

Rubus in Interior Alaska

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Systematic Botany Key Project

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Family: Rosaceae

- ❖ Characteristics of Rosaceae:
 - Flowers with a hypanthium (floral cup)
 - Various ovary arrangement and number, usually numerous stamen
 - Stipulate leaves, usually pinnately compound
 - Herbs and shrubs

Characteristics of *Rubus*

- Stipulate leaves that are 3-lobed or 3- or 5-foliate
- Multiple distinct carpels and numerous stamen
- Fruit is an aggregate of drupelets, yellow to red to dark purple in color depending on species/subspecies

Key

Note: This key only addresses species and subspecies that are likely to be found in interior Alaska, from the ranges of each pictured in Hulten.

- A. Plant low-growing, mostly herbaceous
 - B. Flowers unisexual, dioecious.....***Rubus chamaemorus***
 - B. Flowers bisexual, monoecious; plant has 3-foliate or 3-lobed leaves; flowers pink; fruit red to dark purple globular aggregate of drupelets.....***Rubus arcticus***
- A. Plant is a shrub, woody, 0.5-2 meters tall.....***Rubus idaeus***

Rubus chamaemorus

- Plant low-growing,
mostly herbaceous
- Flowers unisexual,
dioecious; dwarf pistils
on staminate flowers
and dwarf stamen on
pistillate flowers; petals
white



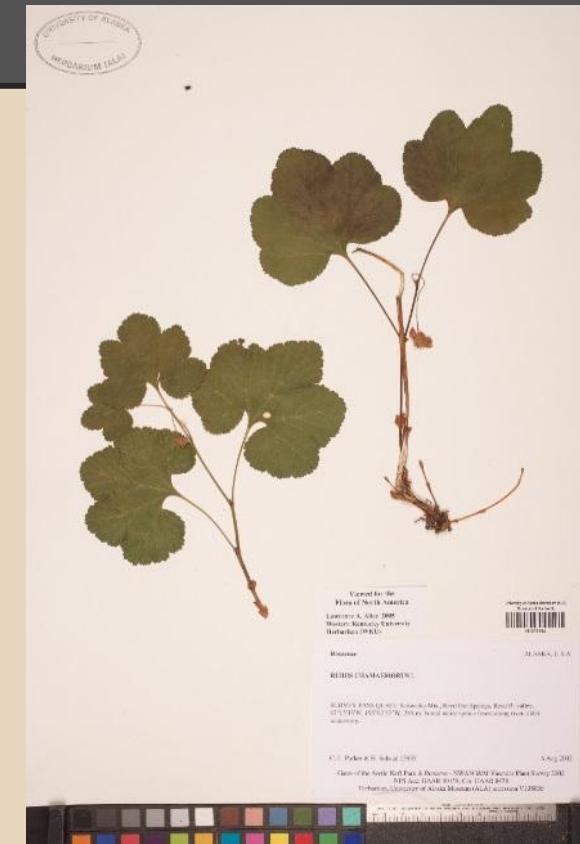
ALA V96516

Rubus chamaemorus

- Leaves 5-lobed with serrate margin; round or reniform
- Fruit an aggregate of drupelets, yellow in color



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ALA V138035

Rubus arcticus

- Plant low-growing, mostly herbaceous
- Flowers bisexual, monoecious; pink in color, petals obovate to cuneate-obovate; solitary to three



ALA V145602



ALA V153505

Rubus arcticus

- 3-lobed or 3-foliate leaves; leaflets of 3-foliate leaves lance-ovate to widely ovate or rhombic; 3-lobed leaves round to reniform
- Fruit is an aggregate of drupelets, globular, dark purple to red



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ALA 97345

Rubus ideaus ssp. *melanolasius*

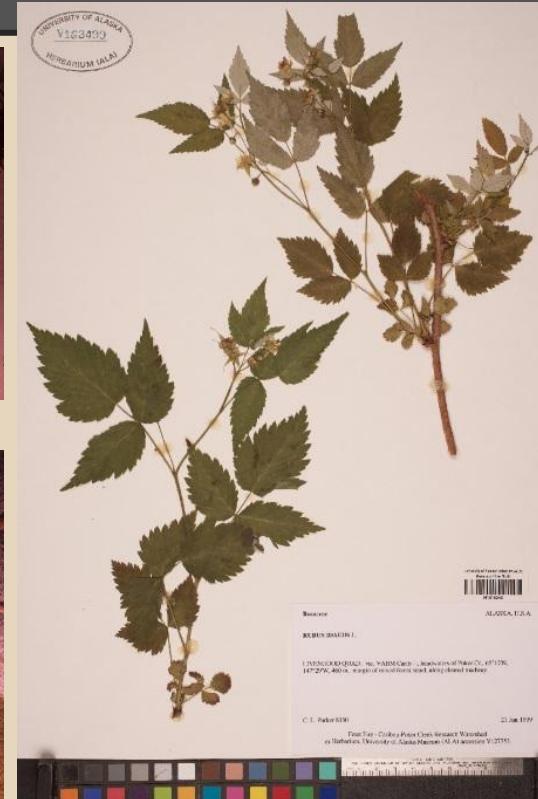
- Shrub, woody with prickles, 0.5-2 meters tall
- 3- or 5-foliate leaves, leaflets oblong-ovate, serrate margin
- Bisexual flowers, many carpels and numerous stamen



ALA V174494



ALA V161678



ALA V163499

Rubus ideaus ssp. *melanolasius*

- Inflorescence in axils with 1-4 flowers, white in color
- Fruit is an aggregate of drupelets, red



ALA 77410



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Literature Cited

Cody, W. J. 2000. *Flora of the Yukon Territory*, ed. 2. Ottawa.

Hulten, E. 1968. *Flora of Alaska and Neighboring Territories*, Stanford.

Rubus chamaemorus

"Hjortron". Licensed under CC BY-SA 3.0 via Wikimedia Commons - <http://commons.wikimedia.org/wiki/File:Hjortron.png#/media/File:Hjortron.png>

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ALA 91229

ALA V96516

ALA V138035

Literature Cited

Rubus arcticus

Rubus arcticus photo by Anneli Salo on wikipedia commons. http://commons.wikimedia.org/wiki/File:Rubus_arcticus_V08_Mesimarja_H3987_C.jpg

ALA V145602

ALA V153505

ALA 97345

Literature Cited

Rubus ideaus

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ALA V161678

ALA V174494

ALA 7710

ALA V163499