

May 8, 2014

Helga Harlander  
Land and Water Technician  
Gwich'in Land and Water Board  
PO Box 2018  
Inuvik, NT X0E 0T0

By Email: (h\_harlander@glwb.com)

**Re: Land Use Application G14E002 – Dempster Highway**

Dear Ms. Harlander,

We have reviewed Land Use Permit Application G14E002 and have several information requests and recommendations.

Information requests:

- The application indicates that quarry operations will take place at KM 23.9, KM 28.8, KM141, KM166.3, KM173.8, KM178.1, KM211.2, KM230.2, KM235, and KM251. Some of these locations have existing stockpiles and others are being actively quarried. We would like to know which of these quarries will be expanded into previously undisturbed terrain over the life of the permit.
- Will new quarries be established under this permit, or will quarrying be restricted to the quarries listed above? If new quarries will be developed, can the proponent provide locations of potential new quarry sources?

Recommendations:

- The scope of the land use permit application includes several activities that may result in new ground disturbance in the permit area, including quarry expansions, right-of-way improvements, construction of temporary work camps/ fuel and equipment caches, etc. These activities may place unrecorded archaeological sites at risk of impact. There are also several recorded archaeological sites in close proximity to the highway and several of the quarries that DOT needs to be aware of and avoid. We recommend that DOT work with the PWNHC to prepare an archaeological site management plan for the Dempster Highway that addresses these concerns.
- The PWNHC has recently been informed of the presence of a possible unrecorded archaeological site in close proximity to the quarry at KM251. This site and the undisturbed peripheries of the pit should be inspected by an archaeologist as soon as possible.

- We recommend that DOT conduct an archaeological impact assessment (AIA) of all of the existing quarries where new ground disturbance is planned prior to expansion of the pits into undisturbed terrain (see information request above).

Please contact me if you have any questions or concerns.

Sincerely,

Glen MacKay  
Assessment Archaeologist  
Prince of Wales Northern Heritage Centre

Cc. Ingrid Kritsch, GSCI