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# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 04 021 21R-M

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AFFILIATION: Korea Polar Research Institute

TITLE: Atmospheric Sciences and Terrestrial Ecosystem Studies in Victoria Island

### OBJECTIVES OF RESEARCH:

Climate change will affect our lives not only in the Arctic region but also around the globe. The Arctic ecosystem is particularly sensitive to climate change. Moreover, greenhouse gases release from the enormous reservoir of soil carbon in permafrost into the atmosphere could have a profound effect on the global climate. Thus, we aim to understand 1) how much greenhouse gas is exchanged between the atmosphere and permafrost and 2) how terrestrial ecosystem structure and processes change under the future climate scenarios.

### TERMS & CONDITIONS:

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report and the Department of Culture & Heritage archaeological sites terms and conditions. The license holder will abide by all special public health protection measures imposed by Nunavut's Chief Medical Officer of Health in response to the Covid-19 Pandemic, including restrictions on non-essential travel to Nunavut. These terms and conditions will form part of this licence.

### DATA COLLECTION IN NU:

DATES: September 08, 2021-September 20, 2021

LOCATION: Cambridge Bay, Grenier Lake

Scientific Research License 04 021 21R-M expires on December 31, 2021

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for   
Jamal Shirley  
Science Advisor

