

Preliminary Information FORM

1. IDENTIFICATION AND COORDINATES OF PROMOTOR

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|---|------------------------------------|
| 1.1 Identification of promotor | |
| Name : Galaxy Lithium (Ontario) inc. | |
| Address : 2000 Peel St, office 720, Montreal QC H3A 2W5 | |
| Postal Address : Same | |
| Name and Function of delegated signatory authorised to submit the application : Denis Couture, General Manager, Galaxy Lithium (Canada) inc. | |
| Phone number : 514-558-1855 | Phone number (cell) : 514-895-9530 |
| Email : denis.couture@gxy.com | |
| 1.2 Organisation | |
| Quebec Business Number (NEQ) : 1165192569 | |
| 1.3 Board resolution | |
| Board resolution authorising M. Couture to sign is attached in Appendix I | |
| 1.4 Identification of consultant | |
| Name : SNC-Lavalin inc. Mines et Métallurgie | |
| Address : 5400 boul. des Galeries, office 450, Quebec city QC G2K 2B4 | |
| Postal Address : Same | |
| Phone number : 514-393-1000 | Phone number (cell) : 819-825-2233 |
| Email : sandra.pouliot@snclavalin.com | |
| Description du mandat : Project Director | |

2. LOCATION AND PROJECT SCHEDULE

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| 2.1 Identification and location of project |
| The project is located on the Eeyou Istchee Baie James territory - 2 km South-East of Desmaraisville – on Waswanipi's trapping grounds. |
| Those are Category III lands according to the NQJBA |
| Central point of project is at : Latitude : 49°29'43.78" Longitude : 76°10'9.85" |
| 2.2 Description of hosting site |
| <p>The project being the rehabilitation of an abandoned site, the proposed works will affect a contaminated site in order to attain a reusable state compatible with its nearby environment. The current condition is a tailings pond with a breach that had let outflow in the surroundings. It is located on Category III lands. Subsurface rights (claims) are held by Bonterra.</p> <p>The forest near the tailings pond consists mainly of softwoods dominated by black spruce (<i>Picea mariana</i>), often accompanied by balsam fir (<i>Abies balsamea</i>). There is a wetland with an area of approximately 33 ha approximately 300 m west of the tailings pond. The Quebec Heritage Data Center (CDPNQ) does not mention any plant species that is threatened, vulnerable or likely to be designated near the site. The outflow from the breach invades on some 5 ha of wetland (see the Génivar map, 2010).</p> <p>The tailings pond and its outflow are on the W-24A trap territory owned by Frank Blacksmith of Waswanipi. Mr. Blacksmith was met by the Galaxy representatives and was pleased with the rehabilitation project for this unusable segment of his territory.</p> |
| 2.3 Schedule |
| <p>The schedule for the rehabilitation works of the property Coniagas is planned as follows:</p> <ol style="list-style-type: none">1. Applications for Authorization and Detailed Engineering: Fall 20192. Preparatory work - study, development of borrow pits: winter 20203. Work on site - construction of berms and natural covers: summer 20204. Finalization of works: winter 20215. Revegetation: Summer 20216. Post-rehabilitation follow-up: 2021-2031 <p>However, this schedule depends on the issuance of government authorizations, namely the approval of the rehabilitation plan by the MERN and the MELCC, the exemption of the COMEX process, the</p> |

leases of borrow pits as well as the authorizations of works (site and borrow pits) by the MELCC. Should the authorities delay issuing the authorizations or exempting the project to the COMEX process, this schedule would be delayed by one year or more as the main work is scheduled for a Summer season.

2.4 Location plan

Maps attached in Appendix III are:

Figure 1. Plan de localisation, Génivar, 2010

Plan 2-1. Plan de localisation, SNC, 2019

3. PROJECT GENERAL PRESENTATION

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| 3.1 Project Title |
| Coniagas tailings pond rehabilitation plan |
| 3.2 COMEX process |
| The rehabilitation projects are not mentioned in Appendix A nor in Appendix B. The project is related to the mining industry but is not a mining project; it does not aim at exploitation. As the project is subjected to obtain a certificate of authorization pursuant to section 22 of the EQA since it will involve work in a wetland, the confirmation of an exemption to the procedure mentioned in sections 153 to 167 of the EQA, is requested. |
| 3.3 Brief description of project and alternatives |
| The proposed rehabilitation scenario for the Coniagas tailings pond corresponds to a single-layer cover made of natural material with raised water table in the former tailings area and in the spill zone area. The performance of the rehabilitation scenario was validated using hydrogeological modeling. The geotechnical design criteria were determined in accordance with the requirements of the Guide for the Preparation of the Redevelopment and Restoration Plan for Mineral Sites in Quebec (MERN, 2017). The plan was submitted to the MERN, a copy was forwarded by the MERN to the MELCC. |
| A summary of the plan submitted to MERN is attached as Appendix II. |
| 3.4 Objective and justification of project |
| Galaxy Lithium (Ontario) is liable to the Coniagas site rehabilitation and wish to conduct the workings. |
| 3.5 Related Activities |
| The project is limited to rehabilitate the tailings pond and the outspill area. Borrow pits, BNE type, in order to get access to covering material will probably have to be opened. A borrow pit search survey was conducted in August 2019; the report is expected to be issued in September 2019. |
| A discussion was held with representatives of Bonterra - Métafor site regarding the use of their tailings as covering material. The results of the analyzes and geochemical studies that were transmitted to us by Bonterra do not correspond to the criteria we have set for the recovery materials. We are looking for inert materials that have no potential to leach contaminant subsequently. |

4. INFORMATION AND PUBLIC CONSULTATION ACTIVITIES

4.1 Information and Public Consultation Activities

A meeting was held with the tallyman and his son on December 5, 2018 in Val d'Or. The project was submitted to the MERN on August 19, 2019 and will be presented to the tallyman in autumn 2019. We are waiting for the first comments from the MERN before making the presentation to the tallyman.

5. DESCRIPTION OF THE MAIN ISSUES AND IMPACTS OF THE PROJECT ON THE HOSTING ENVIRONMENT

5.1 Description of project main issues

Tailings stored in the pond and the outflow spread out through the wetland area contain metals and have a demonstrated metal leaching potential. The upper layer is already oxidized and some leachate had already been discharged into the environment. However, vegetation has restart to grow in part of the wetland.

Rehabilitation will require machinery work that could rework the tailings and re-expose them to oxidation or destroy some of the vegetation that has regrown in the wetland. The main environmental concern in these berms construction to raise the water table is the machinery usage; however, even if the computer simulation shows that the construction of the berms will keep the tailings flooded, therefore not subject to oxidation, it is still likely that an intense drought will allow the exposure of some tailings layer.

The analysis of alternatives by Pugh matrix made it possible to evaluate the various scenarios for rehabilitation of the site. The proposed solution is the one that represents the lowest risk.

5.2 Description of main impacts of project on hosting environment

The project is expected to stop spreading of the contaminants, restore the site to a visually acceptable state, and eliminate risks to the health and safety of the public and wildlife.

6. GREEN HOUSE GASES EMISSION

6.1 Green House Gases emission

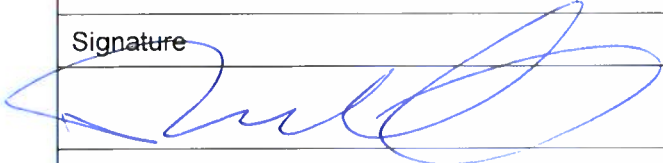
The rehabilitation workings will emit GHGs from machinery. However after its completion, as vegetation will have taken over the whole surface, the site will become a sink for carbon rather than an emitter.

7. OTHER RELEVANT INFORMATION

7.1 Other relevant information

The rehabilitation plan submitted to the MERN is not attached to this preliminary information because it is not yet approved. A copy may be sent to you upon request and with the agreement of the MERN.

8. DECLARATION AND SIGNATURE

| 8.1 Declaration and signature |
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| <p><i>I declare that the documents and information provided in this preliminary information form are accurate to the best of my knowledge.</i></p> |
| <p><i>Any misrepresentation may result in sanctions under the EQA. All information provided will form an integral part of the application and will be published on the website of the Evaluation Committee (COMEV) or the Kativik Environmental Quality Commission (KEQC) and the Registry of Environmental Assessments.</i></p> |
| Name |
| DENIS COUTURE |
| Signature |
|  |
| Date |
| 06/09/2019 |

Appendix I
Board resolution

GALAXY LITHIUM (ONTARIO) INC

BN 137 062 766
("Company")

CIRCULATING RESOLUTION OF DIRECTORS

22 November 2018

Background

The Company can appoint an authorized representative to manage its mining titles in the Province of Quebec and represent the Company in its dealings with the Ministère de l'Énergie et des Ressources naturelles (**Department**).

James McCann is currently registered at the Department as the Company's authorized representative. The Company now wishes to remove Mr McCann as its authorized representative and in his place appoint Denis Couture as Master Delegate and appoint Natalie Cicci and Lux Kirupakaran as Delegates.

The Master Delegate is empowered to manage the Company's interests in mining titles in the Province of Quebec and do such other tasks as directed by the Company from time to time. The Master Delegate can re-delegate the management of mining titles to either of the Delegates by notice in writing to the Company.

Resolution

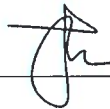
In accordance with the Company's constitution, IT IS HEREBY RESOLVED that:

1. James McCann is removed as an authorized representative of the Company at the Department.
2. Denis Couture is appointed as an authorized representative of the Company at the Department, in the role of Master Delegate.
3. Natalie Cicci and Lux Kirupakaran are each appointed as authorized representatives of the Company at the Department, in the role of Delegates.
4. Mr Denis Couture is authorized to finalise, execute and lodge with the Department all documents determined necessary to give effect to the intent of the above resolutions (together with any other document or instrument incidental or related to an ancillary document and the transactions contemplated by each ancillary document).

Each Director is in favour of the resolutions set out in this document. This resolution may be executed electronically and in counterparts, and when so executed all counterparts shall together be deemed to form a single resolution.

Signed:

Anthony Tse



Arvin Ramos



Appendix II
Project description

Summary of the rehabilitation plan



Summary of rehabilitation plan

CONIAGAS site

The tailings pond at Coniagas is located in the Northern Quebec and James Bay territory. The claims on which the tailings pond is located has a surface of 32.94 ha. The tailings pond of Coniagas was in operation from March 1961 to May 1967 by the company "Coniagas Mines Ltd" and has an area estimated at 63 000 m². This underground mine has extracted nearly 700,000 t of zinc and lead ore. Over the years, a breach has developed in the containment dam north-west of the tailings pond. This opening generated a tailings' spill in the northwest area of the tailings pond. The current area of this zone is estimated at 76,200 m².

The site was partially restored by Inmet in 1997. The rehabilitation works that were carried out as part of this partial rehabilitation are:

- The dismantling of infrastructure and surface buildings;
- Securing of the mine openings.

The tailings accumulation area is currently under the responsibility of Galaxy Lithium (Ontario) Inc.

The proposed rehabilitation plan presented to the MERN concerns exclusively the rehabilitation of the Coniagas tailings pond. Protection, rehabilitation and closure measures presented in the document are intended to restore the Coniagas site to a satisfactory condition, as defined in Section 4-1 of the Guidelines to preparing Mine Closure Plans in Quebec (2017), that is to say:

- eliminating unacceptable health hazards and ensuring public safety;
- limiting the production and spread of contaminants that could damage the receiving environment and, in the long term, aiming to eliminate all forms of maintenance and monitoring;
- returning the site to a condition in which it is visually acceptable (reclamation);

Geochemical characterization campaigns were carried out in 1985 by the Ministry of Sustainable Development, Environment and Parks (MDDEP, 1985) and in 2010 by Genivar and Roche. These campaigns had allowed to identify that the materials present on the site (soil and tailings) had Ag, As, Cd, Co, Cu, Mg, Mn, Pb, and Zn contents higher than criterion A of the Soil Protection and Contaminated Sites Rehabilitation Policy. Campaigns conducted by Genivar and Roche in 2010 also identified mine tailings as potential generators of acidity. Roche's campaign also assessed that mine tailings are potentially leachable into Cd, Cu, Pb and Zn according to the criteria described in Directive 019 (MDDEP, 2012). With regard to surface water quality, the MDDEP (1985) and Genivar (2010) surveys evaluated surface pH values below the criterion of 6.0 of Directive 019 as well as Fe concentrations above the acceptable average monthly concentration, and in Zn and Pb above the maximum acceptable concentration criteria of Directive 2019. A survey was conducted by SNC-Lavallin in 2018, followed by drilling and sampling campaigns to better understand the hydrogeological and geotechnical context.



For the development of the rehabilitation concept, the tailings pond of Coniagas has been divided into two (2) zones:

- the tailings pond (ZPAR for PARc in French);
- spill zone (EZ for Epanchement in French).

It is also important to mention that the site includes a large swampy area north of the tailings pond. It is intended that this area be conserved in order to maintain the natural passive treatment power of the marsh through the action of sulphate-reducing bacteria. The process of selecting the rehabilitation concept for the tailings pond at Coniagas took the form of a comparative analysis using a Pugh matrix. The matrix made it possible to compare the concepts by considering the economic, technological, environmental and social issues related to the mining rehabilitation. The advantages and disadvantages of each of the concepts have also been identified and taken into account in the analytical approach.

The three concepts that have been evaluated for ZPAR are:

- >A multilayer covering with geomembrane and peripheral dike;
- A monolayer coating with raised sheet;
- A multilayer coating with geomembrane and reprofiling.

The three concepts that have been evaluated for the spill area are:

- Complete excavation of mine tailings;
- A monolayer coating with raised sheet;
- Partial excavation and the installation of a monolayer covering with raised sheet.

The comparative analysis helped to optimize a rehabilitation scenario for the Coniagas site as a whole. This scenario combines the two best performing rehabilitation concepts when analyzing with the Pugh matrix for ZPAR and EZ.

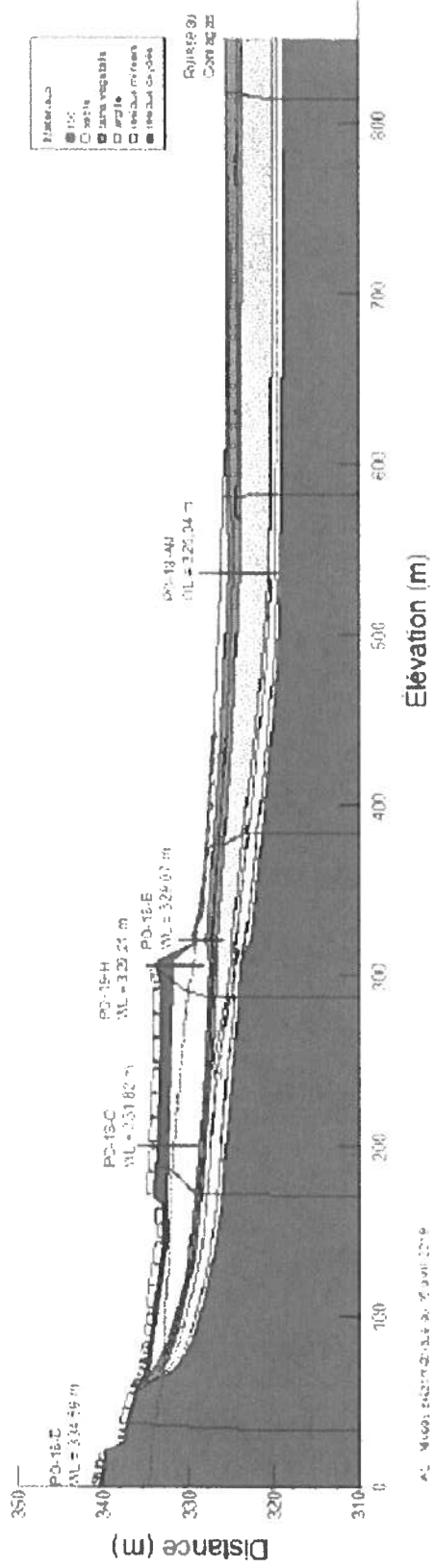
The rehabilitation scenario envisioned for the Coniagas tailings pond corresponds to a single layer with raised water table in the ZPAR and a single layer and raised water table in the EZ. The performance of the rehabilitation scenario was validated using hydrogeological modeling. The geotechnical design criteria were determined in accordance with the requirements of the Guide for the Preparation of the Redevelopment and Rehabilitation Plan for Mineral Sites in Quebec (MERN, 2017).

The following figures provide an overview of plans and sections of the site today and after the proposed works.

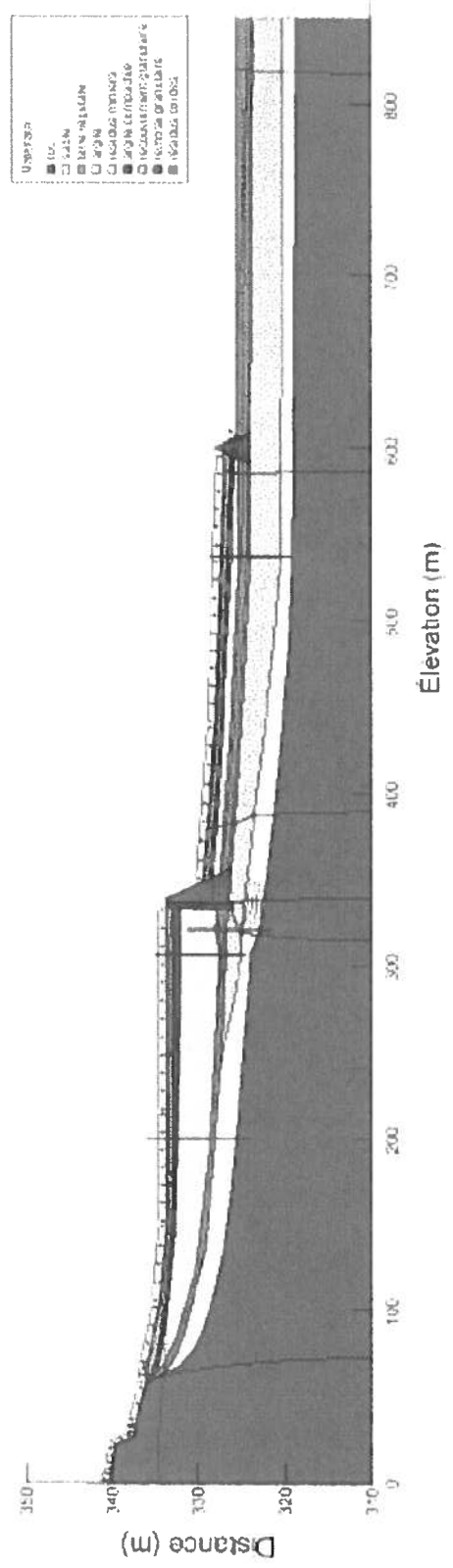
Plan view of the proposed berms



Water table level (blue dotted line) in present conditions

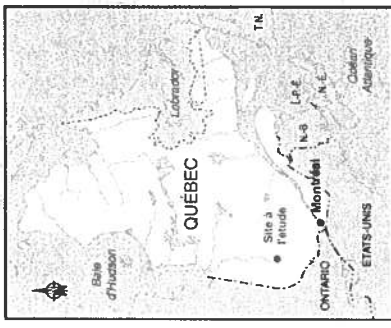
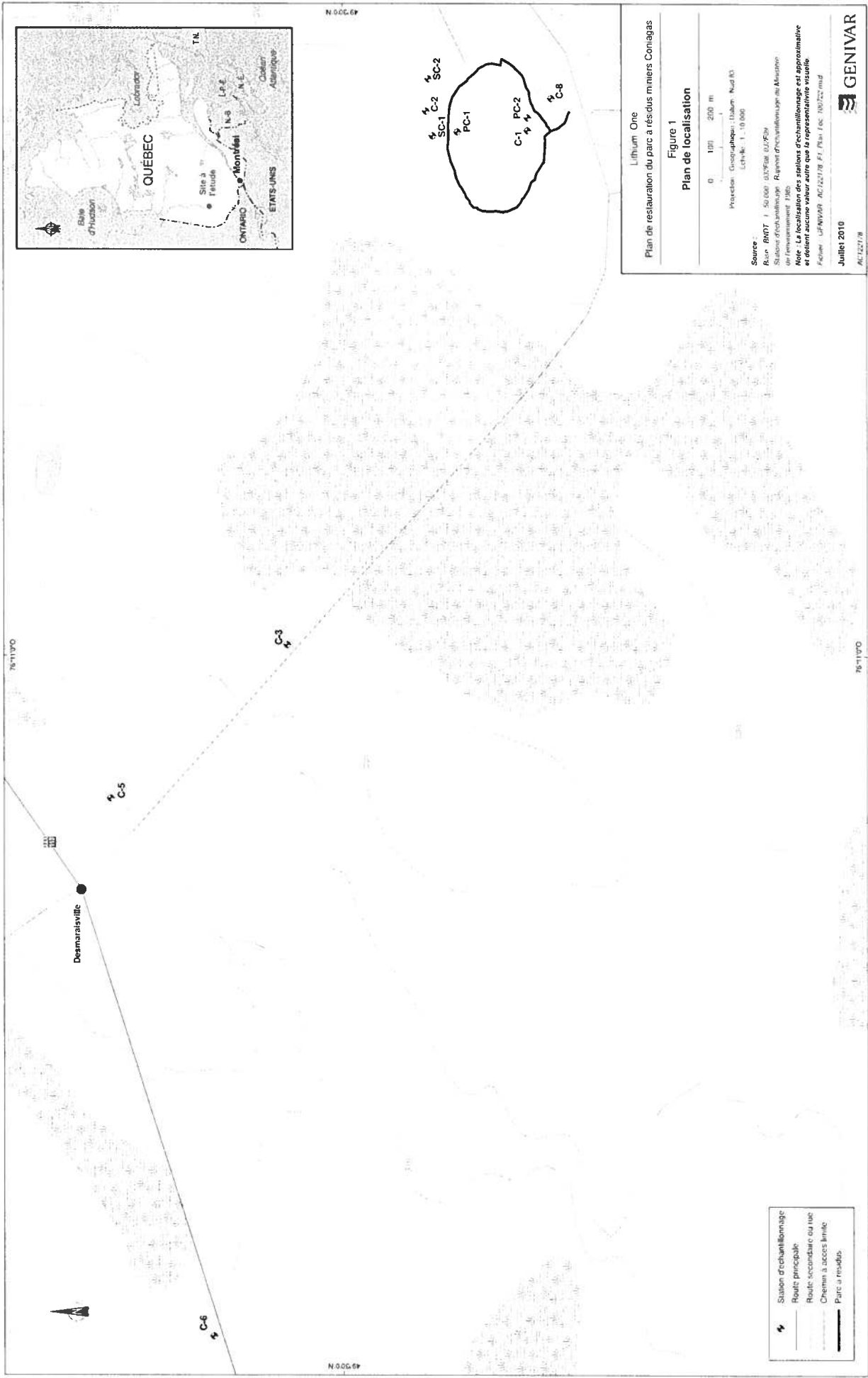


Water table level (blue dotted line) modeled as post rehabilitation



Appendix III
Location plans

Figure 1, Génivar, 2010
Carte 2-1 de SNC, 2019



Lithium One
 Plan de restauration du parc à résidus miniers Coniagas

Figure 1
 Plan de localisation

Source :
 R.C. BMDT 1 - 50 000 - 02/95/06 (D.F.P.S.)
 Station d'échantillonnage : Réseau d'échantillonnage du Ministère
 de l'Environnement (M.E.)
 Les données de localisation des stations d'échantillonnage est approximative
 et devient aucune valeur autre que la représentation visuelle.

Fichier : U:\GENIVAR AC\22178_F1_Plan Loc 100722.mxd
 Juillet 2010
 AC/22178

- Station d'échantillonnage
- Road principale
- Road secondaire ou tuc
- Chemin à accès limité
- Parc à résidus

49 50 0 N

49 50 0 N

75 11 70 W

75 11 70 W

Desmaratville

C-5

C-6

C-4

C-2

SC-1

SC-2

PC-1

C-1

PC-2

PC-8



SNC-LAVALIN

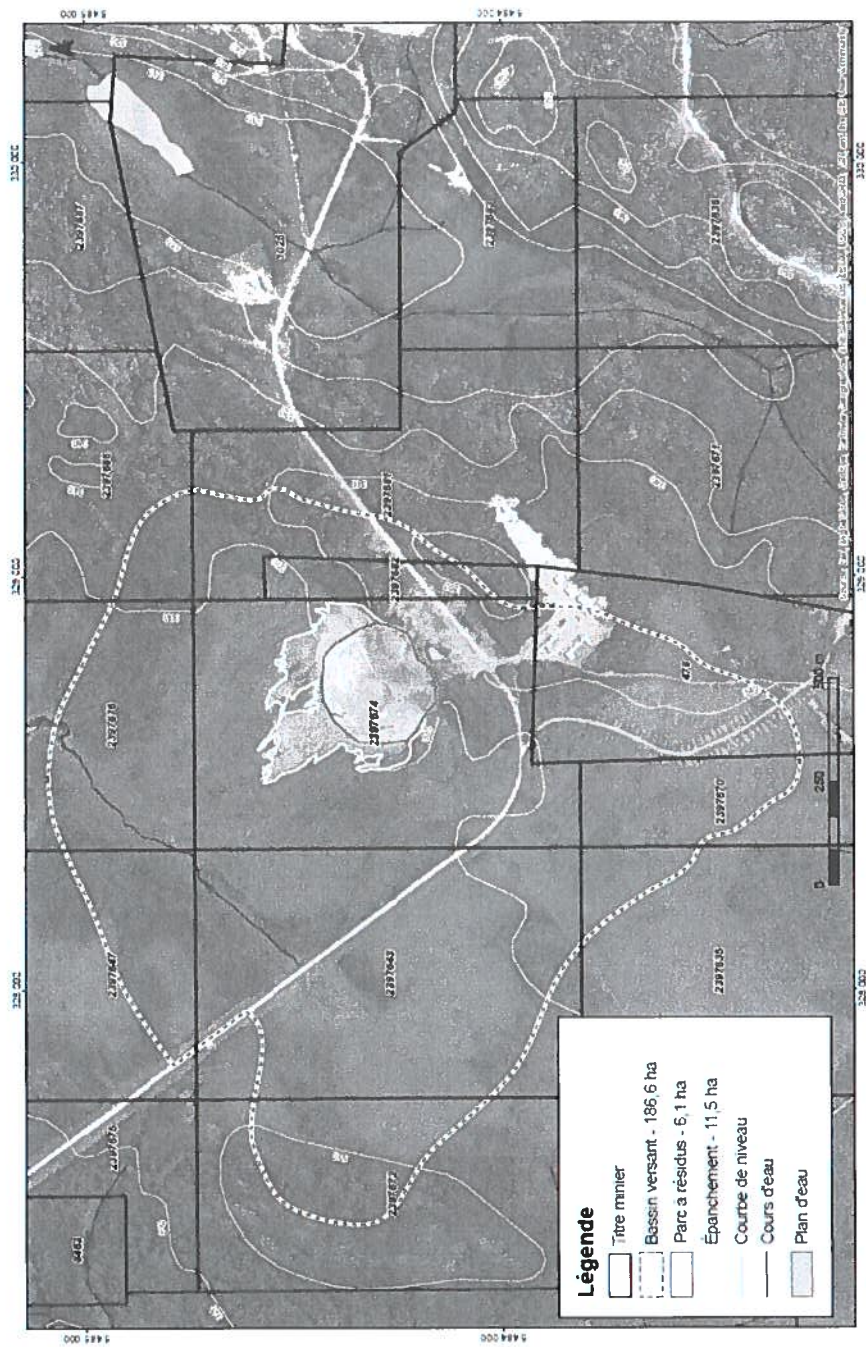


Figure 2-1 : Plan de localisation du parc à résidus Coniagas

| | |
|---|----------------------|
| Plan de restauration du parc à résidus Coniagas | Original, Version PB |
| 2019-09-02 | Rapport technique |