

## APPENDIX 1

**Previous Wildlife Research Permit Number:** N/A

**Title:** Northwest Territories Biodiversity Monitoring program – Daring Lake

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### Proposed activities

In the summer and early fall of 2023, we propose to deploy environmental sensors (acoustic recording units [ARUs], wildlife cameras, bat ARUs, snow depth gauges, and iButton temperature loggers) around the Tundra Ecosystem Research Station (TERS) on Daring Lake. We propose to setup up to 50 sampling stations within a 30 km radius of TERS. Sensors will primarily be accessed by ground (hiking) and boat transportation, with aircraft support when available. Figure 1 outlines the boundaries of the study area. Sensors will be deployed continuously for the 5-year project duration. During this time, sampling stations will be visited 1-2 times per year to download data, refresh batteries and memory cards, and undertake any other required maintenance.

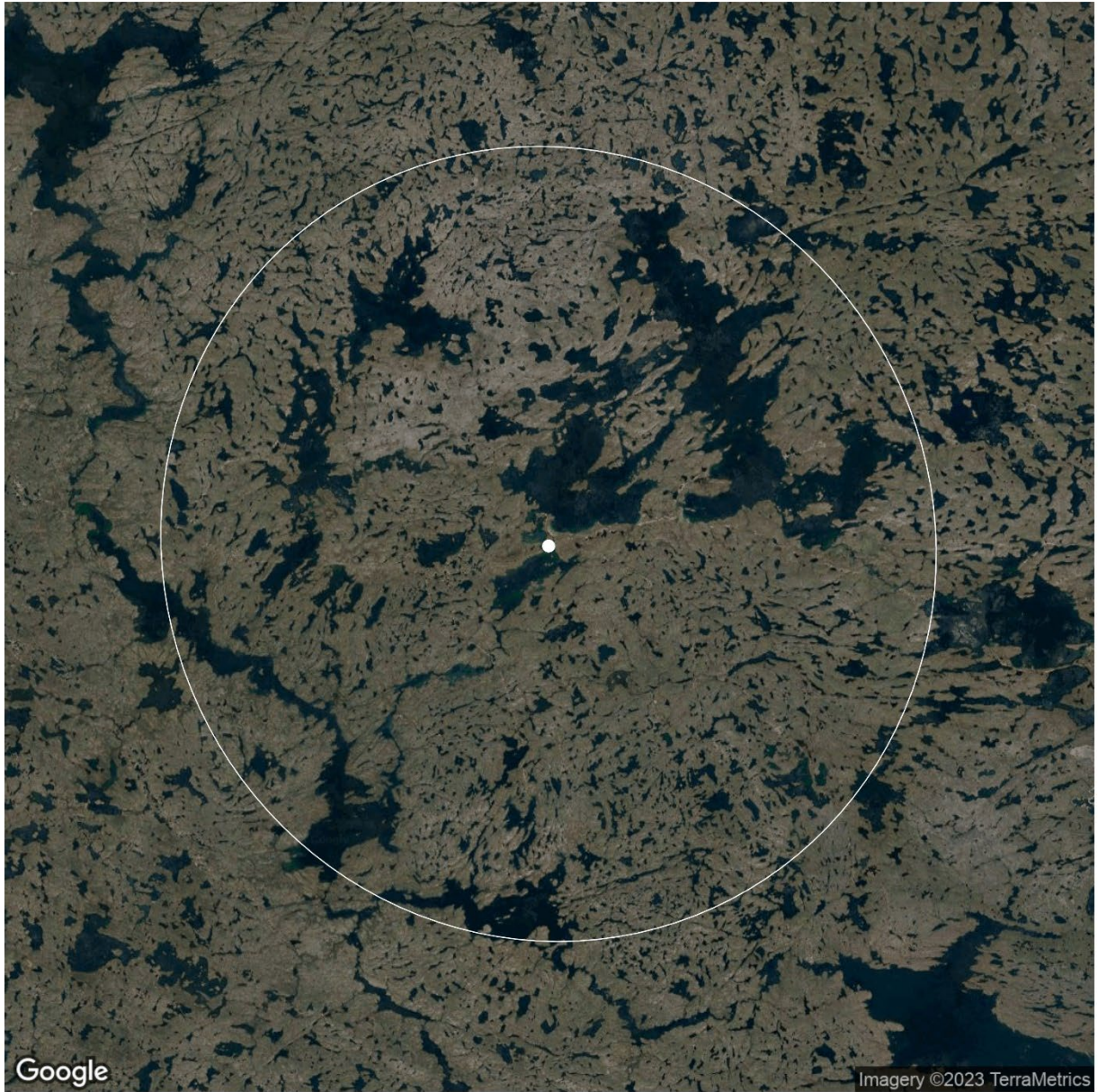


Figure 1. Study area (white circle) within which we propose to deploy environmental sensors around the Tundra Ecosystem Research Station at Daring Lake (white dot). The study area has a radius of 30 km.