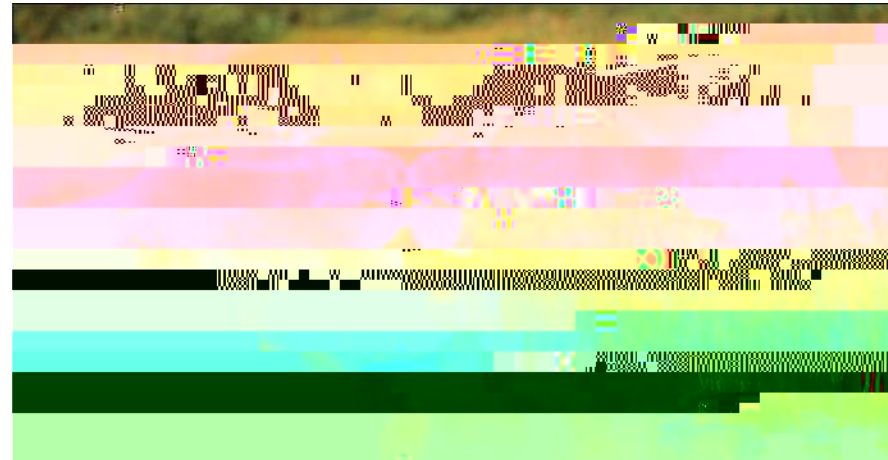


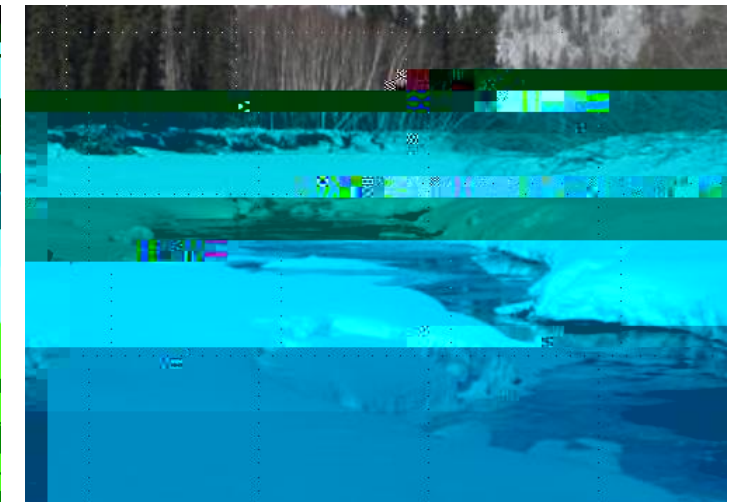
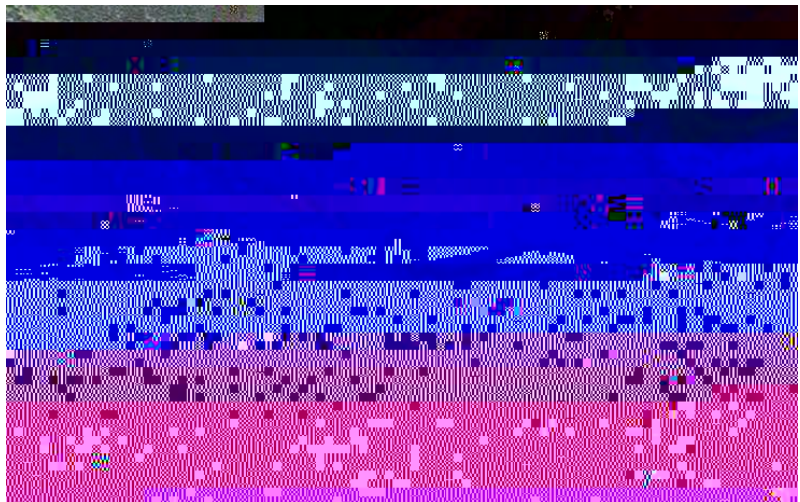
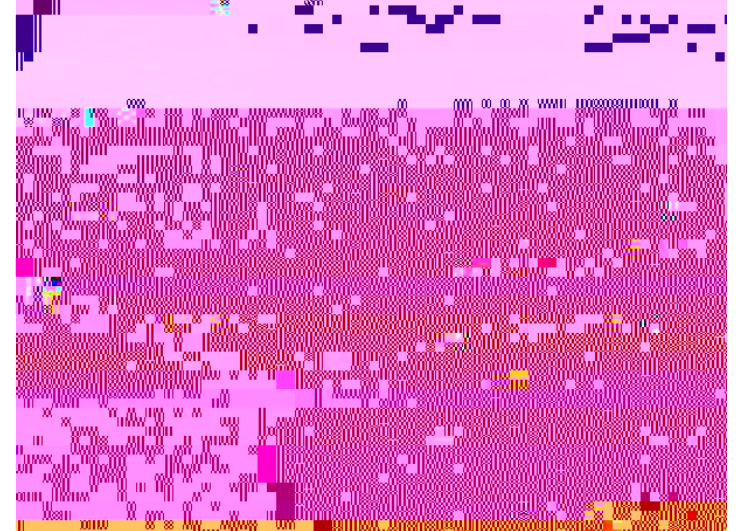
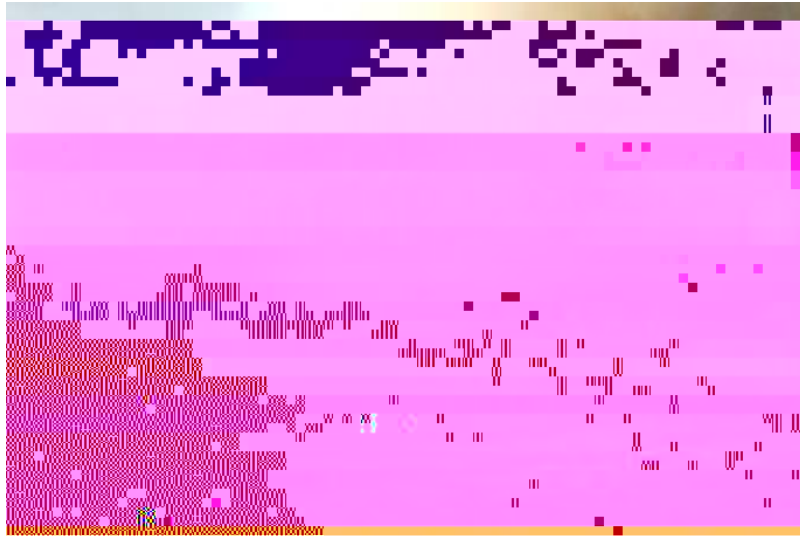
# Climate Change Impacts on Availability of Game Resources

Dr. Todd J. Brinkman, Asst. Professor, Institute of Arctic Biology, UAF

Contact: [tjbrinkman@alaska.edu](mailto:tjbrinkman@alaska.edu)



# The story begins with climate change...



# Overarching Research Question

- How are changes in the environment affecting the availability of fish and wildlife resources that are critical to the nutrition, culture, identity, and economies of northern societies?



Community-based research to facilitate  
coproduction of knowledge

$$\text{abundance} + \text{access} + \text{seasonal distribution} = \text{Availability}$$

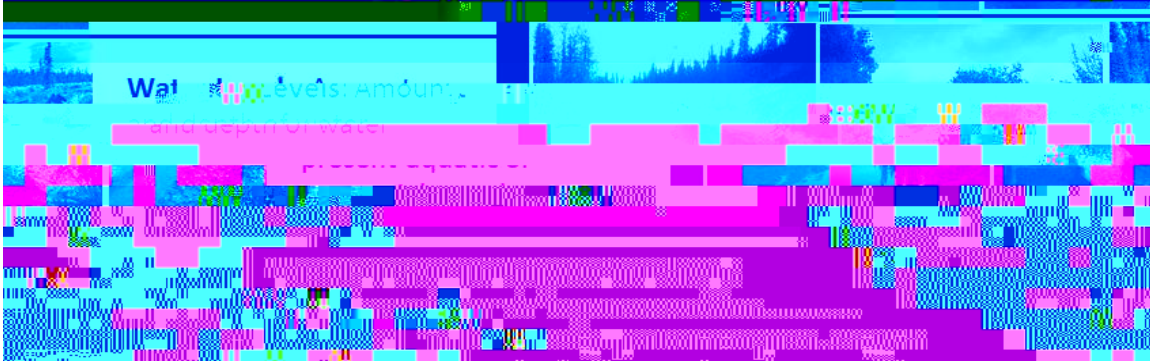
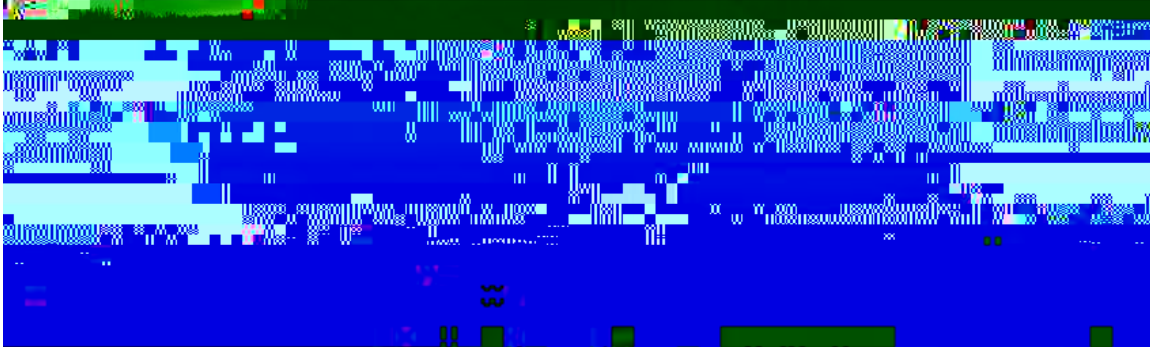
Arctic communities climate impacts on access as a critical challenge to availability (Brinkman et al. 2016 )

Abundance & Distribution	11%	73%	16%
Access	53%	47%	0%

# Community-based monitoring



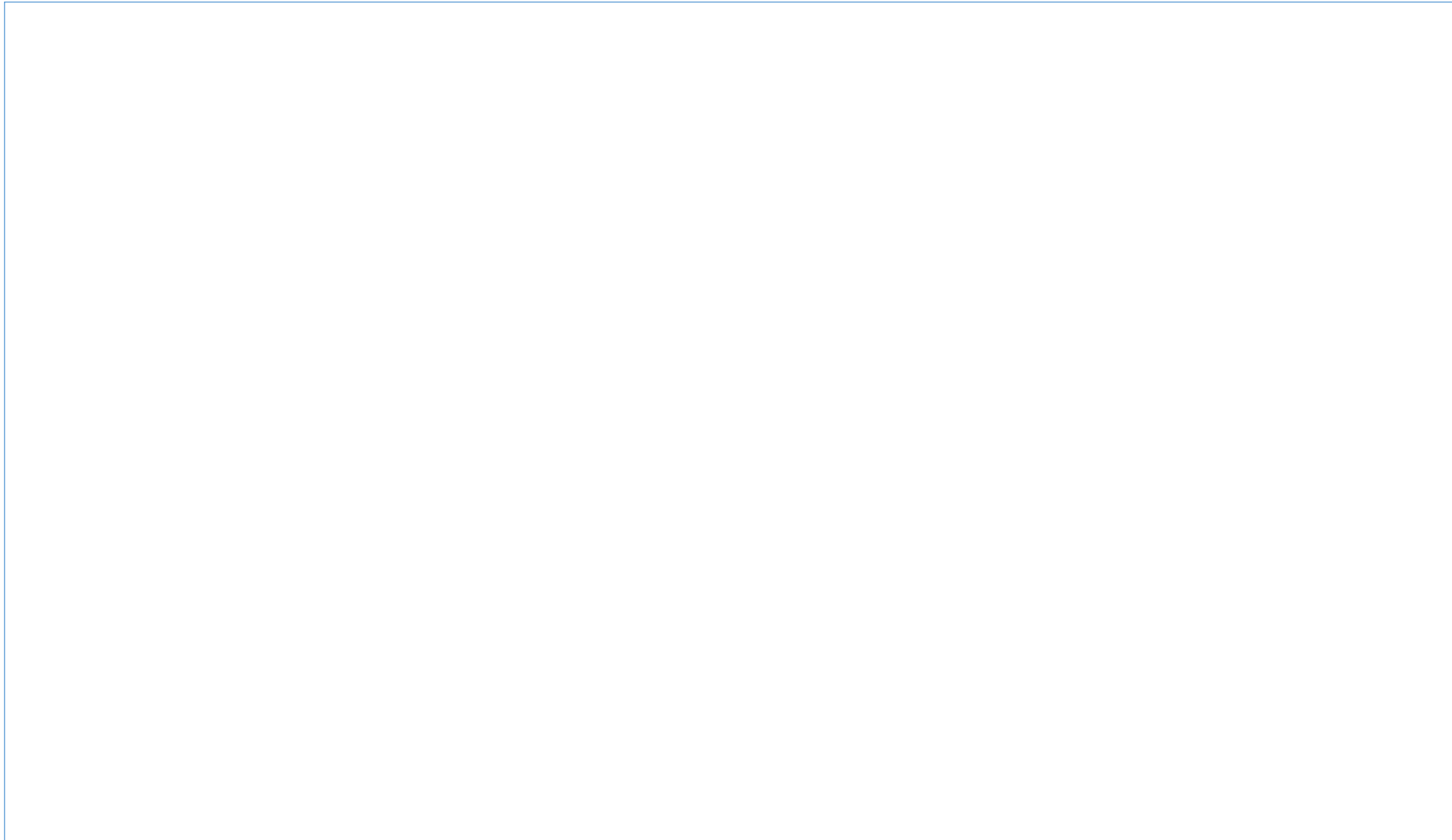
# Ice Conditions:



Human-Access-



# Human-Access-Environment



# How are we helping to address these challenges?

- Exploring how both individuals and institutions are responding
- Assessing the effectiveness of those responses
- Seeking ways to disseminate innovation
- Building meaningful collaborations

