



# Land Use Permit Application Km 100 Hwy 1

West Point First Nation - Presentation

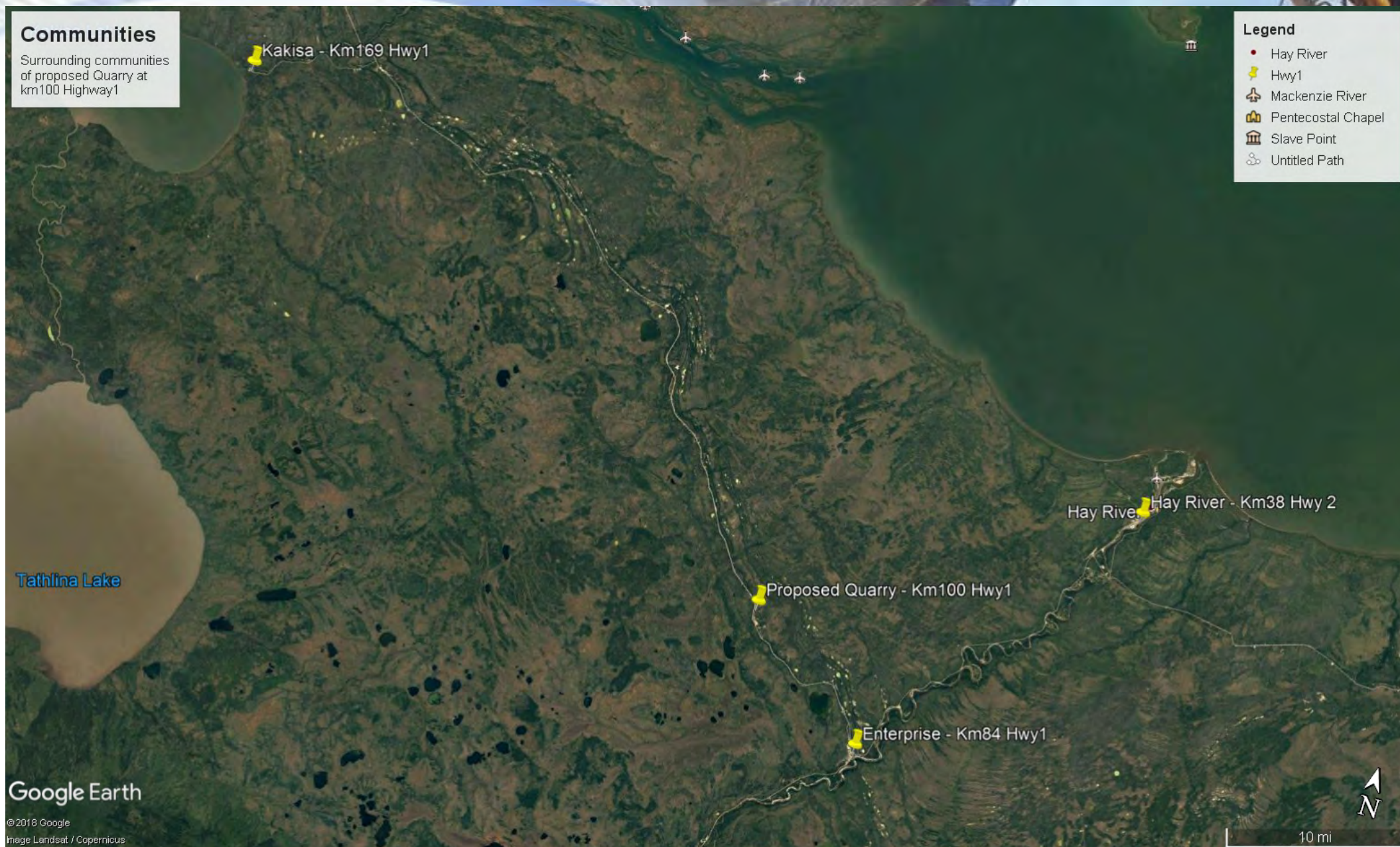


### Communities

Surrounding communities of proposed Quarry at km100 Highway1

### Legend

- Hay River
- 📍 Hwy1
- 🌳 Mackenzie River
- 🏛️ Pentecostal Chapel
- 🏰 Slave Point
- 🛤️ Untitled Path



Google Earth

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Image Landsat / Copernicus

10 mi

Plot Coordinates

Coordinate System:  
Lat/Long (degrees, minutes, seconds)

- 1 Lat 60° 38' 31.02000" N  
Lon 116° 21' 24.63000" W
- 2 Lat 60° 44' 55.28000" N  
Lon 116° 30' 42.47000" W

Interim Land Withdrawal (Surface), 562  
[View Additional Details](#) [Edit Feature](#)

IMA withdrawn lands

Hunting Cabin

2 Lat: 60° 44' 55.28000" N  
Lon: 116° 30' 42.47000" W

Rowe's proposed quarry

1 Lat: 60° 38' 31.02000" N  
Lon: 116° 21' 24.63000" W

+ Add Another Coordinate

# GNWT Lands Reference

Department of Lands  
South Slave Region  
Tel: (867) 874-6995  
Fax: (867) 874-2460

March 12, 2018

Tyree Mullaney  
Regulatory Officer  
Mackenzie Valley Land and Water Board  
PO Box 2130  
Yellowknife, NT X1A 2P6

Dear Ms. Mullaney,

Re: Land Use Permit Application MV2018Q0003  
Rowe's Construction  
Km 99.7, NWT Highway No. 1

I have reviewed the land use permit application submitted by Rowe's Construction for a quarry operation at Km 100, NWT Highway No. 1. Though the application was complete with all necessary information provided by Rowe's Construction, the map showing the location of the quarry was of poor quality. I have attached a map showing the boundaries of the quarry with the coordinates provided in the application. Below please find comments on the past history of the Km 100 quarry, drafted permit conditions and security estimate.

#### History of Km 100 Quarry

The Km 100 quarry was developed prior to 1986 by the Department of Transportation for highway maintenance as seen in the aerial photograph taken on August 26, 1986 shown in Figure 1. The Department of Transportation expanded the quarry in August 1990 under the authority of Land Use Permit N89E088 during the NWT Highway No. 1 Reconstruction Project. Several land use permits have been issued since 1990 to private companies for gravel supply including:

- Land Use Permit N92Q869 issued to Mueller Construction in January 1993 for two years.
- Land Use Permit N93Q629 issued to Key Contracting in July 1993 for two years.
- Land Use Permit N97Q762 issued to Ritchie Excavation in July 1997 for two years.
- Land Use Permit MV2001Q0089 issued to Rowe's Construction in December 2001 for five years.

Rowe's Construction has had active land use permits at the Km 100 quarry since 2001 to current date. **The Km 100 quarry is located outside of Deh Cho First Nations Interim Measure Agreement withdrawn lands.**



Figure 1 - Aerial Photo A27028-97 taken on August 26, 1986 showing pit developments at Km 100 and 101 Highway No. 1.

#### Permit Conditions

The Inspector has provided comments on the attached table requesting minor revisions to Draft Conditions which were attached to the application for review.

#### Security Estimate

Please find attached the Land Use Permit Security Worksheet completed by the Inspector which calculates the required security deposit required for the operation. The Inspector calculated the security deposit to be \$20,676.25 after factoring in the total land use area of 15 ha, fuel storage and equipment quantity. The Inspector recommends the security deposit be reduced 50% to \$10,338 for the following reasons:

- Rowe's Construction is an established company operating in the Northwest Territories for 43 years.
- The Inspector has had considerable interaction with Rowe's Construction through previous land use permits and has found the company to be pro-active in addressing environmental issues. Example: The Company completed progressive reclamation of Km 99.7 under the authority of previous land use permit.
- Rowe's Construction has always complied with the Inspector's directions in his 28 years of interaction with the company.
- Rowe's Construction has hired an Environmental Coordinator (Mr. Florian Mandst) to maintain a high standard of compliance.
- Rowe's Construction has the required equipment to complete reclamation of the project area and complete cleanup of fuel spills.
- 15 ha of lands have been applied for. It is noted that 4.5 ha is previously disturbed land meaning only 10.5 ha is considered new disturbance. The 4.5 ha is not depleted and remains active.
- Recommended Permit Condition #39 states "The Permittee shall carry out progressive reclamation of disturbed areas as soon as it is practical to do so." The Inspector provides direction through land use inspections to the company to complete reclamation of the depleted portion of the quarry as the operation progresses. The 15 ha are applied for, progressive reclamation ensures that there will not be 15 ha of disturbed lands not reclaimed. The Inspector does not authorize the expansion of the quarry if depleted portions of the quarry have not been reclaimed first.

- Environmental risk of a quarry operation is minimized through inspection frequency based on Risk Assessment.
- Equipment provided in the application (Crusher & Screener) does not remain on site for the duration of the permit. Equipment is only on site for short periods (<1 month) during crushing and screening operations typically completed during the summer months.
- Land use operation is being conducted 56km from the Town of Hay River. Dump trucks will be fuelled in Hay River. Equipment will be fuelled by 400 L double-walled tidy tank located in the back of a pickup truck. No large quantities of fuel will be stored within the project area.

The Inspector recommends the land use permit be issued as applied for.

If you require any additional information, I can be reached at (867) 874-6995 ext. 24 or Email [norman\\_mccowan@gov.nt.ca](mailto:norman_mccowan@gov.nt.ca).

Sincerely,

Norm McCowan  
Resource Management Officer III (Inspector)  
Department of Lands  
South Slave Region

CC: Charlene Coe, Land Use Advisor, Department of Lands  
Derise Rehm-Lepine, Regional Superintendent, Dept. of Lands, South Slave Region



# Further Information

- As part of discontinuing the quarry at Hwy 1 Km 99.7, Rowe's will reclaim the area
- Preserved overburden will be used to re-contour the site, all excavations will be contoured and sloped to a horizontal/vertical ratio of 2:1 to bring back area close to its original condition and to blend in with surrounding environment
- The proposed quarry area is sparsely vegetated, hence minimum clearing is required
- Clearing is done in steps to keep as much area of the proposed quarry in natural conditions



Thank you for your consideration

Please contact us:

Rowe's Construction – 867 874 3243

Ronald Schaub

General Manager

[rschaub@rowes.ca](mailto:rschaub@rowes.ca)

Florian Mandsfeld

Environmental Coordinator

[fmandsfeld@rowes.ca](mailto:fmandsfeld@rowes.ca)