



*Lupinus:*  
*arcticus and nootkatensis*

# Lupinus

Family Fabaceae

## Characteristics of Lupine

- Palmately compound leaves
- Leaves divided into many leaflets
- Many Zygomorphic Flowers Present on a Spike



61411

## Arcticus and Nootkatensis

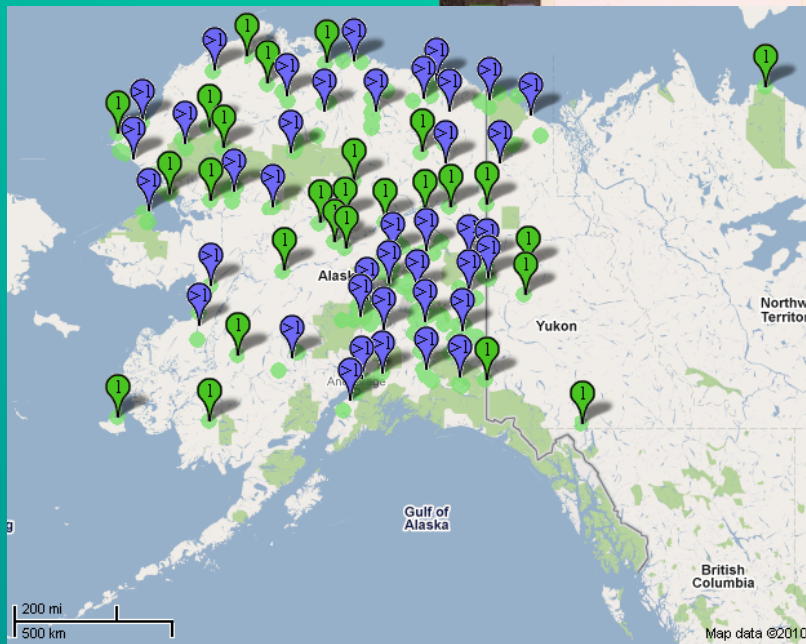
These share many characteristics,  
They vary across their ranges,  
Nootkatensis can hybridize with  
arcticus, and polyphyllus.



86622



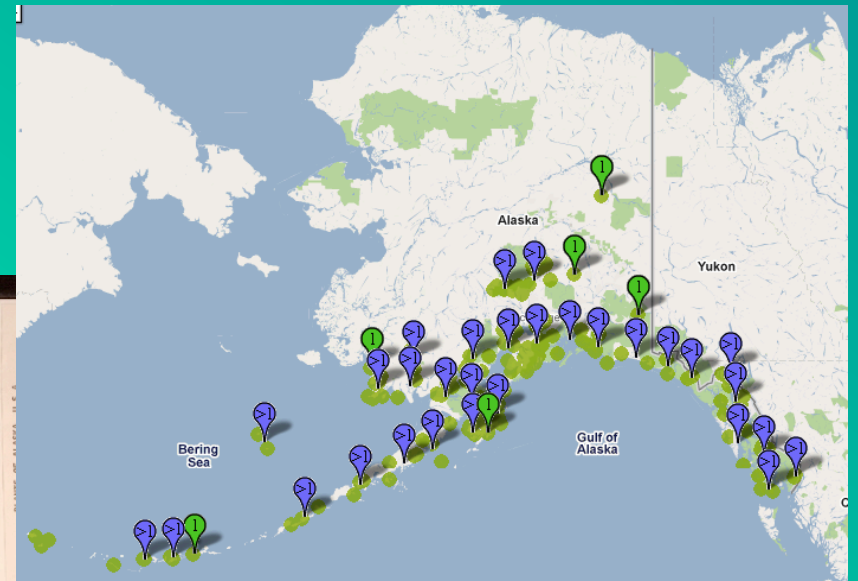
# Lupinus arcticus



V137691



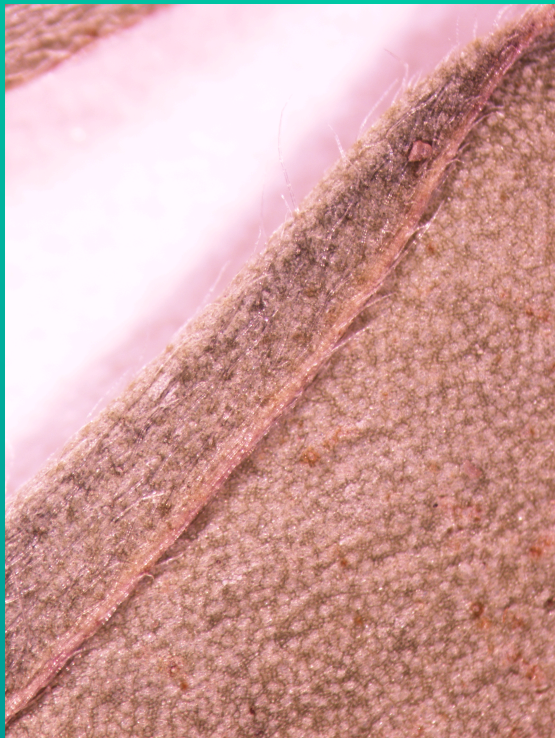
# Lupinus nootkatensis



32748

# Pubescence on Leaflets

Arcticus : glabrous above,  
Strigose-pubescent below.



V137691



V143917

Nootkatensis: above varies  
always pubescent below.

Can be very dense, or  
Very difficult to detect.



V129088



# Leaf Shape

Arcticus: Acute ends of leaflets



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Nootkatensis: blunt ends of leaflets



36307



# Hybrids?



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V073230

# Specimens examined

- *L. arcticus*
- ALAAC 86622
- ALAAC 94328
- ALAAC 94352
- ALAAC V137691
- ALAAC V147029
- ALAAC V134667
- ALAAC 33800
- ALAAC 20251
- ALAAC 33503
- ALAAC 35423
- ALAAC V137691
- *L. nootkatensis*
- ALAAC 33024
- ALAAC 83651
- ALAAC 61411
- ALAAC V073230
- ALAAC 36307
- ALAAC 32748
- ALAAC V13025
- ALAAC V143971
- ALAAC 87589
- ALAAC V073102
- ALAAC V110526
- ALAAC V129088
- ALAAC V143971



A detailed microscopic image of plant tissue, showing a complex network of thin, yellowish-brown fibers and cells. The fibers are intertwined, creating a dense, fibrous structure. The lighting highlights the texture and color variations within the tissue.

# **Any Questions?**

**Research for this project utilized Eric Hulten's *Flora of Alaska and Neighboring Territories*.**

**Alaska distribution maps were taken from Eric Hulten's *Flora of Alaska and Neighboring Territories*.**

**Diagrams of the species were taken from Berkley Mapper.**

**All photos were taken using ALA specimens.**