

ፌዴራል ልዩ ሰርዲየት ከበረካቸው በሥራ ላይ የሚገኙት #125186

## Kahuna Property Field Camp

**ᐅᑦᓴᑦᑐᕋᑦ ᐱᕈᑦᓴᑦᑐᑦ:** New

$\Lambda \subset \mathbb{N} \setminus \{0\}$

 $\mathcal{N}^{\epsilon} \Delta^b$ [illegible]

ᐅᑦᓂᕈ ᐃᑦᒃᓴᐅᐱᑦᓴᐅᑦ: 11/20/2017 4:45:03 PM

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

**ᠪᠠᠯᠢᠨᠪ᠋ᠳᠤᠮᠤᠴᠣᠷᠦᠭᠡᠰᠡ:** from 0001-01-01 to 0001-01-01

Λαμβάνονται ως δεδομένα:

Chris Taylor

Dunedin Ventures Inc.

1110, 1111 West Georgia St.

Vancouver BC V6E 4M3

Canada

$\mathcal{D}^{\mathfrak{b}}_{\mathcal{C}} \mathcal{D}^{\mathfrak{c}}_{\mathcal{C}}: 778 \ 327 \ 5799, \mathcal{L}^{\mathfrak{b}}_{\mathcal{C}} \mathcal{L}^{\mathfrak{c}}_{\mathcal{C}}: 778 \ 327 \ 6675$

כ"ד ל"ב כ"ד

$\epsilon_b \Delta^c \dot{\gamma} \Pi \sigma^b \quad \Lambda \sigma^a \Delta^b \epsilon_b \sigma^a \Delta^a \Delta^b \sigma^b$

**ᐅᓂᕈᑦ:** Please refer to the attached Non-Technical Project Summary in English under the document tab.

**DΔΛNOC:** The proposed project will not affect the city of Iqaluit.

$\Delta \mathfrak{M} \cap \mathcal{D}^c$ : Please refer to the attached Non-Technical Project Summary in Inuktitut under the document tab.

Inuinnaqtun: The proposed project will not affect the communities of Cambridge Bay, Kugluktuk, Bay Chimo or Bathurst Inlet.

## Personnel

Personnel on site: 20

Days on site: 214

Total Person days: 4280

Operations Phase: from 2018-02-16 to 2018-03-16

Operations Phase: from 2018-03-02 to 2018-10-01

Post-Closure Phase: from to

$$\Lambda \subset \mathbb{N} \subset \mathbb{Z} \subset \mathbb{Q} \subset \mathbb{R} \subset \mathbb{C}$$

മേന്മയ്ക്ക് അടിമപ്പെട്ടവർക്ക് മേന്മയ്ക്ക് വേണ്ടി എല്ലാവരും ചേർന്ന് പ്രവർത്തിക്കാൻ കഴിയുമെന്ന് പ്രതീക്ഷിക്കുന്നു.

ᐃᑭᓕᒋᔭᖅ	ᐱᑎᓪ	ᑲᐅᙳᐱᖅᑎᑦᒋᔭᖅ	ᖅᑲᓴᐅ ᐅᐱᖅᑎᑕᐅᓚᐅᓗᐱᐱᑦᒋᓂᖅ
ᐃᓄᓕᓴᓯᐱᖅ	Simeonie Sammurtok, Mayor of Chesterfield Inlet	Hamlet Council of Chesterfield Inlet	2017-11-10
ᑲᖅᒋᖅᓕᓂᖅ	L.Manzo, J.Tulugak, B.Osmond (KIA).	Kivalliq Inuit Association	2017-10-26
ᑲᖅᒋᖅᓕᓂᖅ	L.Manzo, J.Tulugak, B.Osmond (KIA). J.Tattuinee, B.Sigurdson, H.Towtongie, C.Beardsall (CLARC). C.Tartak (HTO Manager)	Kivalliq Inuit Association. Community Lands and Resources Committee. Aqiggiag HTO.	2017-10-27
ᐃᓄᓕᓴᓯᐱᖅ	S.Sammurtok (Mayor). P.Kattegatsiak, P.Kadjuk, L.Mimialik, A.Kadluk, H.Aggark (CLARC). V.Ipkarnerk (KIA). R.Mullins, D.Kattegatsiak, L.Autut (Hamlet).	Community Meeting: CLARC, KIA, Hamlet of Chesterfield Inlet, Aqigiq HTO and members of the community.	2017-10-25



	circulation drilling and bulk sampling.			
Pᑭᓕᓕᖅ ᐃᓄᐃᓪ ᑲᑐᔨᓂᑲᑎᒻᑯᓴᓯᓕ	KVL315B01. Land Use License for Staking & Prospecting, Exploration, Drilling, Bulk Sampling on Inuit Owned Land Parcel CI-15.	Active	2017-07-14	2019-11-02
Pᑭᓕᓕᖅ ᐃᓄᐃᓪ ᑲᑐᔨᓂᑲᑎᒻᑯᓴᓯᓕ	KVRW16F01. Right of Way Land Use License for an Overland Winter Trail from Rankin Inlet to the Kahuna Property.	Active	2017-04-02	2018-04-02
ᓄᓇᑳᑦ ᐃᓚᓕᓴᓂᓂᓪ ᑲᑎᓚᓂᓯᓕ	2BE-KDP1722. Type B Water Licence for the use of water on the Kahuna Project. Quantity of water use not to excess: one hundred (100) cubic metres per day.	Active	2017-06-01	2022-05-31
ᑲᓇᑕᑦ ᓄᓇᖅᑲᖅᑲᖅᑐᓕᓴᓂᓂᓪ ᐃᑭᐃᖅᑕᖅᑐᑦᐃᓕᓴᓂᓂᓪ	An INAC amendment application has submitted to NIRB and upon screening decision will be submitted to INAC to add a temporary field camp on Crown Lands under N2015C0019.	Applied, Decision Pending		
ᓄᓇᑳᓯᑦ ᐃᓚᓕᓴᓂᓂᓪ ᑲᑎᓚᓂᓯᓕ	A NWB amendment application has submitted to NIRB and upon screening decision will be submitted to NWB to authorize domestic water use not exceeding three (3) cubic metres per day for the temporary field camp under Water Licence 2BE-KDP1722.	Applied, Decision Pending		

Transportation Type	ᑭᑦᑲᑦᑲᑦ	ᑭᑦᑲᑦᑲᑦ ᑭᑦᑲᑦᑲᑦᑲᑦᑲᑦ	Length of Use
Air	0	Helicopter-supported	

Land	0	Caterpillar Challengers with sleds, snowmobiles	
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#### Project accomodation types

Temporary Camp

Λ<sup>5</sup>δ<sup>c</sup> δ<sup>6</sup>ι<sup>c</sup>ζ<sup>5b</sup> δ<sup>7</sup>ς<sup>b</sup>CDσδ<sup>4</sup>ι<sup>5b</sup> Δ<sup>c</sup>ς<sup>b</sup>ι<sup>c</sup>δ<sup>7</sup>Π<sup>c</sup>δ<sup>7</sup>ι<sup>c</sup> Δ<sup>δ</sup>ι<sup>c</sup>Δ<sup>c</sup>, Γ<sup>c</sup>δ<sup>7</sup>Π<sup>c</sup>δ<sup>7</sup>, ς<sup>6</sup>ι<sup>c</sup>Δ<sup>c</sup>ζ<sup>5b</sup>, σ<sup>c</sup>ι<sup>c</sup>δ<sup>7</sup> δ<sup>7</sup>ι<sup>c</sup>δ<sup>7</sup>

በበፍጥረቱ ምሥራቅ አካል ለሚገኝ ልዩ ምርት ምርቶች ለምሳሌ ለምሳሌ

ΔL<sup>9b</sup> ΔC<sup>9b</sup> CΔ<sup>9b</sup> ΔL<sup>9b</sup> ΔC<sup>9b</sup>

 $\triangleleft^b C d^c$

$$\Delta^b C d_{\sigma} \sim \Delta^a \sigma^a$$

ለ ርዕሰ ቤት የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት
Camp	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	~0.05m3/day	Duel-walled fuel-fired incinerator	Ash collected and removed from site for authorized disposal.
Camp	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	<3m3/day	Greywater sump	Sump backfilled upon final closure.
Camp	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	0.005m3/day	Collected in sealed and labelled drums.	Removed from site to a registered hazardous waste receiver.
Camp	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	0.05m3/day	Collection	Transported off site for authorized recycling/disposal.
Camp	የፋይናንስ አገልግሎት የፋይናንስ አገልግሎት	0.05m3/day	Incinerated and ash collected.	Ash transported off site for authorized disposal.

$\Delta \epsilon_{\text{NFC}}^{\text{C}} \quad \Delta \epsilon_{\text{CDPL}}^{\text{C}}$

Camp activities are not likely to significantly impact the permafrost, soil and sediment quality. Camp structures will be elevated to prevent permafrost thaw. Soil quality can be impacted by hazardous materials spills and waste discharge and will be treated as per the Spill Prevention and Response Plan. The camp grey water sump will be outfitted with a grease trap and screen to ensure food grease and solids do not enter the waste water sump. No contamination of the water supply is predicted. Upon final closure, the sump will be infilled and re-contoured. The camp location was chosen in a location with minimal vegetation to reduce the need for clearing. Due to the short duration of the program and the remote location of the field camp, measurable impacts to the air quality are not anticipated. Noise quality may be effected by helicopters and generators which can disturb wildlife. Helicopters are to maintain a minimum altitude of 610 metres where wildlife is observed to mitigate impacts by noise. The predicted impacts to wildlife due to the presence of the Kahuna Property field camp include attracting wildlife and habitat disturbance. Dunnedin will discourage attracting wildlife by minimize all waste and properly storing attractants until they can be removed from camp. Habitat disturbance from the field camp is temporary and upon final closure the site will be reclaimed and restored to its original state. Camp layout will be designed to minimize its footprint and limit its impact. No birds, eggs or nests are to be disturbed. Flight restrictions are in place where colonies of birds are observed. Positive socioeconomic impacts are anticipated from employment opportunities for local Inuit and increased business for northern companies and services. Please see the Environmental and Wildlife Management Plan and other management plans included in the project documents for additional details.

## **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**



Vegetation within the Southern Arctic Ecozone is adapted to short, cold growing seasons; high persistent winds and acidic soils over permafrost. The Ecozone is bounded to the south by the tree line, a broad ecological division between the taiga forest and the treeless arctic tundra. Low precipitation and extremely low winter temperatures are among the factors that discourage tree growth. The near continuous blowing of cold, dry winds and the presence of permafrost also restricts plant growth. Low shrubs such as the Shrub Birch, Willow and Labrador Tea are well adapted to these conditions. On the most exposed sites, low shrubs give way to mats of lichens, mosses, and ground-hugging shrubs such as Mountain Cranberry and Least Willow. Low biological productivity, a short growing season, and extremely cold long winters are demanding on wildlife so those found





## Impacts

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 $\Delta^{5b}CD\sigma^{5b}r^C$ 
 $\Delta^{5b}CD\sigma^{5b}r^C$

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ԾԵԳԵՐԿօն																									
Camp		-	-	N	-	N	-	-	-	N	-	N	M		N	N	N	-	-		P	-	-	-	-
ԱԾԵՆԿռօն																									
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[illegible]