



ᓄᓇᓂᓪ ᐃᓴᓂᓪᓴᓄᓪ ᑲᓂᓴᓪᓴᓂᓪ ᐃᓴᓂᓪᓴᓄᓪ ᐃᓴᓂᓪᓴᓄᓪ #125646

Tree River Geoscience Project 2022

ᐃᓴᓂᓪᓴᓄᓪ
ᐃᓴᓂᓪᓴᓄᓪ:

New

ᐃᓴᓂᓪᓴᓄᓪ
ᐃᓴᓂᓪᓴᓄᓪ:

Scientific Research

ᐃᓴᓂᓪᓴᓄᓪ
ᐃᓴᓂᓪᓴᓄᓪ:

12/20/2021 4:04:36 PM

Period of operation: from 0001-01-01 to 0001-01-01

ᐃᓴᓂᓪᓴᓄᓪ ᐃᓴᓂᓪᓴᓄᓪ: from 0001-01-01 to 0001-01-01

ᐃᓴᓂᓪᓴᓄᓪ:

Jesse Reimink

503 Deike Building

University Park Pennsylvania 16802

USA

ᐃᓴᓂᓪᓴᓄᓪ: 18148656666, ᐃᓴᓂᓪᓴᓄᓪ:

$\gamma_b \Delta^c \dot{\gamma} \cap \sigma^b \quad \wedge c_n \nabla^{\gamma_b} \gamma_{\sigma} \nabla^{\alpha_b} L^{\alpha}_{\sigma}$

Inuinnaqtun: • Kina: Naunaiyaut havaqatiriigunmi uumanga D. Graham Pearson-mit Ilihaqvikiyuamit Alberta-mi, Dr. Jesse Reimink-milu Penn State-mi Ilihaqvikiyuamit Amialigat Nunagiyaanit. Ilagiarutit havaktuni ilauiyuni ilaqaqtuq PhD-nigiamini ilihatuq Penn State-mit, nunamilu nunamiutaliqiyit ayugitut uvanga, Ilihaqvikiyuamit Alberta-mit, Laurentian-mit Ilihaqvikiyuamit, uvaluniit Nunavumi Nunamiutanik Naunaiyainit Titiraqvianik, unalu qayalikmik. • Hunauk: Maniqami naunaiyainiaqtugut igilraat tungaviuyunik uyaqaik takuukhauliqtunik qaagani nunap. Hiniktaqviqaqniaqtugut Plummer-p Qugluaqtualukmi Aguniaqtitiviani Kugluktumilu atuqhimaqtulugu havaariyaqt tikminiaqtugulu Bush Hawk-mi qayalikmi tikmiaqmi 80-kilaamitanik umanga inigiyauyumit ubluani. Miniaqtugut mikiyuni tahiqli, pihuklutalu uyaraqtuniqnut haniani tattit. Uyaraktuniqmugarupta naunaiyaivikhamut, atuqniaqtugut mikiyunik kautauyanik nunami naunaiyagakhanik ilituqhaqtakhanik (~1-kilogram-guyut naunaiyagakhat) uyaqanik naunaiyagakhanik. Naunaiyainiaqtugut 8-mit qulinut ubluni nahuriyugulu katitiriami ~100-nik naunaiyagakhanik uyaqanik talvuuna. Naunaiyainiq hiamayaktauniaqtuq ihumagiyaauluaqniaqtulu utiriami naunaiyariagani inigiyauyut uqautauyut kiguliqmi Nunaliqijutunik Naunaiyautimi Kanatami qaiqtunik nunauiyuqtinit, havaat atuqhimayut 1980 ukiut atuqtilugit. Havaktivut pigahunit talimanut nunamiutaliqiyit ilauniaqtut qayalikmiklu tikmialikmik. • Huuq: Qaliriiktuuyaaqtut uyaqat hatqiyut uvani nunami piqaqtut uyaraktaakhanik utuqaqyuaguyunik. Ihuaqhivaaliqtuni naunaiyautimi ilituqhautit taja atuqtauyut Ilihaqvikiyuami Alberta-mi, ilitpaliahimayugut amihunik qanuq igilraat Hilaqyuaq aulaniganik ilituqhaqhugit mikanuit uyaraktaakhani ilagiyait naniyauhmayut ukunai hiuraliani. Katitiriniaqtugut uyaqanik naunaiyagakhanik piqaqtunik mikanuanik uyaraktaakhanik avugiinik, ahivaqtiqlugit avugiiknigit, ilituqhaqlugilu hunavaluqaqnginik nalunairutitik. Naluhuigtavut takuupkaqtitaunigtut havaqatinit ihivriugnginik

naunaiyautinik uqauhiini. Ihumami, iliniaqtugut amihunik qanuq taimaniraaluk
Nunaqyuaq aulaniqaqmagaa ilituqhaqniginik ukua igilraat uyaraktaakhani ilaliutihimayut.

Personnel

Personnel on site: 4

Days on site: 12

Total Person days: 48

Operations Phase: from 2022-07-15 to 2022-07-25

$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \hookrightarrow \mathbb{D} \sigma \triangleleft^{\mathfrak{q}_b} \mathbb{D}^c$

ᐱ ᑭ	ᖃᓄᕈᒋᑦ ᐱᑦᐳᐣᖅᓂᐣᖅ	ᑭᔨᑦ ᓄᓇᖊᑦᑐ	ᑐᙵᑲᙶᙴᑦ ᓄᓇᑯᑦ ᖃᓄᖅ ᐣᑐᑲᑯᑯᖅ ᑭᑲᑲᐣᐣᖅᓂᔪᑦ	ᕆᑦᓂᑦᓂᖅᓂᑦᐸᑯᑯᑯᑯᑯᑯ ᕆᓄᓄᑦ ᓇᖊᑦᑯᑯᖅᑯᑦᓂᑯᑯᑯ ᑯᕈᑲᓂᑯᑯᑯᑯᑯᑯᑯ	ᖃᓂᓄᓂᖅᓂᑦ ᓄᓇᑦᑲᑯᑯᑯᑯᑯᑯᑯᑯ ᐣᑲᑯᑯᑯ ᙵᑯᑲᑯᑯᑯᑯᑯᑯᑯᑯ ᑭᓄᑦ
Sampling Region of Interest #1	Researching	Crown	NA	NA	NA
Sampling Region of Interest #2	Researching	Crown	NA	NA	NA
Tree River Lodge Base Camp #4	Camp	Crown	NA	NA	NA
Sampling Region of Interest #3	Researching	Inuit Owned Surface Lands	NA	NA	NA
Sampling Region of Interest #5	Researching	Inuit Owned Surface Lands	NA	NA	NA
Sampling Region of Interest #6	Researching	Inuit Owned Sub-Surface Lands	NA	NA	NA

መረጥፎ ለረገፍባቸው ምረጃ ለሌላው ምረጃ ለሌላው ምረጃ ለሌላው ምረጃ

მეც რტ ^{ყბ}	დწ ^ც	ბჟ ^ჲ დ ^{ყბ} ნ ^წ რ ^ტ ჟ ^{ყბ}	ყბ ^ლ ჯ ჯ ^{ყბ} ნ ^ც დ ^ლ დ ^ლ დ ^წ რ ^ა შ ^ბ
Information is not available			

ᐊᐃᓚᐃᓂᐊᖃᐅᓂ

ᐱᖃᐅᓂ ᐊᖃᓂᐊᖃᓂ ᐊᐃᓂᐊᐃᓂᐊᖃᓂ ᐃᓂᖃᓂᐊᐃᓂᐊᖃᓂ ᐃᐅᐊᐃᐅᓂ, ᓂᓂᐊᐊᓂᐊᓂ, ᖃᖃᓂᐊᓂᐊᓂ, ᐊᓂᐊᐊᓂ ᐊᓂᐊᓂ

ᐊᖃᓂᐊᖃᓂ ᐱᖃᐅᓂ ᐊᐃᓂᐊᐃᓂᐊᖃᓂ ᖃᖃᐊᐊᓂᐊᓂ	ᖃᖃᓂᐊᐊᓂ	ᐊᖃᓂᐊᓂᐊᓂ - ᐊᖃᐊᓂᐊᓂ	ᓂᓂᐊᓂ ᐊᐃᓂᐊᐃᓂᐊᖃᓂ
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.

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ᓂᓂᐊᓂ ᐊᖃᓂᐊᓂᐊᓂ ᐊᐃᓂᐊᐃᓂᐊᖃᓂ	ᖃᖃᐊᐊᓂᐊᓂᐊᓂ ᐊᖃᓂᐊᓂᐊᓂᐊᓂ	ᖃᖃᓂᐊᐊᓂ ᐊᖃᓂᐊᓂᐊᓂᐊᓂ	ᐊᖃᓂᐊᓂᐊᓂᐊᓂᐊᓂ ᐊᓂᐊᐊᓂᐊᓂᐊᓂ	ᓂᓂᐊᓂ	ᐊᖃᓂᐊᓂᐊᓂᐊᓂ ᐊᓂᐊᐊᓂᐊᓂᐊᓂ	ᓂᓂᐊᓂ ᐊᐃᓂᐊᐃᓂᐊᖃᓂ
Aviation fuel	fuel	2	55	110	Gallons	Aviation fuel is required for flying to remote locations

ᐃᓂᖃᓂ ᐊᐃᓂᐊᐃᓂᐊᓂᐊᓂ

ᐊᓂᐊᓂ ᐊᓂᐊᓂᐊᓂᐊᓂᐊᓂ	ᖃᖃᓂᐊᓂ ᐊᓂᐊᓂᐊᓂᐊᓂᐊᓂᐊᓂ	ᐊᓂᐊᓂ ᐊᓂᐊᓂᐊᓂᐊᓂᐊᓂᐊᓂ
1	Drinking water will be gathered from streams and lakes in the region	

$\triangleleft^b C d^c$
$$\Delta^b C d_C \sim \sigma \Delta^a \sigma^a$$
[illegible]
$$4^{\circ} 07' 20'' \text{C} \quad 4^{\circ} 56' 00'' \text{C}$$

No environmental impacts will be produced. We will remove all garbage and will take only small research rock samples.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION 11: Municipal Development

[illegible]

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[illegible]

Miscellaneous Project Information

$\alpha \rightarrow \Delta^{\text{fb}} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \Delta^{\text{b}} \text{fb} \text{CD} \Gamma^{\text{L}} \Gamma^{\text{C}} \quad \text{fb} \Delta^{\text{C}} \sigma^{\text{fb}} \Gamma^{\text{C}} \quad \langle \text{CD} \Gamma^{\text{L}} \Gamma^{\text{L}} \text{fb} \text{CD} \sigma^{\text{fb}} \Gamma^{\text{C}} \rangle$

Cumulative Effects

Impacts

$\omega \rightarrow \omega \Delta^{\frac{1}{2}} C D \sigma^{-\frac{1}{2}} r^C$ $\Delta \rho N \Gamma D C \dot{\sigma}^C \rangle^C$ $\Delta b \rangle^{\frac{1}{2}} C D r L \downarrow^C$

[illegible]
$$(P = \langle b \rangle \Delta_P \cap \langle \Delta^a \rangle^C, N = \langle b \rangle \Delta_P \langle \Delta \rangle \langle \Delta^a \rangle^C \langle \Delta \Gamma \rangle \langle \Delta^b \rangle^C \langle \Delta \rangle \langle \Delta^a \rangle^C \rhd, M = \langle b \rangle \Delta_P \langle \Delta \rangle \langle \Delta^a \rangle^C \langle \Delta \Gamma \rangle \langle \Delta^b \rangle^C \langle \Delta \rangle \langle \Delta^a \rangle^C \rhd, U = \langle b \rangle \Delta \langle \Delta^a \rangle^C \langle \Delta^b \rangle^C)$$

1	polygon	Sampling Region of Interest #1
2	polygon	Sampling Region of Interest #2
3	polygon	Sampling Region of Interest #3
4	point	Tree River Lodge Base Camp #4
5	point	Sampling Region of Interest #5
6	point	Sampling Region of Interest #6