



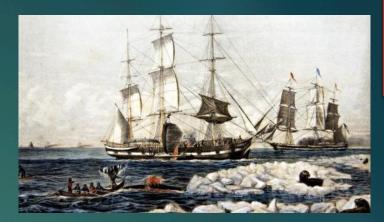


UIC SCIENCE, LLC - BARROW, ALASKA - KAARE SIIKUAQ ERICKSON - COMMUNITY LIAISON

Ukpeagvik Inupiat Corporation

1200 Inupiat Shareholders3500 Employees42 Subsidiaries





Long History of Providing Support and Knowledge to the Scientific Community

- 1940-1970s Navy Arctic Research Laboratories.
- Community and Scientists learned from each other.
- 1992, UIC designated 7,466 acres of private land as the Barrow Environmental Observatory



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- Provide logistics support
- Arctic orientation
- Remote camps and labs
- Vehicles and maintenance (Trucks, ATV, UTV, Snowmobiles, etc.)
- Barrow Housing Options
- Permitting
- Bear Guards
- Field consultants
- Archaeology/CRM
- Local Inupiat Experts on Staff.
 - Benefits research
 - On-site opportunity for community engagement/outreach.



"I can never boast or praise about the quality and usefulness of our bear guard enough."

"Do their jobs effectively and conduct themselves professionally, seem genuinely interested in our scientific goals and use their local system knowledge to compliment and assist our study anyway they can."

"I can honestly say that the bear guard[s] not only facilitate our scientific endeavors, but improve on them with their intimate knowledge of ice conditions, weather patterns, trail availability/conditions, and equipment maintenance."

(Polar Field Services Website)

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Barrow - Ship to Shore Capabilities

- -Several staff members have captains licenses -Two New Munson Landing Crafts
- 1. 32' length, 12' width, 5.2 'depth; Twin Volvo D6 330 HP Diesels; 250 Gal. Fuel Tank; 300 nautical mile range.
- 2. 26' length, 10' width, 4.5 ' depth; Twin Volvo D4 225 HP Diesels; 150 Gal. Fuel Tank; 250 nautical mile range;

Also available: Skiffs, Sub-contract vessels





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UIC Marine Services

Arctic barging experts.

Distinct Advantages in the Arctic:

Easily adapt to changing Arctic conditions.

Specialized equipment – experienced and safe operators.

Only reliable barge services to all North Slope villages.

Marine Freight Logistics Specialists

Hazardous Materials & Waste Shipping

Seattle Terminalling Services, Consolidation, Container Leasing

Marine Cargo Transportation

Oilfield Services & Support, Rig Moves, Remote Site Freight & Crew Transport

Vessel Leasing, Maintenance & Operations

Construction Project Mobilization & Demobilization

Freight Barge Services Training & Logistics Services Port & Harbor Operations





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Long History of Whaling

- -People are proud of their whaling history; both their traditional Inupiat whaling and their Yankee whaling history.
- -Community centered around whaling.
- -Influences surrounding regions.
- -Feeds community
- -Year-long commitment.
- -Traditional stewards of land and sea.









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Springtime Concerns

- -One-time migrations vs. resident populations
 - -Beluga migration/hunt very important
 - -Bowhead migration/hunt very important
- -Whale on shore-fast ice, utilize leads
- -Susceptible to variable ice conditions
- -May be more susceptible to ice-breaker activity
- -Creation of ice leads good/bad?









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Summer / Fall Concerns

- -2016 Fall whaling Consequences of Quintillion Fiber Optic Line construction
 - -Whales traveled abnormally far out (20-40 miles).
 - -Had to spend lots more time and resources.
 - -Much more dangerous.
- -Seeing/expecting a large increase in marine traffic including barges, commercial, cruise ships, yachts, and other private vessels.
- -Customs? Proper documentation? Medical records? Who's responsibility is it to check?
- -Security
- -Emergencies? Local resources? No safe haven!



Moving Forward

- -Local representatives bring to light some of the problems, but they also <u>want and need</u> to be a part of the solutions.
- -We need a more consistent system to facilitate ongoing 2-way communication.
 - -Early spring to late fall.
 - -Report short and long term goals (research, etc.)
 - -Need more funds for AEWC
- -Variables always changing, especially with the changing climate!
- -Both sides will benefit.
- -Locals are very thankful for respectful cooperation.
- Educate community on your efforts to mitigate impacts on environment (Sikuliaq)
- -Good coordination and outreach with Community!! Example: C. Ashjian community meetings
- -Remember the other marine resources (other than whales)!
- -Don't forget to consult with other communities (SLI, Bering Straits, etc.)!

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