

# ALASKA ARCTIC OBSERVATORY & KNOWLEDGE HUB



## OBSERVERS

The Alaska Arctic Observatory and Knowledge Hub provides tools, resources and scientific information for northern Alaska coastal communities.

- 8 past and present AAOKH observers in 8 communities
- ✓ 4 community-based steering group members, 5 University of Alaska Fairbanks affiliated steering group members
- 👤 5 Indigenous students and staff



# 11,104

## OBSERVATIONS

AAOKH observations focus on sea ice, wildlife and coastal waters. They contribute to, and are stored in, the NSF-funded Exchange for Local Observations & Knowledge of the Arctic.

# 5840

Community-based AAOKH observations (2016 onward)

# 5264

Historic database (2006-2016) of local observations - Seasonal Ice Zone Observing Network

## AAOKH CORE FUNCTIONS

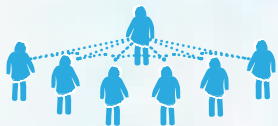
- 1 Sustain and support Indigenous observers to document environmental changes.
- 2 Create educational opportunities for the next generation of Indigenous leaders and scholars.
- 3 Put observations into practice in education, Indigenous-led environmental stewardship, and local to global decision-making and research.

# 484

## OCEAN, SNOW & ICE MEASUREMENTS

AAOKH observers gather data on ocean conditions. Their conductivity, temperature, depth (CTD) measurements provide information on ocean warming and timing of freshwater inputs. They also measure the amount of chlorophyll in the water. This reveals how productive the ocean is.

In some locations AAOKH observers measure snow depth and sea ice thickness.



### OUTREACH EVENTS

Connected with communities & scientists at 99 conferences, meetings, and events.



### @arcticAOK

3523 Facebook followers. Largest following (614) from Anchorage and (484) from Utqiagvik.



### PUBLICATIONS

AAOKH data and concepts published in 10 scientific manuscripts, 5 in prep, 3 reports, 1 story map, 1 book chapter, 1 children's book.



### NEWSLETTER

11 AAOKH newsletters mailed to 2796 box holders in the seven AAOKH communities.

Learn more at [arctic-aok.org](http://arctic-aok.org)