



B2GOLD

B2Gold Nunavut Energy Centre Atmospheric and Terrestrial

TSX **BTO**
NYSE AMERICAN **BTG**
NSX **B2G**

NIRB FINAL PUBLIC HEARING
FEBRUARY 2024

ACQUIRE

DISCOVER

FINANCE

BUILD

OPERATE

NUNAVUT IMPACT REVIEW BOARD

Date: **February 27, 2024**

Exhibit No: **4**

CAUTIONARY STATEMENTS



Respective risks and potential business benefits of the development reflect the production of the mine. B2Gold operates a 100% owned open-pit gold mine in the Yukon Territory, Canada. B2Gold's operations are subject to various risks, including but not limited to: commodity price fluctuations, foreign exchange rates, inflation, labor shortages, and regulatory changes. The information provided herein is for informational purposes only and does not constitute an offer of securities. B2Gold's operations are subject to various risks, including but not limited to: commodity price fluctuations, foreign exchange rates, inflation, labor shortages, and regulatory changes. The information provided herein is for informational purposes only and does not constitute an offer of securities. B2Gold's operations are subject to various risks, including but not limited to: commodity price fluctuations, foreign exchange rates, inflation, labor shortages, and regulatory changes. The information provided herein is for informational purposes only and does not constitute an offer of securities.

Forward-looking statements necessarily involve assumptions, risks and uncertainties, some of which are beyond B2Gold's control. These assumptions, risks and uncertainties may cause actual results to differ materially from those anticipated in the forward-looking statements. B2Gold's operations are subject to various risks, including but not limited to: commodity price fluctuations, foreign exchange rates, inflation, labor shortages, and regulatory changes. The information provided herein is for informational purposes only and does not constitute an offer of securities.

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Non-IFRS Measures

The following measures are non-IFRS measures and should not be used as a primary measure of B2Gold's performance. These measures are provided for informational purposes only and do not constitute an offer of securities.

Cautionary Note to United States Investors

The following information is provided for informational purposes only and does not constitute an offer of securities. B2Gold's operations are subject to various risks, including but not limited to: commodity price fluctuations, foreign exchange rates, inflation, labor shortages, and regulatory changes. The information provided herein is for informational purposes only and does not constitute an offer of securities.

NOISE MITIGATION & MONITORING OVERVIEW



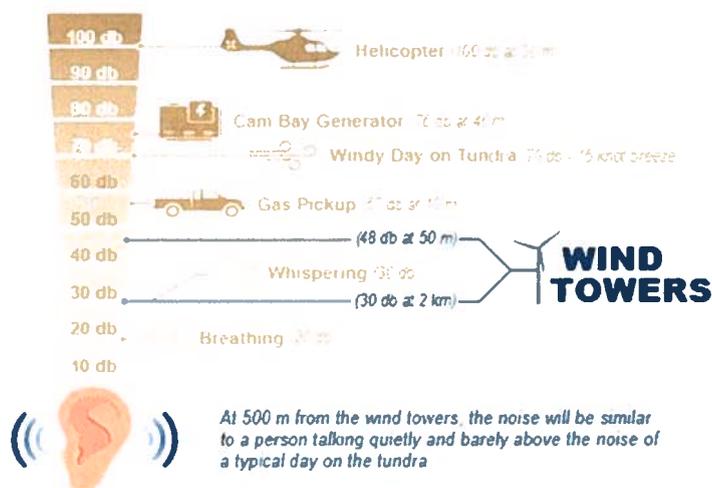
- ◆ The proposed wind turbine area is located within or directly adjacent to the existing Goose mine development area
- ◆ Mitigations relevant to the Modification and included in the Noise Abatement Plan include
 - > Ensuring equipment is fitted with appropriate mufflers and silencers;
 - > Using enclosures, berms, acoustic screening and shrouding where stationary sources requiring control are identified;
 - > Ensuring equipment is well maintained;
 - > Housing stationary sources in buildings, where feasible;
 - > Other possible general noise abatement measures that can be implemented on site to minimize static noise due to generators, vehicles, and other sources.

NOISE MITIGATION & MONITORING OVERVIEW



NOISE

Sabina conducted noise modeling to determine how loud the wind towers will be at various distances. Noise is measured in decibels (db) which is a logarithmic scale. That means the noise you hear doubles with every 7 db.



TECHNICAL COMMENTS



- ◆ 3 Technical Comments covering Noise
- ◆ 1 Technical Comments covering Climate Change
- ◆ Government of Northwest Territories: 1
 - > Resolved: 1
 - > Resolved with Commitments: 0
 - > Unresolved: 0
- ◆ Health Canada: 2
 - > Resolved: 2
 - > Resolved with Commitments: 0
 - > Unresolved: 0

TECHNICAL COMMENTS

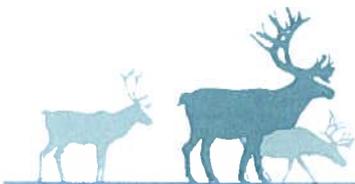


- ◆ Environment & Climate Change Canada: 1
 - > Resolved: 1
 - > Resolved with Commitments: 1
 - > Unresolved: 0

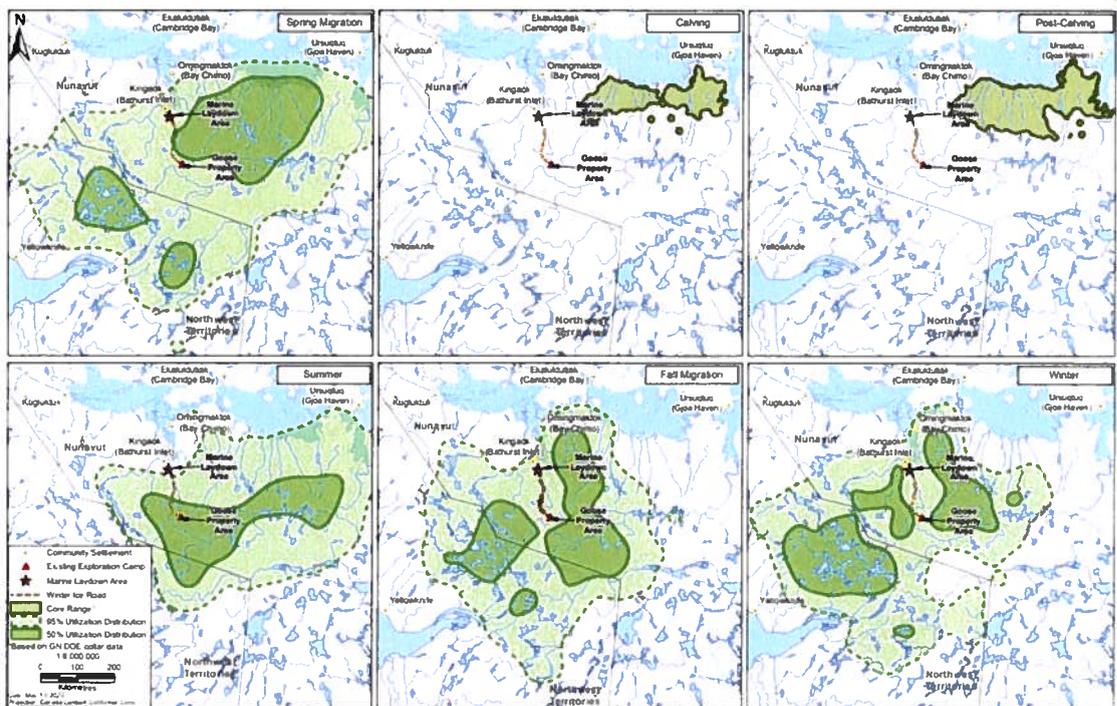
CARIBOU HERD INTERACTIONS



- ◆ The Beverly/Ahiak herd interacts with the Goose mine site during spring migration as well as summer, fall and winter.
- ◆ The Bathurst herd is generally west of and generally does not interact with the Goose mine site.
- ◆ The Dolphin and Union herd and the Peary herd do not interact with the Goose mine site.



BEVERLY & AHIAK HERD



Collar data provided by the Government of Northwest Territories.

Figure 2.3-2: Utilization Distributions of Beverly and Ahiak Caribou by Season, from Satellite Collar Data 2012-2021

EFFECTS ASSESSMENT ON CARIBOU



Potential Effect	Criteria	Indicator	FEIS Residual Effects?	Assessed Further for FEIS Addendum	Indicator
Habitat Loss (FEIS Section 5.5.2.1)	Change in Population Health	Amount (ha) of high-quality habitat lost or altered	Yes (precautionary due to importance of caribou)	Yes	Amount (ha) of high-quality habitat lost or altered
Disturbance due to Noise (FEIS Section 5.5.2.2)		Amount (ha) of high-quality habitat lost or altered	Yes (precautionary due to importance of caribou)	Yes	Amount (ha) of high-quality habitat lost or altered
Disruption to Movement (FEIS Section 5.5.2.3)		Traffic timing, and traffic volume	No	Yes	Location of movement corridors, traffic timing, and traffic volume
Direct Mortality and Injury (FEIS Section 5.5.2.4)		Traffic timing, traffic volume, and vehicle speed	No	No	Traffic timing, traffic volume, and vehicle speed
Indirect Mortality (FEIS Section 5.5.2.5)		Predicted increase in human access to wildlife RSA	No	No	Predicted increase in human access to wildlife RSA
Attraction (FEIS Section 5.5.2.6)		Attraction occurred at similar Projects in Nunavut and Northwest Territories	No	No	Attraction occurred at similar Projects in Nunavut and Northwest Territories
Exposure to Contaminants (FEIS Section 5.5.2.7)		Predicted Hazard Quotients for metals in environmental media and wildlife	No	No	Predicted Hazard Quotients for metals in environmental media and wildlife
Reduction in Reproductive Productivity (FEIS Section 5.5.2.8)		Literature suggests combined residual effects on caribou	Yes (precautionary due to importance of caribou)	No	Literature suggests combined residual effects on caribou

- ◆ The predicted effects of the approved Back River Mine plus the proposed energy centre remain unchanged from the approved Back River Mine 2014 FEIS.

INUIT QAUJIMAJATUQANGIT AND TRADITIONAL KNOWLEDGE

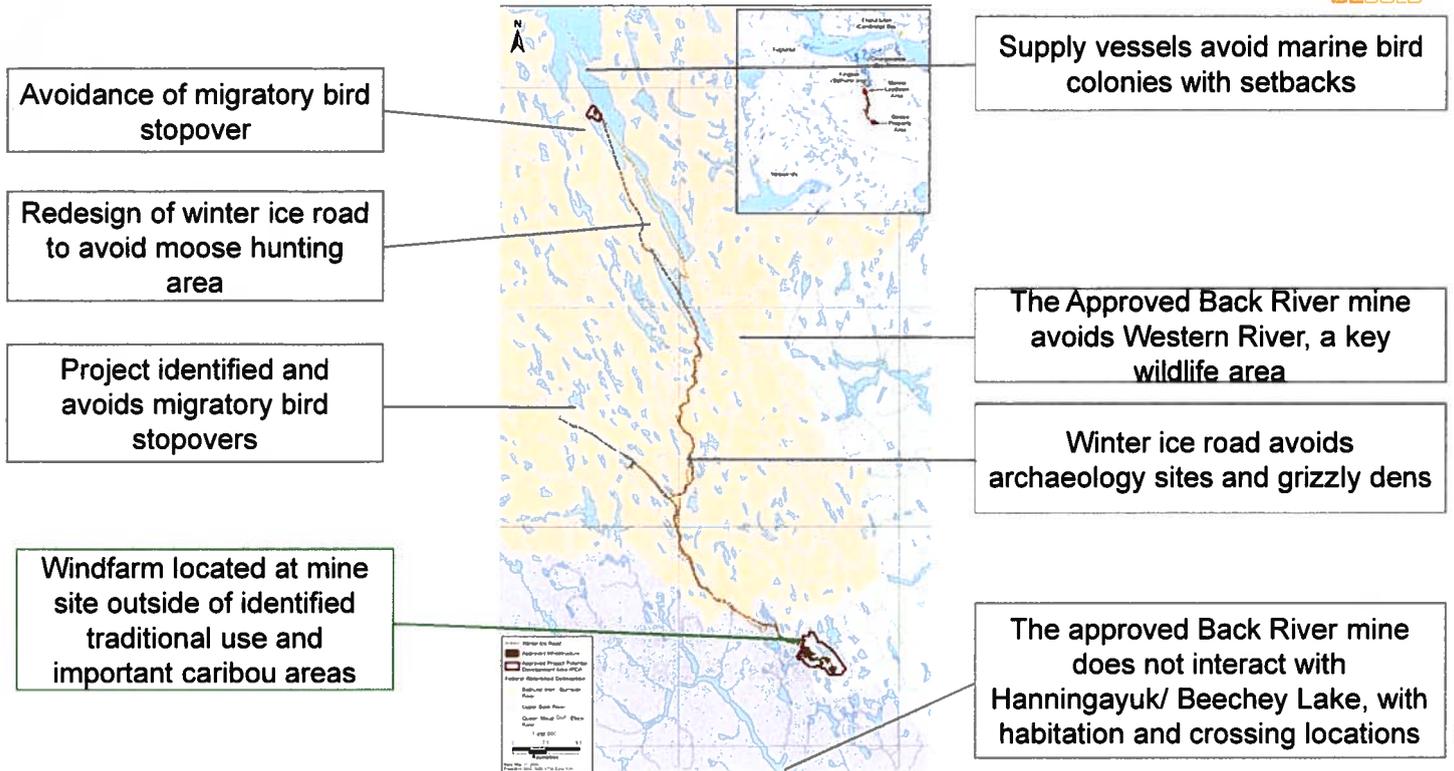


- Back River commissioned five reports on Inuit Qaujimaajatuqangit and Traditional Knowledge from the Kitikmeot and Northwest Territories.
- Back River also has an Inuit Environmental Advisory Committee (IEAC) that meets regularly and discuss mitigation and management with an IQ lens.
- Back River has incorporated IQ and TK into each tier of the mitigation hierarchy - project design, mitigation, management and reclamation plans.



Inuit Traditional Knowledge of Sabina Gold & Silver Corp., Back River (Hannigayok) Project, Naonaiyaoit Traditional Knowledge Project (KIA 2012)

AVOIDANCE OF WILDLIFE AREAS IDENTIFIED BY IQ AND TK



CARIBOU PROTECTION & MONITORING OVERVIEW



- ◆ The proposed wind turbine area is located within or directly adjacent to the existing and approved Goose mine site.
- ◆ To limit disturbance to caribou movement our existing wildlife monitoring and mitigation measures will be applied to the wind turbines:
 - > Collar monitoring
 - > Regional camera monitoring
 - > Behavior monitoring
 - > Ongoing and frequent Caribou Technical Advisory Group (CTAG) discussions
 - > Temporary shut-downs
- ◆ No change is expected in the 2015 FEIS conclusion for caribou with the addition of the proposed energy centre.



BASELINE STUDIES FOR BIRDS



- ◆ IQ and TK reports and comments
- ◆ Stand Watch Surveys
- ◆ PRISM Plots
- ◆ Standard Area Survey
- ◆ Autonomous Recording Units
- ◆ Aerial survey for raptor nests
- ◆ Aerial survey for waterbird staging
- ◆ Spring, Summer, Fall

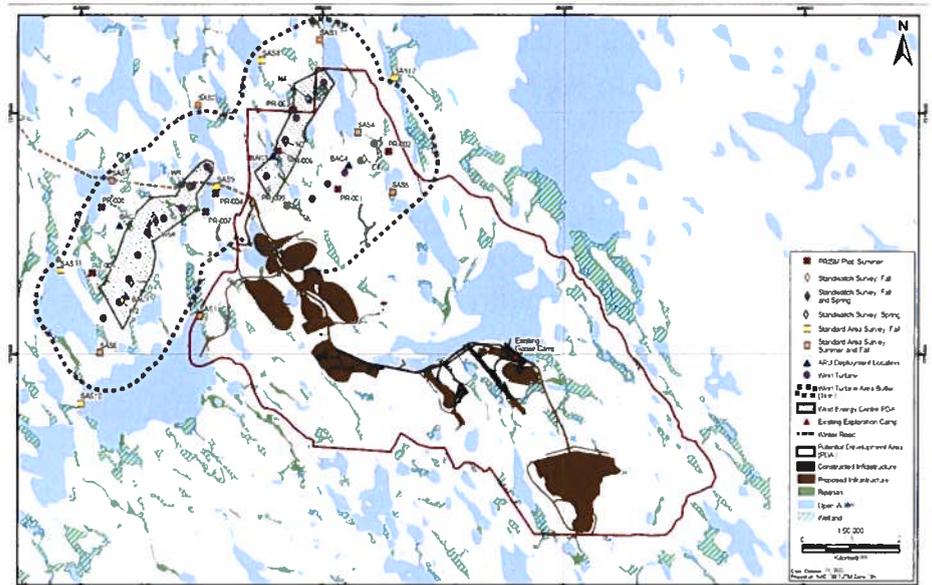


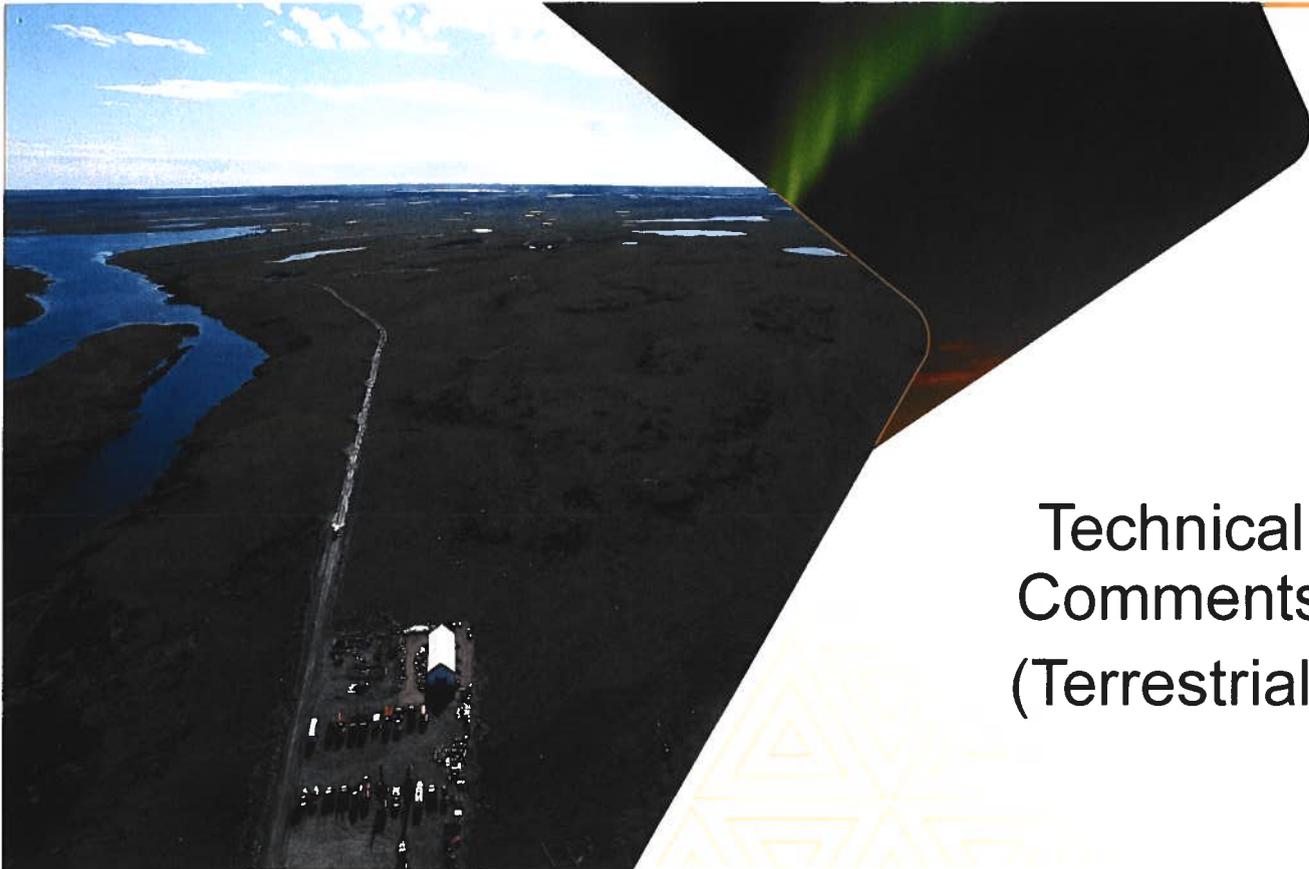
Figure 1-1: Survey Locations for Terrestrial Wildlife

MIGRATORY BIRD AND RAPTOR PROTECTION OVERVIEW



- ◆ The proposed wind turbine area is located within or directly adjacent to the existing Goose mine development area.
- ◆ Infrastructure, including proposed Wind Tower Generators, are situated to avoid raptor nesting territories and waterbird key breeding or staging areas.
- ◆ Pre-clearing surveys will be conducted to ensure all nests in the area are located and avoided.
- ◆ Wind Tower Generators are spaced so birds can still maneuver around turbines (i.e., spacing ~ 500 m apart).





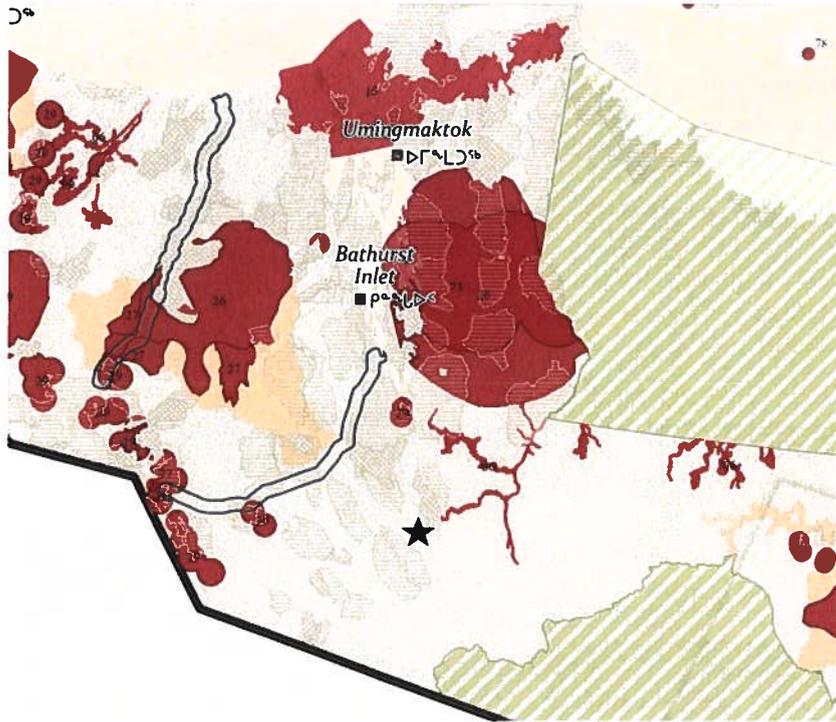
Technical Comments (Terrestrial)

TECHNICAL COMMENTS



- ◆ 11 Technical Comments covering Caribou & Terrestrial Wildlife
- ◆ 12 Bird & Bird Habitat
- ◆ 2 Technical Comments covering Vegetation
- ◆ 3 Technical Comments covering Geotechnical & Permafrost
- ◆ Kitikmeot Inuit Association Comments: 11
 - > Resolved: 11
 - > Resolved with Commitments: 9
 - > Unresolved: 0
- ◆ Government of Nunavut: 5
 - > Resolved: 5
 - > Resolved with Commitments: 4
 - > Unresolved: 0

NUNAVUT PLANING COMMISSION



Excerpt from Map A – Land Use Designations from the 2023 Draft Nunavut Land Use Plan, Nunavut Planning Commission.

PROPOSED LAYOUT

