

UNIVERSITY OF ALASKA FAIRBANKS

*ARCTIC COASTAL GEOSCIENCE LAB*



*AND*

*THE ALASKA COASTAL COOPERATIVE*



2<sup>ND</sup> CHIGNIK REGIONAL CLIMATE RESILIENCY SYMPOSIUM

June 4, 2023

# WHO WE ARE

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**Where my love of the shore and adventure began, Milford  
Connecticut, 1978**



**Chris Maio**, Director ACGL and ACC, UAF  
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# BACKGROUND

- Advance applied science regarding coastal processes and hazards
- Increase training and education opportunities for students and Tribal staff



# THE ALASKA COASTAL COOPERATIVE

- **Enhance communication** and synergy between multiple stakeholder groups to address shared goals
- **Advance Applied Science** that addresses local community priorities
- **Develop/Enhance workforce development** and education opportunities



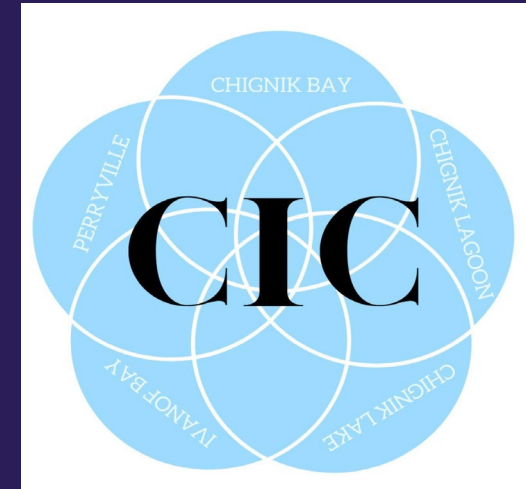
**Grease the  
wheels of  
collaboration**

# NEW FUNDED PROJECT!!



## *Advancing Resilience in Indigenous communities through community driven science, technology, and capacity building*

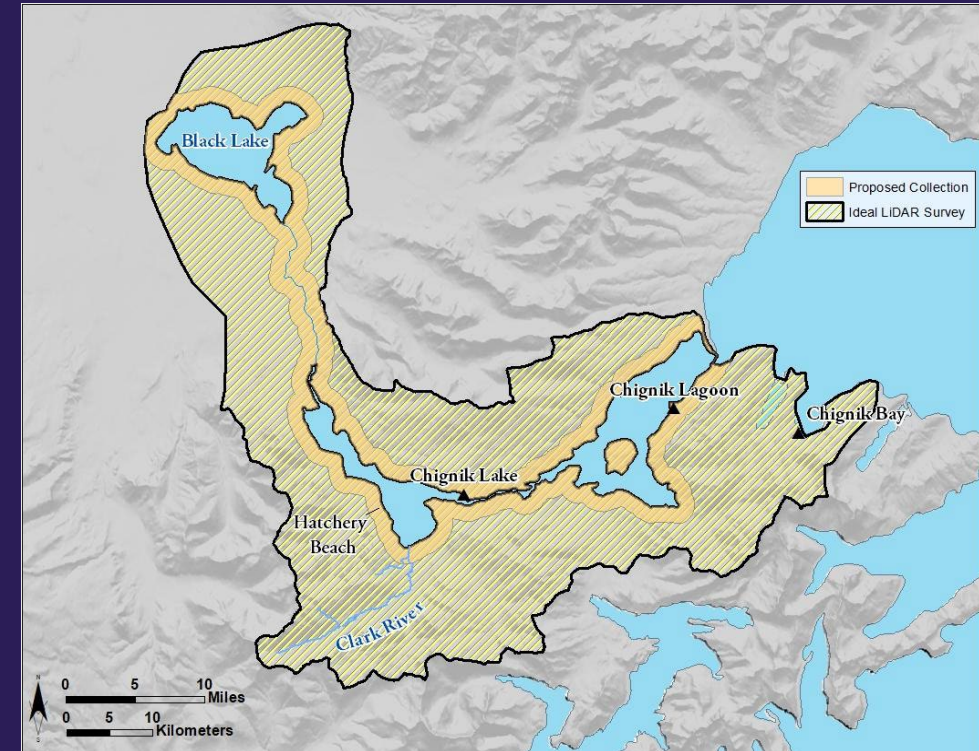
- Motivation – Contribute towards the revitalization of the Chigniks
- Vulcan's Kirk Larson visited last year becoming an advocate for the project
- Gabe Miller with Vulcan continued to advocate
- \$590k Awarded in March for 2 year pilot study





# The 1<sup>st</sup> Alaska Coastal Cooperative project!

- Enhance Communication and Collaborations
- Advance applied science to address community priorities
- Workforce development and education



# Enhance communication and long-term relationships with Alaska's coastal communities

- Shared goals of UAF, CIC, UW FRI, and Chignik Bay
- Mapping and monitoring the landscape and habitat of the Chignik Management Area





# Advance applied science to address community priorities

- Mapping the landscape using LiDAR, drones, and GPS surveys
- Collecting baseline data on water levels
- Baseline and repeat surveys and hazard analysis



Drone image of damn and lake collected on 6/2/2023



# Workforce development and education

- **Community-based bathymetry mapping**
- **UAF – Bristol Bay Campus Pilot Field School summer 2024**



# What we hope to accomplish in this meeting

- Contribute towards collaborative partnerships that support research and education in the Chignik sub region
- Inform participants about the newly funded research project
- Gain community feedback on:
  - 2024 field course activities
  - How to evaluate project for success
  - Other identified topics and/or priorities



# QUESTIONS AND OPEN DISCUSSION