

# *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-foliolate
- 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 91229



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-foliolate leaves; leaflets of 3-foliolate leaves lance-ovate to widely ovate 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*

- 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

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ALA 91229

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# Literature Cited

## Rubus arcticus

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ALA V145602

ALA V153505

ALA 97345

# Literature Cited

## Rubus ideaus

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ALA V161678

ALA V174494

ALA 7710

ALA V163499