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GEOLOGICA
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VAL-D'OR MINING CORPORATION

2021 TECHNICAL FIELDWORK REPORT OF THE LAC LEMOYNE PROPERTY

Val-d'Or Region (32C/04)
Abitibi Greenstone Belt
Quebec, Canada

Val-d'Or, Quebec
November 17, 2021

Alain-Jean Beauregard, P. Geo., OGQ (#227)
Daniel Gaudreault, P. Eng., OIQ (#39834)

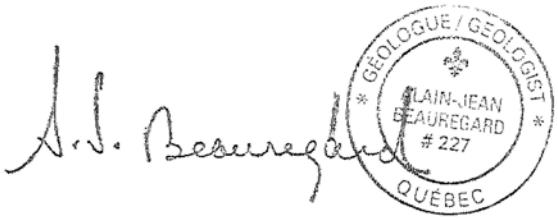
SIGNATURE

2021 TECHNICAL FIELDWORK REPORT
OF THE LAC LEMOYNE PROPERTY

Prepared for

Val-d'Or Mining Corporation
2864, Chemin Sullivan
Val-d'Or, Québec
J9P 0B9

Signed in Val-d'Or, November 17, 2021



Alain-Jean Beauregard, P. Geo., OGQ (#227)



Daniel Gaudreault, P. Eng., OIQ (# 39834)

Certificate of Qualification (Alain-Jean Beauregard)

1. I, Alain-Jean Beauregard, Professional Geologist, reside at 240 Chemin des Pimbinas, La Conception, Québec, Canada.

2. The certificate is related to the report entitled “2021 Technical Fieldwork Report of the Lac Lemoyne Property” (the “Technical Report”). This report was written for Val-d’Or Mining Corporation and dated November 17, 2021.

3. I am a qualified geologist, having received my academic training at Concordia University, in Montréal, Québec (B.Sc. Geology and Mining – 1978) with an attestation in Business Administration (Val-d’Or – 1988). I am a member of the Order of Geologists of Québec #227 (OGQ).

4. I have worked as a geologist for a total of 43 years since my graduation from University with the production of more than one thousand and five hundred (>1500) technical and financial evaluation reports in English or French for government authorities, private and public companies including numerous market value assessments of mining properties from grassroots projects to developed mines, and several companies' entire portfolio of properties. I have been using geophysical data from various surveys (Magnetic, Electromagnetic, IP-Resistivity, Radiometric, Gravity, etc.) since 1978 for geoscientific compilations, interpretations and recommendations for follow up exploration work such as selecting priority drill targets in the Archean rocks of the Superior Province and the highly metamorphic terrain of the Grenville Province for iron, titanium, uranium, rare earth minerals, graphite, precious and base metals. I have organized and managed several exploration campaigns for gold, base metals and industrial metals, especially in remote areas of Abitibi, but also in other parts of the province of Québec (Labrador Trough, Gaspé Peninsula, James Bay, St-Lawrence River, North Shore, Ungava, etc.), in eastern Canada, Europe, Africa and the Americas.

5. I have not visited the subject Property.

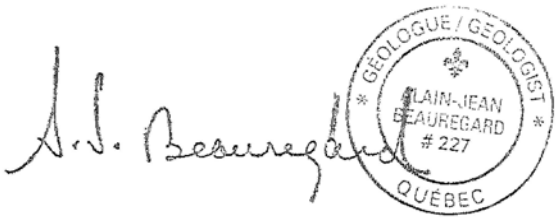
6. I am responsible for the technical parts of Sections 1 to 19 of the Technical Report.

7. I am independent of the issuer (Val-d’Or Mining Corporation) and the Lac Lemoyne Property applying all of the tests in section 1.5 of National Instrument 43-101.

8. I had not prior involvement with the subject Property.

9. I confirm to have read the NI43-101 F1 form and related appendices and that the Technical Report has been prepared in compliance with the National Instrument 43-101.

Dated this 17th day of November 2021



Alain-Jean Beauregard, P.Geo., (OGQ #227)
Geologica Groupe-Conseil Inc.

Certificate of Qualification (Daniel Gaudreault)

1. Daniel Gaudreault, Engineer, reside at 896 Quessy Street, Val-d'Or (Québec), Canada.

2. The certificate is related to the report entitled "2021 Technical Fieldwork Report of the Lac Lemoyne Property" (the "Technical Report"). This report was written for Val-d'Or Mining Corporation and dated November 17, 2021.

3. I graduated with a degree in Geological Engineering ("Eng.") from the University of Québec in Chicoutimi in 1983. I am a member of the "Ordre des Ingénieurs du Québec (OIQ #39834)".

4. I have worked as an engineer for a total of 38 years since my graduation from university. As an engineer specializing in exploration geology, I have been using geophysical data from various surveys (Magnetic, Electromagnetic, Induced Polarization (IP) Resistivity, Radiometric, Gravity, etc.) since 1983 for geoscientific compilations, interpretations and recommendations for follow up exploration work such as selecting priority drill targets a in the Archean rocks of the Superior Province and the highly metamorphic terrain of the Grenville Province for iron, titanium, uranium, rare earth minerals, graphite, precious and base metals. I have been involved with all aspects of planning, organization and supervision of mineral exploration projects, especially in remote areas of Abitibi, Québec. I have been in charge of teams of professionals and technicians on geological projects in the most severe conditions. I have also completed several geoscientific compilations and technical reports on areas of interest in Québec, Ontario, USA (California & Nevada) and South America (mainly Peru).

5. I have not visited the Property. However, I supervised a team of two (2) technicians during the sampling program on September 9, 2021.

6. I am responsible for the technical parts of Sections 1 to 19 of the Technical Report.

7. I am independent of the issuer (Val-d'Or Mining Corporation) and the Lac Lemoyne Property applying all of the tests in section 1.5 of National Instrument 43-101.

8. I had not prior involvement with the subject Property.

9. I confirm to have read the NI43-101 F1 form and related appendices and that the Technical Report has been prepared in compliance with the National Instrument 43-101.

Dated this 17th day of November 2021



Daniel Gaudreault, P. Eng. (OIQ #39834)
Geologica Groupe-Conseil Inc.

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1.0 SUMMARY

At the request of Michael P. Rosatelli, Vice-President of Exploration of Val-d'Or Mining Corporation ("Val-d'Or Mining"), Géologica Groupe-Conseil Inc. ("Geologica") was given the mandate to complete a reconnaissance survey with sampling on the Lac Lemoyne Property ("Property"). The issuer, Val-d'Or Mining, is a Canadian mineral exploration company listed on the TSX-V under the symbol "VZZ". Geologica is an independent mining exploration consulting firm based in Val-d'Or (Quebec).

Alain-Jean Beauregard and Daniel Gaudreault of Geologica Groupe-Conseil Inc. are Qualified Persons under the National Instrument 43-101.

The authors relied on public documents filed at the Quebec Ministry of Energy and Natural Resources (MERN) and information provided by Val-d'Or Mining for the description of the claim status. Furthermore, significant sections and chapters of this report were taken from work reports prepared by previous property owners, and from federal and provincial government studies.

There are no known environmental concerns or land claim issues pending with respect to the Property. It is understood and agreed that the Property was received by Val-d'Or Mining. "as is" and that Val-d'Or Mining shall ensure that all exploration programs on the Property are conducted in an environmentally sound manner.

The Property consists of three (3) map designated claims totaling 81.88 hectares which is 100% owned by Val-d'Or Mining Corporation. The property, which is located close to the city of Val-d'Or, is easily accessible via the national road 117 and then, to the south, by the 'Chemin des Explorateurs' (near the Thompson Bridge) and the 'Chemin de la Baie de la Paix' which crosses the property in its center. The property is located in an urbanized area and some residences are located on the shore of the Thompson River and Lemoine Lake.

The climate generally consists of warm summers from May to October with temperatures up to 15 to 30°Celcius and cold winters from November to April with temperatures of -10 to -35°C. The topography is flat with few rolling hills with an average altitude of 300 to 320 metres above sea level. Supplies, infrastructure and manpower are readily available in Val-d'Or (Quebec).

The Property is advantageously located in west part of the Val-d'Or gold and base-metal mining camp and lies within the east-central part of the Abitibi Greenstone Belt. This geological terrane lies within the Eastern Superior Structural Province of the Precambrian Shield. The Abitibi Greenstone Belt is characterized by numerous Archean volcano-sedimentary belts and igneous intrusive complexes that are crosscut by NNE to ENE-striking Proterozoic diabase dykes.

The Abitibi Greenstone Belt (AGB) is a linear volcano-sedimentary sequence intruded by plutonic suites, extending in a north-easterly direction between the Kapuskasing Gneiss Belt in Ontario to the west, and the Grenville Province in Québec to the east. The 'AGB' is

thought to have developed through arc formation, arc evolution, arc-arc collision, and arc fragmentation dating from 2,735 to 2,760 Ma (Mueller et al, 1996; Daigneault et al, 2004).

There are many fault zones and deformation corridors within the Abitibi Greenstone Belt. The Cadillac-Larder Lake Fault Zone (CLLFZ) and the Destor-Porcupine-Manneville Fault Zones (DPMFZ) are the major tectonic gold deposition structures and the oldest rocks in the area are Keewatin-type volcanic flows. These rocks range in composition from basalt to rhyolite with numerous interbedded horizons of tuff and agglomerates.

The Property is dominated by sedimentary units of the Pontiac Group and two (2) NE-SW diabase dykes transcut the Property.

On September 9, 2021, Geologica carried out a field visit and conducted biogeochemical and soil B-Horizon sampling on the Lac Lemoyne Property. A total of twenty (20) biogeochemical (black spruce twiggs) and fifteen (15) soil (B-Horizon) samples were collected.

The Property warrants a follow-up exploration program due to the presence a significant gold mineralization in the immediate vicinity and a favourable geological context for gold within the sedimentary rocks similarly to Canadian-Malartic deposit.

Geologica recommends a follow-up exploration program on the Property based on a technical evaluation of all previous work filed with the MERN and from the recent fieldwork conducted on the Property in September 2021. An exploration budget of $ 485,000 in two (2) Phases is proposed.

2.0 INTRODUCTION AND TERMS OF REFERENCE

At the request of Michael P. Rosatelli, Vice-President of Exploration of Val-d'Or Mining Corporation ("Val-d'Or Mining"), Géologica Groupe-Conseil Inc. ("Geologica") was given the mandate to complete a reconnaissance survey with sampling on the Lac Lemoyne Property ("Property"). The issuer, Val-d'Or Mining, is a Canadian mineral exploration company listed on the TSX-V under the symbol "VZZ". Geologica is an independent mining exploration consulting firm based in Val-d'Or (Quebec).

Alain-Jean Beauregard and Daniel Gaudreault of Geologica Groupe-Conseil Inc. are Qualified Persons under the National Instrument 43-101.

2.1 Principal Sources of Information

As part of the current mandate, the independent qualified persons (QPs) as defined by NI 43-101 have reviewed the following with respect to the Property: mining titles and their status recorded in GESTIM (the Quebec Government online claim management system); technical data supplied by the issuer (or its agents); and public sources of relevant technical information available through SIGEOM (the Quebec Government online dataroom for assessment work).

Some of the geological and/or technical reports for the Property or other projects in the vicinity were written before the implementation of NI 43-101 in 2001. The authors of such reports appear to have been qualified and the information prepared according to standards that were acceptable to the exploration community at the time. However, in some cases, the data is incomplete and do not fully meet the current requirements of NI 43-101. Geologica has no known reason to believe that any of the information used to prepare the Technical Report is invalid or contains misrepresentations. The authors have sourced the information for the Technical Report from the collection of reports listed in Section 19 – References.

2.2 Currency, Units, Abbreviations and Definitions

All currency amounts are stated in Canadian dollars. Quantities are mainly stated in metric units and imperial measure if necessary (Canadian and international practice), including metric tonnes (tonnes, t) and kilograms (kg) for weight, kilometres (km) or metres (m) for distance, hectares (ha) for area, grams (g) and grams per metric tonne (g/t) for gold grades; and grams per metric tonne (g/t) for silver grades. Precious metals quantities may also be reported in troy ounces (ounces), a common practice in the gold mining industry (Table 1).

Table 1 – List of abbreviations

Unit or Term	Abbreviation or Symbol
American dollars	US$ or USD
billion	G
billion years	Ga
Canadian dollar	$, CA$, CAD
centimetre	cm
chalcopyrite	cpy
carbon-in-pulp	CIP

Unit or Term	Abbreviation or Symbol
cobalt	Co
copper	Cu
cubic metre	m3
decametre	dm
degree Celsius	°C
diamond drill hole	DDH
Directive 019 sur l'industrie minière	Directive 019
electromagnetic	EM
foot	ft, '
gold	Au
gold equivalent	AuEq
gram	g
gram per cubic centimetre	g/cm3
gram per metric ton	g/t
hectare	ha
horizontal loop electromagnetic	HLEM
inch	in, "
induced polarization	IP
inductively coupled plasma	ICP
iron	Fe
joint venture	JV
kilogram	kg
kilometre	km
magnetometer, magnetometric	Mag
metre	m
metres above sea level	masl
metric ton (tonne)	t
micron (micrometre)	µm
millimetre	mm
million	M
million metric tons	Mt
million ounces	Moz
million years	Ma
Ministère de l'Énergie et des Ressources Naturelles du Québec	MERN
Ministère des Forêts, de la Faune et des Parcs	MFFP
Ministère de l'Environnement et de la Lutte contre les changements climatiques	MELCC
National Instrument 43-101	NI 43-101, 43-101
net smelter return	NSR
nickel	Ni
ounce per short ton	oz/st
palladium	Pd
part per billion	ppb
part per million	ppm
platinum	Pt
pyrite	py
pyrrhotite	po
short ton	st, ton
silver	Ag
thousand	k
thousand ounces	koz
tonnes (metric tons) per day	tpd

Unit or Term	Abbreviation or Symbol
troy ounce	oz
tungsten	W
underground	UG, U/G
versatile time domain electromagnetic	VTEM
volcanogenic massive sulphide	VMS
zinc	Zn

3.0 RELIANCE ON OTHER EXPERTS

The authors did not rely on other experts in completing this report.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Lac Lemoyne property is located in Abitibi-Témiscamingue region west of the city of Val-d'Or close to the Thompson River and Lac Lemoine (Figures 1 and 2). The center of the Property is located at 284,900E and 5,328,200N in NAD 1983 UTM Zone 18N coordinate system (Universal Transverse Mercator Projection). It consists of three (3) map designated claims totaling 81.88 hectares 100% owned by Val-d'Or Mining Corporation (Table 2 and Figure 3).

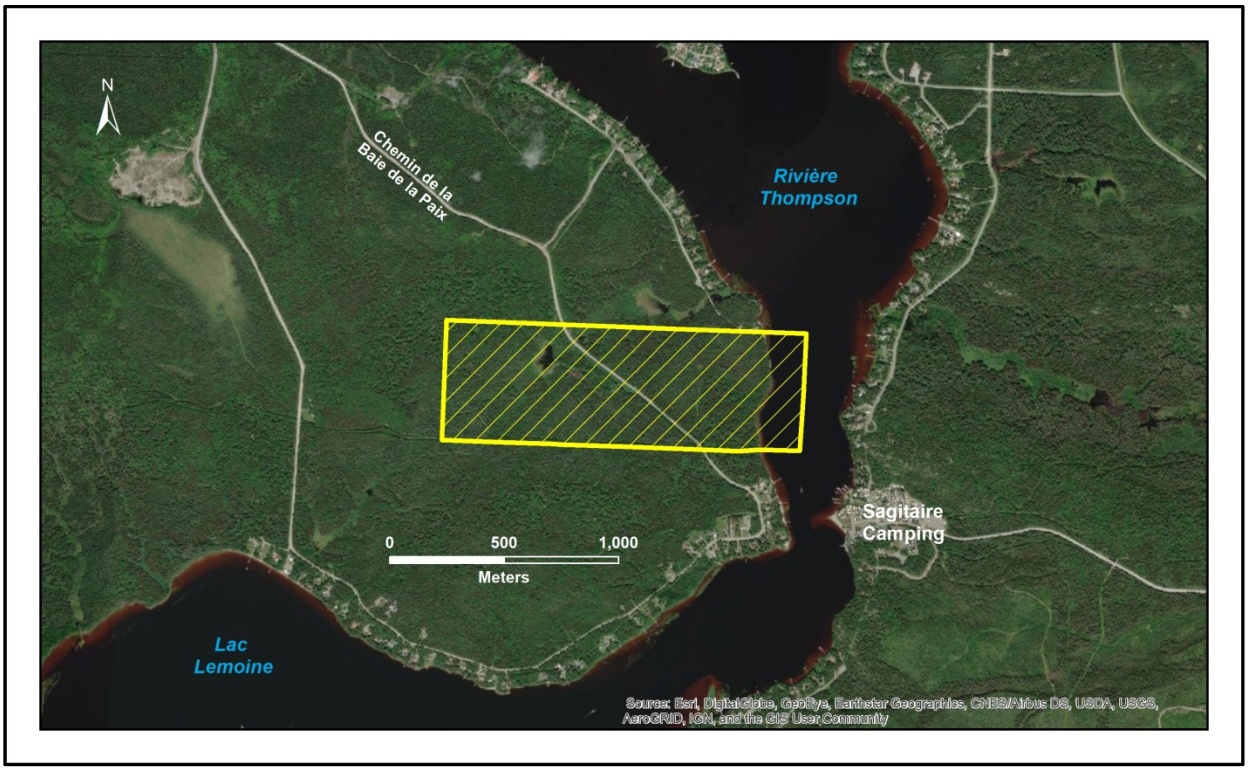


Table 2 – Mining Title List of the Lac Lemoyne Property

Val-d'Or Mining Corporation (97175) 100 % (responsible)								
	Title No	**NTS Sheet**	**Type of Title**	**Expiry Date**	**Area (Ha)**	**Excess Work**	**Required Work**	**Required Fees**
1	2455304	NTS 32C04	CDC	2022-08-27 23:59	24.37	$2,208.76	$1,000.00	$67.00
2	2455305	NTS 32C04	CDC	2022-08-27 23:59	32.49	$1,777.90	$2,500.00	$67.00
3	2455306	NTS 32C04	CDC	2022-08-27 23:59	25.02	$794.34	$2,500.00	$34.25
				Total:	**81.88**	**$4,781.00**	**$6,000.00**	**$168.25**

From: Gestim, Quebec Energy and Natural Resources Ministry, Mining Title Management, November 2021

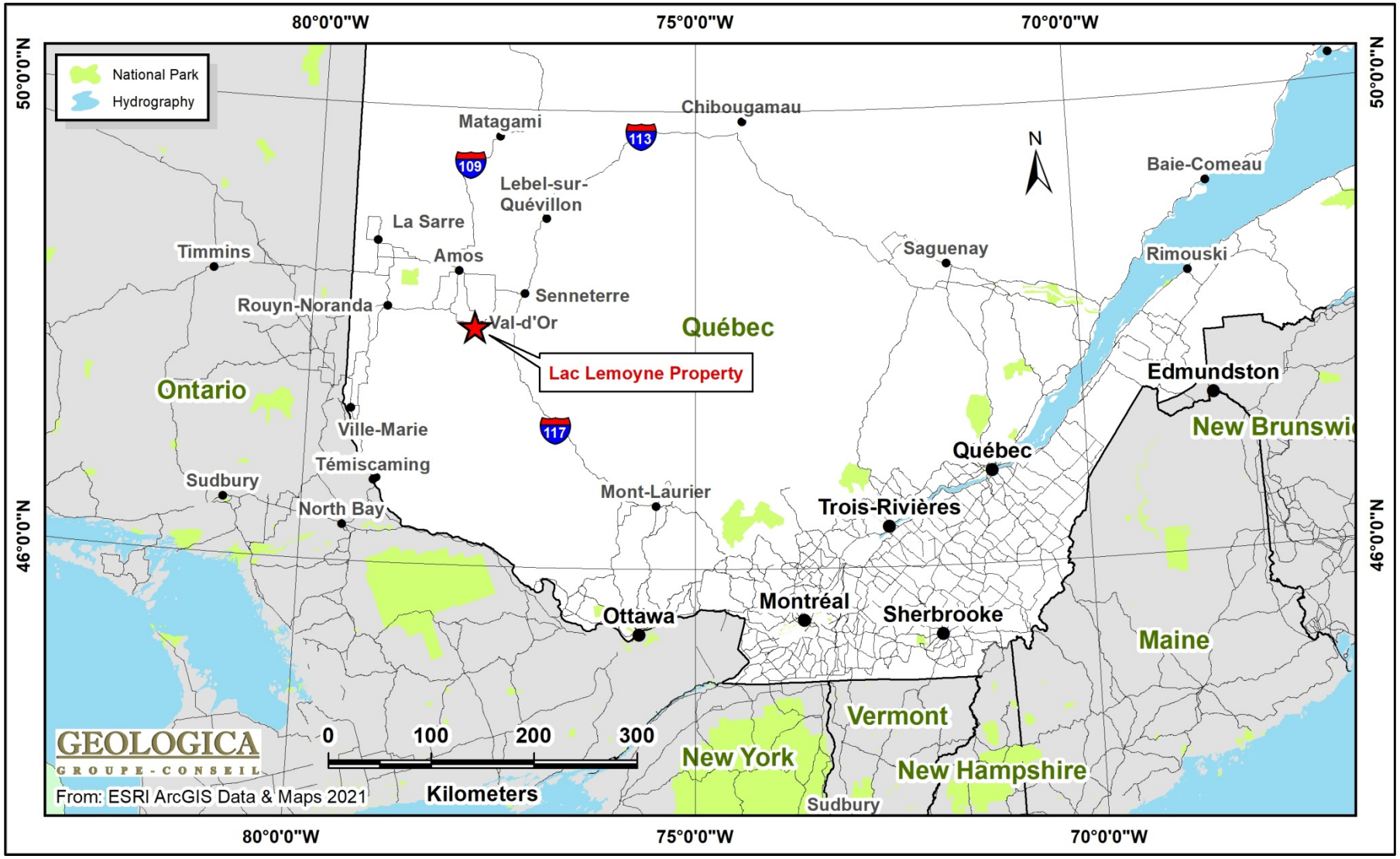


Figure 1 – General Location

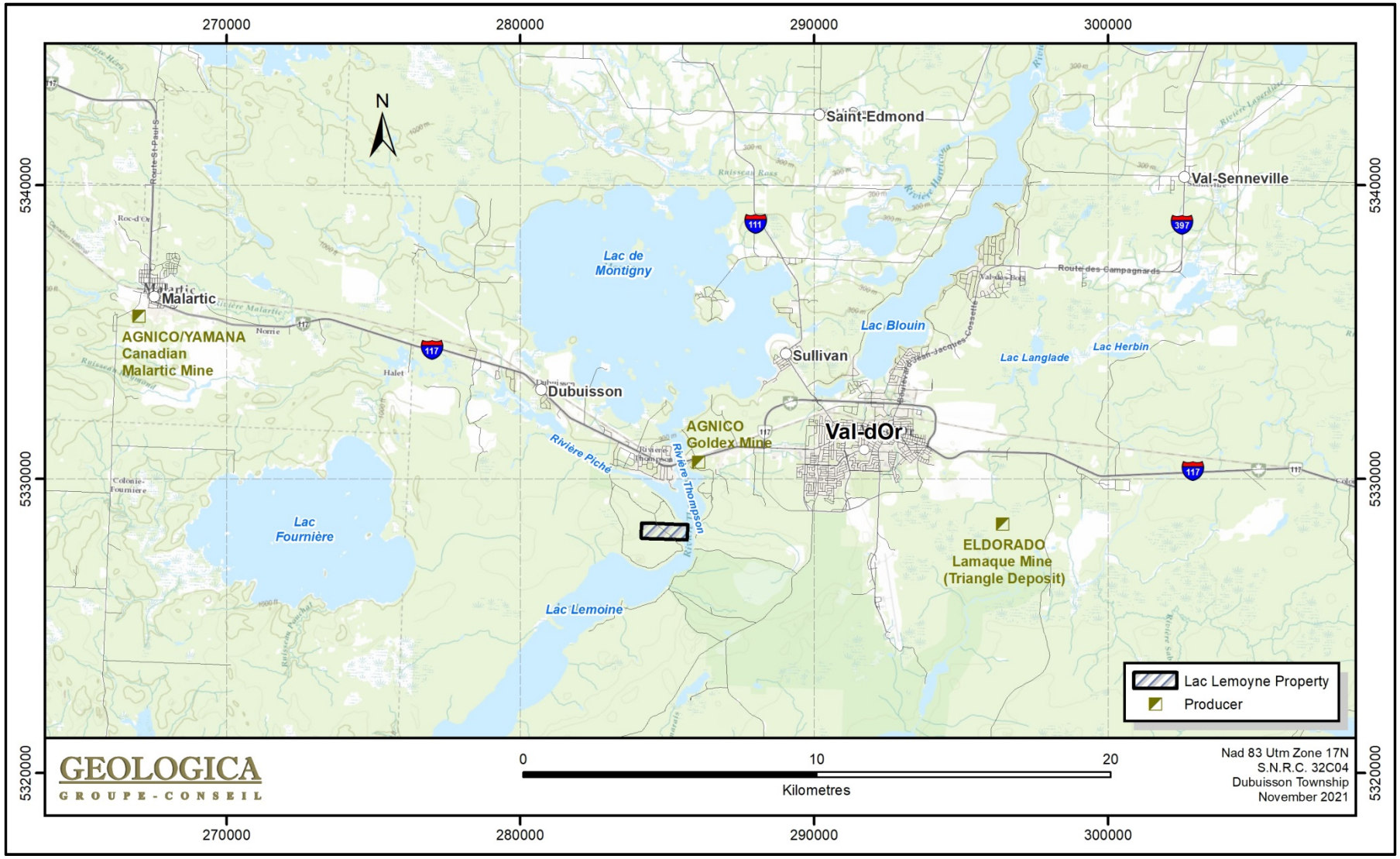


Figure 2 – Detailed Location

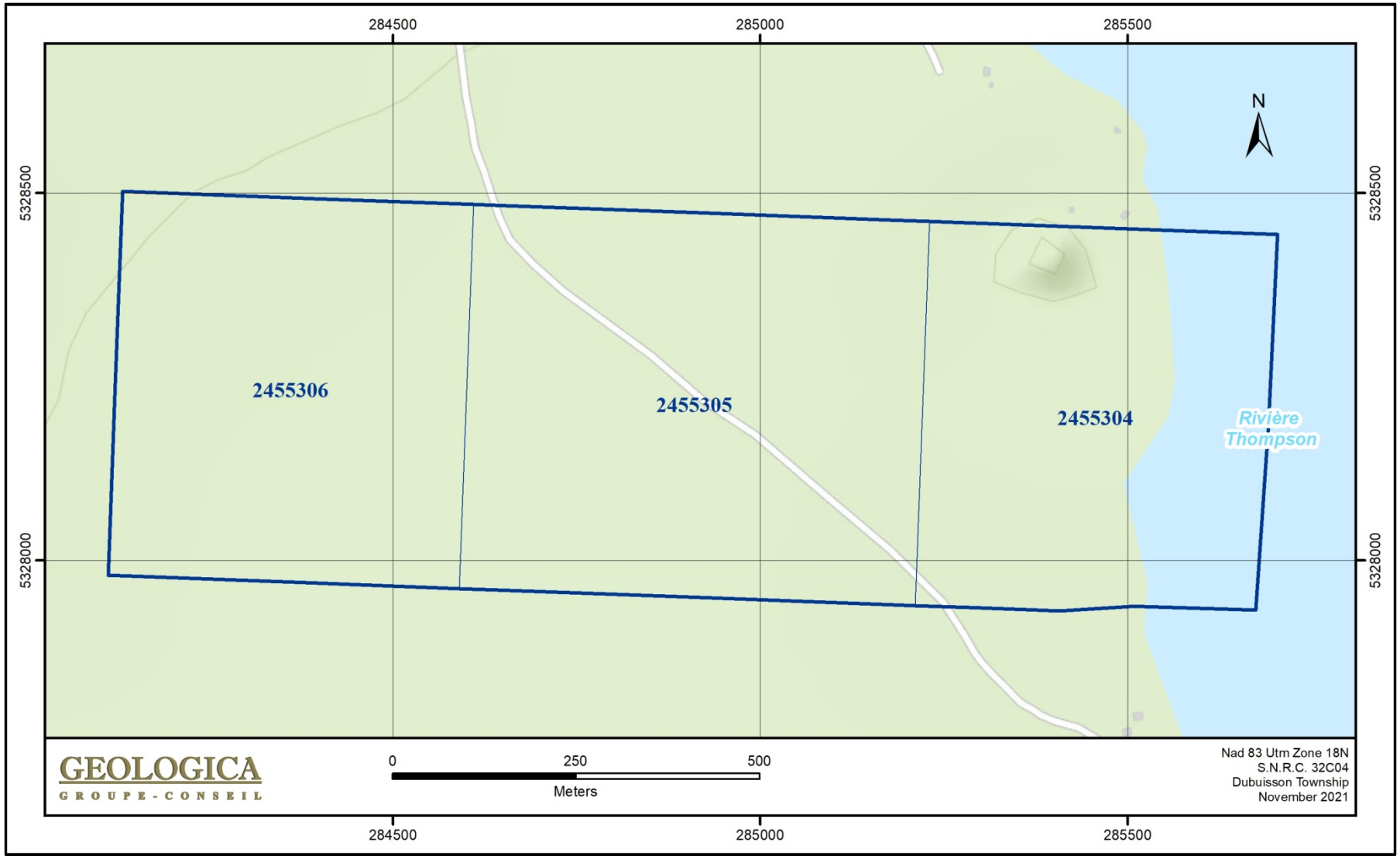


Figure 3 – Mining Titles Map

4.1 Quebec Mining Law

Claims

Under the Québec Mining law, a claim is the only exploration title that can be granted by the government for the exploration of mineral substances on lands in the public domain. It can be obtained:

- By map designation, the principal method for acquiring a claim.
- By staking on lands that have been designated for this purpose.

  For the Lac Lemoyne Property, mining titles were obtained using map designation.

A claim is a mineral right that gives its holder a two-year exclusive right to explore a designated territory for any mineral substances that are part of the public domain with the exception of:

- petroleum, natural gas and brine;
- sand other than silica sand used for industrial purposes, gravel, common clay used in the manufacture of clay products, and other mineral substance found in its natural state as a loose deposit, as well as inert mine tailings used for construction purposes;
- on any part of land that is also subject to an exploration licence for surface mineral substances or an exclusive lease to mine surface mineral substances, every other surface mineral substance.

The claim also allows the holder to explore for mineral substances in mine tailings that are located on public land. Sometimes, the claims can be located on private surface right. The company must then report to the owner of the nature of the work that will be carried out. The claim holder may renew his title for a two-year period. To do so, he must submit an application for renewal at least 60 days prior to the claim expiry date; pay the required fees, which vary according to the surface area of the claim, its location, and the date the application is received:

- If received 60 days prior to the claim expiry date, the regular fees apply;
- If received within 60 days of the claim expiry date, the fees are doubled.
- Must submit his assessment work report and the work declaration form at least 60 days before the claim expiry date. If the remittance of these documents is made during the 60 days prior to the expiry date, a penalty fee of $25/claim until maximum of $250 is applied for the late submission; comply with other renewal conditions.

At the time of renewal, the claim holder may apply any assessment work credits from another one of his claims towards the renewal of the claim in question. The center of the claim under renewal must lie within a radius of 4.5 km from the centre of the claim from which the credits will be used.

Each claim provides access rights to a parcel of land on which exploration work may be performed. However, the claim holder cannot access land that has been granted, alienated or leased by the State for non-mining purposes, or land that is the subject of an exclusive lease to mine surface mineral substances, without first having obtained the permission of the current holder of these rights.

Furthermore, at the time of issuing claims that lie within the boundaries of a town or on territories identified as State reserves, the “Ministère des Ressources Naturelles et de la Faune” may impose certain conditions and obligations concerning the work to be performed on the claim. The Ministry also reserves the right to modify these conditions in the public’s interest.

4.2 ENVIRONMENTAL OBLIGATION, PERMITS AND OTHER RELEVANT FACTORS

There are no known environmental concerns or land claim issues pending with respect to the Property. It is understood and agreed that the Property was received by Val-d’Or Mining. “as is” and that Val-d’Or Mining shall ensure that all exploration programs on the Property are conducted in an environmentally sound manner.

The authors are unaware of any environmental liabilities associated with the claims of the Property. However, the authors have not conducted a thorough inspection of these claims. The exploration activities were planned to have a minimum impact on the environment.

Val-d’Or Mining has the duty to obtain all authorizations and/or permits from competent authorities such as the “Ministère de l’Énergie et des Ressources Naturelles du Québec (MERN)”, from the “Ministère de l’Environnement et de la Lutte Contre les Changements Climatiques (MELCC)”, municipality or landowner when applicable.

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURES AND PHYSIOGRAPHY

The Lac Lemoyne Property is located in Abitibi-Témiscamingue region west of the city of Val-d'Or close to the Thompson River and Lac Lemoine. It is easily accessible from National Road 117 and via the 'Chemin des Explorateurs' followed by the 'Chemin de la Baie de la Paix' which crosses the property from northwest to southeast. The forest covers most of the property and many principal residences were built, over the years, on the shore of the Thompson River and Lake Lemoine. Few trails crisscross the Property. Agnico-Eagle's Goldex mine is located less than 2 kilometres north near the Thompson Bridge. The center of the Property is located at 284,900E and 5,328,200N in NAD 1983 UTM Zone 18N coordinate system (Universal Transverse Mercator Projection) (Table 2 and Figure 3).

Gateway to the Abitibi-Témiscamingue region, Val-d'Or has a population of some 33,000 inhabitants who benefit from an economy based on natural resources (mining and forestry), services and the desert of Northern Quebec.

The Abitibi region has a well experienced manpower available for the mining industry and mineral exploration as well as having service companies and the city of Val-d’Or is an important mining center located near Lac Lemoyne Property. The infrastructures specific to

large communities are present in Val-d'Or (industrial park, tertiary sector, shopping malls, banks, schools, university, entertainment center etc.).

The topographic relief in the Property is relatively flat with an altitude varying from 320 to 300 metres above sea level with a east-west slight slope towards the lake. The area is mainly covered by forest comprising the following species: black spruce, poplar, poplar aspen, birch, larch and rarely pine trees. No wetlands are present on the Property.

The climate of the area is continental subarctic sub-humid (Robitaille and Saucier 1998). Winters are generally long and cold, and summers hot, dry and short. The hottest month is July (17.4ºC) and the coldest month is January (-17.2ºC) (Government of Canada 2017). Annually, the temperature is above the freezing point approximately 162 days. Total annual precipitation is 929 mm, of which 73% is rain and 27% is snow. In summer, the direction of predominant winds is south-southwest and from the northwest in the winter time bringing dry air.

6.0 HISTORY (Item 6)

Table 3 herebelow, summarises the main exploration work carried out over the years on and nearby of the Lac Lemoyne Property.

Table 3 – Historical Exploration Work carried out on and in the vicinity of the Lac Lemoyne Property

Date	Company	Project	Work completed	Results/ Comments	Reference
2013	Golden Valley Mines Limited	Lac Lemoyne	Diamond drilling program.	Drill holes: GLL-07-01 to GLL-07-04	GM 67511
2005	Golden Valley Mines Limited	Lac Lemoyne	Magnetometric & resistivity / induced polarization surveys.	Eight (8) significant IP anomalies had been recognized in resistive zones favourable to gold discovery.	GM 61944
2003	McWatters Mines Inc.	Bigué	Stripping outcrop, mapping, sampling and drilling.	No significant results were obtained.	GM 60449
1987	Noranda Explorations Limited	Goldstack Option	Reverse circulation drilling program	25 holes for a total of 646 metres. Most significant values revealed in a quartz-carbonate vein in sheared diorite horizons north of the Cadillac Break.	GM 45675
1985	Farrell Claims	Dubuisson Township	Technical evaluation report	Central part of Dubuisson Township. More exploration work will be necessary to better assess the potential of the property.	GM 44311
1980	Tagamin Mines Limited	Dubuisson Township	Ground very low frequency (VLF) Survey	The survey outlined several north-west trending conductors that parallel the Cadillac Break	GM 36540
1980	Goldstack Resources Limited	Goldstack	Property evaluation	Property evaluation and recommendations for future exploration work (line cutting, geophysics and diamond drilling).	GM 59509
1979	Quebec Natural Resources Ministry / Quebec Explorers Corporation Limited	Dubuisson Township	Property evaluation	Preliminary resource calculation: 795,000 to 935,000 metric tonnes @ 3.77 to 4.8 g/t Au (non NI 43-101 compliant).	GM 34937
1975	Quebec Explorers Corporation Limited	Dubuisson Township	Report on Indicated tonnage and Grade Reserves	Resource Calculation.	GM 31526
1974	Quebec Explorers Corporation Limited	Dubuisson Township	Diamond drill hole logs	Drill holes: 73-P-1 @ 73-P-7, 73-17 @ 73-20, 74-1 @ 74-20	GM 30209

Date	Company	Project	Work completed	Results/ Comments	Reference
1973	Quebec Explorers Corporation Limited	Dubuisson Township	Diamond drill hole logs	Drill holes: 73-01 @ 73-20	GM 29063
1972	Quebec Explorers Corporation Limited	Dubuisson Township	Ground magnetometer survey	Survey carried out north and south of the Piché river.	GM 28559
1967	Quebec Explorers Corporation Limited	Dubuisson Township	Report on properties	Summary of works carried out in the past in the property in Dubuisson Township.	GM 21020
1966	Dumont Claims	Dubuisson Township	Ground magnetometer survey	Magnetometer survey surface plan, 1" = 200'.	GM 17781
1966	Amerel Mining Corporation Limited	Dubuisson Township	Sketch	Claim sketch with trenching and stripping location.	GM 18711
1965	Quebec Explorers Corporation Limited	Dubuisson Township	Magnetic survey and diamond drilling program	Seven drill holes totaling 1,151 metres : 65-1 @ 65-7.	GM 16251
1964	Amerel Mining Corporation Limited	Dubuisson Township	Magnetometer survey	Summary report with recommendations.	GM 14705
1964	Quebec Explorers Corporation Limited	Dubuisson Township	Property description	Further exploration works are required.	GM 16253
1963	Quebec Explorers Corporation Limited	Dubuisson Township	Summary report	Geological and structural characteristics of the property.	GM 13134
1958	D'Aragon & Smith Claims	D'Aragon-Smith	Work report	Geological description and previous work carried out.	GM 58136
1942	Energy, Mines & Resources Canada	Dubuisson Township	Plans	Two (2) plans of part of Dubuisson Township, north and south portions.	GM 08166
1938	McHarold Neas Claims	Dubuisson Township	Descriptive summary of the property	South part of Dubuisson Township.	GM 08132
1937	Shawmaque Gold Mines Limited	Dubuisson Township	Geological work report	Summary of work completed.	GM 08117
1937	Shawmaque Gold Mines Limited	Dubuisson Township	One page summary report	Summary of work completed.	GM 08118

7.0 GEOLOGICAL SETTING (Item 7)

7.1 Abitibi Greenstone Belt

The Property is located in the southern Superior Province of the Canadian Shield which forms the core of the North East American continent (Figure 4). The Property lies in the Southern Volcanic Zone in the southeastern part of the Archean Abitibi Greenstone Belt ("AGB").

The 'AGB' comprises east-trending synclines containing volcanic rocks and intervening domes cored by synvolcanic and/or syntectonic plutonic rocks (gabbro-diorite, tonalite and granite), separated by east-trending turbiditic wacke bands (MERQ-OGS, 1984; Ayer et al., 2002a; Daigneault et al., 2004; Goutier and Melançon, 2007). The volcanic and sedimentary strata usually dip vertically and are separated by abrupt, variably dipping east-trending faults. Some of these faults, such as the Porcupine-Destor Fault, display evidence of overprinting deformation events, including early thrusting and later strike-slip and extension events (Goutier, 1997; Benn and Peschler, 2005; Bateman et al., 2008). Two ages of unconformable successor basins are observed: widely distributed fine-grained clastic rocks in early Porcupine-style basins, followed by Timiskaming-style basins composed of coarser clastic sediments and minor volcanic rocks, largely proximal to major strike-slip faults such as the Porcupine-Destor and Larder Lake–Cadillac fault zones and other similar regional faults in the northern Abitibi Greenstone Belt (Ayer et al., 2002a; Goutier and Melançon, 2007). The Abitibi Greenstone Belt is intruded by numerous late-tectonic plutons composed mainly of syenite, gabbro and granite, with lesser lamprophyre and carbonatite dykes. Commonly, the metamorphic grade in the Abitibi Greenstone Belt varies from greenschist to subgreenschist facies (Jolly, 1978; Powell et al., 1993; Dimroth et al., 1983b; Benn et al., 1994), except in the vicinity of most plutons where the metamorphic grade corresponds mainly to the amphibolite facies (Jolly, 1978).

The 'AGB' successor basins are of two types: 1) laterally extensive basins corresponding to the Porcupine Assemblage, with early turbidite-dominated units (Ayer et al., 2002a); and 2) later and aerially more restricted alluvial-fluvial or Timiskaming-style basins (Thurston and Chivers, 1990).

The geographic limit between the northern and southern parts of the AGB has no tectonic significance but is similar to the limits between the internal and external zones of Dimroth et al. (1982) and those between the Central Granite-Gneiss and Southern Volcanic zones of Ludden et al. (1986). The boundary between the Northern and Southern parts passes south of the wackes of the Chicobi and Scapa groups, with a maximum depositional age of 2698.8 ± 2.4 Ma (Ayer et al., 1998, 2002b).

The Abitibi Subprovince is bounded to the south by the Larder Lake–Cadillac Fault Zone, a major crustal structure that separates the Abitibi and Pontiac Subprovinces (Chown et al., 1992; Mueller et al., 1996a; Daigneault et al., 2002, Thurston et al., 2008).

The Abitibi Subprovince is bounded to the north by the Opatica Subprovince, a plutonic-gneiss complex belt formed between 2800 and 2702 Ma (Sawyer and Benn, 1993; Davis et al. 1995). It is mainly composed of strongly deformed and locally migmatized tonalitic gneisses and granitoid rocks (Davis et al., 1995).

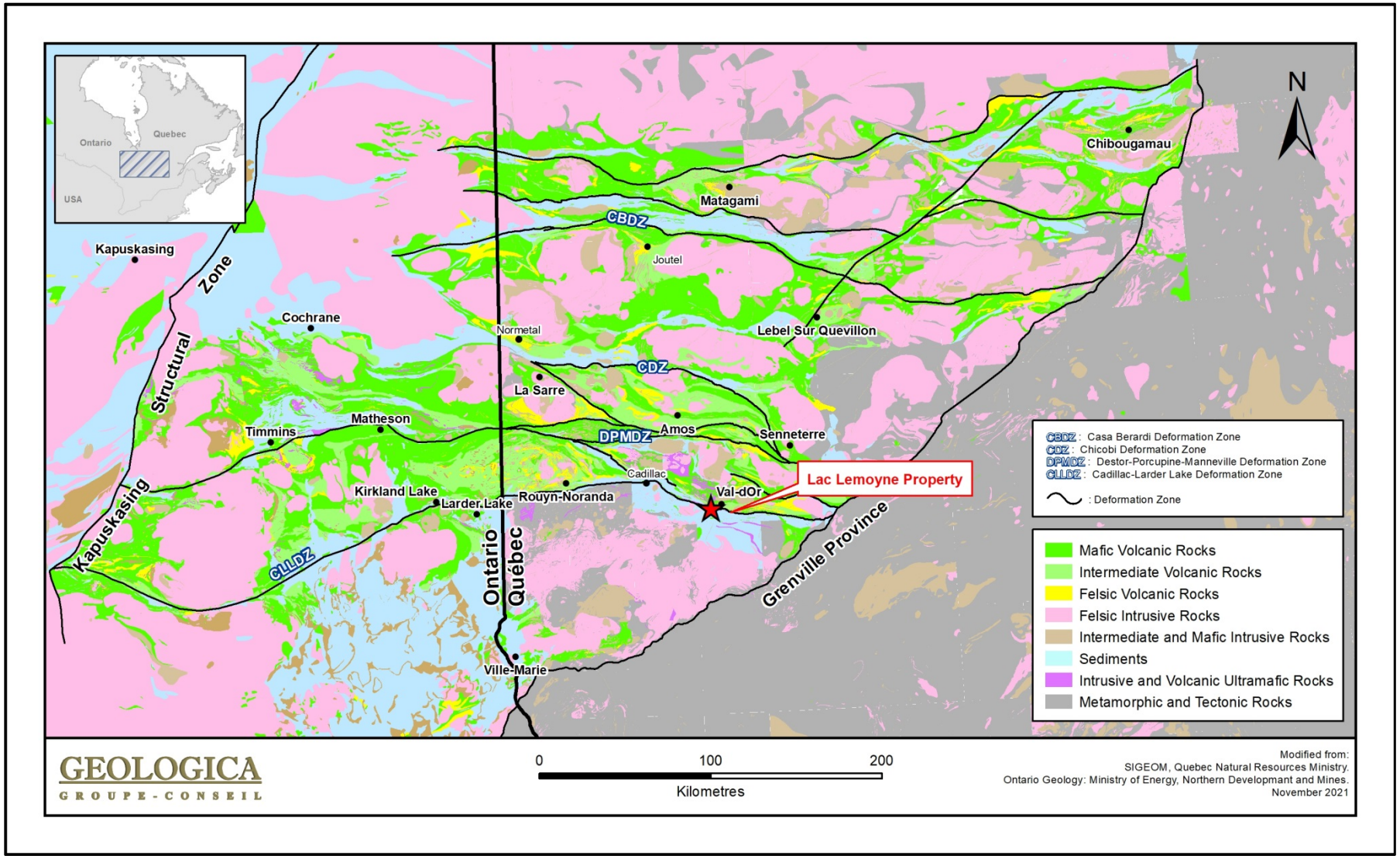


Figure 4 – Map of Abitibi Greenstone Belt

7.2 Regional Geology

The geology of the Val-d'Or – Malartic area was previously described by Latulippe (1976), Imreh (1984), and by Rocheleau et al. (1987). The stratigraphic scheme from these authors was subdivided into two principal groups: the Lower Malartic Group (containing the La Motte-Vassan, Jacola, and Dubuisson Formations) located in the northern portion, and the Upper Malartic Group (containing the Val-d'Or and Heva Formations) located in the southern portion of the region (Figure 5).

Volcano-sedimentary units of the Malartic Group are found to the south and those of the Garden Island Formation to the north, associated with the breaks. South of the Malartic Group, the Piché Group forms tectonic slices along the Larder Lake-Cadillac Tectonic Zone. The Piché Group is defined by talc-chlorite and locally carbonate schists, for which the protolith corresponds to magnesian basaltic to komatiitic flows, with local olivine cumulate or spinifex textures and highly altered to tremolite and carbonate.

Recent work by the MERN (MB 98-01, DV 99-03) and a Ph.D. thesis by Russell Scott (2005) have led to an updated subdivision of the local stratigraphy. The Malartic Block is subdivided into two (2) stratigraphic groups based on regional tectonics and volcano-sedimentary stratigraphy, namely the Malartic Group (Lower from historical division) and the Louvicourt Group (Upper from historical division). The Malartic Group, at the base, corresponds to an Archean ocean platform in an extensional regime associated with mantle plume volcanism (Scott, 2005). It consists of komatiitic and tholeiitic lavas, basaltic effusive rocks, sills and dykes. It is divided into three (3) Formations, namely La Motte-Vassan, Dubuisson and Jacola. The overlying Louvicourt Group represents a change in tectonic regime, a shift from a divergent zone to a convergent (subduction) zone, with the formation of an arc complex. This group may reach 7.5 km thick, and the units trend east-west with a steep dip. The group is subdivided into two (2) Formations, namely the Val-d'Or (3.5-5.5 km) and the Heva (1.5-2 km).

The Dubuisson Formation, composed of tholeiitic and komatiitic lavas, is represented by a series of sequential suites of flows, mainly basaltic with ultramafic komatiites, magnesian basalts and picritic flows. The Jacola Formation is a deep-water subaqueous plain composed of tholeiitic lavas with komatiites and magnesian basalts. The transition between the Jacola Formation, composed of mafic to ultramafic rocks, and the Val-d'Or Formation, composed of intermediate to felsic rocks, is gradual. The transition zone is characterized by the appearance of very thick volcaniclastic deposits of tholeiitic affinity. The Property straddles rocks of the Dubuisson Formation to the north and rocks of the Jacola Formation to the south.

There is an intimate relationship between the Jacola, Val-d'Or and Heva Formations which illustrates the evolving tectonic regime. The Jacola Formation occurs at the base of the sequence, a deep marine environment in an extensional regime (mid-ocean ridge) controlled by mantle plume volcanism. There is some overlap between the onset of arc construction (Val-d'Or Formation) and the waning stages of plume volcanism (Jacola Formation). Finally,

lavas associated with arc volcanism were buried by abundant lavas produced by tectonic rifting (Heva Formation). The Val-d'Or arc is a south-facing monoclinal volcano-sedimentary sequence. Volcanism evolved, initially associated with a mantle plume and eventually shifting to subduction-related volcanism.

The Val-d'Or Formation is a subaqueous volcano-sedimentary arc comprising several sequences of intermediate to felsic lavas. The latter are discontinuous interstratified, and show a progression from tholeiitic to calc-alkaline affinities. These sequences consist of massive, pillowed, brecciated and occasionally vesicular lava flows. The Heva Formation is characterized by a return to an extensional regime. It is composed of bimodal effusive volcanic rocks with local volcaniclastic deposits. It includes iron-rich tholeiitic basalts and differentiated synmagmatic sills. Mafic units are intercalated with thin intermediate to felsic pyroclastic units and chert horizons as well as bedded volcaniclastic sediments. A distinct marker horizon at the contact between the Val-d'Or and Heva formations, traced over 30 km, consists of dark grey, magnetic, spherulitic felsic lavas of tholeiitic affinity. Above this marker horizon lies a polymict brecciated tuff unit with mafic and felsic clasts. Toward the top of the formation, massive to pillowed mafic lavas occur, with gabbro sills and dykes. Volcanic and sedimentary units of the Cadillac, Trivio and Piché Groups are structurally imbricated with the Heva Formation and occur at the southern end of the Malartic Block.

Several large granitoid intrusions have been emplaced into the local stratigraphy. The Bourlamaque Batholith is a synvolcanic granitoid intrusion (2700 ± 1 Ma) interpreted as the source of volcanism for the Val-d'Or Formation. Compositionally described as quartz diorite to granodiorite with a transitional affinity, it lies west of the Property. The Bourlamaque Batholith hosts several gold deposits including the Beaufor and Lac Herbin mines and several past producers (Ferderber/Belmoral, Dumont, Dorval and Courvan). The Bevcon pluton, similar to the Bourlamaque Batholith but more differentiated with a tonalitic composition and a transitional affinity, was introduced higher up in the stratigraphy. Finally, the alkaline monzonitic East Sullivan stock (Central Post) was emplaced late (2684 ± 1 Ma), post-deformation (Taner, 1996). In the area, numerous alkaline granodioritic to tonalitic intrusives are also present, as well as subconformable to unconformable subvolcanic to post-kinematic sills, and a suite of pre- to late-tectonic quartz-feldspar porphyry dykes.

The Upper and Lower Malartic Groups or the Malartic and Louvicourt Groups have an overall eastwest strike and dip steeply to the north. The sequence becomes younger in age to the south. Recent geological work where interference fold patterns are observed, demonstrates that at least two phases of ductile deformation have affected the supracrustal rocks in the Val-d'Or area. The first episode involved folding about north-south oriented fold axis. The second episode re-folded the sequence about east-west trending fold axis and was the dominant folding event. The main D2 deformation event is characterized by a penetrative east-west schistosity steeply dipping to the north and by anastomosing shear zones (Desrochers and Hubert, 1996). Variably plunging east-west F2 folds are recognized and locally produced reversals of younging directions. A late D3 event is outlined by a set of NNW- and NE-trending brittle faults.

The metamorphic grade of the Malartic Group volcanic stratigraphy is middle greenschist facies, as indicated by a chlorite-epidote-carbonate mineral assemblage in mafic rocks. The

regional metamorphic grade increases towards the south to upper greenschist facies in the vicinity of the Larder Lake-Cadillac Tectonic Zone, and to amphibolite facies further south.

The Val-d'Or - Malartic mining camp is well known for its lode gold deposits and copper, zinc, silver and gold volcanogenic (VMS) deposits. The Property area is no exception. Within the mining camp, a total of approximately thirty-seven (37) mines have produced more than 25 million ounces of gold from 140 million tonnes milled. The data cannot be compiled in detail because several of the mines operated under different names at different times, and in some cases, two or more mines were incorporated into a single operation. Also, copper and zinc were produced from five (5) base-metal mines.

7.2 Local Geology and Mineralization

The Property is located within the Pontiac Group (PO), 5 km south of the Cadillac Fault. Outcrops are very rare on the Property. The stratigraphy is interpreted through diamond drill holes and geophysical surveys (Figure 6).

The PO covers the area to the south of the Cadillac Tectonic Zone (CTZ). It is lithologically homogeneous in this region and dominated by sandstones (60%) and shales (40%). Small mafic tuff bands occur locally but constitute less than 1% of the rock sequence. In outcrop, the rocks of the PO exhibit a pale brown color for the sandstone and darker brown for the mudstone. Tuffs stand out from other lithologies by their greenish color and porous appearance.

The level of deformation is variable. South of the CTZ, bedding and primary textures are commonly preserved. Elsewhere in the more deformed sectors, these sedimentary rocks show a tectonic banding that is superimposed on the original stratigraphic layering.

The Property contains no known showings. However, four (4) diamond drillholes (GLL-07-01 to GLL-07-04) completed by Golden Valley Mines in 2007 intersected a graphitic argillite unit with tr-2% fine disseminated pyrite and pyrrhotite. Some smokey quartz and carbonate veins and veinlets were also intersected during this program within the Pontiac greywacke unit. Best values obtained were: 166 ppm Cu and 536 ppm Zn over 1.02 m (GLL-07-01) and 241.2 ppm Cu over 2.1 m (GLL-07-03).

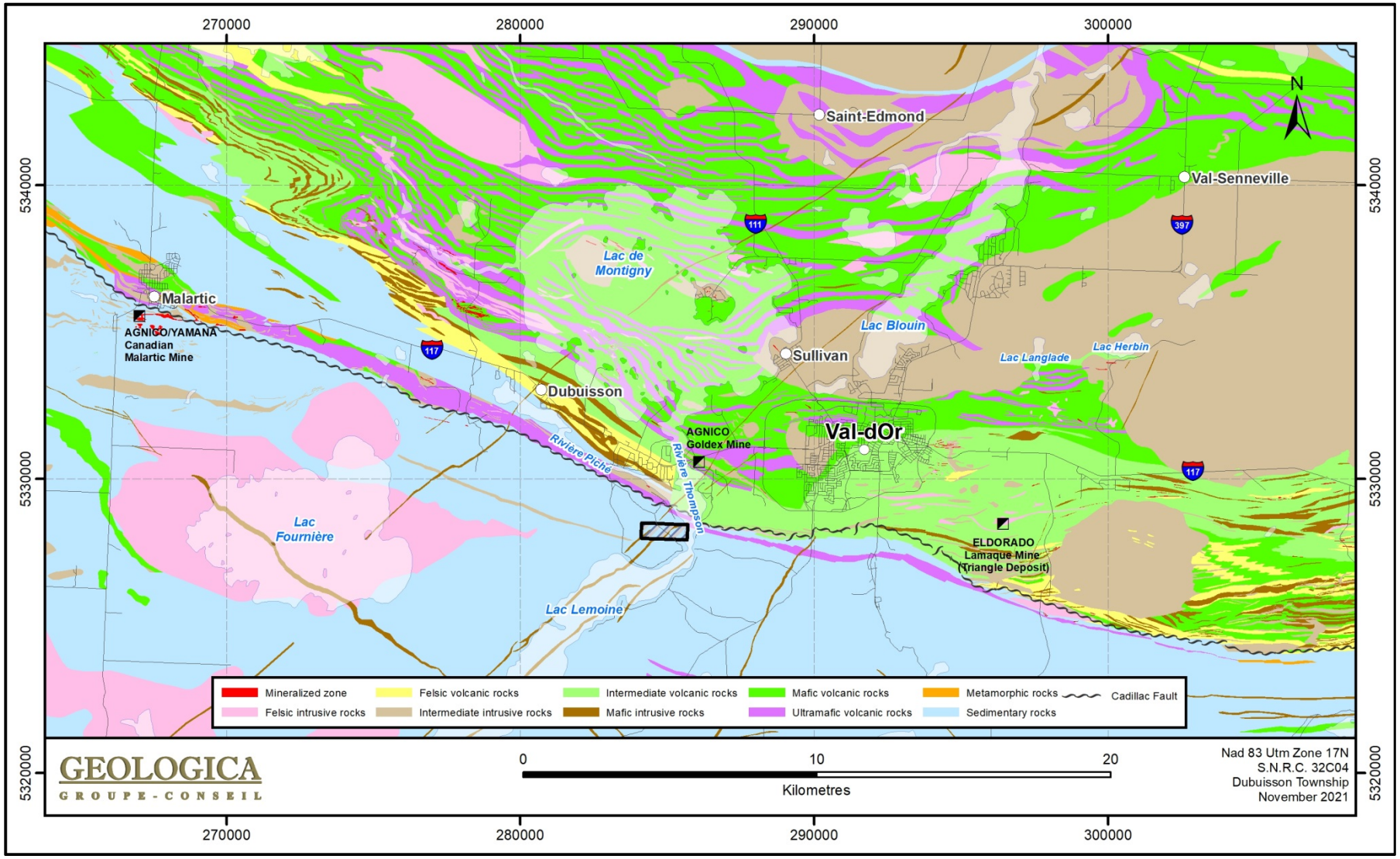


Figure 5 – Regional Geology

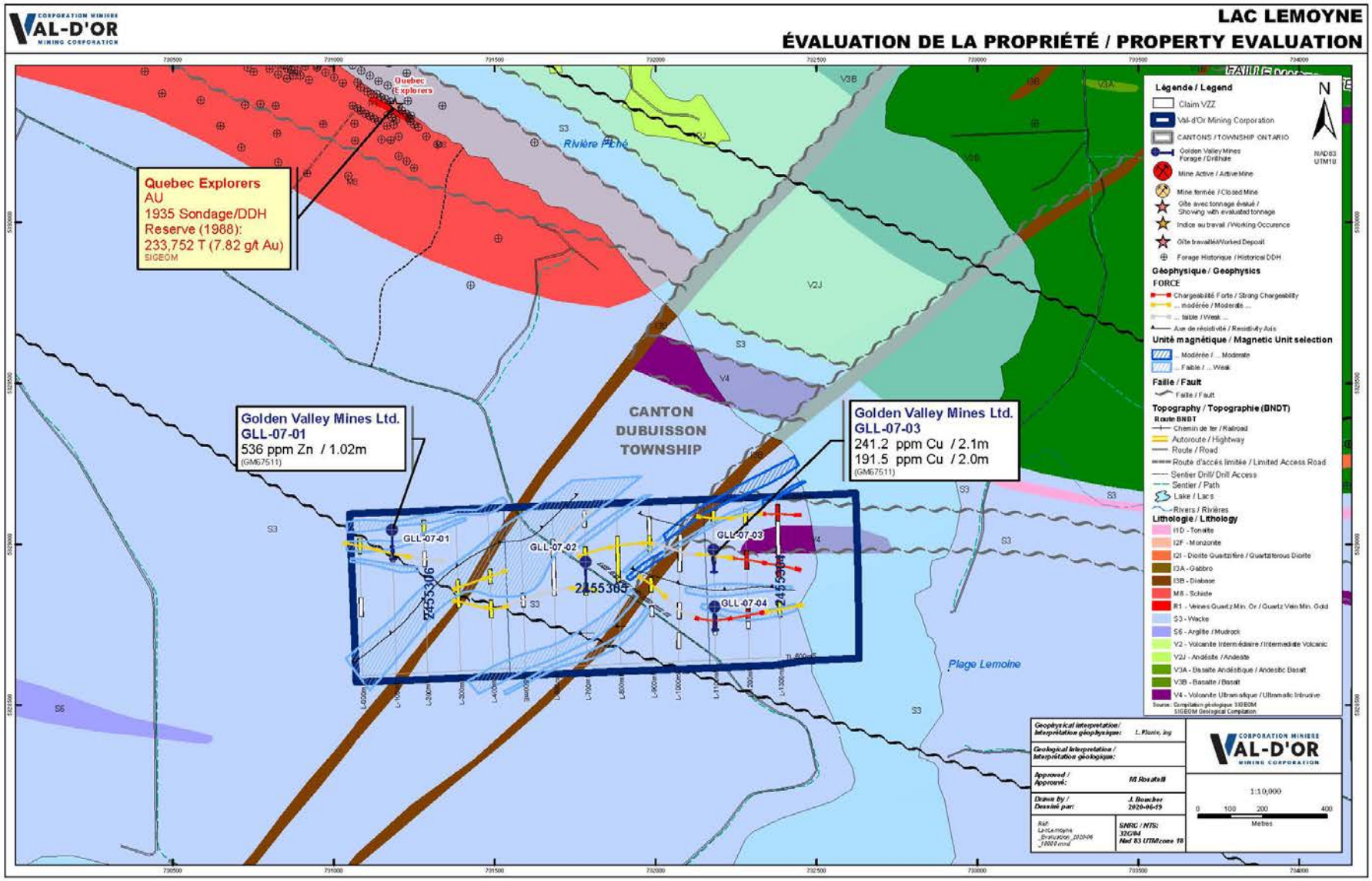


Figure 6 – Local Geology and mineralization

8.0 DEPOSIT TYPE (Item 8)

The Property lies within the Val-d'Or mining camp which is well known for its lode gold deposits. To date, this mining camp has produced approximately 25 million ounces of gold from thirty-six (36) mines with production primarily from underground mines. The data cannot be compiled in detail because several of the mines operated under different names at different times, and in some cases, two or more mines were incorporated into a single operation. The major gold deposits in the vinicity of the property are the former Sigma-Lamaque complex which produced 9 M ounces of gold, the Beaufor Mine with more than 1 M ounces produced (Monarques Gold Corp, formerly Richmont Mine), the QMX Lac Herbin Mine, the Agnico Eagle Goldex mine, Eldorado Gold at its Triangle Deposit and the Canadian Malartic Mine (the largest gold openpit deposit in Canada).

Gold mineralization from the Val-d'Or mining camp has been classified as greenstone-hosted quartz-carbonate vein deposits or mesothermal or late-orogenic lode-gold deposits associated with shear zones or extensional fractures (Figure 7). The mineralization is associated with regional features, e.g. the Cadillac-Larder Lake Tectonic Zone, regional drag folds, and structural splays, as well as with syn- to late-tectonic intrusive rocks. With the exception of deposits within the large Bourlamaque Batholith, gold mineralization is commonly associated with small intrusives and dykes aged 2694 ± 2 Ma to 2680 ± 4 Ma. The different styles of mineralization range from disseminated sulphide deposits to quartz-tourmaline gold-bearing veins and vein stockwork zones, and the deposits range from early to late tectonic.

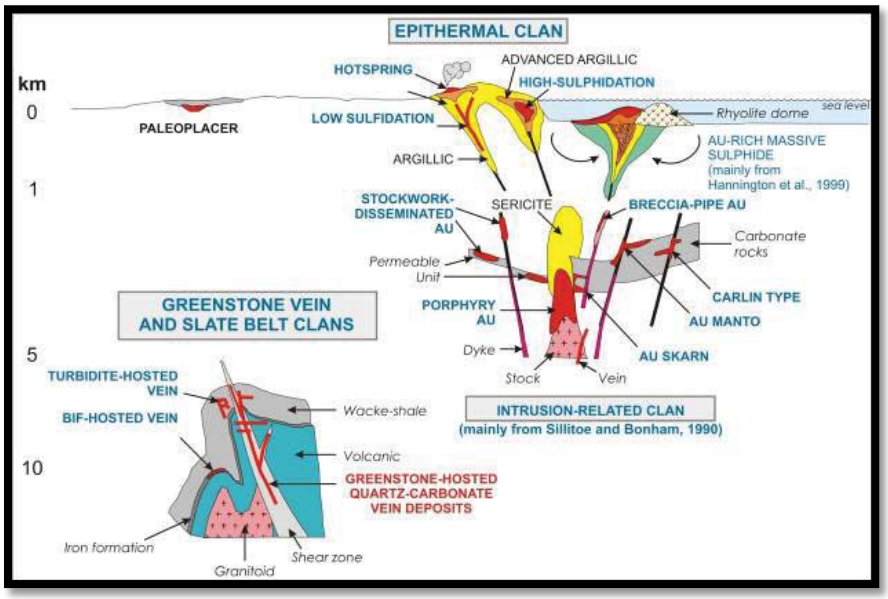


Figure 7 – Schematic Illustration of Different Settings for Mesothermal Gold Deposits

Generally, lode-gold deposits (gold from bedrock sources) occur dominantly in terranes with an abundance of volcanic and clastic sedimentary rocks of a low to medium metamorphic grade (Poulsen, 1996). Greenstone-hosted quartz-carbonate vein deposits are a subtype of lode-gold deposits (Poulsen et al., 2000). They correspond to structurally controlled, complex epigenetic deposits hosted in deformed metamorphosed terranes (Dubé and Gosselin, 2007).

Greenstone-hosted quartz-carbonate vein deposits consist of simple to complex networks of goldbearing, laminated quartz-carbonate fault-fill veins in moderately to steeply dipping, compressional brittle-ductile shear zones and faults with locally associated shallow-dipping extensional veins and hydrothermal breccias. They are hosted by greenschist to locally amphibolite facies metamorphic rocks of dominantly mafic composition and formed at intermediate depth in the crust (5-10 km). They are distributed along major compressional to trans-tensional crustal-scale fault zones (Figure 8) in deformed greenstone terranes of all ages, but are more abundant and significant, in terms of total gold content, in Archean terranes. Greenstone-hosted quartz-carbonate veins are thought to represent a major component of the greenstone deposit clan (Dubé and Gosselin, 2007). They can coexist regionally with iron formation-hosted vein and disseminated deposits, as well as with turbidite-hosted quartz-carbonate vein deposits.

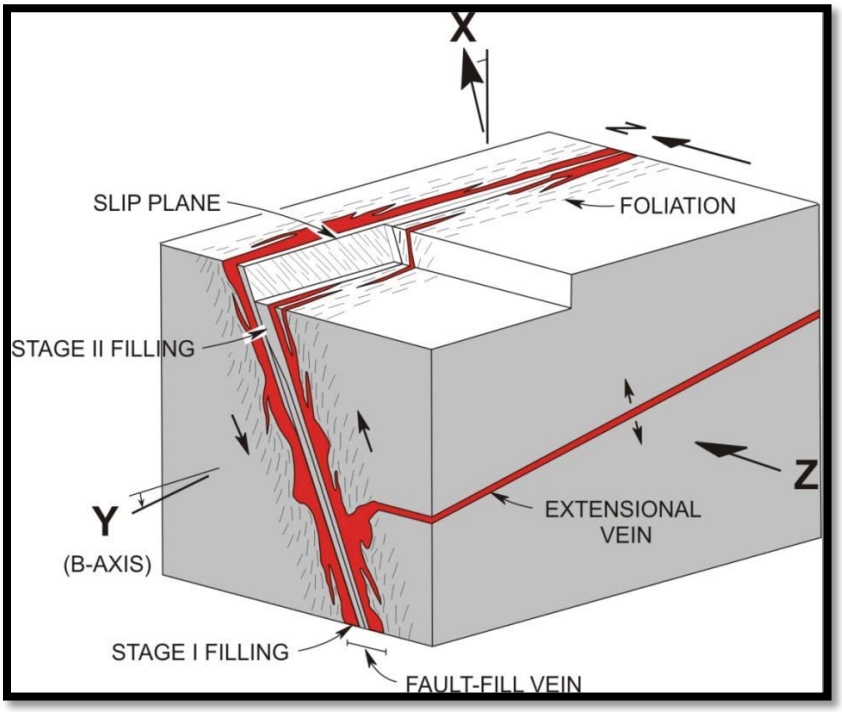


Figure 8 – Schematic Diagram

Geometric Relationships between the Structural Elements of Veins and Shear Zones and the Deposit-Scale Strain Axes
(Robert, 1990)

9.0 EXPLORATION WORK

On September 29, 2021, a field crew of two (2) prospectors from Geologica carried out geochemical and soil sampling and prospecting survey on the Lac Lemoyne Property. A total of twenty (20) biogeochemistry (mostly black spruce twiggs) and fifteen (15) soil (B-Horizon) samples were collected. Some values up to 2 ppb Au were obtained in the biogeochemical and soil samples.

Figure 9 and Table 4 respectively shows the location and descriptions of these samples. (Complete Laboratory assay results table is available in Appendix II).

Table 4 – List of biogeochemical samples collected on the Lac Lemoyne Property

	Sample	Type	Easting	Northing	Description	Au (ppb)	Ag (ppb)	Cu (ppb)	Zn (ppb)	Date
1	718221	Biogeochemistry	284619	5328466	Spruce, 2 cm diam.	0.7	48	6740	47600	29 septembre 2021
2	718222	Biogeochemistry	284692	5328476	Black spruce, 1 cm diam.	0.4	22	4470	67200	29 septembre 2021
3	718223	Biogeochemistry	284645	5328407	Spruce, 2 cm diam.	0.5	15	4400	52300	29 septembre 2021
4	718224	Biogeochemistry	284732	5328433	Spruce, 5 cm diam.	0.7	20	5070	48100	29 septembre 2021
5	718225	Biogeochemistry	284723	5328331	Balsam fir, 10 cm diam.	0.3	59	5570	47800	29 septembre 2021
6	718226	Biogeochemistry	284793	5328379	Spruce, 2 cm diam.	1.3	20	4580	93700	29 septembre 2021
7	718227	Biogeochemistry	284818	5328261	Spruce, 2 cm diam.	1	14	4990	49000	29 septembre 2021
8	718228	Biogeochemistry	284872	5328322	Spruce, 6 cm diam.	1	34	4380	73300	29 septembre 2021
9	718229	Biogeochemistry	284892	5328216	Spruce, 2 cm diam.	0.7	100	4600	71100	29 septembre 2021
10	718230	Biogeochemistry	284934	5328254	Spruce, 3 cm diam.	1	77	6540	76600	29 septembre 2021
11	718231	Biogeochemistry	285324	5327973	Balsam fir, 10 cm diam.	0.5	21	3910	60300	29 septembre 2021
12	718232	Biogeochemistry	285399	5327974	Balsam fir, 20 cm diam.	0.2	9	4080	60300	29 septembre 2021
13	718233	Biogeochemistry	285483	5327974	Balsam fir, 3 cm diam.	1.3	20	3800	54300	29 septembre 2021
14	718234	Biogeochemistry	285394	5328022	Spruce, 75 cm diam.	1.4	7	2980	106000	29 septembre 2021
15	718235	Biogeochemistry	285322	5328030	Spruce, 65 cm diam.	0.7	7	3940	71600	29 septembre 2021
16	718236	Biogeochemistry	285263	5327987	Balsam fir, 20 cm diam.	2.6	13	4200	88700	29 septembre 2021
17	718237	Biogeochemistry	284176	5328102	Spruce, 15 cm diam.	1	25	4220	58500	29 septembre 2021
18	718238	Biogeochemistry	284235	5328095	Black spruce, 2 cm diam.	1	36	3600	71700	29 septembre 2021
19	718239	Biogeochemistry	285146	5328100	Balsam fir, 15 cm diam.	1	17	5380	70600	29 septembre 2021
20	718240	Biogeochemistry	285088	5328020	Balsam fir, 10 cm diam.	0.3	10	4270	73300	29 septembre 2021

Table 5 – List of soil (B-Horizon) samples collected on the Lac Lemoyne Property

	Sample	Type	Easting	Northing	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Date
1	657247	Soil	285088	5328020	Very fine and wet brown soil.	2.2	0.2	4.6	19	29 septembre 2021
2	657248	Soil	285146	5328100	Very fine brown soil.	2.7	0.1	7.8	22	29 septembre 2021
3	715728	Soil	284619	5328466	Pale brown soil.	0.7	< 0.1	9.3	16	29 septembre 2021
4	715729	Soil	284692	5328476	Pale brown wet soil, B Horizon.	0.9	< 0.1	9.8	17	29 septembre 2021
5	715730	Soil	284645	5328407	Pale brown soil.	4.2	< 0.1	8.3	14	29 septembre 2021
6	715731	Soil	284723	5328331	Very fine brown-grey soil.	1.6	< 0.1	4.9	11	29 septembre 2021
7	715732	Soil	284732	5328433	Brown soil, B Horizon.	1.1	< 0.1	6.6	14	29 septembre 2021
8	715733	Soil	284872	5328322	Rusty brown soil.	2.2	< 0.1	31.1	48	29 septembre 2021
9	715734	Soil	284934	5328254	Rusty brown soil, Fe Ox.	0.8	< 0.1	21.2	27	29 septembre 2021
10	715735	Soil	285324	5327973	Fine and dry brown soil	1.5	0.1	5	31	29 septembre 2021
11	715736	Soil	285399	5327974	Very fine clayed and silty pale brown soil.	2.2	0.4	10	33	29 septembre 2021
12	715737	Soil	285483	5327974	Brown soil, B Horizon.	0.8	0.1	12.3	28	29 septembre 2021
13	715738	Soil	285394	5328022	Brown soil, B Horizon.	< 0.5	0.2	10.2	35	29 septembre 2021
14	715739	Soil	285322	5328030	Pale brown soil, B Horizon.	0.6	0.3	7.8	32	29 septembre 2021
15	715740	Soil	285263	5327987	Silty brown soil.	3.2	< 0.1	7.6	24	29 septembre 2021

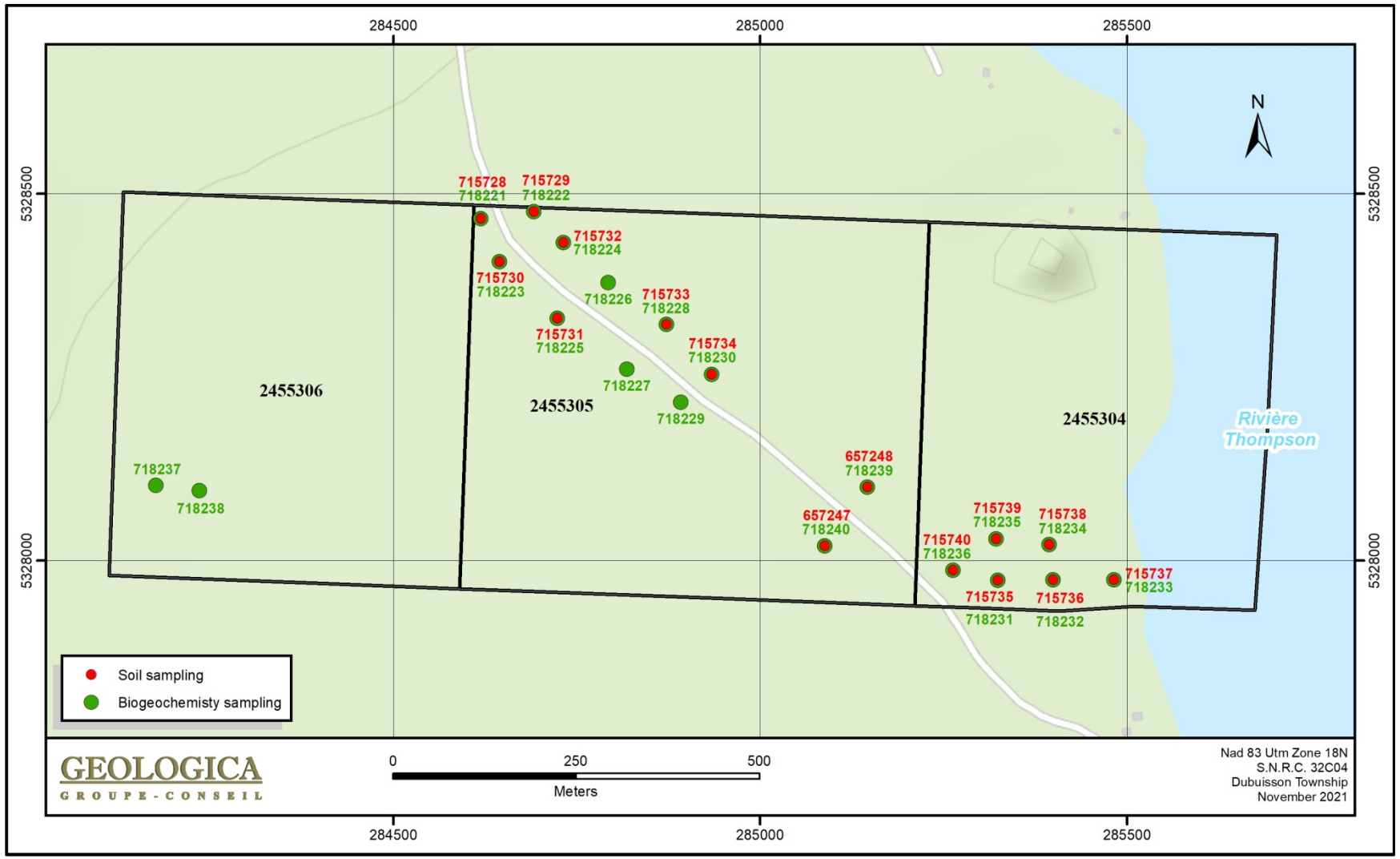


Figure 9 – Samples collected on the Lac Lemoyne Property

10.0 DRILLING (Item 10)

No drilling was completed by Val-d'Or Mining Corporation on the Lac Lemoyne Property in 2021.

11.0 SAMPLE PREPARATION, ANALYSIS AND SECURITY (Item 11)

During the recent soil and geochemical program and prospecting survey, all samples were collected by Geologica and sent to the Activation Laboratories in Ancaster, Ontario for analysis. The sampling protocol was established by Geologica and the method was as follows:

1) Biogeochemical samples of black spruce twigs were collected with a cutter; and the soil samples were taken with an auger;
2) Each sample was bagged in a plastic or paper bag tied with a plastic tie wrap. A sample tag, made of waterproof paper and legible ink, is also placed in the bag with the sample. Sample numbers are unique and entered in the database, a distinct series is used;
3) The bags are sealed with a plastic tie wrap. A lab requisition form is completed with the instructions for assay procedure, samples to be assayed, and form of assay result presentation. The samples were shipped by Purolator to the laboratory and a request assay form was sent to the laboratory by email;
4) Biogeochemical samples (black spruce or fir) were dried and macerated (process B2), dissolved in acid and analyzed by ICP-MS for multielements.
5) Soil (B-Horizon) samples were dried (60°C) and sieved (-177 µm). Samples were analyzed for gold and multielements (ICP-MS UT-1M).
6) Internal Laboratory Quality Control Procedures – Lab standard operating procedures require the analysis of quality control samples (reference materials, duplicates and blanks) with all sample batches. As part of the assessment of every data set, results from the control samples are evaluated to ensure they meet set standards determined by the precision and accuracy requirements of the method.

12.0 DATA VERIFICATION

The authors have consulted and verified data of previous exploration reports. Although the techniques were not necessarly described in these reports, data reported in assessment files, sampling and analysis appears to have been conducted with the norms and standards employed at that period and which can still be valid to this day.

13.0 MINERAL PROCESSING AND METALLURGICAL TESTING

No mineral processing and metallurgical testing has been completed on the Lac Lemoyne Property.

14.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

No mineral resource and mineral reserve estimates has been completed on the Lac Lemoyne Property.

15.0 ADJACENT PROPERTIES

The source of information for the adjacent properties comes from the Quebec Ministry of Energy and Natural Resources 'Gestim' website (https://gestim.mines.gouv.qc.ca) and the website companies.

Advantageously located in the Cadillac Fault Coridor, the Lac Lemoyne Property is also located in the axis of current producer Goldex Mine, Lamaque Mine (Triangle deposit) as well as the, much further west, Canadian Malartic Mine.

The Goldex Mine, which is located less than two kilometres to the north, is part of the chain of operations and properties that Agnico Eagle owns in the Abitibi region. Underground mining from the 'M' and 'E' satellite zones and processing in the mill started in September 2013. Commercial production was achieved in October 2013. The Deep 1 project declared commercial production in July 2017 and is expected to extend the Goldex mine life through 2030 under current mine plans (Agnico-Eagle website).

A little further east of Lac Lemoyne Property is Eldorado Gold's Lamaque operation which consists of the newly-discovered underground Triangle Gold Deposit, located less than 3 kilometres south of the historical world-class Lamaque and Sigma Mines. Current proven and probable gold reserves of 1,086,000 ounces to 6.76 g/t of gold support an 8-year mine life, based on an average production rate of 135,000 ounces per year (Eldorado Gold website).

The Kiena Complex, located north of the Property, has mining and milling infrastructure which include a 900 metre production shaft. From 1981 to 2013, the mine produced 1.75 million ounces of gold from 12.5 million tons at a grade of 4.5 g/t Au. In 2013, operations were suspended due to a combination of the declining gold price and lack of developed reserves. The infrastructure has been preserved on care and maintenance status and the underground workings have never been flooded. Since 2015, Wesdome has been continuously exploring the Kiena deposit and in 2016 discovered the Kiena Deep 'A' Zone, which remains a focus of underground exploration. Since the September 2019 mineral resource update, infill and exploration drilling has continued from the 105 level to test the up and down plunge extension of the Kiena Deep 'A' Zone (Wesdome website).

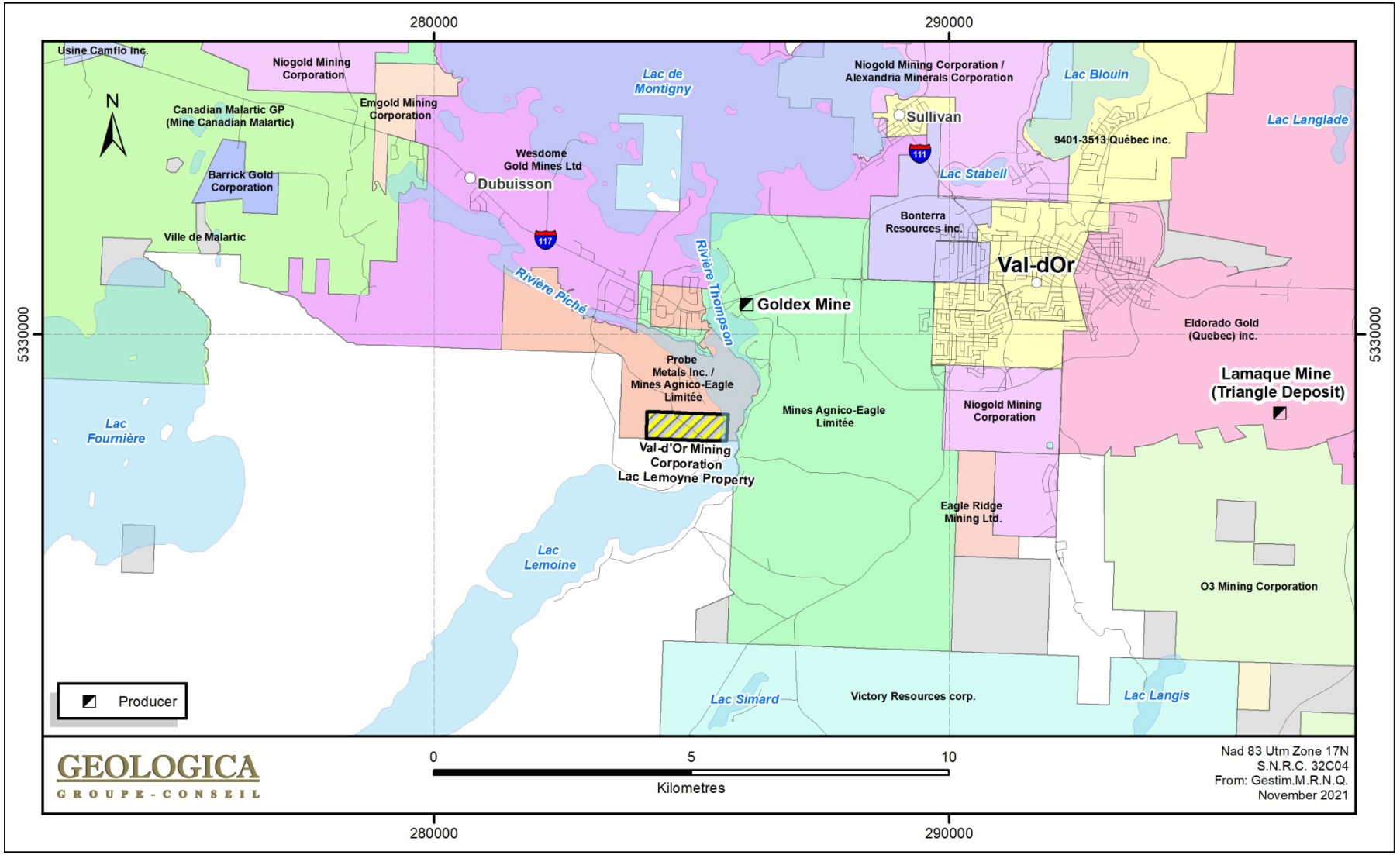


Figure 10 – Adjacent Mining Properties

16.0 OTHER RELEVANT DATA AND INFORMATION

To the best of the authors knowledge, all digital documents, paper documents that were consulted and validated as deemed relevant data were summarized in this report.

17.0 INTERPRETATION AND CONCLUSIONS

The Lac Lemoyne Property is located in the southeast portion of the Archean Abitibi Greenstone Belt within the Superior Canadian Shield. The Property is located within the Pontiac Group (PO) host of the Canadian Malartic World Class Deposit.

The Property is located near of two (2) main mineralized gold deposits: (1) the Goldex Mine, which is located less than two kilometres to the north, is part of the chain of operations and properties that Agnico Eagle owns in the Abitibi region, and (2) the Kiena Complex, located north of the property, is a mining and milling infrastructure which include a 900 metres production shaft and produced 1.75 million ounces of gold from 12.5 million tons at a grade of 4.5 g/t Au (from 1981 to 2013).

The Property warrants a follow-up exploration program due to the presence a significant gold mineralization in proximity, and a favourable geological context for gold and base-metal mineralization by the presence of sulphides within the Pontiac sediments.

18.0 RECOMMENDATIONS

Geologica recommends a follow-up exploration program on the Property, based on a technical evaluation of all previous work filed with the MERN and from the recent fieldwork conducted on the Property in September 2021.

Phase 1: Basic Exploration Work

Complementary of biogeochemical and soil (B-Horizon) sampling	
1 geologist and 1 technician (3 days at $2,000/day)	$ 6,000
Analysis	
60 biogeochemicalsamples at $40/sample	$ 2,400
60 soil (B-Horizon) samples at $80/sample	$ 4,800
Technical Report	$ 6,800
Subtotal:	$ 20,000
Supervision & Administration (≈5%)	$ 1,000
Contingencies (≈10%)	$ 2,000
Total Phase 1:	**$ 23,000**

Phase 2: Diamond Drilling (if warranted from Phase 1)

Diamond Drilling (NQ size) to validate some IP anomalies non-tested in 2007 and tested results obtained in Phase 1:

2,000 m @ 200$/m (all included)	$ 400,000
Supervision & Administration (≈5%)	$ 20,000
Contingencies (±10%)	$ 42,000
Total Phase 2	**$ 462,000**
TOTAL BUDGET PHASES 1 & 2:	**$ 485,000**

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Appendix I – List of Statutory Works

(From de MERN ('SIGEOM'))

GM 67511 ALI, A., 2013. CAMPAGNE DE FORAGES 2007, PROJET LAC LEMOYNE. GOLDEN VALLEY MINES LTD, rapport statutaire soumis au gouvernement du Québec, 97 pages, 1 plan.

GM 61944 RIVEST, H., 2005. LEVES MAGNETOMETRIQUE ET DE RESISTIVITE / POLARISATION PROVOQUEE, RAPPORT D'INTERPRETATION, PROJET LAC LEMOYNE PROSPECT. GOLDEN VALLEY MINES LTD, rapport statutaire soumis au gouvernement du Québec, 25 pages, 21 plans.

GM 60449 BRAULT, J., 2003. RAPPORT SUR LES TRAVAUX D'EXPLORATION, PROJET BIGUE (#602). LES MINES MCWATTERS INC, rapport statutaire soumis au gouvernement du Québec, 96 pages, 6 plans.

GM 45675 SULLIVAN, P., RICHARD, J. A., LANDRY, J., 1987. REVERSE CIRCULATION DRILLING PROGRAM, GOLDSTACK OPTION. EXPLORATIONS NORANDA LTEE, rapport statutaire soumis au gouvernement du Québec, 90 pages, 2 plans.

GM 44311 GARNEAU, A. G., 1985. RAPPORT TECHNIQUE D'EVALUATION DE TERRAIN MINIER. CLAIMS FARRELL, rapport statutaire soumis au gouvernement du Québec, 28 pages.

GM 36540 BERGMANN, H. J., 1980. REPORT ON VLF ELECTROMAGNETIC SURVEY. TAGAMI MINES LTD, rapport statutaire soumis au gouvernement du Québec, 6 pages, 1 plan.

GM 59509 BERGMANN, H. J., 1980. REPORT ON PROPERTY OF GOLD STACK RESOURCES INC. GOLDSTACK RESOURCES LTD, rapport statutaire soumis au gouvernement du Québec, 16 pages.

GM 34937 LATULIPPE, M., 1979. RAPPORT SUR UNE PROPRIETE MINIERE. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 3 pages.

GM 31526 DUMONT, G. H., 1975. REPORT ON INDICATED TONNAGE AND GRADE RESERVES, DUBUISSON TOWNSHIP GOLD PROPERTY. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 114 pages, 5 plans.

GM 30209 DUMONT, G. H., 1974. DIAMOND DRILL HOLES. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 131 pages, 1 plan.

GM 29063 DUMONT, G. H., 1973. DIAMOND DRILL HOLE LOG. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 111 pages, 2 plans.

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GM 21020 D'ARAGON, P., 1967. REPORT ON PROPERTIES. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 7 pages.

GM 17781 DUMONT, G. H., 1966. 1 PLAN OF MAGNETOMETER SURVEY AND OUTLINE OF SURFACE WORK AREA. CLAIMS DUMONT, rapport statutaire soumis au gouvernement du Québec, 1 plan.

GM 18711 AMEREL MINING CO LTD, 1966. CLAIM SKETCH WITH TRENCHING AND STRIPPING LOCATION. rapport statutaire soumis au gouvernement du Québec, 1 page.

GM 16251 DUMONT, G. H., 1965. REPORT ON MAG SURVEY AND DIAMOND DRILLING PROGRAM. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 6 pages.

GM 14705 INGHAM, W. N., 1964. SUMMARY REPORT ON MAGNETOMETER SURVEY. AMEREL MINING CO LTD, rapport statutaire soumis au gouvernement du Québec, 2 pages, 1 plan.

GM 16253 AGAR, D. R., 1964. GEOLOGICAL REPORT AND WORK DONE. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 6 pages.

GM 13134 HONSBERGER, J. C., 1963. NOTES ON THE GEOLOGY-SUMMARY OF GOLD VALUES FROM DDH. QUEBEC EXPLORERS CORP LTD, rapport statutaire soumis au gouvernement du Québec, 9 pages, 1 plan.

GM 58136 INGHAM, W. N., 1958. D'ARAGON-SMITH PROPERTY. CLAIMS SMITH, CLAIMS D'ARAGON, rapport statutaire soumis au gouvernement du Québec, 7 pages.

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GM 08118 DENIS, B. T., 1937. INFORMATION REPORT. SHAWMAQUE GOLD MINES LTD, rapport statutaire soumis au gouvernement du Québec, 1 page.

Appendix II – Laboratory Assay Results

Quality Analysis ... *Innovative Technologies*

Report No.: **A21-18577**
Report Date: **29-Oct-21**
Date Submitted: **04-Oct-21**
Your Reference: **LEMOINE**

A. Geologica Groupe-Conseil Inc.
450, 3e avenue, suite 202, CP 1891
Val-d'Or Quec J9P 6C5
Canada

ATTN: Daniel Gaudreault

CERTIFICATE OF ANALYSIS

35 Vegetation samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
2G	Unashed Vegetation ICP/MS	2021-10-25 12:30:48
UT-1M	QOP Ultratrace-1 (Aqua Regia ICPMS)	2021-10-26 13:00:26

REPORT **A21-18577**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	3	4	10	0.2	1	100	30	2	25	6	15	4	100	0.2	50	0.5	0.4	0.2	3	4	0.4	3	0.4
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
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718221	48	733	130	0.7	8	147000	< 30	15	5860	73	1770	1400	9900	81.9	6740	79.6	41.6	26.1	1410	239	108	14	6.2
718222	22	497	140	0.4	10	155000	< 30	14	8670	76	963	807	8400	43.5	4470	43.4	22.3	15.9	997	179	59.3	11	10.6
718223	15	433	110	0.5	6	76600	< 30	11	7480	54	905	700	7300	51.4	4400	39.8	19.8	14.2	879	159	52.1	6	10.1
718224	20	308	90	0.7	6	142000	< 30	13	7910	66	659	544	5400	64.1	5070	29.4	17.6	10.5	623	107	38.6	6	6.3
718225	59	463	80	0.3	9	93800	< 30	9	6080	195	923	806	7200	49.9	5570	41.8	21.9	15.5	948	183	56.6	9	8.8
718226	20	404	90	1.3	12	79100	< 30	16	7290	1250	591	495	5100	466	4580	28.5	14.3	10.4	600	105	36.5	5	5.4
718227	14	445	100	1.0	10	121000	< 30	12	7320	281	904	1210	8000	101	4990	43.2	21.9	16.2	923	161	53.0	15	8.6
718228	34	452	110	1.0	11	108000	< 30	13	8480	94	924	881	7300	113	4380	47.6	22.4	15.9	863	162	53.0	10	8.3
718229	100	212	70	0.7	13	123000	< 30	11	7180	104	421	541	3400	42.4	4600	21.3	9.4	7.1	466	96	25.1	6	5.4
718230	77	679	170	1.0	10	140000	< 30	16	7550	231	1480	1710	10800	115	6540	68.7	39.3	26.3	1420	265	90.5	17	1.8
718231	21	258	50	0.5	12	145000	< 30	7	8270	413	273	299	3300	92.0	3910	13.7	5.8	4.1	285	60	21.3	< 3	3.6
718232	9	175	40	0.2	9	119000	< 30	7	7910	776	118	159	1300	132	4080	4.5	2.9	2.1	286	34	9.5	< 3	4.7
718233	20	235	40	1.3	8	78400	< 30	4	7650	545	98	220	1000	76.8	3800	5.0	3.4	0.8	132	21	6.1	< 3	0.5
718234	7	82	50	1.4	11	82100	< 30	8	8330	229	105	161	700	84.8	2980	5.2	2.3	1.0	108	22	9.9	5	0.6
718235	7	100	50	0.7	8	55100	< 30	8	5980	96	136	166	900	68.7	3940	6.1	3.4	2.2	122	24	9.7	< 3	1.8
718236	13	195	30	2.6	12	147000	< 30	6	6740	1110	145	196	1200	80.6	4200	5.0	2.6	2.2	150	39	8.8	< 3	1.2
718237	25	52	50	1.0	15	75500	< 30	10	7770	128	104	109	900	95.5	4220	6.0	2.1	2.2	103	19	7.2	< 3	1.5
718238	36	52	40	1.0	19	43800	< 30	11	6050	126	106	88	900	92.2	3600	4.3	2.0	2.2	116	30	7.7	< 3	1.0
718239	17	447	60	1.0	11	136000	< 30	9	7510	741	521	534	4500	146	5380	26.3	13.7	8.2	568	105	39.2	8	6.1
718240	10	343	80	0.3	10	81800	< 30	7	11000	573	505	529	4800	46.6	4270	26.7	13.5	8.0	544	107	33.4	4	6.2

Analyte Symbol	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se
Unit Symbol	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.2	0.2	10	10	10	0.5	2	100	10	5	2	5	50	4	50	0.2	1	0.2	10	0.2	10	100
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
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718221	16	12.9	1.6	3640	860	870	4.8	1270	742000	370	116	108	782	9650	908	920	< 0.2	185	< 0.2	5710	0.3	30	400
718222	16	7.1	0.9	4920	460	590	2.8	1100	310000	390	143	80	452	6610	1160	350	< 0.2	102	0.7	5440	0.3	20	< 100
718223	16	7.2	0.4	4910	440	510	2.5	1020	215000	360	78	71	398	6060	1000	370	< 0.2	97	< 0.2	6510	< 0.2	20	< 100
718224	13	5.6	1.6	4000	310	370	1.8	1000	372000	270	43	54	282	4900	844	680	< 0.2	71	< 0.2	8130	0.3	20	100
718225	18	8.2	0.5	4360	440	760	2.6	1110	360000	310	93	73	426	4880	1030	330	< 0.2	101	0.6	3410	< 0.2	20	< 100
718226	30	4.7	1.2	2790	280	270	1.4	1330	819000	250	22	44	266	4110	847	1220	< 0.2	65	< 0.2	10200	0.2	30	< 100
718227	21	7.5	1.2	3660	420	600	2.4	1050	574000	380	59	80	402	7610	957	620	< 0.2	97	0.3	4280	< 0.2	20	< 100
718228	19	8.5	1.2	3400	450	670	3.3	933	588000	340	48	73	412	6810	766	500	< 0.2	103	< 0.2	7320	0.7	20	< 100
718229	26	3.6	0.9	4560	200	300	0.9	986	670000	180	16	37	199	6230	1090	550	1.4	51	0.6	6060	0.3	20	< 100
718230	14	11.8	2.0	3440	720	1000	4.4	1090	1360000	440	109	108	706	10400	831	560	< 0.2	172	< 0.2	7050	0.4	30	< 100
718231	18	2.4	< 0.2	3840	140	160	1.0	1070	1310000	250	23	22	130	4590	1160	500	0.4	33	0.2	16200	0.2	20	< 100
718232	25	1.2	0.9	3020	60	50	< 0.5	525	1560000	130	11	8	55	2310	883	740	0.4	13	0.2	12400	0.3	20	< 100
718233	28	1.0	0.8	5100	50	40	< 0.5	907	840000	100	10	9	42	2980	1240	420	< 0.2	10	< 0.2	16500	0.6	20	< 100
718234	18	1.0	0.3	4360	50	90	< 0.5	1090	1250000	70	11	7	47	2090	1070	370	< 0.2	13	< 0.2	14200	0.3	10	< 100
718235	13	1.2	0.6	3240	70	80	< 0.5	808	481000	60	12	13	61	1970	823	400	< 0.2	16	< 0.2	9190	< 0.2	20	200
718236	27	1.3	0.6	3790	70	60	0.6	777	1950000	70	15	12	66	1970	1230	550	0.2	18	< 0.2	12200	< 0.2	10	< 100
718237	24	0.7	0.8	2690	50	50	< 0.5	817	923000	60	11	12	52	800	618	550	< 0.2	11	< 0.2	7020	0.4	10	< 100
718238	18	0.8	0.6	3060	50	50	< 0.5	668	1840000	70	12	9	45	590	795	550	0.4	12	0.2	6800	< 0.2	10	< 100
718239	18	4.8	1.1	4360	250	230	2.2	1230	1100000	210	29	47	246	5660	1160	470	< 0.2	61	< 0.2	11200	0.6	20	100
718240	18	4.9	0.7	4220	240	250	1.6	979	508000	240	34	42	239	5740	1170	330	0.3	58	< 0.2	6740	0.6	20	< 100

Analyte Symbol	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	B	Ba
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppb	ppm	ppm
Lower Limit	1	50	40	0.2	0.2	8	2	150	1	0.1	1	10	25	2	0.4	400	20	0.1	0.01	0.5	0.5	20	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
657247																		0.2	1.43	2.0	2.2	< 20	25.5
657248																		0.1	2.22	1.8	2.7	< 20	17.2
715728																		< 0.1	0.80	2.2	0.7	< 20	18.8
715729																		< 0.1	0.72	1.9	0.9	< 20	18.8
715730																		< 0.1	0.70	1.7	4.2	< 20	13.8
715731																		< 0.1	0.77	2.1	1.6	< 20	17.4
715732																		< 0.1	0.74	1.9	1.1	< 20	13.2
715733																		< 0.1	3.83	8.4	2.2	< 20	37.3
715734																		< 0.1	1.51	4.6	0.8	< 20	22.5
715735																		0.1	1.19	1.7	1.5	< 20	33.4
715736																		0.4	1.20	3.0	2.2	< 20	39.5
715737																		0.1	1.38	2.7	0.8	< 20	32.8
715738																		0.2	1.47	4.1	< 0.5	< 20	33.4
715739																		0.3	1.29	2.3	0.6	< 20	49.5
715740																		< 0.1	1.32	3.7	3.2	< 20	24.7
718221	129	60	39800	2.4	12.8	< 8	87	70600	14	4.8	44	2070	44	381	29.1	47600	260						
718222	76	< 50	68600	4.4	7.3	< 8	88	52800	5	2.9	16	1470	33	238	24.7	67200	330						
718223	68	< 50	60900	3.0	7.4	< 8	77	47400	13	2.5	16	1340	31	219	17.5	52300	310						
718224	48	< 50	85000	2.0	4.9	< 8	52	32800	13	1.9	12	970	< 25	165	16.8	48100	230						
718225	70	< 50	64200	1.9	6.9	< 8	67	52400	7	3.4	13	1470	32	238	21.9	47800	310						
718226	48	< 50	46600	2.2	4.9	< 8	42	29300	181	2.1	11	890	27	148	13.3	93700	210						
718227	71	50	66600	1.7	6.7	10	64	50000	21	3.0	13	1390	36	230	20.2	49000	310						
718228	74	50	50000	1.8	6.8	< 8	59	44800	57	3.1	13	1230	37	238	20.4	73300	280						
718229	39	60	36300	1.5	3.1	< 8	32	21600	8	1.7	6	680	< 25	118	8.9	71100	150						
718230	110	60	52300	1.4	11.0	< 8	51	71400	23	4.3	20	2120	57	399	36.1	76600	140						
718231	25	< 50	51200	1.0	2.1	10	18	13300	64	1.0	5	410	< 25	75	4.5	60300	100						
718232	12	< 50	54700	0.8	0.6	10	10	4110	72	0.2	3	140	< 25	33	1.4	60300	100						
718233	5	70	37600	0.7	1.0	< 8	16	3290	56	0.4	3	130	< 25	24	1.6	54300	40						
718234	8	< 50	60400	< 0.2	0.9	10	7	3640	8	0.3	3	150	< 25	29	3.0	106000	40						
718235	11	< 50	41000	0.8	1.1	< 8	29	4900	11	0.4	3	190	< 25	36	2.4	71600	60						
718236	8	< 50	42400	0.6	1.0	29	4	6290	90	0.3	3	240	< 25	41	3.9	88700	60						
718237	9	< 50	44200	0.7	1.0	< 8	11	3210	43	0.3	3	140	< 25	27	2.0	58500	50						
718238	9	< 50	15600	0.7	0.8	< 8	5	3130	98	0.2	3	130	< 25	27	2.8	71700	50						
718239	41	< 50	40400	1.8	4.8	< 8	29	30600	124	2.1	8	840	< 25	150	11.6	70600	190						
718240	40	< 50	43100	2.8	4.0	< 8	44	31800	62	2.2	6	840	< 25	142	11.5	73300	200						

Analyte Symbol	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.1	0.1	1	0.2	0.01	1	0.01	0.01	1	0.01	1	0.1	0.001	0.1	0.001	0.1	1	0.1	0.1	0.5	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
657247	0.1	0.31	< 0.1	4.1	55	4.6	2.01	6	0.05	0.04	5	0.31	127	0.4	0.021	18.4	0.038	4.5	< 1	< 0.1	2.4	1.0	23
657248	< 0.1	0.34	< 0.1	5.9	62	7.8	2.06	5	0.06	0.03	7	0.33	158	0.4	0.024	21.1	0.042	3.9	< 1	< 0.1	3.6	1.0	24
715728	0.2	0.34	< 0.1	5.7	176	9.3	1.73	3	0.02	0.03	7	0.31	233	0.3	0.021	33.9	0.046	4.0	< 1	< 0.1	2.2	0.8	26
715729	0.1	0.34	< 0.1	5.3	159	9.8	1.67	3	< 0.01	0.03	7	0.34	206	0.2	0.020	34.4	0.040	3.6	< 1	< 0.1	1.9	0.8	26
715730	< 0.1	0.40	< 0.1	5.5	119	8.3	1.34	2	0.01	0.04	8	0.36	160	0.2	0.019	32.4	0.051	1.9	< 1	< 0.1	2.4	0.8	28
715731	0.1	0.22	< 0.1	2.3	40	4.9	0.96	6	0.04	0.04	5	0.19	89	1.0	0.015	11.7	0.018	7.0	< 1	< 0.1	1.9	1.0	23
715732	0.1	0.39	< 0.1	5.7	147	6.6	1.54	2	0.02	0.03	8	0.35	197	0.2	0.019	35.4	0.049	1.8	< 1	< 0.1	2.1	0.7	29
715733	0.2	0.30	0.1	9.9	187	31.1	4.00	7	0.10	0.09	11	0.72	202	1.1	0.023	53.9	0.065	6.4	< 1	0.1	4.8	1.5	18
715734	0.2	0.40	0.1	7.0	127	21.2	2.06	5	0.05	0.04	9	0.52	183	0.5	0.024	47.6	0.052	4.8	< 1	0.2	3.2	1.1	27
715735	0.1	0.35	0.1	4.0	55	5.0	1.47	5	0.05	0.05	6	0.27	173	0.5	0.019	16.9	0.042	5.0	< 1	< 0.1	2.5	1.0	30
715736	0.2	0.39	0.2	8.3	60	10.0	1.58	5	0.06	0.07	6	0.40	741	0.6	0.027	23.7	0.043	10.7	< 1	0.1	2.6	1.0	32
715737	0.1	0.36	0.1	4.9	67	12.3	2.09	6	0.06	0.06	7	0.39	162	0.6	0.025	24.5	0.040	5.6	< 1	0.1	3.0	1.2	27
715738	0.2	0.35	0.2	6.0	73	10.2	2.12	7	0.10	0.05	7	0.33	212	0.7	0.024	21.4	0.098	7.6	< 1	0.1	2.3	1.2	28
715739	0.1	0.33	0.2	4.5	54	7.8	1.82	7	0.10	0.06	6	0.33	234	0.6	0.021	18.8	0.051	7.0	< 1	< 0.1	2.4	1.0	30
715740	< 0.1	0.37	0.1	4.2	62	7.6	1.85	5	0.05	0.04	8	0.32	141	0.5	0.022	20.2	0.076	3.2	< 1	< 0.1	2.2	1.0	27
718221																							
718222																							
718223																							
718224																							
718225																							
718226																							
718227																							
718228																							
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718234																							
718235																							
718236																							
718237																							
718238																							
718239																							
718240																							

Analyte Symbol	Te	Th	Ti	Tl	V	W	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.001	0.1	2	0.1	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
657247	< 0.2	0.8	0.095	< 0.1	34	< 0.1	19
657248	< 0.2	1.0	0.109	< 0.1	36	< 0.1	22
715728	< 0.2	1.5	0.103	< 0.1	32	0.1	16
715729	< 0.2	1.3	0.099	< 0.1	31	0.2	17
715730	< 0.2	1.2	0.095	< 0.1	24	0.1	14
715731	< 0.2	0.6	0.100	< 0.1	23	< 0.1	11
715732	< 0.2	1.4	0.106	< 0.1	27	0.1	14
715733	< 0.2	3.0	0.113	< 0.1	52	0.3	48
715734	< 0.2	1.8	0.116	< 0.1	36	0.1	27
715735	< 0.2	1.4	0.119	< 0.1	26	0.1	31
715736	< 0.2	0.9	0.095	< 0.1	30	< 0.1	33
715737	< 0.2	1.4	0.109	< 0.1	33	0.1	28
715738	< 0.2	0.8	0.086	< 0.1	37	< 0.1	35
715739	< 0.2	0.6	0.086	< 0.1	29	< 0.1	32
715740	< 0.2	0.9	0.086	< 0.1	30	0.1	24
718221							
718222							
718223							
718224							
718225							
718226							
718227							
718228							
718229							
718230							
718231							
718232							
718233							
718234							
718235							
718236							
718237							
718238							
718239							
718240							

Analyte Symbol	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf
Unit Symbol	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb
Lower Limit	3	4	10	0.2	1	100	30	2	25	6	15	4	100	0.2	50	0.5	0.4	0.2	3	4	0.4	3	0.4
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CLV-1 Meas					11	45400			5670			464							1300				
CLV-1 Cert					11	49300			5940			494							1400				
CLV-2 Meas					41	20800																	
CLV-2 Cert					43	22500																	
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
OREAS 130 (Aqua Regia) Meas																							
OREAS 130 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
715731 Orig																							
715731 Dup																							
718235 Orig	5	96	50	0.7	9	52200	< 30	8	6030	80	121	164	700	63.7	3810	5.2	3.0	2.1	110	13	8.7	5	1.6
718235 Dup	9	105	40	0.7	8	58000	< 30	8	5930	112	151	168	1000	73.6	4080	6.9	3.7	2.2	134	36	10.7	< 3	2.0
Method Blank	< 3	< 4	< 10	< 0.2	< 1	< 100	< 30	< 2	< 25	< 6	< 15	< 4	< 100	< 0.2	< 50	< 0.5	< 0.4	< 0.2	< 3	< 4	< 0.4	< 3	< 0.4
Method Blank																							
Method Blank																							

Analyte Symbol	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Re	Sb	Se
Unit Symbol	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	2	0.2	0.2	10	10	10	0.5	2	100	10	5	2	5	50	4	50	0.2	1	0.2	10	0.2	10	100
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CLV-1 Meas				1670				1150	538000	2110	128				561	11100				2040			
CLV-1 Cert				1760				1240	571000	2180	134				581	11100				2230			
CLV-2 Meas																					23.4		
CLV-2 Cert																					23.0		
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
OREAS 130 (Aqua Regia) Meas																							
OREAS 130 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
715731 Orig																							
715731 Dup																							
718235 Orig	14	1.0	0.8	3440	60	80	< 0.5	806	490000	50	12	11	48	1970	859	400	< 0.2	14	0.3	9380	< 0.2	20	100
718235 Dup	12	1.4	0.4	3030	80	90	< 0.5	811	473000	60	12	16	73	1970	786	410	< 0.2	18	< 0.2	8990	< 0.2	20	200
Method Blank	2	< 0.2	< 0.2	< 10	< 10	< 10	< 0.5	2	< 100	< 10	< 5	< 2	< 5	< 50	< 4	< 50	< 0.2	< 1	< 0.2	< 10	< 0.2	< 10	< 100
Method Blank																							
Method Blank																							

Analyte Symbol	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Ag	Al	As	Au	B	Ba
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	%	ppm	ppb	ppm	ppm
Lower Limit	1	50	40	0.2	0.2	8	2	150	1	0.1	1	10	25	2	0.4	400	20	0.1	0.01	0.5	0.5	20	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CLV-1 Meas			27000		17.1						87300					68200							
CLV-1 Cert			28500		17.0						98500					74000							
CLV-2 Meas																							
CLV-2 Cert																							
OREAS 45d (Aqua Regia) Meas																			5.77	3.9	22.3		80.4
OREAS 45d (Aqua Regia) Cert																			4.860	6.50	21		80
Oreas 621 (Aqua Regia) Meas																		61.0	1.77	65.8	> 1000		
Oreas 621 (Aqua Regia) Cert																		68.0	1.60	75.0	1230		
OREAS 263 (Aqua Regia) Meas																		0.3	1.66	29.4			178
OREAS 263 (Aqua Regia) Cert																		0.285	1.29	30.8			175
OREAS 130 (Aqua Regia) Meas																		6.0	1.16	187			
OREAS 130 (Aqua Regia) Cert																		6.27	1.10	205			
Oreas 623 (Aqua Regia) Meas																		18.6	1.82	69.4	812		
Oreas 623 (Aqua Regia) Cert																		20.4	1.80	76.0	797		
715731 Orig																		< 0.1	0.79	2.0	1.1	< 20	18.2
715731 Dup																		< 0.1	0.76	2.1	2.2	< 20	16.6
718235 Orig	10	< 50	41200	0.9	1.0	< 8	38	4120	10	0.4	3	170	< 25	31	1.9	70100	50						
718235 Dup	13	< 50	40900	0.7	1.2	10	21	5690	12	0.4	4	200	< 25	42	3.0	73200	70						
Method Blank	< 1	< 50	< 40	< 0.2	< 0.2	< 8	< 2	< 150	< 1	< 0.1	< 1	< 10	< 25	< 2	< 0.4	< 400	< 20						
Method Blank																		< 0.1	< 0.01	1.1	< 0.5	< 20	3.7
Method Blank																		< 0.1	< 0.01	0.8	1.0	< 20	2.6

Analyte Symbol	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.1	0.1	1	0.2	0.01	1	0.01	0.01	1	0.01	1	0.1	0.001	0.1	0.001	0.1	1	0.1	0.1	0.5	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CLV-1 Meas																							
CLV-1 Cert																							
CLV-2 Meas																							
CLV-2 Cert																							
OREAS 45d (Aqua Regia) Meas	0.3	0.09		27.1	502	365	14.4	17		0.11	9	0.16	436		0.034	201	0.034	18.9	< 1		41.0		12
OREAS 45d (Aqua Regia) Cert	0.30	0.09		26.2	467	345.0	13.650	17.9		0.097	9.960	0.144	400.000		0.031	176.0	0.035	17.00	0.045		41.50		11.0
Oreas 621 (Aqua Regia) Meas	4.3	1.68	253.0	30.7	33	3700	3.64	10	3.88	0.36	17	0.42	569	14.0	0.164	27.0	0.032	> 5000	4	147	2.4	4.1	16
Oreas 621 (Aqua Regia) Cert	3.85	1.65	278	27.9	31.3	3660	3.43	9.29	3.93	0.333	19.4	0.436	520	13.3	0.160	25.8	0.0335	13600	4.50	107	2.20	5.64	18.9
OREAS 263 (Aqua Regia) Meas	0.6	1.01	0.3	33.6	62	97.1	3.96	5	0.16	0.38		0.59	539	0.6	0.074	79.8	0.045	36.9	< 1	10.8	3.2		18
OREAS 263 (Aqua Regia) Cert	0.570	1.03	0.270	31.0	48.0	87.0	3.68	4.92	0.170	0.288		0.593	490	0.570	0.0790	72.0	0.0410	34.0	0.126	7.37	3.52		16.9
OREAS 130 (Aqua Regia) Meas	3.4	1.77	28.4	29.1	28	244	7.66	5	0.66	0.57	22	0.87	1760	8.6		38.1	0.094	1290	6	5.9	3.5		20
OREAS 130 (Aqua Regia) Cert	3.05	1.81	28.8	27.1	23.2	226	7.27	4.78	0.670	0.500	26.4	0.892	1630	8.25		35.2	0.0860	1300	6.02	4.69	3.42		23.2
Oreas 623 (Aqua Regia) Meas	18.3	1.10	49.9	214	22	> 10000	13.3	13	0.75	0.20	16	1.12	597	9.0	0.070	15.7	0.044	2380	8	25.5	4.4	16.7	13
Oreas 623 (Aqua Regia) Cert	16.9	1.09	52.0	216	19.4	17200	13.0	11.9	0.830	0.175	17.9	1.11	570	8.38	0.0680	15.6	0.0400	2520	8.75	20.2	4.63	18.6	14.2
715731 Orig	0.1	0.23	< 0.1	2.5	41	5.0	1.02	6	0.04	0.04	5	0.20	92	1.0	0.016	12.2	0.018	7.1	< 1	< 0.1	2.0	1.0	24
715731 Dup	0.1	0.21	0.1	2.1	38	4.8	0.90	5	0.04	0.04	5	0.19	86	1.0	0.015	11.2	0.018	6.8	< 1	< 0.1	1.9	1.0	22
718235 Orig																							
718235 Dup																							
Method Blank																							
Method Blank	< 0.1	< 0.01	< 0.1	< 0.1	1	0.7	< 0.01	< 1	0.01	< 0.01	< 1	< 0.01	< 1	< 0.1	0.007	< 0.1	< 0.001	< 0.1	< 1	< 0.1	< 0.1	0.8	< 1
Method Blank	< 0.1	< 0.01	< 0.1	< 0.1	< 1	0.2	< 0.01	< 1	< 0.01	< 0.01	< 1	< 0.01	< 1	< 0.1	0.006	< 0.1	< 0.001	< 0.1	< 1	< 0.1	< 0.1	0.6	< 1

Analyte Symbol	Te	Th	Ti	Tl	V	W	Zn
Unit Symbol	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.001	0.1	2	0.1	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CLV-1 Meas							
CLV-1 Cert							
CLV-2 Meas							
CLV-2 Cert							
OREAS 45d (Aqua Regia) Meas		11.6			168		37
OREAS 45d (Aqua Regia) Cert		11.3			201.0		30.6
Oreas 621 (Aqua Regia) Meas		5.2		0.8	11	1.1	> 5000
Oreas 621 (Aqua Regia) Cert		5.91		0.770	10.9	1.00	51700
OREAS 263 (Aqua Regia) Meas	0.2	11.7		0.6	25		143
OREAS 263 (Aqua Regia) Cert	0.210	10.6		0.530	22.8		127
OREAS 130 (Aqua Regia) Meas	0.2	10.2	0.032	5.6	35	1.7	> 5000
OREAS 130 (Aqua Regia) Cert	0.170	10.3	0.0270	5.92	33.1	1.40	16900
Oreas 623 (Aqua Regia) Meas	0.6	4.9		0.3	15	3.1	> 5000
Oreas 623 (Aqua Regia) Cert	0.570	4.72		0.260	15.8	2.62	10100
715731 Orig	< 0.2	0.7	0.102	< 0.1	24	0.1	11
715731 Dup	< 0.2	0.6	0.097	< 0.1	23	< 0.1	11
718235 Orig							
718235 Dup							
Method Blank							
Method Blank	< 0.2	< 0.1	< 0.001	< 0.1	< 2	< 0.1	< 1
Method Blank	< 0.2	< 0.1	< 0.001	< 0.1	< 2	< 0.1	< 1