

A Field Guide to Alpine Plants Near the Summit of Pioneer Peak

This booklet is formatted to fit on a phone and assist with ID of alpine plants near the South Summit of Pioneer Peak (6,398 feet). Parking is at the Pioneer Ridge-Austin Helmers Trailhead on Knik Road, 3.5 miles from the Old Glenn Highway, about 40 miles from Anchorage. Alaska Native Plant Society members have hiked this trail in mid-June for access to an impressive diversity of high alpine flowers and spectacular views.

For a complete checklist of flora and booklet of photos, visit the Alaska Native Plant Society website at <https://aknps.org>.

This booklet is sorted by scientific names consistent with the Flora of AK Project, and a cross-reference to Hulten's 1968 *Flora of Alaska and Neighboring Territories* is provided. All photos and field ID notes are copyrighted to Dennis Ronsse.

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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

*Anemonastrum sibiricum*Narcissus-flowered
Anemone

Ranunculaceae

Narcissus-flowered Anemone (*A. sibirica*)- Flowers large, **many petals**, often blueish underside, **usually more than one per plant**. **Leaves deeply dissected**. Achenes hairless. **Alpine & woods** vs Northern Anemone (*A. parviflora*)- basal leaves dark green, lustrous, glabrous, **3 lobed w/ blunt teeth**. Flowers early, 1 per plant, **5 large white petals** (underside blueish). More alpine. vs *A. multifida*, **Flowers smaller, rosy or lavender underneath. Dry open woods (not as high in the mountains)**.



Hulten Family

Ranunculaceae

Hulten Name

Anemone narcissiflora ssp. *sibiricum**

Hulten page

464

Accepted

no

Scientific Name**Common Name****Family***Anemone parviflora*

Northern Anemone

Ranunculaceae

Northern Anemone (*A. parviflora*)- basal leaves dark green, lustrous, glabrous, **3 lobed w/ blunt teeth**. Flowers early, 1 per plant, **5 large white petals** (underside blueish). More alpine. vs Narcissus-flowered Anemone (*A. sibirica*)- Achenes hairless. Flowers large, **many petals**, often blueish underside, **usually more than one per plant**. Leaves deeply dissected. Alpine & woods vs *A. multifida*- Flowers smaller, rosy or lavender underneath. Dry open woods (not as high in the mountains).

**Hulten Family****Hulten Name****Hulten page****Accepted***Ranunculaceae**Anemone parviflora*

463

yes

Scientific Name

Common Name

Family

Antennaria monocephala monocephala

Cat's Paw

Asteraceae

Cat's Paw- **Flowers white, in a single head.** Mat forming w/ stolons. Basal leaves spoon-shaped, **greener, less hairy than most others in this genus.**



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Antennaria monocephala monocephala

874

yes

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

Common Name

Family

Arnica frigida

Frigid Arnica

Asteraceae

Frigid Arnica- **Mid-stem leaves narrow & short stalked. Heads nodding when young. involucre bracts often purplish** Dry alpine & aspen mix. vs. *A. ovata*- **Mid-stem leaves broad & longer, prominently petiolated.** Moist meadows, conifer forests, stream banks, late snow-melt areas (rare status in AK, CPNWH 5 in SC AK).



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Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Arnica frigida

917

yes

Scientific Name

Askellia pygmaea

Common Name

Dwarf Alpine Hawk's Beard

Family

Asteraceae

Dwarf Alpine Hawk's Beard (*Askellia pygmaea*)- Low tufted alpine plant. Mostly basal leaves, long stalked, egg to spoon shaped tips, often purplish below, glaucous green above. Flowers yellow.



Hulten Family

Asteraceae

Hulten Name

*Crepis nana**

Hulten page

956

Accepted

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

Common Name

Family

Campanula lasiocarpa

Mountain Harebell

Campanulaceae

Mountain Harebell- **Flowers large, usually single. Leaves mostly basal. Calyx lobes with slender teeth.** vs Common Harebell (*C. rotundifolia*)- **Flowers usually many. Basal leaves usually withered. Calyx lobes entire** vs. One-flowered Harebell (*C. uniflora*) Small alpine plant. **Flowers single, small, narrow. Calyx lobes entire.** Leaves oblong to spatulate, crowded at the base.



Hulten Family

Hulten Name

Hulten page

Accepted

Campanulaceae

Campanula lasiocarpa ssp *lasiocarpa*

847

yes

Scientific Name

Common Name

Family

Cardamine bellidifolia bellidifolia

Alpine Cress

Brassicaceae

Alpine Cress- Tufted, dwarf plant. Lvs long petiolated, ovate. Flrs small white. Siliques linear upright w/ short thick style.. Gravelly places below melting snow, along creeks in mtns.



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Hulten Family

Hulten Name

Hulten page

Accepted

Brassicaceae

Cardamine bellidifolia

512

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.**



Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Cassiope tetragona

725

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

Chamaepericlymenum suecicum**Bunch Berry***Cornaceae*

Dwarf Dogwood (3 species in AK) Leaves: one small pair then a whorl at top. Veins prominent & arched arising from lower part (not base) of midrib. True flowers yellowish to greenish, stamens not longer than styles. Berries are red.

C. suecicum - leaves - 3 pairs (or more) below top, all similar size, all lateral veins originate from (or near) base; hypanthium deep purple, very sparsely appressed hair; petals purplish-black, stamens exceed styles vs. *C. canadense* - leaves - 1 small pair then a whorl or 4-6 at top, lateral veins prominent & arched arising from lower half (not base) of midrib; petals yellowish to greenish, stamens not longer than styles; hypanthium cream, 1–2 mm, densely appressed-hairy; petals cream; sepals cream turning purple as fruit matures vs. *C. unalaschkense* - leaves at proximal 2–4 nodes nonchlorophyllous, opposite, ± scalelike, caducous (rarely chlorophyllous at 3d node from apex but much smaller than more distal leaves); petals cream proximally, purple distally; hypanthium cream to mottled purple, densely hairy; hybrids occur, sometimes large colonies spread by stolons.

**Hulten Family****Hulten Name****Hulten page****Accepted***Cornaceae**Cornus suecica**

708

no

Scientific Name

Common Name

Family

Cherleria biflora

Mountain Stitchwort

Caryophyllaceae

Mountain Stitchwort (*C. biflora*)- **Leaves flat, Flowers 3-5**, Petals only slightly longer than sepals
Capsule 5-6mm vs. Longpod Sandwort- **Petals > 2x longer than sepals. Leaves flat, linear to lance shaped, 3 nerved, margin w/ long cillia. Capsules 10-18mm, >2x length of sepals.** Most common
Sandwort around Anchorage vs Arctic Sandwort- **Flowers single, leaves 3 angled.** Petals slightly
longer than sepals. Capsule 9-10mm.



Hulten Family

Hulten Name

Hulten page

Accepted

Caryophyllaceae

*Minuartia biflora**

431

no

Scientific Name

Common Name

Family

Diapensia obovata

Lapland Diapensia

Diapensiaceae

Lapland Diapensia- Alpine zone, evergreen leaves, crowded in a mat or lump-like cushion. **White flowers on red stalks**, very early flowering. Many Canadian plants are thought to live to over a century or two! vs. Alpine Azalea- Alpine zone, mat or lump-like with **pink flowers (not on stalks)**, mostly on south-facing alpine slopes.



Hulten Family

Hulten Name

Hulten page

Accepted

Primulaceae*

*Diapensia lapponica ssp obovata**

736

no

Scientific Name

Douglasia alaskana

Common Name

Alaska Dwarf Primrose

Family

Primulaceae

Alaska Dwarf Primrose- Flowering stalks short at first, elongating greatly in age, arising from basal rosette, **no primary scape, 1-2 flowers at tips**. Unusual in higher Chugach. vs Northern Jasmine- Early delicate w/ several inconspicuous white / pink flowers from a **long primary scape which branches again**, common in rocks along Turnagain Arm.



Hulten Family

Primulaceae

Hulten Name

*Androsace alaskana**

Hulten page

746

Accepted

no

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

Scientific Name**Common Name****Family*****Draba ruaxes*****Coast Mountain Draba*****Brassicaceae***

D. ruaxes & *D. incerta*- Both have yellow petals; Stem leaves 0 (or 1 bract). need magnification of hair on leaves (top and bottom-sides) to separate. *D. incerta*- both leaf surfaces w/ comb-like hairs. tops sometimes glabrous. lower surface sometimes also has 4-6 rayed trichomes vs. *D. ruaxes*- upper leaf surface w/ simple & 2 rayed forked hairs. leaf undersides w/ 2-10 rayed stellate trichomes (no comb-like hairs). Both can have ciliate margins w/ simple or forked hairs. Often *D. incerta* leaves are more elongated, but leaf hairs are the most reliable features for ID.

**Hulten Family*****Brassicaceae*****Hulten Name*****Draba ruaxes*****Hulten page****525*****Accepted****yes**

Scientific Name

Draba stenopetala

Common Name

Star-flowered Draba

Family

Brassicaceae

Star-flowered Draba- Very small alpine plant. Flowers w/ distinctive linear yellow (sometimes purple) petals. In Hulten's time considered rare, but now thought to be uncommon, small & inconspicuous.



Hulten Family

Brassicaceae

Hulten Name

Draba stenopetala

Hulten page

531

Accepted

yes

Scientific Name

Common Name

Family

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.**



Hulten Family

Rosaceae

Hulten Name

Dryas octopetala ssp octopetala var octopetala

Hulten page

630

Accepted

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.



Hulten Family

*Empetraceae**

Hulten Name

Empetrum nigrum

Hulten page

716

Accepted

yes

Scientific Name

Common Name

Family

Erigeron denalii

Denali Daisy

Asteraceae

E. denalii & *E. purpuratus*- have at least some leaves 3-forked, or lobed at the tip. *E. denalii*- very small 1-5 cm, leaves spoon shaped 2-5 mm wide, involucral bracts densely hairy, white or purple. Almost always on scree slopes vs *E. purpuratus* taller 3-12 cm. leaves linear to lance shaped 1-3 mm wide. Bracts sparsely hairy or glabrous. Almost always sandy or gravelly alluvium (*E. humilis* & *E. uniflorus* have all entire leaves).



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Erigeron purpuratus ssp *denalii**

863*

no

Scientific Name

Erigeron humilis

Common Name

Arctic Alpine Fleabane

Family

Asteraceae

E. humilis & *E. uniflorus*- Leaves all entire. Bracts very hairy. *E. humilis*- Crosswalls purplish. *E. uniflorus*- Crosswalls clear or sometimes reddish. (*E. denalii* & *E. purpuratus*- some leaf tips lobed).



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Hulten Family

Asteraceae

Hulten Name

Erigeron humilis

Hulten page

864

Accepted

yes

Scientific Name

Eurybia sibirica

Common Name

Siberian Aster

Family

Asteraceae

Siberian Aster (*Eurybia sibirica*)- Inv bracts overlapping, 2 layers, **hairy on back & margins**. leaves **serrulate, hairy underneath**. Alpine plants are dwarf w/ single head. vs. *A. subspicatus* Leaves entire oblanceolate, Inv bracts hairy on margins only.



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Hulten Family

Asteraceae

Hulten Name

*Aster sibiricus**

Hulten page

857

Accepted

no

Scientific Name

Gentiana glauca

Common Name

Glaucous gentian

Family

Gentianaceae

Glaucous Gentian- the only gentian in AK w/ tube of dark blue or greenish connected petals which open with a flare of sunshine.



Hulten Family

Gentianaceae

Hulten Name

Gentiana glauca

Hulten page

757

Accepted

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 gardens.



Hulten Family

Hulten Name

Hulten page

Accepted

Geraniaceae

Geranium erianthum

674

yes

Scientific Name

Common Name

Family

Geum rossii

Ross Avens

Rosaceae

Ross Avens- **Basal leaves dark green pinnately divided.** Flowers w/ 5 rounded petals, and large leafy sepals, clustered at end of 6-8" stems which have a few small modified leaves. Tundra slopes & snow beds. vs Cinquefoils (*Potentilla spp*)- often more rocky habitat & several species have **tri-foliate** leaves.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Geum rossii

627

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

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

Luetkea pectinata

Common Name

Alpine Spiraea

Family

Rosaceae

Alpine Spiraea- sub-alpine, moist slopes. Leaves thin, fern-like, forms large mats. Flowers small 5 petals, cream-white. Also called Partridge-foot because of leaf shape.



Hulten Family

Rosaceae

Hulten Name

Luetkea pectinata

Hulten page

595

Accepted

yes

Scientific Name

Micranthes nelsoniana

Common Name

Nelson's Saxifrage

Family

Saxifragaceae

Nelson's Saxifrage- No stem leaves. Basal leaves **pubescent, long petiolated, blades toothed all around**. Inflorescence dense, calyx lobes often purplish, reflexed. petals white to pinkish. Filaments club-shaped. vs. Red-stemmed Saxifrage- **leaves also w/ long petioles, but toothed only in upper part of leaf**.



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Hulten Family

Saxifragaceae

Hulten Name

*Saxifraga punctata**

Hulten page

572

Accepted

no

Scientific Name

Common Name

Family

Micranthes nivalis

Snow Saxifrage

Saxifragaceae

Snow Saxifrage (*M. nivalis*)- Lower leaf surfaces ± densely, tangled, reddish brown-hairy; petals white (sometimes pink tinged). Inflorescences (5-)10-40-flowered, congested, almost capitate, (3-)7-20 cm. vs Slight Saxifrage- smaller size, leaves glabrous (rarely sparse reddish tangled), fewer flowers (2-10), petals white with purple margins, usually pink or purple tinged, **Flowering pedicels distinct**.



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Hulten Family

Saxifragaceae

Hulten Name

*Saxifraga nivalis**

Hulten page

579

Accepted

no

Scientific Name

Common Name

Family

Micranthes tenuis

Slight Saxifrage

Saxifragaceae

Slight Saxifrage- smaller size, leaves glabrous (rarely sparse reddish tangled hairs), fewer flowers (2-10), petals white with purple margins, usually pink or purple tinged, **Flowering pedicels distinct** vs Snow Saxifrage- Lower leaf surfaces $\pm$ densely, tangled, reddish brown-hairy; petals white (sometimes pink tinged). Inflorescences (5-)10-40-flowered, congested, almost capitate, (3-)7-20 cm.



Hulten Family

Saxifragaceae

Hulten Name

Saxifraga nivalis var *tenuis**

Hulten page

579

Accepted

no

Scientific Name

Common Name

Family

Oxytropis bryophila

Purple Oxytrope

Fabaceae

Purple Oxytrope- Small alpine plant w/ 2-3 flowers / stem, **calyx black hairy**, **petals purplish to blue**, pods oblong to cylindrical. Potentially toxic / poisonous. *Oxytropis* and *Astragalus* can absorb selenium and molybdenum from the soil. If ingested causes staggering, labored breathing and convulsions.



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Hulten Family

Hulten Name

Hulten page

Accepted

Fabaceae

*Oxytropis nigrescens ssp bryophila**

661

no

Scientific Name

Papaver alboroseum

Common Name

Pale Poppy or Portage
Poppy

Family

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

Papaveraceae

Hulten Name

Papaver alboroseum

Hulten page

491

Accepted

yes

Scientific Name

Common Name

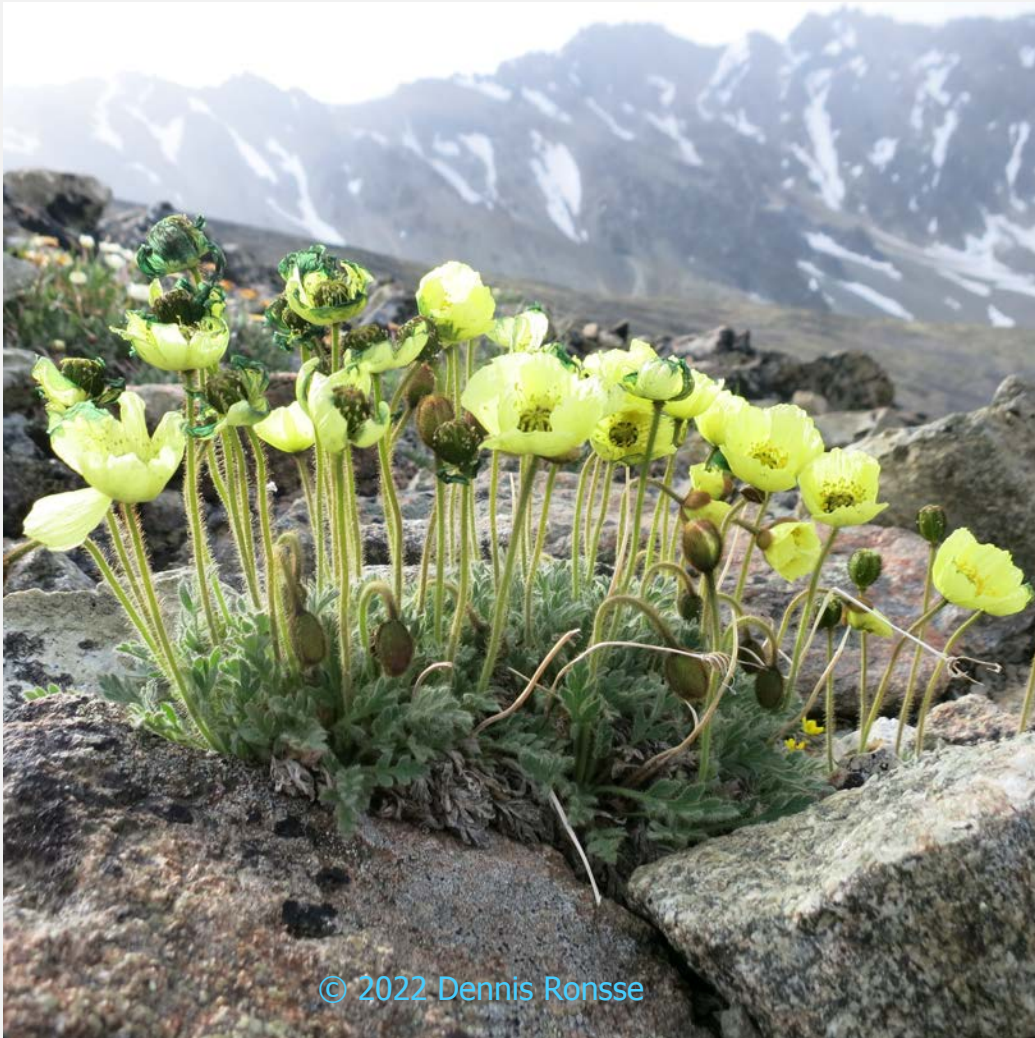
Family

Papaver hultenii

Lapland Poppy

Papaveraceae

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



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Hulten Family

Papaveraceae

Hulten Name

Papaver radicum ssp radicum FNA*

Hulten page

492

Accepted

yes

Scientific Name

Common Name

Family

Papaver kluanensis

Alpine Poppy

Papaveraceae

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



Hulten Family

Hulten Name

Hulten page

Accepted

Papaveraceae

Papaver radicatum ssp. kluanense FNA*

492

no

Scientific Name

Common Name

Family

Pedicularis capitata

Capitate Lousewort

Orobanchaceae

Capitate Lousewort- **Flowers yellow, rather large, few at the top of the stem.** Rocky alpine tundra. Louseworts, 22 in AK, are root parasites of almost any plant they can reach. Favorite hosts are grasses and the pea family (perhaps because pea family plants can fix nitrogen).



Hulten Family

Hulten Name

Hulten page

Accepted

*Scrophulariaceae**

Pedicularis capitata

825

no

Scientific Name

Pedicularis labradorica

Common Name

Labrador Lousewort

Family

Orobanchaceae

Labrador Lousewort- Flowers yellow or reddish (or w/ red spot), small, in leaf axils, on many flower stalks. Bogs, tundra & woods.



Hulten Family

*Scrophulariaceae**

Hulten Name

Pedicularis labradorica

Hulten page

820

Accepted

no

Scientific Name

Common Name

Family

Polemonium villosissimum

Alaska Jacob's Ladder

Polemoniaceae

Alaska Jacob's Ladder- Also called "Sky Pilot", military lingo for a chaplain, a term made famous in Eric Burdon & the Animals' anti-war song. The plant is often seen in skyline profile on high mountain ridge lines.



Hulten Family

Hulten Name

Hulten page

Accepted

Polemoniaceae

*Polemonium boreale var villosissimum**

768

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

Hulten Name

Hulten page

Accepted

Rosaceae

Potentilla uniflora

612

no

Scientific Name

Common Name

Family

Primula cuneifolia saxifragifolia

Pixie Eye Primula

Primulaceae

Pixie-eyed Primula- Tiny plant, usually alpine (or wet meadows). Leaves a rosette, soft fleshy light green, terminally toothed w/ wedge-shaped base. Stem very short. Petals deeply lobed usually bright pink occasionally white.



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Hulten Family

Hulten Name

Hulten page

Accepted

Primulaceae

Primula cuneifolia ssp saxifragifolia

739

yes

Scientific Name

Common Name

Family

Pseudocherleria macrocarpa

Longpod Sandwort

Caryophyllaceae

Longpod Sandwort (*M. macrocarpa*)- **Petals > 2x longer than sepals**. Leaves flat, linear to lance shaped, 3 nerved, **margin w/ long cilia**. **Capsules 10-18mm, >2x length of sepals** vs. Reddish Sandwort (*M. rubella*)- **Stalks glandular. Leaves small thin linear-subulate w/ 3 nerves** (most easily seen on last year's marscescent remnants). **Sepals pointed**.



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Hulten Family

Hulten Name

Hulten page

Accepted

Caryophyllaceae

*Minuartia macrocarpa**

429

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.



Hulten Family

Hulten Name

Hulten page

Accepted

*Pyrolaceae***Pyrola asarifolia*

711

no

Scientific Name

Ranunculus grayi

Common Name

Arctic-alpine Buttercup

Family

Ranunculaceae

Arctic-alpine Buttercup- Dwarf. Petals about as long as sepals, achene beaks curved. Intermittent wet places, scree slopes vs. *R. pygmaeus* even smaller, achene beaks straight.



Hulten Family

Ranunculaceae

Hulten Name

Ranunculus gelidus ssp *Grayi**

Hulten page

477

Accepted

no

Scientific Name

Common Name

Family

Rhodiola integrifolia integrifolia

Roseroot

Crassulaceae

Roseroot- Stems crowded, heavy w/ glabrous, blue-green, fleshy leaves. Root has rose fragrance. **Petals dark red** vs. *R. rosea* **Petals pale yellow to greenish** (very few collections in AK).



Hulten Family

Hulten Name

Hulten page

Accepted

Crassulaceae

*Sedum rosea ssp integrifolia**

561

no

Scientific Name

Common Name

Family

Rhododendron tomentosum decumbens

Labrador Tea

Ericaceae

Labrador Tea (2 in SC AK)- *R. tomentosum*- leaves smaller, linear, acute tipped. Pedicels bent abruptly just below the capsule. vs. *R. groenlandicum*- leaves oblong, blunt tipped. Pedicels broadly bent, evenly curved. Both have rusty hairs on stem & underside of leaves w/ strong aroma.



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Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

*Ledum palustre ssp decumbens**

717

no

Scientific Name

Salix arctica

Common Name

Arctic Willow

Family

Salicaceae

Arctic Willow (*S. arctica*)- Dwarf alpine shrub. Leaf margins entire usually w/ long hairs "bearded" at tip. Seed capsules very hairy to sparsely. stems not felty, small tan bract at base of each capsule. Catkins long & stout on leafy shoots. Young male catkins red or purple, often used in rock gardens.



Hulten Family

Salicaceae

Hulten Name

Salix arctica

Hulten page

340

Accepted

yes

Scientific Name

Common Name

Family

Salix reticulata

Netleaf Willow

Salicaceae

Netted Willow (*S. reticulata*)- Tundra. Dwarf. Leaves w/ prominent leathery net like veins, glabrous w/ red petioles. An important "tundra greens" food for some Native people of the far north.



Hulten Family

Hulten Name

Hulten page

Accepted

Salicaceae

Salix reticulata

336

yes

Scientific Name

Saxifraga cernua

Common Name

Bulblet Saxifrage

Family

Saxifragaceae

Bulblet Saxifrage- **Leaves smaller than most others continue up the stem.** Flowers white. **Red bulblets (new plants) on the stem.**



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Hulten Family

Saxifragaceae

Hulten Name

Saxifraga cernua

Hulten page

575

Accepted

yes

Scientific Name

Common Name

Family

Saxifraga cespitosa

Tufted Saxifrage

Saxifragaceae

Tufted Saxifrage (*S. cespitosa*)- Small (3-15 cm). Densely tufted (or matted). Basal leaves w/ 3-5 **finger-like lobes, sticky glandular**. Stem leaves small, very few.. Flowers white 1-5 / stem in loose cluster Stony slopes, sandy places. vs. *S. adscendens* (Wedge-leaf Saxifrage)- Very small (2-10 cm). Forms tiny tufts (not mats). Basal leaves wedge-shaped w/ 3 **shallow lobes at the tip**. Flowering stems glandular (often red), several leaves. Petals white.



Hulten Family

Saxifragaceae

Hulten Name

*Saxifraga caespitosa**

Hulten page

583

Accepted

no

Scientific Name

Saxifraga eschscholtzii

Common Name

Ciliate Saxifrage

Family

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.



Hulten Family

Saxifragaceae

Hulten Name

Saxifraga eschscholtzii

Hulten page

566

Accepted

yes

Scientific Name

Common Name

Family

Saxifraga funstonii

Yellow Spotted Saxifrage

Saxifragaceae

Yellow Spotted Saxifrage (*S. bronchialis* ssp *funstonii*)- **Basal leaves in sausage-like clusters, each leaf bristle edged with a sharp tip. Petals white or cream-colored w/ yellow spots.** vs Prickly Saxifrage (*S. tricuspidata*)- **Leaves w/ 3 spine tipped teeth. White flowers w/ lavender spots.**



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Hulten Family

Saxifragaceae

Hulten Name

Saxifraga bronchialis ssp *funstonii**

Hulten page

570

Accepted

no

Scientific Name

Common Name

Family

Saxifraga oppositifolia smalliana

Purple Mountain Saxifrage

Saxifragaceae

Purple Mountain Saxifrage (*Saxifraga oppositifolia ssp smalliana*)- Flowers very early, often calcareous rocks.



Hulten Family

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga oppositifolia ssp smalliana

565

yes

Scientific Name

Saxifraga setigera

Common Name

Spider Saxifrage

Family

Saxifragaceae

Spider Saxifrage- Plant w/ **several long stolons** ending in bud. Basal leaves in dense rosette, **mucronate, ciliate w/ coarse spiny cillia**. Stony places in mountains.



Hulten Family

Saxifragaceae

Hulten Name

Saxifraga flagellaris ssp *setigera**

Hulten page

569

Accepted

no

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

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga tricuspidata

571

yes

Scientific Name

Common Name

Family

Sibbaldia procumbens

Sibbaldia

Rosaceae

Sibbaldia- Basal Leaves ternate, 3 toothed at apex, hairy. Stem short. Flowers crowded, petals 5, minute, yellow, shorter than calyx. Alpine meadows, snow beds, grassland.



Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Sibbaldia procumbens

624

yes

Scientific Name

Common Name

Family

Silene acaulis ssp subacaulescens

Moss Champion

Caryophyllaceae

Moss Champion- Cushions of very small leaves covered w/ pink flowers, usually found in dry rocky high alpine places, but also low elevations on Turnagain Arm.



Hulten Family

Hulten Name

Hulten page

Accepted

Caryophyllaceae

Silene acaulis subacaulescens

440

yes

Scientific Name

Spiraea stevenii

Common Name

Alaska Spiraea

Family

Rosaceae

Alaska Spirea- Shrub, low to mid-size. **Young branches reddish-brown. Corymbs flat-topped, petals white or pinkish.** Woods, alder thickets, tundra bogs, into alpine zone.



Hulten Family

Rosaceae

Hulten Name

*Spiraea beauverdina**

Hulten page

594

Accepted

no

Scientific Name

Stellaria longipes

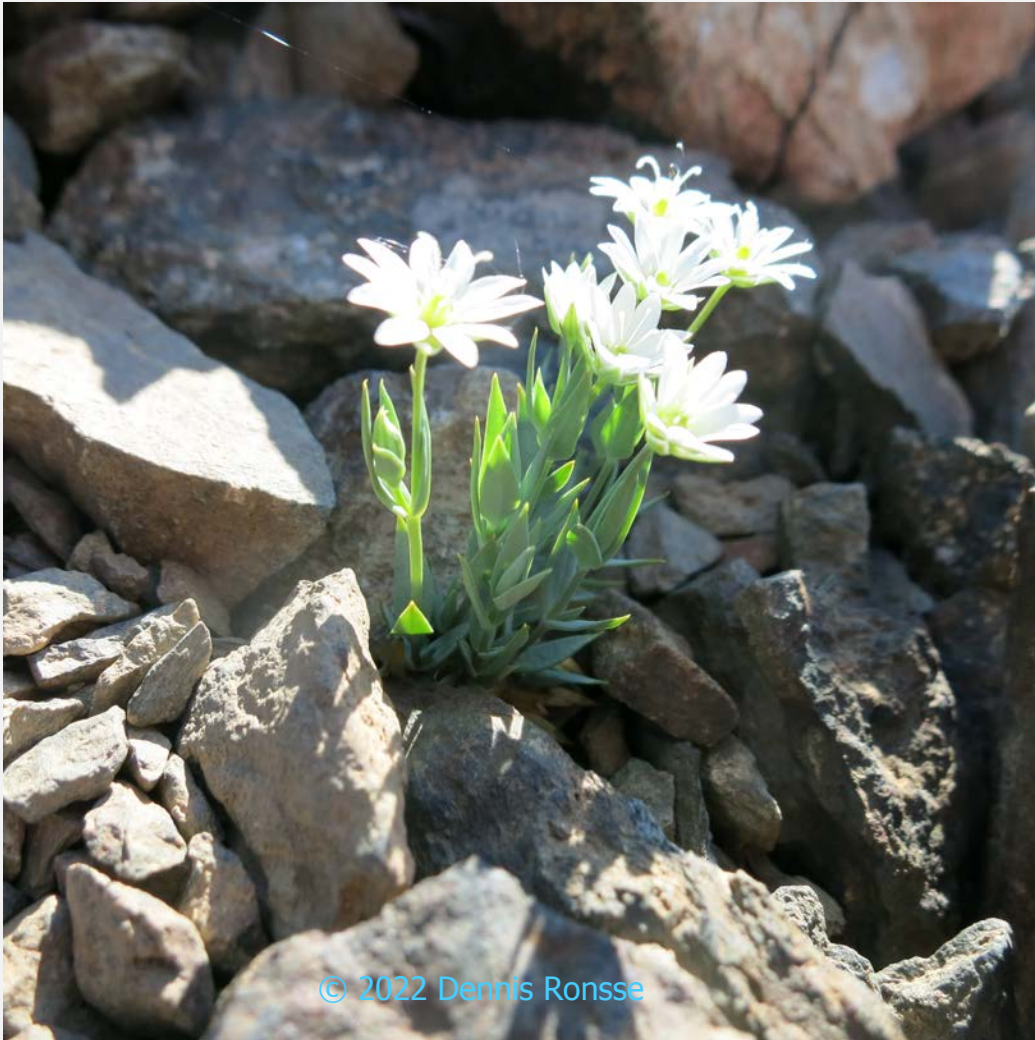
Common Name

Long-stalked Starwort

Family

Caryophyllaceae

Long-stalked Starwort- Leaves unstalked, stiff shinny yellowish-green or blueish-green. Flowers deeply cleft, sepals 3 veined, papery margined. Stony slopes.



Hulten Family

Caryophyllaceae

Hulten Name

*Stellaria longipes**

Hulten page

419

Accepted

no

Scientific Name

Common Name

Family

Taraxacum carneocoloratum

Pink Dandelion

Asteraceae

Pink Dandelion- **Flowers pink to bronzy. Involucral bracts w/o tubercles at tip. High dry gravelly ridges.**



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Taraxacum carneocoloratum

950

yes

Scientific Name

Common Name

Family

Taraxacum ceratophorum

Horned Dandelion

Asteraceae

Horned Dandelion (*T. ceratophorum*)- Woodlands and heaths to tundra. many "microspecies". **At least some inner involucre bracts w/ swollen appendages (tuberacules).** vs. *T. officinale* & *T. alaskanum* **no tubercle.**



Hulten Family

Hulten Name

Hulten page

Accepted

Asteraceae

Taraxacum ceratophorum

945

yes

Scientific Name

Common Name

Family

Vaccinium uliginosum

Bog Blueberry

Ericaceae

Bog Blueberry (*V. uliginosum*)- **Twigs rounded. Plant small, <40 cm tall. Leaf margins entire.**
vs. Dwarf Blueberry Twigs rounded. Plant small, <40 cm tall, **Leaf margins finely toothed.** vs Early
Blueberry & Red Huckleberry- **Twigs angled. Plant large, > 60 cm tall.**



Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Vaccinium uliginosum

734

yes

Scientific Name

Common Name

Family

Vaccinium vitis-idaea

Lingonberry

Ericaceae

Lingonberry- Low growing evergreen shrub. **Leaves evergreen, shiny, hard w/ margins curled, dark spots underneath.** Flowers pinkish at branch tips. Good tasting berries improve with frost (still good in spring).



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Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Vaccinium vitis-idaea

731

yes

Scientific Name

Common Name

Family

Veronica wormskjoldii

Alpine Veronica

Plantaginaceae

Alpine Veronica- Alpine & meadows. 5-8" Tall. Stem non-branching, slightly hairy. Leaves sessile mostly opposite. Flowers lavender-blue, 4 petals.



Hulten Family

Hulten Name

Hulten page

Accepted

*Scrophulariaceae**

Veronica Wormskjoldii

802

yes