



NWB Tools

Richard Dwyer <richard.dwyer@nwb-oen.ca>

2023 Winter Ice Road Technical Memorandum 2AM-BRP1831 - Updated

John Roesch <JRoesch@lands.kitia.ca>

Tue, Mar 5, 2024 at 5:15 PM

To: Richard Dwyer <richard.dwyer@nwb-oen.ca>

Dear Richard Dwyer, the KIA has reviewed the 2AM-BRP1831 Winter Ice Road Technical memorandum and has four comments. I have updated the first e-mail to include two extra comments just received from our consultants.

First there appears to be a mix-up with the years in Section 4 when the memorandum refers to evaluating ice conditions in late 2023 and the anticipated start is in early January 2024. This is considered a minor error in the memorandum.

Second, the KIA has checked free Sentinel satellite images of the WIR location, which are included below. From these pictures the WIR is clearly visible in the summer. The images are from August 2021 (on the left), prior to the WIR, and then August 2022 and August 2023 where one can easily see the road. Considering the slope between Bathurst Lake and Bathurst Inlet, The KIA has some concerns regarding changes in surface drainage conditions and potential impacts. The KIA therefore asks for the status of the summer terrain conditions along the WIR corridor to have a better understanding of the potential impact of the WIR on the terrain.

Third, Section 6 states closure of the road will include recovery of sand along the alignment, but no methods are provided as to how this difficult task will be accomplished.

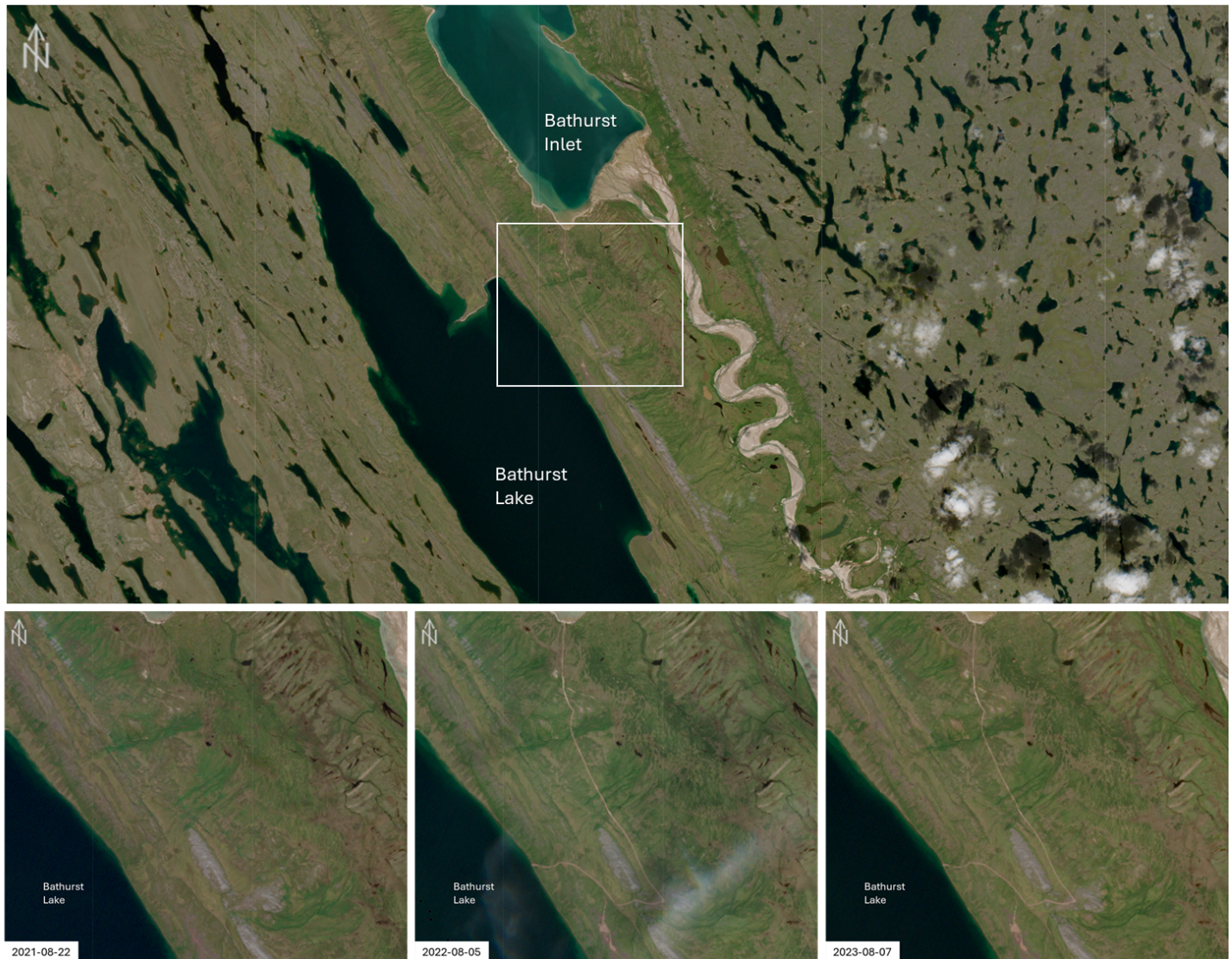
Fourth, Section 7 and Appendix B present water withdrawal limits for 55 lakes along the road alignment. There are no issues identified with the bathymetry work or conclusions on maximum water withdrawals. However, the DFO requirement for using end of pipe screens on fish-bearing water bodies (DFO 2020) is not discussed. If the fish bearing status of these lakes along the alignment is not known, fish screens need to be used on all intake pipes/hoses used to draw water for road construction.

Reference:

DFO. 2020. Interim code of practice: End-of-pipe fish protection screens for small water intakes in freshwater. Fisheries and Oceans Canada. Available at: <https://www.dfo-mpo.gc.ca/pnw-ppe/codes/screen-ecran-eng.html>

Thank you.

John



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