Belcher Islands Geoscience Project

Project Summary

The Lands and Resources Department of Nunavut Tunngavik Incorporated (NTI Lands) has entered into an agreement with Dr. Norm Duke of the University of Western Ontario (UWO) in London, Ontario under NTI's University Partnership Program.

Under this agreement, Dr. Duke will provide three geology students to undertake an exploration and mapping program on Subsurface IOL parcels in the Belcher Islands. In addition, NTI Lands will hire high school students from the local region to work as geological assistants, and a couple of Inuit prospectors.

NTI Lands is also co-operating on this project with the Canada-Nunavut Geoscience Office (C-NGO), the Geological Survey of Canada (GSC) and the Canada Centre for Remote Sensing (CCRS). The C-NGO will contribute two Research Scientists to the project to map and study the copper occurrences on Tukarak Island. The GSC and CCRS are acquiring airborne and satellite remote sensing imagery of the purposes of assisting the mapping project.

The focus of the geoscience project is to do some reconnaissance of IOL Subsurface parcels on the Belcher Islands, study the mineralised showings, train the university and high school students in field methods, and add value to IOL through the work of the geoscience project. All fieldwork will be performed between the beginning of August and the middle of September. The remote sensing research will be conducted at the Ottawa offices of the GSC and CCRS.

The project is anticipated to conduct field operations during the summer months in 2003 with some follow-up sampling in 2004. It is eventually hoped that interest in geological careers will allow future projects to hire Beneficiaries as the undergraduate geology students on the program's geoscience projects.

Camp mobilisation and demobilisation will be conducted using locally hired boats. Grocery re-supply will be by boat. Traverse support will be in the form of set-outs and pickups using an inflatable motor boat. Main transportation will be by foot traverse.

Sampling methods will consist of taking rock and soil samples using non-mechanical means. The primary tools will be hand-held sledgehammers, cold chisels and prospectors' mattocks. All soil sample sites will have the soil pit refilled after the sample has been taken.

Nunavut Water
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Public Registry

Study Areas

NTS 33M – Snape Island
    - IOL Parcel: SQ-05
NTS 34D – Tukarak Island
    - IOL Parcels: SQ-01, SQ-03, SQ-04, SQ-05 and SQ-06
NTS 43P – Part of 33M (Snape Island)
    - IOL Parcel: SQ-05
NTS 44A – Part of 34D (Tukarak Island)
    - IOL Parcel: SQ-05

Belcher Islands-ᒥ ᓄᓇᓕᕆᓂᕐᒧᑦ ᖃᐅᔨᓴᕐᓂᖅ ᐱᓕᕆᐊᒃᓴᖅ

ᐱᓕᕆᐊᒃᓴᒨᖓᔪᖅ ᐅᓂᒃᑳᖅ ᓇᐃᓈᖅᓯᒪᔪᖅ

ᓄᓇᓕᕆᔩᒃᑯᑦ ᐊᒻᒪᓗ ᐊᑐᐃᓐᓇᐅᑎᑦᓯᓂᕐᒧᑦ ᐱᓕᕆᕕᐊᓐᓂ ᓄᓇᕗᑦ ᑐᙵᕕᒃᑯᑦ (ᓄᓇᕗᑦ ᑐᙵᕕᒃᑯᑦ ᓄᓇᖅᑯᑎᖏᑦ) ᐃᓚᐅᔾᔪᒻᒧᑦ ᐃᓚᒋᔭᐅᓕᕐᒪᑕ ᐊᖏᖃᑎᖃᖅᓯᑎᒃ ᐆᒥᖓ Dr. Norm Duke-ᒥᒃ ᐃᓕᓴᐃᔨᖅᔪᐊᒥᒃ ᐃᓕᓴᐃᕕᖅᔪᐊᖓᓂ University of Western Ontario-ᒥ ᓇᐃᓈᖅᓯᒪᓪᓗᒍ ᐊᑎᓕᒃ ᐃᒫᒃ (UWO) ᐅᕙᓂ ᓄᓇᙵᓂ London, Ontario-ᒥ ᐃᓚᒋᔭᐅᔾᔪᑎᙱᑦᑎᒍᑦ ᓄᓇᕗᑦ ᑐᙵᕕᒃᑯᑦ ᑲᑐᔾᔨᖃᑕᐅᔾᔪᑖᑦ ᐱᓕᕆᔾᔪᑎᐅᑉ ᑐᑭᐊᒍᑦ.

ᑕᒪᓐᓇ ᐊᑐᕐᑕᐅᓗᓂ ᐊᖏᕈᑦ ᐅᓇ Dr. Duke-ᒧᑦ ᐊᑐᐃᓐᓇᐅᑎᑦᓯᓂᐊᕐᒪᑦ ᐱᖓᓲᓕᖓᔪᓂᒃ ᓄᓇᓕᕆᓂᕐᒧᑦ ᐅᔭᕋᒃᓴᓕᕆᔩᒃᓴᓂᒃ ᐃᓕᓐᓂᐊᖅᑎᓂᒃ ᐱᓕᕆᐊᕐᑲᓐᓂᐊᕐᒪᑕ ᐅᔭᕋᒃᓴᖅᓯᐅᖅᕕᒃᓴᒥᒃ ᐊᒻᒪᓗ ᓄᓇᖑᐊᓕᕆᒍᑎᓂᒃ ᓄᓇᐅᑉ ᐃᓗᐊᓅᖓᔪᓄᑦ ᒪᓕᒃᑐᓂᒃ ᐃᓄᐃᑦ ᓄᓇᖅᑯᑎᖏᑦᑎᒍᑦ ᐃᓗᐃᑦᑑᑎᒃᑯᑦ ᓇᓗᓇᐃᔭᕐᓯᒪᔭᑎᒍᑦ ᑕᐃᑲᓂ Belcher Islands-ᒥ. ᐃᓚᖃᑦᓗᑎᒃ, ᓄᓇᕗᑦ ᑐᙵᕕᒃᑯᑦ ᓄᓇᓕᕆᔾᔪᑎᐊᓂᒃ ᓴᓇᑎᑦᓯᓗᑎᒃ ᐃᓅᓱᒃᑐᓂᒃ ᐃᓕᓐᓂᐊᖅᑎᓂᒃ ᐃᓕᓐᓂᐊᖅᕕᖅᔪᐊᒥᒃ ᐱᔪᓂᒃ ᓇᑭᑐᐃᓐᓇᖅ ᓄᓇᓕᒃᑎᒍᑦ ᐊᕕᒃᑐᖅᓯᒪᔪᑎᒍᑦ ᐃᑲᔪᖅᑎᒋᔭᐅᓗᑎᒃ ᐱᓕᕆᓂᐊᕐᒪᑕ ᓄᓇᓕᕆᔩᓄᑦ ᐅᔭᕋᒃᓴᖅᓯᐅᕐᓂᕐᒧᑦ, ᐊᒻᒪᓗ ᒪᕐᕉᒃ ᐃᓅᒃ ᐅᔭᕋᒃᓴᖅᓯᐅᖅᑏᒃ.

ᓄᓇᕗᑦ ᑐᙵᕕᒃᑯᑦ ᐱᓕᕆᐊᒃᓴᓕᕆᖃᑎᖃᓐᓂᐊᕐᒥᔪᑦ ᑕᒪᑐᒨᖓᖓᔪᒧᑦ ᑲᓇᑕᒥ-ᓄᓇᕗᑦᒥ ᐅᔭᕋᒃᓴᓕᕆᓂᕐᒧᑦ ᑎᑎᕋᖅᕕᐊᓐᓂᒃ (C-NGO-ᑯᓐᓂᒃ), ᓄᓇᖑᐊᓕᕆᔩᑦ ᕿᖑᒻᒥᒐᖅᑎᖏᑦ ᑲᓇᑕᒥ ᑕᐃᔭᑦ (GSC-ᑯᓐᓂᒃ) ᐊᒻᒪᓗ ᐱᔪᓂᒃ Canada Centre-ᒥᒃ ᐅᖓᓯᒃᑐᒨᖓᔪᓄᑦ ᑕᕝᕙᓴᐃᓐᓇᖅ ᖃᐅᔨᓴᕈᑎᓂᒃ ᓇᐃᓈᖅᓯᒪᓗᒍ ᐃᒫᒃ ᑕᐃᔭᐅᓲᖅ (CCRS-ᒥᒃ). ᐅᑯᐊ ᑲᓇᑕᒥ-ᓄᓇᕗᑦᒥ ᐅᔭᕋᒃᓴᓕᕆᓂᕐᒧᑦ ᑎᑎᕋᖅᕕᐊᑦ ᐃᑲᔪᕈᑎᖃᓐᓂᐊᕐᑐᑦ ᒪᕐᑑᓐᓂᒃ ᖃᐅᔨᓴᕈᑏᖕᓂᒃ ᖃᐅᔨᓴᖅᑎᓄᑦ ᐊᑑᑕᐅᓂᐊᕐᑐᓂᒃ ᐱᓕᕆᐊᒃᓴᓄᑦ ᓄᓇᖑᐊᓕᕆᔾᔪᑎᓄᑦ ᐊᒻᒪᓗ ᓯᖅᑯᐃᔭᐃᔾᔪᑎᒃᓴᑦ ᐃᓕᓴᖅᓯᓐᓇᕐᓗᒋᑦ ᒪᑯᓂᖓ ᐱᑕᑖᑦ ᑲᓐᓄᐊᒐᓐᓂᒃ ᑕᕝᕙᓂ ᑐᑲᕋᖅ ᕿᑭᖅᑕᖓᓂ. ᓄᓇᖑᐊᓕᕆᓂᕐᒧᑦ ᖃᐅᔨᓴᖅᑏᑦ ᑲᓇᑕᒥ ᐊᒻᒪᓗ ᕿᑎᖓᓂ ᑲᓇᑕᐅᑉ ᐅᖓᓯᒃᑐᒨᖓᔪᒧᑦ ᖃᐅᔨᓴᕈᑏᑦ ᐊᑐᕐᑕᐅᔪᓐᓇᕐᒪᑕ ᖃᖓᑦᑕᖅᓯᒪᔪᒃᑯᑦ ᐊᒻᒪᓗ ᖃᖓᑦᑕᖅᑕᐅᓯᒪᔪᒧᑦ ᐊᑦᓚᕋᐅᔭᒧᑦ ᐅᖓᓯᒃᑐᒧᑦ ᖃᐅᔨᔾᔪᑕᐅᔪᓐᓇᕐᑐᑦ ᐊᔾᔨᓕᐅᕆᓗᑎᒃ ᑕᕝᕙᓴᐃᓐᓇᖅ ᐊᑑᑎᓂᖃᕈᓐᓇᕐᑐᑦ ᐊᒻᒪᓗ ᓄᓇᖑᐊᓕᕆᔾᔪᑎᓄᑦ ᐊᑐᖅᑕᐅᒍᓐᓇᖅᓱᓂ.

ᐱᔾᔪᑎᒋᓪᓗᒍ ᓄᓇᓕᕆᔾᔪᑎᒃᓴᖅ ᐱᓕᕆᐊᒃᓴᐅᓂᐊ ᖃᐅᔨᓴᕈᑕᐅᓗᓂ ᐃᓄᐃᑦ ᓄᓇᖅᑯᑎᖏᓐᓅᖓᔪᓄᑦ ᓄᓇᐅᑉ ᐃᓗᐊᓅᖓᔪᓂᒃ ᐃᓗᐃᑦᑑᓕᖓᔪᑦ ᓇᓗᓇᐃᔭᕐᓯᒪᔭᑎᒍᑦ ᑕᕝᕙᓂ ᓄᓇᙵᓂ Belcher Islands ᓯᖅᑯᐃᔭᖅᑕᐅᓂᐊᕐᒪᑕᓗ ᐱᐅᔪᒃᓴᓴᑦ ᐅᔭᕋᓴᑦ ᖃᓄᐃᑦᑑᓂᖏᑦ, ᐃᓕᓐᓂᐊᖅᑎᑕᐅᔭᕐᓗᑎᒃ ᐃᓕᓐᓂᐊᕐᑏᑦ ᐱᐅᓂᖅᓴᓯᑎᒥ ᐊᒻᒪᓗ Hᐃᓯᑯᒥ ᑕᒪᒃᑯᓄᖅᓯᖅᓱᔪᓂᒃ, ᐊᒻᒪᓗ ᐃᓚᒋᓕᐅᑎᓂᐊᕐᒪᑕ ᐊᑑᑎᓂᖃᕐᕕᖏᑦ ᐃᓄᐃᑦ ᓄᓇᖅᑯᑎᖏᓐᓅᖓᔪᑦ ᑕᒪᓐᓇ ᐱᓕᕆᐊᖑᑎᓪᓗᒍ ᓄᓇᓕᕆᓂᕐᒧᑦ ᐱᓕᕆᐊᒃᓴᖅ. ᑕᒪᕐᒥᒃ ᐱᓕᕆᓂᕐᒧᑦ ᐊᑑᑕᐅᓂᐊᕐᑐᑦ ᐱᒋᐊᕐᓗᑎᒃ ᓄᑖᕐᒍᑎᑦᓗᒍ ᐊᐅᒡᒍᓯ ᕿᑎᕐᓗᓄᑦ ᓯᑦᑎᐱᕆᒥ. ᖃᐅᔨᓴᖅᑕᐅᔭᑎᖏᑦ ᐅᖓᓯᒃᑐᒥᑦᑐᓄᑦ ᓯᖅᑯᐃᔭᖅᑕᐅᓂᐊᕐᒪᑕ ᐊᑐᒥ ᑎᑎᕋᖅᑕᐅᔪᓂ ᓄᓇᖑᐊᓂᒃ ᐱᓕᕆᕝᕕᖕᒥ ᖃᐅᔨᓴᖅᑕᐅᔭᑎᖏᑦ ᑲᓇᑕᒥ ᐊᒻᒪᓗ ᑲᓇᑕᐅᑉ ᕿᑎᖓᓂ ᖃᐅᔨᓴᕈᑏᑦ ᐅᖓᓯᒃᑐᒦᑦᑐᓄᑦ.

ᐱᓕᕆᐊᒃᓴᖅ ᐊᑑᑕᐅᔭᒻᒪᓂᐊᕐᑐᖅ ᐊᐅᓚᓯᕙᐅᓗᓂ ᐊᐅᔭᒃᑯᑦ ᒫᓐᓇ 2003-ᒥ ᓄᐊᑕᐅᓯᒪᔪᑦ ᐱᓕᕆᐊᖑ ᑖᕐᒪᑦ 2004-ᒥ. ᑕᒪᓐᓇᓗ ᐊᑑᑎᓂᖃᕐᓯᐊᓂᐊᕐᒪᑦ ᐱᓕᕆᐊᒃᓴᖃᕐᑕᐅᔪᓐᓇᕐᓗᓂ ᓄᓇᓕᕆᓂᕐᒧᑦ ᓯᕗᓂᒃᓴᒨᖓᔪᓐᓇᕐᒪᑦ ᐱᓕᕆᐊᒃᓴᓕᕆᓂᕐᒧᑦ ᓴᓇᑎᑦᓯᔾᔪᑎᒃᓴᖏᓐᓄᑦ ᓄᓇᑖᖅᑲᑕᐅᓯᒪᔪᑦ ᐃᓕᓐᓂᐊᕐᓂᕐᒧᑦ ᐅᔭᕋᒃᓴᓕᕆᔩᒃᓴᓄᑦ ᐃᓕᓐᓂᐊᕐᑎᓄᑦ ᑕᒪᒃᑯᐊ ᐊᕿᒃᓯᒪᔪᑦ ᓄᓇᓕᕆᔾᔪᑏᑦ ᐱᓕᕆᐊᒃᓴᑦ ᐊᑑᑕᐅᓗᑎᒃ.

ᐊᐅᓚᑦᓯᒪᕕᐅᓛᖅᑐᖅ ᓅᑦᑕᖅᑕᑦᑕᖅᓱᑎᒃ ᐊᒻᒪᓗ ᐲᔭᖅᑕᐅᖅᑲᑦᑕᖅᐸᓗᓂ ᐊᐅᓪᓚᑕᐅᓗᑎᒃ ᓄᓇᓕᒃᑎᒍᑦ

ᐱᓕᕆᑎᕐᓯᖃᑦᑕᕐᓗᑎᒃ ᐅᓯᔨᒃᓴᒥᓐᓂᒃ ᐅᒥᐊᒃᑯᑦ. ᓂᕐᑭᑖᕆᕙᒃᑕᖏᑦ ᐅᓯᔭᐅᖃᑦᑕᕐᓗᑎᒃ ᐅᒥᐊᒃᑯᑦ. ᐃᑳᖅᑎᑕᐅᖃᑦᑕᕐᓗᑎᒃ ᐊᒻᒪᓗ ᐊᐃᔭᐅᖃᑦᑕᕐᓗᑎᒃ ᐸᓪᓚᔫᒃᑯᑦ ᐅᒥᐊᒃᑯᑦ ᐊᐅᓚᑕᐅᑎᓕᖕᒍᑦ. ᐊᐅᓚᓕᕋᐃᒍᑎᒃ ᐱᓱᖕᓂᖅᓴᐅᕙᓪᓗᑎᒃ ᓇᓪᓕᐊᓐᓄᑐᐃᓐᓇᖅ ᐃᑳᓕᕋᐃᒍᑎᒃ.

ᖃᐅᔨᓴᕋᒃᓴᓂᒃ ᐱᕙᓪᓗᑎᒃ ᐅᔭᖅᑲᓂᒃ ᐊᒻᒪᓗ ᓄᓇᔭᓂᒃ ᐊᑐᕐᓗᑎᒃ ᓴᓇᕐᕈᑎᑐᐃᓐᓇᓐᓂᒃ ᑎᒍᒥᐊᕋᒃᓴᓂᒃ ᐊᑑᑕᐅᓰᓄᑦ. ᓴᓇᕐᕈᑎᑐᐃᓐᓇᐃᑦ ᓴᓇᕐᕈᑎᒋᕙᓪᓗᒋᑦ ᑎᒍᒥᐊᕋᒃᓴᑦ ᑲᐅᑕᐃᑦ, ᐅᓕᒪᐅᑏᑦ, ᓴᕕᐅᑏᑦ ᓄᓇᒥᒃ. ᖃᐅᔨᓴᕋᒃᓵᑦ ᓄᐊᑕᐅᕙᓪᓗᑎᒃ ᓄᓇᓂᒃ ᓄᓇᐅᑉ ᐃᓗᐊᓃᖓᔪᓂᒃ ᐲᖅᓯᓗᑎᒃ ᐃᑎᖅᓴᓕᐅᓪᓗᑎᒃ ᓄᓇᒥ, ᑭᖑᕚᑦ ᐅᑎᕐᑎᖅᑲᑦᑕᕐᓗᒋᑦ ᐃᑎᖅᓴᓕᐊᒥᓂ ᐲᖅᓯᕕᒋᒌᕋᐃᒍᓂᕐᔪᐊ ᖃᐅᔨᓴᕋᒃᓴᓂᒃ.

ᓯᕐᑯᐃᔭᕋᒃᓴᑦ ᓇᑭᑦ ᓄᓇᒥᒃ

NTS 33M – Snape Island (ᓯᓇᐃᑉ ᕿᑭᖅᑕᖓ)
    - IOL Parcel: SQ-05 (ᐃᓄᐃᑦ ᓄᓇᖁᑖᓂᒃ ᐃᓗᐃᑦᑑᖅ)
NTS 34D – Tukarak Island (ᑐᑲᕋᐅᑉ ᕿᑭᖅᑕᖓ)
    - IOL Parcels: SQ-01, SQ-03, SQ-04, SQ-05 and SQ-06 (ᐃᓄᐃᑦ ᓄᓇᖁᑖ ᐃᓗᐃᑦᑐᖅ)
NTS 43P – Part of 33M (Snape Island) (ᓯᓇᐃᑉ ᕿᑭᖅᑕᖓ)
    - IOL Parcel: SQ-05 (ᐃᓄᐃᑦ ᓄᓇᖁᑖ ᐃᓗᐃᑦᑐᖅ)
NTS 44A – Part of 34D (Tukarak Island ᑐᑲᕋᐅᑉ ᕿᑭᖅᑕᖓ)
    - IOL Parcel: SQ-05 (ᐃᓄᐃᑦ ᓄᓇᖁᑖ ᐃᓗᐃᑦᑐᖅ)