



Local Environmental Observer (LEO) Network Map – visit our October map to view new observations about challenges for drying harvested food in Elim, erosion and sanitation system threats in Quinhagak, and about skin illness in white fish near Nuiqsut and a hairless seal and a delayed ice fishing season for Shishmaref [ANTHC](#). Visit our [archives](#) and follow us on [Facebook](#)

Climate Events in the Circumpolar North – *In USA*: rare whale found near Gambell Alaska, a delayed winter in Fairbanks and a huge Canada goose migration over Anchorage. *In Canada*: the moose are still healthy in YT, a delayed winter for Inuvik NWT a wayward muskox in Yellowknife, and a trichinosis outbreak in Nunavik. [ANTHC](#)

Increasing heat related deaths in Sweden October 22, 2013. The increased temperatures caused by ongoing climate change in Stockholm, Sweden between 1980 and 2009 caused 300 more premature deaths than if the temperature increase did not take place. In Sweden as a whole, it would mean about 1,500 more premature deaths, according to a [study](#) from researchers at Umeå University. [Science Daily](#)

Losing hares over climate change October 10, 2013. The Arctic hare population in southern Finland has dropped to about half over the past two decades and scientists say shorter winters have contributed to the decline. The Arctic hare is becoming increasingly rare, particularly in southern Finland, due to the rise in local temperatures and an inability to compete with the European hare. [Arctic Journal](#)

Tree root wad technique restores river banks October 20, 2013. The decades-old practice of dumping old vehicles, chunks of concrete and large rocks into the Chena River to stabilize eroding riverbanks might be nearing an end. A riverbank restoration technique developed by the U.S. Fish and Wildlife Service that uses giant, spruce root wads anchored into the riverbank is taking hold in Fairbanks. [Fairbanks Newsminer](#)

Climate Change Opens up New Era of Commerce in Alaska October 22, 2013. You may prefer your Arctic pristine, but melting ice from climate change coupled with ships equipped with new ice-breaking technology could spark a new era of commerce in the far north. Up until recently, the waters in the region were too frozen for this type of commerce. But now climate change coupled with new ice breaking technology are making new industries possible. Read and listen: [Marketplace](#)

Video of the Week –Thawing Permafrost – This six minute film by NBC News features University of Alaska Fairbanks researchers Vladimir Romanovsky and Katie Walter Anthony describing the science and impacts of permafrost thaw in the Arctic. [YouTube](#)

Climate and Health E-News is read by people who are interested in climate change and public health in the circumpolar north. For back issues click [here](#). To subscribe or unsubscribe, click [here](#).

Regards – Mike

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