

BRONZITE EXPLORATION CORP.

Abandonment and Restoration Plan

Somerset Trough Project

Somerset Island, Nunavut, Canada

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REVISION HISTORY

The table below is a revision history table that outlines the revisions made by Bronzite Exploration Corporation to this document.

Version	Date	Section	Summary of Changes
0	April 30, 2024	All	Submission to NIRB, CIRNAC, and GN as per NIRB Screening Decision Report
1	January 25, 2025	1	Updated figures
		3	Updated Progressive Reclamation section with additional measures

1.0 Introduction

Bronzite Exploration Corporation (Bronzite) is a mineral exploration company holding mineral claims in the Western Somerset Island Watershed of Somerset Island, Nunavut. Bronzite is planning construction of a small camp on the claim block to conduct mineral exploration activities.

This Abandonment and Reclamation Plan (ARP) has been developed for Bronzite's Somerset Trough Project (the Project). The purpose of the ARP is to provide guidelines for seasonal shutdowns, reclamation, and final abandonment of the Project site. The ARP will be consistent with relevant legislation such as the *Mine Site Reclamation Policy of Nunavut*. The ARP has been developed to describe procedures for the proposed 2025 camp and exploration activities. The document will be reviewed and updated on an annual basis, or as the scope of the Project evolves.

The 2025 field program will consist of airborne surveys, prospecting, geological mapping, rock and channel sampling, and ground-based electromagnetic geophysical surveys. No drilling will take place during the 2025 field season but could commence in 2026 or 2027.

See Figures 1 and 2 for the general location of the exploration camp, as well as the full extent of the Project area where exploration activities may take place. No ground-based work will be conducted on Inuit Owned Lands without the proper authorizations from either the Qikiqtani Inuit Association (QIA) or the Kitikmeot Inuit Association (KIA).

Figure 1. Project Location

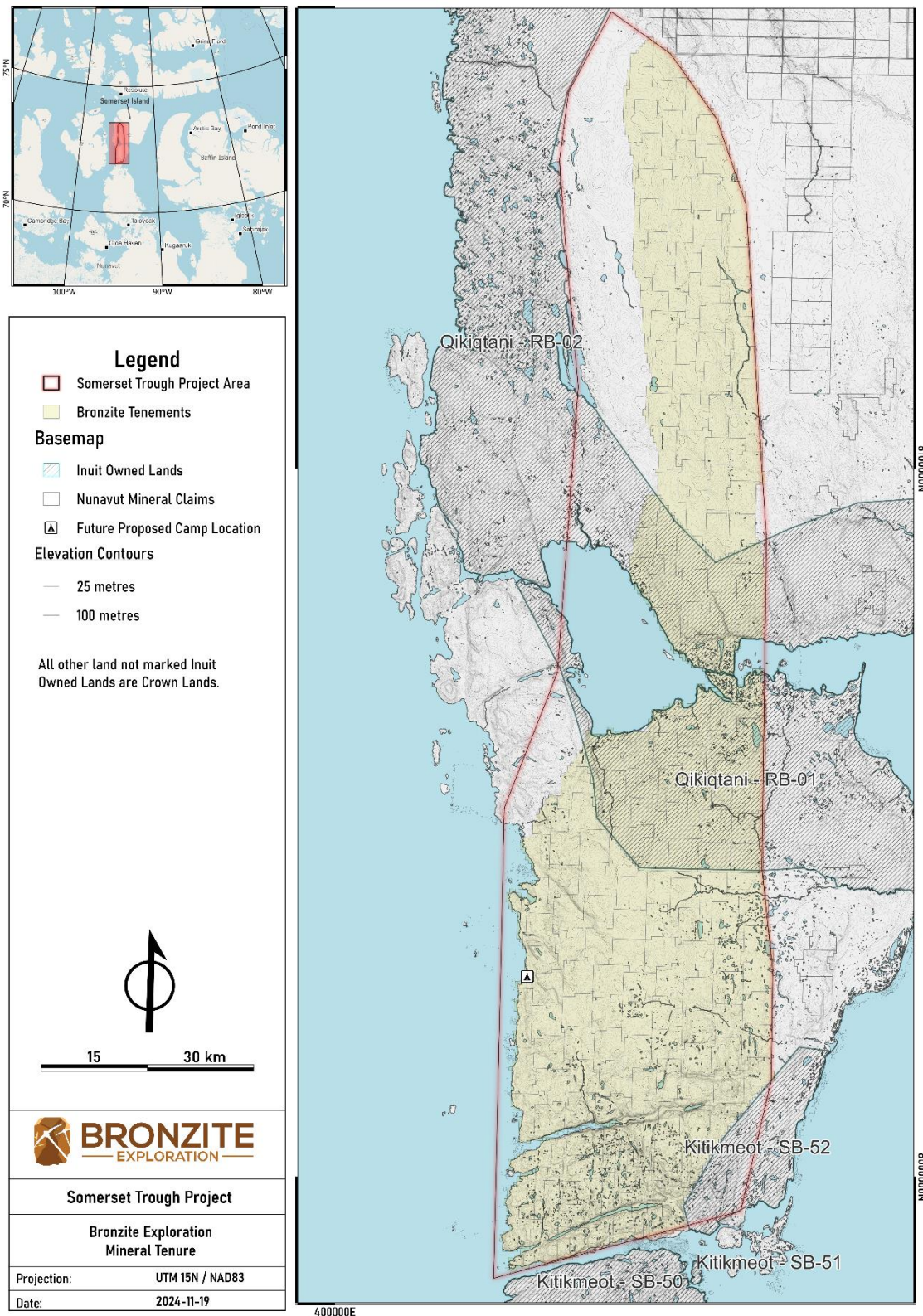


Figure 2. Camp Area

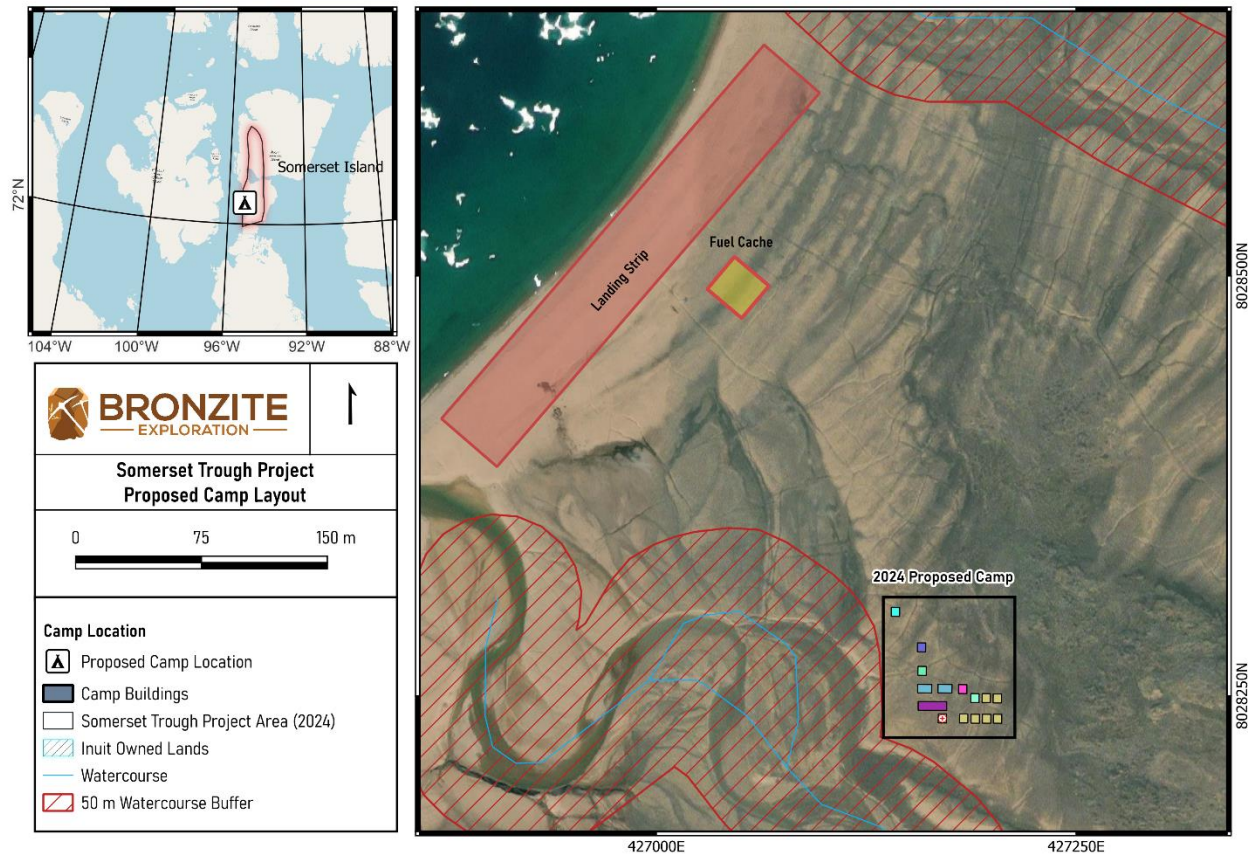
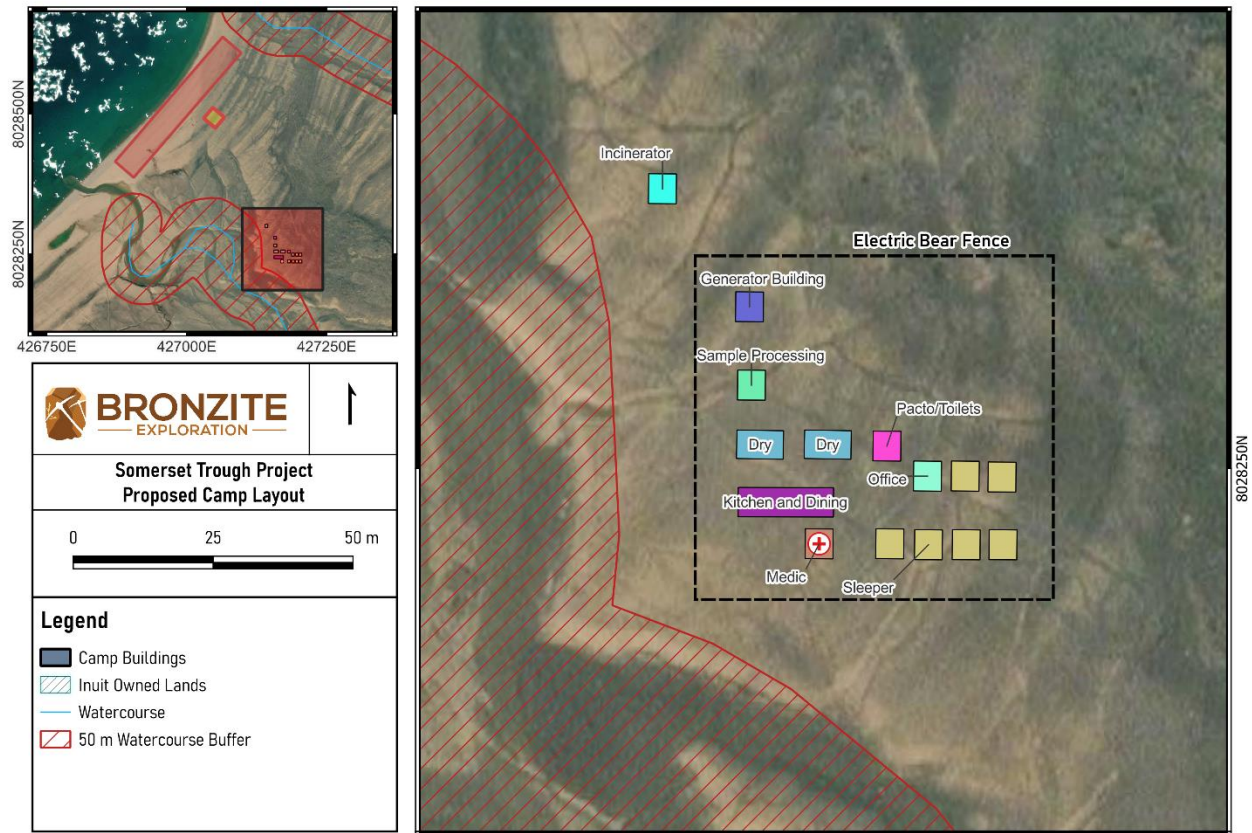


Figure 3. Camp Layout



All employees and contractors working on site must be familiar with the contents of the ARP, which will be printed and posted in the main kitchen tent at site. Training will be provided by supervisors as needed.

The site supervisor for the Somerset Trough Project, and main contact for all abandonment and reclamation matters is listed below:

Samuel Robb, Vice President, Exploration
 300-181 University Ave.
 Toronto, ON M5H 3M7
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2.0 Infrastructure and Equipment

2.1 Camp

An exploration camp consisting primarily of Weatherhavens will be constructed within the Western Somerset Island Watershed. All Weatherhavens will be heated by high-efficiency Toyotomi Laser 730 or Oil Miser 22 Diesel Stoves. See Table 1 for a full list of temporary structures to be constructed for the camp.

Table 1. Camp Structures

Facility	Quantity	Size and Description
Shared Sleeper Units	6	14'x16' Weatherhavens – 3 beds per unit
Kitchen and Dining	1	16'x48' Weatherhaven – furnished with a fully operating kitchen, dining for up to 20 people, and food storage space
Camp Drys	2	16'x24' Weatherhaven with 2 showers, 2 sinks, and 2 sets of washers and dryers
Storage Tent	1	16'x24' Weatherhaven with space for equipment storage
First Aid Tent	1	14'x16' Weatherhaven furnished with sleeping accommodations for the medic, patient bed, and space for First Aid supplies
Washroom	1	14'x16' Weatherhaven with 2 Pacto toilet stalls and a hand washing sink
Sample Processing Tent	1	16'x24' Weatherhaven with LED lighting and shelving
Incinerator Building	1	Prefabricated metal structure for containing and protecting incinerator from the elements. The unit will contain PPE required for incinerator operation.
Generator Building	1	8'x16' wooden structure for housing the 2 generators, main electrical panels and small tool crib

2.3 Fuel and Chemicals

See Table 3 below for a list of fuel and chemicals to be stored at the Somerset Trough Project.

Table 3. Fuel and Chemicals

Product	Quantity	Storage Container
Jet fuel	400	205 L drums
Diesel	95	205 L drums
Gasoline	5	205 L drums
Liquid nitrogen	1	40 L container

3.0 Progressive Reclamation

Bronzite is committed to conducting operations in the Project area in a way that enhances environmental protection, reduces environmental impact, and ultimately shortens the timeframe and potential costs of achieving closure objectives. Bronzite's environmental protection practices will seek to protect the land, air, water, and wildlife in the Project area and minimize impact of the Project. Examples include:

- Storing fuel and chemicals in secondary containment, and reporting and cleaning up spills immediately as per the Bronzite Spill Contingency Plan
- Properly storing, handling, and disposing of waste as per the Bronzite Waste Management Plan
- Operating the site incinerator in a manner consistent with manufacturer recommendations, and providing effective training to all incinerator operators
- Using recirculation and filtration systems for drilling to minimize water use and the use of environmentally safe drill additives
- Disposing of drilling and camp greywater in excavated sumps or natural depressions, as permitted by site authorizations
- Reclaiming drill sites immediately by removing all equipment and debris and removing drill casings. If casings can not be fully removed, they will be cut off at or below ground level and capped. Photos of each drill site will be taken prior to the mobilization of a drill, after its removal, and after the site has been remediated.
- Plugging and cementing any holes which come in contact with artesian water flow
- Completing thorough camp inspections and clean-ups prior to each seasonal shutdown, as per Section 4

4.0 Seasonal Shutdowns

Following completion of each field season, including the 2025 summer program, Bronzite proposes keeping the camp on the land for use the following field season to continue exploration work. As per the *Territorial Land Use Regulations*, Bronzite will seek written approval from the Crown Indigenous and Northern Affairs Canada engineer to leave the camp largely intact until crews return. Equipment will be stored in a manner, at a location, and for a duration approved by the engineer.

All camp equipment will be properly stored within the site structures, and the buildings and Weatherhavens will be winterized and secured to keep out wildlife. Camp sumps will be backfilled and photographed for reporting purposes prior to leaving site for the season. All domestic waste will be incinerated prior to final demobilization, and all ash will be removed from the incinerator chamber, packaged, and removed from site as per the Waste Management Plan. All other residual waste will be removed from site when crews are demobilized for the year. Machinery such as snowmobiles, ATVs, and drills will likely be removed from site at the completion of the field season. Machinery left behind in the off-season will be drained of all fluids and securely stored at site. All remaining fuel on site will be consolidated at the main fuel cache within secondary containment and clearly marked.

Bronzite will conduct a thorough end-of-season inspection of the work areas to check for:

- Hydrocarbon staining, which would require clean-up prior to demobilization
- Fire and safety hazards
- Debris or litter on the tundra, or unsecured products that could blow onto the tundra
- Possible points of entry for wildlife into camp structures
- Major sources of wildlife attraction, such as leftover food products or open fuel containers
- Undrained engines, lines, or pipes that could become damaged in extreme temperatures
- Compromised or unsealed drums in the main fuel cache, or hydrocarbons that are not within secondary containment

See Appendix A for a copy of the site inspection checklist. Bronzite commits to photographing the camp area for reporting purposes prior to final demobilization.

As per Land Use Permit N2024C0005, Bronzite will notify the CIRNAC Engineer within 10 days of seasonal closure of the land use area.

5.0 Final Abandonment and Restoration

At final site abandonment, all structures, equipment, supplies, fuel, and chemicals will be removed from the property. Bronzite will work directly with drilling contractors to ensure that all drilling equipment and supplies are packaged and removed from site, and that all drill casings are removed or cut off at or below ground level. Bronzite will consult with the Land Use Inspector to

determine if any wood debris, such as the tent frames, can be open burned in accordance with the *Nunavut Environmental Guideline for the Burning and Incineration of Solid Waste*. Some materials may be salvaged by local businesses or communities prior to removal from site.

All remaining waste and fuel will be removed from site. Containment berms will be removed from site, and the soil underneath and surrounding the berms will be thoroughly inspected for hydrocarbon staining. Waste will be shipped to an approved waste facility, and unused fuel will be sold or donated, preferably to local businesses or communities.

Land disturbances will be recontoured and stabilized to their original topography. Sumps will be refilled and recontoured after the waters have penetrated the surrounding soils and water levels have reached a sufficiently low level.

Bronzite will complete a detailed site inspection, complete with photographs, prior to final abandonment. As per Land Use Permit N2024C0005, Bronzite will advise the Land Use Inspector of the following at least 10 days prior to the completion of the land use operation:

- a plan for removal or storage of equipment and materials; and
- when final clean-up and restoration of the lands used will be completed.

Bronzite will complete all other reporting as per the applicable site authorizations at the time of final closure, and relevant authorities and communities of interest will be advised.

6.0 Post Closure Monitoring

Bronzite will adhere to relevant policies, guidelines, and terms and conditions of site authorizations for post closure monitoring. Bronzite anticipates extensive engagement with local communities, Inuit Associations, and regulators to determine the nature and the extent of post closure monitoring for Bronzite Project sites.

The Abandonment and Restoration Plan will be reviewed and amended on an annual basis, as necessary, as the Somerset Trough Project progresses. Amended versions will incorporate new site infrastructure and equipment, as well as new technologies and procedures used to protect the environment in and around the Project area.

Appendix A: Site Inspection Checklist

Inspected by:

Date:

MAIN CAMP AREA

Good housekeeping (free of debris or litter, supplies well organized, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Waste properly sorted and securely stored	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Fuel containers free of damage	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Fuel within secondary containment	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Area free of spills or hydrocarbon staining	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Potable toilets well maintained and hygienic	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Generator operating properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Bear fence operating properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Signs of wildlife (tracks, scat, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Safety hazards around camp?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:

INCINERATOR

Good housekeeping (free of loose food waste, supplies well organized, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
PPE in good working condition	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Incinerator running properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Ash removed and stored properly	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Incinerator fuel supply properly contained	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Signs of wildlife (tracks, scat, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Safety hazards at the incinerator?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:

FUEL CACHE

Drums sealed and free of damage	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Drums contained within secondary containment	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Containment berms in good working order	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Area free of spills and hydrocarbon staining	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Fuel cache flagged to increase visibility	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Signs of wildlife (tracks, scat, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:
Safety hazards at the fuel cache?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Comments:

General comments:

Inspector signature	Date
Supervisor signature	Date