

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

LAND USE PERMIT APPLICATION

AS 38.05.850

Receipt Types: 7A – Application for Authorization, except
RR – Application for Authorization on Recreational Rivers System

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) application fee**; see current Director's Fee Order for applicable fees;
- 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. 7th Ave, Suite 1360
Anchorage, AK 99501
(907) 269-8400

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

MLW Information Office
400 Willoughby, #400
P.O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400

LAS # 33971

| | | | |
|--|--|--|---|
| Applicant Information: | | | |
| Applicant Name <div style="background-color: black; width: 100%; height: 1.2em;"></div> | | Date of Birth <div style="background-color: black; width: 100%; height: 1.2em;"></div> | |
| Doing Business As NOAA | | Contact Person <div style="background-color: black; width: 100%; height: 1.2em;"></div> | |
| Mailing Address with City, State and Zip <div style="background-color: black; width: 100%; height: 1.2em;"></div> | | EIN <div style="background-color: black; width: 100%; height: 1.2em;"></div> | |
| Home Phone <div style="background-color: black; width: 100%; height: 1.2em;"></div> | Work Phone <div style="background-color: black; width: 100%; height: 1.2em;"></div> | Cell Phone <div style="background-color: black; width: 100%; height: 1.2em;"></div> | FAX <div style="background-color: black; width: 100%; height: 1.2em;"></div> |
| 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 <input type="checkbox"/> No <input type="checkbox"/> . If yes, provide name, address and phone number of resident agent: _____ | | | |
| Type of User, Select one: <input type="checkbox"/> Private non-commercial (personal use) <input type="checkbox"/> Commercial Recreation or Tourism | | | |
| <input checked="" type="checkbox"/> Public Non-profit including Federal, State, Municipal Government Agency <input type="checkbox"/> 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: 2022 Ending year: 2025

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 ① 70.085450N, -148.570160W ② 69.919430, -148.764280 ③ 70.025680, -148.657280
Latitude/Longitude or UTM: _____ or _____

Section: _____, Township: _____, Range: _____, Meridian: _____

(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.)

At each site a small (10' tall) research meteorological tower will be installed. A photo of the tower installed previously at the first location in 2013-14 is included here for reference. The site tower ~~into~~ installation take 1-2 days at each location. These sites ~~use~~ will use solar power. We will use cell network or GPS satellite for communication. During the field campaign period of the study, the site will be visited one per week, mainly in summer of 2023.

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):

Unknown

Are 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.

All sites are located in pristine tundra wet sedge. These wet lands have a mixture of water, mosses and herbaceous ground constituting growing season

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

The sites will be accessed by foot if the ground is snowfree. If not, to carry out tower installation, snow machines will be employed.

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. 3
2. Indicate the number of customers who will be using the site per year or season. 0
3. Indicate the number of days the site will be used per year or season. 365 (the meteorological instruments will stay year-round).

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:**

The types and volumes of fuel or other hazardous substances present or proposed: None

The specific storage location(s):

The spill plan and prevention methods:

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?

What will be stored in the container?

What will be the container's size in gallons?

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:**

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:**

Date Stamp: 2/23/2022



Atmospheric Scientist

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 a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). 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 are punishable under AS 11.56.210. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

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
400 Willoughby,
Suite #400
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.

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|---|-------------------|--------|----------------|
| <div style="background-color: black; height: 20px; width: 100%;"></div> | NOAA | | |
| <hr/> | | | |
| Applicant's Name | Doing Business As | | |
| <div style="background-color: black; height: 20px; width: 100%;"></div> | | | |
| <hr/> | | | |
| Address | City | State | Zip |
| <div style="background-color: black; height: 20px; width: 100%;"></div> | | | |
| <hr/> | | | |
| Message Phone | Work Phone | E-Mail | Contact Person |

Describe the proposed activity:

The main objective is to install research meteorological towers (10' tall) to support our research campaign on greenhouse gas measurements in the area. The tower sites will be installed within 1-2 days. Field visits can be frequent during the intensive field campaign in summer of 2023. The solar power will be utilized. and The sites proposed are
① 70.085450N - 148.570160, 69.919430, -148.764280, 70.025680, -148.657280

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.

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? _____

b. What will be stored in the tank? _____

c. What will be the tank's size in gallons? _____

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

e. Will the tank be tested for leaks? _____

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

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

If yes, please explain: _____

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

2/23/2022

Date

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 a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (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 are punishable under AS 11.56.210.

Project Site Locations

Prudhoe Bay

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Site 1

70.085450N; 148.570160W

Site 3

70.025680N; 148.657280W

Site 2

69.919430N; 148.764280W

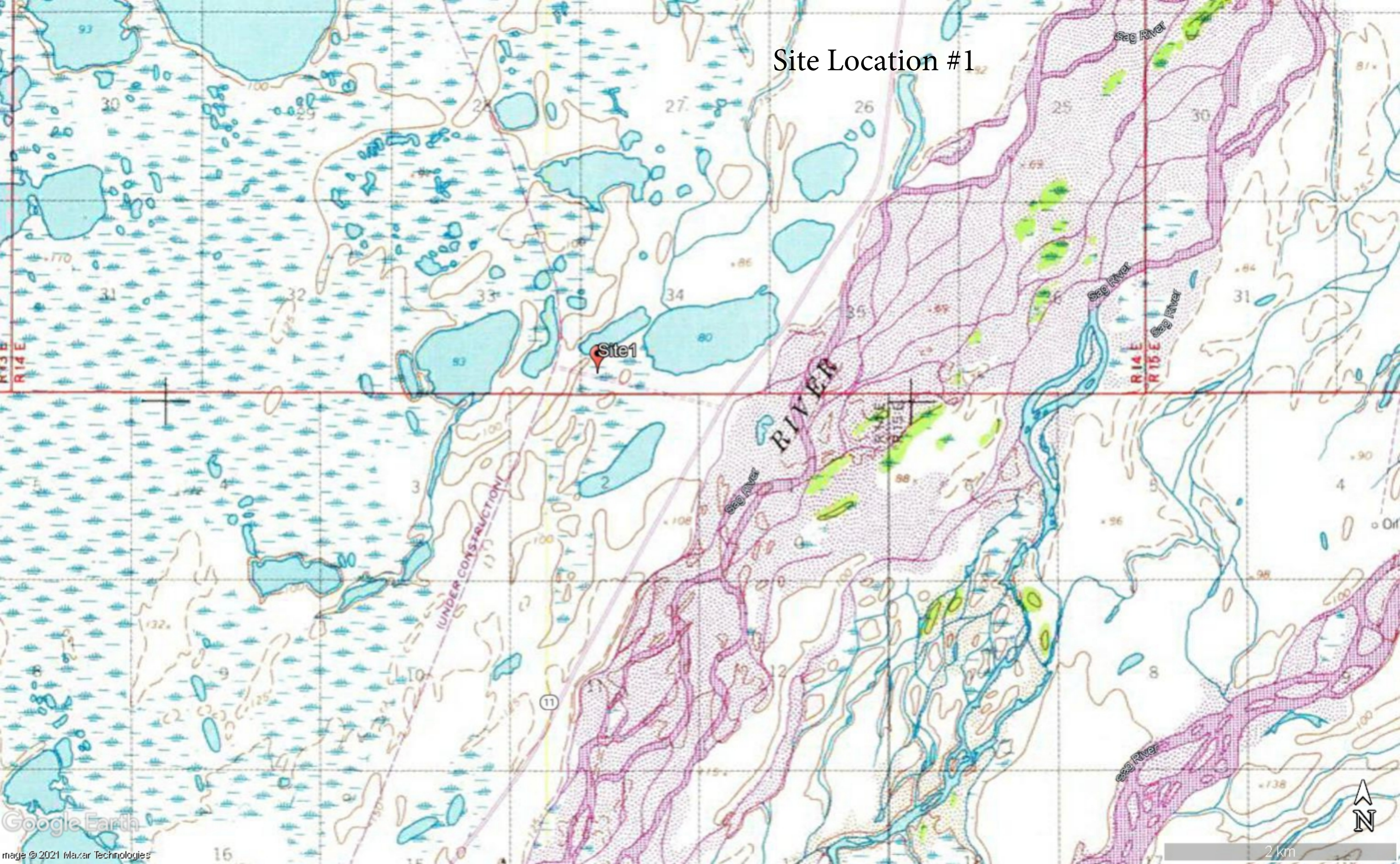
11





Meteorological Tower Setup

Site Location #1

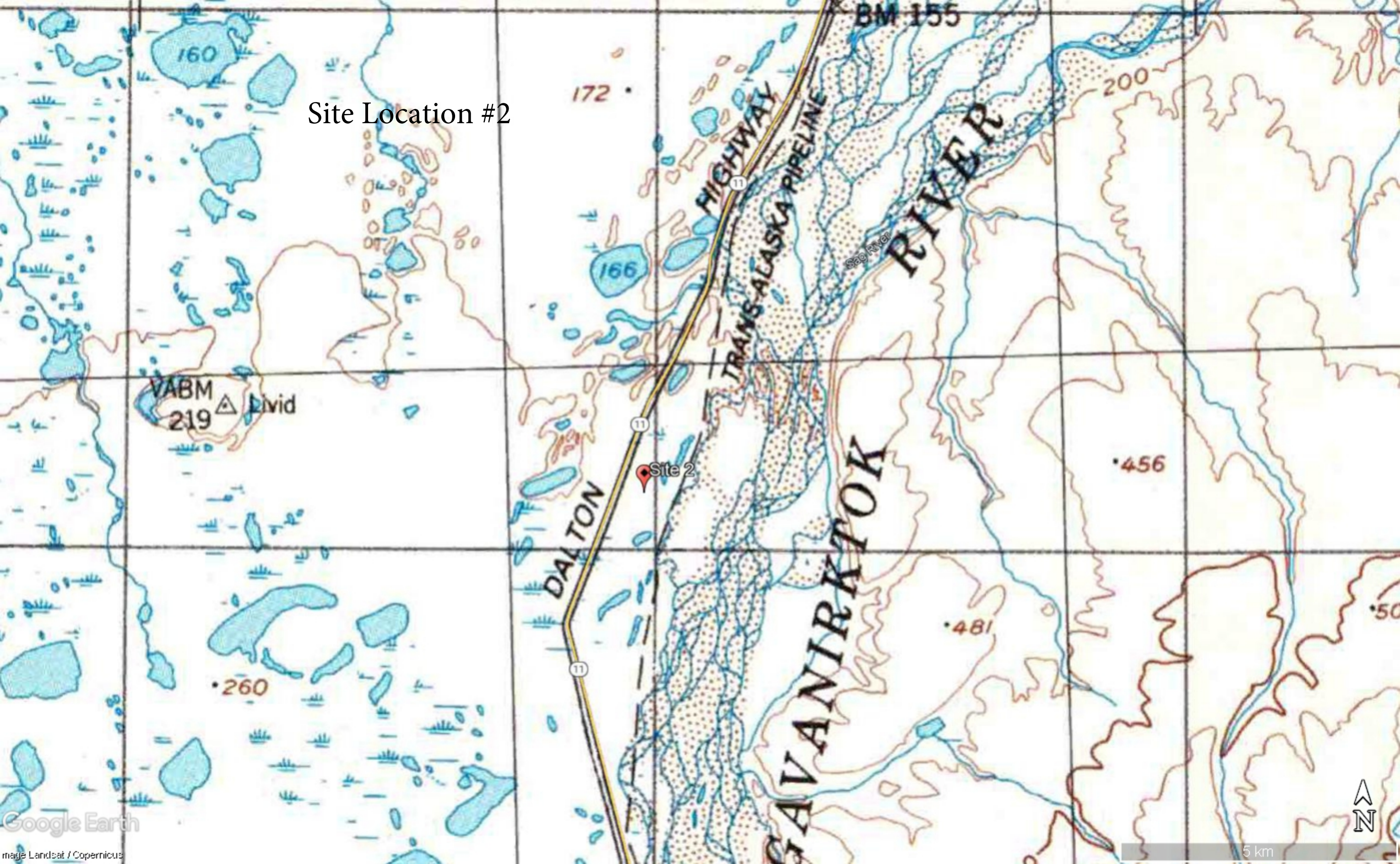


Site Location #1

Site1

Baton Hwy

Site Location #2



Site Location #2

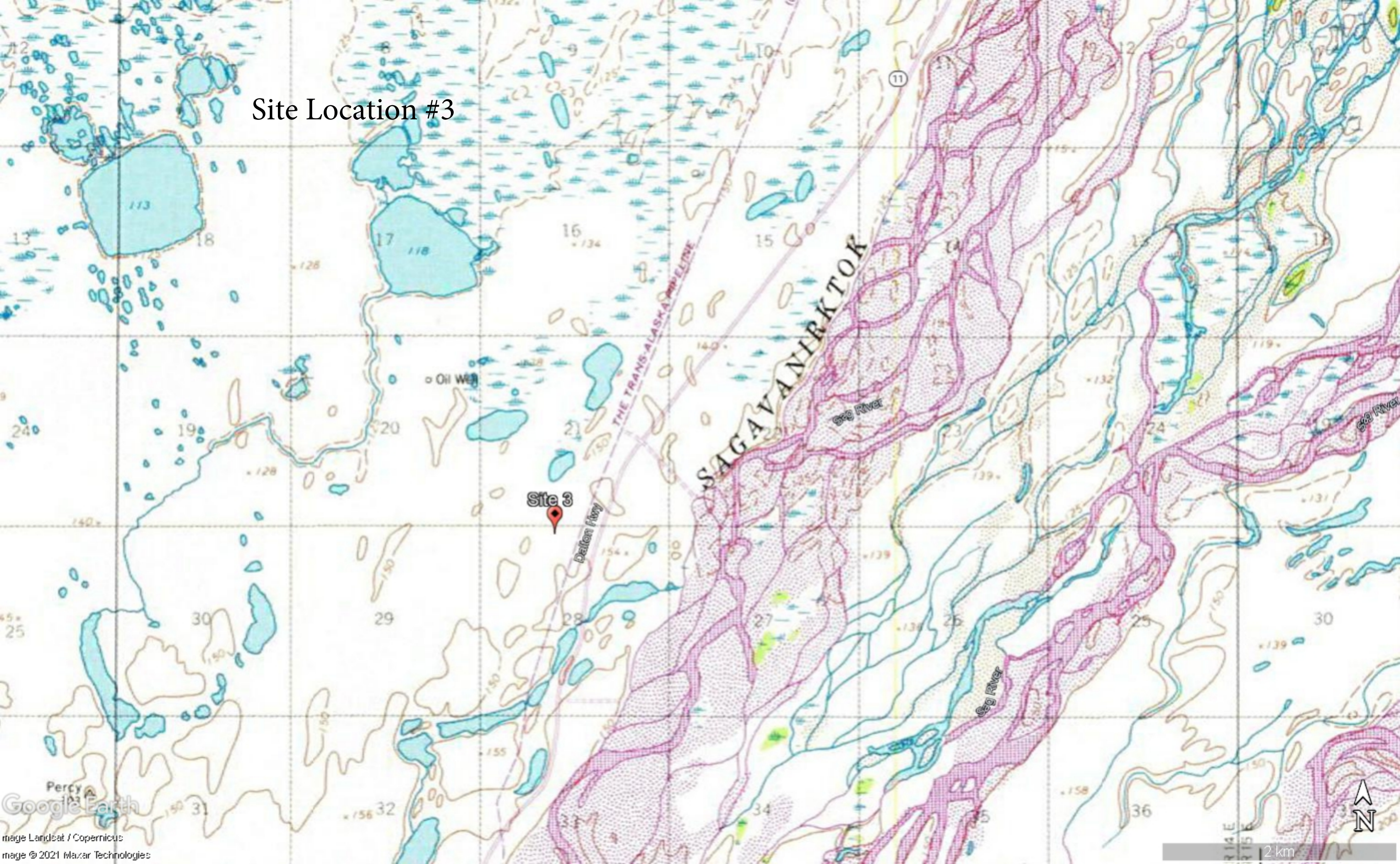
Site 2

Dalton Hwy

Sag River



Site Location #3



Site Location #3

Site 3

Dalton Hwy

Sag River