



**Calvin Ehaloak**

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**John Yackel**

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Dear Calvin Ehaloak, Mosha Cote, and John Yackel:

**RE: NPC File # 150950 [Copernicus Expansion Missions Sea Ice Experiment (CEMSIE)]**

The following works and activities have been proposed in the above-noted project proposal:

1. The Proponent is proposing to undertake a research initiative (2025–2027) aimed at improving the accuracy of satellite-based snow and sea ice measurements in the rapidly changing Arctic marine environment. The proposed project focuses on developing and validating multi-scale observation methods to support new Copernicus Expansion Missions (CIMR, CRISTAL, ROSE-L). The scope of the activities includes:
  - Set up “Remote Sensing City” on landfast first-year ice near Cambridge Bay, Nunavut, for intensive in-situ measurement of snow and ice geophysical properties.
  - Deploy multi-band scatterometers, radiometers, and other surface-based EM instruments to simulate upcoming satellite sensors.
  - Conduct two dedicated airborne surveys with radar altimetry and microwave radiometry to bridge scale between ground measurements and satellite footprints.
  - Collect and harmonize satellite data from Sentinel, Copernicus missions, and other platforms for validation and spatial/temporal coverage.
2. Location: Kitikmeot Region; [marine areas near Cambridge Bay]

A complete description of the project proposal reviewed by the NPC can be accessed online using the link below.

The Nunavut Planning Commission (NPC) has determined that this project proposal is outside the area of an applicable regional land use plan. The project proposal requires screening by the Nunavut Impact Review Board (NIRB) because it does not belong to a class of exempt works or activities set out in Schedule 12-1 of the Nunavut Agreement.

By way of this letter, the NPC is forwarding the project proposal to the NIRB for screening. Project materials are available at the following address: <https://lupit.nunavut.ca/portal/registry/registry.aspx?appid=150950>

This decision applies only to the above-noted project proposal as submitted. Proponents may not carry out projects and regulatory authorities may not issue licenses, permits and other authorizations in respect of projects if a review by the NPC is required.

If you have any questions, please do not hesitate to contact me at (867) 447-4563.

Sincerely,

A handwritten signature in blue ink, consisting of the letters 'S' and 'A' connected by a horizontal line.

Solomon Amuno, PhD  
Senior Planner  
Nunavut Planning Commission