



TEACHERS AND RESEARCHERS
EXPLORING AND COLLABORATING

Welcome to *PolarConnect*



Shrubs Snow and Nitrogen in the Arctic

With PolarTREC Teacher Svea Anderson
& Team Researcher Dr. Syndonia Bret-Harte

Monday, August 13, 2018

Getting to Know Adobe Connect

Slides will be shown here

Exit presentation

Mute your speakers

Raise your hand

List of all participants

Follow the chat

Find out more about the presentation

Chat here



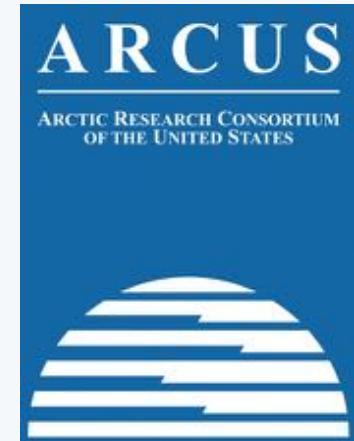
Participant Introductions

**In the Chat box, please introduce yourself
by typing in your:**

- ✓ Name
- ✓ School or Institution
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

- Since 2004, the Arctic Research Consortium of the United States (ARCUS), a non-profit organization, has been administering the PolarTREC Program.
- PolarTREC is professional development for K-12 teachers. They are paired with researchers for 2-6 week research experiences in the polar regions.
- Over 150 teachers from around the United States have joined scientists in the Arctic and Antarctica to learn about science, the polar regions, and to share what they have learned with their students and communities.



25 Years of Connecting Arctic Research
www.arcus.org

Questions

During the Presentation:

- Type your question in the text chat box

At the End of the Presentation, two options:

1. Type your question in the text chat box, or
 2. Raise your hand with the “hand button”.
- PolarTREC staff will call on you and activate your microphone.
 - Speak loud and clear, directly into the computer microphone or the phone to ask your question.

Dr. Syndonia Bret-Harte



Tussock Snowfence Plot



Riparian Snowfence Plot



Photos from the Field



Where is Toolik?



Toolik Field Station



Weather

The First Week...

Brrr... This week...Snowing!



Flora



Fauna



What We Are Doing

- In 2006, Dr. Bret-Harte injected the Tussock Snowfence Plot with ^{15}N
- 2018 Harvest the 48 quadrats
- “Pluck” includes looking at the quadrats and separating the plants by species and then by parts.

Harvesting Quadrats



The Pluck



The Pluck Continues...



Join PolarTREC!

www.polartrec.com/about/join

Everyone can participate in different ways:

- **Follow Expeditions**
- **Participate in PolarConnect Events**
- **Join the Polar Education Email List**
- **Check out the great resources**
- **Become a PolarTREC Teacher or Researcher**
- **Become a member of ARCUS**

Thank You!

An archive of the event will be available shortly.

<http://www.polartrec.com/polar-connect/archive>



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