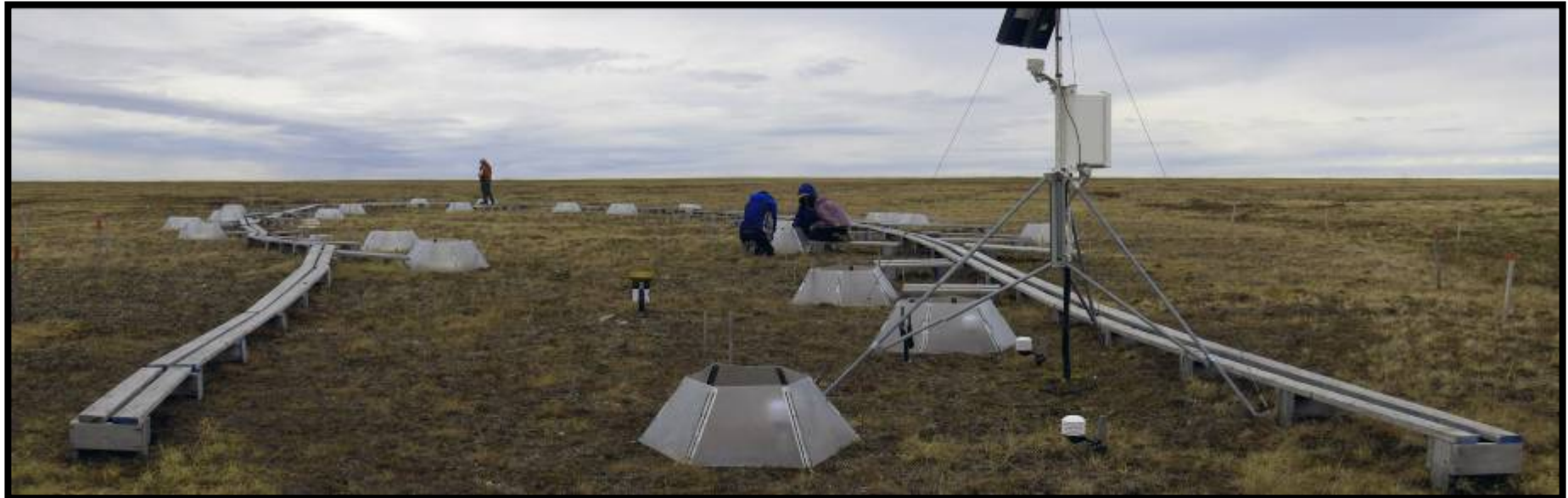
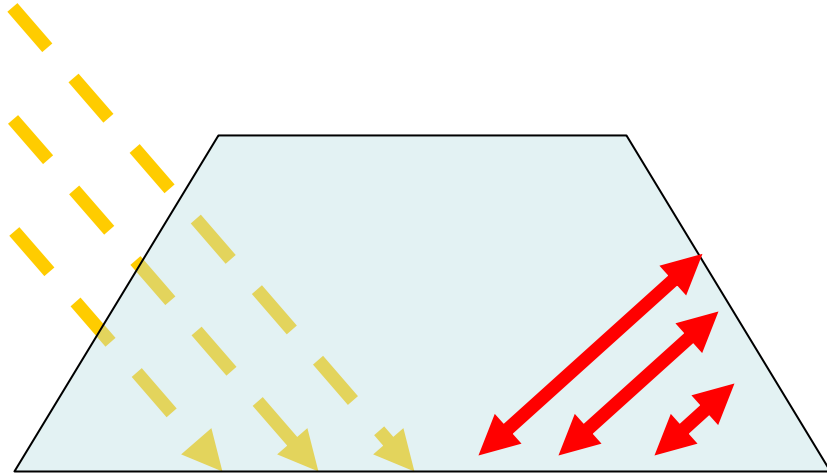


Our Lab's Main Question

How will Arctic plants be effected by Climate Change?



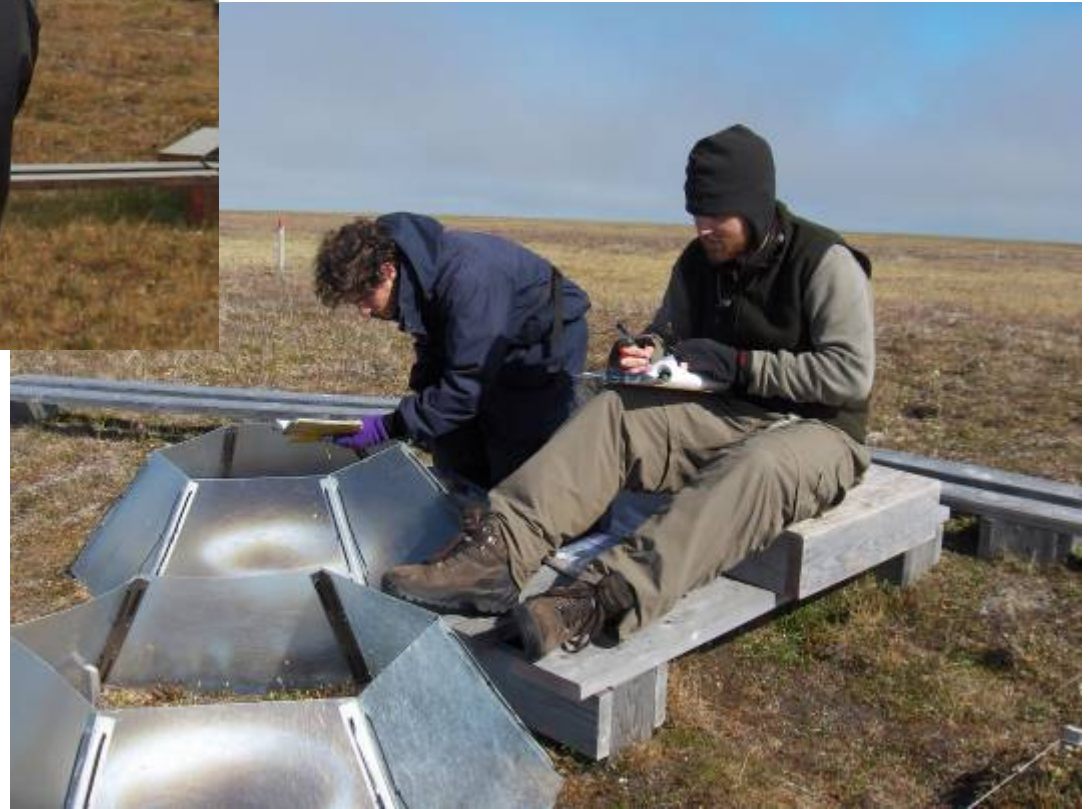
Open Top Chambers





My Job

Gather & Analyze Data
Present Findings



Phenology

- Observe progression of life cycle through time



Growth Measures

- Track heights of leaves
- Track heights of flowers



Flower Counts

- Count number of flowers in each plot



Species:

Cassiope tetragona

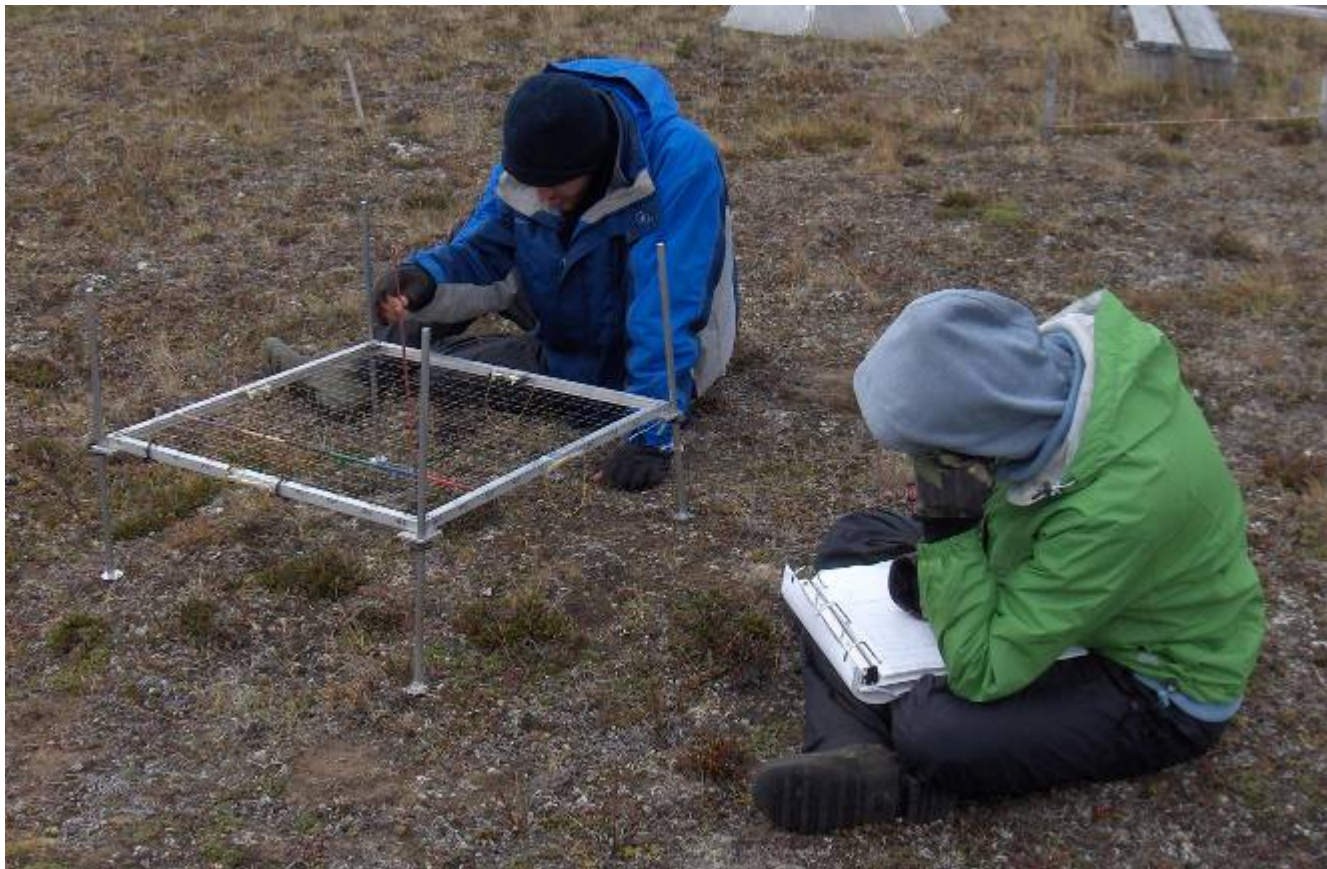
Record Count:

856 flowers in one plot.

Set by Jeremy May on
Julian Day 196 of 2008

Point Framing

- Use 100-point grid to catalogue the species “hit” by a ruler on its way to the ground

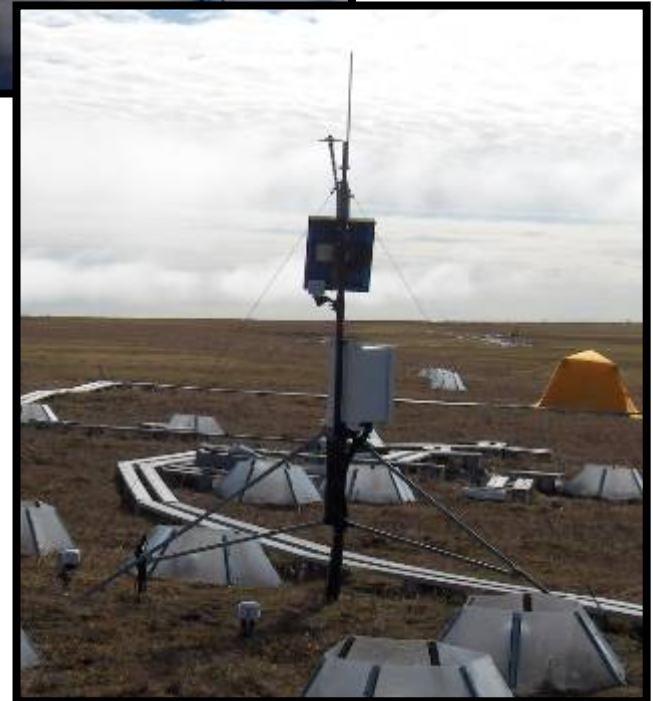


Measurements

- Thaw Depth
(Poke the ground with a stick until you hit hard stuff—that's the permafrost)



- Air and Soil Temperatures
(Store with Data Loggers)



Making Science

Gather Data in Field



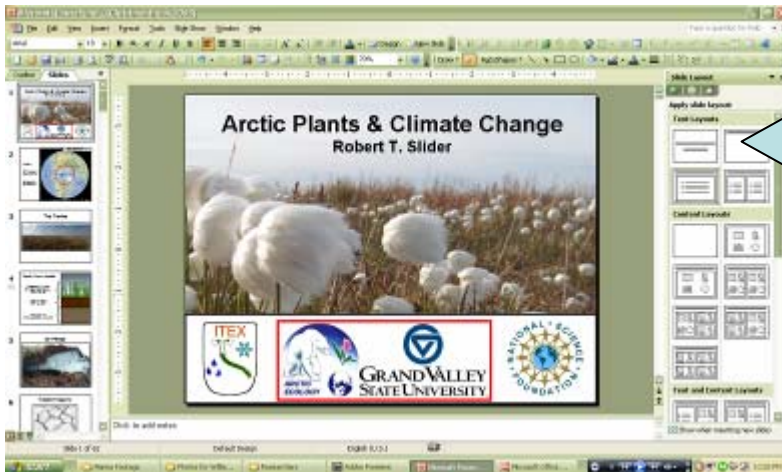
Enter in Databases

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
3	SHRE1	Cardamine pratensis	CRPABTFF	Flwr	0	1	0	0	0	0	0	0	0	0	0	0
4	SHRE1	Cardamine pratensis	CRPABTFF	Frnd	0	1	0	0	0	0	0	0	0	0	0	0
5	SHRE1	Cardamine pratensis	CRPABTFF	Sdbn	0	1	0	0	0	0	0	0	0	0	0	0
6	SHRE1	Cardamine pratensis	CRPABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
7	SHRE1	Carex squarrosiflora	CSQABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
8	SHRE1	Carex squarrosiflora	CSQABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
9	SHRE1	Carex squarrosiflora	CSQABTFF	Sdbn	0	0	0	0	0	0	0	0	0	0	0	0
10	SHRE1	Carex squarrosiflora	CSQABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
11	SHRE1	Carex squarrosiflora	CSQABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
12	SHRE1	Dryopteris Filiformis	DRYABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
13	SHRE1	Dryopteris Filiformis	DRYABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
14	SHRE1	Dryopteris Filiformis	DRYABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
15	SHRE1	Dryopteris Filiformis	DRYABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
16	SHRE1	Dryopteris Filiformis	DRYABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
17	SHRE1	Dryopteris Filiformis	DRYABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
18	SHRE1	Griegochloa trita	GTRABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
19	SHRE1	Griegochloa trita	GTRABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
20	SHRE1	Griegochloa trita	GTRABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
21	SHRE1	Griegochloa trita	GTRABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
22	SHRE1	Griegochloa trita	GTRABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
23	SHRE1	Griegochloa trita	GTRABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
24	SHRE1	Griegochloa trita	GTRABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
25	SHRE1	Griegochloa trita	GTRABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
26	SHRE1	Griegochloa trita	GTRABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
27	SHRE1	Hieracium pilosella	HPLABTFF	Flwr	0	0	0	0	0	0	0	0	0	0	0	0
28	SHRE1	Hieracium pilosella	HPLABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
29	SHRE1	Hieracium pilosella	HPLABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0
30	SHRE1	Hieracium pilosella	HPLABTFF	Frnd	0	0	0	0	0	0	0	0	0	0	0	0
31	SHRE1	Hieracium pilosella	HPLABTFF	Total	0	0	0	0	0	0	0	0	0	0	0	0

Check for Errors



Present Findings!



Questions?



Why be a Researcher?



Nice Landscapes



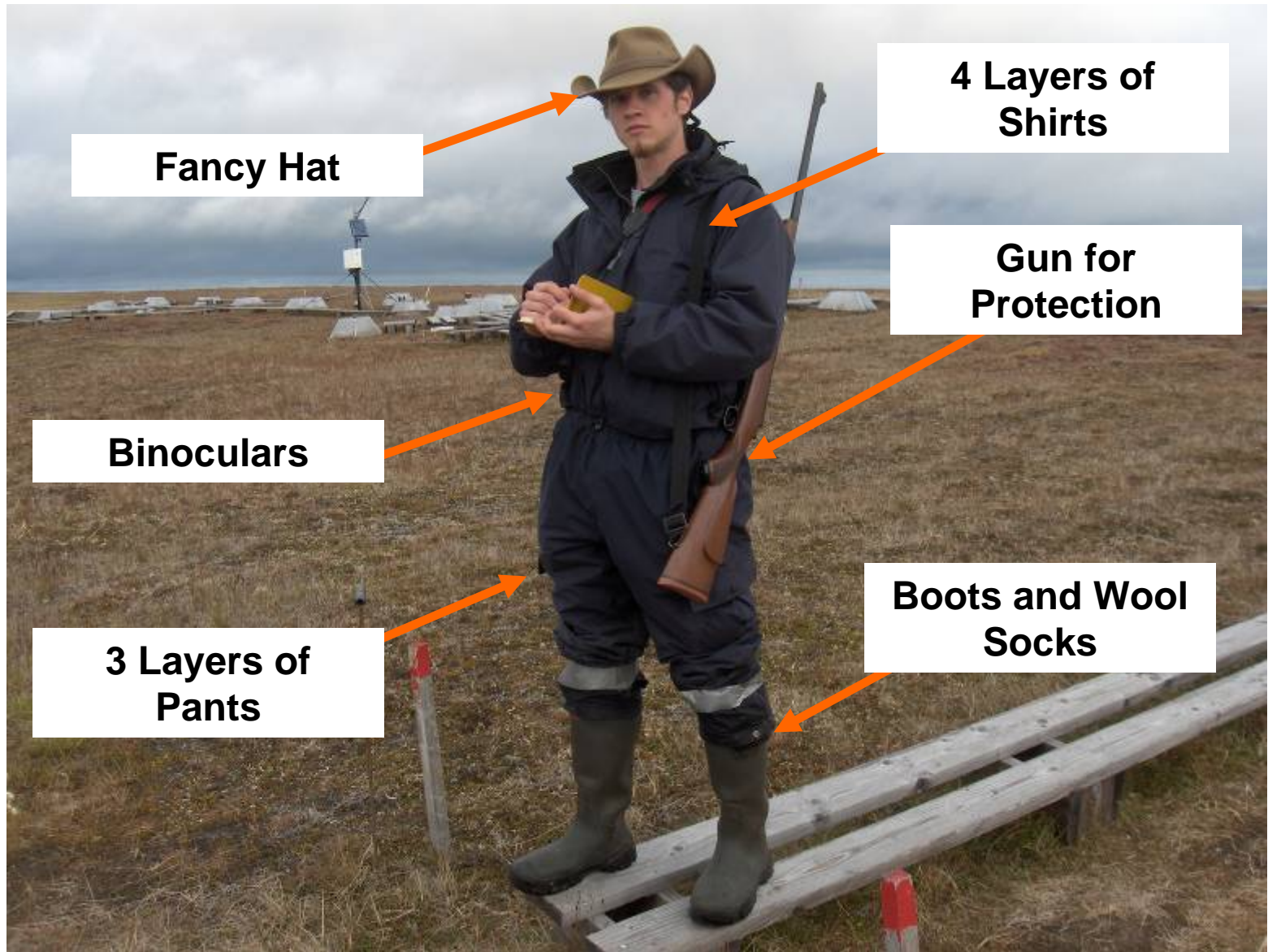
Fun Transportation



Lots of Time Outside



Spiffy Outfits



Fancy Hat

4 Layers of Shirts

Gun for Protection

Binoculars

Boots and Wool Socks

3 Layers of Pants

And of Course...

Lots of Cool Plants and Animals



Jaeger



Willow Bush

(*Salix rotundifolia*)



Ermine



Spiderplant

(*Saxifraga flagellaris*)



Gray Whale



Bowhead Whale



Woolly Lousewort

(*Pedicularis kanei*)



Woolly Lousewort

(*Pedicularis kanei*)



Ground Squirrel



Snowy Owl



Saxifrage

(*Saxifraga cernua*)



Brown Lemming



Ptarmigan



Water Sedge

(*Carex stans*)



Caribou



???

(*Luzula arctica*)



Polar Bear

