Bringing in the Community Retaining Knowledge

Community engagement ...

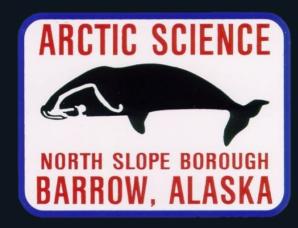
Collaboration...

Co-creation...

Retaining Knowledge











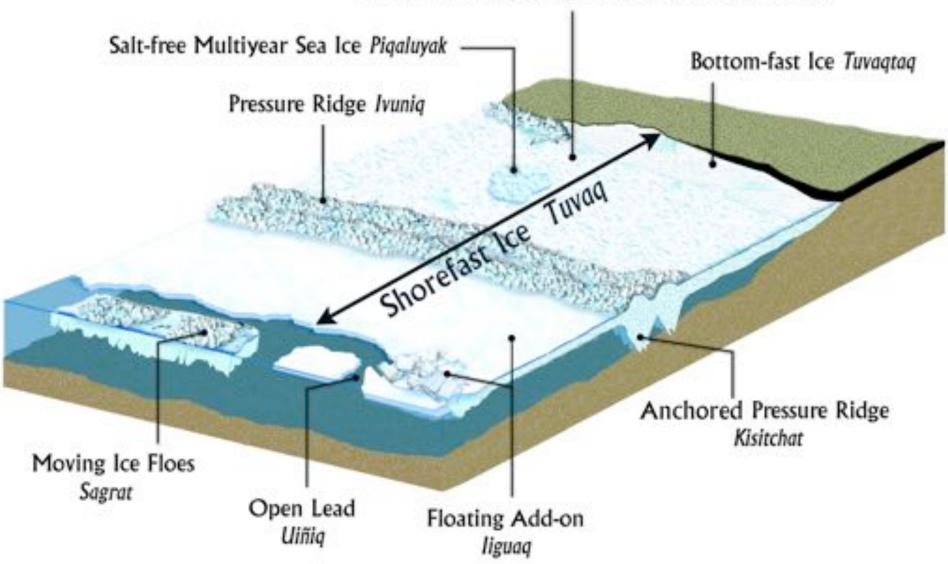




Community observations of sea ice change at Barrow

- Later fall freeze-up
- Less abundant multi-year ice
- Less stable shorefast ice in springtime
- Increased variability in ice conditions

Flat ice zone (Ignignaq) between shore and ridges





Warren Matumeak



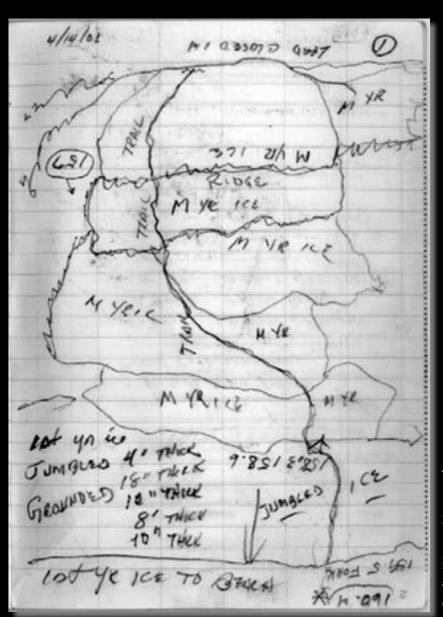
Craig George

Matumeak's hand sketches of the ice trails in 2001



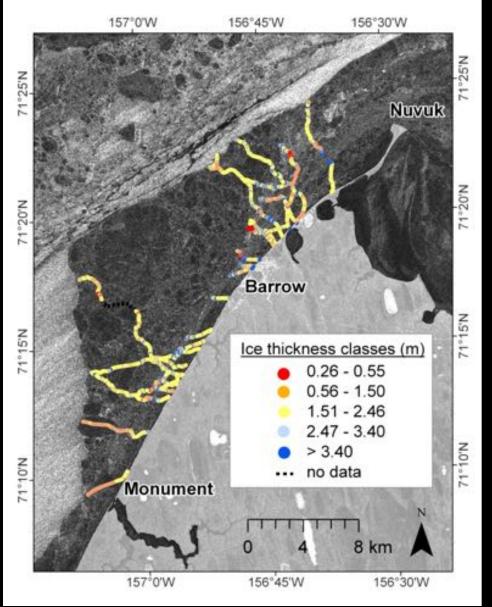
Warren Matumeak

"We had a lot more multiyear ice this year than in past years...I haven't seen this many piqaluyaq sections before."



edit: Warren Matumea

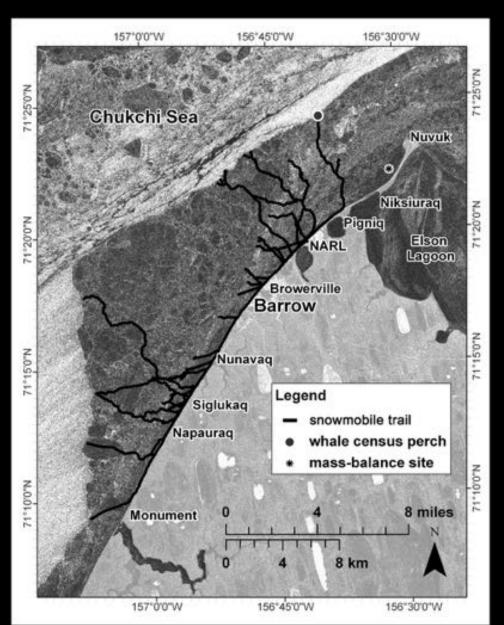
2010 ice trail map with thickness values overlaid



Trail surveys reveal types of ice used during whaling



EM-31 (with DGPS) in sled for measuring ice thickness



Trail maps provided a tool for ice type discrimination and navigation, and a resource for Search and Rescue

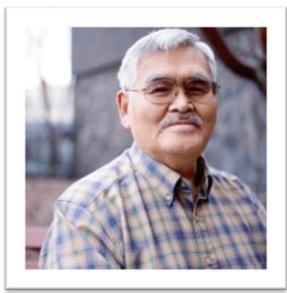
Maps provided a reference for interviewing hunters about ice conditions

Example ice trail map from 2010



PROJECT JUKEBOX

Digital Branch of the University of Alaska Fairbanks Oral History Program



Jacob Anaģi Adams, Sr.

is an Iñupiaq elder from Barrow, Alaska. He was born in 1946, and grew up in a family of twelve children that was highly dependent upon hunting and fishing. He started whaling when he was seven or eight years old, learning from his father and his uncle.

| Interview Title | Abstract | Archive #: Oral History | Project | Date of Interview |
|---|---|----------------------------|---------------------------------|----------------------|
| Se., Interview & | Jacob Adams, Sr. was interviewed on July 11, 2008 by Matthew Druckenmiller in Barrow, Alaska. Craig George was another interviewer for part of the interview. This interview was part of Matthew's research for a Ph.D. in Snow, Joe and Permathost Geophysics from the University of Alaska Fairbanks. For his project, he mapped the trails built by whalers to their camps at the edge of the sea ice and talked with local residents about ice conditions, whale camps, and trail building. Results of his research can be found in his dissertation Alaska Shorefast Joe: Interfacing Geophysics With Local Sea Ice Knowledge and Use (2011). In this interview, Jacob talks about the ice conditions, trails, samp locations and whating in Barrow during the 2008 spring season. | 2013-29-10 | Sea Jun fraçact Juliation | 34 11, 2006 |
| Jacob Adams, Sr., Interview 2, Parl J | Sacob Anagi Adams, Sr. was interviewed on November 15, 2013 by Karen Brewster in the North Single Borough Assembly's conference room at the Borough's central office building in Barrow, Alaska. In this first part of a two part interview, Jecob talks about learning to whale as a boy from his father and uncle, and learning how to read and understand the ice for being safe out there. He also discusses the wind and currents and their effects in the ice, and the specific conditions of the Spring 2013 whaling season when his crew landed a bowhead whale in tate June 2013. | 2013-25-07_PY.1 | Sea los Project Juliabas | Nov 15, 2013 |

https://jukebox.uaf.edu/

The IÑUPIAQ LEARNING FRAMEWORK

Environmental



The IÑUPIAQ LEARNING FRAMEWORK



Environmental

- Food preparation and care
- Hunting
- Sewing
- Tools
- Medicines and healing
- Environment

Individual

- Creating balance
- Leadership
- Women's roles
- Men's roles
- Values and beliefs
- Naming
- The life cycle

Community

- Elders
- Ceremonies and celebrations
- Singing and dancing
- Story telling
- Arts
- Parenting
- Games
- Relationships

Historical

- Stories of the Inupiat
- North Slope History
- Modern history & global connections

Opportunities for brining in the community are indicated by the ways communities choose to share.

Retaining knowledge is supported by being able to tell new stories that connect to science.

