UTQIAĠVIK LOGISTICS 2017-2018

UIC SCIENCE LLC

OUR ROLE IN ARCTIC SCIENCES



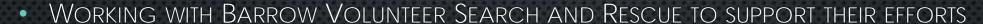
- UIC Science provides logistics to Scientists in Arctic Alaska— Lodging, vehicles, labs, remote camps, bear guards, equipment, maintenance, liaison/outreach services, Local consultation and more
- ARSLS: NATIONAL SCIENCE FOUNDATION → CPS → UIC SCIENCE (QUYANA!)
- Many other partners outside NSF, ie. ONR, UAF, NASA, DOE, CAS, MPI
 - WORK WITH MOST US FUNDING AGENCIES
- ICE X ON ICE AND PRUDHOE BAY LOGISTICS
 - Partnering with UAF to provide Sea Ice Subject Matter expertise (Andy Mahoney)
 - 3 PEOPLE ON-ICE
 - 3 STAFF IN PRUDHOE BAY HANDLING STAGING LOGISTICS
- UICS Supporting Arctic Edge exercise for Northern Command





....OUR ROLE IN ARCTIC SCIENCES

- 4 New Vessels in Utqiagvik
 - 32' LANDING CRAFT TWIN 330HP OUTDRIVES
 - 26' LANDING CRAFT TWIN 250 HP OUTDRIVES
 - (2X) 18' RIGID HULL INFLATABLE (RHIB)



- Assisted with SAR effort this summer and utilized science resources.
- 1 LICENSED CAPTAIN ON STAFF



LONG HISTORY OF RESEARCH IN UTQIAĠVIK

- 1849 50 COMMERCIAL WHALING PASSED THROUGH BERING STRAITS TO THE ARCTIC OCEAN AND ENJOYED PHENOMENAL SUCCESS, AVERAGING MORE THAN 1,300
 BARRELS OF OIL PER VESSEL AND LARGE AMTS. OF BALEEN.
- 1852 200 WHALING SHIPS WHALING AND HUNTING WALRUS IN ARCTIC OCEAN.
- 1852-54 H.M.S. Plover overwintered in Elson Lagoon Report back to U.S. and British Governments that it is safe to overwinter and have friendly relations w/ locals.
- 1870s 57 whaling ships lost in ice due to aggressive whaling in ice. 1871, 31 lost near Point Belcher, 1876 12 near Pt. Barrow
- 1881-1883 International Polar Year International effort to take measurements across the Arctic. Station set up in BRW. i.e. weather conditions,
 Tidal amplitude, auroral display, earth magnetism, minerals, plants, invertebrates, fish, mammals, birds, ethnography, and linguistics.
- 1886 Group of Naval Officers travel from Kotzebue Sound through Howard Pass and float down the Colville. They notice oil and gas resources.
- 1895 20 LAND-BASED WHALING STATIONS BETWEEN SLI AND BRW
- 1897 44 Whaling ships abandoned near Pt Barrow, stranding 1,200 whalers on the N. Slope
- 1921 Pres. Warren D. Harding created PET-4 as a gas/oil reserve for their new gas-powered submarine fleet (switched over from coal power).
- 1940s OIL/GAS EXPLORATION CAMP ORGANIZED AT CURRENT NARL LOCATION.
- 1947 NAVY ARCTIC RESEARCH LABORATORIES (NARL) ESTABLISHED
- 1980s NARL TURNED OVER TO UKPEAGVIK INUPLAT CORPORATION
- 1990s UIC established Barrow Environmental Observatory
- 2000s UIC BUILDS SCIENCE LOGISTICS CAPACITY



2017: <u>SUCCESSFUL ENGAGEMENT WITH A</u>RCTIC COMMUNITIES

- Working with and for Arctic Communities is hot topic in US Arctic Sciences ie "Actionable Science"
- NSF Leading in Outreach Initiatives in Arctic Alaska
- Great examples of engagement: Chris Polashenski (Ice), Carin Ashjian (Marine)
 BARC Science Fair (UTEP, VIMS, NOAA, CPS, NEON, ITEX,)
- ENGAGING WITH SCHOOLS (NSBSD) BUILDING CURRICULUM









•	AEWC most important entity to work with regarding marine activity in Arctic
•	AEWC AND AWSC (SOP) VERY IMPORTANT!