

UTQIAGVIK 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)
- WORKING WITH BARROW VOLUNTEER SEARCH AND RESCUE TO SUPPORT THEIR EFFORTS
 - ASSISTED WITH SAR EFFORT THIS SUMMER AND UTILIZED SCIENCE RESOURCES
- 1 LICENSED CAPTAIN ON STAFF



LONG HISTORY OF RESEARCH IN UTQIAGVIK

- 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 INUPIAT CORPORATION
- 1990s – UIC ESTABLISHED BARROW ENVIRONMENTAL OBSERVATORY
- 2000s – UIC BUILDS SCIENCE LOGISTICS CAPACITY



2017: SUCCESSFUL ENGAGEMENT WITH ARCTIC 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



- AEWIC MOST IMPORTANT ENTITY TO WORK WITH REGARDING MARINE ACTIVITY IN ARCTIC
- AEWIC AND AWSC (SOP) VERY IMPORTANT!