

A Field Guide to High Alpine Flora on Trail to Pepper Peak

This booklet is formatted to fit on a phone, and intended to assist ID of wildflowers on the upper part of Pepper Peak (5,450 feet). This is a 4.2 mile hike with 4,524 feet of elevation gain from the parking lot at Eklutna Lake, on the Twin Peaks Trail. It is a well-traveled route but rated somewhat difficult overall. Pepper Peak is botanically interesting as is just high enough to access less commonly seen flora of the higher Chugach on a well-established trail.

To keep it manageable for a phone, this field guide is for the high alpine flora, and does not include all 455-plus species found near Eklutna. A more complete checklist is available at the Alaska Native Plant Society website: <https://aknps.org>.

This booklet is sorted by scientific names consistent with the 2020 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.

References:

Cody, WJ. 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

Artemisia frigida

Fringed Sage

Asteraceae

Fringed Sage (*A. frigida*)- **Strongly aromatic, Silvery mats or mounds, basal & stem leaves similar, divided into 3's, silvery-silky-hairy, fine segments, ultimate segment fine linear** vs. Forked Wormwood (*A. furcata*)- **Faintly aromatic. Caespitose (not matted), stem leaves reduced. Bracts long, linear, entire.**



Hulten Family

Asteraceae

Hulten Name

Artemisia frigida

Hulten page

904

Accepted

yes

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. Leaves long petiolated, ovate. Flrs small white. Siliques linear upright w/ short thick style. Gravelly places below melting snow, along creeks in mountains.



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Hulten Family

Hulten Name

Hulten page

Accepted

Brassicaceae

Cardamine bellidifolia

512

yes

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

Cerastium beeringianum beeringianum

Bering Chickweed

Caryophyllaceae

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



Hulten Family

Caryophyllaceae

Hulten Name

Cerastium beeringianum

Hulten page

421

Accepted

yes

Scientific Name

Chamaenerion latifolium

Common Name

River Beauty

Family

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

Onagraceae

Hulten Name

*Epilobium latifolium**

Hulten page

687

Accepted

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

Cherleria obtusiloba

Common Name

Alpine Sandwort

Family

Caryophyllaceae

Alpine Sandwort leaves not ciliated, rounded spruceneedle-like. Flowers 1 per stalk, Petals rather short (5mm). Stems very glandular. vs other sandworts w/ larger flowers and more per stalk, or leaves w/ cilia.



Hulten Family

Caryophyllaceae

Hulten Name

*Minuartia obtusiloba**

Hulten page

430

Accepted

no

Scientific Name

Claytonia sarmentosa

Common Name

Creeping Spring Beauty

Family

Montiaceae

Creeping Spring Beauty- **Basal leaves 1-2 cm wide**, obovate or spatulate, petioled. Stem leaves 2 opposite sessile, broadly ovate, somewhat acute. **Flowers in clusters of 3-8, pink w/ darker veins and yellow blotch. Moist to wet stream banks, rocky slopes, mossy seepage.**



Hulten Family

Portulacaceae*

Hulten Name

Claytonia sarmentosa

Hulten page

408

Accepted

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

Common Name

Family

Douglasia alaskana

Alaska Dwarf Primrose

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

Hulten Name

Hulten page

Accepted

Primulaceae

*Androsace alaskana**

746

no

Scientific Name

Draba cana

Common Name

Hoary Draba

Family

Brassicaceae

Hoary Draba- **Petals white. Stem leaves 3-10 (17), (not overlapping). Plant loosely tufted. Silicles hairy. Petals 2.5-4 mm long.** vs *D. borealis* very similar but **has larger petals. Silicles sparsely hairy.**



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Hulten Family

Brassicaceae

Hulten Name

*Draba lanceolata**

Hulten page

536

Accepted

no

Scientific Name

Draba glabella

Common Name

Smooth Draba

Family

Brassicaceae

Draba glabella- **Petals white. Stem leaves 2-17(-25), mostly toothed;** sessile; blade ovate to oblong, margins dentate to subentire (CPNWH Upper Snowhawk) vs. *D. juvenilis* has fewer stem leaves, 0-3.



Hulten Family

Brassicaceae

Hulten Name

*Draba hirta**

Hulten page

532

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.



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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

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).



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.



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

Gentianella propinqua propinqua

Four-parted Gentian

Gentianaceae

Four-parted Gentian (*Gentianella propinqua* ssp. *propinqua*)- Flowers at stem tip & also on shorter slender basal shoots. **flowers lack beard of hairs inside.** vs Northern Gentian (*G. amarella*)- Basal leaves in a rosette, spoon shaped to elliptic, flowers **4 petaled, stalked from leaf axils and atop stem have a beard of hair inside.** Topmost flower usually the largest. Calyx also 4 lobed, and stem is square.



Hulten Family

Gentianaceae

Hulten Name

Gentiana propinqua ssp. *propinqua*

Hulten page

760

Accepted

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

Harrimanella stelleriana

Common Name

Moss Heather

Family

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

Ericaceae

Hulten Name

*Cassiope stelleriana**

Hulten page

726

Accepted

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

Common Name

Family

Micranthes lyallii hultenii

Red-stemmed Saxifrage

Saxifragaceae

Red-stemmed Saxifrage- Leaf stalks about as long as blades, merely narrowing at base, toothed only at tip. Filaments club-shaped. vs Fan-leaf Saxifrage (*M.calycina*)- branches of inflorescence hairy. Leaves w/ more than 7 teeth. Filaments linear. Capsules purple to black (not greenish).



Hulten Family

Hulten Name

Hulten page

Accepted

Saxifragaceae

*Saxifraga Lyallii hultenii**

578

no

Scientific Name

Common Name

Family

Micranthes nelsoniana

Nelson's Saxifrage

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**.



Hulten Family

Saxifragaceae

Hulten Name

*Saxifraga nivalis**

Hulten page

579

Accepted

no

Scientific Name

Micranthes tenuis

Common Name

Slight Saxifrage

Family

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.



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Hulten Family

Saxifragaceae

Hulten Name

Saxifraga nivalis var *tenuis**

Hulten page

579

Accepted

no

Scientific Name

Noccaea arctica

Common Name

Arctic Pennycress

Family

Brassicaceae

Arctic Pennycress- Stem leaves not sagittate. Silicles clavate, small. Dry tundra ridges.



Hulten Family

Brassicaceae

Hulten Name

*Thlaspi arcticum**

Hulten page

498

Accepted

no

Scientific Name

Common Name

Family

Oxytropis maydelliana

Maydell's Locoweed

Fabaceae

Maydell's Oxytrope- **Rusty colored stipules at the base of the stem** vs. vs Field Oxytrope- **tan colored stipules** at the base of the stem.



Hulten Family

Hulten Name

Hulten page

Accepted

Fabaceae

Oxytropis Maydelliana

658

yes

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

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.



Hulten Family

Hulten Name

Hulten page

Accepted

Papaveraceae

Papaver radicum ssp radicum FNA*

492

yes

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

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).



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Hulten Family

Hulten Name

Hulten page

Accepted

Rosaceae

Potentilla villosula

611*

yes

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

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.



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Hulten Family

Ranunculaceae

Hulten Name

*Ranunculus gelidus ssp Grayi**

Hulten page

477

Accepted

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.



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Hulten Family

Salicaceae

Hulten Name

Salix arctica

Hulten page

340

Accepted

yes

Scientific Name

Salix phlebophylla

Common Name

Skeleton-leaf Willow

Family

Salicaceae

Skeleton-leaf Willow- densely matted dwarf w/ many old skeletonized leaves, and leaves w/ 3-5 pairs of veins vs. *S. rotundifolia* Leaves shiny on both surfaces, and leaves w/ 2-3 pairs of veins.



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Hulten Family

Salicaceae

Hulten Name

Salix phlebophylla

Hulten page

338

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 peoples of the far north.



Hulten Family

Hulten Name

Hulten page

Accepted

Salicaceae

Salix reticulata

336

yes

Scientific Name

Common Name

Family

Salix rotundifolia rotundifolia

Least Willow

Salicaceae

Least Willow- Densely matted alpine 2.5 cm tall. **Leaves shiny on both surfaces, and leaves w/ 2-3 pairs of veins. Capsules glabrous.**



Hulten Family

Hulten Name

Hulten page

Accepted

Salicaceae

Salix rotundifolia

339

yes

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

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga bronchialis ssp *funstonii**

570

no

Scientific Name

Saxifraga hyperborea

Common Name

Pygmy Saxifrage

Family

Saxifragaceae

Pygmy Saxifrage (*S. hyperborea*)- usually smaller (2-5 cm) and reddish (sometimes green), with usually three- to five-lobed leaves and petals about one and one-half times longer than sepals vs. *S. rivularis*- taller (5-10 cm) and usually green (although sometimes reddish, particularly in the western var. *arctolitoralis*), with usually five-lobed leaves and petals two to three times longer than sepals.



Hulten Family

Saxifragaceae

Hulten Name

Saxifraga rivularis var. *flexuosa**

Hulten page

577

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

Common Name

Family

Saxifraga serpyllifolia

Thyme-leafed Saxifrage

Saxifragaceae

Thyme-leafed Saxifrage- Basal leaves shiny, fleshy, spatulate, blunt, entire, glabrous w/ reflexed margins. Petals bright yellow, twice as long as calyx lobes or longer. Rock slides, dry places in mountains.



Hulten Family

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga serpyllifolia

567

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.



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Hulten Family

Hulten Name

Hulten page

Accepted

Saxifragaceae

Saxifraga tricuspidata

571

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

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.



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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

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).



Hulten Family

Hulten Name

Hulten page

Accepted

Ericaceae

Vaccinium vitis-idaea

731

yes

Scientific Name

Common Name

Family

Valeriana capitata

Capitate Valerian

Valerianaceae

Capitate Valerian (*V. capitata*)- smaller (5-10") upper stem leaves sessile, simple or 3-lobed. Bractlets glabrous or pubescent only at base. Buds maroon, turning pink, then white in bloom vs. Sitka Valerian (*V. sitchensis*)- larger (18-24"), upper stem leaves petiolated 3-5 foliated. Bractlets ciliate. buds Pink-white, turning white in bloom.



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Hulten Family

Hulten Name

Hulten page

Accepted

Valerianaceae

Valeriana capitata

845

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