

A Field Guide to Flora of Portage Valley

Portage Valley is located in the Chugach National Forest, about 45 miles southbound of Anchorage on the Seward Highway, and is one of Alaska's most visited attractions. Several glaciers can be viewed and an information center is located there, along with several short easy hikes.

This booklet is formatted to fit on a phone, and intended to help ID some common plants in Portage Valley. Photos are sorted by scientific names, which are consistent with the 2020 Flora of AK Project, and cross-referenced to Hulten's 1968 *Flora of Alaska and Neighboring Territories*.

A complete checklist of plants is available at the Alaska Native Plant Society website: <https://aknps.org>. AKNPS is a non-profit organization founded in 1982 to promote awareness, education and preservation of Alaska native flora.

All photos and field ID notes are copyrighted to Dennis Ronsse. This booklet is a work in progress, to improve it with corrections and additions please contact dennis<dot>ronsse<at>gmail<dot>com.

References:

- Cody, WIJ. 2000. *Flora of the Yukon Territory*, 2nd Edition
- Collet, Dominique M. 2002. *Willows of Southcentral Alaska*
- Consortium of Pacific Northwest Herbaria 2007-2022
- Flora of North America Editorial Committee, eds. 1993+
- Hulten, E. 1968. *Flora of Alaska and Neighboring Territories*
- Ickert-Bond, S.M., B. Bennett, M.L. Carlson, J. DeLapp, J.R. Fulkerson, C.L. Parker, T. W. Nawrocki, M.C. Stensvold, and C.O. Webb (eds.). 2019. Flora of Alaska. Available: <https://floraofalaska.org>
- McCune, B and L. Geiser. 2000. *Macrolichens of the Pacific Northwest*
- Pojar, J. and A. Mackinnon. 2013. *Alpine Plants of the Northwest*
- Skinner, Q, S. Wright, J. Henszey, R. Henszey and S. Wyman. 2012. *A Field Guide to Alaska Grasses*
- Viereck and Little. 2007. *Alaska Trees and Shrubs*, 2nd Edition
- Wilson, B., R. Brainerd, D. Lytjen, B. Newhouse, and N. Otting. 2008. *A Field Guide to Sedges of the Pacific Northwest*

Scientific Name

Common Name

Family

Aconitum delphiniifolium

Larkspurleaf Monkshood

Ranunculaceae

Monkshood- Leaves digitately cleft into 5-lobed **narrow** parts. Flowers blue (sometimes white) **shaped like helmets**. Poisonous, used in bait to kill wolves and on harpoon tips to sedate whales vs. Larkspur- **Leaf segments 3-5, wider and toothed. Flowers w/ long spur.**



Hulten Family

Ranunculaceae

Hulten Name

Aconitum delphiniifolium ssp. *delphiniifolium*

Hulten page

459.5

Accepted

yes

Scientific Name

Common Name

Family

Actaea rubra

Baneberry

Ranunculaceae

Baneberry (*A. rubra*)- Leaves sharply toothed & deep veined, the ultimate segment cleft and toothed. Highly poisonous, as few as 6 berries have been known to kill a small child vs. Goatsbeard (*Aruncus*) leaves double toothed, not cleft.



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Hulten Family

Hulten Name

Hulten page

Accepted

Ranunculaceae

Actaea rubra

456

yes

Scientific Name

Common Name

Family

Anemonastrum richardsonii

Yellow Anemone

Ranunculaceae

Yellow Anemone- Basal leaves w/ long stems. Flower stalk arises from center of a modified leaf. Styles not reflexed, achenes not winged. **Anemones** are petaloid (sepals appear as petals) vs. **Buttercups** (*Ranunculus*) w/ green sepals.



Hulten Family

Ranunculaceae

Hulten Name

*Anemone Richardsonii**

Hulten page

462

Accepted

no

Scientific Name

Common Name

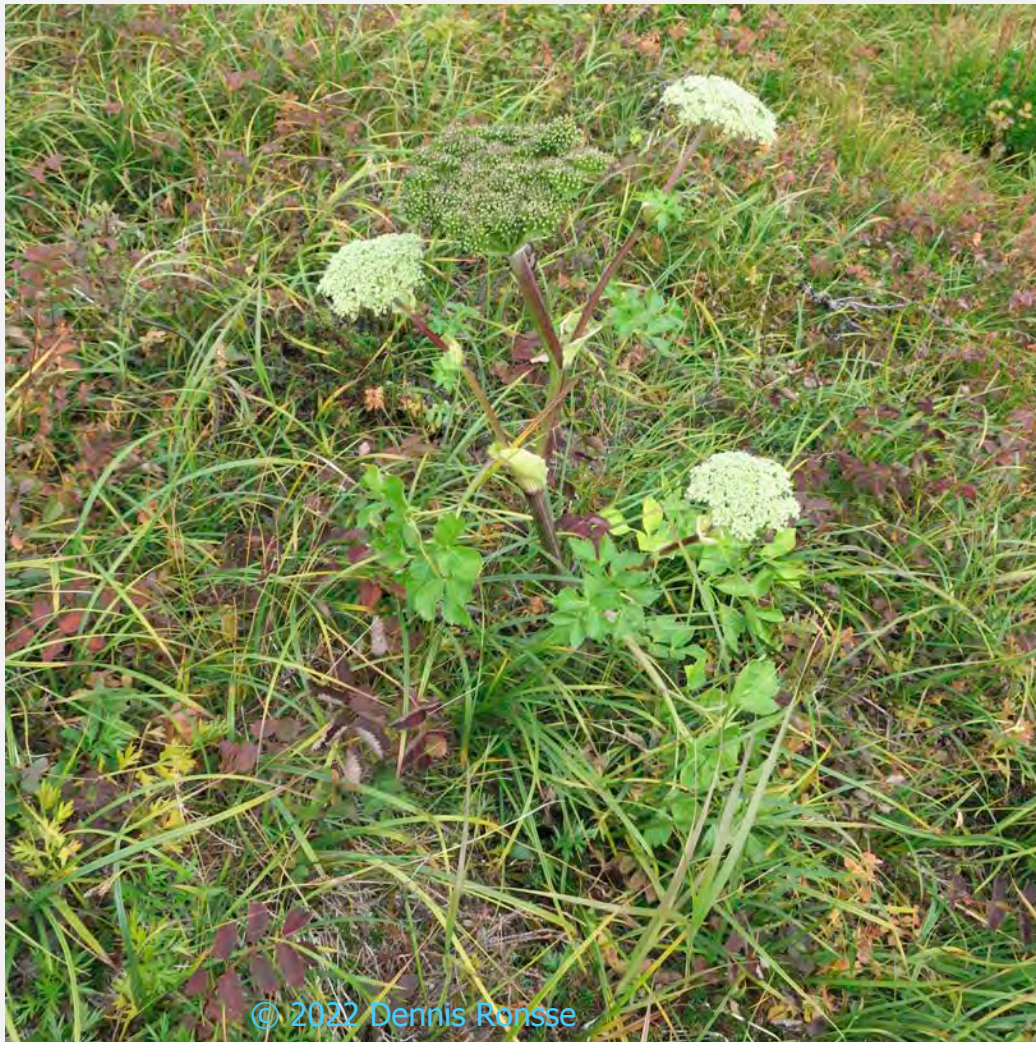
Family

Angelica gmelinii

Wild Celery

Apiaceae

Wild Celery (2 in AK)- *A. gmelinii* Leaves glabrous (or essentially so); upper leaves not reflexed, common along coast, meadows thickets vs. *A. genuflexa*- leaves pubescent on veins and in the margins; upper leaves reflexed; Swamps & streams. Both are traditional food, stems & leaves, for indigenous people. In Siberia, root was carried to ward off polar bears, and roasted fumes were seasickness remedy.



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Hulten Family

Hulten Name

Hulten page

Accepted

Apiaceae

*Angelica lucida**

705

no

Scientific Name

Aquilegia formosa

Common Name

Western Columbine

Family

Ranunculaceae

Western Columbine- Early spring growth a cluster of blue-green, bi-ternate leaves. flowers orange-red vs. *A. brevistylla* bluish flowers (the only other wild columbine in AK).



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Hulten Family

Ranunculaceae

Hulten Name

Aquilegia formosa

Hulten page

457

Accepted

yes

Scientific Name

Arabidopsis kamchatica

Common Name

Kamchatka Rockcress

Family

Brassicaceae

Kamchatka Rockcress- Basal leaves are lyrate (somewhat like dandelion) stem leaves entire. Flowers small white. Dry open woodlands. Young leaves have a radish-like flavor and have been eaten raw or boiled by Alaska Native peoples for centuries.



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Hulten Family

Brassicaceae

Hulten Name

*Arabis lyrata**

Hulten page

545

Accepted

no

Scientific Name

Arnica lessingii

Common Name

Lessing's Arnica

Family

Asteraceae

Lessing's Arnica- **Anthers purple or blackish.** Alpine. Mostly basal leaves. Flowers pale yellow, almost always nodding. Involucral bracts dark purplish, densely pubescent below vs. **all other *Arnica* have yellow anthers.**



Hulten Family

Asteraceae

Hulten Name

Arnica Lessingii

Hulten page

916

Accepted

yes

Scientific Name

Common Name

Family

Aruncus dioicus acuminatus

Goatsbeard

Rosaceae

Goatsbeard- Leaves + or - long pointed, and **double toothed, not lobed and toothed**. Old flowering stalks are very unique, male & female plants vs. Baneberry- Leaves sharply toothed & deep veined. **The ultimate segment cleft and toothed.**



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Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

*Aruncus sylvestris**

595

no

Scientific Name

Common Name

Family

Athyrium filix-femina cyclosorum

Lady Fern

Woodsiaceae

Lady Fern- Stipe short chaffy. **Fronds widest in the middle & lowest primary segments shorter than middle primary segments** vs. Northern Wood Fern- **Upper innermost pinnae of basal pair much shorter than lower pinnules.** (frond also widest in middle).



Hulten Family

Hulten Name

Hulten page

Accepted

Athyriaceae*

Athyrium filix-femina

48

no

Scientific Name

Callitriche palustris

Common Name

Water Starwort

Family

Plantaginaceae

C. verna most of Alaska. Upper leaves spatulate, submerged leaves linear.



Hulten Family

*Callitrichaceae**

Hulten Name

*Callitriche verna**

Hulten page

677

Accepted

no

Scientific Name

Common Name

Family

Cerastium arvense strictum

Mouse-eared Chickweed

Caryophyllaceae

Mouse-eared Chickweed (*C. arvense*)- Leaves narrow, hairy, silvery **w/ small axillary tufts (of leaves) at base up uppermost leaves** vs Bering Chickweed- Leaves wider, less hairy, **w/o small axillary tufts (of leaves) at base up uppermost leaves.**



Hulten Family

Caryophyllaceae

Hulten Name

Cerastium arvense

Hulten page

425

Accepted

yes

Scientific Name

Common Name

Family

Chamaenerion angustifolium

Fireweed

Onagraceae

Fireweed- Edible new leaves & shoots. Flowers used for tea, cooked or jelly. In fall leaves are bright-colored orange-red to purplish.



Hulten Family

Hulten Name

Hulten page

Accepted

Onagraceae

*Epilobium angustifolium**

686

no

Scientific Name

Common Name

Family

Chamaenerion latifolium

River Beauty

Onagraceae

River Beauty- Along streams, river bars & scree slopes. Stems sprawling, leaves grey-green, somewhat fleshy, Sepals 4 bright pink, Sepals 4 purplish & pointed.



Hulten Family

Hulten Name

Hulten page

Accepted

Onagraceae

*Epilobium latifolium**

687

no

Scientific Name

Common Name

Family

Comarum palustre

Marsh Five-finger

Rosaceae

Marsh Five-finger (*Comarum palustre*)- Long creeping (often floating) rhizomes w/ emergent stems.
Leaflets 5-7. Flowers reddish-purple secrete fetid nectar attracting carrion flies.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

*Potentilla palustris**

608

no

Scientific Name

Common Name

Family

Coptis aspleniifolia

Fern-leaved Goldthreaed

Ranunculaceae

Fern-leaved Goldthreaed- Leaves all basal, fern-like. Open forests, bogs at mid-elevations, common & wide-spread in SE AK.



Hulten Family

Hulten Name

Hulten page

Accepted

Raunculaceae

Coptis aspleniifolia

455

yes

Scientific Name

Empetrum nigrum

Common Name

Crowberry

Family

Ericaceae

Crowberry- Woods, heaths, bogs & alpine slopes (especially north facing). **Leaves small narrow needle-like, maroon colored in spring.** Tiny flowers at stem tips, early, often as snow is melting.



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Hulten Family

*Empetraceae**

Hulten Name

Empetrum nigrum

Hulten page

716

Accepted

yes

Scientific Name

Common Name

Family

Equisetum arvense

Field Horsetail

Equisetaceae

Field Horsetail (*E. arvense*)- Two types of stalks, 1st stalks green w/ leaves in early spring, joined later by reproductive, fertile stalks, lacking chlorophyll vs. *E. pratense* less stout, and also branches look banded green & white vs. several other Horsetails which have fertile tips on green stalks.



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Hulten Family

Hulten Name

Hulten page

Accepted

Equisetaceae

Equisetum arvense

38

yes

Scientific Name

Common Name

Family

Equisetum fluviatile

Water Horsetail

Equisetaceae

Water Horsetail- Stems stout, round (usually unbranched) central cavity large >3mm vs. thinner angular stems & small central cavity <3mm. of *E. palustre* & *E. scirpoides*.



Hulten Family

Hulten Name

Hulten page

Accepted

Equisetaceae

Equisetum fluviatile

36

yes

Scientific Name

Common Name

Family

Galium trifidum trifidum

Small Bedstraw

Rubiaceae

Small Bedstraw **leaves blunt (not mucronate)** in whorls of mostly 5 - 6, wet places vs. Sweet-scented Bedstraw **leaves mucronate (sharp pointed)**, not blunt, in whorls of 6 (moist woods & thickets). Used as mattress stuffing because of sweet small and not easily smashed square stems.



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Hulten Family

Hulten Name

Hulten page

Accepted

Rubiaceae

Galium trifidum trifidum

840

yes

Scientific Name

Common Name

Family

Galium triflorum

Sweetscented Bedstraw

Rubiaceae

Sweetscented Bedstraw (*G. triflorum*)- **leaves mucronate (needle-like tip)** in whorls of 6, moist woods & thickets vs. Small Bedstraw **leaves blunt** in whorls of 4 - 6, wet places.



Hulten Family

Hulten Name

Hulten page

Accepted

Rubiaceae

Galium triflorum

838

yes

Scientific Name

Geum macrophyllum

Common Name

Large-leaf Avens

Family

Rosaceae

Large-leaf Avens- **Large terminal leaflet on lyrate-pinnately compound leaf.** Petals small yellow, barely longer than sepals.



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Hulten Family

Rosaceae

Hulten Name

Geum macrophyllum

Hulten page

625

Accepted

yes

Scientific Name

Common Name

Family

Gymnocarpium dryopteris

Oak Fern

Cystopteridaceae

Oak Fern (*Gymnocarpium dryopteris*)- **Stems black. Fronds fragile**, deltoid, ternate w/ lateral branches about same size as terminal.



Hulten Family

*Aspidiaceae**

Hulten Name

Gymnocarpium dryopteris

Hulten page

56

Accepted

yes

Scientific Name

Common Name

Family

Heracleum lanatum

Cow Parsnip

Apiaceae

Cow Parsnip- *Heracleum*, Named for Hercules, who was supposed to have used it first for medicine, and because he was considered a mortal of great size and strength much like the plant. Caution: sunlight and skin contact may cause severe rash.



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Hulten Family

Hulten Name

Hulten page

Accepted

Apiaceae

Heracleum lanatum

707

yes

Scientific Name

Heuchera glabra

Common Name

Alpine Heuchera

Family

Saxifragaceae

Alpine Heuchera- Basal leaves cordate-ovate, 3-5 lobed, the lobes coarsely crenate-dentate. Stem leaves 1 or 2, reduced in size. Usually on moist rocks, cliffs, slopes. Native people used as astringent & poultice on cuts & sores, and stop bleeding & promote healing.



Hulten Family

Saxifragaceae

Hulten Name

Heuchera glabra

Hulten page

584

Accepted

yes

Scientific Name

Lathyrus palustris

Common Name

Marsh Vetchling / Marsh
Pea

Family

Fabaceae

Marsh Pea (*Lathyrus palustris*)- **Stem Winged. Leflets mostly 6, narrower.** Wingl-ike stipules and more upright growth. Smaller flowers and usually more inland from the beach.



Hulten Family

Fabaceae

Hulten Name

*Lathyrus palustris ssp pilosus**

Hulten page

673

Accepted

no

Scientific Name

Common Name

Family

Lupinus nootkatensis

Nootka Lupine

Fabaceae

Nootka Lupine- most common Lupine in SC AK. short petioles. Leaves not so pointed as Arctic Lupine which has long petioles (more than 2x the leaf diameter), and pointed leaves (found at Lazy Mtn)

Seeds 10,000 yrs old found in lemming food cache germinated to produce healthy plants.



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Hulten Family

Hulten Name

Hulten page

Accepted

Fabaceae

Lupinus nootkatensis

636

yes

Scientific Name

Common Name

Family

Maianthemum stellatum

False Solomon's Seal

Liliaceae

False Solomon Seal (*Maianthemum stellatum*)- **no hair on stems, and flowers at tip of stem.**
Poisonous vs Watermelon Berry (*Streptopus amplexifolius*)- **Stems w/ stiff hairs; flower stalk is twisted arising from leaf bases.** Edible young shoots & berries.



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Hulten Family

Hulten Name

Hulten page

Accepted

Liliaceae

*Smilacina stellata**

310

yes

Scientific Name

Moneses uniflora

Common Name

Shy Maiden

Family

Ericaceae

Shy Maiden- Small woodland plant, often w/ *Pyrolas*. Basal rosette of small light green roundish leaves w/ shallow teeth. Flower single on leafless stem faces downward.



Hulten Family

*Pyrolaceae**

Hulten Name

Moneses uniflora

Hulten page

714

Accepted

no

Scientific Name

Common Name

Family

Myosotis alpestris asiatica

Alpine Forget-me-not

Boraginaceae

Alpine Forget-me-not: AK State Flower. **Leaves blue green w/ stiff hairs. Flowers yellow eye, surrounded by white** (rarely all white).



Hulten Family

Hulten Name

Hulten page

Accepted

Boraginaceae

Myosotis alpestris ssp asiatica

779

yes

Scientific Name

Myrica gale

Common Name

Sweet Gale

Family

Myricaceae

Sweet Gale- An important nitrogen fixer in bogs. Stl'atl'imx people or NW coast called it "monkey bush" probably because it was used by sasquatches (for some purpose). On the Anchorage Coastal Wildlife Refuge, moose seem to prefer *Myrica gale* more than *Salix fuscescens*.



Hulten Family

Myricaceae

Hulten Name

Myrica gale

Hulten page

364

Accepted

yes

Scientific Name

Common Name

Family

Oplopanax horridus

Devil's Club

Araliaceae

Devil's Club- Most widely used of all North American plants by Native cultures for medical benefits. (rheumatism, arthritis, tea from roots used exclusively several days, and other use). New spring growth has excellent flavor. In fall, berries are heavily used by bears.



Hulten Family

Hulten Name

Hulten page

Accepted

Araliaceae

*Echinopanax horridum**

696

no

Scientific Name

Orthilia secunda

Common Name

Sidebells Wintergreen

Family

Ericaceae

Sidebells Wintergreen (*O. secunda*)- **thinner more pointed leaves** than other Wintergreens, **very small green bell-shaped flowers on one side of curved stem** vs. Pink Pyrola w/ round leaves and pink flowers.



Hulten Family

Pyrolaceae

Hulten Name

*Pyrola secunda ssp secunda**

Hulten page

713

Accepted

no

Scientific Name

Common Name

Family

Papaver alboroseum

Pale Poppy or Portage
Poppy

Papaveraceae

Pale Poppy- **Flowers white, salmon pink or rose w/ yellow blotch at base. Hairs on capsules ivory colored** vs Arctic Poppy & Lapland Poppy- (**flowers yellow & brownish hair on capsule**) Arctic-
flowers less than 2cm. vs. Lapland Poppy- **flowers larger than 2cm.**



Hulten Family

Hulten Name

Hulten page

Accepted

Papaveraceae

Papaver alboroseum

491

yes

Scientific Name

Common Name

Family

Picea sitchensis

Sitka Spruce

Pinaceae

Sitka Spruce- **Cones longer (5 - 9 cm) scale shape more pointed, margins rough / shaggy. Needles flattened on one side, slightly keeled on the other vs. White Spruce- Cones shorter, 3-6 cm, scales rounded, margins w/o teeth. Needles square in cross-section, skunk-like fragrance when crushed.** Most common tree of interior AK. vs Lutz Spruce- Hybrid, frequent in SC AK, has a mix of features.



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Hulten Family

Hulten Name

Hulten page

Accepted

Pinaceae

Picea sitchensis

62

yes

Scientific Name**Common Name****Family*****Polemonium acutiflorum*****Tall jacob's ladder*****Polemoniaceae***

Tall Jacob's Ladder (*P. acutiflorum*)- Corolla lobes acuminate, margins ciliate, throat white. Anthers yellow. Leaflets glabrous (or nearly so), sharply pointed. vs. *P. boreale*- Corolla lobes broadly rounded, margins glabrous, throat yellow. Anthers white. Leaflets 10 or less / side, viscid-pubescent, not sharply pointed tips. Both very common in AK.



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Hulten Family**Hulten Name****Hulten page****Accepted***Polemoniaceae**Polemonium acutiflorum*

767

yes

Scientific Name

Common Name

Family

Pyrola asarifolia asarifolia

Pink Pyrola

Ericaceae

Pink Pyrola (*P. asarifolia*)- **Flowers pinkish**, Spike 8-10" w/ nodding flowers. Leaves round, wintergreen. Styles protruding vs. *P. chlorantha* smaller leaves, flowers greenish-white vs *P. grandiflora* large leaves, **Flowers large white or greenish-white** vs. Sidebells Wintergreen- **thinner more pointed leaves, very small green bell-shaped flowers on one side of curved stem**. All these **Wintergreens** can photosynthesize under shallow snow.



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Hulten Family

Hulten Name

Hulten page

Accepted

*Pyrolaceae**

Pyrola asarifolia

711

no

Scientific Name

Common Name

Family

Rhododendron menziesii

Fool's Huckleberry

Ericaceae

Fool's Huckleberry- Moist woods in southern AK. **Erect shrub w/ light brown branches, somewhat shredding bark.** Flowers bell-shaped and light orange to rust colored. Seed pods, star shaped, distinctive.



Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

*Menziesia ferruginea**

720

no

Scientific Name

Ribes laxiflorum

Common Name

Trailing Black Currant

Family

Grossulariaceae

Trailing Black Currant (*R. laxiflorum*)- **Sepals small pointed (not rounded), hairy on back.** Ovary w/ stalked glands. Racemes mostly erect ascending. **Twigs coarse, more than 3mm thick.**



Hulten Family

Saxifragaceae*

Hulten Name

Ribes laxiflorum

Hulten page

592

Accepted

no

Scientific Name

Common Name

Family

Ribes triste

Red Currant

Grossulariaceae

Red Currant (*R. triste*)- **Usually upright (not sprawling). Bark shredding.** Sepals very small reddish to purplish. Ovary w/o stalked glands. Racemes drooping vs. **All other Ribes have strong odor & bark not shedding.**



Hulten Family

Saxifragaceae*

Hulten Name

Ribes triste

Hulten page

592

Accepted

no

Scientific Name

Common Name

Family

Rubus pedatus

Trailing Raspberry

Rosaceae

Trailing Raspberry- A delicate trailing vine, w/ white petals. The red berries make excellent jam, but seldom occurs in large quantities.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Rubus pedatus

601

yes

Scientific Name

Common Name

Family

Rubus spectabilis

Salmonberry

Rosaceae

Salmonberry (*R. spectabilis*)- Shrub, forming very bristly thickets. Leaves 3 lobed. Petals reddish purple. Fruits red or yellow.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Rubus spectabilis

604

yes

Scientific Name

Rubus stellatus

Common Name

Nagoonberry

Family

Rosaceae

Nagoonberry- 3 in SC AK & hybrids occur. Trailing vines w/ magenta flowers. Great tasting berries, but difficult to harvest in large amount. Rubus is the ancient Latin word for bramble.



Hulten Family

Rosaceae

Hulten Name

*Rubus arcticus ssp stellatus**

Hulten page

603

Accepted

no

Scientific Name

Common Name

Family

Salix barclayi

Barclay Willow

Salicaceae

Barclay Willow (*S. barclayi*)- Medium sized bush. **Leaves toothed, shiny above, glaucous & hairless below. (New leaves sparsely hairy). Stipules broad remaining on plant till fall.** Young twigs blackish densely hairy, becoming reddish, hairless. Capsules hairless. **Willow Roses aids identification.** The most common thicket forming willow in SC AK. 3 willows provide most moose browse in SC AK: *S. scouleriana*, *S. alaskensis*, and *S. barclayi* because they produce less salicylic acid (less bitter).



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Hulten Family

Hulten Name

Hulten page

Accepted

Salicaceae

Salix Barclayi

353

yes

Scientific Name

Common Name

Family

Salix commutata

Undergreen Willow

Salicaceae

Undergreen Willow- 1-2 m tall w/ overall light green appearance. **leaf Margins w/ glandular teeth & long hairs on both surfaces (only thinly hairy in age)** Twigs often branching at right angles to the stem, densely gray hairy when young, vs Blueberry willow leaves hairless.



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Hulten Family

Hulten Name

Hulten page

Accepted

Salicaceae

Salix commutata

353

yes

Scientific Name

Salix sitchensis

Common Name

Sitka Willow

Family

Salicaceae

Sitka Willow- Tall shrub / tree. Lower leaf **dense straight silky hairy, upper green w/ scattered hairs.**



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Hulten Family

Salicaceae

Hulten Name

Salix sitchensis

Hulten page

361

Accepted

yes

Scientific Name

Common Name

Family

Sambucus racemosa pubens

Red-berried Elder

Adoxaceae

Red-berried Elder- A shrub, with opposite leaves. Twigs are warty, soft and pithy inside. Flowers and juice edible. **Caution:** seeds are poisonous, causing diarrhea & vomiting.



Hulten Family

*Caprifoliaceae**

Hulten Name

Sambucus racemosa

Hulten page

841

Accepted

yes

Scientific Name

Common Name

Family

Sanguisorba canadensis latifolia

Sitka Burnet

Rosaceae

Sitka Burnet- Basal leaves pinnate, w/ 9-15 roundish, coarsely serrated leaflets. Stem leaves much reduced. Flowering spikes long-cylindrical. Bogs, swamps, meadows, & snow beds. vs *S. officinalis*
Flowering spike short rounded, red flowered.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

*Sanguisorba stipulata**

633

no

Scientific Name

Common Name

Family

Sceptridium multifidum

Leathery Grape Fern

Ophioglossaceae

S. multifidum Rare plant list **S1 S2**. Sterile blade basal. Other similar species have the blade born from the middle or upper part of the stem.



Hulten Family

Hulten Name

Hulten page

Accepted

Ophioglossaceae

Botrychium multifidum ssp *robustum**

41

no

Scientific Name

Common Name

Family

Spinulum annotinum

Stiff Club Moss

Lycopodiaceae

Stiff Club Moss (*S. annotinum*)- **Appears stiff and bistly leafed, not apressed or flattened leaves. Spikes sessile, solitary at ends of branches.** Spores are very rich in oil, highly flammable. At one time they were used by photographers and performers as flash powder, giving the effect of lightning on the stage. Because they ignite explosively, club-moss spores were called 'witch's flour.'



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Hulten Family

Hulten Name

Hulten page

Accepted

Lycopodiaceae

Lycopodium annotinum

27

yes

Scientific Name

Common Name

Family

Streptopus amplexifolius

Watermelon Berry

Liliaceae

Watermelon Berry (*Streptopus amplexifolius*)- **Stems w/ stiff hairs; flower stalk is twisted arising from leaf bases.** Edible young shoots & berries vs. False Solomon Seal (*Maianthemum stellatum*)- **no hair on stems, and flowers at tip of stem.** Poisonous.



Hulten Family

Hulten Name

Hulten page

Accepted

Liliaceae

Streptopus amplexifolius

311

yes

Scientific Name

Common Name

Family

Tsuga mertensiana

Mountain Hemlock

Pinaceae

Mountain Hemlock- **Leaves blunt, mostly spreading in all directions from twigs**, bearing stomata on both surfaces; **seed cones 3-6 cm, half as wide** vs Western Hemlock- Leaves mostly appearing 2-ranked, bearing stomata on abaxial surface only; **seed cones ovoid, less than 3 cm cm long** (Kodiak, Cordova, SE AK).



Hulten Family

Hulten Name

Hulten page

Accepted

Pinaceae

Tsuga mertensiana

63

yes

Scientific Name

Common Name

Family

Vaccinium ovalifolium

Early Blueberry

Ericaceae

Early Blueberry (*V. ovalifolium*)- **Shrub**. Twigs angled. **Leaves more than 2 cm long** vs Red Huckleberry (*V. parvifolium*)- Shrub. Twigs angled. Leaves small, 1-2 cm long. Fruit red vs Bog Blueberry (*V. uliginosum*)- **Twigs rounded. Plant <40 cm tall. Leaf margins entire.** vs. Dwarf Blueberry Twigs rounded. Plant <40 cm tall, **Leaf margins finely toothed.**



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Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Vaccinium ovalifolium & alaskaense

733

yes

Scientific Name

Common Name

Family

Viburnum edule

High Bush Cranberry

Adoxaceae

High Bush Cranberry- **Opposite leaves, large clusters of white flowers** vs. Red Currant- **berries hanging in chains, and leaves alternate, maple shaped leaves. Twigs w/ peeling bark.**



Hulten Family

*Caprifoliaceae**

Hulten Name

Viburnum edule

Hulten page

842

Accepted

no

Scientific Name

Common Name

Family

Hylocomiadelphus triquetrus

Electrified cat's-tail moss

Hylocomiaceae

Electrified cat's-tail moss- Pipe-cleaner look. bushy moss that forms shoots from 5 to 15 or 20 cm long, with irregularly branched, red stems. Usually on humus-rich forest floor.



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Hulten Family

Hulten Name

Hulten page

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Rhytidiadelphus triquetrus

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yes

Polytrichum juniperinum

Juniper Hair-cap Moss

Polytrichaceae

Hair-cap Moss- four in Anchorage area. Juniper Haircap (*P. juniperinum*) - stems reddish with **grey-green leaves that have a distinctive red-brown tip. Usually on mineral soil. Stems brownish tomentose only near base; capsules to 2 times longer than broad.** vs. Common Haircap (*P. commune*) - leaves w/ green tip w/o long hyaline awn. **On moist organic soils.** vs. White-awned haircap (*P. piliferum*) - stems reddish. **Leaf sheaths ovate, abruptly contracted to a long green tip w/hyaline awn. sites that are open, dry and acidic, such as in shallow soil** vs. *P. strictum* - Folded leaf margins and short reddish leaf tips. **Stems densely whitish tomentose; capsules cubic.**



Hulten Family

Hulten Name

Hulten page

Accepted

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yes

Scientific Name

Cladonia stellaris

Common Name

Star-tipped Reindeer Lichen

Family

Cladoniaceae



Hulten Family

Hulten Name

*Cladina stellaris**

Hulten page

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Accepted

no

Scientific Name

Common Name

Family

Peltigera aphthosa

Freckled Pelt Lichen

Peltigeraceae

P. aphthosa- Cephalodia sessile to sunken, less readily removed, not becoming lobulate vs. *P. britannica*- Cephalodia raised, the edges free, easily flicked off with a fingernail, occasionally developing into grayish lobules.



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Hulten Family

Hulten Name

Hulten page

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yes