







IlihautitDr. Laurie Juranek taamnal Dr. Emily Eidam, Oregon Aviktuqhimanianit IlihaqpaalliqviatHapkunani havaaghanit qauyihavaktut taryumiutanik havalihaaqtunullu havaaghanut ilihautighanik USCGC Healy-mi ingilraviuyuq Northwest Ikaaqvianit Qurluqtuqmit, Kanatami talvunga Nuuk, Akukittuqmut. Havauhittianik atuqtittivalliyumayugut munariplugit inirumayaita havaqatigiiktut ayuqnaqtunik qauyihaiyut havaqatigittiarumaplugillu US-mi Taryumi Munaqtiuyut, nunaquyumi ikayuqtigiit, Nunaqaqqaqhimayullu nunallaat parnaiyaiplutik aullaqtittiyuniklu ikaaqvighamik tuhaqtittiplugillu iniqhimayait nunallaarmiunut inungnullu. Qauyihaiyit qauyihautinit apiqhuutit: (1) ayuqhautauyut ihuaqhaqtauniaqqat naunaitkutainit Northwest Ikaaqvianit taryumi qauyihailutik nunauyaliuqlutiklu ikaaqtunut amirnautinik? (2) Qanuq ingilrautiyut imaqmik Northwest Ikaaqvianit iliuraqtauniaqqa talvunga angitqiyamut Ukiuqtaqtumi Taryuutaanit? Qanuq imautauyut nayukkanit aallannguqpakpat avugiingnit pitquhiigullu? (3) Qanuq ihuaqhivaalliqniaqqat maliktauyut aklivaalliqnianit huruqpalliyunullu taryum hikuani ihumagiplugu hila, taryum hikua, taryuplu qaangata naunaitkutait? Taaffumunnga (1), iliurainahuaqhimayugut ayuqhautinut naunaitkutanik qauyihainiqmut, ikayuqlutiklu inirahuariamik taryum natianik nunauyaliurniqmik, ikayuqlutiklu ikaaqtunut amirnautinik ilittuqhautighanik. Havaqatiginahuaqtaqqut Kanatamiutat Qauyihaiyut NORCAN-mit GSC-millu iriniginahuaqlugit nunauyaliuqvighat. Katitinqiaqhimayugut taryum natianit qauyihaqtaghanik ihuaqhautighat naunaitkutainut katiquhuhimayut hanayauliqtuq taaffuminnga qauyihaiyi Dr. David Mosher. Qauyihaqtaghanik atuqniaqhimayugut ikayuutighat havalihaaqtunut havaaghanit qauyihaiyinik qauyihailutik havauhiqnik katitiriamik katiquhuhimayunik, pitquhiinik naunaitkutanik, niqittiarniinullu naunaitkutanik. Taaffumunnga (2) munarinahuaqtaqqut qaanganigmiutat taryum imaanik ingilratillutik umiaqmiutanik qauyihautikkut, taimaa ilihimattiarimik qanuq avugiiktumik taryuq aallannguqpagiaghaat aviktuqhimayumi tagyaaqmit hangutitugaangat. Katitirinaqhimayugut naunaitkutaghanik imaqmit imaqmiklu qauyihaqtaghanik naunaittiamik nanminiinik huanngautainik, uunarnianik, niqittiaqariaghait, nanminiiniklu tamatkiumayunik umaqmit naunaiyutinik qauyihautiqaqhutik kituni tikkuqaqtauhimayunit nayugaqnit atuqhutiklu mikiyunik takkannguqtaqtunik qauyihautinik akunngani havakviit. Imaqmik qauyihaiyaghat tutquumaniaqtut umiaqmi aullaqtitaulutiklu ilikkuuqtunut qauyihaqvingnut qauyihaqtauyughat. Taaffumunnga (3), katitirinaqtugut hilamit taryuplu qaanganit qauyihaqtaghanik (tighiqut kayumingniit, anuqqim kayumingnia, taryum qaangani uunnaqnia taryuqarnialu, qaumayumitlu naunaiqhutinik) taryum hikuata haniani hikumiutanik havakviinik. Parnaihimayugullu katitiriamik hikumit qauyihaqtaghanik ikuutaqhutik mikiyunik putunik ikuutakkut. Katitipalliyumayugullu aviktuqhimayumi haamlatkullu ilittuqhitiyaamik qauhimayatuqainik ihumagiyauniklu qauyihaqtaqtingnik ilihautiptingniklu. Pulaaqniaqhimayaqqut Qurluqtuq Iqaluktuuttiaqllu upinngaghami katinnahuaqlugit nunallaat auyami hulivallaaqtinnatik. Nunallaarmiuniklu katipkaiyumayugu Qurluqtuqmi July nungutinnagu ilittuqhitiyaghainik qauhimayatuqainik nunallaarmiunut, qauyihaqtiptingnut, USCG-milu umiaqmit havaktiinik aullaqtinnatik. Ilihimmattiaqtaqqut aghuurnaqaaniit tuhaqtittiyaamik ilihimaliqtavut nunallaarmiunut, pulaaqniaqhimaplutik katimavighainik ilittuqhitiyaalliriamik 2025-mi pulaaqvighaanit. Naunaitkutut ilittuqhitiyauniaqtut GSC-mut NORCAN-mullu tuyuqtaulutiklu Nunaqaqqaqhimayunut aulapkainiqmut atannguyanut. Naunaitkutanik katitiriyut ingilratillutik ilittuqhitiyauniaqtut 6 tatqiqhiutit naatinnatik qauyihaqvianit. Naunaitkutut qauyihaqtaghanit/uuktuqtaghanit ilittuqhitiyauniaqtut malruk ukiut naatinnatik qauyihaqvianit (ilangi naahurinnaqtut iniqvighainut).

## Personnel

Personnel on site: 120

Days on site: 10

Total Person days: 1200

Operations Phase: from 2024-07-29 to 2024-08-13







						and micro plastic samples
Sulfuric acid	hazardous	1	0.5	0.5	Liters	Analyzing oxygen samples
Sodium hydroxide (base)	hazardous	1	0.5	0.5	Liters	analyzing oxygen samples

ΔL<sup>cb</sup> <D<sup>cb</sup>C>I<sup>cb</sup> D<sup>cb</sup>

▷ <sup>c</sup> D <sup>cb</sup> C I <sup>cb</sup> <D <sup>cb</sup> C>σ< <sup>cb</sup> D <sup>cb</sup>	°b <sup>cb</sup> ΔΓ <sup>cb</sup> C°b°C°σ< <sup>cb</sup> < <sup>c</sup>	αP <sup>c</sup> ΔΓ <sup>cb</sup> C°b°C°σ< <sup>cb</sup> < <sup>c</sup>
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# **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**



# Impacts

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	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
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(P = ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ, N = ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ, M = ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ, U = ᐱᓇᓂᐱᓐ ᐱᓇᓂᐱᓐ)



List of Project Geometries

1	polyline	nominal cruise track (subject to ice conditions)
2	point	potential sampling location 1
3	point	potential sampling location 2
4	point	potential sampling location 3
5	point	potential sampling location 4
6	point	potential sampling location 5
7	point	potential sampling location 6
8	point	potential sampling location 7
9	point	potential sampling location 8
10	point	potential sampling location 9
11	point	potential sampling location 10

12	point	potential sampling location 11
13	point	potential sampling location 12
14	point	potential sampling location 13
15	point	potential sampling location 14
16	point	potential sampling location 15
17	point	potential sampling location 16
18	point	potential sampling location 17
19	point	potential sampling location 18
20	point	potential sampling location 19
21	point	potential sampling location 20
22	point	potential sampling location 21
23	point	potential sampling location 22
24	point	potential sampling location 23
25	point	potential sampling location 24
26	point	potential sampling location 25
27	point	potential sampling location 26
28	point	potential sampling location 27
29	point	potential sampling location 28
30	point	potential sampling location 29
31	point	potential sampling location 30
32	point	potential sampling location 31
33	point	potential sampling location 32
34	point	potential sampling location 33
35	point	potential sampling location 34
36	point	potential sampling location 35
37	point	potential sampling location 36
38	point	potential sampling location 37
39	point	potential sampling location 38
40	point	potential sampling location 39
41	point	potential sampling location 40
42	point	potential sampling location 41
43	point	potential sampling location 42
44	point	potential sampling location 43
45	point	potential sampling location 44
46	point	potential sampling location 45
47	point	potential sampling location 46
48	point	potential sampling location 47
49	point	potential sampling location 48
50	point	potential sampling location 49
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58	point	potential sampling location 57
59	point	potential sampling location 58
60	point	potential sampling location 59
61	point	potential sampling location 60
62	point	potential sampling location 61
63	point	potential sampling location 61
64	point	potential sampling location 62
65	point	potential sampling location TC12
66	point	potential sampling location TC13
67	point	potential sampling location TC14
68	point	potential sampling location TC15
69	point	potential sampling location TC16
70	point	potential sampling location TC17
71	point	potential sampling location TC18
72	point	potential sampling location TC19
73	point	potential sampling location TC20
74	point	potential sampling location TC21
75	point	potential sampling location 63