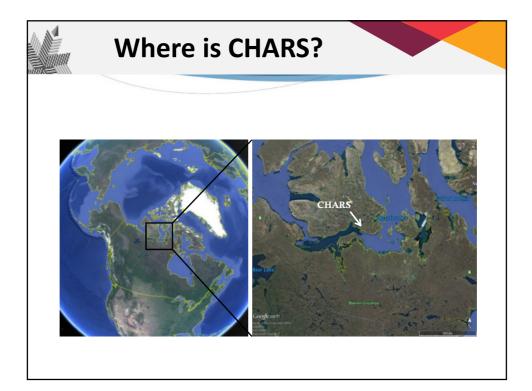


POLAR's Mandate

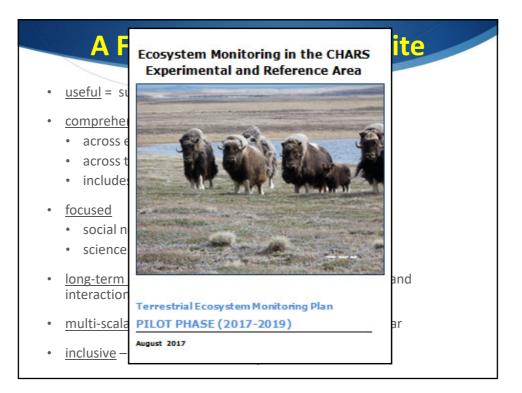
- Advance knowledge of the Canadian Arctic: Improve economic opportunities, environmental stewardship and quality of life of Northerners and all Canadians
- Promote the development and dissemination of knowledge of the other circumpolar regions, including the Antarctic
- Strengthen Canada's leadership on Arctic issues
- Establish a hub for scientific research in the Canadian Arctic

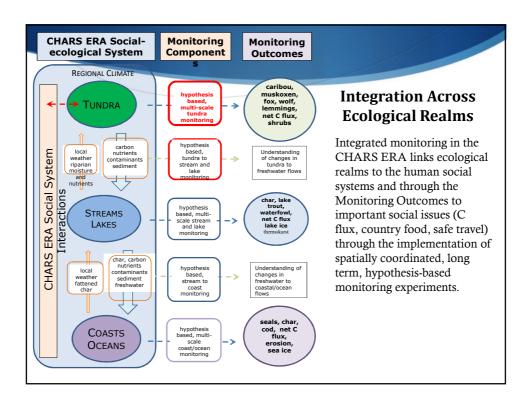


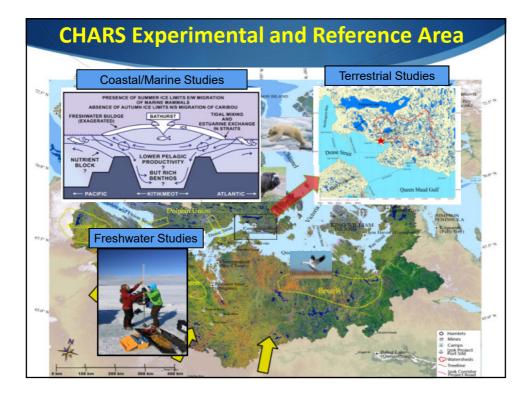


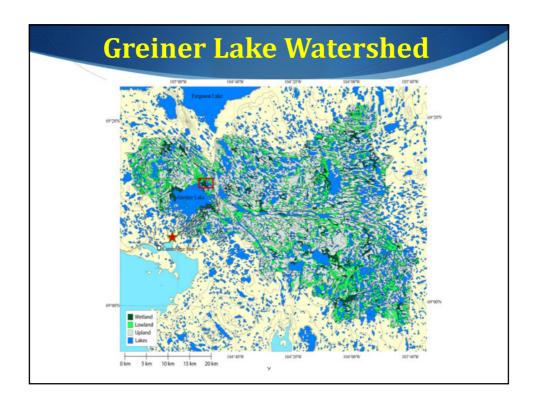
3











	 <u>Geology and Landforms</u> Carbonate bedrock overlain by 1-3 m of till of mixed lithology Post-glacial marine transgression - areas of fine textured marine deposits Soils mostly Turbic and Organic Cryosols (CSSC1998); active layers 30 cm to > 2m 	
A State Party	 Freshwater Ecosystems Hundreds of water bodies that range from large connected basins (to ca 10m) to shallow (<1m) seasonally connected ponds Few large rivers - small streams and seasonal drainages Highly alkaline systems - pH > 8.0 Supports very productive char and lake trout populations 	
	 <u>Tundra Ecosystems</u> Erect Dwarf Shrub Tundra Biome (Zone D - CAVM) Snow a key driver of terrestrial ecosystem processes (spring inundation, winter protection) Supports diverse Arctic biota directly in the path of climate change effects 	

