

**STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER**

**LAND USE PERMIT APPLICATION**

**AS 38.05.850**

**Applicants must complete all sections of this application. In addition, applicants proposing:**

- the use of the uplands and non marine waters must also complete the Supplemental Questionnaire for Use of Uplands and Non Marine Waters accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.

**Other items that must accompany the completed application are:**

- **a (non-refundable) \$100 application filing fee;**
- a 1:250,000 or 1:63,360 scale USGS map showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

**Completed Land Use Permit Applications should be mailed to one of the following offices:**

**Public Information Center**  
550 W. 7<sup>th</sup> Ave, Suite 1260  
Anchorage, AK 99501  
(907) 269-8400

**Public Information Center**  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2705

**MLW Information Office**  
P.O. Box 111020  
Juneau, AK 99811-1020  
(907) 465-3400

Customer ID (CID) 14148

LAS # 32423

**Applicant Information:**

University of Alaska

Applicant Name			Date of Birth
Doing Business As		Contact Person	EIN
P.O. Box 755280 Fairbanks Alaska 99775-5280		desiegfried@alaska.edu	
Mailing Address with City, State and Zip			Email Address
( ) ( ) ( )	(907) 450-8133	( )	(907) 450-8131
Home Phone	Work Phone	Cell Phone	FAX

If you are applying for a corporation, give the following information:

Name, address and place of incorporation: \_\_\_\_\_

Is the corporation qualified to do business in Alaska? Yes ☒ No ☐. If yes, provide name, address and phone number of resident agent: \_\_\_\_\_

**Type of User, Select one:** ☐ Private non-commercial (personal use) ☐ Commercial Recreation or Tourism  
☒ Public Non-profit including Federal, State, Municipal Government Agency ☐ Other commercial or industrial

**Duration of Project:** The proposed activity will require the use of state land for: (Check one)

☐ a single term of less than one year. Beginning month: \_\_\_\_\_ Ending month: \_\_\_\_\_

☒ a multi year term for up to 5 years. Beginning year: 7/20/2018 Ending year: 7/20/2023

If multi year and seasonal, circle months of use in each year. Jan., Feb., Mar., Apr., May, Jun., Jul., Aug., Sept., Oct., Nov., Dec.

**Project Location**Latitude/Longitude or UTM: 70.2041N, 147.7012W or       Section: S24, Township: T10N, Range: R17E, Meridian: UMIAT

(The spaces below are to be used if the boundaries of the proposed project cross section lines.)

       Section:       , Township:       , Range:       , Meridian:              Section:       , Township:       , Range:       , Meridian:       Proposed project will require the use of up to        acres. (Add additional sheets as necessary)**Project Description** - Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable water bodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)Installation of a temporary weather station to monitor coast conditions (wind, temperature humidity and barometricInstallation of a temporary weather station to monitor coast conditions (wind, temperature humidity and barometricguy wires and shallow ground anchors. Data will be collected as part of a BOEM funded , University of Alaska ledproject to gather data to improve coastal storm and erosion models. A single tripod of 5'x5'x8' (LxWxH) would bedeployed year round and data available in real time via satellite transfer. A Sun Xtender PVX-1040T Non spillable AGM12V, 104Amp-hr battery and solar panel will be used to power the system. The battery will be house in a NEMA ratedweather enclosure mounted on the tripod.Should a portion of the permitted area be closed to the general public? Yes ☐ No ☒ If yes, explain which portion and provide justification for exclusive use:**Site Description** - Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination (If significant, we recommend you provide pictures to establish initial conditions):The proposed site is remote coastal tundra that has no current development. There are no signs of debris or trashAre there improvements or materials on the site now? Yes ☐ No ☒ If yes, briefly describe the improvements, their approximate value, and who owns them (We recommend you provide pictures of improvements):

**Site Description continued** - Describe the natural vegetation --- ground cover, trees, shrubs --- and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.  
The weather station will be deployed on tundra

**Site Access** - Describe how you plan to access the site, and your mode of transportation.

Access to the site will be via boat from West Dock out of Prudhoe Bay through Foggy Island Bay

If your access is by aircraft, specify the type and size of aircraft: \_\_\_\_\_

To access the site, the aircraft is equipped with floats ☐ wheels ☐ skis ☐.

**Number of people**

1. Indicate the number of employees and supervisors who will be working on the site. 2
2. Indicate the number of customers who will be using the site per year or season. 00
3. Indicate the number of days the site will be used per year or season. 0

**Environmental Risk / Hazardous Substances** - In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? **Yes** ☒ **No** ☐. **If yes,** please describe:

One Sun Xtender PVX-1040T Non Spillable 12V, 104A-Hr battery will be transported and stored at the site. The battery will be stored in a NEMA rated enclosure

The types and volumes of fuel or other hazardous substances present or proposed: N/A

The specific storage location(s): Attached to the weather station

The spill plan and prevention methods: The battery will be stored in a NEMA rated weather resistant enclosure

**Environmental Risk/Hazardous Substances (continued)** - If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located? N/A

What will be stored in the container? N/A

What will be the container's size in gallons? N/A

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:

Will the container be tested for leaks? **Yes** ☐ **No** ☐

Will the container be equipped with leak detection devices? **Yes** ☐ **No** ☐. **If no**, describe: N/A

Do you have any reason to suspect, or do you know if the site may have been previously contaminated? **Yes** ☐ **No** ☐. **If yes**, please explain:

N/A

Date Stamp:

**Nicholas Konefal**  
Digitally signed by Nicholas Konefal  
DN: cn=Nicholas Konefal, o=ou,  
email=nkonefal@alaska.edu, c=US  
Date: 2018.06.18 13:10:09 -08'00'

Research Engineer

Signature of Applicant or Authorized Representative

Title

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made part of the state public record and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested.) Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit is punishable under AS 11.56.210.

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER

☐ **Contract Administration**  
550 W 7th Ave., Suite 640  
Anchorage, AK 99501-3576  
(907) 269-8594

☐ **Northern Region**  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2740

☐ **Southcentral Region**  
550 W 7th Ave., Suite 900C  
Anchorage, AK 99501-3577  
(907) 269-8552

☐ **Southeast Region**  
P.O. Box 111020  
Juneau, AK 99801  
(907) 465-3400

**APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE**

The purpose of this questionnaire is to help clarify the types of activities you propose to undertake. The questions are meant to help identify the level of environmental risk that may be associated with the proposed activity. The Division of Mining, Land and Water's evaluation of environmental risk for the proposed activity does not imply that the parcel or the proposed activity is an environmental risk from the presence or use of hazardous substances.

Through this analysis, you may become aware of environmental risks that you did not know about. If so, you may want to consult with an environmental engineer or an attorney.

University of Alaska

Applicant's Name		Doing Business As	
PO Box 755280		Fairbanks	AK 99775-5280
Address		City	State Zip
( ) (907) 450-8133		Dian Siegfried	
Message Phone	Work Phone	E-Mail	Contact Person

Describe the proposed activity:

Installation of a temporary weather station to monitor coast conditions (wind, temperature humidity and barometric

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project to gather data to improve coastal storm and erosion models. A single tripod of 5'x5'x8' (LxWxH) would be

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deployed year round and data available in real time via satellite transfer. A Sun Xtender PVX-1040T Non spillable AGM

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~~12V, 120Amp-hr battery and solar panel will be used to power the system. The battery will be house in a NEMA rated~~

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weather enclosure mounted on the tripod.

In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes ☐ No ☒

If yes, please list the substances and the associated quantities. Use a separate sheet of paper, if necessary.

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A Sun Xtender PVX-1040T Non spillable 12V 104A-hr battery will be used to power the station and stored in a

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NEMA weather resistant enclosure

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If the proposed activities involve any storage tanks, either above or below ground, address the following questions for each tank. Please use a separate sheet of paper, if necessary, and, where appropriate, include maps or plats:

a. Where will the tank be located? N/A

b. What will be stored in the tank? N/A

c. What will be the tank's size in gallons? N/A

d. What will the tank be used for? (Commercial or residential purposes?) N/A

e. Will the tank be tested for leaks? N/A

f. Will the tank be equipped with leak detection devices? Yes ☐ No ☐. If yes, describe: N/A

Do you know or have any reason to suspect that the site may have been previously contaminated? Yes ☐ No ☐.

If yes, please explain: N/A

I certify that due diligence has been exercised and proper inquiries made in completing this questionnaire, and that the foregoing is true and correct to the best of my knowledge.

\_\_\_\_\_  
Applicant

\_\_\_\_\_  
Date

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Project Overview  
North Slope Weather Station  
University of Alaska Fairbanks

Project Description:

BOEM funded “Wave and Hydrodynamic Modeling within the Nearshore Beaufort Sea” project to collect wave, weather and erosion data to improve modeling. For this research project the University of Alaska Fairbanks, Institute of Northern Engineering would like to install a temporary Campbell Scientific weather station near the coast of Foggy Island bay outside of Prudhoe Bay, AK (70.20425 N, 147.7008 W) shown in Figure 1. The weather station will be approximately 5’ in diameter and 8’ in height. The system will include sensors to collect wind, temperature, relative humidity and barometric pressure data along with a camera system shown in figure 2. The system will also include an iridium package to transmit data remotely via satellites. The deployment site will be assessed via boat out of West Dock, Prudhoe Bay and will remain deployed year round.

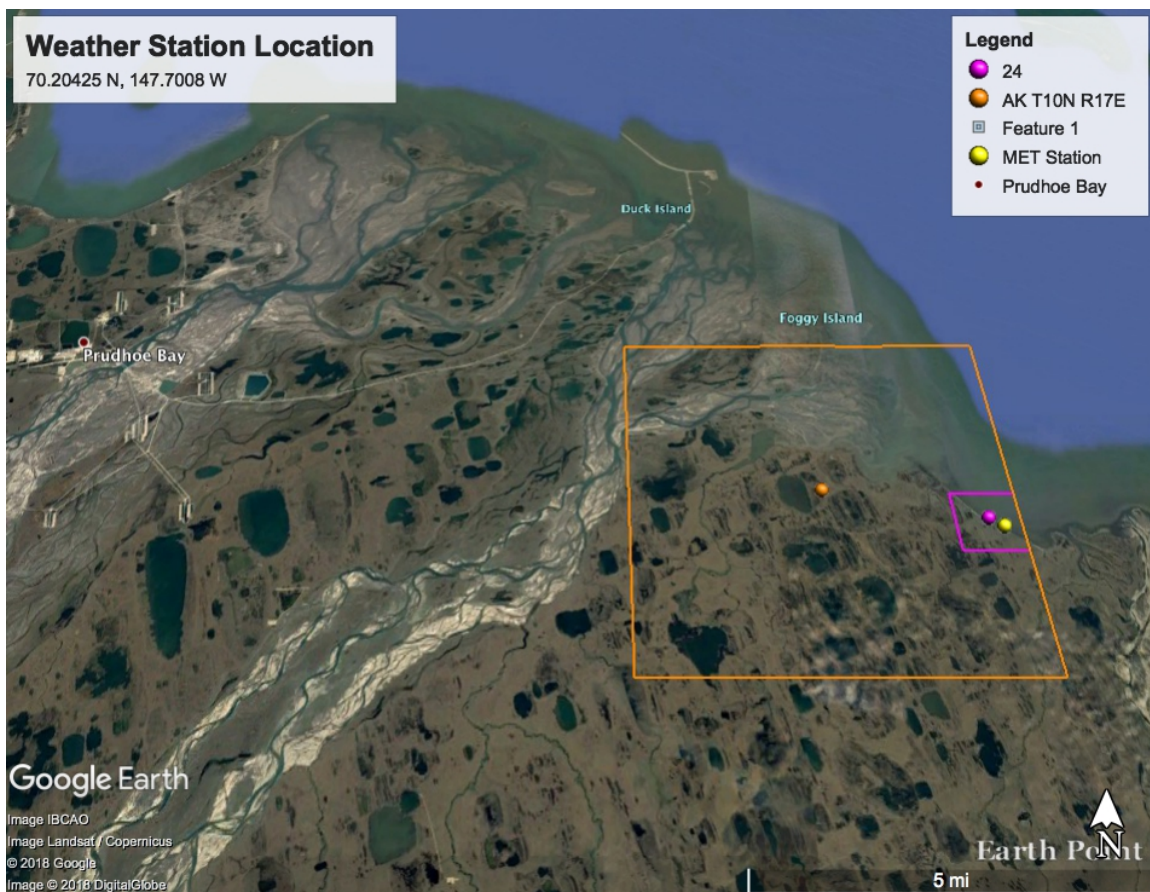


Figure 1: Site Map



Figure 2. Proposed Weather Station.



U. of Alaska Fairbanks  
Weather Station  
Latitude 70.2041N  
Longitude 147.7012W

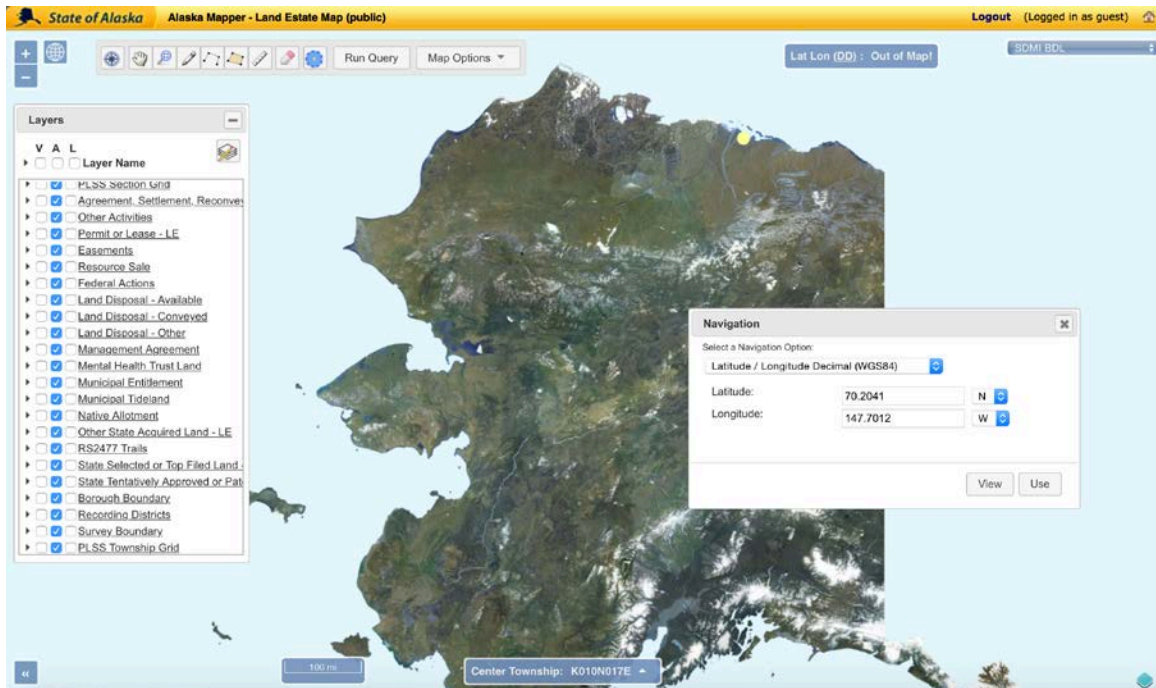


Figure 1: Large Alaska Map with Weather Station Location

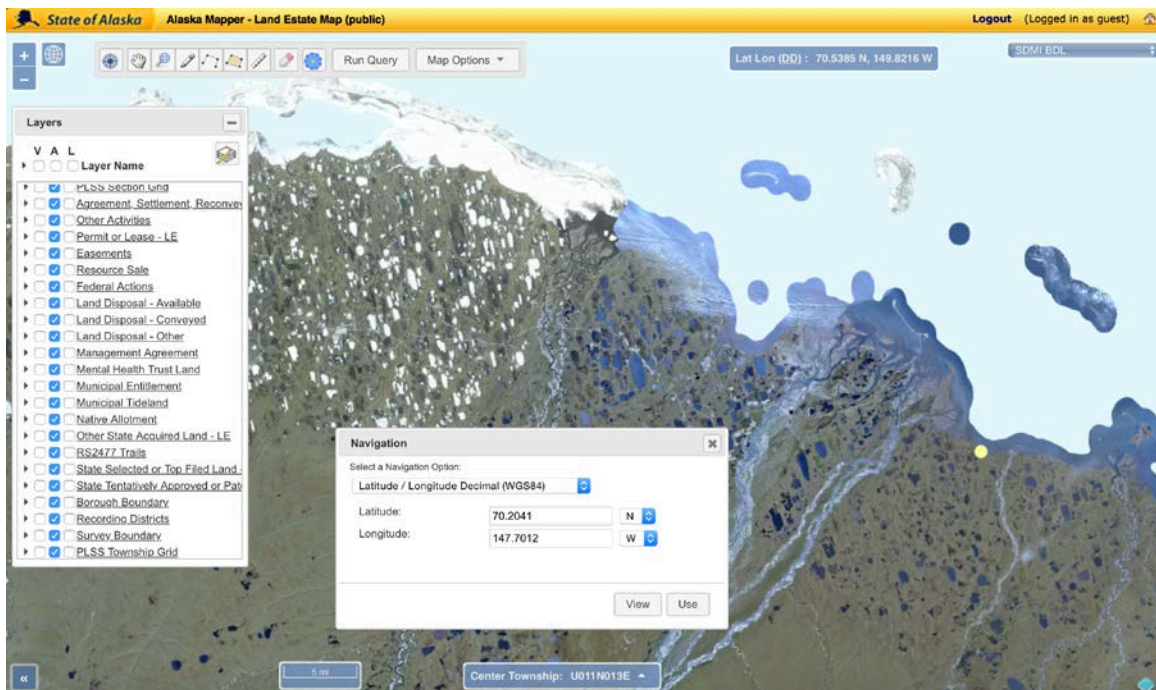


Figure 2: North Slope with Weather Station Location

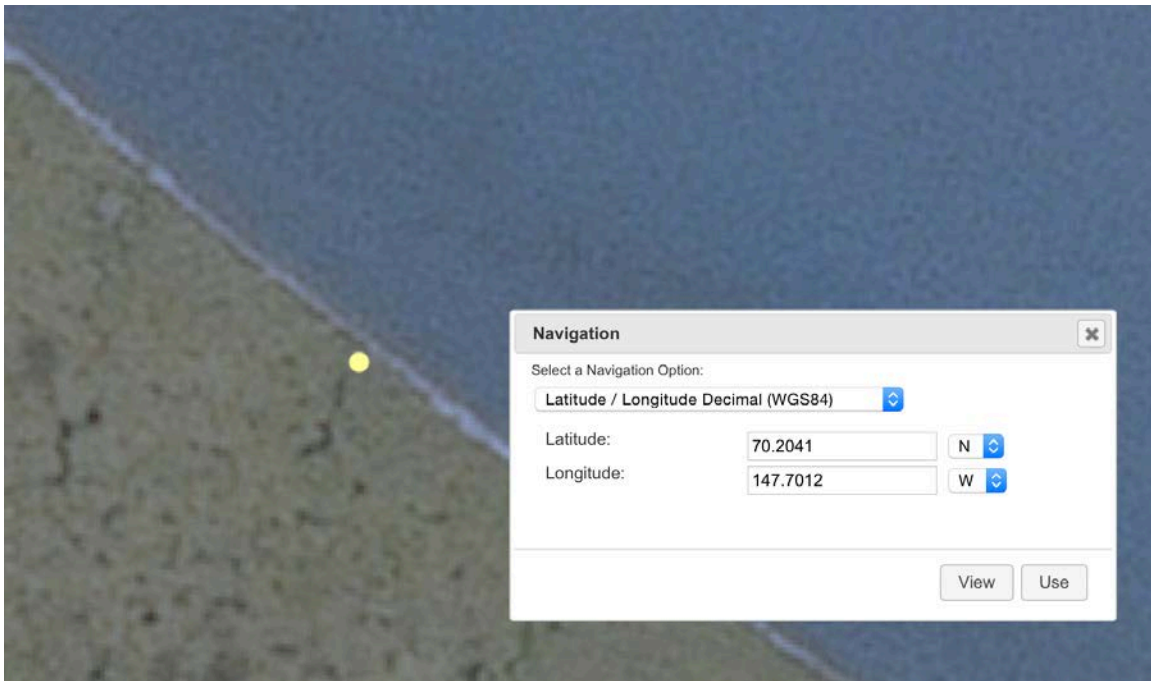


Figure 3: Weather Station Location Summer

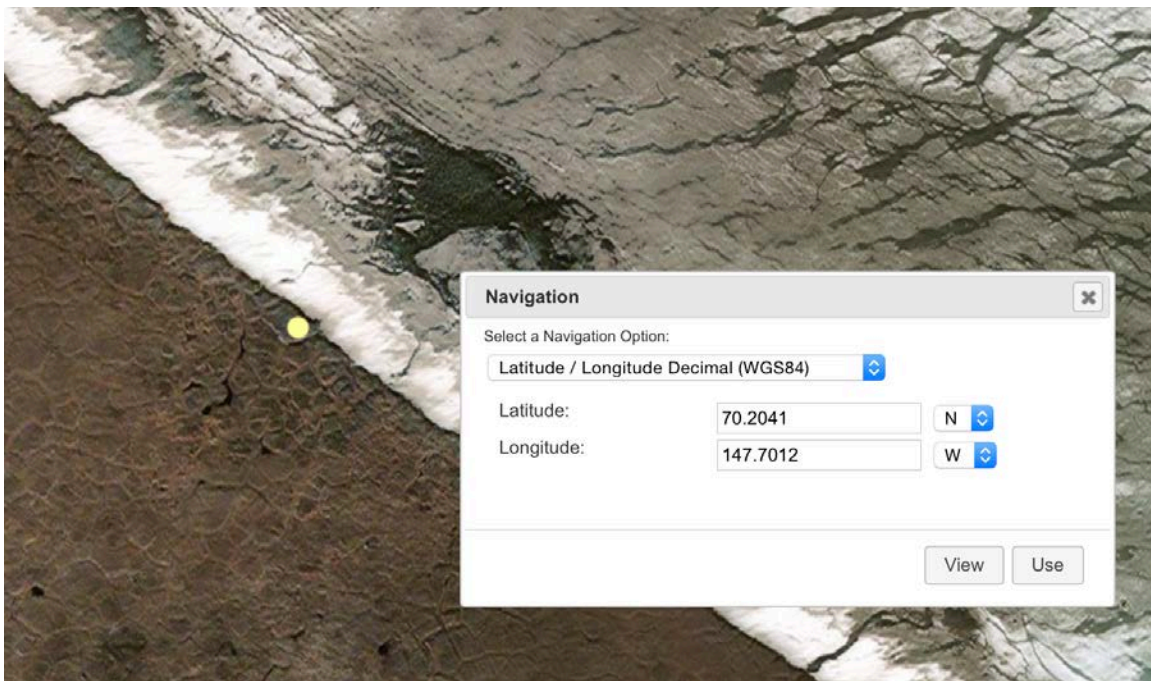


Figure 4: Weather Station Location with Ice Cover