

A Field Guide to Plants at Indianhouse Mountain

This booklet is formatted to fit on a phone to assist with field ID of plants and lichens found on the route to Indianhouse Mountain (4435 feet). Parking is a unmarked pullout at milepost 104.5 on the Seward Highway, southbound from Anchorage. Alaska Native Plant Society field trips have visited a low band of south-facing cliffs just 600 feet up from the highway for early spring flowers and great views. Farther up the trail becomes more strenuous, as it gets to sun and wind-exposed areas. The upper part has a wilderness character with very few visitors due to challenging terrain. Near the summit, Dall sheep are often seen, along with occasional grizzly bears, and rarely mountain goats.

For a complete checklist of flora along the route to Indianhouse Mountain, visit the Alaska Native Plant Society website: <https://aknps.org>. We are an non-profit organization founded in 1982 to promote awareness, education and preservation of Alaska native flora.

This guide is sorted by scientific names consistent with the 2020 Flora of Alaska Project, and a cross-reference to Hulten's 1968 *Flora of Alaska and Neighboring Territories* is provided. Photos and field notes are copyrighted to Dennis Ronsse. A few lichens and mosses are included, since they are very common and important components of the ecosystem.

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Scientific Name**Common Name****Family*****Actaea rubra arguta*****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. ssp *arguta* S Coastal AK Penn to SE AK and inland 100+ miles has "ultimate leaf segments caudate, very acute. Plant more pubescent" vs. ssp *rubra* interior AK. "ultimate leaf segments not caudate. Plant sparsely pubescent" vs. Goatsbeard (*Aruncus*) leaves double toothed, not cleft.



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Hulten Family**Hulten Name****Hulten page****Accepted***Ranunculaceae**Actaea rubra arguta*

456

yes

Scientific Name

Common Name

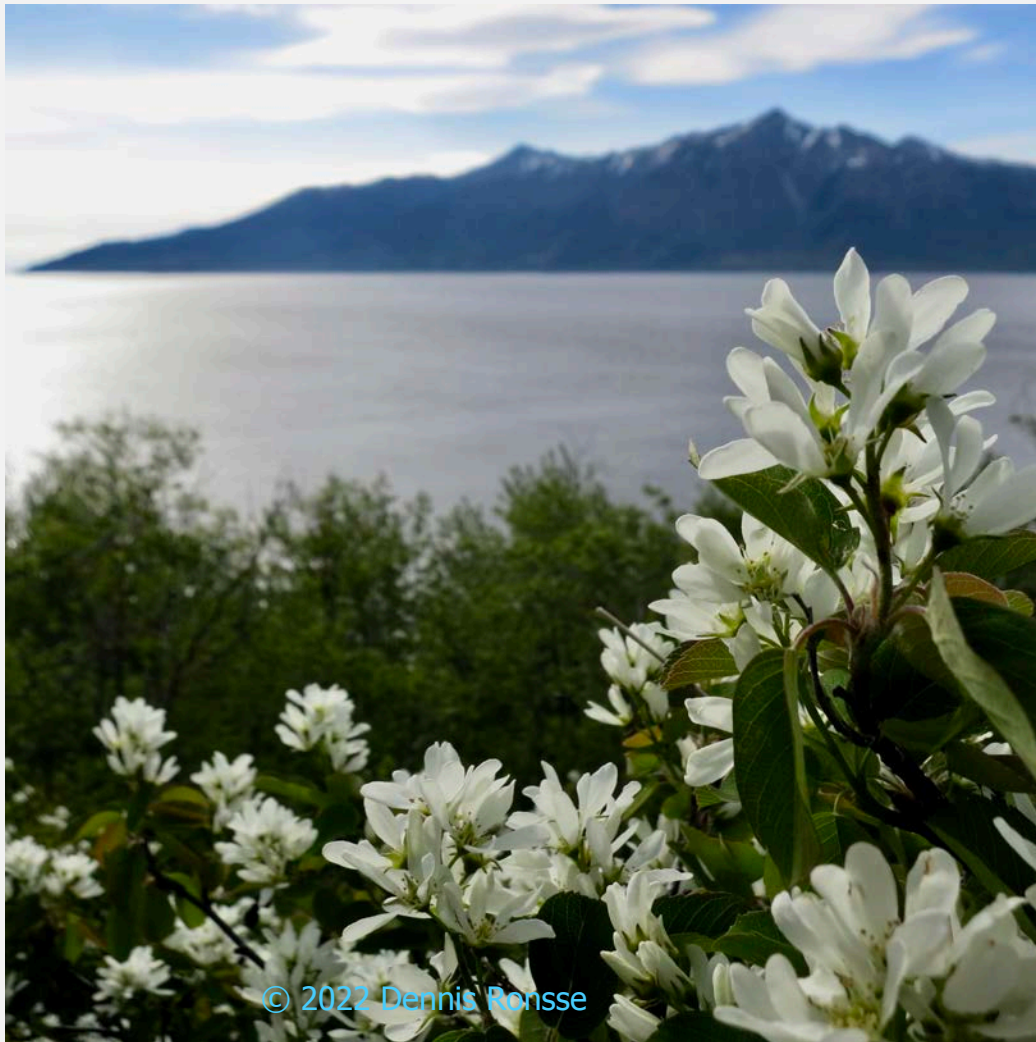
Family

Amelanchier alnifolia

Saskatoon Serviceberry

Rosaceae

Saskatoon Serviceberry (*Amelanchier alnifolia*)- Leaves alternate, blades nearly round w/ coarse teeth at the apex. Flowers white, in fragrant clusters. Fruits purple, nearly black, covered w/ bloom, sweet juicy & edible. Planted for landscape in Interior AK, used by wildlife.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

*Amelanchier florida**

599

no

Scientific Name

Common Name

Family

Androsace septentrionalis

Pygmy-flower rock-jasmine

Primulaceae

Pygmy-flower rock-jasmine (*A. septentrionalis*)- Early delicate inconspicuous white / pink flowers on long flowering stalks branching near the top vs Alaska Dwarf Primrose (*Douglasia alaskana*)- Flowering stalks very long, **arising from basal rosette, no primary scape**. More alpine.



Hulten Family

Hulten Name

Hulten page

Accepted

*Ericaceae***Androsace septentrionalis*

745

no

Scientific Name

Anemone multifida

Common Name

Cut-leaf Anemone

Family

Ranunculaceae

Cut-leaf Anemone (*A. multifida*)- **Flowers 1-7 small, creamy white, underneath rosy or lavender. Achenes villous.** Leaves finely cut. vs. *A. drummondii* **Flowers 1** (rarely 2) white often blueish outside.



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Hulten Family

Ranunculaceae

Hulten Name

Anemone multifida

Hulten page

465

Accepted

yes

Scientific Name

Common Name

Family

Antennaria rosea

Pink Pussy Toes

Asteraceae

Pussytoes- 4 in SC AK have small gray spatulate basal leaves w/ mucronate tips. Alaskan Pussytoes (*A. friesiana*)- **Flowering stems w/ glands.** involucre bracts very dark vs. Alpine Pussytoes (*A. alpina*)- **Flowering stems w/o glands.** Involucre bracts very dark vs. Pink Pussytoes (*A. rosea*)- **flowers w/ light colored involucre bracts (pink, white, cream colored, not dark green or black) vs. Littleleaf Pussytoes (*A. microphylla*)- distally stipitate-glandular and white phyllaries vs. *A. rosea*- stems without glandular hairs and phyllaries only occasionally white.**



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Antennaria rosea

880

yes

Scientific Name

Anticlea elegans

Common Name

Death Camas

Family

Melanthiaceae

Death Camas- Leaves appear in early spring, sedge-like appearance. Poisonous, Okanagan people used the mashed bulb as arrow tip poison.



Hulten Family

*Liliaceae**

Hulten Name

*Zygadenus elegans**

Hulten page

305

Accepted

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).



Hulten Family

Ranunculaceae

Hulten Name

Aquilegia formosa

Hulten page

457

Accepted

yes

Scientific Name

Common Name

Family

Arabidopsis kamchatica

Kamchatka Rockcress

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 people for centuries.



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Hulten Family

Hulten Name

Hulten page

Accepted

Brassicaceae

*Arabis lyrata**

545

no

Scientific Name

Common Name

Family

Arctostaphylos uva-ursi

Kinnikinnik

Ericaceae

Kinnikinnik- Evergreen spatulate leaves, smooth edges not rolled under. Dry places, birch forest. vs Lowbush Cranberry evergreen leaves, rolled under and more round (not spatulate).



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Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Arctostaphylos uva-ursi

729

yes

Scientific Name

Arctous alpina

Common Name

Black Bearberry

Family

Ericaceae

Alpine Bearberry- **Leaves smaller (4-15mm), rugose, some hairs at base, persisting for years.** Berries mature to blue-black. vs. Red Bearberry **Leaves less persistent, larger (15-30mm), less reticulated, glabrous.** Berries red & sweet.



Hulten Family

Ericaceae

Hulten Name

*Arctostaphylos alpina**

Hulten page

730

Accepted

no

Scientific Name

Athyrium filix-femina cyclosorum

Common Name

Lady Fern

Family

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

Athyriaceae*

Hulten Name

Athyrium filix-femina

Hulten page

48

Accepted

no

Boechera grahamii

Spreadingpod rockcress

Brassicaceae

Spreading Rockcress (*B. grahamii*)- **Fruits spreading**. Basal leaves oblanceolate to spatulate 2-10 mm wide. **Petals usually white** (rarely lavender). Stems glabrous or pubescent proximally.

vs Reflexed Rockcress (*B. retrofracta*)- **Fruits reflexed**. **Basal leaves narrow, entire, somewhat acute**. **Petals smaller white (to lavender)**. **Stems densely pubescent proximally**. vs. Drummond's Rockcress (*B. stricta*)- **Fruits ascending**. **Basal leaves lance-shaped, tapering to a stalk**. **Flowers 8-40 or more, petals larger white (pinkish w/ age), 7-11 mm long**.



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Hulten Family

Brassicaceae

Hulten Name

*Arabis divaricarpra**

Hulten page

548

Accepted

no

Scientific Name

Common Name

Family

Campanula rotundifolia

Harebell

Campanulaceae

Harebell (*C. rotundifolia*)- **Flowers usually many & nodding. Basal leaves usually withered. Calyx lobes entire** vs. Mountain Harebell (*C. lasiocarpa*)- **Flowers usually single, upright, very large for the size of plant. Leaves mostly basal. Calyx lobes with slender teeth.** Stony tundra & cliffs.



Hulten Family

Hulten Name

Hulten page

Accepted

Campanulaceae

Campanula rotundifolia

850

yes

Scientific Name

Common Name

Family

Carex hoodii

Hood's Sedge

Cyperaceae

Carex hoodii- Cespitose w/ androgynous spikes in a dense head. Perigynia green w/ coppery center. Rare Plant S1 G5, Normally WA, OR, southern BC, 1500-2000 miles away, but also on dry slopes of Turnagain Arm.



Hulten Family

Hulten Name

Hulten page

Accepted

Cyperaceae

Carex Hoodii

215*

yes

Scientific Name**Common Name****Family*****Cassiope lycopodioides*****Club-moss Mountain
Heather***Ericaceae*

Club-moss Mountain Heather- Dwarf matted w/ long thin prostrate branches. Flowers white, bell shaped on thin stalks at branch tips. Leaves appressed, not spreading & upright like Moss Heather. Not robust and 4 sided like Bell Heather.

**Hulten Family****Hulten Name****Hulten page****Accepted***Ericaceae**Cassiope lycopodioides*

726

yes

Scientific Name

Common Name

Family

Cassiope tetragona

Bell Heather

Ericaceae

Bell Heather (*C. tetragona*)- hanging white bell shaped flowers. **Stems rectangular, leaves in 4 rows, causing branches to look like phillips screwdriver.** vs Moss Heather- Evergreen dense soft mat. flowers bell-shaped, white w/ red sepals, **at branch ends on stalks just above a mat, not in 4 rows.** **Perfume like fragrance.**



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Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Cassiope tetragona

725

yes

Scientific Name

Common Name

Family

Castilleja unalaschcensis

Coastal Paintbrush

Orobanchaceae

Coastal Paintbrush- Leaves long pointed & hairy. **Clusters of yellow "flowers" (bracts) at stem tips** conceal small flowers (resemble a brush dipped in paint).



Hulten Family

Hulten Name

Hulten page

Accepted

*Scrophulariaceae**

Castilleja unalaschcensis

807

yes

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

Coeloglossum viride

Long-bract Frog Orchid

Orchidaceae

Long-bract Frog Orchid- Flowers green or brownish; sepals ovate, 3–8 × 2–5 mm, forming hood over column; petals linear, 3–5 × 0.5 mm; lip descending beneath hood.



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Hulten Family

Hulten Name

Hulten page

Accepted

Orchidaceae

Coeloglossum viride ssp bracteatum

319

yes

Scientific Name

Common Name

Family

Draba aurea

Coast Mountain Draba

Brassicaceae

Coast Mountain Draba (*D. aurea*)- **Petals yellow. Stem leaves 10-20 w/ densely star-like-hairy on both surfaces.** perennial. vs *D. stenoloba* **yellow flowers. few stem leaves.** Annual usually. Upper leaf w/ 2-4 rayed & simple hairs. (only 2 *Draba* locally w/ yellow flowers & 1-2 to several stem leaves).



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Hulten Family

Hulten Name

Hulten page

Accepted

Brassicaceae

Draba aurea

536

yes

Scientific Name

Common Name

Family

Draba incerta

Yellowstone Draba

Brassicaceae

D. incerta- Petals yellow, 4-6 mm long. Stem leaves 0 (but often 1 bract). blades narrowly oblanceolate to linear, midvein prominent & stalked trichomes. Upper leaf surface w/ comb-like hairs. vs. *D. oligosperma* petals 2.5-4mm. Midvein obscure vs. *D.ruaxes* leaves wider (to sub-orbicular) upper leaf w/ simple, forked or few-branched hairs. leaf margin fringed.



Hulten Family

Brassicaceae

Hulten Name

Draba incerta

Hulten page

525

Accepted

yes

Scientific Name

Common Name

Family

Draba nivalis

Snow Draba

Brassicaceae

Snow Draba (*D. nivalis*)- **Petals white (2-4 mm). Stem leaves 0 (or 1). Dwarf (2-10cm tall) leaves densely stellate pubescent. Pale gray glaucous appearance** recognizable at a distance. Dry rocky or gravelly places. vs. *D. lonchocarpa* Petals white. Stem leaves 0 or 1(-4). lower leaf surfaces greyish w/ tiny star-like hairs, **upper surface usually hairless, and ciliate margins.** vs. *D. cinerea* **Stem leaves 0-5. basal leaves ashy gray on both surfaces.**



Hulten Family

Brassicaceae

Hulten Name

Draba nivalis

Hulten page

523

Accepted

yes

Dryas ajanensis beringensis

White Mountain Avens

Rosaceae

White Mountain Avens (3 in SC AK, need magnification & hybrids occur) *D. ajanensis* ssp *beringensis*- **Leaf sinuses 5–25% to midvein. Feathery hairs and stipitate glands abundant along midveins abaxially.** vs. *D. hookeriana* **Leaf sinuses 5-25% to midvein, no feathery hairs, but midveins and petioles abaxially stipitate-glandular (rare)** vs Alaska Mountain Avens **sinuses of margins 45–60% to midvein. Feathery hairs absent on leaf underside.**



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Hulten Family

Rosaceae

Hulten Name

Dryas octopetala ssp *octopetala* var *octopetala*

Hulten page

630

Accepted

no

Scientific Name

Drymocallis convallaria

Common Name

Tall Cinquefoil

Family

Rosaceae

Tall Cinquefoil (*Drymocallis arguta*)- Stems tall, erect. Leaves pinnate, 7-9 roundish leaflets, w/ deeply serrated edges.



Hulten Family

Rosaceae

Hulten Name

*Potentilla arguta**

Hulten page

618

Accepted

no

Scientific Name

Common Name

Family

Dryopteris fragrans

Fragrant Shield Fern

Dryopteridaceae

Fragrant Shield Fern (*D. fragrans*)- Leaves green all winter. **Dead fronds turn gray and remain attached. Stipe short, caffy w/ brown scales. indusia kidney shaped (not hairy). Blades tapering from middle to base.** Sunny dry, rocky outcroppings & boulder fields. vs. Rusty Fern (*Woodsia ilvensis*)- **no persistent dead fronds. Blades not tapering from middle to base. indusia hairy.**



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Hulten Family

Hulten Name

Hulten page

Accepted

*Aspidiaceae**

Dryopteris fragrans

56

no

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

Erigeron compositus

Dwarf Mountain Fleabane

Asteraceae

Dwarf Mountain Fleabane- **Narrowly divided ternate leaves.** Very early leaves & flowers.



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Erigeron compositus

862

yes

Scientific Name

Common Name

Family

Geranium erianthum

Woolly Geranium

Geraniaceae

Cranesbill- tall plant. Petals lavender w/ dark stripes. **Leaves large coarse, deeply toothed, palmately lobed.** Mostly forests & meadows, to just above tree line. An attractive ornamental in Anchorage gardens.



Hulten Family

Hulten Name

Hulten page

Accepted

Geraniaceae

Geranium erianthum

674

yes

Scientific Name

Common Name

Family

Harrimanella stelleriana

Moss Heather

Ericaceae

Moss Heather (*H. stelleriana*)- Evergreen dense soft mat. flowers bell-shaped, **white w/ red sepals**, at branch ends on stalks just above a mat, **not in 4 rows**. **Perfume like fragrance** vs Bell Heather- hanging white bell shaped flowers. **Stems rectangular, leaves in 4 rows, causing branches to look like Phillips screwdriver.**



Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

*Cassiope stelleriana**

726

no

Scientific Name

Common Name

Family

Juniperus horizontalis

Creeping Juniper

Cupressaceae

Creeping Juniper (*J. horizontalis*)- **Leaves scale-like, not small sharp spines & not fragrant.**
(Rare Plant on AK Nat Heritage Program S3, G5) vs Mountain Juniper (*J. communis*)- prostrate shrub up to .6 m tall. **leaves stiff, sharp spines. Wonderful fragrance.**



Hulten Family

Hulten Name

Hulten page

Accepted

Cupressaceae

Juniperus horizontalis

65

yes

Scientific Name

Lloydia serotina

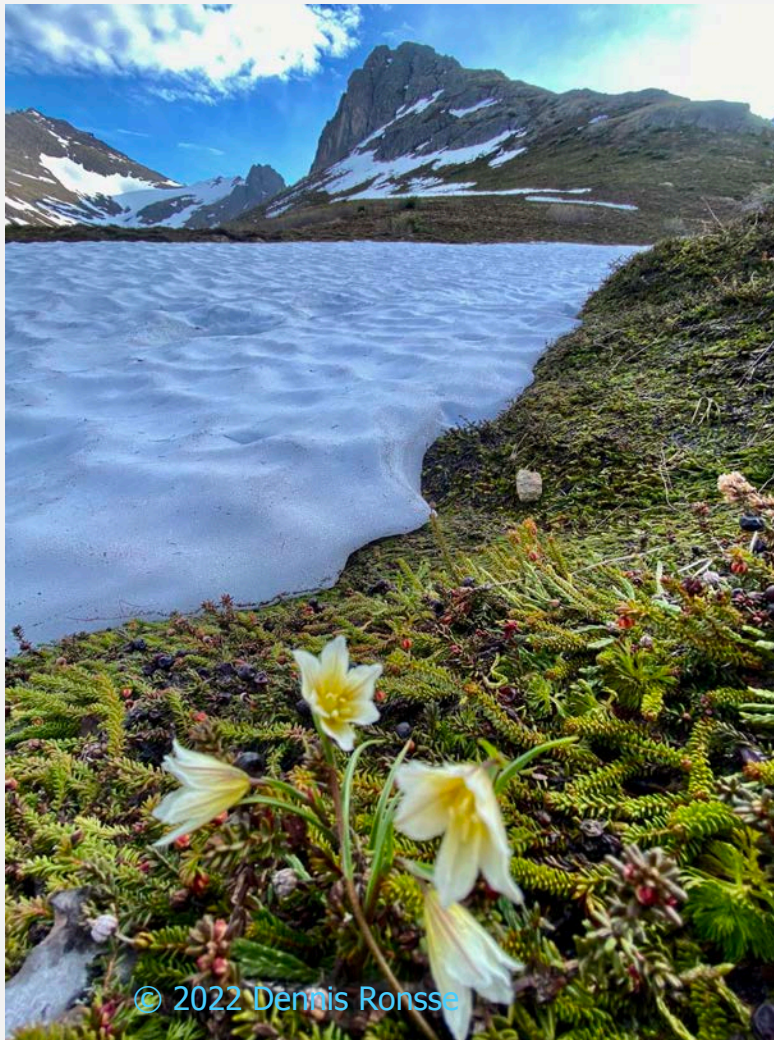
Common Name

Alp Lily

Family

Liliaceae

Alp Lily- Leaves thin grass-like. Flowers appear to have 6 pointed petals, really are 3 sepals & 3 petals look much alike.



Hulten Family

Liliaceae

Hulten Name

Lloydia serotina

Hulten page

308

Accepted

yes

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.



Hulten Family

Hulten Name

Hulten page

Accepted

Fabaceae

Lupinus nootkatensis

636

yes

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

Boraginaceae

Hulten Name

Myosotis alpestris ssp asiatica

Hulten page

779

Accepted

no

Scientific Name

Common Name

Family

Oxytropis varians

Field Oxytrope

Fabaceae

Field Oxytrope (*O. varians*)- **tan colored stipules** at the base of the stem vs. *O. Maydelliana* **rusty colored stipules** at the base of the stem. Both have leaflets w/ pointed tips vs. Jacob's Ladder w/ rounded tips. *Oxytropis* and *Astragalus* can absorb selenium and molybdenum from the soil. If ingested causes staggering, labored breathing and convulsions.



Hulten Family

Hulten Name

Hulten page

Accepted

Fabaceae

*Oxytropis campestris gracilis**

664

no

Scientific Name

Polemonium pulcherrimum lindleyi

Common Name

Beautiful Jacob's Ladder

Family

Polemoniaceae

Beautiful Jacob's Ladder (*P. pulcherrimum*)- 8-14" tall. Dry rocky places. **Flowers w/ yellow centers. Leaflets w/ rounded tips and sort of like miniature staircase.** vs Tall Jacob's Ladder (*P. caeruleum* / *acutiflorum*)- Tall (10-36") w/ sticky hairy stems. **Leaves glabrous on both sides (or nearly so). Petals blue w/ white centers, acute, ciliate in margin.** Wet meadows, along streams. vs. Oxytropes w/ more pointed leaflets and usually some leaflets abruptly twisted.



Hulten Family

Polemoniaceae

Hulten Name

Polemonium pulcherrimum

Hulten page

769*

Accepted

yes

Scientific Name

Common Name

Family

Polystichum lonchitis

Mountain Holly Fern

Dryopteridaceae

Mountain Holly Fern- fronds long slender. CPNWH shows Crow Pass area, Harding Icefield, Exit Glacier, add Reed Lakes 2017.



Hulten Family

Hulten Name

Hulten page

Accepted

Aspidiaceae

Polystichum lonchitis

53

yes

Scientific Name**Common Name****Family***Potentilla arenosa arenosa***Bluff Cinquefoil***Rosaceae*

Bluff Cinquefoil (*P. arenosa ssp arenosa*)- **Tri-foliolate, middle leaflet with petioles to 5mm.** Wooly underneath, Epicalyx bractlets usually 1/2 or less as wide as sepals; Petioles w/ long hairs (no cottony hairs). vs. Other tri-foliolate cinquefoils middle leaflet not stalked. No long straight hairs on petioles; Epicalyx bractlets more than 1/2 as wide as sepals.

**Hulten Family****Hulten Name****Hulten page****Accepted***Rosaceae**Potentilla nivea ssp arenosa**

614

no

Scientific Name

Potentilla rubricaulis

Common Name

Red-stemed Cinquefoil

Family

Rosaceae

Red-stemed Cinquefoil (*P. rubricaulis*)- **Usually 5-7 leaflets white wooly on lower surface, middle leaflet not stalked.** Calyx mini-bracts very narrow. Stems less than 15cm.



Hulten Family

Rosaceae

Hulten Name

Potentilla Hookeriana ssp *Hookeriana**

Hulten page

615.1

Accepted

no

Scientific Name

Common Name

Family

Potentilla villosula

Villous Cinquefoil

Rosaceae

Villous Cinquefoil (*P. villosula*)- Terminal leaflet not stalked, **topsides very hairy**, underside white woolly, Flower stalks & lower stem w/ long silky hairs, **but no short-wooly or felted hairs. Epicalyx bracts 1-3 mm wide, oblong to lance shaped.** Flowers **(1-)2-3(-4)**. Often found on cliffs, ridge lines, & ledges. Most likely of SC AK Trifoliate Cinquefoils. Four others & hybrids in SC AK very similar (need magnification).



Hulten Family

Rosaceae

Hulten Name

Potentilla villosula

Hulten page

611*

Accepted

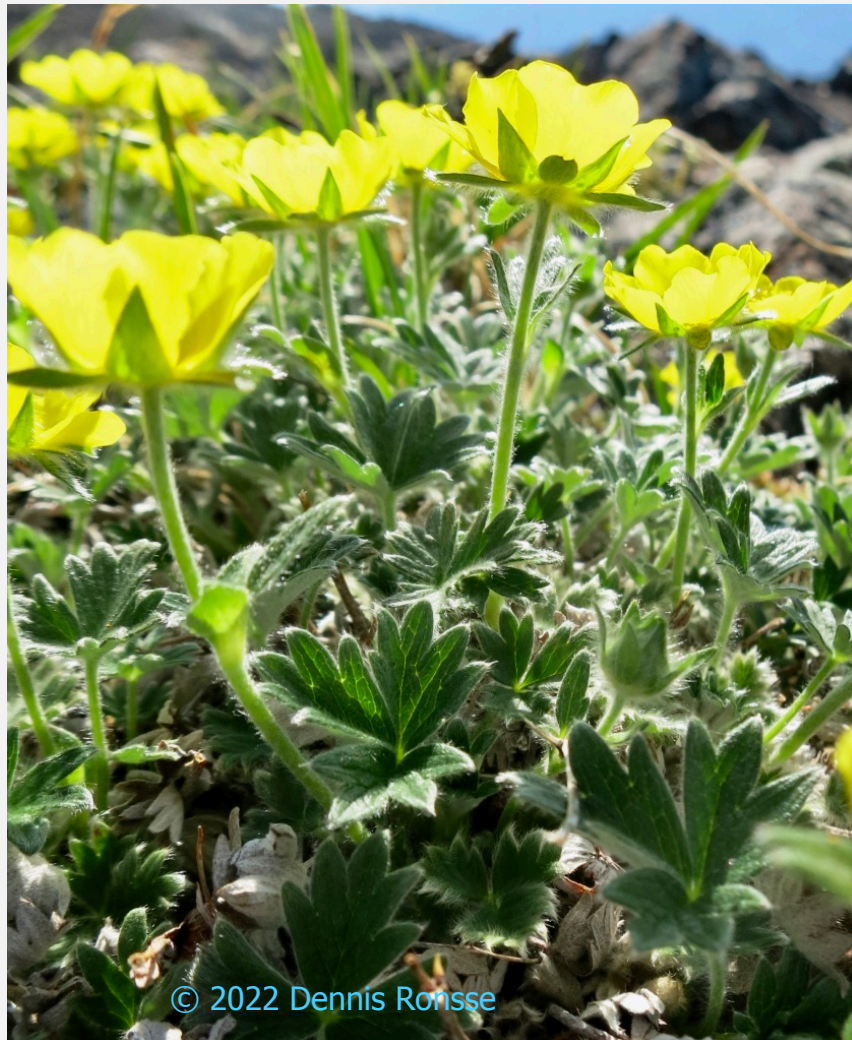
yes

Potentilla vulcanicola

Kamchatka Cinquefoil

Rosaceae

Kamchatka Cinquefoil (*P. vulcanicola*)- Terminal leaflet not stalked, **topsides sparsely hairy**, underside white woolly, Flower stalks & lower stem w/ long silky hairs, **but no short-wooly or felted hairs. Epicalyx bracts 1-3 mm wide, oblong to lance shaped.** Flowers 1-2 (-5). Often found on cliffs, ridge lines, & ledges. vs Villous Cinquefoil (*P. villosula*)- upper leaf surface densely silky-hairy; calyx mini-bracts narrowly elliptic 2-3.5 mm wide; flowers 2-3.



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Hulten Family

Rosaceae

Hulten Name

Potentilla uniflora

Hulten page

612

Accepted

no

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

Rosa nutkana

Nootka Rose

Rosaceae

Nootka Rose (*R. nutkana*)- only a **few spines (usually paired at stem nodes)** vs. Prickly Rose (*R. acicularis*) **Very prickly**. Hybrids occur where ranges overlap (like SC AK). Caution: don't eat the seeds, they have 2 spines and might lodge in your intestines. Hips are high vit C. Petals make good tea.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Rosa nutkana

635

yes

Scientific Name

Common Name

Family

Saxifraga eschscholtzii

Ciliate Saxifrage

Saxifragaceae

Cushion Saxifrage (*S. eschscholtzii*)- Inconspicuous, very compact alpine plant, mostly crevices & rock ledges. **Leaves w/ long cilia wrapping wart-like leaf clusters.** Flowers very small, yellow turning to red.



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Hulten Family

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga eschscholtzii

566

yes

Scientific Name

Common Name

Family

Saxifraga tricuspidata

Prickly Saxifrage

Saxifragaceae

Prickly Saxifrage (*S. tricuspidata*)- White flowers w/ lavender spots. **"Evergreen leaves"** Leaf tips w/ **3 sharp spiny teeth**. become very red in winter, return to green in summer. vs Yellow Spotted Saxifrage- Densely caespitose, **clusters of small single spine tipped leaves in a sausage-like shape**. Petals white or cream-colored w/ yellow spots.



Hulten Family

Saxifragaceae

Hulten Name

Saxifraga tricuspidata

Hulten page

571

Accepted

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.**



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Hulten Family

*Caprifoliaceae**

Hulten Name

Viburnum edule

Hulten page

842

Accepted

no

Scientific Name

Common Name

Family

Viola adunca

Dog Violet

Violaceae

Dog Violet (*V. adunca*)- **dry rocky areas, flowers numerous short stemmed purple.** Stipules jagged or sharp-toothed vs. Alaska Violet (*V. langsdoeffii*)- stipules entire. Snowbeds, meadows & streams vs. White Violet (*V. renifolia*)- woodland clumping type. Flowers small white.



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Hulten Family

Hulten Name

Hulten page

Accepted

Violaceae

Viola adunca

682

yes

Scientific Name

Common Name

Family

Viola renifolia

White Violet

Violaceae

White Violet (*V. renifolia*)- woodland clumping growth. Flowers small white. Leaves glabrous w/ open sinus (flowers before others).



Hulten Family

Hulten Name

Hulten page

Accepted

Violaceae

Viola renifolia

683

yes

Hedwigia ciliata**White-tipped Moss***Hedwigiaceae*

White-tipped Moss (*Hedwigia ciliata*) easy to recognize by the spiky leaf shape and white tipped stems. Indigenous mountain people all over the world have used it for anti-bacterial benefits.



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Hulten Family**Hulten Name****Hulten page****Accepted**

Scientific Name

Racomitrium lanuginosum

Common Name

Woolly Rock Moss

Family

Grimmiaceae

Hoary Rock Moss- Large whitish- or gray-green mounds. Leaves medium, narrow, lance-shaped with long, slender, clear bristle- point, contrasting with green lower portion; midrib strong. The overlapping, long- bristled leaf tips help protect from drying wind and sun. In the Chugach it is often found on drier acidic rocks.



Hulten Family

Hulten Name

Hulten page

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Accepted

yes

Peltigera britannica

Flaky Freckled pelt lichen

Peltigeraceae

P. britannica- Cephalodia raised, the edges free, easily flicked off with a fingernail, occasionally developing into grayish lobules vs. *P. aphthosa*- Cephalodia sessile to sunken, less readily removed, not becoming lobulate. Over twenty species of this genus on Alaska's south coast. Many partner w/ cyanobacteria & are important to ecology as nitrogen fixers.



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Hulten Family

Hulten Name

Hulten page

Accepted

Thamnolia**Whiteworm Lichens***Icmadophilaceae*

Whiteworm Lichen- 2 are common in AK, appear very similar, but UV light test easily separate. *T. subuliformis* appears phosphorescent vs *T. vermicularis* no change in UV light. Sales are not allowed in the USA, but it is sold in many countries as a tea to promote good health... "white snow tea used for de-aging. It improves energy production of mitochondria, ATP synthesis, reduces β -galactosidase staining against H₂O₂ damage."

**Hulten Family****Hulten Name****Hulten page****Accepted**

Scientific Name

Common Name

Family

Puccinia monoica

Parasitic Rust Fungus

Pucciniaceae

Parasitic Rust Fungus (*Puccinia monoica*)- the fungus sterilizes the host plant, preventing it from producing true flowers. Instead, it forces the infected plant to grow clusters of leaves into brilliant yellow "pseudoflowers" bearing the fungal spermatogonia. Insects visiting the pseudoflowers transfer spermatia from one host plant to another, in the same way that pollinators transfer pollen between the true flowers of uninfected plants.



Hulten Family

Hulten Name

Hulten page

Accepted

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yes