

Comparison of *Athyrium distentifolium* & *filix-femina*

Shannon Pearce

The slide features a dark grey background with a central horizontal band of light green and white. The green band has a white, wavy, ribbon-like shape in the center. The text 'Shannon Pearce' is centered on the white part of this band. The slide is decorated with stylized green and white flowers, some with dark green centers, and various green circles of different sizes scattered throughout the dark grey areas.

Athyrium distentifolium subsp.
americanum



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Athyrium filix-femina subsp.
cyclosorum



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Classification

FAMILY – *Dryopteridaceae* (Wood Fern)
(*Polypodiaceae* – ARCTOS)

GENUS – *Athyrium* Roth (Lady Fern)

SPECIES – *Athyrium americanum* (Butters)
Maxon alpine ladyfern & *Athyrium*
filix-femina (L.) Roth ssp. *cyclosorum*
(Rupr.) C. Chr. subarctic ladyfern

<http://plants.usda.gov>



Differences

<i>Athyrium distentifolium americanum</i>	<i>Athyrium filix-femina cyclosorum</i>
Leaves tripinnate	Leaves bipinnate
Sori small	Sori large
Indusium rudimentary or lacking	Indusium present



Leaves tripinnate vs binnate

Americanum



Cyclosorum



Sori size

Americanum



Cyclosorum



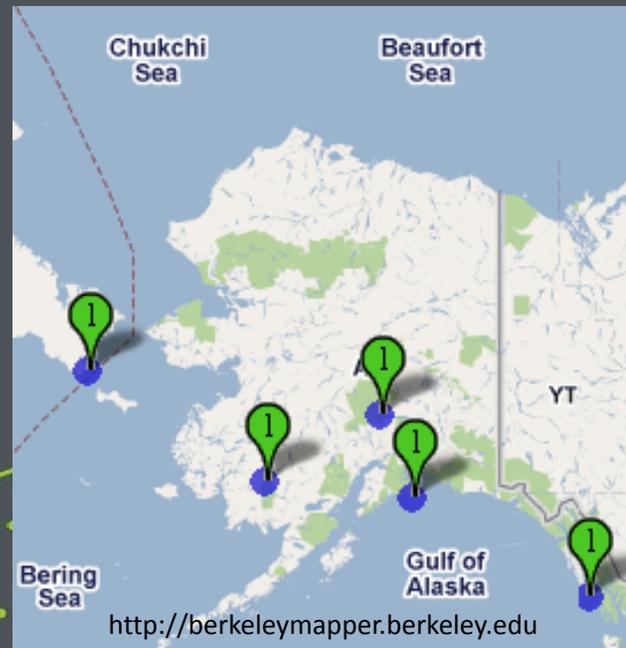
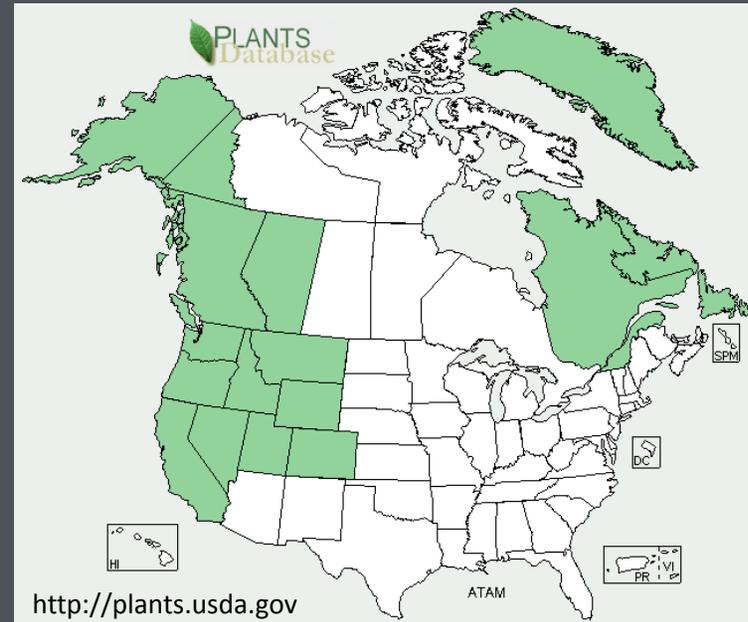
Indusium present vs lacking

Americanum

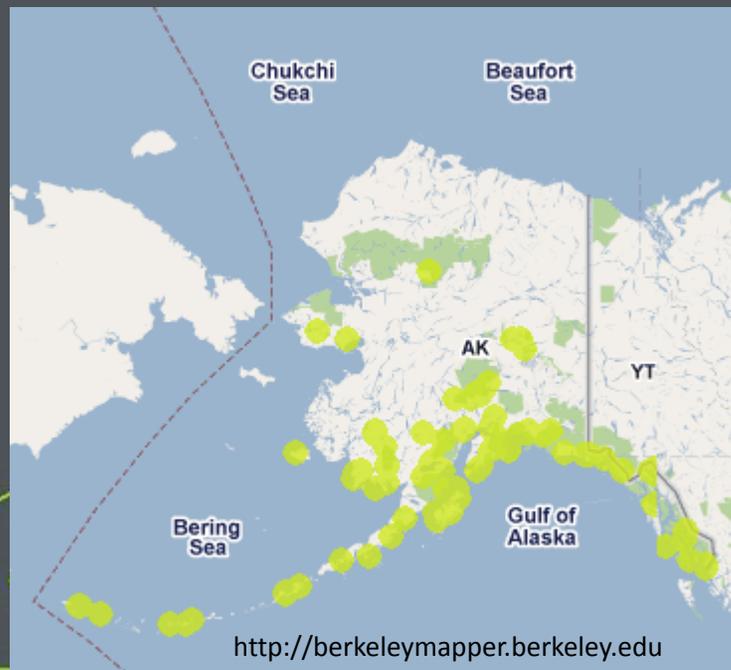
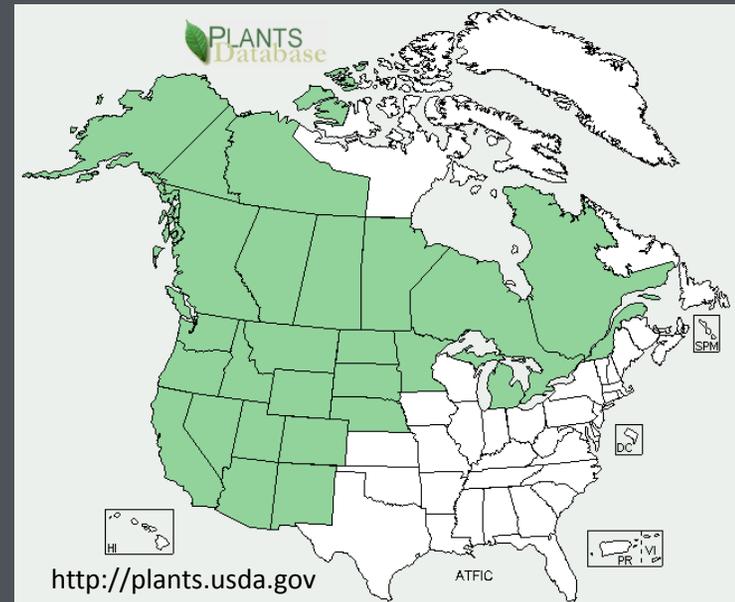
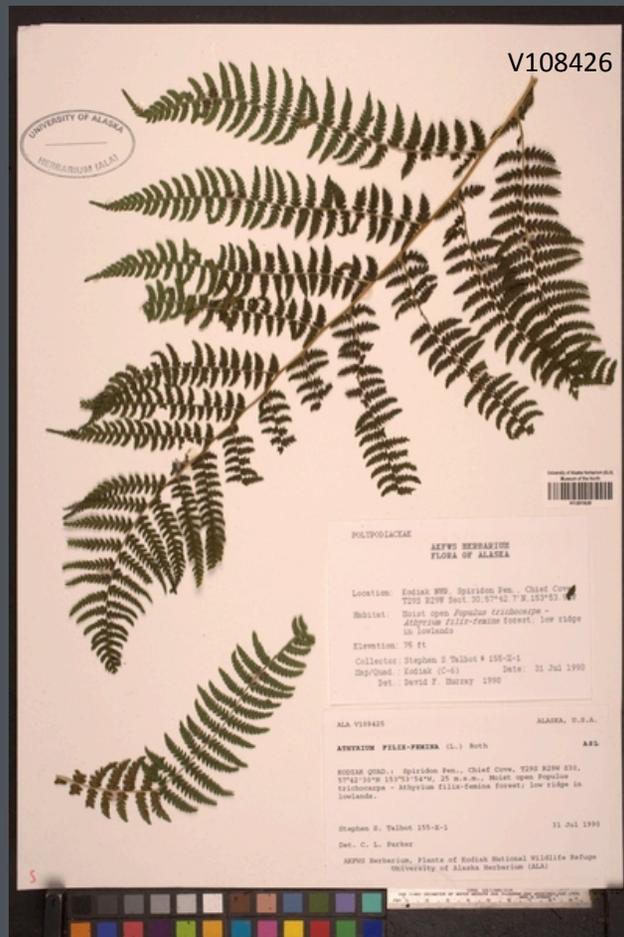
Cyclosorum



Anthyrium americanum



Athyrium filix-femina ssp. *cyclosorum*



Key

KEY TO SPECIES (Hulten)

Athyrium Roth

- Blades more or less tripinnate; sori small, round, indusium rudimentary or lacking.....
.....*A. distentifolium* subsp. *Americanum*
- Blades bipinnate; sori large, about 1 mm in diameter, indusium present.....
.....*A. filix-femina* subsp. *cyclosorum*



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