



MyMap with **LEO**

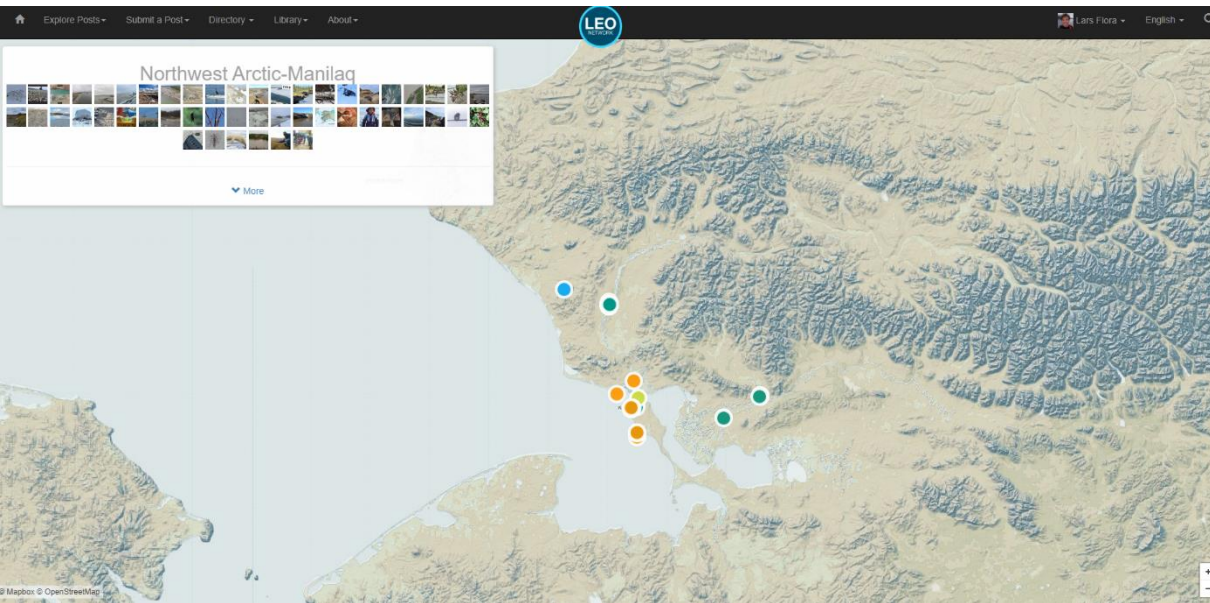
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*The Local Environmental  
Observer Network*

[www.leonetwork.org](http://www.leonetwork.org)



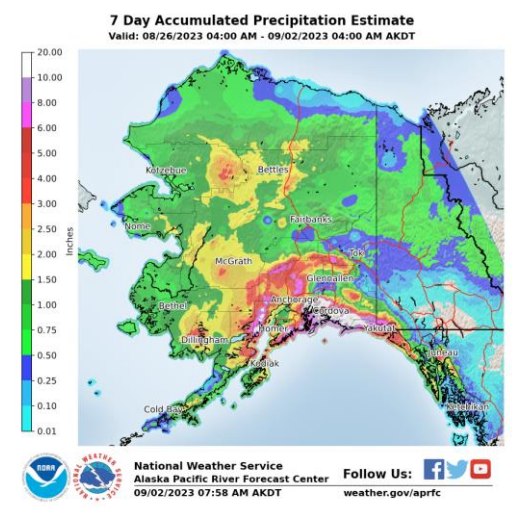
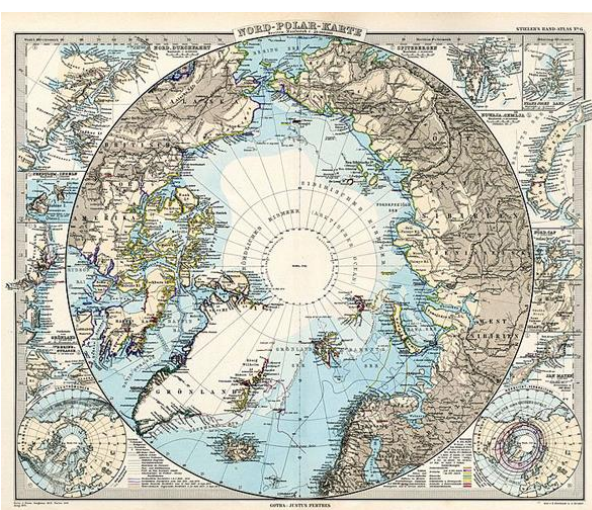
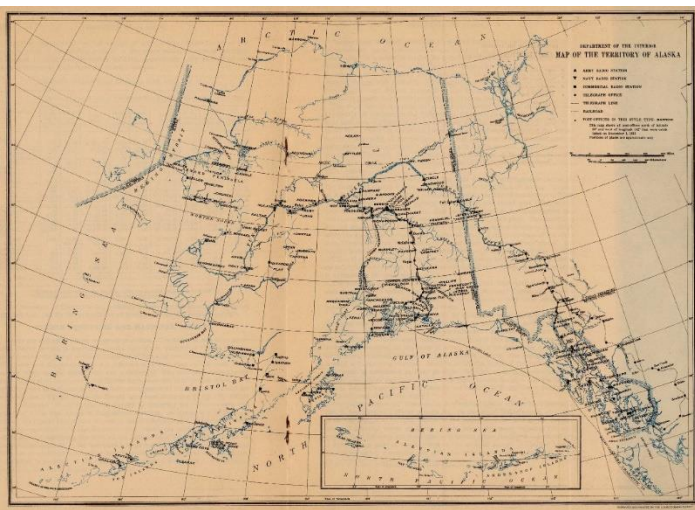
ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM



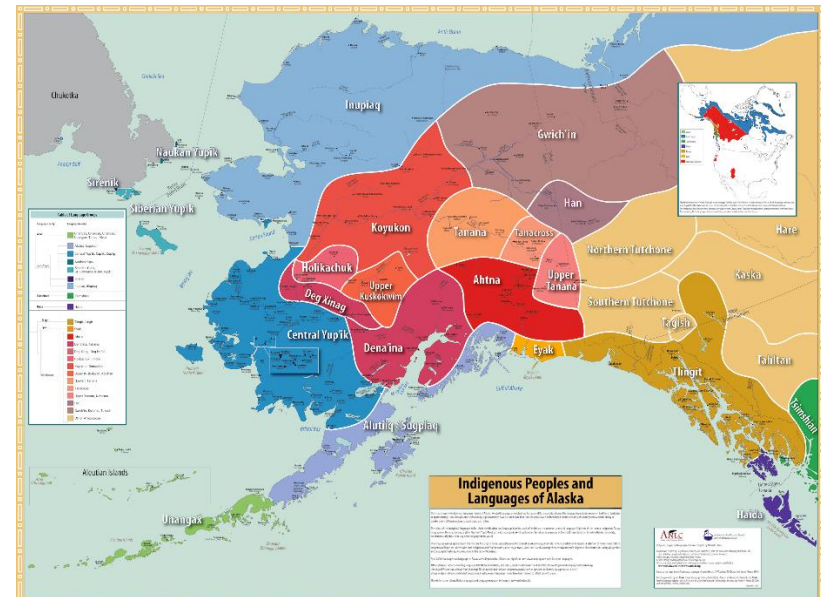
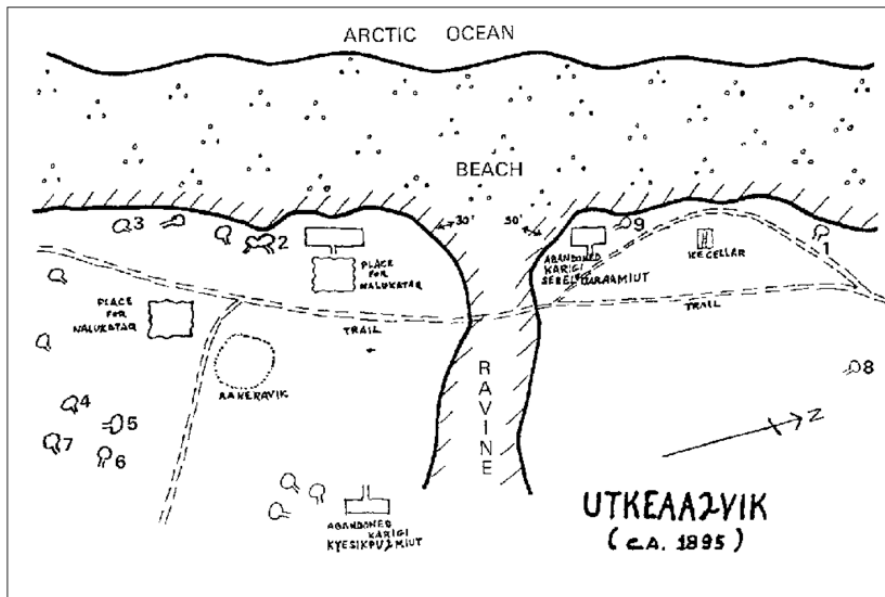
### Goals of Training:

- Create a My map in LEO
- Using a Map in a presentation
- Using LEO in Work Plans for Climate and Erosion
- Demonstration of website
  - Mapping Activity

*Where traditional, local, and scientific knowledge meet to learn and discuss a changing environment.*



Maps help us understand different perspectives, and cultures helping to connect different knowledge systems



# Alaska Tribal Health System

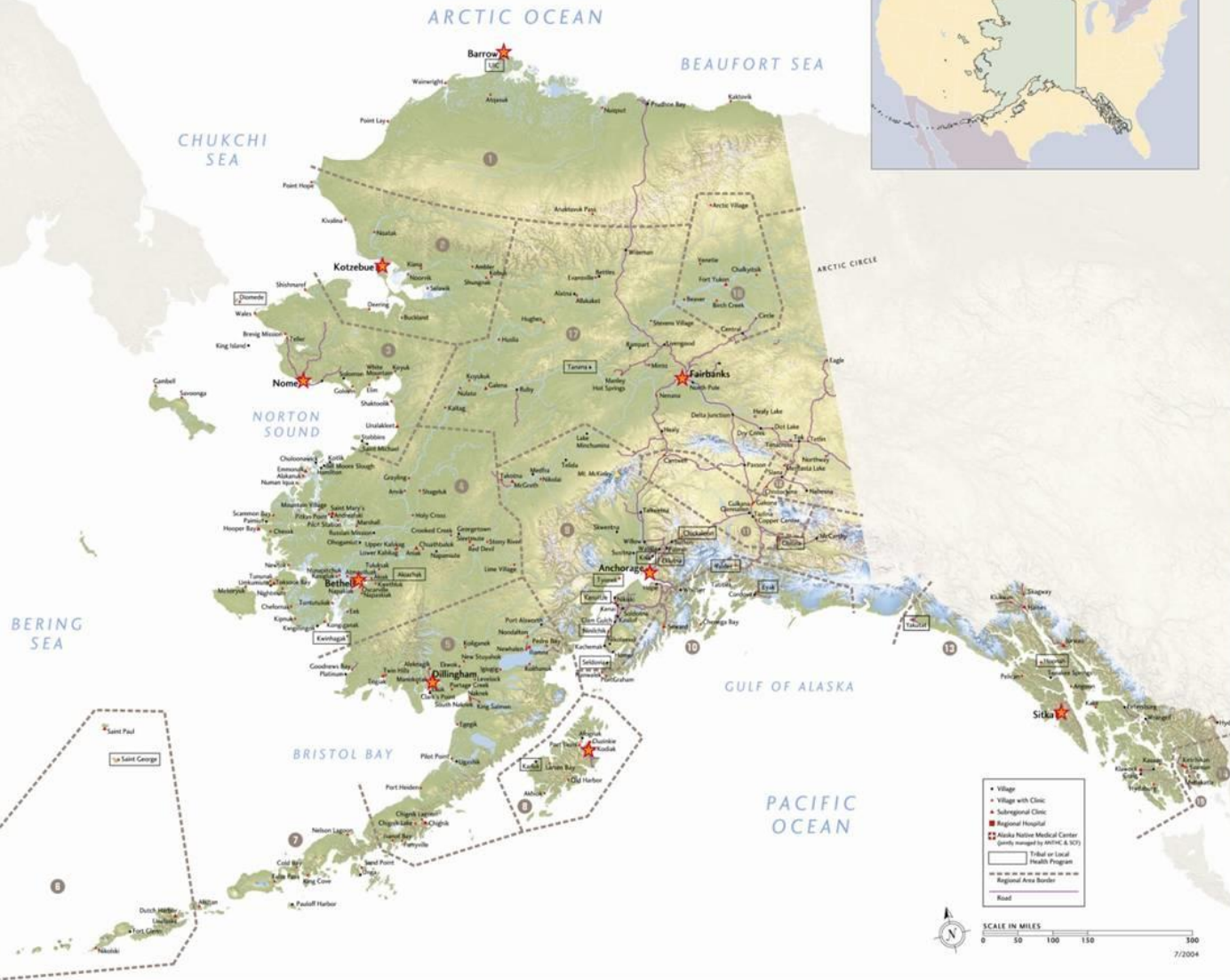
## Regional Health Consortia Area Map Key by Region

REGION NUMBER	ORGANIZATION
	Alaska Native Tribal Health Consortium
1	Arctic Slope Native Association
2	Maniilaq Association
3	Norton Sound Health Corporation
4	Yukon-Kuskokwim Health Corporation
5	Bristol Bay Area Health Corporation
6	Aleutian/Pribilof Islands Association
7	Eastern Aleutian Tribes
8	Kodiak Area Native Association
9	Southcentral Alaska Alaska Native Medical Center (jointly managed by ANTHC & SCT) Southcentral Foundation
10	Chugachmiut
11	Copper River Native Association
12	Mt. Sanford Tribal Consortium
13	SouthEast Alaska Regional Health Consortium
16	Tanana Chiefs Conference

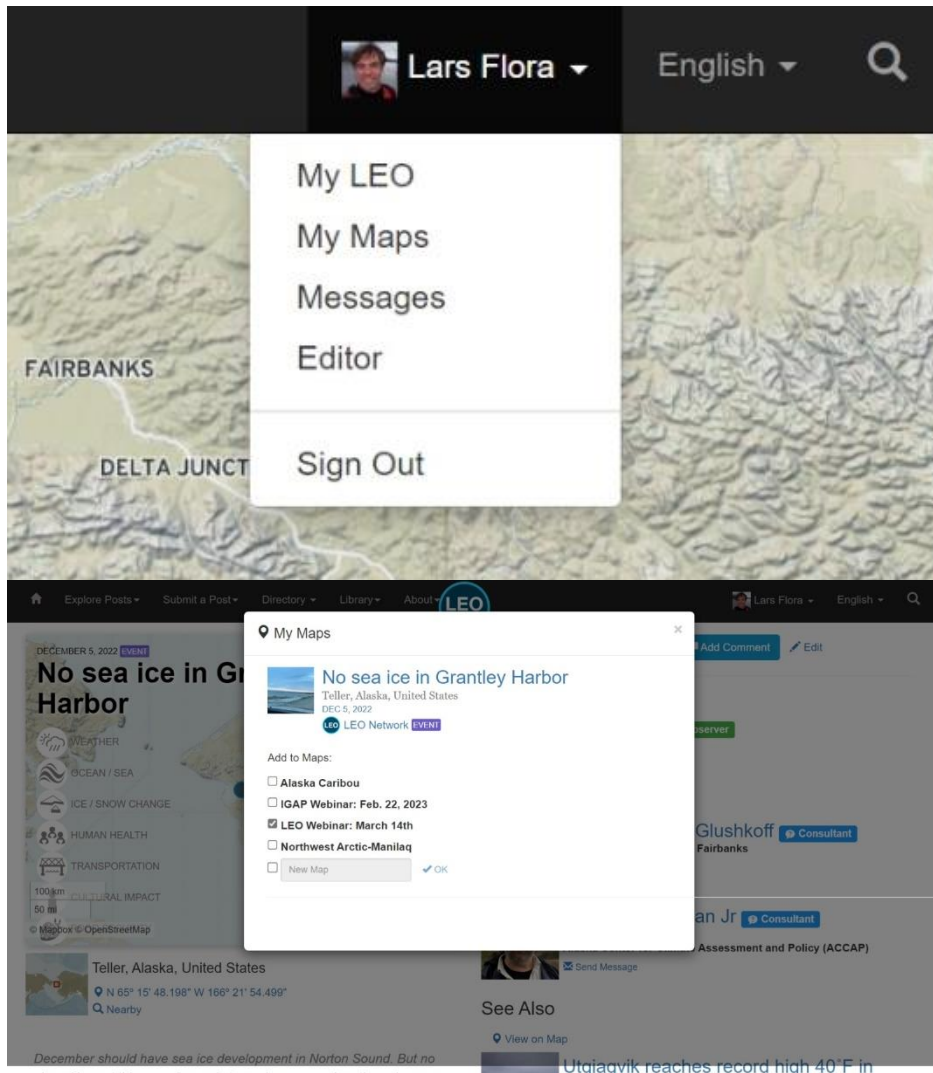
## Tribal and/or Local Health Programs

REGION NUMBER	ORGANIZATION
1	UIC (Barrow)
3	Diomedede, Native Village of
4	Kwinhagak, Native Village of Akiachak Native Community
6	St. George Traditional Council
8	Karluk, Native Village of
9	Southcentral Alaska • Eklina, Native Village of • Ninilchik Village Traditional Council • Seldovia Village Tribe • Chickaloon Village Traditional Council • Knik Tribal Council • Tyonek, Native Village of • Kenaitze Indian Tribe, IRA
10	Valdez Native Tribe Eyak, Native Village of
11	Chitina Traditional Council
13	Hoonah Indian Association Yakutat Tlingit Tribe
14	Ketchikan Indian Corporation
15	Metlakatla Indian Community
17	Council of Athabascan Tribal Governments

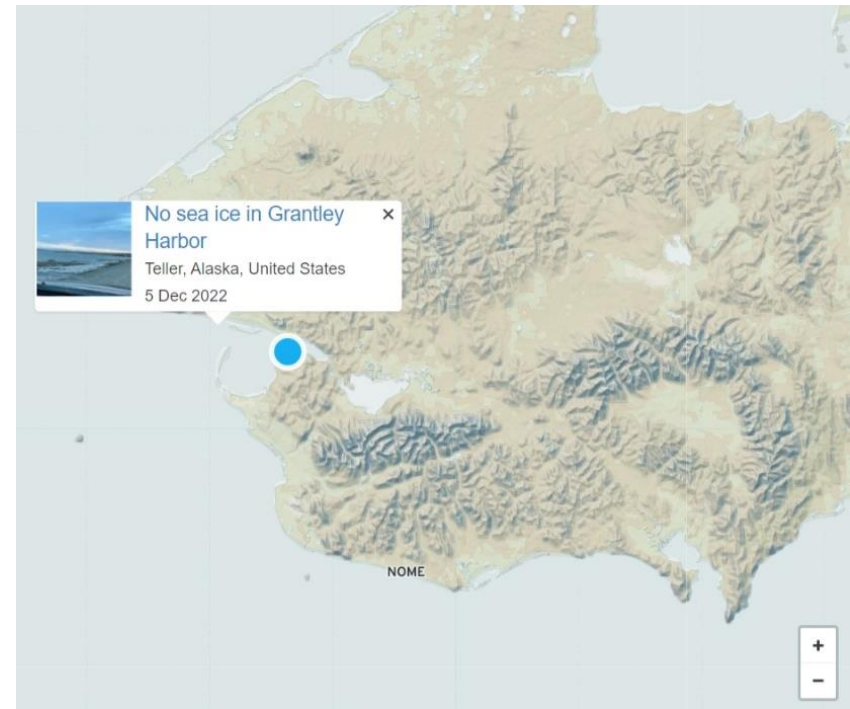
Relative Size of Alaska and the Contiguous United States



# LEO members can add specific observations of interest to their own maps.







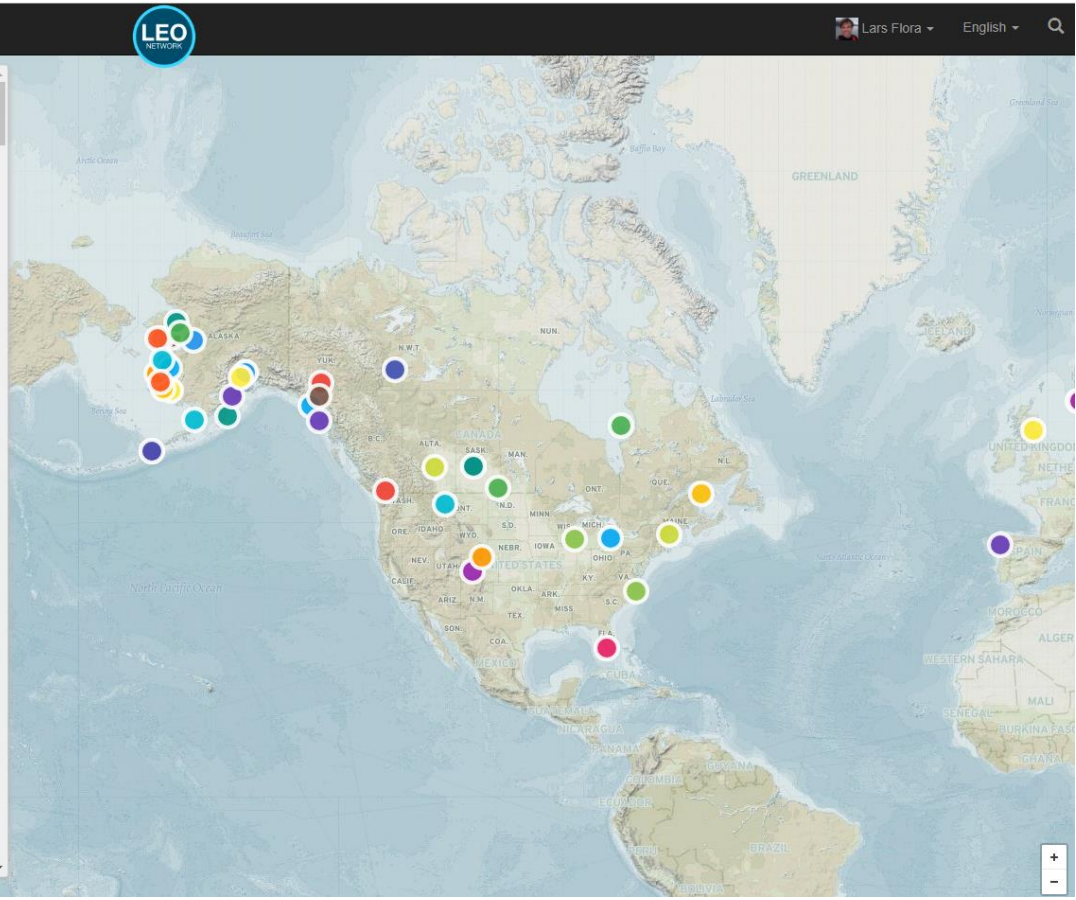
**You may add observations to your map from the using the + My Maps icon, found on the observation preview**



### One Health

Share Settings Search/Filter Stats Thumbnails Contributors

-  **Skunks found dead in Metro Vancouver had avian flu: government**  
Vancouver, British Columbia, Canada  
MAR 13, 2023  
Eight skunks found dead last month in Vancouver and Richmond tested positive for avian flu.  
[vancouversun](#) **EVENT**
-  **Dead fish and bad air from algae bloom**  
Fort Myers, Florida, United States  
FEB 28, 2023  
There are miles of dead fish washing up on the beach. That's not all. Just breathing the air can be harmful.  
[LEO Network](#) **EVENT**
-  **Avian Influenza, 'Bird Flu,' linked to deaths of black bear and mountain lion in Colorado**  
Gunnison, Colorado, United States  
FEB 10, 2023  
The highly pathogenic avian influenza (HPAI), commonly known as the bird flu, has now been linked to other animals across the state.  
[KRDO](#) **EVENT**
-  **First known epidemic of highly pathogenic avian influenza H5N1 in farmed mink**  
Galicia, Spain  
JAN 23, 2023  
Highly pathogenic avian influenza (HPAI) A(H5N1) is a strain of the avian influenza virus that primarily affects birds, particularly poultry. It has been detected in farmed mink.  
[News-Medical.net](#) **EVENT**



Create a Map and click on **My Map** from the Dropdown menu under Profile Name.

The image shows a screenshot of the LEO Network website interface. At the top, there is a navigation bar with links for 'Explore Posts', 'Submit a Post', 'Directory', 'Library', and 'About'. The LEO Network logo is centered in the top bar. On the right side of the top bar, the user profile 'Lars Flora' is displayed with a dropdown arrow, and the language is set to 'English'. A search bar is located in the top right corner.

Below the navigation bar, there is a section for the 'Local Environmental Observer (LEO) Network'. It features a row of small images representing various environmental observations. Below the images, there is a text prompt: 'LEO Network members share unusual environmental events that help us understand our changing world. Please join us and contribute your observations or news articles.' A search input field with the placeholder text 'search' and an 'Advanced Search' button is positioned below the text.

The main content area is a map of the Arctic region, showing the Beaufort Sea, Chukchi Sea, and parts of Alaska and Canada. Numerous blue circular markers are scattered across the map, indicating observation locations. Labels for 'POINT HOPE', 'ALASKA', 'DELTA DIVISION', 'NOME', 'WHITBY BAY', and 'BARROW' are visible on the map. A zoom control with '+' and '-' buttons is located in the bottom right corner of the map.

Two dropdown menus are open. The first is located in the top right corner, under the user profile 'Lars Flora', and contains the following options: 'My LEO', 'My Maps' (which is highlighted), 'Messages', 'Editor', and 'Sign Out'. The second dropdown menu is located in the bottom left corner, also under the user profile 'Lars Flora', and contains the same options: 'My LEO', 'My Maps', 'Messages', 'Editor', and 'Sign Out'.



Explore Posts ▾

Submit a Post ▾

Directory ▾

Library ▾

About ▾



MY LEO

MY MAPS

## My Maps

[+ Create Map](#)

Name

Description

[✓ Save](#)





Explore Posts ▾

Submit a Post ▾

Directory ▾

Library ▾

About ▾



MY LEO

MY MAPS

# 2023 Maniilaq

Map Settings

Posts

Data Layers

Collaborators

[View Map](#)

## Name

2023 Maniilaq

## Privacy

Private ▾

## Description

Year End Review of Observations and media events/articles

Default Pin Color

Posts added to this map will have this color by default. Set to "none" for automatic coloring.

Save

Cancel

Delete



Explore Posts ▾

Submit a Post ▾

Directory ▾

Library ▾

About ▾



Lars Flora ▾

English ▾



⚙ Map Settings

📍 Posts

☰ Data Layers

👤 Collaborators

🗺 View Map

⚙ order and color options

### Sort Order

Sort posts manually by dragging or sort by date:

Ascending

Descending

### Color

Set colors manually or:

Single Color ▾

By Season

By Year ▾

By Date ▾



Very Late Foliage



High water around Kotzebue



A year after the Merbok Storm: Impacts on





Explore Posts ▾

Submit a Post ▾

Directory ▾

Library ▾

About ▾



Lars Flora ▾

English ▾



MY LEO

MY MAPS

# LEO Webinar - December 12th, 2023

⚙️ Map Settings

📍 Posts

📄 Data Layers

👤 Collaborators

🗺️ View Map

search for collaborators

Go

	Edit Settings (name, description, etc.)	Manage Posts	Manage Data Layers	Manage Collaborators
Mike Brook	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Brubaker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

# Create Map by Topic Search

The screenshot shows the LEO Network website's search interface. The browser address bar displays <https://www.leonetwork.org/en/editor#>. The navigation bar includes links for [Explore Posts](#), [Submit a Post](#), [Directory](#), [Library](#), and [About](#), along with the LEO Network logo, user profile for Lars Flora, and language selection for English. A dropdown menu is open under 'Explore Posts', listing options: [Most Recent](#), [Near You](#), [At your Latitude](#), [Advanced Search](#), [Observations From Members](#), and a section for 'Posts by Topic' with categories: [Weather](#), [Ocean / Sea](#), [Plants / Kelp](#), [Human Health](#), and [Buildings](#). The main content area features a 'Search Posts' box, a 'Most Recent Updates' section with a featured article titled 'Submitted for Publishing' by Lars Flora on 12 Jan 2024, and a 'Recent Comments' section with a comment about strawberries.

The screenshot shows search results for 'Salmon | Alaska' on the LEO Network website. The browser address bar displays <https://www.leonetwork.org/en/explore/posts?query=Salmon+%7C+Alaska&mode=list&infotype=EVENT&region=&polygon=&bb...>. The navigation bar is consistent with the previous screenshot. The search results are displayed in a list view, with a search bar containing 'Salmon | Alaska'. A dropdown menu is open, showing options: [List](#), [Map](#), [Stats](#), [Thumbnails](#), [Slideshow](#), [Timeline](#), [Watch These Results](#), [Add to map](#), [Share Search Results](#), [Download Search Results](#), [Embed](#), and [Search Engine Help](#). The first search result is titled 'Cold, wet weather delays peony harvest in Southcentral Alaska', dated 13 JUL 2023, with a location of Willow, Alaska, United States. The text of the article states: 'Alaska is one of the only places in the world where peony growers grow in the summer months. But the unusually cold, wet weather this year is delaying the blooms by weeks.'

List Map Stats ...

Salmon | Pinks

Topics: All Date: Any Region: Entire World Type: Member Observations

Your search has 191 results, but you can only add the first 100 to your maps. Consider narrowing your search by specifying more search terms.

### Select Posts

- So Many Pinks (*Oncorhynchus gorbuscha*!)
- A Poor Year for Pink Salmon (*Oncorhynchus gorbuscha*)
- Lots of Dead Female Pink (*Oncorhynchus gorbuscha*) Salmon

Add >

### Add Selected Posts to Maps

- 2023 Maniilaq
- Alaska Caribou
- Alaska Transportation and Beyond

List Map Stats ...

Salmon | Pinks

Topics: All Date: Any Region: Entire World Type: Member Observations

Your search results will be limited to the geographical range you specify here.

📍 Limit search results to... or  Don't limit by geography

Alaska

Cancel

← → ↻ https://www.leonetwork.org/en/explore/posts?query=Salmon+%7C+Pinks&mode=map&infotype=OBSERVATION&region=&polygon=&...

Explore Posts ▾ Submit a Post ▾ Directory ▾ Library ▾ About ▾ **LEO NETWORK** Lars Flora ▾ English ▾ 🔍

← hide

List Map Stats ... ▾

Salmon | Pinks

Topics: All ▾ Da

Type: Member Obs

So Many (Oncorhynchus) Sand Point, Alaska

- 🖼️ Thumbnails
- ▶ Slideshow
- 🕒 Timeline
- 👁️ Watch These Results
- + Add to map
- ➔ Share Search Results
- 📄 Download Search Results
- ✂️ Embed
- 🔍 Search Engine Help

← → ↻ https://www.leonetwork.org/en/lists/show/E3F28D8A-2056-4E2F-9CCE-3BAEA9179292#lat=65.36033294890632&lng=-195.533197896745...

Explore Posts ▾ Submit a Post ▾ Directory ▾ Library ▾ About ▾ **LEO NETWORK** Lars Flora ▾ English ▾ 🔍

← hide

Pink Salmon

← Previous Index Thumbnails Next →

AUGUST 22, 2020 EVENT

## Low Water and Few Fish

🌊 🐟 🍷 🐠

Low Water and Few Fish  
Elim, Alaska, United States  
22 Aug 2020

Explore Posts - Submit a Post - Directory - Library - About

**Background Articles**  
Search our collection of background (non-event) articles from news media, science journals and other sources.

**Northern Climate Observer Newsletter**  
NCO tracks news coverage from across the circum-polar north and provides readers with a curated roundup of climate change related events.

**Webinar Recordings**  
Search the archive of LEO Network webinar recordings.

**News Sources**  
Browse some of the local news sources that frequently appear in LEO.

**One Health Group**  
The One Health Group was started in 2013 as a forum to raise awareness about emerging One Health issues in Alaska as well as neighboring northern regions.

**LEO Community Data Portal**  
The Community Data Portal is a collection of public datasets that can be browsed from the point of view of a community. These datasets are frequently used in LEO posts.

**Maps from Members**  
A collection of curated maps contributed to LEO by members.

System - Membership - News - Resources

Approved

350

216

110

796

12

Home

ANTHC

APU

Informational Articles

Learning Center

Recent Updates

Event Observation | APU | Funding Notice  
Transferred by Mike Brook on 16 Jan 2024  
**Summer Flowers blooming in January**  
Bellevue, Texas, United States  
JAN 11, 2024

Event Article | Home | Funding Notice  
Published by Mike Brook on 16 Jan 2024  
**Storm brings historic coastal flooding, high winds to Maine**  
Portland, Maine, United States  
JAN 13, 2024  
Portland Press Herald | EVENT

Event Observation | Home | Funding Notice  
Submitted to Hub by Mike Brubaker on 10 Jan 2024  
**Coral bleaching new area**  
JAN 10, 2024

Background Article | ANTHC | Submitted by Publications  
Media Updated by Mike Brook on 15 Jan 2024  
**Tribes request federal consultation over Graphite One**  
Nunavut, Alaska, United States  
JAN 12, 2024  
The Nome Nugget | BACKGROUND

Recent Comments

Can I safely eat the strawberries I picked?  
"Good Afternoon Hadine, Thanks for asking some really good questions. There is still a lot we do not know about PFAS and there currently no consumption guidelines for PFAS in Alaska, but here is some information to help you decide. In general, we know plants can be contaminated with PFAS when grown in PFAS-contaminated soil or watered with PFAS-contaminated water. However, the amount of PFAS in fruits and vegetables depends on factors such as the level of PFAS in the water or soil and the type of plant or crop. In 2019, there was an assessment of strawberries grown in an Alaskan community with known PFAS. The strawberries were watered with well water known to be contaminated with PFAS and one of those berries was found to contain a small amount of PFOA, which is a type of PFAS (the strawberry contained 0.22 ppt of PFOA). The Department of Health looked at the potential health risk for children and adults and "determined the hazard associated with exposure to PFAS through eating vegetables and strawberries grown at the local farm is negligible". Wild berries watered with rain would be a lower risk than berries watered with contaminated ground water. Because we eat a variety of foods, the risk of eating PFAS-contaminated food is thought to be low. This is different from the higher concern of contaminated drinking water because we often drink from the same water source all day, every day, but our food is more diverse. The State of Alaska states: "Ultimately, exposure to PFAS through produce is not likely to be substantial compared to other exposure routes, like drinking contaminated water." A final note: wild berries are a great source of physical, cultural, and spiritual benefits - keeping your diet and harvest locations varied, as well as washing off any berries that you collect, are great ways to minimize any potential risk. A few useful resources will be linked to this post for additional information."  
Sarah Yoder on Sep 5, 2023







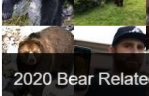



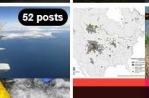

Rain continues to impact Noatak River  
"9/7/23 8:00am, we are going through another high water alert from the weather station. Active Weather Alerts SPECIAL WEATHER STATEMENT ISSUED: 2:45 PM SEP 6, 2023 - NATIONAL WEATHER SERVICE. High River Levels This Week. High river levels will continue this week on the Kobuk and Noatak Rivers, and rivers on the Seward Peninsula. Heavy rain that fell Tuesday night through Wednesday night is causing the high water. No flooding is expected at this time, but people camping and boating along rivers should be alert for rising water and increased debris in the rivers."  
Jeffrey Luther on Sep 7, 2023

Sahara dust in the Caribbean

## Maps From Members

search

1 - 13 of 13

 2019 LEO Year in Review 30 posts	 2019 Marine Mammal Stranding 18 posts	 2019-2020 Observations of Forest Health 27 posts
 2020 Bear Related Posts 7 posts	 Anchorage Climate Event Almanac 142 posts	 Bering and Chukchi Sea Observations, 2019 18 posts
 Bering Sea 62 posts	 Chronic Wasting Disease in the Arctic 1 post	 Harmful Algal Blooms (ALL) 13 posts
 28 posts	 143 posts	 14 posts

# Demonstration

[www.leonetwork.org](http://www.leonetwork.org)



*LEO: The Local Environmental Observer Network* | [www.leonetwork.org](http://www.leonetwork.org)



ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM



# Activity

# Mapping a topic

Create a LEO Map



*LEO: The Local Environmental Observer Network* | [www.leonetwork.org](http://www.leonetwork.org)



ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM

# LEO Training

## Mapping a topic: Create a LEO Map



*LEO: The Local Environmental Observer Network* | [www.leonetwork.org](http://www.leonetwork.org)



ALASKA NATIVE  
TRIBAL HEALTH  
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# Discussion

# Mapping a topic:

Create a LEO Map



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ALASKA NATIVE  
TRIBAL HEALTH  
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# LEO Training

## Making a MyMap

- Present your map: topic, and posts?
- What did you learn in your group?
- What were some barriers or obstacles to your mapping?
- Final thoughts?



LEO: *The Local Environmental Observer Network* | [www.leonetnetwork.org](http://www.leonetnetwork.org)



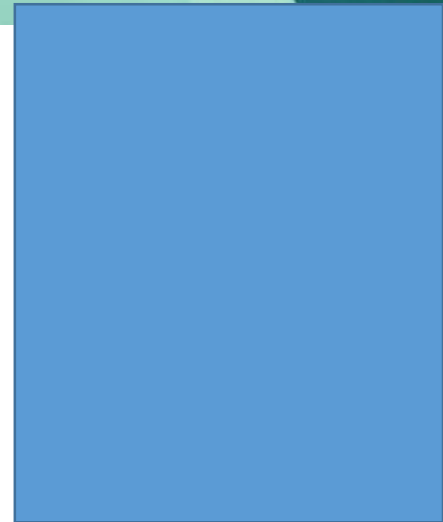
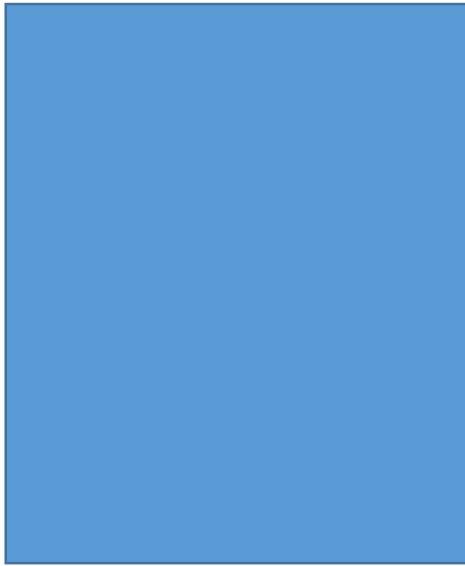
ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM

# LEO in Work Plans



ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM

# The goal of LEO in work plans:



If you have any questions about LEO, or would like to set up a webinar to introduce your community members to LEO, please contact :

Lars Flora  
LEO Network Coordinator  
Alaska Native Tribal Health Consortium

[lflora@anthc.org](mailto:lflora@anthc.org)  
907-729-4003

