# NI43-101 TECHNICAL REPORT

**On The**

# SAINT GABRIEL SILICA PROJECT

Saint Gabriel de Rimouski, Sainte Jeanne d'Arc and Sainte Angele de Merici Municipalities, La Mitis Regional County Municipality, Bas-Saint-Laurent Region, Quebec, Canada

Centered at Approximately

Latitude 48° 27.09' North by Longitude 68° 4.52' West
NTS Map Areas 022C – Rimouski and 022B - Matane

- Report Prepared For -

**Argyle Resources Corp.**

- Report Prepared By -

**ALEXANDR BELOBORODOV, P. Geo.**

Effective Date:

May 1st, 2025

## IMPORTANT NOTICE

This report was prepared as a National Instrument 43-101 Technical Report for Argyle Resources Corp. by Alexandr Beloborodov, P.Geo. The quality of information and conclusions contained herein are consistent with the level of effort involved in Mr. Beloborodov's services, based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions and qualifications set forth in this report. Except for the purposes legislated under provincial securities law, any other use of this report by any third party is at that party's sole risk.

- Cover Photograph - Marquis, 2023

## DATE and SIGNATURE PAGE

### CERTIFICATE OF QUALIFIED PERSON

I, **Alexandr Beloborodov, P. Geo.**, do hereby certify that:

1. I am the President of **Alexandr Beloborodov Géologue Inc.**, located at 6540 rue Émile-Augier, Laval, Québec, H7R 6B3, Canada.
2. I am a **Professional Geoscientist** registered in good standing with the **Ordre des Géologues du Québec**, Licence Number **01637**, since May 2015.
3. I am the author of the technical report entitled: **"NI 43-101 Technical Report on the Saint Gabriel Silica Project, Bas-Saint-Laurent Region, Quebec, Canada,"** with an **effective date of May 1st, 2025**. I am responsible for all sections of this report.
4. I conducted a personal **site visit to the Saint Gabriel Silica Project on April 17 and 18, 2025**, in accordance with the requirements of Section 6.2 of Form 43-101F1.
5. I have read the definition of "Qualified Person" as set out in **National Instrument 43-101 (NI 43-101)** – *Standards of Disclosure for Mineral Projects* – and I certify that by virtue of my education, professional association membership, and relevant work experience, I meet the criteria to act as a **Qualified Person** for the purposes of NI 43-101.
6. I confirm that I have had **no prior involvement** with Argyle Resources Corp. or the Saint Gabriel Silica Property prior to the preparation of this report, as per NI 43-101 Section 8.1 (2)(g).
7. I am **independent** of Argyle Resources Corp. and all other entities named within this report, as defined by Section 1.5 of NI 43-101.
8. I have read **NI 43-101** and **Form 43-101F1**, and this Technical Report has been prepared in **full compliance** with both.
9. As of the effective date of this report, to the best of my knowledge, information, and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make it not misleading.
10. I hold a **Bachelor's degree in Earth and Atmospheric Sciences** from the **Université du Québec à Montréal (UQAM)**, conferred in 2011. I have been employed continuously in the mineral exploration and mining industry since that time.

- I have practiced my profession as a geologist in Canada for over **14 years**, with experience including: Management of drilling campaigns; Geological mapping and mineral property evaluations; Field supervision in both exploration and producing mine environments
- Publication of geological reports and maps; Compilation and analysis of data for mineral potential assessments, drilling programs, and geophysical surveys

12. I have authored or co-authored multiple NI 43-101 Technical Reports filed on SEDAR+ for Canadian mineral projects, and am fully familiar with the disclosure and technical standards required under the Instrument.

---

**Effective Date of Technical Report:** May 1st, 2025

*Signed By Alexandr Beloborodov*

Alexandr Beloborodov, P. Geo.
(signed and sealed original copy on file)

Dated this 1st day of May 2025

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# 1.0 SUMMARY

## 1.1 Introduction

The Saint Gabriel Silica Project (the 'Project' or the 'Property') is a silica exploration project in Quebec, Canada.

At the request of Argyle Resources Corp., a Canadian company listed on the CSE, Alexandr Beloborodov, P. Geo., carried out an independent review of the Saint Gabriel Silica Project (the 'Property', the Project, located in Saint Gabriel de Rimouski, Sainte Jeanne d'Arc and Sainte Angele de Merici Municipalities, La Mitis Regional County Municipality, Bas-Saint-Laurent Region, Quebec. The author reviewed available exploration results and prepared this independent technical report (the 'Report') in accordance with the formatting requirements of National Instrument 43-101 and Form 43-101F1 (Standards of Disclosure for Mineral Properties) to be a comprehensive review of the exploration activities on the property, and to provide recommendations for future work, if warranted. The Report is intended to be read in its entirety.

Information and data used in this report consists of field observations made by the author during the site visit on April 17th and 18th, 2025, data collected by the Noront Group for Argyle Resources Corp., published government reports, scientific papers, and assessment reports.

## 1.1 Property Description and Ownership

The Saint Gabriel Silica Project consists of twenty-three contiguous mining claims totalling 1,312.90 ha. The claims, known by their registration numbers, are listed in Table 4.1, and are shown in Figure 4.2.

**Table 1.1: Saint Gabriel Silica Project Mining Claim Titles**

| Registry No. | Holder of Record | Status | Granted Area (ha) | Expiration Date |
|---|---|---|---|---|
| 2773506 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773507 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773508 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773509 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2774799 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774800 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774801 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774802 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774803 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774804 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774805 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774806 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |

| Registry No. | Holder of Record | Status | Granted Area (ha) | Expiration Date |
|---|---|---|---|---|
| 2774807 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774808 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774809 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774810 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774811 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774812 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774813 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774814 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774815 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774816 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774817 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| **Total (ha)** | | | 1,312.90 | |

Note: Title information effective May 1st, 2025

The 23 titled mineral claims were are registered to Michel Robert (100%) in the Quebec Public Claim Registry ('GESTIM') but were transferred to Argyle Ressource on April 29, 2025. The mineral claims are held in a Bare trust for the Vendors. Details of the purchase agreement for the mineral claims is provided in Section 4.3 below and details of the Bare Trust agreement are provided in Section 4.4.

## 1.2 Accessibility, Physiography, Climate, Local Resources, and Infrastructure

The Project is located, by road, 364 km northeast of Quebec City and road access is by highway, QC A 20 East, following the north shore of the St. Lawrence River for 344 km to highway QC 132 at Mont Joli and follow this secondary road south for 12 km to the second junction with QC 234 at Sainte Angèle de Mérici and continue south on QC 234 for another 8 km. From that point on route 234, gravel tot roads can be used to access different parts of the Property. The 2023 sampling program area is southeast of QC 234 and accessed by a private dirt road. The total travel time from Quebec City to the Property is about 3.8 hours. The closest commercial airport to the project is in Quebec City.

The property is located in the northern maritime forest climate zone. This climate zone is characterized by cold winters and cool summers. Daily average temperatures range from -12.2°C in January to +17.5°C in July. Strong variations may occur. The extreme maximum recorded for one day is +13°C in January and +35.9°C in July, and the extreme minimum is -33.3°C in January and + 0.8°C in July. Freeze-up usually occurs in mid to late November and break-up in early to mid April. (Wikipedia website – Mont Joli)

Local manual labor is available from the community of Mont Joli or Rimouski while skilled labour is may also be available in the area or from Quebec City. The Mont Joli is the nearest commercial center where food, accommodation, contractors, and fuel are available. Water for an exploration

camp and drill programs is available from the drainages on the Property. The Property has sufficient surface area for future mining operations.

## 1.3 History

The first work reported in the vicinity of the property starts with geological surveys and mapping in the late 1950s. The government of Qubec performed the regional surveys and mapping and later exploration companies or individuals holding portions of the current property filed assessment reports for work performed on the Property. The work performed was mostly sampling programs on the quartzites and one four-hole drill program. The Property exploration history is summarized in Table 6.1.

## 1.4 Geological Setting and Mineralization

The St-Gabriel/St-Guy region is dissected by two major faults, the Neigette (Béland, 1960) and the Rimouski River ((Bourque et al. 1987, after Beland, 1960, and Lajoie, 1972) faults (Figure 7.1). The Neigette Fault brings the Quebec Group and the Silurian-Devonian sequence into contact in the northwestern part of the Temiscouata region. A series of en echelon sinistral faults clinging to this main fault affects the Silurian strata (Bourque et al., 1987) towards the south. Although their effect seems to quickly fade away from the Neigette fault, apparent displacements of a few kilometers can be evaluated based on the outline of a thin limestone level (limestone unit SLa) whose position stratigraphic seems constant. Liboiron (1991)

The Rimouski River fault extends from the Neigette fault, at a point just south of the village of Neigette, to the southern limit of the region studied, some 5 kilometers east of St-Guy (Figure 7.1). It mainly intersects the strata of the Saint-Léon Formation. In the southwest corner of the region, it brings the Siluro-Devonian sequence into contact with the Trinity Ordovician Group. A photo stereoscopic analysis shows that the Rimouski River fault produces a major structural lineament which corresponds to a corridor of intense deformation with an average width of approximately 4 kilometers. In the Lac de l'Islet syncline sector, this corridor is particularly marked, and a fault connected to that of the Rimouski River constitutes its southeastern limit. This last fault continues towards the southwest in the Trinity Group. The property is located in the southeast domain (Figure 7.1).

The quartzite present on Silica II property is from the Val Brillant Formation, which is sedimentary in origin and of Siluro-Devonian age. In the southern part of the area studied by Bourque and Gosselin (1987), the Val Brillant Formation is composed of quartz arenite in thick banks forming beds a few decametres thick, interbedded with mudstone reaching a few metres and up to 100 metres in thickness. The proportion of quartz arenite compared to the mudstone would be about 1/3 (Bourque et al., 1987). The mudstone would be green, black or red and locally fossiliferous. A few thin beds of dolomitic limestone with crypto cyanobacterial laminites are also present, as well as rare banks of quartz pebble conglomerates (Bourque et al., 1987).

This formation rests in angular discordance on the Cambro-Ordovician age rocks of the Québec Group. South of Val Brillant, also on the property is found the Sayabec Formation (Figure 7.3) composed of limestone. The geology map for the property is presented in Figure 7.4.

## 1.5 Exploration and Drilling

Argyle Resources Corp. contracted the Noront Group (Noront) of Sault Ste. Marie, Ont. to manage a surface sampling program in 2023. Noront prepared an assessment report for the Saint Gabriel Silica property (Marquis, 2024) to be filed with the Quebec Ministry. The Sampling program of 2023 report is quoted below.

On October 18th and 19th of 2023, a sampling program occurred on different outcrops of the Silica II property in Saint-Gabriel-de-Rimouski. A total of fourteen (14) samples were collected and out of that number, eleven (11) rock samples and one (1) standard were sent to ALS laboratory in Mississauga (Ontario, CA) for assaying. Results of the program are described in Section 9.4.

No current drilling has been preformed on the property by Argyle Resources Corp.

## 1.6 Mineral Resources

There are no mineral resource estimates for this property.

## 1.7 Interpretations and Conclusions

Historic sampling, drilling, and analysis of the Val Brillant Formation quartzites located on the Saint Gabriel Silica property has demonstrated the high silica content of the unit. Sampling work by Liboiron (1991), Reid (1991) and the 2023 sampling program completed for Argyle Resources Corp. have shown similar results were SiO2 values at surface range from 96.0 to 99.5% with an average of 97.70% (Marquis, 2024).

To further establish the potential of the Property as host to quartzites with high silica content a surface exploration program is recommended. The program is described in Section 26.

Argyle Resources Corp. has a good land position at the Saint Gabriel Silica Project totaling 1,312.90 hectares. The claims cover potentially bulk minable quartzite showings.

## 1.8 Recommendations and Proposed Exploration Budget

The recommended exploration and work programs for the Saint Gabriel Silica Project are as follows: a single-phase 20-day program with surface excavator trenching, cut channel sampling and access, tote road, construction.

Proposed Program CAD $104,750

| Item and Description | Qty | Rate | Amount |
|---|---|---|---|
| Logistics – Travel, accommodation, transportation, special permitting for 20-day program. | 1 | $21,000.00 | $21,000.00 |
| 4.5 Ton Excavator Rental – 4.5 Kubota Excavator. 6 way tilt blade with thumb, steel tracks, heat and AC | 10 | $1,200.00 | $12,000.00 |
| ATV's and Trailers | 20 | $500.00 | $10,000.00 |
| Channel Cutting | 10 | $200.00 | $2,000.00 |
| Washing Equipment Day Rate | 10 | $100.00 | $1,000.00 |
| Foremen / Safety Officer | 20 | $1,150.00 | $23,000.00 |
| Geotechnical Labour | 55 | $650.00 | $35,750 |

**Total Budget is CAD $104,750**

The Saint Gabriel Silica Project is a Property of Merit that justifies the continuation of exploration programs designed to test the deposit models outlined in this report.

# 2.0 INTRODUCTION

## 2.1 Introduction and Terms of Reference

At the request of Argyle Resources Corp., a Canadian company looking to list on the CSE, Alexandr Beloborodov, P. Geo., carried out an independent review of the Saint Gabriel Silica Project (the 'Property', the Project, or Silica 2) located in Saint Gabriel de Rimouski, Sainte Jeanne d'Arc and Sainte Angele de Merici Municipalities, La Mitis Regional County Municipality, Bas-Saint-Laurent Region, Quebec. The author reviewed available exploration results and prepared this independent technical report (the 'Report') in accordance with the formatting requirements of National Instrument 43-101 and Form 43-101F1 (Standards of Disclosure for Mineral Properties) to be a comprehensive review of the exploration activities on the property, and to provide recommendations for future work, if warranted. The Report is intended to be read in its entirety.

## 2.2 Sources of Information

The author was not involved in any previous exploration or development activities on the property. The information, conclusions, opinions and recommendations are based upon:

- information available to the author at the time of the preparation of this report;
- assumptions, conditions and qualifications as set forth in this report; and
- data, reports, and other information provided by 1302990 B.C. LTD and other third-party sources. During the site visit and while preparing this report, the author reviewed all of the readily available exploration information and reports pertaining to this property.

The sources of information for this technical report are field observations made by the author during the site visit, published government reports, scientific papers, and assessment reports found on the Québec Ministry of Natural Resources and Forests (Ministère des Ressources naturelles et des Forêts) website using their interactive map feature (https://sigeom.mines.gouv.qc.ca). Information concerning mining claims comes from Québec's online mining claim registry: Management of mining titles (Gestion des titres miniers) – GESTIM plus (https://carte-gestim.mines.gouv.qc.ca). Population statistics, weather and local information on the Project area has been obtained from Wikipedia for Mont Joli, the regional county seat (https://en.wikipedia.org/wiki/Mont-Joli). A detailed list of references and sources of information is provided in the References section of this report.

## 2.3 Site Visit

The author, an independent Qualified Person as defined by NI 43-101, conducted a site visit to the Saint Gabriel Silica Project on April 17 and 18, 2025. Due to snow cover and early spring melt, direct access to quartzite outcrops was not possible; however, access routes for most of the CDC claims were evaluated and aerial drone imagery was used to assess the terrain. The property is considered an exploration-stage project.

## 2.4 Abbreviations and Units of Measure

Metric units are used throughout in this report and currencies are in United States Dollars (US$) unless otherwise stated. Market gold or silver metal prices are reported in US$ per troy ounce. A list of abbreviations that may be used in this report is provided below.

| Abbreviation | Description | | Abbreviation | Description |
|---|---|---|---|---|
| % | percent | | li | limonite |
| AA | atomic absorption | | m | metre |
| Ag | silver | | $m^2$ | square metre |
| AMSL | above mean sea level | | $m^3$ | cubic metre |
| as | arsenic | | Ma | million years ago |
| Au | gold | | mg | magnetite |
| AuEq | gold equivalent grade | | mm | millimetre |
| Az | azimuth | | $mm^2$ | square millimetre |
| b.y. | billion years | | $mm^3$ | cubic millimetre |
| CAD$ | Canadian dollar | | mn | pyrolusite |
| cl | chlorite | | Mo | Molybdenum |
| cm | centimetre | | Moz | million troy ounces |
| $cm^2$ | square centimetre | | ms | sericite |
| $cm^3$ | cubic centimetre | | Mt | million tonnes |
| cc | chalcocite | | mu | muscovite |
| cp | chalcopyrite | | m.y. | million years |
| Cu | copper | | NI43-101 | National Instrument 43-101 |
| cy | clay | | opt | ounces per short ton |
| °C | degree Celsius | | oz | troy ounce (31.1035 grams) |
| °F | degree Fahrenheit | | Pb | lead |
| DDH | diamond drill hole | | pf | plagioclase |
| ep | epidote | | ppb | parts per billion |
| ft | feet | | ppm | parts per million |
| $ft^2$ | square feet | | py | pyrite |
| $ft^3$ | cubic feet | | QA | Quality Assurance |
| g | gram | | QC | Quality Control |
| gl | galena | | qz | quartz |
| go | goethite | | RC | reverse circulation drilling |
| GPS | Global Positioning System | | RQD | rock quality description |
| gpt, g/t | grams per tonne | | Sb | antimony |
| ha | hectare | | Sedar | System for Electronic Document Analysis and Retrieval |
| Hg | mercury | | SG | specific gravity |
| hm | hematite | | sp | sphalerite |
| ICP | induced coupled plasma | | st | short ton (2,000 pounds) |
| kf | potassic feldspar | | t | tonne (1,000 kg or 2,204.6 lbs) |
| kg | kilogram | | to | tourmaline |
| km | kilometre | | um | micron |
| $km^2$ | square kilometre | | US$ | United States dollar |
| l | litre | | Zn | zinc |

### 2.5 Acknowledgements

The author wishes to thank the officers and consultants of Argyle Resources Corp. for providing the technical materials and the assistance required to prepare this report.

## 3.0 RELIANCE ON OTHER EXPERTS

There are numerous reports supplied by consultants of Argyle Resources Corp., some prepared by the previous operators of the claims from 1960 to 2016 and has included geochemical analyses of the quartzite, geochemical reports, geologic reports, and diamond drill report. This information relates to property exploration history and geology in Sections 6 and 7.

The author has relied on information available through the Québec Ministry of Natural Resources and Forests website using their interactive map feature (https://sigeom.mines.gouv.qc.ca) and Information concerning mining claims from GESTIM plus (https://carte-gestim.mines.gouv.qc.ca). The concession information relates to the property location and description in Sections 4.1 and 4.2 with concession titles listed in Table 4.1.

The author has relied on Argyle Resources Corp. to provide full information concerning material environmental and permitting information that pertain to the property. This relates to Section 4.7.

The author did not conduct any detailed investigations of the environmental or social-economic issues associated with the Project, and the author is not an expert with respect to these issues.

This report has been prepared for use by Argyle Resources Corp. The Report is intended to be read as a whole, and sections or parts thereof should therefore not be read or relied upon out of context.

# 4.0 PROPERTY DESCRIPTION and LOCATION

## 4.1 Property Location

The Saint Gabriel Silica Project (the 'Project' or the 'Property') is located in the Saint Gabriel de Rimouski, Sainte Jeanne d'Arc and Sainte Angele de Merici Municipalities, La Mitis Regional County Municipality, Bas-Saint-Laurent Region, Quebec. The geographic coordinates near the centre of the Project are approximately 48° 27.09' North latitude by 68° 4.52' West longitude, or in the local UTM NAD83 coordinate system at Zone 19 North, 568,376 m East by 5,366,897 m North (see Figure 4.1). The property is located on Canadian National Topographic System (NTS) 250,000 scale map sheet 022C – Rimouski and 022B – Matane.

**Figure 4.1: Location Map of the Saint Gabriel Silica Project**

## 4.2 Property Description

The Saint Gabriel Silica Project consists of twenty-three contiguous mining claims totalling 1,312.90 ha. The claims, known by their registration numbers, are listed in Table 4.1, and are shown in Figure 4.2.

**Table 4.1: Saint Gabriel Silica Project Mining Claim Titles**

| Registry No. | Holder of Record | Status | Granted Area (ha) | Expiration Date |
|---|---|---|---|---|
| 2773506 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773507 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773508 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2773509 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-19 23:59 |
| 2774799 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774800 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
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| 2774805 | Argyle Resources Corp. | Titled | 57.09 | 2026-06-25 23:59 |
| 2774806 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774807 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
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| 2774809 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
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| 2774814 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774815 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774816 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| 2774817 | Argyle Resources Corp. | Titled | 57.08 | 2026-06-25 23:59 |
| **Total (ha)** | | | 1,312.90 | |

Note: Title information effective January 31, 2024

The 23 titled mineral claims were are registered to Michel Robert (100%) in the Quebec Public Claim Registry ('GESTIM') but were transferred to Argyle Ressource on April 29, 2025. The mineral claims are held in a Bare trust for the Vendors. Details of the purchase agreement for the mineral claims is provided in Section 4.3 below and details of the Bare Trust agreement are provided in Section 4.4.

The author has reviewed all documentation provided by the GESTIM for the current status of the mineral titles.

**Figure 4.2: Claim Map of Saint Gabriel Silica Project**

## 4.3 Underlying Agreements

Argyle Resources Corp. entered into a purchase agreement with:

KLUANE CAPITAL FZCO., a Dubai Corporation; PARADIGM PURSUIT LLC. a company incorporated under the laws of the state of Wyoming; APSIDAL CONSULTING CORP. a company incorporated under the laws of British Columbia; and NIMBUS MANAGEMENT LTD**,** a company incorporated under the laws of British Columbia collectively known as the Vendors to acquire the Property known as the Saint Gabriel Silica Project as described by the agreement dated August 14, 2023. Details of the transaction are as follows:

*To maintain the Option in good standing, the Optionee, will make the Cash Payments (payable in equal installments to each Optionor) and fulfill the minimum work requirements, as set out below:*

| ***Payment Period*** | ***Cash Payment*** | ***Cumulative Work Commitment*** |
|---|---|---|
| *Within 5 Days of the Effective Date* | *$20,000* | *-* |
| *On or before the six month anniversary of the Effective Date* | *$30,000* | *-* |
| *On or before the eighteen month anniversary of the Effective Date* | *$80,000* | *$150,000* |
| *On or before the thirtieth month anniversary of signing this Agreement* | *$80,000* | *$450,000* |
| *Within 5 days of the listing date* | *$30,000* | |

## 4.4 Bare Trust Agreement

The Bare Trust agreement is quoted below:

*'THIS AGREEMENT dated for reference June 26, 2023, BETWEEN:*
***ARGYLE RESOURCES CORP.**, a businessperson having an address at 108 West King Edward Ave, Vancouver, BC, Canada V5Y 2H9*
*(the "**Bare Trustee**")*
*AND:*
***KLUANE CAPITAL FZCO.,** a Dubai Corporation having an office located at IFZA Properties, DSO-IFZA-19906, Dubai Silicon Oasis, DDP, Building A2, Dubai, United Arab Emirates (Email: james@kluanecap.com)* ***PARADIGM PURSUIT LLC.** a company incorporated under the laws of the state of Wyoming having an address for business at 30 N Gould Street Ste R, Sheridan, WY 82801 (Email: thomas.lynch@eucapitalcorp.com)*
***APSIDAL CONSULTING CORP.** a company incorporated under the laws of British Columbia having an address for business at 108 W King Edward Ave. Vancouver BC V5Y 2H9 (Email: michelrobert321@gmail.com)*
***NIMBUS MANAGEMENT LTD,** a company incorporated under the laws of British Columbia having an address for business at 535 East Tenth St, North Vancouver, BC, V7L 2E7 (email: jennahardy@nimbusmanagementltd.com)*
*(Collectively the "**Beneficial Owner**")*
*WHERAS:*

*100% of the claims described in Table 4.1 hereto are beneficially owned by the Beneficial Owner (the "**Claims**").*

*The Bare Trustee is the registered owner of the Claims.*

*The Beneficial Owner does not wish to take and hold legal title to the Claims.*

*The Bare Trustee is willing to continue to hold registered title to the Claims as bare trustee for the sole benefit and account of the Beneficial Owner as beneficial owner and principal, in accordance with this Agreement.'*

## 4.5 Surface Rights

Surface rights for the Property are held by private landowners and access agreements for future exploration and will need to be negotiated on a per parcel basis. For the recent exploration program, landowners were contacted covering most of the Property. Results of these contacts are shown in Figure 4.3.)

## 4.6 Type of Mineral Tenure

The Saint Gabriel property is made up of twenty-three map-designated claims and are listed in Table 4.1 and shown in Figure 4.2 - Claim Map.

## 4.7 Royalties and Obligations

The claims are subject to a 2.0% net smelter return royalty to be paid as 0.5% to each of the four vendors of the Property.

The annual property holding expenses are in two parts: an annual payment per claim and a work commitment where concessions under 25 hectares have a reduced rate. The claim payments are $73.25 per claim with a $1,200.00 work commitment and the reduced rate is $37.50 with a $500.00 work commitment. The totals for the Property are $1,684.75 with a $27,600.00 work commitment. Annual assessment filings must be sent to the MRNF, and the annual work declaration form must be completed directly on the GESTIM platform by the claim owner.

## 4.8 Exploration Permits

Permits are required for conducting exploration work and 1302990 B.C. LTD will be required apply for permits and authorisations from the provincial Ministère des Ressources Naturelles et de la Faune ("MRNF") (Ministry of Natural Resources and Wildlife) and the Ministère du Développement Durable, de l'Environnement et des Parcs ("MDDEP") (Ministry of Sustainable Development, Environment and Parks). The list of potential permits required for exploration work are listed below:

- Intervention permit (by the MRNF).
- Camp authorisation (if required) (by the MDDEP).
- Certificate of authorisation (by the MDDEP).
- Attestation of exemption (by the MDDEP).
- NEW since May 2024: **Authorization for impact-causing exploration work (ATI) https://mrnf.gouv.qc.ca/en/mines/mining-rights/exploration-rights/**

## 4.9 Environmental Considerations

To the best of the author's knowledge there are no known environmental liabilities on the property or other significant factors or risks that may affect access, title, or the right or ability to perform work on the property.

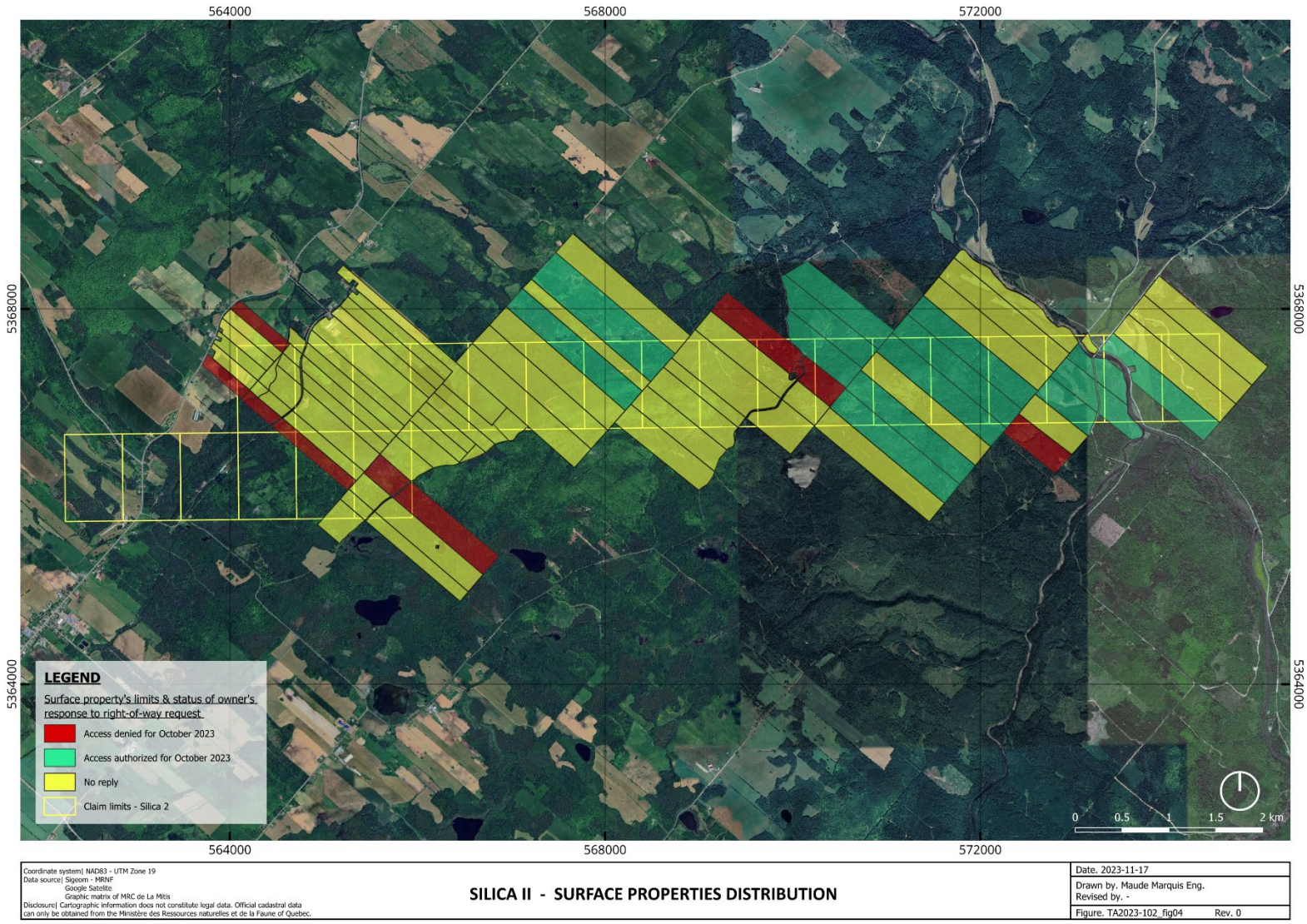


**Figure 4.3: Claim Map with Surface Right Contact Results**

# 5.0 ASSESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and PHYSIOGRAPHY

## 5.1 Accessibility

The Project is located, by road, 364 km northeast of Quebec City and road access is by highway, QC A 20 East, following the north shore of the St. Lawrence River for 344 km to highway QC 132 at Mont Joli and follow this secondary road south for 12 km to the second junction with QC 234 at Sainte Angèle de Mérici and continue south on QC 234 for another 8 km. From that point on route 234, gravel tot roads can be used to access different parts of the Property. The 2023 sampling program area is southeast of QC 234 and accessed by a private dirt road. The total travel time from Quebec City to the Property is about 3.8 hours. The closest commercial airport to the project is in Quebec City.

## 5.2 Climate

The property is located in the northern maritime forest climate zone. This climate zone is characterized by cold winters and cool summers. Daily average temperatures range from -12.2°C in January to +17.5°C in July. Strong variations may occur. The extreme maximum recorded for one day is +13°C in January and +35.9°C in July, and the extreme minimum is -33.3°C in January and + 0.8°C in July. Freeze-up usually occurs in mid to late November and break-up in early to mid April. (Wikipedia website – Mont Joli)

## 5.3 Local Resources and Infrastructure

Local manual labor is available from the community of Mont Joli or Rimouski while skilled labour is may also be available in the area or from Quebec City. The Mont Joli is the nearest commercial center where food, accommodation, contractors, and fuel are available. Water for an exploration camp and drill programs is available from the drainages on the Property. The Property has sufficient surface area for future mining operations.

Good road access to Property exists. The nearest high-tension power line is located along highway QC – 234 north of the project.

## 5.4 Physiography

The Property lies on the south side of the Saint Lawrence River in a region of low to moderate topographical relief where elevations range from around 160 to 460 m.a.s.l. The terrain is rolling and hilly with gentle slopes. Vegetation is typical of the region where the Property is covered by mixed forest made up of black spruce, maple, fir, larch, aspen and pine, up to an altitude of 300 m. Above 600 m, spruce and birch dominate. The area contains rich wildlife and is a preferred habitat for moose, deer, and woodland caribou.

# 6.0 HISTORY

The first work reported in the vicinity of the property starts with geological surveys and mapping in the late 1950s. The government of Qubec performed the regional surveys and mapping and later exploration companies or individuals holding portions of the current property filed assessment reports for work performed on the Property. The work performed was mostly sampling programs on the quartzites and one four-hole drill program. The Property exploration history is summarized in Table 6.1.

**Table 6.1: Saint Gabriel Silica Project History**

| Saint-Gabriel Silica Project and Immediate Area | | | | |
|---|---|---|---|---|
| **Year** | **Report** | **Company** | **Exploration** | **Remarks** |
| 1960 | RP 430 | Quebec Ministry of Mines | Regional Geologic Mapping | The region of Saint-Gabriel is included in a geological mapping program executed by the Quebec Ministry of Mines. It has been established that the Formation de Val-Brillant has a thickness that varies between 300 and 500 ft. One sample collected on the Awantjish township graded 98.7% silica, 0.26% alumina and 0.31% iron. |
| 1968 | v. 52, p. 615-640 | Bulletin American Association of Petroleum Geologists | Regional Stratigraphy and Paleontology | Silurian stratigraphy and paleogeography of Matapédia-Temiscouata region, Québec |
| 1972 | DP 202 | Quebec Ministry of Natural Resources, | Regional Geologic Mapping | Geology of the Mont-Joli - Matane Region |
| 1980 | 37275 | Placements Appalache Inc. | Geologic Mapping | The company has taken an option on a group of claims in Fleuriau-Massé and the purpose of this study is to establish whether the strip of sandstone underlying the property can have commercial use and, in second analysis, know whether its dimensions are suitable, in the medium term, for commercial exploitation. Claims: 2774810, 2773506, 2773507, 2773508, 2773509. 2774811. |
| 1986 | 44784 | Exploration Mon-Dor Inc. | Exploration Program | An exploration program was carried out on the property by Exploration Mon-Dor Inc. comprising line cutting, a geological survey and a sampling program of 227 samples. Claims: 2774810, 2773506, 2773507, 2773508, 2773509. 2774811. |
| 1987 | MB8734 | Ministry of Energy and Resources of Quebec | Geologic Report | A report on the Silurian-Devonian stratigraphy of the Saint-Gabriel/Saint-Guy region is produced by the Ministry of Energy and Resources of Quebec. Both the geology and the structural contexts were subjects of an extensive study carried out by Bourque and Gosselin. Claims: 2774800, 27748101 |
| 1991 | 50965, 53236 | Andre Liboiron | Drilling Report Results shown below | 47 samples analyzed from 4 vertical drill holes that averaged 98.6% SiO2. Claims: 2773506, 2773507, 2773508 |

| Year | Report | Company | Exploration | Remarks |
|---|---|---|---|---|
| 1991 | 57610 | Georges Reid | Sampling Program | Sampled over 700 metres with ten samples grading between 95.6% and 99.7% SiO2. Claims: 2774810, 2773506, 2773507, 2773508, 2773509. 2774811. |
| 1999 | 57849 | Fonds D'Exploration Minière du Bas-Saint-Laurent | Study of Silica from Val Brillant | In the Bas-Saint-Laurent, numerous exploration works have shown that the quartz arenite of the Val-Brillant Formation has a high silica content and can constitute a good source of silica. Covers the whole property |

All the historic assessment and government reports listed can be found on the Sigeom website. (https://sigeom.mines.gouv.qc.ca)

## 6.1 Historic Drilling

The only reference for the 1991 drilling is a report by Liboiron (1991). The report is largely quoted below. The drill program was carried out to test the Val-Brillant Quartzite.

During the month of September 1991, four (4) diamond drill holes were carried out on the quartzite formation. The boreholes are located on an axis 312 m long and are spaced 62, 100 and 150 m apart (Figure 6.1). The inclination of the four boreholes is vertical. The four drill holes for a total of 546 feet (166.55 m) are distributed as follows:

**Table 6.2: Saint Gabriel Silica Project History**

| Drill Hole | X* | Y* | Length |
|---|---|---|---|
| 91-1 | 568429.00 | 5367206.09 | 55.3 m |
| 91-2 | 568244.00 | 5367186.00 | 36.88m |
| 91-3 | 568142.00 | 5367136.00 | 28.35m |
| 91-4 | 568056.00 | 5367141.00 | 46.02m |

*- NAD83, Zone 19N

### 6.1.1 Lithological Data

Three of the four boreholes intersect the quartzite over their entire length (No. 91-2, 91-3 and 91-4). Drillhole No. 91-1 intersected black mudstone at dimension 130'6" until the end of drilling at 151'. The quartzite encountered in the drilling is perfectly homogeneous. She is white and contains more than 97% (visually) of quartz grains translucent to milky, sub-rounded to sub-angular, smaller in size at 0.5 mm. The grains are cemented by silica. The impurities representing less than 1% of the rock.

Each borehole intersected a hematized level with an average thickness of 12 meters. The distribution of hematite is scattered in decimetric to metric bands. These bands are pinkish to reddish. Generally, the strata are very faintly marked but rather diffuse, but when they are hematized, we observe well-marked laminites. On one outcrop, the hematization highlights the presence of intersecting and truncated laminites.

Two (2) boreholes (no. 91-1 and 91-4) intersected mollusc-type fossils, rarely concentrated in one stratum but rather distributed sparsely. A summary leveling of the land allowed a stratigraphic correlation of the drillings (Figure 6.2).

### 6.1.2 Chemical Analyzes

Forty-seven (47) samples were taken from the four boreholes. The samples were analyzed for the following major elements: Si02, Al203, Fe203, MnO, MgO, Na20, K20, P205 and Ti 02. so as

to cover all of the quartzite encountered. Samples generally represent a continuous 10' section. The entire sampling totals 466' out of 516' drilled, or 90% of the core. The analysis results indicate that the entire deposit, to an average depth of 96', has an average content of 98.60% in Si02, 0.30% in Al203, 0.54% in Fe203, 0.03 in MgO, 0.02 in CaO and 0.04 in Ti 02.

Drill hole results are shown in Tables 6.2 to 6.5 and drill hole composites for silica are shown in Table 6.6.

**Table 6.2: Results For Drill Hole 91-1**

| Hole | From | To | Length | SiO2 | Al2O3 | Fe2O3 |
|---|---|---|---|---|---|---|
| 91-1 | 3.66 | 6.71 | 3.05 | 98.35 | 0.3 | 0.6 |
| 91-1 | 6.71 | 9.75 | 3.05 | 98.55 | 0.3 | 0.7 |
| 91-1 | 9.75 | 12.80 | 3.05 | 99.00 | 0.2 | 0.6 |
| 91-1 | 12.80 | 15.85 | 3.05 | 99.09 | 0.2 | 0.5 |
| 91-1 | 15.85 | 18.90 | 3.05 | 98.62 | 0.3 | 0.6 |
| 91-1 | 18.90 | 21.95 | 3.05 | 98.75 | 0.4 | 0.5 |
| 91-1 | 21.95 | 24.99 | 3.05 | 98.30 | 0.6 | 0.5 |
| 91-1 | 24.99 | 28.04 | 3.05 | 98.28 | 0.6 | 0.5 |
| 91-1 | 28.04 | 31.09 | 3.05 | 97.12 | 1.1 | 0.6 |
| 91-1 | 31.09 | 34.14 | 3.05 | 95.34 | 1.9 | 0.7 |
| 91-1 | 34.14 | 37.19 | 3.05 | 94.16 | 1.8 | 0.7 |

**Table 6.3: Results For Drill Hole 91-2**

| Hole | From | To | Length | SiO2 | Al2O3 | Fe2O3 |
|---|---|---|---|---|---|---|
| 91-2 | 1.52 | 4.57 | 3.05 | 98.91 | 0.2 | 0.6 |
| 91-2 | 4.57 | 7.62 | 3.05 | 98.69 | 0.2 | 0.6 |
| 91-2 | 7.62 | 10.67 | 3.05 | 99.02 | 0.1 | 0.6 |
| 91-2 | 10.67 | 13.72 | 3.05 | 99.08 | 0.1 | 0.5 |
| 91-2 | 13.72 | 16.76 | 3.05 | 98.95 | 0.2 | 0.5 |
| 91-2 | 16.76 | 19.81 | 3.05 | 99.15 | 0.2 | 0.5 |
| 91-2 | 19.81 | 22.86 | 3.05 | 98.51 | 0.3 | 0.5 |
| 91-2 | 22.86 | 25.91 | 3.05 | 98.62 | 0.4 | 0.4 |
| 91-2 | 25.91 | 28.96 | 3.05 | 98.65 | 0.4 | 0.4 |
| 91-2 | 28.96 | 32.00 | 3.05 | 97.07 | 0.5 | 0.5 |
| 91-2 | 32.00 | 35.05 | 3.05 | 97.12 | 0.7 | 0.4 |
| 91-2 | 35.05 | 36.88 | 1.83 | 95.12 | 1.1 | 0.5 |

**Table 6.4: Results For Drill Hole 91-3**

| Hole | From | To | Length | SiO2 | Al2O3 | Fe2O3 |
|---|---|---|---|---|---|---|
| 91-3 | 1.22 | 4.27 | 3.05 | 98.72 | 0.3 | 0.6 |
| 91-3 | 4.27 | 7.32 | 3.05 | 97.73 | 0.5 | 0.9 |
| 91-3 | 7.32 | 10.36 | 3.05 | 98.68 | 0.3 | 0.5 |
| 91-3 | 10.36 | 13.41 | 3.05 | 97.89 | 0.3 | 0.7 |
| 91-3 | 13.41 | 16.46 | 3.05 | 98.81 | 0.2 | 0.5 |
| 91-3 | 16.46 | 19.51 | 3.05 | 98.43 | 0.4 | 0.5 |
| 91-3 | 19.51 | 22.56 | 3.05 | 98.90 | 0.3 | 0.5 |
| 91-3 | 22.56 | 25.60 | 3.05 | 98.75 | 0.2 | 0.5 |
| 91-3 | 25.60 | 28.35 | 2.74 | 98.88 | 0.2 | 0.5 |

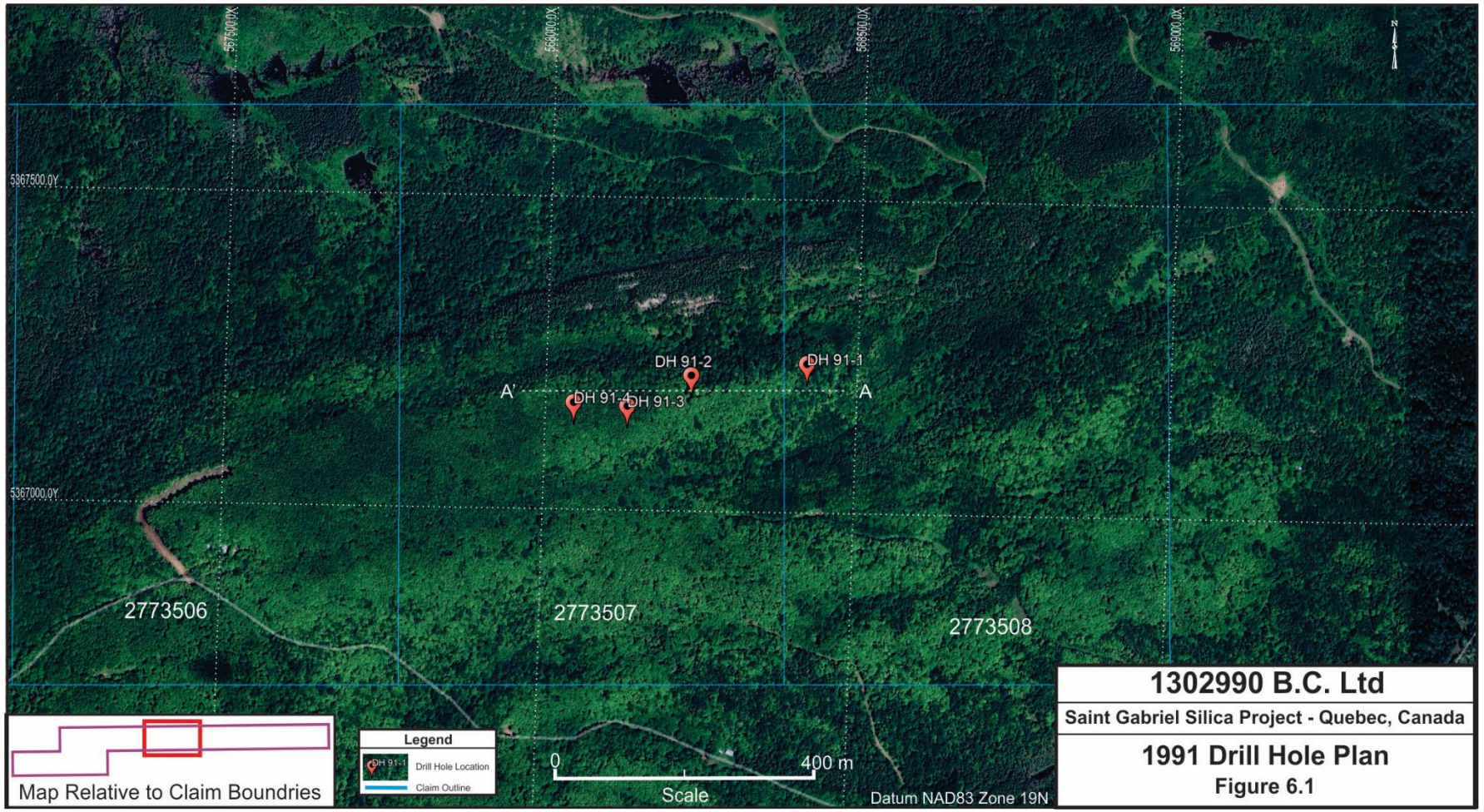


**Figure 6.1: 1991 Drill Hole Location Map**

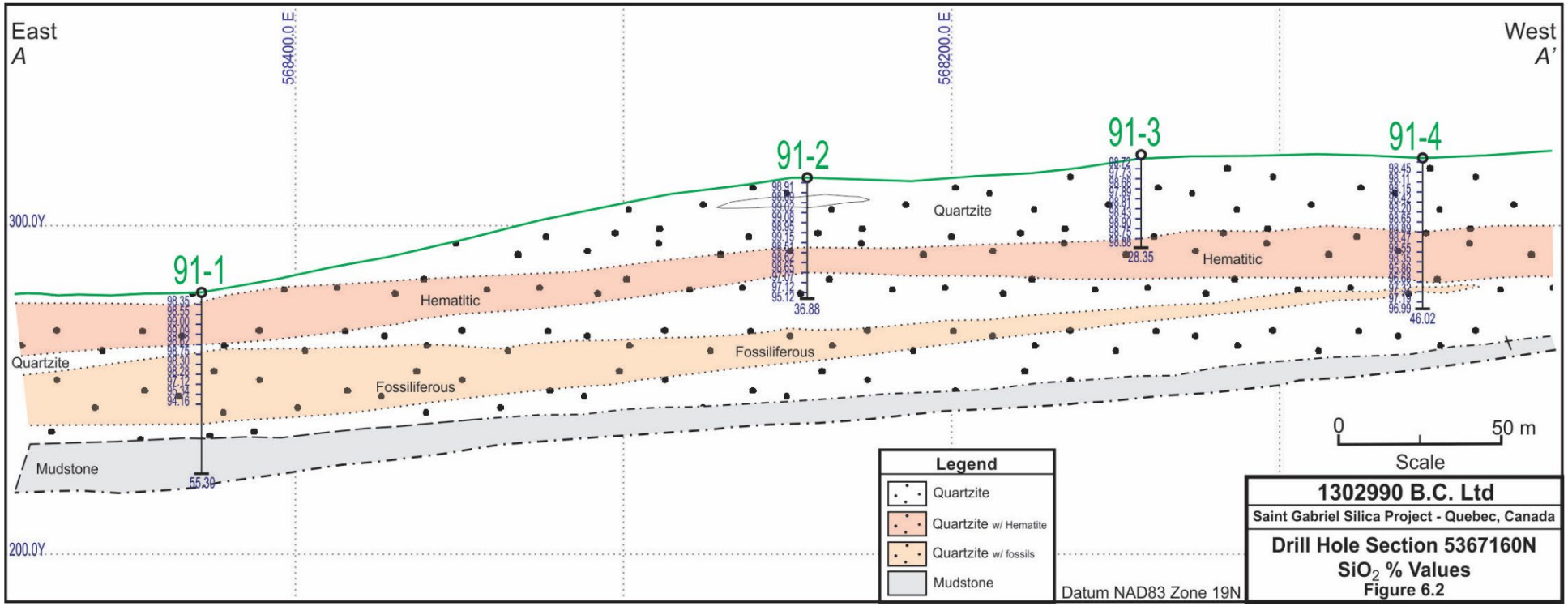


**Figure 6.2: Drill Hole Section 5367160N with SiO2 Values**

**Table 6.5: Results For Drill Hole 91-4**

| Hole | From | To | Length | SiO2 | Al2O3 | Fe2O3 |
|---|---|---|---|---|---|---|
| 91-4 | 1.22 | 4.27 | 3.05 | 98.45 | 0.4 | 0.6 |
| 91-4 | 4.27 | 7.32 | 3.05 | 98.11 | 0.4 | 0.6 |
| 91-4 | 7.32 | 10.36 | 3.05 | 98.15 | 0.4 | 0.6 |
| 91-4 | 10.36 | 13.41 | 3.05 | 98.42 | 0.4 | 0.6 |
| 91-4 | 13.41 | 16.46 | 3.05 | 98.20 | 0.4 | 0.6 |
| 91-4 | 16.46 | 19.51 | 3.05 | 98.65 | 0.3 | 0.5 |
| 91-4 | 19.51 | 22.56 | 3.05 | 98.89 | 0.1 | 0.5 |
| 91-4 | 22.56 | 25.60 | 3.05 | 98.47 | 0.3 | 0.6 |
| 91-4 | 25.60 | 28.65 | 3.05 | 98.55 | 0.3 | 0.6 |
| 91-4 | 28.65 | 31.70 | 3.05 | 98.35 | 0.4 | 0.6 |
| 91-4 | 31.70 | 34.75 | 3.05 | 95.86 | 0.5 | 0.5 |
| 91-4 | 34.75 | 37.80 | 3.05 | 96.68 | 0.8 | 0.4 |
| 91-4 | 37.80 | 40.84 | 3.05 | 97.32 | 0.6 | 0.5 |
| 91-4 | 40.84 | 43.89 | 3.05 | 97.19 | 0.6 | 0.4 |
| 91-4 | 43.89 | 46.02 | 2.13 | 96.99 | 0.8 | 0.5 |

**Table 6.6: Silica Composites For 1991 Drill Holes**

| Hole | Si02% | Al2O3% | Fe2O3% | MgO% | CaO% | TiO2 | Length |
|---|---|---|---|---|---|---|---|
| 91-1 | 98.62 | 0.36 | 0.54 | 0.04 | 0.04 | 0.04 | 28.04m |
| 91-2 | 98.84 | 0.23 | 0.51 | 0.03 | 0.01 | 0.04 | 28.96m |
| 91-3 | 98.53 | 0.29 | 0.57 | 0.02 | 0.17 | 0.04 | 28.35m |
| 91-4 | 98.42 | 0.34 | 0.57 | 0.03 | 0.24 | 0.04 | 31.70m |
| Average | 98.60 | 0.30 | 0.54 | 0.03 | 0.02 | 0.04 | 29.26m |

# 7.0 GEOLOGICAL SETTING and MINERALIZATION

The Saint Gabriel Silica property is located in the National Topographic System on map sheets 022C Rimouski and 22B Matane in the Province of Quebec. Ministère des Ressources Naturelles et de la Faune (“MRNF”) (Ministry of Natural Resources and Wildlife) completed a the first regional geologic map in 1960 and completed a more detailed geologic map in 1972 published as Geologic Report DP 202. (Laird, 1972)

## 7.1 Regional Geology

The main reference for the Property is the drilling is a report by Liboiron (1991). The report is largely quoted below with additional citations provided by Marquis (2024).

The St-Gabriel/St-Guy region is dissected by two major faults, the Neigette (Béland, 1960) and the Rimouski River ((Bourque et al. 1987, after Beland, 1960, and Lajoie, 1972) faults (Figure 7.1). The Neigette Fault brings the Quebec Group and the Silurian-Devonian sequence into contact in the northwestern part of the Temiscouata region. A series of en echelon sinistral faults clinging to this main fault affects the Silurian strata (Bourque et al., 1987) towards the south. Although their effect seems to quickly fade away from the Neigette fault, apparent displacements of a few kilometers can be evaluated based on the outline of a thin limestone level (limestone unit SLa) whose position stratigraphic seems constant. Liboiron (1991)

The Rimouski River fault extends from the Neigette fault, at a point just south of the village of Neigette, to the southern limit of the region studied, some 5 kilometers east of St-Guy (Figure 7.1). It mainly intersects the strata of the Saint-Léon Formation. In the southwest corner of the region, it brings the Siluro-Devonian sequence into contact with the Trinity Ordovician Group. A photo stereoscopic analysis shows that the Rimouski River fault produces a major structural lineament which corresponds to a corridor of intense deformation with an average width of approximately 4 kilometers. In the Lac de l'Islet syncline sector, this corridor is particularly marked, and a fault connected to that of the Rimouski River constitutes its southeastern limit. This last fault continues towards the southwest in the Trinity Group. The property is located in the southeast domain (Figure 7.1).

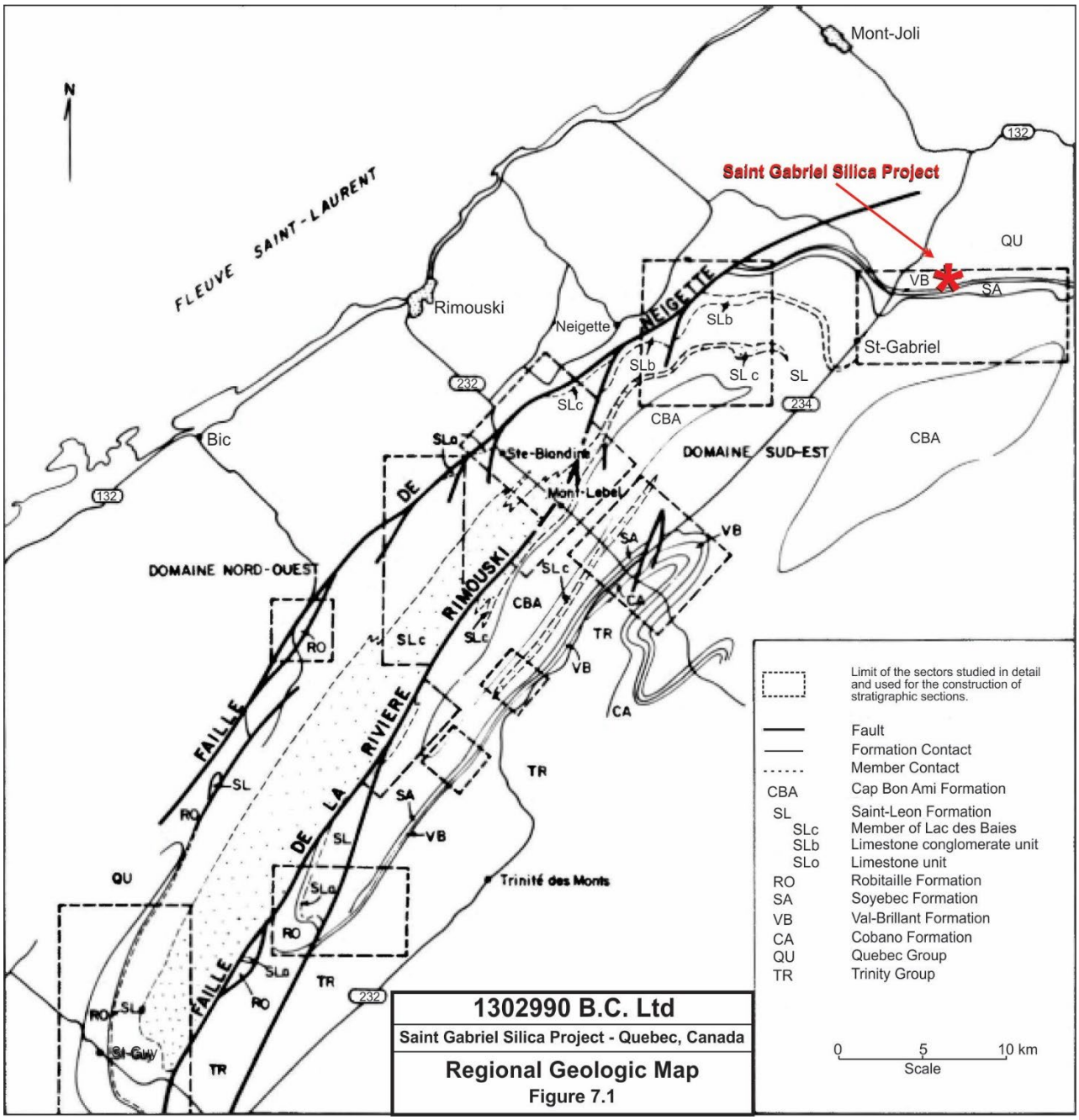


**Figure 7.1 – Geological Features of The St-Gabriel/St-Guy Region and Location of Study Areas**
(Bourque et al., 1987, after Lajoie et al., 1968)

## 7.1 Local Geology

Local Geology after Marquis, 2024.

The quartzite present on Silica II property is from the Val Brillant Formation, which is sedimentary in origin and of Siluro-Devonian age. In the southern part of the area studied by Bourque and Gosselin (1987), the Val Brillant Formation is composed of quartz arenite (Figure 7.2) in thick banks forming beds a few decametres thick, interbedded with mudstone reaching a few metres and up to 100 metres in thickness. The proportion of quartz arenite compared to the mudstone would be about 1/3 (Bourque et al., 1987). The mudstone would be green, black or red and locally fossiliferous. A few thin beds of dolomitic limestone with crypto cyanobacterial laminites are also present, as well as rare banks of quartz pebble conglomerates (Bourque et al., 1987).

This formation rests in angular discordance on the Cambro-Ordovician age rocks of the Québec Group. South of Val Brillant, also on the property is found the Sayabec Formation (Figure 7.3) composed of limestone. The geology map for the property is presented in Figure 7.4.

**Figure 7.2 – Quartzite of the Val Brillant Formation**

**Figure 7.3 – Limestone of the Sayabec Formation**

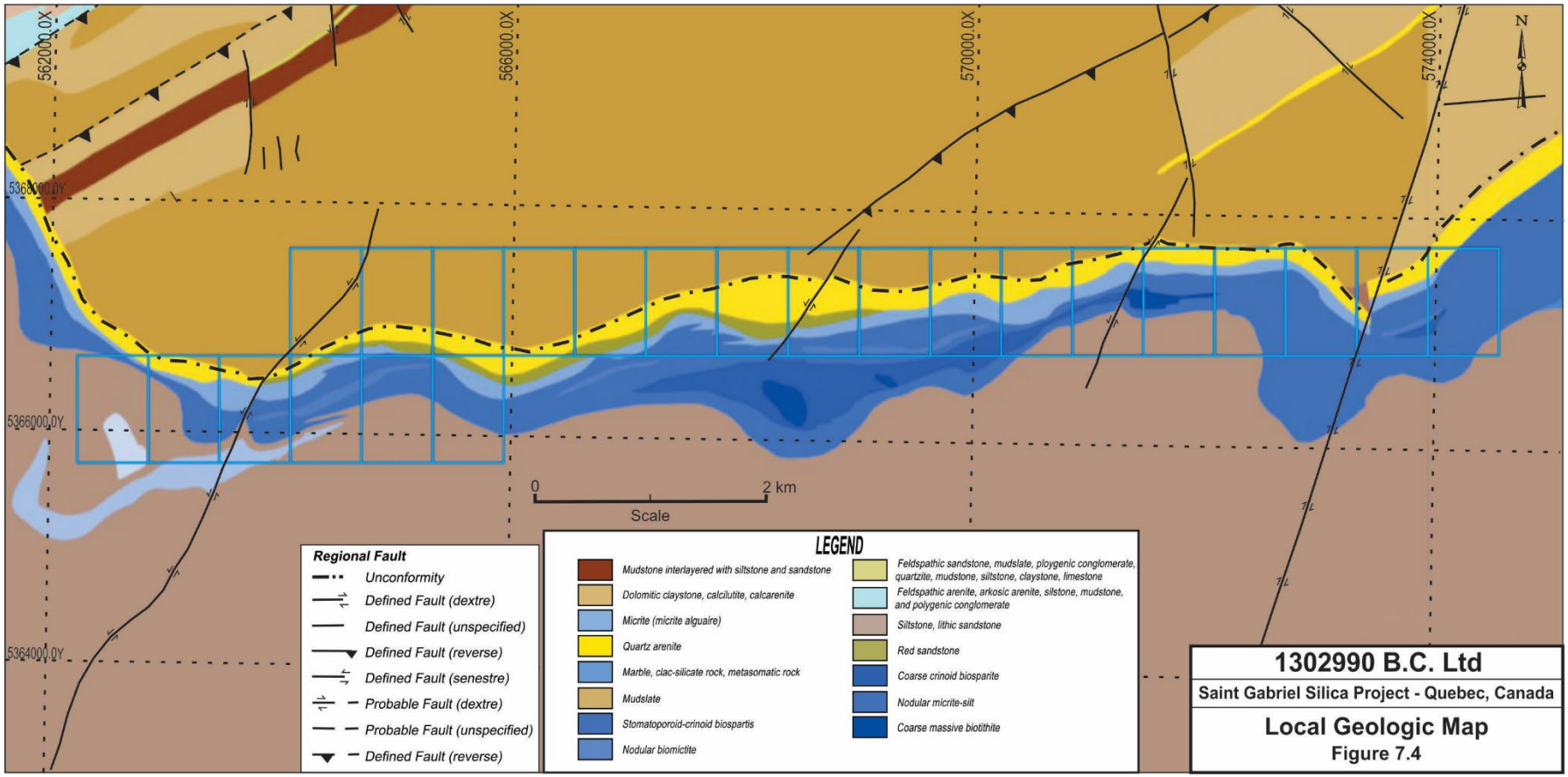


**Figure 7.4: Local Geologic Map**

# 8.0 DEPOSIT TYPES

Genetic models for Quartzite: What is the depositional environment of quartzite and where does it form?

Most quartzite forms during mountain-building events at convergent plate boundaries where sandstone was deposited on a continental plate. There, the sandstone is metamorphosed into quartzite by the intense pressure of a plate collision and often by deep burial. (King, 2005)

Compressional forces at the plate boundary fold and fault the rocks and thicken the crust into a mountain range. Quartzite is an important rock type in folded mountain ranges throughout the world.

Quartzite has many uses in construction, manufacturing, architecture, and the decorative arts.

# 9.0 EXPLORATION

Argyle Resources Corp. contracted the Noront Group (Noront) of Sault Ste. Marie, Ont. to manage a surface sampling program in 2023. Noront prepared an assessment report for the Saint Gabriel Silica Project (Silica II) (Marquis, 2024) to be filed with the Quebec Ministry. The Sampling program of 2023 report is quoted below with some edits for continuity.

## 9.1 Preparation

*As part of the preparation of the exploration work, all surface right owners covering the entirety of the property were contacted. For the 2023 program, the team only accessed the surface properties where authorization was granted by the owners.*

## 9.2 Sampling program

*On October 18th and 19th of 2023, a sampling program occurred on different outcrops of the Silica II property in Saint-Gabriel-de-Rimouski. A total of fourteen (14) samples were collected and out of that number, eleven (11) rock samples and one (1) standard were sent to ALS laboratory in Mississauga (Ontario, CA) for assaying.*

*The three (3) samples that have been discarded were collected from potential historical drillhole site locations and consisted of limestone. Since the exact locations of these drillholes were questioned by the team after many observations didn't correlate with the historical data reported on the property, and the nature of these samples, it was decided not to send the limestone for assaying.*

## 9.3 Sampling approach and methodology

*The sampling approach was established by the team, Maude Marquis and Aaron Nicholson, prior to accessing the property. Description of rock samples was performed by Maude Marquis Eng. All sampling activities took place directly on site, on the Silica II property following procedures further described herein.*

*The team walked the main trails and off the beaten path. The surroundings were progressively scanned for outcrops of interest. When an outcrop showed clear signs of quartzite, a sample was taken using a hammer and a chisel.*

*The sampling procedures included a mineral description of the geological unit composing the outcrop in terms of color, grain size, alteration, accessory minerals and fracture descriptions, and a description of the sample itself. The GPS location of the sample, and the strike and dip of the outcrop, were data taken on site and later entered in a Microsoft Excel® sheet. A minimum of two (2) pictures of the sample, along with its corresponding tag number and the GPS coordinates were taken on site (Figure 9.1). All the data collected directly in the field can be found in Table 9.1.*

*Once the geology was described, the team made sure they collected approximately 1 kg of material on each location and placed the rocks in a clear bag along with an individual numbered sample tag. The bag was secured using a plastic cable tie. The tag numbers were entered into the database in the Microsoft Excel® sheet.*

**Figure 9.1: Example of photo taken for a grab sample collected on site.**

*For each sample, a unique sample number and coordinates are visible in the photograph to add to the database and for easy retrieval of information at a later date, if required.*

**Table 9.1: 2023 Sampling Program Field Notes**

| SAMPLE ID | TYPE | DATE | SITE | Municipality | EASTING | NORTHING | CODE | DESCRIPTION | COLLECTED BY | COMMENT | FIELD NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23901 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568499 | 5367438 | M12 | quartzite | Marquis; Nicholson | | Large outcrop running on many dozen meters, steep escarpment of 10-12meters high; medium grey with vegetation; strike approx.120°, dip 26°. Massive, light to medium grey of fresh cut; fine grained. |
| 23902 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568545 | 5367439 | M12 | quartzite | Marquis; Nicholson | | Same large outcrop, eastern location when tin out to 1m high; medium grey with vegetation; strike approx.120°, dip 31°. Massive, light to medium grey of fresh cut; fine grained. |
| 23903 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568275 | 5367342 | M12 | quartzite | Marquis; Nicholson | | Outcrop approx.15-30m*100m; strike 98°(mag), dip 32°; burgundy hue locally on outcrop, hem. Light grey on surface with oxid. traces, medium grey on fresh face; fine grained (<1mm), rounded to subrounded qtz grains. |
| 23904 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568217 | 5367334 | M12 | quartzite | Marquis; Nicholson | | Sample half-way through the outcrop, where it seperates in 2. Light grey to medium grey on fresh faces; fine grained (<1mm), rounded to subrounded grains of qtz; hem. alt. |
| 23905 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568162 | 5367328 | M12 | quartzite | Marquis; Nicholson | | Outcrop a little N of previous as we walk W; strike 85°, dip 25~28°. Light grey to medium grey on fresh faces; fine grained (<1mm), rounded to subrounded grains of qtz; hem. alt. |
| 23906 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568206 | 5367229 | S7 | limestone | Marquis; Nicholson | approx. location of 1991 DDH (source: sigeom); Canceled | Outcrop on top of hill, face, 8m wide*2m high; strike 120°/ dip 28°; covered with moss and birch three roots. Light cream-grey on surface, light grey on fresh faces; fine grained, almost aphanitic. Limestone looking. |
| 23907 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568009 | 5367182 | S7 | limestone | Marquis; Nicholson | approx. location of 1991 DDH (source: sigeom); Canceled | Near reported location 1991 ddh (? real location; further north-west); 1~2m high outcrop covered with moss, vegetation, many along a natural path going 95°; cm to dm bands of limestone dipping 31°S. Brown-ish on surface, medium grey on fresh cut; fine grained, almost aphanitic. |

| SAMPLE ID | TYPE | DATE | SITE | Municipality | EASTING | NORTHING | CODE | DESCRIPTION | COLLECTED BY | COMMENT | FIELD NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23908 | grab | 2023-10-18 | Silica II | Sainte-Jeanne-d'Arc | 568488 | 5367246 | S7 | limestone | Marquis; Nicholson | approx. location of 1991 DDH (source: sigeom); Canceled | Small outcrop, 6m*2m, dip 28°~33°S; covered with moss. mm to dm benches, shale looking, medium to dark grey rock. Dark grey on surface, dark to medium grey on fresh cut; homogeneous, fine grained, almost aphanitic. |
| 23909 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568459 | 5367345 | M12 | quartzite | Marquis; Nicholson | | Long metric outcrop visible at different places over several dozen metres, covered with vegetation; strike 95°, dip 26°. Creamy to light grey on surface with oxid. traces, light grey-white-ish on fresh cut; fine grained (<1mm), subrounded to rounded silica xls; hem. alt. |
| 23910 | qa/qc | 2023-10-18 | Silica II | | | | | | | QA/QC; uncertified STD | |
| 23911 | grab | 2023-10-18 | Silica II | Saint-Angèle-de-Mérici | 568536 | 5367363 | M12 | quartzite | Marquis; Nicholson | | Long outcrop visible at different places, 30m wide *several dozen metres east-west; covered with vegetation, mostly lichen; strike 90°, dip 26°. Creamy to light grey on surface with oxid. traces, light grey, highly altered/weathered on fresh cut. Dark orangy, hem. alt.; fine grained, sugary textured quartzite. |
| 23912 | grab | 2023-10-18 | Silica II | Sainte-Jeanne-d'Arc | 568604 | 5367357 | M12 | quartzite | Marquis; Nicholson | | Eastern part of previously sampled outcrop running east-west; covered with vegetation, dirt. Creamy to light grey on surface with oxid. traces, light grey-white-ish on fresh cut; fine grained (<1mm), subrounded to rounded silica xls; hem. alt. |
| 23913 | grab | 2023-10-19 | Silica II | Saint-Angèle-de-Mérici | 568512 | 5367398 | M12 | quartzite | Marquis; Nicholson | With Jim McCrea, QP | Rounded outcrop visible on ~4m wide*few dozen metres east-west; structure 110°, dip 25°S. Creamy to light grey with burgundy alteration (hem.) on surface, light grey on fresh cut, little oxid.; sugary texture, very fine grained, almost aphanitic. |
| 23914 | grab | 2023-10-19 | Silica II | Saint-Angèle-de-Mérici | 568416 | 5367393 | M12 | quartzite | Marquis; Nicholson | With Jim McCrea, QP | Rounded outcrop, part on the trend of sample 23913. Medium grey on surface with lichen and weatherization, creamy, light grey on fresh face; fine grained (<1mm). |
| 23915 | grab | 2023-10-19 | Silica II | Sainte-Jeanne-d'Arc | 570699 | 5367411 | M12 | quartzite | Marquis; Nicholson | With Jim McCrea, QP | Large outcrop running on many dozen meters, steep escarpment of 3~4meters high; medium grey, burgundy hue with vegetation; highly weathered on bottom, more fresh on top; strike approx.100°, dip 27°. Light grey massive rock with 10-15% diss. iron elongated specs; fine grained. |

## 9.4 Results

*In the field, a series of outcrops aligned east-west were visible during the sampling work, with a strike varying between 85° and 120°, a visible thickness of one or two metres north-south, and many dozen meters east-west. The dip of the quartzite from the Formation de Val-Brillant varies between 25° and 31° dipping south, according to the data collected by the team. The extreme north of the formation in this area is characterized by a ten-metre-high cliff (samples 23901 and 23902). To verify the grade of different outcrops with a spacing of about 50 metres per samples on individual outcrops, ten (10) quartzite samples were chipped from the main area and one (1) quartzite was collected on another location, about 2 kilometres further west of the main area and characterized by another large outcrop running on many dozen meters with a steep escarpment of 3 to 4 metres high.*

*The assay results of the eleven (11) rock samples sent to ALS laboratory returned with an average grade of 97.70% SiO2. The highest value is attributed to sample number 23904, grading 99.50% SiO2. The results are presented in 9.1 and on 9.2. (Marquis, 2024)*

**Table 9.2: 2023 Sampling Program Results**

| Sample ID | x | y | Z | SiO2 (%) |
|---|---|---|---|---|
| 23901 | 568499 | 5367436 | 262 | 98.9 |
| 23902 | 568545 | 5367439 | 247 | 96.0 |
| 23903 | 568274.7 | 5367341 | 272 | 97.5 |
| 23904 | 568216 | 5367334 | 284 | 99.5 |
| 23905 | 568163.1 | 5367329 | 278 | 97.9 |
| 23906 | 568207 | 5367226 | 308 | - |
| 23907 | 568015 | 5367183 | 329 | - |
| 23908 | 568484 | 5367239 | 285 | - |
| 23909 | 568464.3 | 5367342 | 263 | 98.2 |
| 23910* | - | - | - | 99.6 |
| 23911 | 568540 | 5367352 | 267 | 95.9 |
| 23912 | 568603.2 | 5367357 | 251 | 96.9 |
| 23913 | 568511.4 | 5367396 | 261 | 97.1 |
| 23914 | 568417.8 | 5367395 | 264 | 99.4 |
| 23915 | 570707 | 5367419 | 264 | 97.4 |

* - Standard reference material

**Figure 9.2: Grab Sample Locations with delimited claims.**

## 10.0 DRILLING

There is no current drilling on the Saint Gabriel Silica Project by Argyle Resources Corp. Historic drilling is reported in section 6.

# 11.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

## 11.1 Exploration by Noront Group for Argyle Resources Corp.

The Noront Group (Marquis, 2024) prepared an assessment report for the Property (Silica 2) and the sections from that report discussing sampling, security, and quality control are quoted below. No other sample preparation information was available to the author.

### 11.1.1 Sample Shipment

*A total of twelve (12) samples, including one standard made of high-quality quartzite (sample 23910) were bagged and then transported to the ALS laboratory in Montreal (Quebec). The laboratory sent the samples to Mississauga using their in-house transport service.*

*Sample submittal form was included in an email informing the laboratory of the date and method of expedition of the shipment made regarding these samples. Shipped samples were received in good standing.*

### 11.1.2 Samples preparation – Laboratory

*For the 2023 sampling program, two types of assays were done on the samples: whole rock analysis with ICP-AES measurement method (ME-ICP06) and analysis of 48 elements by four-acid digestion followed by ICP-MS measurement method (ME-MS61).*

*A total of twelve (12) samples, from the sampling program were chipped for an outcrop, labelled, bagged, and shipped to ALS laboratory. From that number, one standard was included as part of the QA/QC program. The material used for the custom-made standard was high-grade quartzite from another quarry. ALS laboratory carried out internal standard, blank and duplicate analyses.5 Samples were weighed, dried, finely crushed to 70% <2mm, split and pulverized to 85% <75µm. Pulps were assayed using the ICP-AES and ICP-MS measurement methods.*

### 11.1.3 Quality assurance and Quality control

*The integration the standard sample by the team allowed the verification of the quality of the results provided by ALS Laboratory. The author did not visit the laboratory. However, it has a good reputation, assays are controlled with our QA/QC and the work has been done in a professional way. Furthermore, the laboratory is independent from Noront Group Inc. and the author. The author believe that the sampling preparation, security, and analytical procedures are consistent with generally accepted industry best practices. Those were adequate and well suited for the purpose of the 2023 sampling program.*

*On site and during the transport of the samples, the team took all possible actions to ensure the integrity and security of the samples from the property to the laboratory. The samples and methods used by the technical team, the laboratory analytical procedures and the management of the data are adequate and reliable.*

*The assay results of the standard sample showed that there was no anomalous value with 99.60% SiO2.*

*The author is satisfied with the sampling program and no incidents or errors related to its responsibilities have been identified.*

## 11.2 Verification Sampling

The author's verification samples were submitted with the samples collected by Noront as described in the previous section.

No quality control samples were included with the samples and were unwarranted based on the small number of samples collected at the Project. The author believes the sample handling, preparation and analyses of these samples is adequate for this stage of exploration on the Project.

# 12.0 DATA VERIFICATION

Data verifications for the Saint Gabriel Silica Project NI43-101 report included: review of the company's recent assessment report, reports from previous operators, review of technical publications for the Project area and checking the Quebec public mining web site (GESTIM) to confirm title to the claims.

A site visit was conducted over two days, April 17th and 18th, 2025, to evaluate the condition and navigability of the eastern, southern, and primary northern access routes to the property. During the visit, the author engaged with local stakeholders, including private landowners and the primary trail access holder, to assess logistical considerations for future exploration activities.

Due to late-season snow cover—approximately one metre in depth—and active spring melt, direct ground-based access to key quartzite outcrops was not feasible. These environmental conditions introduced safety and mobility limitations that made in-situ inspection of the mineralized zones impractical during the visit period.

To mitigate these access constraints, the author deployed a DJI Mini 3 aerial drone to obtain high-resolution imagery of the site. This allowed for visual confirmation of terrain features and the spatial continuity of the quartzite-bearing units from an aerial perspective. Combined with a review of recent and historical geological data and sampling results, these observations provided sufficient context to assess the property's geological setting.

The author concludes that the verification activities undertaken meet the due diligence requirements outlined in National Instrument 43-101 for an exploration-stage property.

## 13.0 MINERAL PROCESSING and METALLURGICAL TESTING

There are no current metallurgical studies for this property.

## 14.0 MINERAL RESERVE ESTIMATES

This is an early-stage exploration project. There are no Mineral Reserves on the subject property.

## 15.0 MINING METHODS

This is an early-stage exploration project. Mining methods are not relevant to the Saint Gabriel Silica Project at this time.

## 16.0 RECOVERY METHODS

This is an early-stage exploration project. Recovery methods are not relevant to the Saint Gabriel Silica Project at this time.

## 17.0 PROJECT INFRASTRUCTURE

This is an early-stage exploration project. Project infrastructure is not relevant to the Saint Gabriel Silica Project at this time.

## 18.0 MARKET STUDIES AND CONTRACTS

This is an early-stage exploration project. Market studies and contracts are not relevant to the Saint Gabriel Silica Project at this time.

## 19.0 ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL OR COMMUNITY IMPACT

This is an early-stage exploration project. Environmental studies, permitting and social or community impact are not relevant to the Saint Gabriel Silica Project at this time.

## 20.0 CAPITAL AND OPERATING COSTS

This is an early-stage exploration project. Capital and operating costs are not relevant to the Saint Gabriel Silica Project at this time.

## 21.0 ECONOMIC ANALYSIS

This is an early-stage exploration project. Economic analysis is not relevant to the Saint Gabriel Silica Project at this time.

## 23.0 ADJACENT PROPERTIES

There are no notable properties adjacent to the Saint Gabriel Silica Project with public information.

## 24.0 OTHER RELEVANT DATA and INFORMATION

To the author's best knowledge, all the relevant data and information has been provided in the preceding text.

# 25.0 INTERPRETATION and CONCLUSIONS

Historic sampling, drilling, and analysis of the Val Brillant Formation quartzites located on the Saint Gabriel Silica property has demonstrated the high silica content of the unit. Sampling work by Liboiron (1991), Reid (1991) and the 2023 sampling program completed for Argyle Resources Corp. have shown similar results were SiO2 values at surface range from 96.0 to 99.5% with an average of 97.70% (Marquis, 2024).

To further establish the potential of the Property as host to quartzites with high silica content a surface exploration program is recommended. The program is described in Section 26.

Argyle Resources Corp. has a good land position at the Saint Gabriel Silica Project project totaling 1,312.90 hectares. The claims cover potentially bulk minable quartzite showings.

In addition to the historical work conducted on the Property, the regional-scale mapping and recent geophysical survey have provided a baseline of information which can be used to target potential mineralization on the Property. Follow-up surface excavation and channel sampling and more prospecting sampling along the prospective contact is lacking and, therefore, a new grid of drilling targets have not been identified yet. Systematic mineral exploration is required across the Property to identify any mineral potential that may be hosted on the Property. The mineral claims on the Property are in good standing and are situated in a very accessible and stable socio-economic jurisdiction which is supportive of mining and exploration activities.

Because this is an early-stage, grassroots exploration project, there is always the risk that the proposed work may not result in the discovery of an economically viable deposit. The author can attest that there are no significant, foreseeable risks or uncertainties with respect to the Property's potential economic viability or continued viability directly arising from the quality of the data provided within this technical report.

# 26.0 RECOMMENDATIONS

The recommended exploration and work programs for the Saint Gabriel Silica Project are as follows: a single-phase 20-day program with surface excavator trenching, cut channel sampling and access, tote road, construction.

Proposed Program CAD $104,750

| Item and Description | Qty | Rate | Amount |
|---|---|---|---|
| Logistics – Travel, accommodation, transportation, special permitting for 20-day program. | 1 | $21,000.00 | $21,000.00 |
| 4.5 Ton Excavator Rental – 4.5 Kubota Excavator. 6 way tilt blade with thumb, steel tracks, heat and AC | 10 | $1,200.00 | $12,000.00 |
| ATV's and Trailers | 20 | $500.00 | $10,000.00 |
| Channel Cutting | 10 | $200.00 | $2,000.00 |
| Washing Equipment Day Rate | 10 | $100.00 | $1,000.00 |
| Foremen / Safety Officer | 20 | $1,150.00 | $23,000.00 |
| Geotechnical Labour | 55 | $650.00 | $35,750 |

**Total Budget is CAD $104,750**

The Saint Gabriel Silica Project is a Property of Merit that justifies the continuation of exploration programs designed to test the deposit models outlined in this report.

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