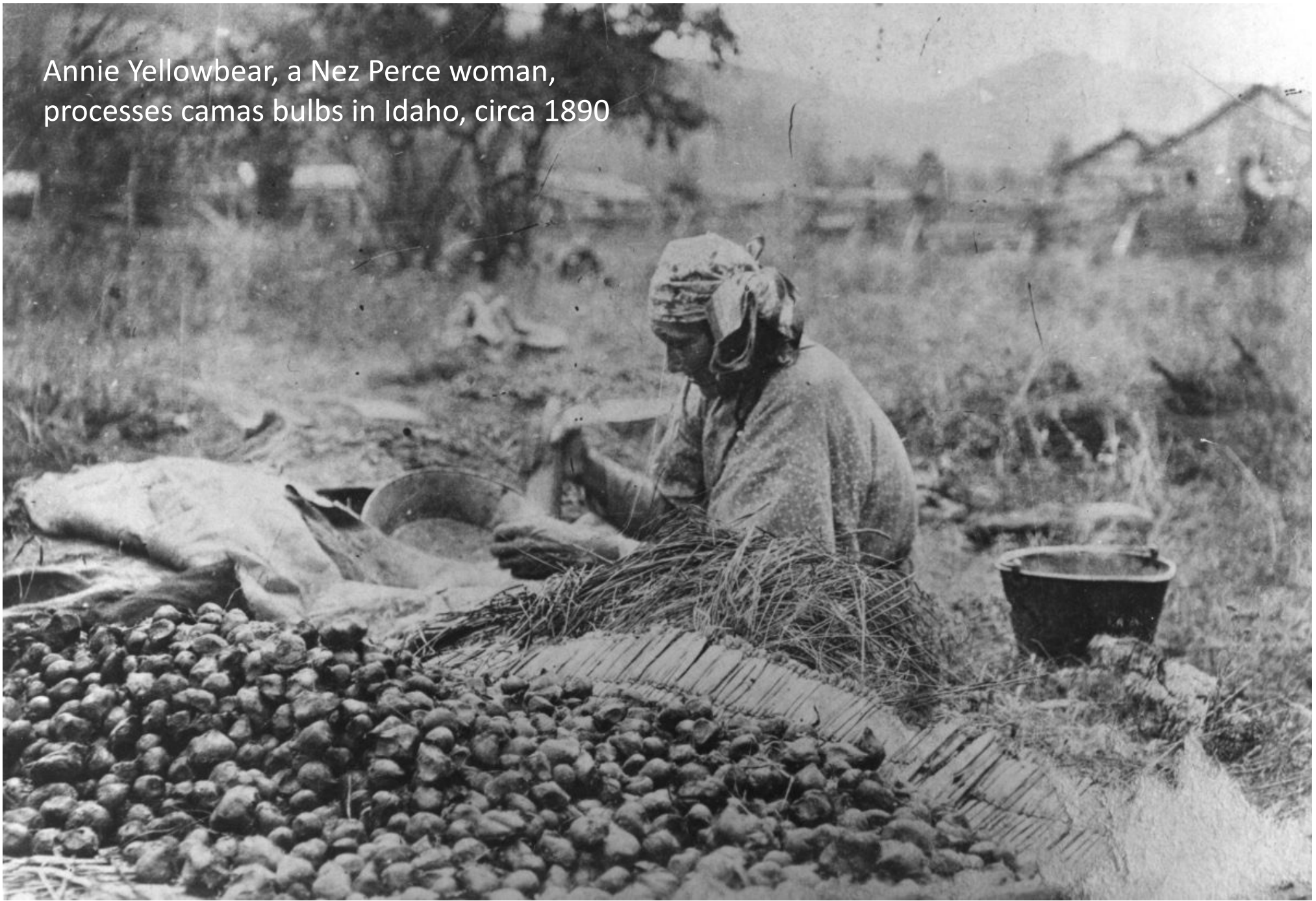
(sedgequeen)



(coldwater_lifestyle)

Camassia leichtlinii
great camas
(Asparagaceae)

Annie Yellowbear, a Nez Perce woman,
processes camas bulbs in Idaho, circa 1890



<https://www.hakaimagazine.com/features/the-local-carb-diet/>



(Andrew Simon/chlorophilia)

Toxicoscordion venenosum /
Zigadenus venenosus
death camas
(Melanthiaceae)





(Andrew Simon/chlorophilia)



(bstarzomski)

Fritillaria affinis
chocolate / checker lily
(Liliaceae)



© B. Staffan Lindgren



<https://www.srgc.org.uk/bulblog/log2006/020806/log.html>

Fritillaria affinis
chocolate / checker lily
(Liliaceae)

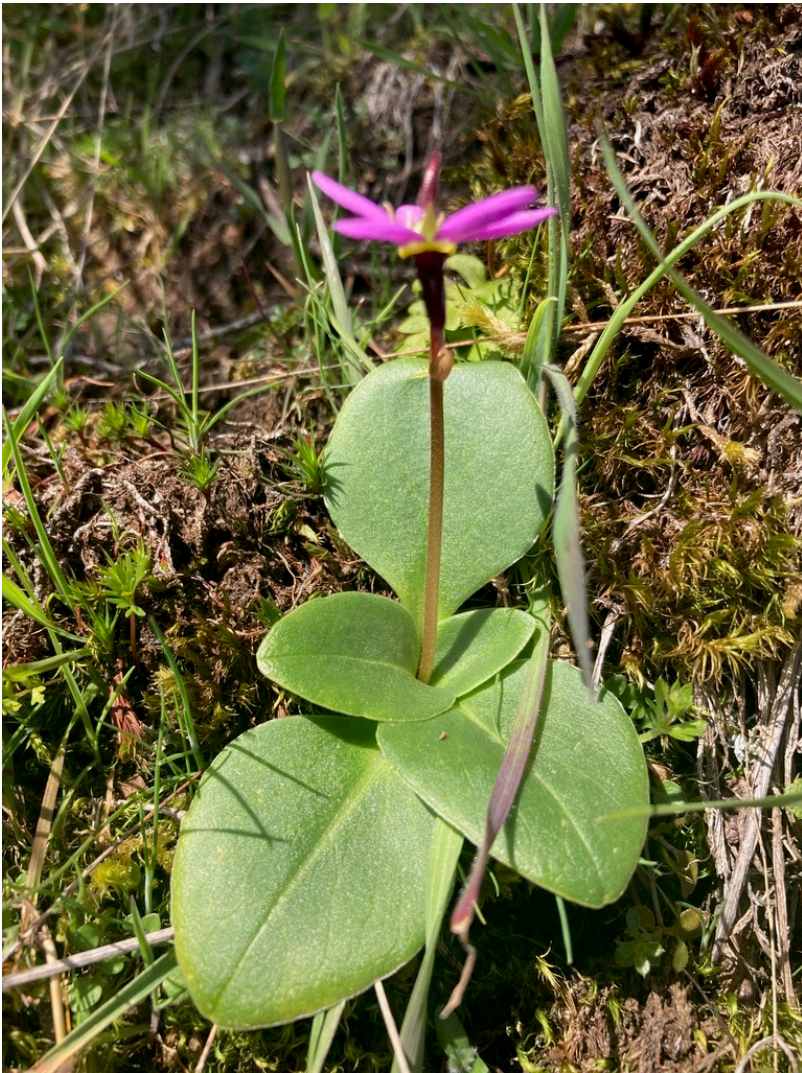


Erythronium oregonum
white fawn lily
(Liliaceae)

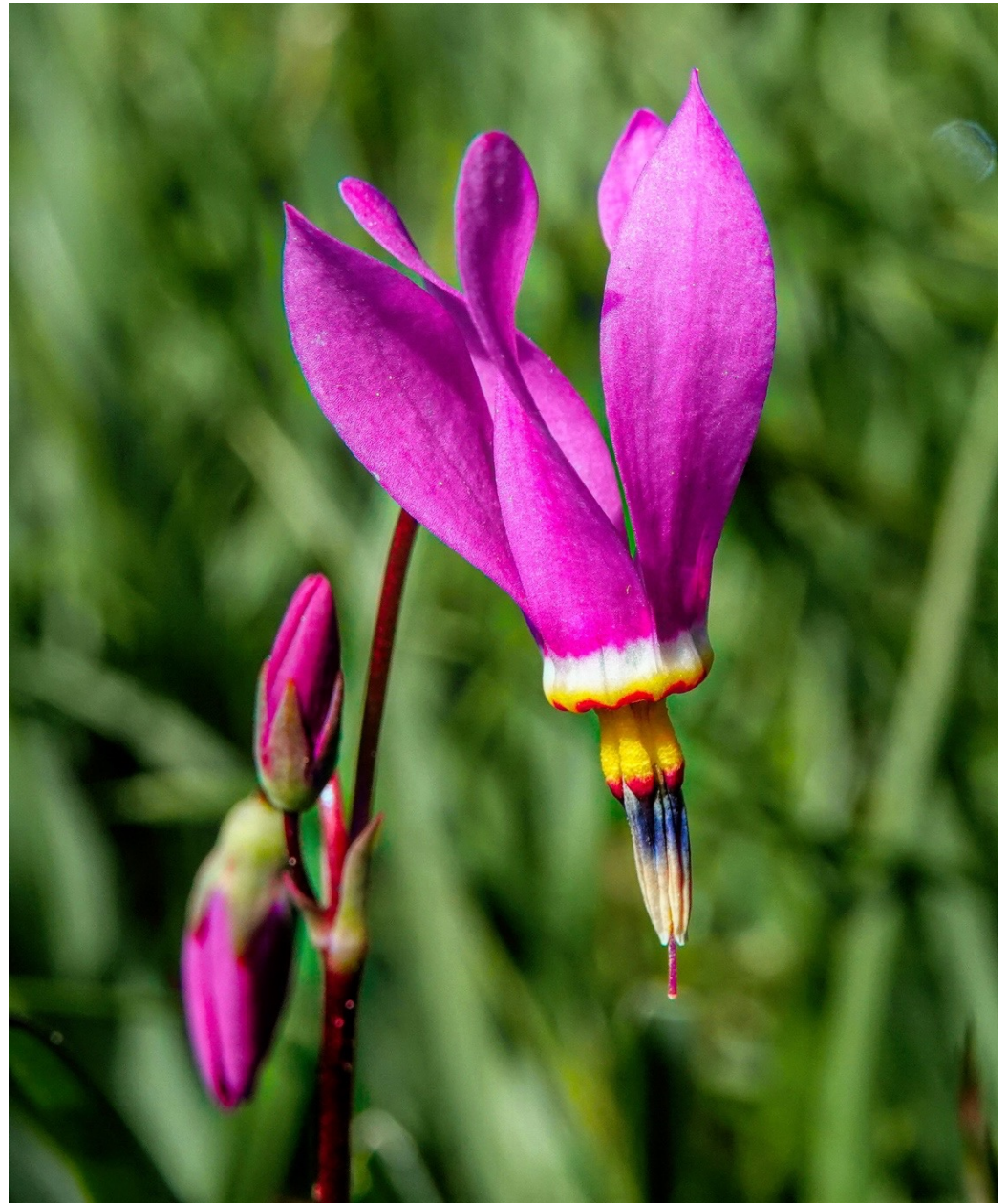
(Staffan Lindgren)



(jimmyslegs)



(bstarzomski)



(Lynda Stevens)

Dodecatheon hendersonii / *Primula hendersonii*
broad-leaved shootingstar
(Primulaceae)



(dirtygardenhoe)



Ranunculus occidentalis
Western buttercup
(Ranunculaceae)



(Andrew Simon/chlorophilia)



(Staffan Lindgren)



(bstarzomski)



(Lynda Stevens)

Delphinium menziesii
Menzies' Larkspur
(Ranunculaceae)



Lomatium utriculatum
spring gold
(Apiaceae)

(Andrew Simon/chlorophilia)



(twr61)



(bstarzomski)

(iancruickshank)





(bstarzomski)

Lomatium nudicaule
bare-stem desert-parsley
(Apiaceae)



(edwardlisowski)



(jimmylegs)

Perideridia gairdneri
yampah
(Apiaceae)



(jimmyslegs)



(shane116)



(abe)

Perideridia gairdneri
yampah
(Apiaceae)



(Lynda Stevens)

Perideridia gairdneri
yampah
(Apiaceae)



(bstarzomski)

Achillea millefolium
yarrow
(Asteraceae)



(Lynda Stevens)



Eriophyllum lanatum
woolly sunflower
(Asteraceae)

(bstarzomski)



(Andrew Simon/chlorophilia)

(gabe_schp)





(Lynda Stevens)

(kristenmiskelly)



Prunella vulgaris ssp. (?) *lanceolata*
self-heal
(Lamiaceae)



(annaincanada)



(annaincanada)



(Lynda Stevens)

Hosackia pinnata / *Lotus pinnatus*
bog bird's-foot trefoil
(Fabaceae)

some flowering shrubs:

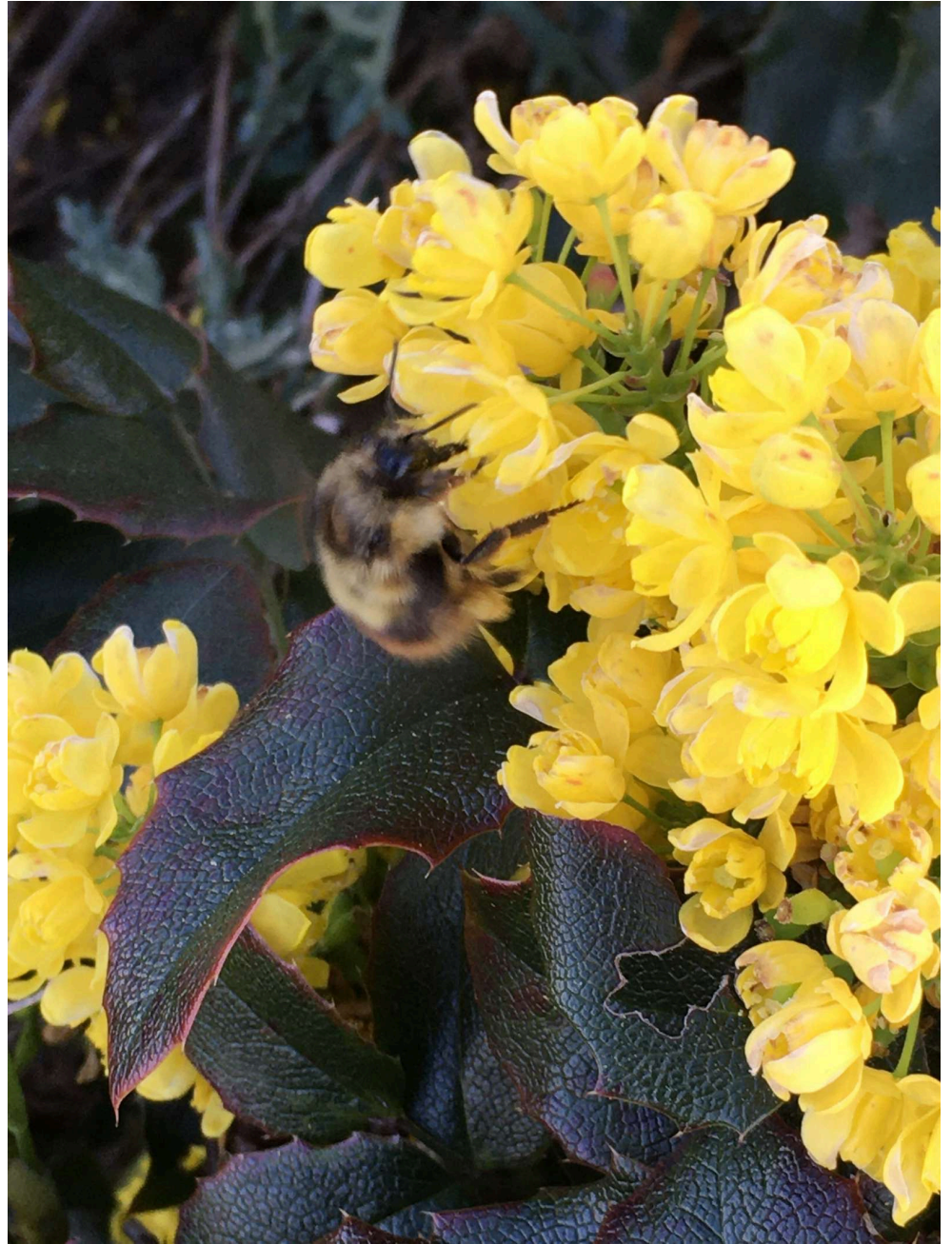


Symphoricarpos albus snowberry (Caprifoliaceae)



(Andrew Simon/chlorophilia)

Berberis / Mahonia aquifolium
tall Oregon grape
(Berberidaceae)





(heidivanvliet)



Arctostaphylos uva-ursi
kinnikinnick
(Ericaceae)

(Lynda Stevens)



Arctostaphylos columbiana hairy manzanita (Ericaceae)

(Andrew Simon/chlorophilia)



(joshsilberg)

Oemleria cerasiformis
June plum / osoberry
(Rosaceae)





(Lynda Stevens)

Amelanchier alnifolia
saskatoon
(Rosaceae)





Rosa nutkana Nootka rose (Rosaceae)

Ribes sanguineum
red-flowering currant
(Grossulariaceae)

