

Project Dashboard

Tree River Geoscience Project 2022 (149634)

Proposal Status: Conformity Determination Issued

Project Overview

Type of application: **New**

| | |
|-----------------|-----------------------------------|
| Proponent name: | Jesse Reimink |
| Company: | The Pennsylvania State University |

Schedule:

| | |
|-----------------|------------|
| Start Date: | 2022-07-15 |
| End Date: | 2022-07-25 |
| Operation Type: | Seasonal |

Project Description:

Tree River Geoscience Project 2022 Dr. Jesse Reimink Project Location: The area of interest is located within 100 km of 67°38'10.47N, 111°54'7.00W, which is the location of the Plummer's Tree River Outpost fishing lodge. Project description: The proposed project consists of a collaboration between the University of Alberta, and the Pennsylvania State University. This project is focused on reconnaissance sample collection for various graduate student projects. There will be three to five geologists and one float plane pilot staying at the Plummer's Lodge on the Tree River and Kugluktuk, Nunavut. We will take day trips with a Bush Hawk float plane to nearby lakes where the geologists will use small rock hammers to take ~1kg rock samples for scientific research. Water Use and Waste Management: We will be staying at the Plummer's Tree River outpost fishing lodge and be strictly following their water use and waste management protocols. No sewage will be released on site and no materials will be left on site. Predicted Environmental Impacts: The proposed fieldwork will not have any significant impact on wildlife or habitats supporting wildlife. There will be no drilling or mechanical excavation. No power tool will be employed for the collection and transportation of samples.

Personnel:

| | |
|----------|----|
| Persons: | 6 |
| Days: | 10 |

Project Map

List of all project geometries:

| ID | Geometry | Location Name |
|------|----------|-----------------------------|
| 8068 | point | Tree River Lodge Base Camp |
| 8071 | point | Sampling Region of Interest |
| 8072 | polygon | Sampling Region of Interest |
| 8073 | polygon | Sampling Region of Interest |
| 8074 | point | Sampling Region of Interest |
| 8075 | polygon | Sampling Region of Interest |

Planning Regions:

Qikiqtani

Affected Areas and Land Types

Inuit Owned Surface Lands

Settlement Area

Project Land Use and Authorizations

Project Land Use

Bulk Sample

Bulk Sample

Scientific Research

Licensing Agencies

KitlA: 0

NIRB: 0

NWB: 0

NRI: 0

Other Licensing Requirements

No data found.

Material Use**Equipment**

| Type | Quantity | Size | Use |
|---------------------|----------|--------|---|
| Hand hammers | 3 | 1x10x3 | We will use handheld rock hammers to sample basement rocks |
| Bush Hawk on floats | 1 | 1 | We will utilize a BushHawk on floats for transport to and from field areas. |

Fuel Use

| Type | Container(s) | Capacity | UOM | Use |
|---------------|--------------|----------|---------|--|
| Aviation fuel | 2 | 55 | Gallons | Aviation fuel is required for flying to remote locations |

Hazardous Material and Chemical Use

| Type | Container(s) | Capacity | UOM | Use |
|-------------------|--------------|----------|-----|-----|
| No records found. | | | | |

Water Consumption

| Daily Amount (m ³) | Retrieval Method | Retrieval Location |
|--------------------------------|---|---|
| 0 | We will use water for personal hydration only | lakes and streams near sample locations |

Waste and Impacts**Environmental Impacts**

No predicted environmental impacts. We will remove all rock samples that are obtained for laboratory analyses. We will be staying at the Plummer's Tree River outpost fishing lodge and be strictly following their water use and waste management protocols. No sewage will be released on site and no materials will be left on site. The proposed

fieldwork will not have any significant impact on wildlife or habitats supporting wildlife. There will be no drilling or mechanical excavation. No power tools will be employed for the collection and transportation of samples.

Waste Management

| Waste Type | Quantity Generated | Treatment Method | Disposal Method |
|----------------|--------------------|------------------|-----------------|
| No data found. | | | |