



Fall Freeze Up Log Sheet

Western Alaska LCC



It is important to understand the details of how sea ice is changing along Alaska’s shorelines, and how this change affects the coastline and coastal communities. In a small pilot project, we want to learn more about how ice, waves and wind interact with the coast during freeze-up. In particular, we are interested in observations in your community of how nearshore ice protects or damages the coast and impacts other activities in your area. The time period we are interested in is from the very first appearance of ice nearshore until the ice is stable and thick enough to travel on. This log sheet may be helpful in recording such observations. Also, we are interested in photos of some of the ice features or the potential impacts of storms, waves and ice on the coast.

Your name:

**Where was observation made
(village and specific location):**

Observation	Date	Description (and guidance on additional helpful information)	
First signs of ice on the ocean			Is slush or grease ice visible in the ocean?
First signs of other types of ice			What type of ice (floe ice, old ice)? Where did it come from?
First appearance of ice attached to the shore			How far out does the shorefast ice extend?
Ice berm formed (ice wall protecting shore along beach)			How did the berm form and how long did it stay in place?
Sea ice with mud or sand (dirty ice)			Where is the mud in the ice (top, bottom, middle)? Did it form along shore or come from someplace else?
Ice push event (ice driven onto the shore)			
Ice pressure ridges forming (floating or grounded)			
Ice forming is rough/smooth, making over-ice travel difficult/easy			Is the ice rougher or smoother than usual? What caused this?
Strong ice movement and fracturing			
Unusually large waves, currents or coastal flooding			
Ice is stable enough to walk on for first time			
Additional observations – please record on back of this sheet			

Please include the Native name in Yupik or Inupiaq if that adds to the description.

We want to learn what is important to people in your community about the ice and ocean. Please include anything else you observed about coastal ice that is interesting or important to you. You can use the reverse side of this page or additional pages.

Once freeze-up is over, please mail this page to Ms. Mette Kaufman who is part of our project at the University of Alaska Fairbanks (contact information below, you can also call by phone).
 Qu yana, Qu yanaq pak and Qu yana gh halek! Thank you for your help.

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