

*The NIRB is providing the below list of outstanding information which must be submitted within this monitoring year (i.e., before September 1, 2023).*

*The Board requires Sabina to submit within 45 days of receiving this recommendation a plan which outlines how and when the listed documents will be provided within the upcoming monitoring year to address the requirements of the Terms and Conditions:*

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**Nos 9 and 10 - Noise and Vibration**

*Demonstration of mitigation measures and monitoring undertaken throughout the year to achieve appropriate sound levels at site.*

*Sabina has obtained and operates decibel readers at the Back River Project site in which noise mapping of general areas can be completed and areas where noise protection is required are identified.*

*In addition, Sabina plans to bring a third-party Occupation Hygienist to conduct OHS atmospheric sampling, vibration monitoring, and noise monitoring annually, and this information will be provided in annual reports.*

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**Nos 11, 12 and 13 - Permafrost Monitoring and Sensitive Landform Mitigation**

*Information regarding the mitigation measures and monitoring that is occurring through construction to ensure permafrost integrity is maintained (e.g., permafrost mapping, monitoring of disturbed tundra, geotechnical investigations, etc.).*

*Sabina places high importance on ensuring that permafrost integrity is maintained. This is not only for environmental and flow path reasons, for monitoring and looking for potential changes in permafrost distribution, but also due to the fact that many of the infrastructure designs tie directly into the permafrost. For example, the Primary Pond, the first large water management structure being constructed, has a frozen foundation. The frozen foundation designs rely on a liner being keyed into the frozen permafrost foundation to achieve containment. The thermal design for these structures is based on passive heat transfer with the atmosphere and includes sufficient thermal cover, or dam fill, to limit warming and thaw of the foundation. Detailed thermal analysis was required for these critical infrastructure components and cross-sections to ensure that the design intent could be upheld during operation.*

*As part of the 2023 scope of works, Sabina has committed to revisiting the locations where past thermistors or Ground Temperature Cables (GTCs) have been installed, taking readings where possible, and generating an initial draft of Goose site Thermal Monitoring Plan. Once a draft of the Thermal Monitoring Plan is complete Sabina will submit this to NIRB (likely as part of the 2023 NIRB annual reporting package, if not earlier).*

*To date, Sabina has not constructed the larger and primary water management infrastructure. The construction of the first of the larger water management infrastructure, the Primary Pond, is being started now. As part of this construction a detailed thermal monitoring system is being installed. Additional details on the Primary Pond thermal monitoring are detailed in Sabina's December 5th, 2022 "Responses to Primary Pond report Comments" package; this package responded to comments raised by KIA, CIRNAC and ECCC on our Nunavut Water Board (NWB) Primary Pond Engineering Design Report. The instrumentation for the Primary Pond system (which includes a series of more than a dozen ground temperature cables within, upstream and downstream of this structure) is in the process of being procured now. Ground temperatures will be installed in 2023 and measurements will be collected around the Primary Pond location. During construction best efforts*

*will also be made to capture periodic spot readings of the permafrost in the Primary Pond construction locations where possible.*

*Some additional details and figures are presented at the end of this response package to overview some of the past ground temperature cable installations and provide some examples of the construction and long-term thermal monitoring planned for the Primary Pond.*

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**No. 52 - Caribou Mitigation**

*Evaluate the potential impacts to caribou from planned mineral exploration within its mineral tenures and outside the approved project development area with the Government of Nunavut, the Government of the Northwest Territories, the Kitikmeot Inuit Association, and other relevant parties.*

*Sabina confirms that there is currently no planned or occurring mineral exploration within its mineral tenures and outside the approved project development area which is based out of, or substantially supported by, infrastructure or operations at the Back River Project.*

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**No. 71 - Staff Schedule**

*Submission of a detailed staff schedule developed in consultation with the Kitikmeot Inuit Association and the Government of Nunavut to ensure that labour force requirements are as predicted in the FEIS and FEIS Addendum.*

*Sabina shall submit a staff schedule for the construction period in the 2022 Back River Socio Economic Monitoring Report submitted to NIRB. Sabina shall also submit a similar staff schedule for the operations period at the appropriate time.*

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**No. 72 - Registration of Trades Workers**

*Information regarding Sabina's efforts at ensuring that the Government of Nunavut has accurate information to assist in its role as overseer of the apprenticeship program.*

*Sabina continues to work towards the establishment of a Back River Apprenticeship training program which it aims to implement following a Commercial Production decision at the Project.*

*Sabina shall provide information regarding the current number of registered apprentices and journeypersons in the 2022 Back River Project Socio-Economic Monitoring Report submitted to NIRB.*

*Sabina continues to engage the Government of Nunavut through the SEMWG and KSEMC to discuss the Socio-Economic Monitoring Program for the Back River Project. Sabina engaged the Government of Nunavut, Department of Family Services to discuss apprenticeship programing in June 2022 via email and through a teleconference meeting on June 21, 2022. The Department of Family Services kindly provided Sabina with a "Career Development Information Sharing Document" which outlined apprenticeship eligibility requirements, regional territorial government contacts, as well as other training program information. Sabina would like to thank the Government of Nunavut for sharing this information.*

*Additionally, Sabina's Director, Human Resources maintains regular contact with the Department of Family Services, Supervisor of Apprenticeship, Trade, and Occupations Certification about changes to Sabina's trades workforce planning.*

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**No. 75 - Educational Opportunities**

*Summary of information and/or collaboration with the Back River and Kitikmeot Socio-Economic Monitoring Committees to review and monitor education utilization of project employees getting training in either the Kitikmeot Region or any Northwest Territories communities.*

Data on this topic have been sourced from a 2022 Inuit Personnel Survey, which was conducted at Project sites in November and December 2022. Results are currently being tabulated and will be provided in Sabina's 2022 Socio-Economic Monitoring Report submitted to NIRB. Draft copies of the survey have been available for the SEMWG and KSEMC to review since March 2022 (see Appendix B of Sabina's *Socio-Economic Monitoring Plan*, NIRB ID No. 338510). Most recently, the SEMWG was engaged on this topic during a June 2022 videoconference and several suggestions were provided on the survey. The SEMWG and KSEMC will continue to be engaged on this topic as appropriate.

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**No. 76 - Inuktitut/Inuinnaqtun Training**

*Summary of information regarding any second language courses offered at site.*

As outlined in the *Second Language Training Plan*, Appendix A, *Human Resources Plan* (NIRB ID No. 338510), Sabina is committed to offering training courses based on demand/upon request. To date, Sabina has not seen a demand for these course offerings, and none have been requested by employees.

Sabina has taken other measures to reduce the potential for language barriers to Inuit employment on site (i.e. the objective of Term & Condition No. 76), should they exist. Sabina's Community Liaison Officer (CLO) has conducted extended Project site visits multiple times in 2022 (i.e. one to two weeks at a time) and was available to offer interpretation/translation support that may have been required. To date, the CLO has not been asked to provide this support while on site.

Sabina has also developed an internal translated 'Glossary of Terms' that has been circulated to ensure that appropriate site signage is posted in English and Inuinnaqtun/Inuktitut to reduce language barriers should they exist. The Company has also noted to all staff at Project sites that if translation of a document or interpretation is required it will be provided by the Company.

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**No. 81 - Non-Traditional Activity and Resource Use**

*Summary of information regarding the consultations and monitoring undertaken with outfitting and guiding businesses that operate in the regional study area (land and marine) including effects in relation to the experience of the natural environment.*

An 'Outfitting and Guiding Business Consultation Protocol' is included in Sabina's *Socio-Economic Monitoring Plan* (NIRB ID No. 338510). Per this protocol, Sabina issued a biennial informational letter on April 12, 2022 to all companies in possession of a pending, current, or recent Outfitter Licence from the Government of Nunavut, whose community of operation includes either Cambridge Bay or Kugluktuk. Hunters and Trappers Organizations (HTOs) in Cambridge Bay, Kugluktuk, Bathurst Inlet, and Bay Chimo also received copies of this letter. One response was received to this letter (i.e. from Bathurst Inlet Lodge) and a follow-up meeting with Sabina was organized in May 2022 whereby mutual updates were provided and two requests for logistical support were made of Sabina. Sabina's future Socio-Economic Monitoring Reports will contain relevant updates pertaining to this Term and Condition.

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**No. 84 - Employee Housing**

*Summary of work conducted with the Kitikmeot Socio-economic monitoring committee, the Nunavut Housing Corporation and the Government of Nunavut on the design and implementation of a voluntary housing survey for Nunavummiut employees.*

Data on this topic have been sourced from a 2022 Inuit Personnel Survey, which was conducted at Project sites in November and December 2022. Results are currently being tabulated and will be provided in Sabina’s 2022 Socio-Economic Monitoring Report submitted to NIRB. Draft copies of the survey have been available for the SEMWG and KSEMC to review since March 2022 (see Appendix B of Sabina’s *Socio-Economic Monitoring Plan*, NIRB ID No. 338510). The Government of Nunavut is a member of both groups and coordinates the involvement of the Nunavut Housing Corporation as appropriate. Most recently, the SEMWG was engaged on this topic during a June 2022 videoconference and several suggestions were provided on the survey. The SEMWG and KSEMC will continue to be engaged on this topic as appropriate.

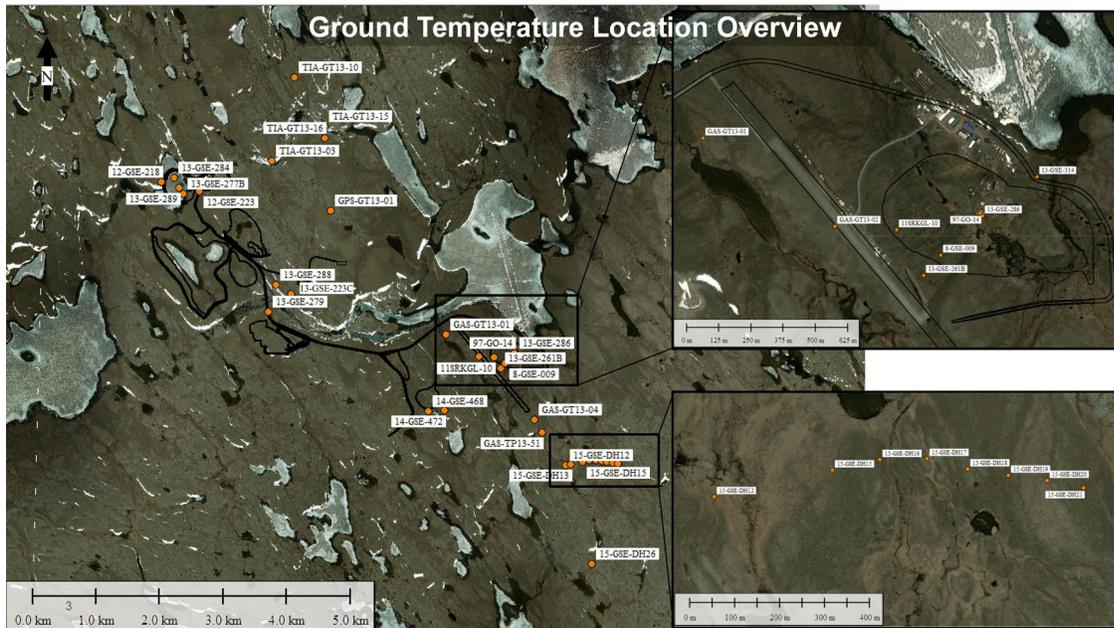
***Nos 11, 12 and 13 - Permafrost Monitoring and Sensitive Landform Mitigation (cont.)***

General - Historic Ground Temperature Cables

As part of, and as reported in the Goose Annual Geotechnical Inspections (AGI) which is a term and condition of Sabina’s Type A Water Licence (2AM-BRP1831), all the available ground temperature data was reviewed. A summary of that data is presented in the 2021 AGI report. Generally, the permafrost on site is seen to be ‘cold’ (generally below -20C at depth) and supports the approach that permafrost should be focused on being maintained below any section of infrastructure constructed over overburden (less critical for elements built over bedrock).

The last reading for most of the ground temperature cables was from 2015 or earlier. This noted, Sabina has put a plan together for 2023 to go and revisit ground temperature cable locations, that still exist on site and are accessible, to see if any additional readings can be opportunistically collected. Data collection will be attempted from the areas where historic instrumentation appears to still be active.

Figure 1 below shows an overview of the historic ground temperature cable locations.



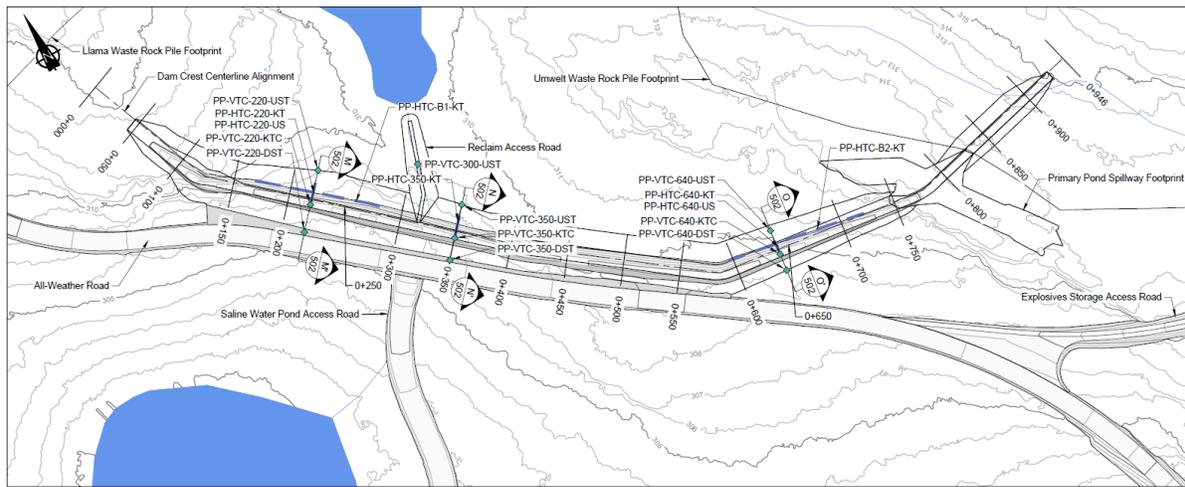
**Figure 1 - Overview of the Historic GTCs at the Goose Site (function / activity unknown)**

Locations around the airstrip, Echo Pit location and the future camp site have been removed or not active. The other areas (many further from the ongoing infrastructure development, or located in previously planned infrastructure) will be further investigated in 2023.

Primary Pond Instrumentation

As part of the Primary Pond design a detailed monitoring system has been included. For the Ground Temperature Cables (GTCs) monitoring is planned within embankment sections and at the upstream and downstream toes.

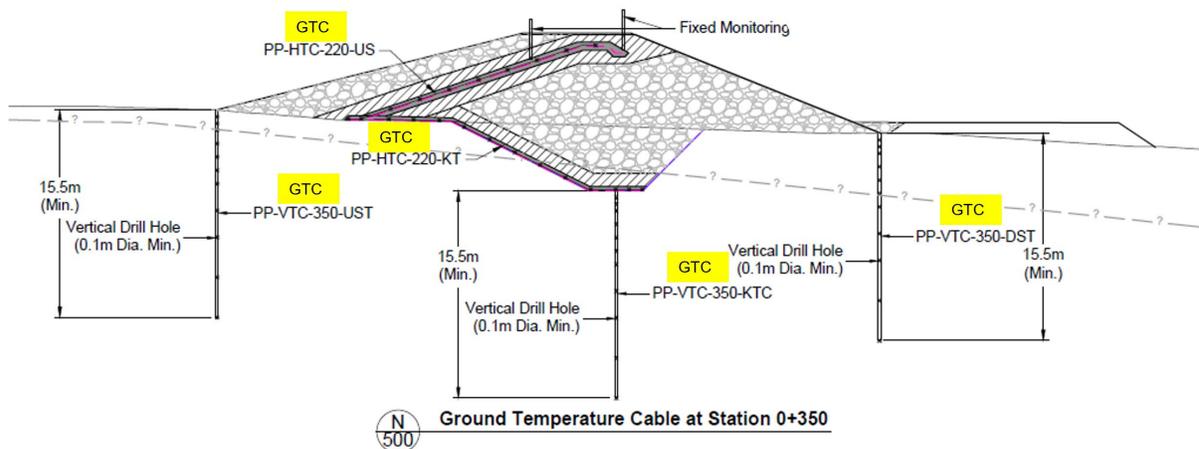
See Figure 2 for a plan view overview of the GTCs and Figure 3 for an example cross-sections of the GTC installations.



Primary Pond Dam Plan



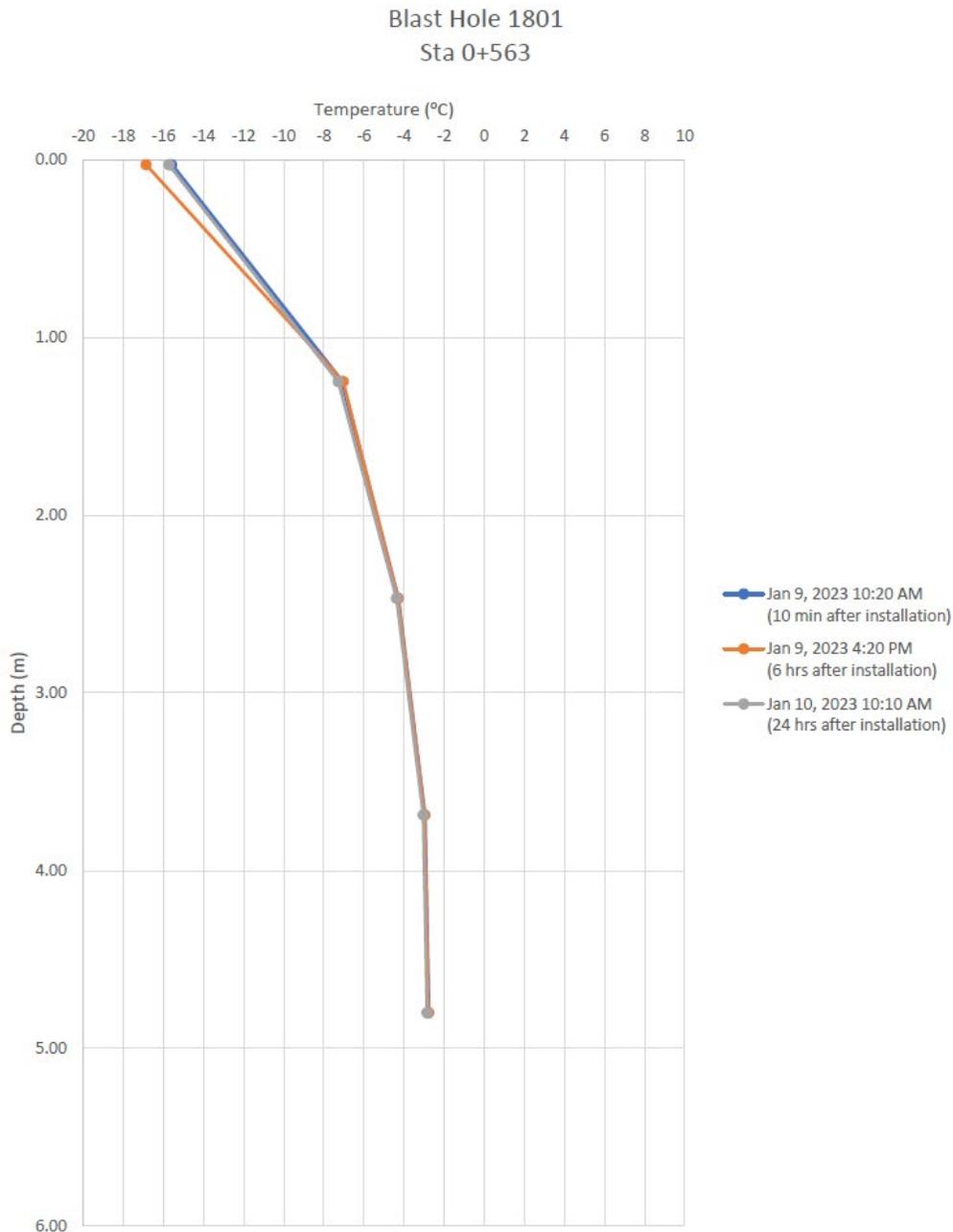
Figure 2 - GTC Monitoring at the Primary Pond - Plan View



Ground Temperature Cable at Station 0+350

Figure 3 - Example Primary Pond Monitoring Cross-Sections

During construction of critical infrastructure, best efforts will be carried out on site to collect additional ‘spot’ thermal data. An example of this is shown in Figure 4 below where some of the instrumentation on site (for the Primary Pond) was temporarily placed down a drilling blast hole to collect some additional thermal monitoring ‘spot’ data. This type of monitoring will be done more opportunistically when opportunities present themselves (typically done by the site field engineering or quality control or monitoring staff).



**Figure 4 - Example ‘Spot’ Field Ground Temperature Measurements Collected During Construction**