The Eyes & Ears of Environmental Change in Alaska

www.leonetwork.org
There are over 200 LEO member communities in Alaska, including the communities of Barrow, Nome, and Shishmaref. In Shishmaref, LEO posts since 2012 have reported hazardous sea ice conditions, an unusual mortality event with hairless seals, rare birds, late freeze up, and a bear sitting out of normal range.
LEO IS MAKING A DIFFERENCE

CLIMATE CHANGE IS HAVING A BROAD RANGE OF IMPACTS.
BY TRACKING EVENTS WITH LEO, WE CAN:

✓ BUILD TRIBAL, LOCAL, AND SCIENTIFIC CAPACITY
  BY RAISING AWARENESS ABOUT CLIMATE CHANGE.
✓ EVALUATE POTENTIAL CLIMATE - IMPACT CONNECTIONS.
✓ UNDERSTAND CLIMATE TRENDS AND SEASONAL CHANGE.
✓ DEVELOP THE DIALOGUE ABOUT CLIMATE ADAPTATION,
  WHICH MAY POSITIVELY INFLUENCE AGENCY POLICIES AND PROGRAMS.
✓ PERFORM SURVEILLANCE ABOUT EMERGING CLIMATE EVENTS SO THAT THE HEALTH OF
  THE ENVIRONMENT AND ALASKANS CAN BE PROTECTED.
Alaska Climate Events, June 2011

This map provides an overview of climate related (or potential climate related) events that are occurring in Alaska. The map is maintained by the Alaska Native Tribal Health Consortium (ANTHC) and is based on published reports, media stories, and local observations. The purpose is to track events for long term and seasonal trends analysis. For more information contact Michael Bruvaker at ANTHC's Center for Climate and Health, mbruvaker@anthc.org.

Early summer butterfly sighting
Fairbanks, June 1 (Insect) Canadian Tiger swallowtail butterfly. All the big, black and yellow striped butterflies you see fluttering about are nothing unusual. It's just the annual outbreak of these...

King salmon subsistence restricted
Bethel, June 2 (Fishery) An announcement from the Alaska Department of Fish and Game at Bethel for subsistence salmon fisherman in the Kuskokwim River Drainage. The current 2011 outlook for the Kus...

PSP outbreak investigation
Annette Island, June 5 (Parasitic toxins) State health officials are...
MARINE MAMMAL SICKNESS IN THE ARCTIC
LEO Network observer Victoria Kotongan reported worm-like parasites showing up in grouse and ptarmigan in 2012.

Credit: Victoria Kotongan
Old LEO
Observers are tied to computer and website. Posting an observation takes multiple actions. Photos must be sent separately by email.

New LEO
Observers are can make observations including photos and video in the field. Automatic upload occur when cell tower reception restored. Updates on new observations received in form of alerts.
For more information, contact Mike Brubaker at the ANTHC Center for Climate and Health mbrubaker@anthc.org or Moses Tcheripanoff mptcheripanoff@anthc.org
LEO MAKES HEADWAY IN WASHINGTON, DC

Rapid Environmental Change: How do We Adapt?

Alaska Natives Have Intimate Knowledge of Environmental Conditions Where They Live

White House Citizen Science Event
September 2015
A one-day workshop is being held November 15-16, 2016 in Victoria, BC to familiarize regional champions with the LEO Network.

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PROGRESS BEING MADE IN THE ARCTIC COUNCIL

PHASE ONE
Develop of a framework for the expansion of the LEO Network in the arctic, and establish North American Regional Chapter of LEO in U.S. and Canada

PHASE TWO
Establish additional country, regional chapters in the LEO Network (Fenno-Scan Chapter)

Welcoming New Partners, Such As International Center For Reindeer Husbandry, Snow Change, Sami Educational Institute, And Other Sami Organizations

PHASE THREE
Link All LEO Chapters Into Circumpolar Environmental Observer Network (CLEO)
Thank you!

Questions?