

The Distinction



Rubus spectabilis
(slamonberry)

Vs.

Rubus chamaemorus
(cloudberry)

This work of art was
created by Josh Cohen



http://goodnight.corral.tacc.utexas.edu/UAF/2008_10_01/jpegs/H1236458.jpg

http://goodnight.corral.tacc.utexas.edu/UAF/2008_10_01/jpegs/H1236223.jpg

Rosaceae as a Family

- Leaves are stipulate and alternate
- Flowers are perfect and actinomorphic
- Most floral whorls come in multiples of 5
- A hypanthium is present
- Fruits can be achenes, drupes, pomes, and aggregates.

Taxonomy

Kingdom-----Plantae-----Plants

Subkingdom-----Tracheobionta-----Vascular Plants

Superdivision-----Spermatophyta-----Seed Plants

Division-----Magnoliophyta-----Flowering Plants

Class-----Magnoliopsida-----Dicotyledons

Subclass-----Rosidae

Order-----Rosales

Family-----Rosaceae-----Rose

Genus-----Rubus L.-----Blackberry

Species-----

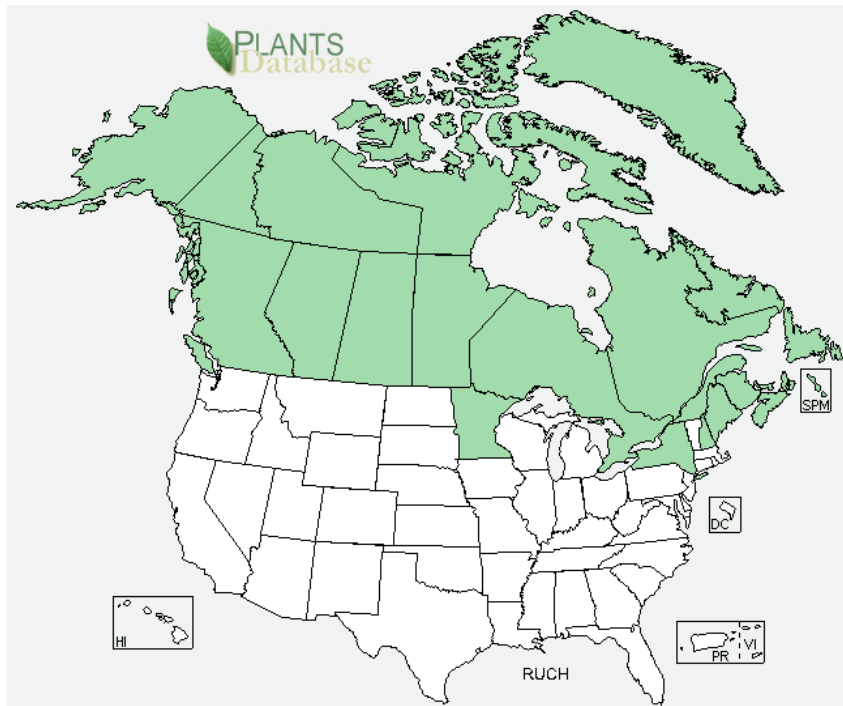
spectabilis

or

chamaemorus

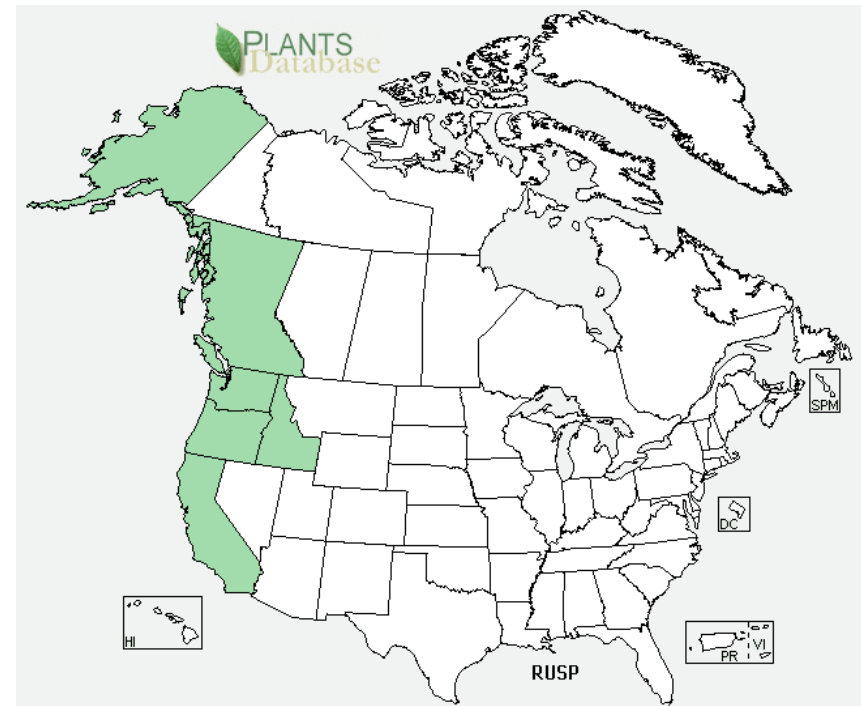
Where the Wild Plants Live

- *Rubus spectabilis*



[http://plants.usda.gov/java/profile?
symbol=RUCH](http://plants.usda.gov/java/profile?symbol=RUCH)

- *Rubus chamaemorus*



<http://plants.usda.gov/java/nameSearch>

Key to Identification

1. Leaves compound

2. Leaf margin lobulate-serrate---*Rubus spectabilis*

2. Leaf margin serrate-----*Rubus idaeus*

1. Leaves simple

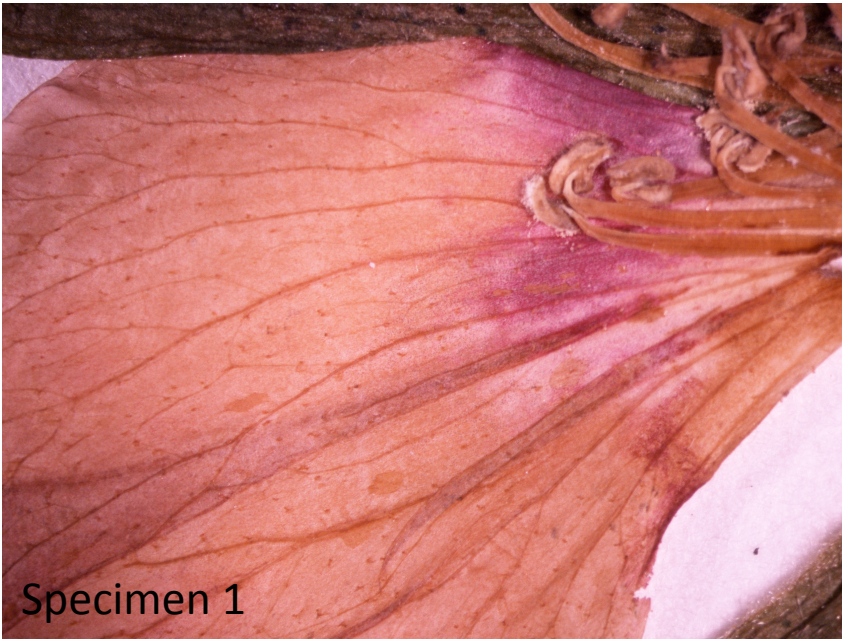
3. Leaves round-reniform-----*Rubus
chamaemorus*

3. Leaves palmately lobed-----*Rubus odoratus*

Inflorescence

Rubus spectabilis

- Petals reddish-purple
- Flowers solitary on short, leafy shoots



Rubus chamaemorus

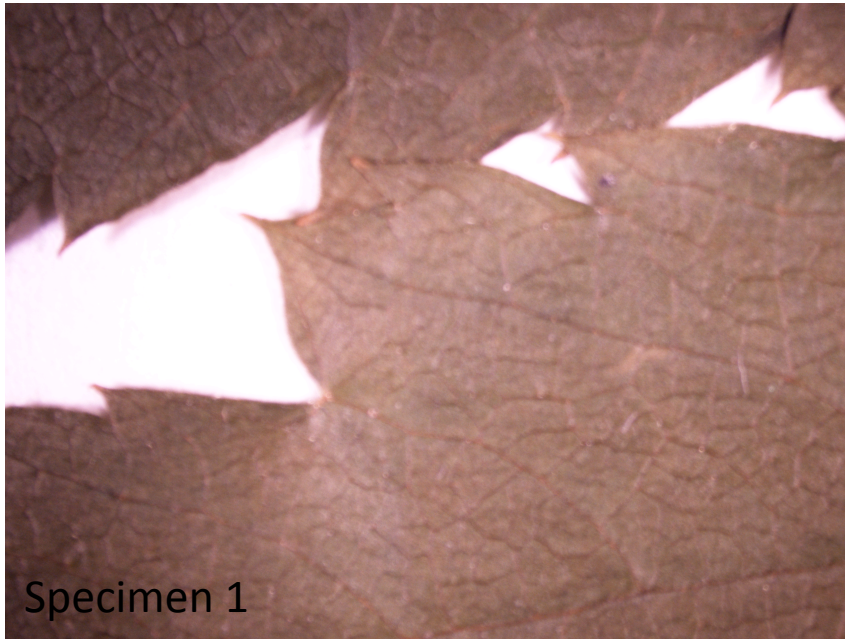
- Petals white
- Flowering stem erect
- Flowers solitary



Leaf Morphology

Rubus spectabilis

- Lobulate-serrate margin



Rubus chamaemorus

- Serrate margin



More Leaf Morphology

Rubus spectabilis

- Leaves mostly 3-foliolate
- Lateral leaflets obliquely ovate



Rubus chamaemorus

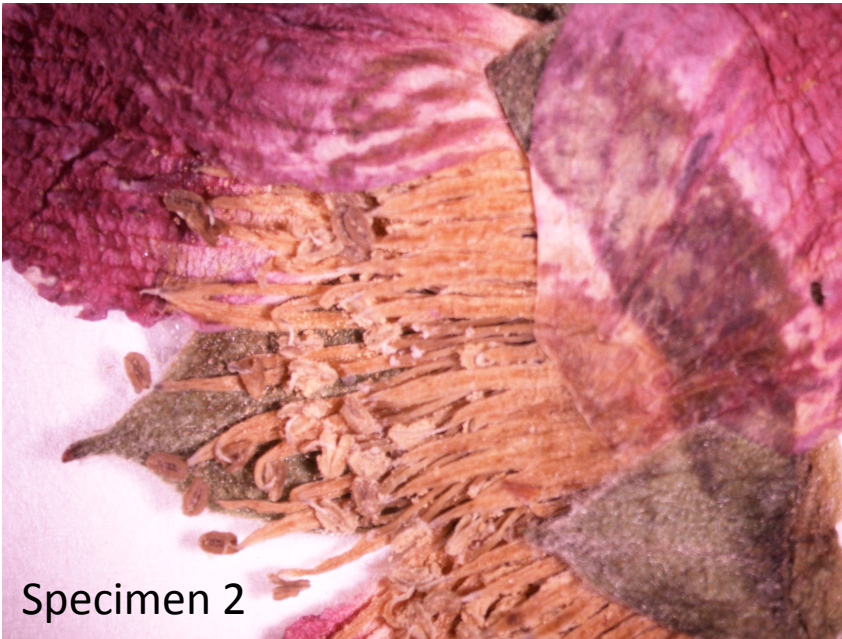
- 5 lobed
- Round-reniform



Sexual Ability

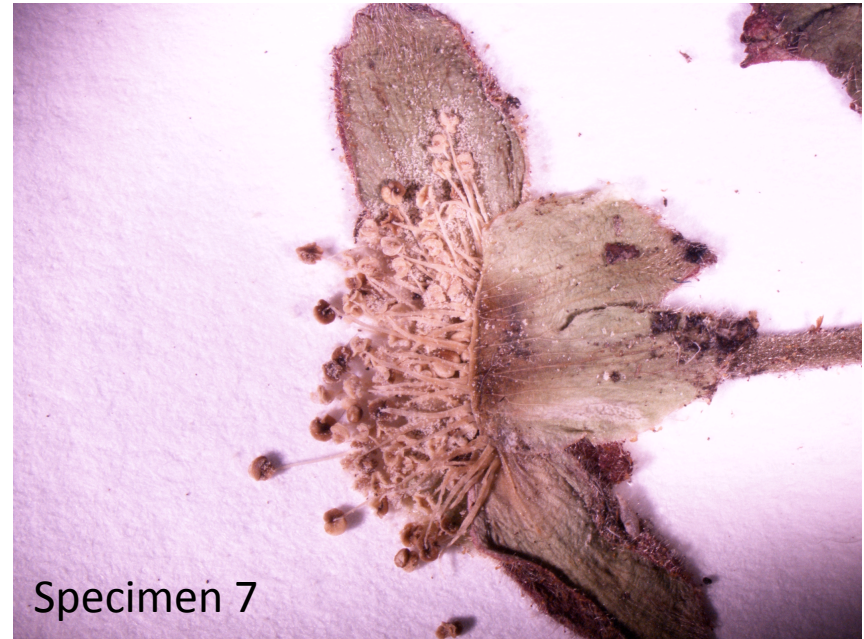
Rubus spectabilis

- Multiple reproductive parts



Rubus chamaemorus

- Multiple reproductive parts



Sheathing

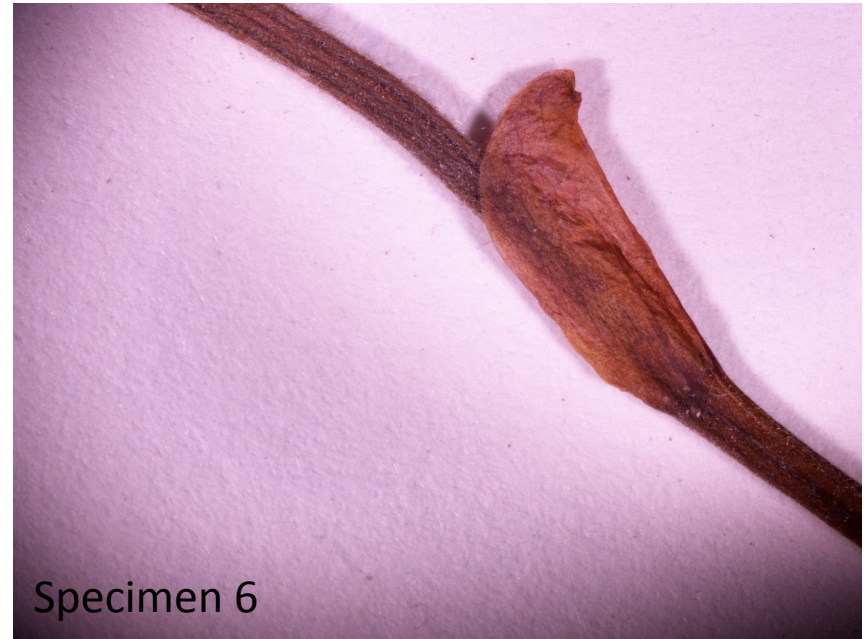
Rubus spectabilis

- Sheathing up the petiole
- Scale-like



Rubus chamaemorus

- Sheathing along the stem
- Leaf-like



Fruit Type

Rubus spectabilis



[http://images.google.com/
imgres?imgurl=http://www.belly-
timber.com/photos/date_parfait2](http://images.google.com/imgres?imgurl=http://www.belly-timber.com/photos/date_parfait2)

Rubus chamaemorus



[http://4.bp.blogspot.com/_Yxxgfqz_cfQ/
RpzLqBCRQOI/AAAAAAAAAJE/
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jamcloudberryjamNAMINAMI.jpg](http://4.bp.blogspot.com/_Yxxgfqz_cfQ/RpzLqBCRQOI/AAAAAAAAAJE/hvYTYu3Q9Y/s400/jamcloudberryjamNAMINAMI.jpg)

Rubus spectabilis

- Compound serrate leaves
- Many stamen
- Inflorescence orange/purple
- Fused calyx
- Fused corolla
- Sheathing up the petiole
- Fine trichomes on leaves
- Fruit is an aggregate



http://goodnight.corral.tacc.utexas.edu/UAF/2008_10_01/jpegs/H1236458.jpg

Rubus chamaemorus

- Serrate palmate leaves
- Sheathing along the stem
- Four merous
- Multiple stamen
- Alternate leaves
- White/yellow inflorescence
- Five sepals
- Fruit is an aggregate



http://goodnight.corral.tacc.utexas.edu/UAF/2008_10_01/jpegs/H1236223.jpg

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Literature Cited

- Specimen 1: C.L. Parker, A.R. Batten, B.A. Bennett, et al. 17 July 2000. 59°23'N, 135°38'W. Western Kentucky University Herbarium. V130388. Rosaceae *Rubus spectabilis*. 06 May 2010.
- Specimen 2: C. Parker. 07 May 1989. 58°18'N, 134°24'W. Western Kentucky University Herbarium. V102808. Rosaceae *Rubus spectabilis*. 06 May 2010.
- Specimen 3: S. S. Talbot. 22 August 2001. 53°27.28'N, 166°52.095'W. University of Alaska Herbarium. V143635. Rosaceae *Rubus spectabilis*. 06 May 2010.
- Specimen 4: E. L. Little, A. S. Harris. July 23, 1972. Roadside, hemlock—Sitka spruce forest Prince of Wales Island. Alt 50ft, Kalawock. Western Kentucky University Herbarium. 26778. Rosaceae *Rubus spectabilis*. 06 May 2010.

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- Specimen 5: C. R. Meyers, K. Hayden. 14 August 1981. 69*59'N, 144*32'W. Western Kentucky University Herbarium. Rosaceae *Rubus chamameorus*. 06 May 2010.
- Specimen 6: C. L. Parker. 04 July 1985. 62*24;N, 158*00'W. Western Kentucky University Herbarium. V81179. Rosaceae *Rubus chamameorus*. 06 May 2010.
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