

# KAKE CLIMATE PARTNERSHIP

Alaska Center for Climate Assessment and Policy



## Forming the Kake Climate Partnership

The Kake Climate Partnership was formed in 2020 between the Organized Village of Kake, Kake Tribal Corporation, the City of Kake, and ACCAP. The members of the partnership co-produced a set of Principles and Expectations for research, with the goal of supporting food sovereignty and increasing food security in the Kake Community Use Area.

## Increasing Food Sovereignty and Security

The Partnership developed locally-led ocean and stream monitoring projects that blend baseline climate and pollutant data with traditional knowledge. One of the objectives of the Partnership is to create a local climate workforce in Kake, in which residents have the training and resources to conduct long-term environmental monitoring, and are well compensated for their efforts. The jointly-owned data collected by this local workforce will help people in Kake document environmental change over time and plan how to adapt to future climate changes.

## Accomplishments Since 2020

### Developing a Community Workforce

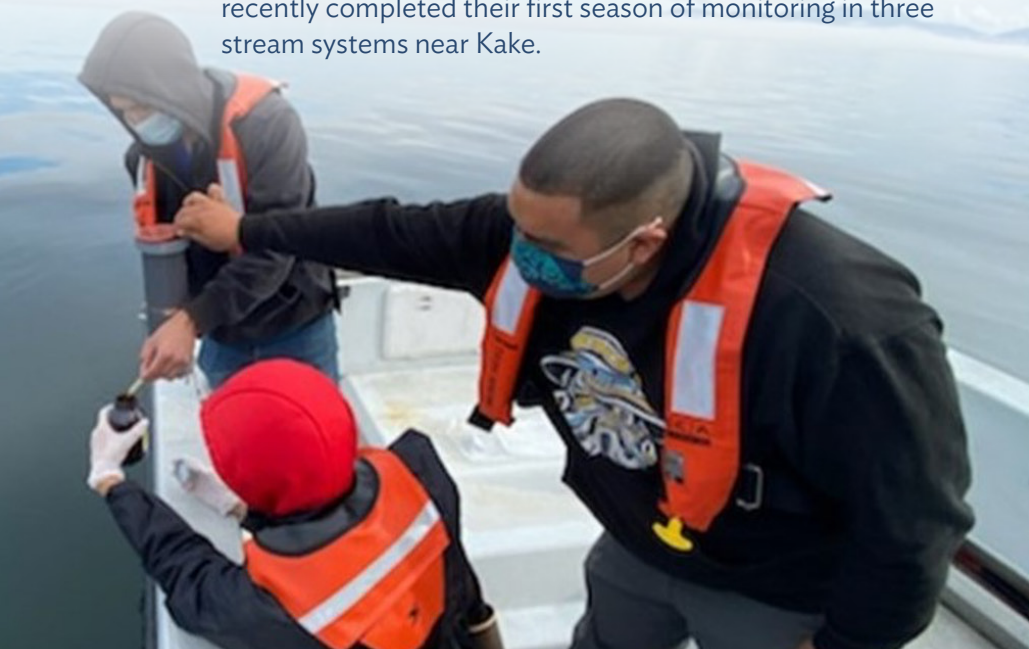
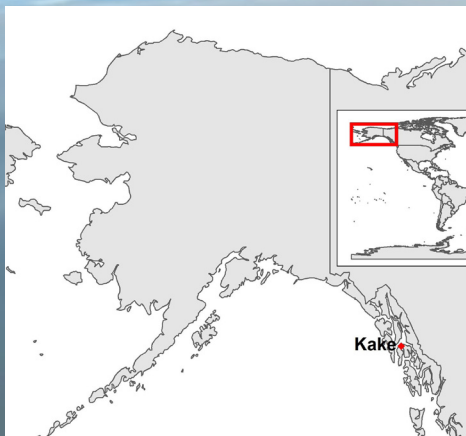
- More than 30 part- or full-time jobs were created for youth and adult residents in Kake.
- ACCAP supported five research intern positions and two research assistantships for undergraduates.
- Local youth were hired, trained, and mentored by ACCAP faculty to conduct research.
- Nine paid research assistantships were developed by the Partnership for high school students from the area.

### Monitoring the Marine Ecosystem

The team recently completed their third season collecting shellfish and ocean water samples to measure pH, salinity, temperature, nutrients, the concentration of heavy metals and bacteria. Results from this research could help assess impacts of climate change and ship traffic that resumed after Covid-19 restrictions were lifted.

### Monitoring Streams

In April 2022, the team held three events to train people in Kake how to document knowledge of local elders and experts about salmon in streams near Kake and the team recently completed their first season of monitoring in three stream systems near Kake.



 [ACCAP.UAF.EDU](http://ACCAP.UAF.EDU)

 [ACCAP@UAF.EDU](mailto:ACCAP@UAF.EDU)



ACCAP is funded by the Climate Program Office (CPO) of the National Oceanic and Atmospheric Administration (NOAA) and is a part of the International Arctic Research Center at the University of Alaska Fairbanks.

UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [www.alaska.edu/nondiscrimination](http://www.alaska.edu/nondiscrimination).