

# NI 43-101 TECHNICAL REPORT ON THE LAC ROULEAU BLOCK OF THE URBAN PROJECT

Urban-Barry Townships, Abitibi Region Quebec, Canada

NTS. 32B13 & 32G04 (Centered at UTM NAD83 Z18 457450mE – 5431850mN)

Val-d'Or, Québec February 8, 2018 Alain-Jean Beauregard, P.Geo., OGQ (#227), FGAC Daniel Gaudreault, Eng., OIQ (# 39834) SIGNATURE

# NI 43-101 TECHNICAL EVALUATION REPORT ON THE LAC ROULEAU BLOCK OF THE URBAN PROJECT

Prepared for



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Signed in Val-d'Or, February 8, 2018

S.J. Beauregare

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

Vaniel Haucheauth, eng DANIEL GAUDREAU 39834

Daniel Gaudreault, Eng., OIQ (# 39834)

#### **Certificate of Qualification (Alain-Jean Beauregard)**

I, Alain Jean Beauregard, P. Geo., do hereby certify that:

- 1. I am a geologist and the President of: Geologica Groupe-Conseil Inc., 450, 3<sup>rd</sup> Avenue, Suite 202, P.O. Box 1891, Val-d'Or (Québec), J9P 6C5
- 2. 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).
- 3. This certificate applies to the Technical Report entitled "NI 43-101 Technical Evaluation Report on the Lac Rouleau Block of the Urban Project" (the "Technical Report"). This report was written for Beaufield Resources Inc. and dated February 8, 2018.
- 4. I am a Fellow of the Geological Association of Canada #F4951 (FGAC) and also a member of the Order of Geologists and Geophysicists of Québec #227 (OGQ), of the Québec Mining Exploration Association (AEMQ), of the Canadian Institute of Mining and Metallurgy (CIMM) and the Prospectors and Developers Association of Canada (PDAC).
- 5. I have field experience mapping, prospecting, sampling and compiling data in the highly metamorphic terrain of the Grenville Province for iron, titanium, uranium, rare earth minerals, graphite, precious and base metals. I have worked as a geologist for a total of 40 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 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 Québec (Labrador Trough, Gaspé Peninsula, James Bay, St-Lawrence River, North Shore, Ungava, etc.), in eastern Canada, Europe, Africa and the Americas.
- 6. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 7. I am responsible for the technical parts of Sections 1 to 19 of the Technical Report. I have not visited the subject property due to the winter conditions. A visit will be realized in early summer 2018.
- 8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
- 9. I had no prior involvement with the property that is subject of the Technical Report.
- 10. I am independent of the issuers (Beaufield Resources Inc.) and the Lac Rouleau Block of the Urban Project applying all of the tests in section 1.5 of National Instrument 43-101.
- 11. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report. I confirm to have read 43-101 F1 form and related appendices and that the Technical Report has been prepared in compliance with the National Instrument 43-101.

Dated this 8<sup>th</sup> day of February 2018

J.J. Beauregard

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

#### Curriculum Vitae (Alain-Jean Beauregard)

#### **KEY EXPERIENCE**

Sound knowledge of geological sciences associated with extended experience in property management.

Involvement with the evaluation, management and realization of several mining exploration and development properties. Production of nearly 1,500 technical and financial evaluation reports in English or French for government authorities and private companies including numerous market value assessments of mining properties from grassroots properties to developed mines, and several companies' entire portfolio of properties.

Organization and management of many exploration campaigns for gold, base metals and industrial minerals, especially in remote areas of Abitibi, but also in other parts of Québec (Gaspé Peninsula, Gatineau, St-Lawrence River ("Lowlands"), North Shore, James Bay, etc.), in eastern Canada, Europe, Africa and the Americas.

Very good knowledge of Latin American and African countries. Excellent communication and mediation skills as well as sound administration practice.

#### **INTERNATIONAL MANDATES**

South America - Peru - 2000-2016 - Property Evaluation for Dynacor Gold Mines.

Europe – 2002 to 2003 – Drill Program Supervision and Property Evaluation for C2C in Spain and Portugal.

East Africa - September 1994 - Evaluation of mining properties in Tanzania, Kenya, Ethiopia and Eritrea for Pangea Goldfields and Resources KWG Inc., EAG Inc.

United Arab Emirates - June 1994 - Off-shore and on-shore oil and gas property evaluations. Geoscientific compilations in order to define potential prospective areas for chromite within the ophiolite belt of Semail.

West Africa (Based out of London, U.K.) - 1994 - Evaluation of mining properties in Mauritania, Niger, Mali, Burkina Faso, Ivory Coast and Ghana for Placer International Exploration and Placer Outokumpu Exploration Ltd.

Morocco - November 1992 to April 1993 - Compilation of the Anti-Atlas in Morocco, in north-western Africa (180 km<sup>2</sup>) at the scale of 1:100 000. A detailed report of the Guemassa area (Douar El Ajar VMS deposit) was also completed. Ref. Mr. Garth Wilson, Placer Outokumpu Ltd., London.

Argentina - April-May 1991 - Mission in the WNW Andes to evaluate properties for potential gold and base metal deposits: the Cerro Castillo Gold deposit, the Baja de Alumbrera Porphyry Copper deposit, the Farallon Negro Epithermal Gold-Manganese deposit.

Republic of Guyana - March 1991 - Evaluation of an alluvial diamond and gold deposit located on the Mazaruni River in the Roraima Formation, 300 km south of Georgetown.

#### **CANADIAN EXPERIENCE**

- -Founder, shareholder, director and administrator of Geologica Groupe-Conseil Inc., Val d'Or, (Québec) since 1985 Management, property supervision, property evaluations, geoscientific compilations at the national and international level.
- -Mining Geologist, Les Mines Sigma of Placer Dome Inc., Val d'Or (Québec), 1981-1985 Property geologist, geological and geochemical surveys, drilling supervision, grade verification and reserve estimates.
- -Project Director and Geologist, Serem Ltée, Val d'Or (Québec), 1977-1981 Geological and geochemical surveys, supervision of geophysical surveys (Mag, EMH and IP), and drill program supervision.
- -Assistant Geologist, Serem Ltée, Val d'Or (Québec), 1975, under the supervision of Mr. Paul Girard Ph.D. and Mr. Ray Goldie Ph.D. and for Hollinger North Shore and Labrador Exploration, Eastern Townships and Gaspesia, 1974 -Exploration for base metals and uranium.
- -Over the past 36 years, Geologica was the key lead and instrumental geological consulting group in the discovery of significant precious and base metals occurrences, mineralized zones and deposits of Abitibi: 2008-2016: Integra Gold Corp Lamaque South Property Triangle Deposit Discovery (drill definition program and resources calculation), 1981-1993: Nyrstar Mine Langlois VMS Deposit Discovery (drill program supervision and resources calculation), West Africa, Central and South America. Assisted and advised the founding members of SEMAFO on strategic gold property in West Africa between 1993 and 1996.

#### **Certificate of Qualification (Daniel Gaudreault)**

I, Daniel Gaudreault, P. Eng., do hereby certify that:

- 1. I am currently employed as a geological engineer by: Geologica Groupe-Conseil Inc., 450, 3<sup>rd</sup> Avenue, Suite 202, P.O. Box 1891, Val-d'Or (Québec), J9P 6C5
- 2. I graduated with a degree in Geological Engineering ("Eng.") from the University of Québec in Chicoutimi in 1983.
- 3. This certificate applies to the Technical Report entitled "NI 43-101 Technical Evaluation Report on the Lac Rouleau Block of the Urban Project" (the "Technical Report"). This report was written for Beaufield Resources Inc. and dated Fabruary 8, 2018.
- 4. I am a member of the "Ordre des ingénieurs du Québec (OIQ)", #39834, of the Québec Mining Exploration Association (AEMQ) and the Prospectors and Developers Association of Canada (PDAC).
- 5. I have field experience mapping, prospecting, sampling and compiling data in the highly metamorphic terrane of the Grenville Province for iron, titanium, uranium, rare earth minerals, graphite, precious and base metals. I have worked as a geologist for a total of 35 years since my graduation from university. As an engineer specializing in geology and mining, 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).
- 6. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.
- 7. I am responsible for the technical parts of Sections 1 to 13 and 15 to 19 of the Technical Report. I have not visited the property due to the winter conditions. A visit will be realized in early summer 2018.
- 8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
- 9. I had no prior involvement with the property that is subject of the Technical Report.
- 10. I am independent of the issuer (Beaufield Resources Inc.) and the Lac Rouleau Block of the Urban Project applying all of the tests in section 1.5 of National Instrument 43-101.
- 11. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report. I confirm to have read 43-101 F1 form and related appendices and that the Technical Report has been prepared in compliance with the National Instrument 43-101.

Dated this 8<sup>th</sup> day of February 2018

Vaniel Haucheauth, eng

Daniel Gaudreault, Eng. (OIQ #39834)

#### Curriculum Vitae (Daniel Gaudreault)

#### **KEY EXPERIENCE**

An engineer specialized in geology and mining, I have been involved with all aspects of planning, organization and supervision of mineral exploration properties especially in remote areas of Abitibi, Québec. I have been in charge of teams of professionals and technicians on geological properties in the most severe conditions. I have also completed several geoscientific compilations on areas of interest in Québec and Ontario, have written several technical reports in the USA (Nevada and California) and also written geological surveys in Labrador (Newfoundland).

I have produced a great number of technical reports in both English and French for government authorities and private companies, such as property evaluations, exploration and environmental reports. I have also completed numerous market value assessments of mining properties from grassroots properties to developed mines.

#### WORK EXPERIENCE

- 2010-2016: Participated in the resources definition of the Triangle Deposit and fifteen (15) other mineralized zones of Integra Gold Corp Lamaque South property in Val-d'Or, Quebec, Canada.
- Project Director, Geologica Groupe-Conseil Inc., Val d'Or (Québec), since 1985 Project manager, planning, mapping, drilling supervision, due diligence, property evaluations, market value assessments, environmental reports, NI 43-101 Technical Reports, fieldwork reports.
- Property Geologist, Boileau and Gauthier (Kiwatin) Val d'Or (Québec), 1985 Project Supervision, Planning, mapping and sampling.
- Property Geologist, Campbell Resources Ltd., Chibougamau (Québec), 1984-1985 Project geologist, planning, drilling supervision, mapping.

Property Geologist, Boileau and Gauthier (Kiwatin) Val d'Or (Québec), 1983-1984 -Drilling program supervision, reports.

- Property Geologist, Lac Minerals Ltd., Malartic (Québec), 1983 Exploration campaign supervision, drilling program, mapping and reports.
- Assistant Geologist, Lac Minerals Ltd., Val d'Or (Québec), 1982 and Ministry of Energy and Resources of Québec, Desmaraisville (Québec), 1981.

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# 1.0 SUMMARY

At the request of Beaufield Resources Inc. ("Beaufield"), Géologica Groupe-Conseil Inc. ("Geologica") was given the mandate to complete a NI 43-101 Technical Report on the Lac Rouleau Claim Block of the Urban Project ("the Property"). The issuer, Beaufield, is a Canadian mineral exploration company, trading publicy on the TSX Venture Exchange in Canada. 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 Property is located in the Abitibi region, 275 km east-northeast of the city of Val-d'Or and 120 km east of the town of Lebel-sur-Quévillon ("Quévillon"). The Val-d'Or-Quévillon section (highways 117 and 113) is paved and all-seasons gravel forestry roads 1000 (km-12), 5000 (km-66) and 6000 (km-120) connect Lebel-sur-Quévillon to the property by 4X4 pickup truck. A network of tertiary roads (such as drilling trails) provides access to most of the property by all-terrain vehicles (ATV). The Property consists of 160 map designated mineral claims ("CDC") covering a total area of 6,851.12 hectares.

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 Beaufield "as is" and that Beaufield shall ensure that all exploration programs on the Property are conducted in an environmentally sound manner.

Lebel-sur-Quévillon is the largest community in the immediate area with a population of 2,160 (census of 2016). The town was built at the beginning of the 1960s to house the employees of the Domtar pulp and paper mill, which was closed in 2008 due to market decline, and then purchased in 2012 by Fortress Paper Ltd. Since 2016, a cogeneration project is being planned by Nexolia Bioenergy Inc. on the current site to produce thermal and mechanical energy. The Langlois Zinc Mine held by Nyrstar and located northwest of Quévillon is still in operation and Osisko Mining, which holds the Windfall Lake project, near the Lac Rouleau Block, recently installed its administrative office and coreshack.

The topography of the area is flat with rare little hills (less than 15 m high). The average elevation is 400 m above sea level. Swampy low ground is common and overburden, consisting of glacial clay and fluvioglacial till, may locally be thick and outcrops are scarce (less than 1%). The area is moderately tree covered and black spruce is predominant. Drainage is mainly directed towards the St-Cyr River cutting a meandering valley at the east of the property, and a series of small lakes, streams and swamps occur across the central-west portion of the property.

Climatic conditions are typical for the Canadian Shield, with short, mild summers and long, cold winters. Mean temperatures range from -16°C in January, to +17°C in July. The mean annual precipitation throughout the region ranges from 850 to 950 mm.

The area located east of Rouleau Lake was explored for gold and base metals with trenching, geophysics and diamond drilling over several periods since 1935. These companies were: Rouleau Mines (1938-39), Honsberger-Stee Group (1947), Shell Canada (1978), Matagami Lake Exploration (1980), Jason Resources, Kidd Creek, Kinross Gold, Falconbridge Gold, Alto Ventures, Amseco Exploration and Beaufield Resources.

Gold was initially discovered in the Urban-Barry Township Area in 1935 along the south shore of Lac Rouleau. This area was explored with trenching which uncovered a 15-metre wide carbonate zone with disseminated sulphides that reportedly ran 2.88 g/t Au over 10.33 m, and 2.19 g/t Au over 10.39 m across two sections corresponding to the actual Showing No. 1.

The Urban-Barry Belt which is located in the SE portion of the northern volcanic Zone of the Abitibi Subprovince is the host of several types of gold mineralization. Three promising deposits are located in the area such as Osisko Mining's Windfall Lake Project, Metanor's Barry Gold Deposit, Bonterra's Gladiator Deposit and Osisko Mining's Souart-Nubar Deposit. The Belt is composed of imbricated structural blocks emplaced by NNW directed thrusting. The age of the volcanic rocks that makes up the structural blocks increases progressively from the north (2707 Ma) to the south (2791 Ma). These units are cut by the EW to ENE-WSW direction faults on which an oblique thrust motion of the SE to NW occurs.

Rocks underlying the Property consist of ENE striking and steeply dipping aphyric basalts intruded by gabbro sills or masses of the Macho formation. Two thin but laterally extended units of felsic tuffs and possibly lavas occur in the area of Lac Rouleau. The southernmost unit is closely associated with a major clastic graphitic sedimentary unit which corresponds to the Morissette Fault. This unit shows a strong electromagnetic correlation.

Several mineralized zones were discovered on the Rouleau Block: Rouleau Fault Zone, Zone 14 (1.63 g/t Au over 3.68m in DDH No. KUB88-14), Zone17 (7.18 g/t Au over 4.29 m in DDH No. 87-17), Zone 18 (27.53 g/t Au over 3.05 m in DDH No. 87-63), Showings No. 1, No. 2, No. 3 and No.4, Cominco Showing, Quesnel Showing and Stratabound Sulphides Showing.

In 2016, four (4) trenches were completed by Beaufield on the Zone 18 and just north of Showing 3, covering an area of 351.5 m<sup>2</sup>. A total of forty-four (44) channels were collected for eighty-eight (88) samples. Main lithologies consist from south to north of altered and sheared basalt, felsic to intermediate tuff locally strongly deformed and altered (chloritized, silicified, carbonated and sericitized with local fuschite) with 15% of Quartz veining up to 10cm and locally traces to 1% disseminated pyrite; and mylonitized and altered zone with quartz, biotite, chlorite and sericite and 10% of quartz stringers up to 2cm wide with 2% of disseminated pyrite in clusters. A mylonitized zone was observed in the contact between the tuffaceous unit and basaltic unit to the south and could correspond to the Zone 18. Best values obtained were: 6.63 g/t Au over 1.0 m within the trench A, 2.75 g/t Au over 1.0 m within the trench C

During June 10<sup>th</sup> to June 17<sup>th</sup> 2017 Geotech Ltd. carried out a helicopter-borne geophysical survey over a part of the Property. A total of 369 line-kilometres (Traverse: 100 m and Tie: 2 km) of geophysical data were acquired during the survey. In-field data quality assurance and preliminary processing were carried out on a daily basis during the acquisition phase. This

survey includes a magnetometric survey. Several conductives zones were identified during this survey.

From July to August 2017, 55 till samples were collected in the southeastern part of the Property by Beaufield and an anomalous NE-SW trend was defined and corresponds with the presence of gold value obtained within the drill hole BRS-17-10 with 33.6 g/t Au over 1.0 m.

In 2016 and 2017, Beaufield has completed two (2) drilling programs. Fifty-four (54) drill holes were realized totalling 13,698.63 m.

Zone	Number of DDH	Total Length (m)
18	21	3063.00
Lac Rouleau South	19	5140.33
17	4	567.00
Lac Rouleau Peninsula Area	5	2944.00
ET	6	1984.30

Best results obtained in the Zone 18 were:

Drill Hole No.	From (m)	To (m)	Length (m)	Au (g/t)
BRL-16-03	58.00	59.00	1.00	6.81
DRL-10-03	62.00	63.00	1.00	10.00
BRL-16-06	49.00	50.00	1.00	5.78
	31.00	32.00	1.00	8.66
BRL-16-08	33.00	34.00	1.00	6.24
	34.00	35.00	1.00	5.02
BRL-16-10	24.00	25.00	1.00	5.90
DRL-10-10	31.00	32.00	1.00	7.18
BRL-16-11	93.00	94.00	1.00	10.00
BRL-16-12	59.00	60.00	1.00	10.00
BRL-17-05	117.00	118.00	1.00	10.00
	121.00	122.00	1.00	3.36
	125.00	126.00	1.00	2.19
BRL-17-10	126.00	127.00	1.00	7.49
	132.00	133.00	1.00	8.14
	136.00	137.00	1.00	3.58
	138.00	139.00	1.00	10.00
BRL-17-11	156.00	157.00	1.00	7.38
	161.00	162.00	1.00	3.23

Drill Hole No.	From (m)	To (m)	Length (m)	Au (ppm)
BRS-17-03	71.00	72.50	1.50	2.43
BRS-17-05	61.00	62.00	1.00	2.45
DK3-17-03	82.14	82.60	0.46	1.04
	95.00	95.71	0.71	1.59
BRS-17-06	95.71	96.50	0.79	20.50
	96.50	97.58	1.08	1.83
BRS-17-07	136.00	137.00	1.00	3.31
BRS-17-09	321.75	322.25	0.50	1.63
BRS-17-10	18.50	19.50	1.00	33.60
BRS-17-15	131.00	132.00	1.00	1.39

Best values in the Zone Lac Rouleau South were:

No significant values were obtained for Zone 17, Lac Rouleau Peninsula Area and ET Zone.

The favorable mineral context of the Urban-Barry Belt has prompted many exploration companies and prospectors to stake claims in the area (Figure 14). Four mining holders, adjacent to the Property, holding promising gold deposit are: (1) Osisko Mining - Windfall Lake Gold Deposit with the more recent (2014) NI 43-101 mineral resource estimate, prepared by SRK for Eagle Hill Exploration, shows indicated 2.76 Mt @ 8.42 g/t Au for a total of 748,000 ounces of gold and inferred 3.51 Mt @ 7.62 g/t Au for a total of 860,000 ounces of gold; (2) Bonterra Resources - Gladiator Gold Deposit (formerly Eastern Extension) located immediately south of Beaufield's Zone 18, is at an advance stage exploration, was discovered by drilling in 1990's by Abitex Resources (Xemac Showing), with NI 43-101 "Inferred" mineral resources of 905,000 tonnes @ 9.37 g/t Au (4 g/t Au cut-off grade) for 273,000 ounces of gold); (3) Metanor Resources - Barry Gold Deposit located west of Beaufield's Lac Rouleau Block was discovered at the beginning of the '90 by Murgor Resources following numerous geological and geophysical surveys carried out by previous holders with a NI 43-101 updated Mineral Resource Estimate carried out by GoldMinds Geoservices in 2016 reported 8.4 Mt @ 1.13 g/t Au (305,400 ounces of gold) of Measured and Indicated resources; and inferred of 31.92 Mt @ 1.02 g/t Au (1.046,000 ounces of gold); and (4) Osisko Mining – Souart (Nubar) Deposit with historical estimated resources (that have not been prepared in accordance with NI 43-101) of 564.000 tonnes @ 6.2 g/t Au.

The Lac Rouleau Block of the Urban Project shows the highest distribution of gold occurrences from drill holes and showings. This distribution mainly surrounds Rouleau Lake. Underlying rocks consist of altered silicified, sericitized and carbonatized felsic to intermediate and volcanic rocks with some minor sedimentary units and gabbroic to granodioritic intrusions. Three main gold mineralized zones (Zones 14, 17 and 18), six showings (No 1, 2, 3 and 4; the Quesnel and Cominco showings) and several gold occurrences from drill holes were discovered within the Rouleau Lake area and on the rest of the property.

Zones 14, 17 and 18 locally outcrop. They have been traced by drilling over a 1.4 km strike length and are all hosted by the Rouleau Shear Zone.

In Zone 14, the best assay averages returned 1.63 g/t over 3.68 m in hole 88-14, and 3.50 g/t over 1.55 m in hole 86-16. In Zone 17, the best assay averages returned 21.4 g/t over 1.48 m in hole 87-17, and 42.41 g/t over 0.90 m in hole 87-61.

Zone 18 is the most significant of all mineralized zones. In total 29 (pre-2016) and 21 (2016-2017) drill holes were drilled across this zone. The zone is drill indicated over a strike length of 575 m and down to a vertical depth of 600 m.

The lateral and depth extensions of Zone 18 still have potential for a larger and richer mineral deposit. The Rouleau Lake Shear Zone is an important feature responsible for gold mineralization. Its lateral, strike extension offers additional exploration potential. Possible occurrences of branching-off shear zones must also be considered.

With the exception of two small areas, the northern half of the Rouleau Block remains greatly underexplored. The area is mostly overlain by swamps and access is limited due to lack of roads and trails. From a geological standpoint, this area may be the most promising for discovery due to the presence of major structures such as a major synclinal, faults and shears and a major intrusive body believed to be of felsic composition.

Recent drilling by Beaufield has uncovered a potential new zone located north of Zone 18 with hole BRL-17-02 with 1.55 g/t over 2m within a 13m wide anomalous gold intersection. Although relatively low, these values warrant further investigation.

On the southwest part of this felsic intrusion, in an area known as Tourmaline Ridge, historical work has defined geophysical (IP and VTEM) targets coincident with anomalous gold in surface soil and humus samples. The area is of interest due to its location being in a pressure shadow environment, were mineralized fluids may have concentrated. In 1989, three (3) drill holes did target the area, but may have been too far west to truly test the best targets as the geological context was less understood at the time. Additional soil surface sampling is recommended over the area to confirm historical work prior to drilling.

On the northeastern part of the Rouleau Block, the same pressure shadow context is assumed to be present and airborne magnetic data suggests that a NE-SW major fault or shear is present. Work in the area is limited to the recently completed VTEM survey which defined a moderate to weak and pervasive anomaly. Humus with anomalous gold has been sampled further northeast along this interpretated structure on the neighboring property in the late 1990s. Both a geochemical sampling (where possible) and a winter IP survey is recommended for the area to properly define drill targets.

On the east part of the Rouleau block, two (2) large VTEM anomalies have been discovered. Prospecting, geological mapping and a soil survey are recommended for the area prior to drilling. Several other areas have also been retained for further exploration activity based on available historical information and newly acquired data.

The authors firmly believe in the exploration potential of the property. Additional exploration work is proposed in two (2) Phases:

- Phase 1: Geoscientific Compilation, Complementary surface exploration work including local Grid-line cutting, ground geophysical surveys (magnetic and induced polarization), geochemical sampling (MMI), follow-up prospecting, detailed mapping, sampling and preparation of a work report.
- Phase 2a: Diamond drilling (NQ size) on the most interesting geological, geochemical and/or geophysical targets if warranted in Phase 1.
- Phase 2b: 3D Modelling and Resource Estimate for Zone 18 with an update of NI 43-101 Technical Report if warranted in Phase 2a.

# PHASE 1: BASIC EXPLORATION WORK

Geoscientific Compilation :	10	000 \$
<ul> <li>Local Grid-line cutting : 40 km at 800\$/km (including: mobilization &amp; demobilization)</li> <li>Ground magnetic survey:</li> </ul>	32	000 \$
<ul> <li>40 km at 500\$/km (including: mobilization &amp; demobilization)</li> <li>IP survey on selected lines:</li> </ul>	20	000 \$
40 km at 2,000\$/km (including: mobilization & demobilization)		000\$
Geochemical sampling (soil and till)		000 \$
<ul> <li>Reconnaissance &amp; Detailed mapping (1 geologist &amp; 1 techniciar 60 days at \$1,000/day</li> </ul>	,	000 \$
<ul> <li>Sample analysis (200 at 30\$/sample)</li> </ul>		000 \$
<ul> <li>Transport (All-terrain vehicle (ATV) and truck)</li> </ul>		000\$
<ul> <li>Logistics (Camp set-up, satellite phone, food, accommodation,</li> </ul>		000 φ
fuel, etc.)	20	000\$
<ul> <li>Data compilation, digitalization &amp; fieldwork report</li> </ul>	<u>30</u>	000 \$
Sub-total:		000\$
Administration (~5%):		000\$
Contingencies (~10%):	<u>33</u>	000 \$
TOTAL PHASE 1:	<u>350</u>	<u>000 \$</u>
<ul> <li>PHASE 2a: DIAMOND DRILLING (if warranted in Phase 1)</li> <li>Drilling (NQ type) on most significant geophysical, geochemical and geological targets:</li> </ul>		
$3\ 000\ m\ @\ 250\$ / m (all included)	750	000 \$
PHASE 2b: RESOURCE ESTIMATE (if warranted in Phase 2a)		
Data digitalization, 3D modelling:	30	000 \$
<ul> <li>Resource Estimate and NI 43-101 Technical Report</li> </ul>	<u>70</u>	000 \$
		<b>-</b>
Sub-total Phases 2a & 2b:		000\$
Administration (~5%):		000\$
Contingencies (~10%):	<u>88</u>	000 \$
TOTAL PHASE 2:	<u>980</u>	000 \$
TOTAL PHASES 1 AND 2: 1	<u>330</u>	000 \$

# 2.0 INTRODUCTION

At the request of Beaufield Resources Inc. ("Beaufield"), Géologica Groupe-Conseil Inc. ("Geologica") was given the mandate to complete a NI 43-101 Technical Report on the Lac Rouleau Claim Block of the Urban Project ("the Property"). The issuer, Beaufield, is a Canadian mineral exploration company, trading publicy on the TSX Venture Exchange in Canada. 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 Term of Reference and scope of works

The issuer requested an Evaluation Report of the Property:

- Summary of past and recent exploration works;
- Conclusions and recommendations for additional work to be done to confirm the potential of the Property;
- A technical report according to Form 43-101F1.

### 2.2 Principal Sources of Information

Geologica reviewed and evaluated the information submitted by Beaufield in order to prepare the report and has formulated its own conclusions and recommendations. Geologica believes that such information is valid and appropriate considering the status of the Property and the purpose for which the report is being prepared. To the best of their knowledge, the authors fully researched and documented the conclusions and recommendations made in the report. All the documents were reviewed between September and December 2017.

The authors relied on public documents filed at the Ministry of Energy and Natural Resources of the Province of Quebec (MERN), on the site of SEDAR and information provided by Beaufield for the descriptions of title and claim status. Moreover, some parts of this report were taken from reports prepared by previous property owners as well as from federal and provincial government studies.

Geologica is pleased to acknowledge the helpful cooperation of Beaufield management and exploration personnel, all of whom made any and all data requested available and responded openly and helpfully to all questions, queries and requests for material.

### 2.3 Qualified Persons and Inspection on the Property

Due to the winter season, the authors have not visited the Lac Rouleau Block of the Urban Property. The field visit of outcrops, showings and diamond drill hole core sampling will be conducted in the early summer of 2018. After this visit and the reception of the assay results, an update of this Technical Report will be updated.

# 2.5 Units and Currencies

All currency amounts are stated in Canadian Dollars (\$) or US dollars (\$US). Quantities are stated in metric units, as per standard Canadian and international practice, including metric tons (tonnes, t) and kilograms (kg) for weight, kilometres (km) or metres (m) for distance, hectares (ha) for area, and grams (g) or grams per metric ton (g/t) for gold grades. Wherever applicable, imperial units have been converted to the International System of Units (SI units) for consistency.

# 3.0 RELIANCE ON OTHER EXPERTS

The authors, Qualified and Independent Persons as defined by Regulation 43-101, were contracted by the issuer to study technical documentation relevant to the report and to make recommendations for additional work to be done. The authors have reviewed the mining titles and their status, as well as any agreements and technical data supplied by the issuer (or its agents) and any available public sources of relevant technical information.

Some of the geological and technical reports for projects in the vicinity of the Lac Rouleau Block of the Urban Property and on the Property were prepared before the implementation of National Instrument 43-101 in 2001 and Regulation 43-101 in 2005. The authors of such reports appear to have been qualified and the information prepared according to standards acceptable to the exploration community at the time. In some cases, the data is incomplete and does not fully meet the current requirements of Regulation 43-101. The authors have no known reason to believe that any of the information used to prepare the report herein is invalid or contains misrepresentations.

# 4.0 PROPERTY DESCRIPTION AND LOCATION

### 4.1 Location

The Property is located in the Abitibi region at 275 km east-north-east of the city of Val-d'Or and 120 km east of the town of Lebel-sur-Quévillon (Figure 1). The Val-d'Or-Quévillon section (highways 117 and 113) is paved and all seasons gravel forestry roads 1000 (km-12), 5000 (km-66) and 6000 (km-120) connects Lebel-sur-Quévillon to the property by 4X4 pickup truck (Figure 2). A network of tertiary roads (such as drilling trails) provides access to most of the property by all-terrain vehicles (ATV).

The Property is part of Urban and Barry Townships in National Topographic System (NTS) map sheets 32B13 and 32G04. The center of the Property is located at Nad 83 UTM Zone 18N coordinates 457 450 mE and 5 431 850 mN.

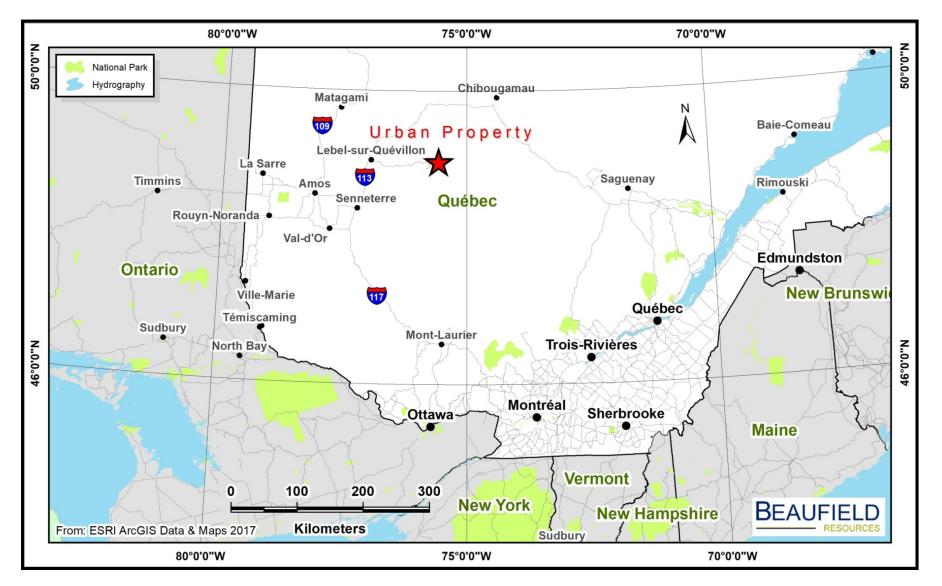


Figure 1 - Lac Rouleau Block of the Urban Project Regional Setting

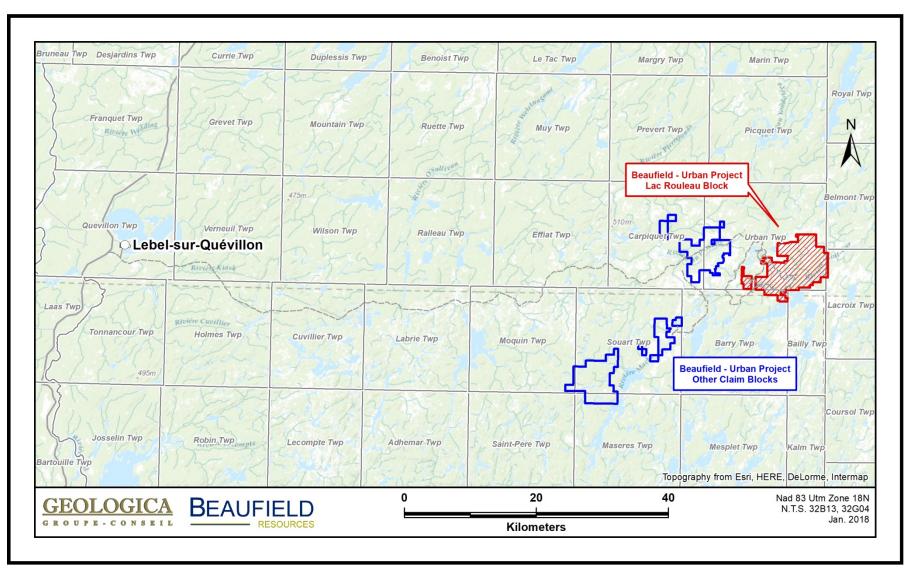


Figure 2 - Detailed Location

### 4.2 Claim Status

The Property consists of 160 map designated mineral claims ("CDC") covering a total area of 6,851.12 hectares (Table 1 and Figure 3).

All claims are in good standing and are 100% registered to Beaufield Resources (Table 1). The status of the claims was validated using "GESTIM", the official Quebec government system for mining titles management, easily available on the Quebec Natural Resources Ministry Website (<u>www.gestim.mines.gouv.qc.ca</u>.) and no surface rights are associated to the land holdings.

	Resources Beaufield Inc. (89323) 100 % (responsible)							
	NTS Sheet	Title No	Expiry Date	Area (Ha)	Excess Work	Required Work	Required Fees	
1	NTS 32G04	2369488	2018-07-12 23:59	0.01	\$0.00	\$487.50	\$32.77	
2	NTS 32G04	2369489	2018-07-12 23:59	1.07	\$0.00	\$487.50	\$32.77	
3	NTS 32G04	2369490	2018-07-12 23:59	0.11	\$0.00	\$487.50	\$32.77	
4	NTS 32G04	2369491	2018-07-12 23:59	8.49	\$0.00	\$487.50	\$32.77	
5	NTS 32G04	2369492	2018-07-12 23:59	0.04	\$0.00	\$487.50	\$32.77	
6	NTS 32G04	2369493	2018-07-12 23:59	8.51	\$0.00	\$487.50	\$32.77	
7	NTS 32G04	2369494	2018-07-12 23:59	0.01	\$0.00	\$487.50	\$32.77	
8	NTS 32G04	2369495	2018-07-12 23:59	0.09	\$0.00	\$487.50	\$32.77	
9	NTS 32G04	2369502	2018-07-12 23:59	3.37	\$0.00	\$487.50	\$32.77	
10	NTS 32G04	2369503	2018-07-12 23:59	25.53	\$0.00	\$1,170.00	\$64.09	
11	NTS 32G04	2369504	2018-07-12 23:59	24.83	\$0.00	\$487.50	\$32.77	
12	NTS 32G04	2369505	2018-07-12 23:59	15.00	\$0.00	\$487.50	\$32.77	
13	NTS 32G04	2369506	2018-07-12 23:59	56.45	\$0.00	\$1,170.00	\$64.09	
14	NTS 32G04	2369507	2018-07-12 23:59	56.44	\$0.00	\$1,170.00	\$64.09	
15	NTS 32G04	2369508	2018-07-12 23:59	0.37	\$0.00	\$487.50	\$32.77	
16	NTS 32G04	2369509	2018-07-12 23:59	1.77	\$0.00	\$487.50	\$32.77	
17	NTS 32G04	2369510	2018-07-12 23:59	4.97	\$0.00	\$487.50	\$32.77	
18	NTS 32G04	2369511	2018-07-12 23:59	56.44	\$0.00	\$1,170.00	\$64.09	
19	NTS 32G04	2369512	2018-07-12 23:59	4.98	\$0.00	\$487.50	\$32.77	
20	NTS 32G04	2431684	2019-07-28 23:59	56.45	\$0.00	\$780.00	\$64.09	
21	NTS 32G04	2376832	2019-03-20 23:59	56.40	\$30,393.47	\$1,625.00	\$64.09	
22	NTS 32G04	2376833	2019-03-20 23:59	19.37	\$10,346.41	\$650.00	\$32.77	
23	NTS 32G04	2376834	2019-03-20 23:59	35.60	\$18,585.24	\$1,625.00	\$64.09	
24	NTS 32G04	2376835	2019-03-20 23:59	17.48	\$9,273.46	\$650.00	\$32.77	
25	NTS 32G04	2376836	2019-03-20 23:59	31.24	\$16,110.05	\$1,625.00	\$64.09	
26	NTS 32G04	2376837	2019-03-20 23:59	30.38	\$15,621.83	\$1,625.00	\$64.09	
27	NTS 32G04	2376838	2019-03-20 23:59	28.86	\$14,758.92	\$1,625.00	\$64.09	
28	NTS 32G04	2376839	2019-03-20 23:59	52.34	\$28,088.60	\$1,625.00	\$64.09	
29	NTS 32G04	2376840	2019-03-20 23:59	27.03	\$13,720.02	\$1,625.00	\$64.09	
30	NTS 32G04	2387580	2018-11-10 23:59	56.45	\$9,473.76	\$1,625.00	\$64.09	
31	NTS 32G04	2387581	2018-11-10 23:59	56.45	\$13,012.17	\$1,625.00	\$64.09	
32	NTS 32G04	2387582	2018-11-10 23:59	56.45	\$13,010.53	\$1,625.00	\$64.09	
33	NTS 32G04	2387583	2018-11-10 23:59	56.45	\$12,764.46	\$1,625.00	\$64.09	
34	NTS 32G04	2387584	2018-11-10 23:59	56.45	\$12,614.32	\$1,625.00	\$64.09	
35	NTS 32G04	2387585	2018-11-10 23:59	56.45	\$13,243.25	\$1,625.00	\$64.09	
36	NTS 32G04	2387586	2018-11-10 23:59	56.45	\$13,243.25	\$1,625.00	\$64.09	
37	NTS 32G04	2387587	2018-11-10 23:59	56.45	\$13,243.25	\$1,625.00	\$64.09	
38	NTS 32G04	2387588	2018-11-10 23:59	56.45	\$13,243.25	\$1,625.00	\$64.09	
39	NTS 32G04	2387589	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	

Table 1 - Urban Project (Lac Rouleau Block) Mining Title List

Resources Beaufield Inc. (89323) 100 % (responsible)								
	NTS Sheet	Title No	Expiry Date	Area (Ha)	Excess Work	Required Work	Required Fees	
40	NTS 32G04	2387590	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
41	NTS 32G04	2387591	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
42	NTS 32G04	2387592	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
43	NTS 32G04	2387593	2018-11-10 23:59	56.44	\$12,460.61	\$1,625.00	\$64.09	
44	NTS 32G04	2387594	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
45	NTS 32G04	2387595	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
46	NTS 32G04	2387596	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
47	NTS 32G04	2387597	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
48	NTS 32G04	2387598	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
49	NTS 32G04	2387599	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
50	NTS 32G04	2387600	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
51	NTS 32G04	2387601	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
52	NTS 32G04	2387602	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
53	NTS 32G04	2387603	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
54	NTS 32G04	2387604	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
55	NTS 32G04	2387605	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
56	NTS 32G04	2387606	2018-11-10 23:59	56.43	\$13,143.72	\$1,625.00	\$64.09	
57	NTS 32G04	2387607	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
58	NTS 32G04	2387608	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
59	NTS 32G04	2387609	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
60	NTS 32G04	2387610	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
61	NTS 32G04	2387611	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
62	NTS 32G04	2387612	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
63	NTS 32G04	2387612	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
64	NTS 32G04	2387613	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
65	NTS 32G04	2387615	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
66	NTS 32G04	2387616	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
67	NTS 32G04	2387617	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
68	NTS 32G04	2387618	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
69	NTS 32G04	2387619	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
70	NTS 32G04	2387620	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
71	NTS 32G04	2387621	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
72	NTS 32G04	2387622	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
73	NTS 32G04	2387623	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
74	NTS 32G04	2387624	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
75	NTS 32G04	2387625	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
76	NTS 32G04	2387626	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
77	NTS 32G04	2387627	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
78	NTS 32G04	2387628	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
79	NTS 32G04	2387629	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
80	NTS 32G04	2387630	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
81	NTS 32G04	2387631	2018-11-10 23:59	56.42	\$13,235.35	\$1,625.00	\$64.09	
82	NTS 32G04	2387632	2018-11-10 23:59	56.42	\$13,235.34	\$1,625.00	\$64.09	
83	NTS 32G04	2387633	2018-11-10 23:59	56.42	\$13,235.34	\$1,625.00	\$64.09	
84	NTS 32G04	2387633	2018-11-10 23:59	56.42	\$13,235.34	\$1,625.00	\$64.09	
85	NTS 32G04	2387635	2018-11-10 23:59	56.41	\$13,233.34	\$1,625.00	\$64.09	
86	NTS 32G04	2387635	2018-11-10 23:59	56.41	\$13,232.71	\$1,625.00	\$64.09	
87	NTS 32G04	2387637	2018-11-10 23:59	56.41	\$13,232.71	\$1,625.00	\$64.09	
88	NTS 32G04	2387638	2018-11-10 23:59	56.41	\$13,232.71	\$1,625.00	\$64.09	
89	NTS 32G04	2387639		56.41			\$64.09	
89 90	NTS 32G04 NTS 32G04	2387639	2018-11-10 23:59	1	\$13,232.71 \$13,232,71	\$1,625.00	\$64.09	
			2018-11-10 23:59	56.41	\$13,232.71	\$1,625.00		
91	NTS 32G04	2387641	2018-11-10 23:59	56.41	\$13,232.71	\$1,625.00	\$64.09	
92 93	NTS 32G04 NTS 32G04	2387642 2387643	2018-11-10 23:59 2018-11-10 23:59	56.41 56.40	\$13,232.71 \$13,230.07	\$1,625.00 \$1,625.00	\$64.09 \$64.09	

	Resources Beaufield Inc. (89323) 100 % (responsible)							
	NTS Sheet	Title No	Expiry Date	Area (Ha)	Excess Work	Required Work	Required Fees	
94	NTS 32G04	2387644	2018-11-10 23:59	56.40	\$13,230.08	\$1,625.00	\$64.09	
95	NTS 32G04	2387645	2018-11-10 23:59	56.40	\$13,230.08	\$1,625.00	\$64.09	
96	NTS 32G04	2387646	2018-11-10 23:59	56.40	\$13,230.08	\$1,625.00	\$64.09	
97	NTS 32G04	2387647	2018-11-10 23:59	56.39	\$13,227.44	\$1,625.00	\$64.09	
98	NTS 32G04	2387648	2018-11-10 23:59	56.39	\$13,227.44	\$1,625.00	\$64.09	
99	NTS 32G04	2387649	2018-11-10 23:59	56.39	\$13,227.44	\$1,625.00	\$64.09	
100	NTS 32G04	2387650	2018-11-10 23:59	56.44	\$10,640.61	\$1,625.00	\$64.09	
101	NTS 32G04	2387651	2018-11-10 23:59	56.44	\$13,240.61	\$1,625.00	\$64.09	
102	NTS 32G04	2387652	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
103	NTS 32G04	2387653	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
104	NTS 32G04	2387654	2018-11-10 23:59	56.41	\$13,232.72	\$1,625.00	\$64.09	
105	NTS 32G04	2387655	2018-11-10 23:59	56.40	\$13,230.08	\$1,625.00	\$64.09	
106	NTS 32G04	2387656	2018-11-10 23:59	56.45	\$10,708.25	\$1,625.00	\$64.09	
107	NTS 32G04	2387657	2018-11-10 23:59	56.43	\$13,237.98	\$1,625.00	\$64.09	
108	NTS 32G04	2387658	2018-11-10 23:59	56.40	\$13,230.08	\$1,625.00	\$64.09	
109	NTS 32G04	2387659	2018-11-10 23:59	56.40	\$11,670.83	\$1,625.00	\$64.09	
110	NTS 32G04	2387661	2018-11-10 23:59	4.83	\$622.16	\$650.00	\$32.77	
111	NTS 32G04	2387662	2018-11-10 23:59	56.38	\$342.97	\$650.00	\$64.09	
112	NTS 32G04	2387663	2018-11-10 23:59	54.90	\$12,834.99	\$1,625.00	\$64.09	
113	NTS 32G04	2387664	2018-11-10 23:59	56.41	\$2,317.92	\$1,625.00	\$64.09	
114	NTS 32G04	2387665	2018-11-10 23:59	56.39	\$5,655.50	\$650.00	\$64.09	
115	NTS 32G04	2387666	2018-11-10 23:59	3.37	\$237.61	\$650.00	\$32.77	
116	NTS 32G04	2387667	2018-11-10 23:59	56.38	\$1,804.77	\$650.00	\$64.09	
117	NTS 32G04	2387668	2018-11-10 23:59	39.58	\$8,799.90	\$1,625.00	\$64.09	
118	NTS 32G04	2387669	2018-11-10 23:59	56.43	\$2,876.30	\$1,625.00	\$64.09	
119	NTS 32G04	2387670	2018-11-10 23:59	9.54	\$1,862.72	\$650.00	\$32.77	
120 121	NTS 32G04 NTS 32G04	2387671 2387672	2018-11-10 23:59 2018-11-10 23:59	41.68 39.39	\$9,353.01 \$8,749.85	\$1,625.00 \$1,625.00	\$64.09 \$64.09	
121	NTS 32G04	2387672	2018-11-10 23:59	0.08	\$0.00	\$650.00	\$32.77	
123	NTS 32G04	2387674	2018-11-10 23:59	56.42	\$3,616.42	\$1,625.00	\$64.09	
123	NTS 32G04	2387675	2018-11-10 23:59	56.38	\$1,783.71	\$650.00	\$64.09	
125	NTS 32G04	2387676	2018-11-10 23:59	39.24	\$8,710.35	\$1,625.00	\$64.09	
126	NTS 32G04	2387677	2018-11-10 23:59	56.38	\$1,765.27	\$650.00	\$64.09	
127	NTS 32G04	2387678	2018-11-10 23:59	2.11	\$0.00	\$650.00	\$32.77	
128	NTS 32G04	2387679	2018-11-10 23:59	45.34	\$10,317.01	\$1,625.00	\$64.09	
129	NTS 32B13	2387680	2018-11-10 23:59	44.58	\$5,710.82	\$1,625.00	\$64.09	
130	NTS 32G04	2387681	2018-11-10 23:59	56.37	\$13,222.17	\$1,625.00	\$64.09	
131	NTS 32G04	2387682	2018-11-10 23:59	56.40	\$5,486.47	\$1,625.00	\$64.09	
132	NTS 32G04	2387683	2018-11-10 23:59	56.42	\$3,455.75	\$1,625.00	\$64.09	
133	NTS 32G04	2387684	2018-11-10 23:59	0.65	\$0.00	\$650.00	\$32.77	
134	NTS 32G04	2387685	2018-11-10 23:59	5.30	\$745.95	\$650.00	\$32.77	
135	NTS 32G04	2387686	2018-11-10 23:59	3.49	\$269.22	\$650.00	\$32.77	
136	NTS 32G04	2387687	2018-11-10 23:59	40.85	\$674.84	\$650.00	\$64.09	
137	NTS 32G04	2387688	2018-11-10 23:59	40.40	\$9,015.88	\$1,625.00	\$64.09	
138	NTS 32G04	2387689	2018-11-10 23:59	29.34	\$6,102.80	\$1,625.00	\$64.09	
139	NTS 32G04	2387690	2018-11-10 23:59	49.51	\$11,415.34	\$1,625.00	\$64.09	
140	NTS 32G04	2387691	2018-11-10 23:59	55.67	\$13,037.81	\$1,625.00	\$64.09	
141	NTS 32G04	2387692	2018-11-10 23:59	56.40	\$7,680.50	\$1,625.00	\$64.09	
142	NTS 32B13	2387693	2018-11-10 23:59	56.47	\$11,270.47	\$1,625.00	\$64.09	
143	NTS 32G04	2387694	2018-11-10 23:59	6.04	\$940.86	\$650.00	\$32.77	
144	NTS 32G04	2387695	2018-11-10 23:59	18.77	\$4,293.80	\$650.00	\$32.77	
145	NTS 32G04	2387696	2018-11-10 23:59	6.01	\$932.96	\$650.00	\$32.77	
146	NTS 32G04	2387697	2018-11-10 23:59	53.14	\$12,371.44	\$1,625.00	\$64.09	
147	NTS 32G04	2387698	2018-11-10 23:59	6.32	\$1,014.61	\$650.00	\$32.77	

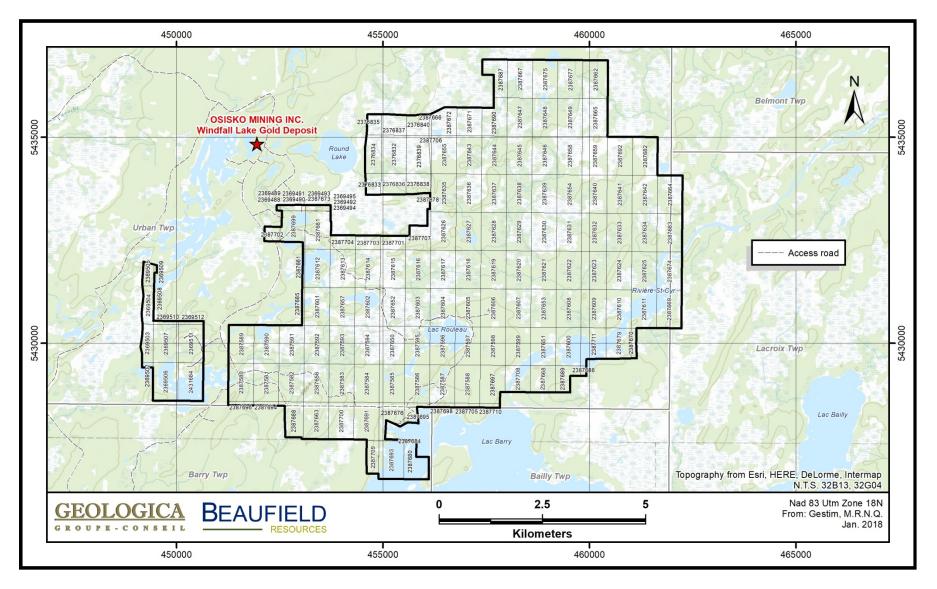
	NTS Sheet	Title No	Expiry Date	Area (Ha)	Excess Work	Required Work	Required Fees
148	NTS 32G04	2387699	2018-11-10 23:59	45.22	\$10,285.40	\$1,625.00	\$64.09
149	NTS 32G04	2387700	2018-11-10 23:59	54.93	\$12,842.90	\$1,625.00	\$64.09
150	NTS 32G04	2387701	2018-11-10 23:59	20.74	\$4,812.66	\$650.00	\$32.77
151	NTS 32G04	2387702	2018-11-10 23:59	13.32	\$2,858.33	\$650.00	\$32.77
152	NTS 32G04	2387703	2018-11-10 23:59	20.76	\$4,817.93	\$650.00	\$32.77
153	NTS 32G04	2387704	2018-11-10 23:59	21.64	\$5,049.72	\$650.00	\$32.77
154	NTS 32G04	2387705	2018-11-10 23:59	6.36	\$1,025.14	\$650.00	\$32.77
155	NTS 32G04	2387706	2018-11-10 23:59	4.06	\$419.36	\$650.00	\$32.77
156	NTS 32G04	2387707	2018-11-10 23:59	36.59	\$8,012.37	\$1,625.00	\$64.09
157	NTS 32G04	2387708	2018-11-10 23:59	39.41	\$8,755.12	\$1,625.00	\$64.09
158	NTS 32B13	2387709	2018-11-10 23:59	23.47	\$5,531.72	\$650.00	\$32.77
159	NTS 32G04	2387710	2018-11-10 23:59	5.05	\$680.11	\$650.00	\$32.77
160	NTS 32G04	2387711	2018-11-10 23:59	48.50	\$11,149.31	\$1,625.00	\$64.09
			Total:	6851.12	\$1,468,474.79	\$212,972.50	\$9,095.56

# 4.3 Ownership, Royalties and Agreements

Several royalties are presents on the Lac Rouleau Block from Urban Project. Figure 4 shows the repartition of these Royalties and Table 2 shows the percentage.

Holder	<b>Royalties</b>
Jason Resources	10% NPI
Teck Resources	2%
F. Desrosiers, M. Lavoie & Geotest	0.75%
North American Exploration, G. Majerle & M. Lavoie Group	2.3%
Alto Ventures, Estate of Jerry Bullman, Estate of Don Haynes	3%

Table 2 - percentage of NSR and NPI for each holder





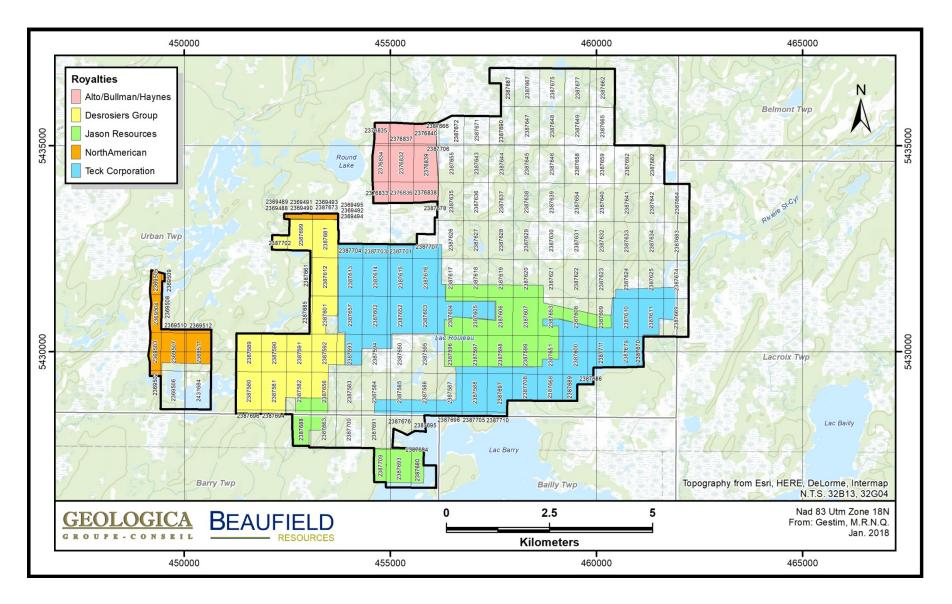


Figure 4 - Royalties Map of the Lac Rouleau Block

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

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. Occasionally, the claim can be located on the private surface right.

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.
- 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 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 de l'Energie et des Ressources Naturelles" 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. Also, Beaufield must consult with First Nation Communities to conduct some exploration activities such as drilling and power stripping because the Property lies on trap lands. The permitting process includes some day consultations by Waswanipi Cree Community. It is to be noted that Beaufield employs local trappers (Marshall Icebound) whenever possible.

### 4.5 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 Beaufield "as is" and that Beaufield 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. Garbage was brought out on a daily basis. No mechanical instruments were used other than hand shovels, grub hoes, hammers and chisels which were used to manually clean and sample the observed outcrops.

Beaufield is responsible for obtaining all authorizations and permits from the "Ministère de l'Energie et des Ressources Naturelles du Québec" in the event of outcrop stripping and drilling activities.

To the best of our knowledges, no other significant factors and risks are known that could affect the exploration work, except an economic risk, by example with the decline of metal prices resulting in a lack of liquidity through inadequate funding to achieve the exploration work.

# 5.0 ACCESSIBILITY, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

As previously described the Property is easily accessible using major and secondary roads developed in the recent decades due to forestry industries and mining activities in the well-known Urban-Barry mining camp.

The region is served by two regional airports, located in Val-d'Or and Rouyn-Noranda, offering regular flights to Montréal, Toronto and the north part of eastern Canada (Nunavik and Nunavut).

The Abitibi region, which has a population of approximately 145,000 people and a total area of 64,656 km2 (Québec Statistic Institute, 2010), is a vast region that was created through mining and forestry development. The district is well known for its mineral deposits containing

gold, silver, copper and zinc mineralizations. Many of these deposits have been in production since the 1930s throughout the district. Specialized manpower and qualified mining contractors are present and readily available in the region. Mining, but mostly forestry sector, also create an important path network giving access to the entire territory (primary, secondary and tertiary roads).

Lebel-sur-Quévillon is the largest community in the immediate area with a population of 2,160 people (census of 2016). The town was built at the beginning of the 1960s to house the employees of the Domtar pulp and paper mill, which was closed in 2008 due to the decline of the markets and purchased in 2012 by Fortress Paper Ltd. Since 2016, a cogeneration project is being planned by Nexolia Bioenergy Inc on the current site in order to produce thermal and mechanical energy. The Langlois Mine held by Nyrstar and located northwest of Quévillon is still in operation and Osisko Mining, which hold the Windfall Lake project, nearby the Lac Rouleau Block, recently installed its administrative office and coreshack.

The topography of the area is flat with rare little hills (less than 15 m high). The average elevation is 400 m above sea level. Swampy low ground is common and overburden, consisting of glacial clay and fluvioglagial till, may locally be thick and outcrops are scarce (less than 1%). The area is moderately tree covered and black spruce is predominant. Drainage is mainly directed towards the St-Cyr River cutting a meandering valley at the east of the property and a series of small lakes, streams and swamps occur across the central-west portion of the property.

Climatic conditions are typical for the Canadian Shield, with short, mild summers and long, cold winters. Mean temperatures range from -16°C in January, to +17°C in July. The mean annual precipitation throughout the region ranges from 850 to 950 mm.

# 6.0 HISTORY

The area located east of Rouleau Lake was explored for gold and base metals with trenching, geophysics and diamond drilling over several periods since 1935. These companies were: Rouleau Mines (1938-39), Honsberger-Stee Group (1947), Shell Canada (1978) and Matagami Lake Exploration (1980). Table 4 shows the historical drill holes and Table 4 shows historical exploration work carried out on the current limit of Lac Rouleau Block Property.

Gold was initially discovered in the Urban-Barry Township Area in 1935 along the south shore of Lac Rouleau. This area was explored with trenching which uncovered a 15-metre wide carbonate zone with disseminated sulphides that reportedly ran 2.88 g/t Au over 10.33 m, and 2.19 g/t Au over 10.39 m across two sections corresponding to the actual showing No. 1.

Subsequent mapping and sampling by Honsberger-Stee in 1947 lead to the discovery of mineralization near the east shoreline of Lac Rouleau near what later were to become the Showing No.2 area and the 17 Zone.

Jason Resources Inc. acquired the Rouleau property as part of their Barry Lake Properties in 1980. An Aerodat AEM - magnetometer survey was flown in 1981 and the ground was subsequently optioned to Kidd Creek Mines in 1982.

Kidd Creek conducted survey work including geological mapping and sampling until 1984. Although, Kidd's sampling of the original Rouleau showings (Showings No. 1 and No. 4) located south and southeast of Lac Rouleau were disappointing. Two new showings named Showing No. 2 and No.3, respectively, were identified. Showing No. 2 and No. 3 are located near the northeast shore of Lac Rouleau.

Exploration during the height of the flow-through period saw Beaufield Resources Inc. enter into an agreement with Falconbridge Gold Ltd, heirs to the Urban-Barry Area properties through their previous acquisition of Kidd Creek. Falconbridge was the project operator thus directed proposed exploration programs.

Between December 1st, 1986 and March 31st, 1988, Beaufield expended C\$ 2.6 million on the Urban Property, of which C\$ 2.2 million was directed at the Lac Rouleau Block. This pulse of activity included the establishment of grids, geological mapping and sampling (including selected humus sampling); ground gradient magnetometer surveys, and reconnaissance induced polarization (IP) surveys. A total of 94 drill holes for a total of 26,757.36 meters were subsequently drilled through to the end of 1988 to test IP targets and develop mineralization encountered in holes. This drilling led to the discovery of Zones 17 and 18 with drill holes 87-17 and 87-18 within the vicinity of Showings No. 2 and No. 3 respectively.

Much of drilling and expenditures on the Rouleau Block were subsequently focused at Zones 17 and 18, which were drilled to vertical depths of 250 m and 400 m respectively. Of the last 15 drill holes completed during 1988, 11 were directed at testing new and potentially favourable exploration targets defined by magnetic anomalies, IP anomalies and/or anomalous humus values. No new mineralized zones were defined.

Subsequent drilling during the 1990s by the JV saw 13 additional holes completed on the Rouleau Block for an additional amount of 3,360 meters with an additional three holes for 722.78 meters drilled in 1998 by Beaufield. This brings the total amount drilled on the Rouleau Block to 97 holes for 28,338.08 meters. Details follow for holes completed during the 1990s.

Three (3) drill holes were completed in 1990 for 1,287 meters. These drill holes did target the depth and east plunge of the Zone 18 at depths of 425 and 460 meters (drill holes B-1 and B-3) and the east plunge the Zone 17 as reported in drill holes 87-40 and 87-61. Both targets returned negative results with the best value obtained from an isolated occurrence of arsenopyrite well within the tuffs which returned 5.48 g/t Au over 40 cm in drill hole B-1 (Metcalfe, 1990). The absence of gold values in drill holes B-1 and B-3 may reflect that Zone 18 is raking steeply to the east with depth and has a length of less than 200-225 m. Drill Holes B-1 and B-3 were targeted with the assumption that the rake at depth was much shallower.

The acquisition of Falconbridge interests in the property, by Kinross Gold Corporation, on August 29, 1996 lead to a revitalized exploration during 1997. Six drill holes (LR97-1 through LR97-6) for approximately 1,200 m were drilled between the 17 and 18 Zones to test the southern contact of the diorite with mafic volcanics and any silicified zones within the diorite. Several gold intercepts were previously noted along the southern diorite/mafic volcanic

contact such as the 4.65 g/t Au over 2 m within drill hole 101-72. In addition, a few silicified mineralized intercepts were previously detected within the diorite as in drill hole 87-63, which returned 27.53 g/t Au over 3.05 meters.

During the same year, six (6) LR series drill holes (LR97-1 to 6) returned disappointing results with the best value being 0.97 g/t Au over 1.3 m in drill hole LR97-1. Only one intersection in these holes returned values above 300 ppb (i.e. 464 ppb Au over 2.6 m also in hole LR97-01). In addition, two drill holes in 1997 (BUL97-6 and BUL97-7) for 457 meters tested targets N and E of the Zone 18 with negative results. Two other holes (BUL97-8 and BUL97-9) for an approximate 416 meters tested an IP anomaly in the southern portion of the Rouleau Block north of, and parallel to the Xemac showing (today named Gladiator (Bonterra Resources)). It is reported the drill holes intersected a 10 feet wide zone of quartz-tourmaline veining with 1-10% pyrite, (A. Fournier, internal memorandum dated Sept 26, 1997 to R. Schafer). Unfortunately, assays for these intervals returned an unimpressive 645 ppb Au over 0.46 m at 72.02 meters in drill hole BUL97-8, and 404 ppb Au over 2.74 meters at 76.69 meters in drill hole BUL97-9 with a nearby sample returning 1.33 g/t Au over 0.39 meters at 81.71 meters.

In 1998, Beaufield drilled 3 additional drill holes for 722.78 meters. Drill Hole LR98-01 was targeted at the Zone 18 to test a previously undrilled portion that could not be readily accessed because the claims immediately north of the Zone 18 were previously held by Cominco. Assay results were low. The other two 1998 drill holes tested the No. 1 and No. 4 Showings and returned disappointing results. LR98-03 tested the No.1 Showing and returned only values below 100 ppb gold while drill hole LR98-02 tested the No. 4 Showing and returned a high of 595 ppb Au over 1.44 m from sheared intermediate volcanics with three minor quartz veins.

In addition to the Falconbridge Gold (Kinross) / Beaufield drilling, a number of drill holes were previously drilled by Cominco on ground formerly north of the Jason Rouleau claims and currently part of the Rouleau Property in area known as Tourmaline Ridge. Most of these claims are well north of the Zones 17 and 18 and did not encounter any significant values. The best value comes from Cominco drill hole UR98-3. This drill hole was targeted to test an IP anomaly associated with sericite alteration within felsic schist and intersected 0.45% Zn over 4.9 meters including 0.79% Zn over 1.7 meters. No significant gold values appear to be associated with the values.

Several companies (Rouleau Mines (1938-39), Honsberger-Stee Group (1947), Shell (1978), Matagami Lake Exploration (1980) and Kerr-Addison have explored the area to the west of Rouleau Lake since 1939 for gold and base metals. Kerr-Addison (later Minnova Inc.) did the most extensive work from 1985 to 1992. In 1985, an Aerodat airborne electromagnetic and magnetic survey covered the area west of Rouleau Lake. From 1986 to 1990, line cutting, ground geophysics including mag, HLEM and IP, geological mapping, trenching with sampling and 18 diamond drill holes were completed. A gold showing (Quesnel showing) was discovered and several drill holes intersected gold in the western extension of the Zone 17 and anomalous base metals further west.

In 2006, Beaufield undertook line cutting and ground magnetometer surveys in the northwestern and north parts of the Rouleau block. Three (3) grids were completed which helped defined several faults and geological contacts on this portion of the property.

From 2003 to 2011, Alto Ventures completed several exploration campaigns on their property named Alcudia covering a part of the Northwestern area of the current Rouleau block. Ground prospecting, MaxMin, magnetometer and IP surveys were followed up with eleven (11) drill holes totalling 1,688 meters were completed. The best value obtained was 0.23 g/t Au over 1.0 m in the drill hole ALC11-02.

In 2010, Beaufield's new earn-in partner Exploration Amseco undertook, as operator, a detailed airborne magnetometer survey of the entire block except for a small portion in the south. This was followed up in 2011 with a ground geophysical (mag and IP) survey over most of the lower half of the block and also completed six (6) drill holes in the Zone 18 to verify the extension of the mineralization between 150 and 300 meters below surface. Best values obtained were in drill hole RL11-05 3.45 g/t Au over 3 m and drill hole RL11-01 4.01 g/t Au over 1.33 m, 4.59 g/t Au over 1.15 m, 1.71 g/t Au over 1 m and 1.99 g/t Au over 1 m.

In 2012, Amseco completed a drilling program in the southwest part of the Rouleau Lake area. Nine (9) drill holes totalling 2,213.54 m were completed. Best values were 0.99 g/t Au over 1.0 m (LR-12-01), 2.1 g/t Au over 0.3 m (LR-12-04) and 1.71 g/t Au over 1.0 m (LR-12-05).

Drill hole ID	Easting (UTM NAD83 Zone 18)	Northing (UTM NAD83 Zone 18)	Elevation (m)	Azimuth	Dip	Length (m)	Year
BRL-17-01	457730	5430818	399	165	-50.0	120.00	2017
BRL-17-02	457640	5430940	398	175	-75.0	507.00	2017
BRL-17-03	457629	5430812	399	165	-70.0	189.00	2017
BRL-17-04	457522	5430796	400	165	-70.0	150.00	2017
BRL-17-05	457344	5430777	400	168	-65.0	249.00	2017
BRL-17-06	457006	5430519	392	342	-45.0	99.00	2017
BRL-17-07	456856	5430716	398	345	-45.0	150.00	2017
BRL-17-08	456920	5430733	398	165	-50.0	207.00	2017
BRL-17-09	456383	5430600	391	165	-45.0	111.00	2017
BRL-17-10	457575	5430829	399	170	-60.0	204.00	2017
BRL-17-11	457575	5430829	399	165	-67.0	195.00	2017
BRL-17-12	457765	5430874	398	165	-45.0	150.00	2017
BRS-17-01	456288	5428521	394	340	-45.0	411.00	2017
BRS-17-02	456403	5428436	397	340	-45.0	69.00	2017
BRS-17-02A	456403	5428440	397	340	-45.0	25.43	2017
BRS-17-02B	456408	5428436	397	340	-45.0	198.00	2017
BRS-17-03	456544	5428440	401	330	-45.0	279.00	2017
BRS-17-04	456683	5428442	390	342	-45.0	375.60	2017
BRS-17-05	456890	5428437	397	335	-45.0	440.30	2017
BRS-17-06	457178	5428430	399	338	-45.0	381.00	2017
BRS-17-07	457487	5428435	400	337	-45.0	428.00	2017
BRS-17-08	457487	5428435	400	340	-70.0	46.00	2017
BRS-17-08A	457487	5428435	400	335	-70.0	309.00	2017
BRS-17-09	457781	5428476	413	340	-50.0	429.00	2017
BRS-17-10	457816	5429035	399	333	-50.0	549.00	2017
BRS-17-11	457828	5429104	410	160	-50.0	474.00	2017
BRS-17-12	457811	5428949	410	335	-50.0	15.00	2017
BRS-17-12A	457811	5428949	410	327	-54.0	204.00	2017
BRS-17-13	456959	5428652	400	340	-50.0	132.00	2017
BRS-17-14	457122	5428837	401	340	-50.0	195.00	2017

Table 3 - Historical diamond drill hole technical parameters of Lac Rouleau Block

Drill hole ID	Easting (UTM NAD83 Zone 18)	Northing (UTM NAD83 Zone 18)	Elevation (m)	Azimuth	Dip	Length (m)	Year
BRS-17-15	456949	5429068	405	345	-48.0	180.00	2017
BUET-17-01	452704	5433090	404	180	-55.0	204.00	2017
BUET-17-02	453271	5432751	411	354.7	-66.0	186.00	2017
BUET-17-03	453182	5433183	412	188	-55.0	186.00	2017
BUET-17-04	453119	5432228	413	135	-45.0	597.00	2017
BUET-17-05	453549	5432927	395	22	-45.0	582.00	2017
BUET-17-06	453547	5432924	396	90	-45.0	229.30	2017
5021 27 00		0.0101		50		220.00	2017
BR-16-01	455125	5427550	395	125	-45.0	765.00	2016
BR-16-02	455123	5427553	394	90	-45.0	394.00	2016
BR-16-03	455116	5427546	395	180	-45.0	886.00	2016
BR-16-04	454966	5427733	400	180	-45.0	168.00	2016
BR-16-05	455606	5429044	404	360	-45.0	174.00	2016
BRL-16-01	457199	5430676	400	165	-45.0	102.00	2016
BRL-16-02	457387	5430742	400	165	-45.0	84.00	2016
BRL-16-03	457386	5430741	400	165	-75.0	126.00	2016
BRL-16-04	457429	5430750	400	165	-45.0	96.00	2016
BRL-16-05	457429	5430750	400	165	-70.0	129.00	2016
BRL-16-06	457479	5430761	400	165	-45.0	96.00	2016
BRL-16-07	457479	5430761	400	165	-75.0	120.00	2016
BRL-16-08	457528	5430771	400	165	-45.0	84.00	2016
BRL-16-08A	457528	5430771	400	165	-45.0	15.00	2016
BRL-16-09	457528	5430771	400	165	-75.0	123.00	2016
BRL-16-10	457573	5430770	400	170	-45.0	81.00	2016
BRL-16-11	457573	5430770	400	169	-75.0	123.00	2016
BRL-16-12	457683	5430798	399	165	-45.0	120.00	2016
LB-12-01	454689	5426790	374	150	-50.0	210.00	2012
LR-12-01	456402	5430475	388	167	-50.0	399.00	2012
LR-12-02	455955	5430367	391	150	-50.0	351.00	2012
LR-12-03	455977	5430086	391	347	-60.0	291.00	2012
LR-12-04	455885	5430060	390	348	-60.0	282.00	2012
LR-12-05	456530	5429970	389	345	-50.0	402.00	2012
LR-12-06	456870	5428768	390	1	-50.0	128.54	2012
LR-12-07	454400	5429537	390	346	-50.0	120.00	2012
LR-12-08	454201	5428496	398	346	-50.0	123.00	2012
LR-12-09	453618	5428682	389	346	-50.0	117.00	2012
ALC11-01	455177	5434351	300	120	-50.0	126.01	2011
ALC11-02	455112	5434674	300	180	-50.0	150.15	2011
ALC11-03	455010	5434175	300	360	-55.0	150.00	2011
ALC11-04	455586	5433774	300	360	-50.0	150.00	2011
ALC11-05	455802	5434048	300	360	-50.0	134.00	2011
ALC11-06	455817	5434048	400	180	-50.0	135.00	2011
ALC11-07	456004	5434158	300	360	-50.0	164.86	2011
ALC11-08	455910	5434732	300	360	-50.0	180.01	2011
ALC11-09	455910	5434870	300	360	-50.0	174.01	2011
ALC11-10	455910	5434994	300	360	-50.0	174.01	2011
ALC11-11	455903	5434025	300	0	-50.0	150.00	2011
RL11-01	457688	5430679	400	346	-55.0	252.00	2011
RL11-02	457713	5430577	399	346	-50.0	363.00	2011
RL11-03	457689	5430569	399	346	-60.0	450.00	2011
RL11-04	457643	5430558	399	346	-60.0	434.00	2011
RL11-05	457616	5430549	399	346	-50.0	400.00	2011
			400	346	-55.0	51.00	2011

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Drill hole ID	Easting (UTM NAD83 Zone 18)	Northing (UTM NAD83 Zone 18)	Elevation (m)	Azimuth	Dip	Length (m)	Year
BFRL 401	457560	5430782	400	165	-45.0	70.00	2004
BFRL 402	457563	5430774	400	165	-45.0	60.00	2004
BFRL 403	457565	5430765	400	165	-90.0	41.00	2004
BFRL 404	457568	5430755	400	165	-90.0	42.00	2004
BFRL 405	457585	5430790	400	165	-45.0	71.00	2004
BFRL 406	457575	5430829	380	165	-45.0	132.00	2004
BFRL 407	457606	5430806	400	165	-45.0	92.00	2004
BFRL 408	457631	5430812	384	165	-45.0	112.00	2004
BFRL 409	457625	5430837	400	165	-45.0	151.00	2004
BFRL 410	457531	5430798	400	165	-45.0	93.00	2004
			I				
LR98-01	457531	5430890	399	165	-50.0	209.40	1998
BUL97-06	461440	5432640	400	165	-50.0	228.58	1997
BUL97-07	459830	5431590	400	165	-45.0	227.67	1997
LR97-01	457357	5430501	402	350	-60.0	275.00	1997
LR97-02	457287	5430469	400	350	-60.0	250.00	1997
LR97-03	457214	5430442	398	0	-90.0	1.00	1997
LR97-04	457149	5430414	396	350	-50.0	200.00	1997
LR97-05	457417	5430527	404	350	-50.0	200.00	1997
LR97-06	457074	5430383	396	0	-90.0	1.00	1997
BUL97-10	454917	5427840	394	150	-45.0	228.59	1997
BUL97-11	454848	5427753	395	150	-55.0	182.87	1997
BUL97-12	454812	5427607	395	150	-50.0	182.87	1997
BUL97-13	454912	5427649	394	150	-50.0	182.87	1997
BUL97-14	454671	5427146	397	150	-50.0	182.87	1997
BUL97-15	454861	5427225	395	150	-50.0	182.87	1997
BUL97-16	454823	5427081	396	150	-50.0	182.87	1997
UB-1	452420	5429017	394	335	-45.0	150.00	1997
UB-2	452464	5428923	394	335	-45.0	135.00	1997
UB-3	452503	5428824	396	335	-45.0	150.00	1997
UB-4	452566	5428697	397	335	-45.0	165.00	1997
UB-5	452609	5428606	397	335	-45.0	165.00	1997
UB-6	452650	5428515	395	335	-45.0	114.00	1997
UB-11	450385	5430162	395	335	-45.0	150.00	1997
08-11	450385	5430102	333	333	-43.0	150.00	1997
	457000	5400400		2.45	60.0	107.00	1000
B-1	457889	5430493	404	345	-60.0	107.00	1990
B-1A	457889	5430493	404	345	-60.0	359.00	1990
B-1B	457889	5430493	404	345	-60.0	698.00	1990
B-2	457052	5430598	397	345	-63.0	247.00	1990
B-3A	457889	5430493	404	344	-54.0	402.00	1990
B-3B	457889	5430493	404	344	-54.0	579.00	1990
ROU-90-10	457875	5429580	412	180	-45.0	166.00	1990
ROU-90-8	457768	5429583	411	180	-60.0	242.00	1990
ROU-90-9	457672	5429570	411	180	-45.0	203.00	1990
LR-89-01	456529	5429588	396	330	-50.0	230.01	1989
LR-89-02	455982	5429728	412	8	-50.0	187.01	1989
LR-89-03	454761	5429581	401	150	-50.0	203.01	1989
LR-89-04	455111	5429711	402	150	-50.0	165.01	1989
LR-89-05	454558	5429907	396	150	-50.0	212.01	1989
LR-89-06	455608	5429943	399	150	-50.0	204.01	1989
LR-89-07	455944	5429999	400	150	-50.0	134.01	1989
LR-89-08	455854	5430337	394	150	-67.0	361.01	1989

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Drill hole ID	Easting (UTM NAD83 Zone 18)	Northing (UTM NAD83 Zone 18)	Elevation (m)	Azimuth	Dip	Length (m)	Year
ROU-88-1B	459587	5431282	393	180	-53.5	195.00	1989
ROU-89-6	458916	5431487	393	180	-45.0	202.00	1989
ROU-89-7	458915	5431312	393	180	-45.0	165.00	1989
UR-89-3	454761	5431955	396	180	-45.0	220.00	1989
UR-89-4	454509	5431609	394	360	-50.0	203.00	1989
UR-89-5	454116	5431589	395	180	-50.0	161.00	1989
UK-89-5	454116	5431589	395	180	-50.0	161.00	1989
101-100	457801	5430622	403	345	-60.0	367.00	1988
101-101	457981	5430310	410	360	-50.0	353.00	1988
101-102	457790	5430259	409	345	-50.0	326.00	1988
101-103	457775	5430523	404	345	-60.0	506.00	1988
101-103A	457775	5430523	404	345	-55.0	530.00	1988
101-66	457642	5430652	402	345	-55.0	302.00	1988
101-67	457593	5430621	403	345	-50.0	248.00	1988
101-68	457713	5430595	403	345	-63.0	455.60	1988
101-69	457618	5430550	404	345	-60.0	484.00	1988
101-70	457713	5430595	403	345	-50.0	320.00	1988
101-71	457749	5430636	402	345	-55.0	283.00	1988
101-72	457562	5430563	404	345	-55.0	403.00	1988
101-73	457738	5430684	402	345	-50.0	160.00	1988
101-74	457817	5430574	404	345	-60.0	445.80	1988
101-75	457503	5430588	404	345	-52.0	329.00	1988
101-76	457520	5430525	404	345	-60.0	472.90	1988
101-77	458163	5429759	398	190	-52.0	310.00	1988
101-78	458088	5430716	397	345	-52.5	322.00	1988
101-79	458267	5429760	395	180	-52.0	305.00	1988
101-80	457807	5431012	395	165	-52.0	323.00	1988
101-81	458069	5429761	401	180	-52.0	301.00	1988
101-82	457771	5430108	410	180	-52.0	344.10	1988
101-83	457689	5430465	406	345	-60.0	524.00	1988
101-85	457777	5429893	409	180	-52.0	440.00	1988
101-85	457606	5430392	407	345	-60.5	745.50	1988
101-85	456621	5429608	397	345	-52.0	293.00	1988
101-80	457292	5430417	397	345	-52.0	461.00	1988
101-87							1988
	457653	5431011	396	165	-60.0	413.00	
101-89	458147	5430129	407	360	-49.5	455.00	1988
101-90	457988	5430718	398	345	-50.0	344.00	1988
101-91	457478	5430664	403	345	-58.0	223.00	1988
101-92	457503	5430588	404	345	-60.0	357.00	1988
101-93	458267	5429760	395	360	-50.0	309.00	1988
101-94	458667	5430073	392	180	-50.0	290.00	1988
101-95	458198	5431102	392	360	-50.0	329.00	1988
101-96	458469	5430997	392	360	-50.0	299.00	1988
101-97	457593	5431262	394	360	-50.0	368.00	1988
101-98	458387	5431495	393	180	-50.0	233.00	1988
101-99	457892	5431407	392	360	-50.0	291.00	1988
KUB-88-10	455745	5430275	394	150	-50.0	153.00	1988
KUB-88-11	455797	5430197	395	150	-50.0	170.00	1988
KUB-88-12	455539	5430376	394	150	-50.0	239.00	1988
KUB-88-13	455947	5430302	394	150	-50.0	167.00	1988
KUB-88-14	455947	5430302	394	150	-63.0	243.00	1988
KUB-88-15	455878	5430263	394	150	-45.0	230.00	1988
KUB-88-16	455878	5430263	394	150	-63.0	230.00	1988
KUB-88-17	456296	5430405	395	150	-50.0	160.00	1988
KUB-88-18	455947	5430302	394	150	-60.0	272.00	1988
KUB-88-19	455854	5430113	396	150	-50.0	215.00	1988

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Drill hole ID	Easting (UTM NAD83 Zone 18)	Northing (UTM NAD83 Zone 18)	Elevation (m)	Azimuth	Dip	Length (m)	Year
ROU-88-2	459189	5431188	393	180	-46.0	193.00	1988
		0.01200		200		100.00	1000
87-15	457275	5430105	400	180	-50.0	229.00	1987
87-15	457176	5430380	397	130	-50.0	229.00	1987
87-10	456798	5430704	397	1/0	-50.0	404.00	1987
87-17	457554	5430793	400	165	-50.0	254.00	1987
87-18	457478	5430664	400	345	-30.0	203.00	1987
87-32	457524	5430686	403				1987
				345	-45.0	193.00	
87-34 87-35	457676 457616	5430717 5430737	401 401	345 345	-45.0 -45.0	145.00	1987 1987
						115.00	
87-36	457547	5430697	402	345	-60.0	217.00	1987
87-37	457590	5430721	401	345	-60.0	108.00	1987
87-38	456711	5430645	395	165	-45.0	188.00	1987
87-39	456784	5430632	396	165	-50.0	230.00	1987
87-40	456892	5430690	396	165	-50.0	165.32	1987
87-41	456827	5430641	396	165	-50.0	214.00	1987
87-42	456851	5430626	396	165	-45.0	155.00	1987
87-43	456773	5430603	395	165	-45.0	227.00	1987
87-44	457429	5430636	403	345	-45.0	251.00	1987
87-45	457344	5430777	400	165	-45.0	196.50	1987
87-46	457295	5430757	400	165	-45.0	164.00	1987
87-47	457242	5430743	400	165	-45.0	111.00	1987
87-48	457741	5430968	396	165	-45.0	269.00	1987
87-49	457090	5430722	400	165	-45.0	147.30	1987
87-50	456996	5430698	398	165	-45.0	239.00	1987
87-51	457586	5430651	403	345	-45.0	200.00	1987
87-52	457586	5430651	403	345	-60.0	344.00	1987
87-53	457642	5430652	402	345	-45.0	242.00	1987
87-54	457642	5430652	402	325	-60.0	328.00	1987
87-55	457524	5430686	402	345	-55.0	179.00	1987
87-56	457524	5430686	402	345	-70.0	308.00	1987
87-57	456798	5430704	396	165	-60.0	325.00	1987
87-58	456851	5430626	396	165	-70.0	206.00	1987
87-59	456851	5430626	396	165	-80.0	335.00	1987
87-60	456773	5430603	395	165	-75.0	248.00	1987
87-61	456892	5430690	396	165	-60.0	294.00	1987
87-62	456798	5430704	396	165	-70.0	385.00	1987
87-63	457524	5430686	402	345	-80.0	412.00	1987
87-64	457676	5430717	401	345	-65.0	172.00	1987
87-65	457676	5430717	401	345	-80.0	419.00	1987
KUB-86-4	455415	5430170	396	150	-50.0	135.94	1986
KUB-86-5	455734	5429489	405	150	-50.0	138.99	1986
KUB-86-6	455874	5429266	412	330	-50.0	148.13	1986
		1	1	1	1	1	
MB-83-08	456774	5434647	400	150	-45.0	103.60	1983
1112 03 00	19077	5151017	100	100	15.0	100.00	1303
7515 70 6	155770	E 420009	401	100		02.00	1079
7515-78-6	455779	5429908	401	180	-55.0	92.00	1978

Table 4 - Historical Exploration Work carried out on the current limit of Lac Rouleau Block Property

Year	Mining Holder	Activity	Reference / statutory works
2012	Exploration Amseco Ltée	Diamond drilling program (Exploration holes SW of Zones 17 & 18, DDH LR 12-01 to 09).	Internal
2011	Alto Ventures Ltd	Diamond drilling program (former Alcudia Property, DDH ALC11-01 to 11).	GM 65661
2011	Exploration Amseco Ltée	Diamond drilling program (Lac Rouleau Block, DDH RL 11-01 to 06).	GM 66677
2011	Alto Ventures Ltd / Gérard Lambert Géosciences	Ground magnetometer and MaxMin-II Horizontal Loop E.M. Surveys (Alcudia Project). Northwest part of the current Lac Rouleau Block of the Urban Property.	GM 65660
2011	Exploration Amseco Ltée / P. Boileau Geophysicist	Soil geophysical surveys (Mag & IP Res.) (AEL-BFD Lac Rouleau Project).	GM 65948
2011	Exploration Amseco Ltée / P. Boileau Geophysicist	Soil geophysical surveys (Mag & IP Res.) (AEL-BFD Lac Rouleau Project).	GM 65960
2011	Exploration Amseco Ltée / P. Boileau Geophysicist	Soil geophysical surveys (Mag & IP Res.) (AEL-BFD Lac Rouleau West Project).	GM 65980
2011	Exploration Amseco Ltée / P. Boileau Geophysicist	Soil geophysical surveys (Mag & EMH) (AEL-BFD Lac Rouleau North Project).	GM 66175
2010	Beaufield Resources Inc.	2008 Exploration Work Report on the Lac Rouleau Property.	GM 64997
2007	Stellar Pacific Ventures Inc. / P. Boileau Geophysicist	Ground Magnetic Survey on the Stellar-Urban Property (Northeast part of the current Lac Rouleau Block of the Urban Property).	GM 64328
2006	Beaufield Resources Inc. / Geotest Corporation.	Ground Magnetic Field Survey on the Lac Rouleau North Property.	GM 63181
2006	Alto Ventures Ltd	Trenching program on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 62740
2005	Breakaway Exploration Management Inc. / Glacier Gems Inc. / Amador Gold Corp.	Exploration Work on Magnum Property. (Southwest part of the current Lac Rouleau Block of the Urban Property).	GM 61966
2004	Alto Ventures Ltd	Geological mapping and prospecting program on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 61592
2004	Beaufield Consolidated Resources Inc. / Abitibi Geophysics	Magnetic Field Survey on the Bailly Township Lac Rouleau Area.	GM 60867
004	Beaufield Consolidated Resources Inc. / Abitibi Geophysics	Magnetic Field Survey on the Bailly Township Lac Rouleau Area.	GM 61524
2004	Ressources Unifiées Beaufield Inc.	Urban-Barry Property diamond drilling program (Lac Rouleau Block, DDH BFRL 401 to 410).	GM61527
2003	Alto Ventures Ltd	Exploration program (linecutting, VLF-EM Survey & field investigation) on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 59991
2003	Alto Ventures Ltd / Géola Conseil en Exploration	Electromagnetic VLF Survey on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 59992
2003	Beaufield Consolidated Resources Inc. / Gérard Lambert Géosciences	Magnetometric Surveys on Lac Rouleau Property.	GM 61526
1999	Alto Industries Inc. / Géola Conseil en Exploration	Induced Polarization (IP) Survey on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 56345
1997	Alto Industries Inc. / Géola Conseil en Exploration	Magnetic Survey on Alcudia Property. (Northwest part of the current Lac Rouleau Block of the Urban Property).	GM 54615
1997	Explorations Carat Inc. / Val-d'Or Sagax	Magnetic Survey on Block 43 Project (North part of the current Lac Rouleau Block of the Urban Property).	GM 54713
1997	Kinross Gold Corporation	Lac Rouleau Property diamond drill program, DDH BUL97-01 to BUL97-07.	GM 54713 GM 56118
1996	Ressources Unifiées Oasis Inc. / Ressources Orient Inc. / Val-d'Or Sagax	Soil Geophysical Surveys on Urban-Barry Property. (South part of the current Lac Rouleau Block of the Urban Property).	GM 54390
1990	Beaufield resources Inc. / Metcalf and Associates Ltd.	Drilling program on Lac Rouleau Property (DDH B1 to B3).	GM 49630
1989	Minnova Exploration Inc. / Beaufield Resources Inc. J.V.	Diamond drilling program (Lac Rouleau Block, DDH LR-89-01 to DDH LR-89-08).	GM49060
1989	Minnova Inc.	Geological mapping on Lac Rouleau Property	GM 49567
1989	Cominco Ltd / Agnico Eagle J.V.	Soil Geochemistry on Rouleau Property - North and South zones.	GM 48889
1989	Falconbridge Ltd / Géola Conseil en Exploration	Geophysical Surveys - Hem & Mag - on the Lac Rouleau East Block.	GM 49036
1989	Falconbridge Ltd / Beaufield Resources Inc. J.V.	Exploration Program on the Lac Rouleau East Block.	GM 49193
1988	Kerr Addison Inc.	Diamond drilling program (Lac Rouleau Block, KUB-88-10 to kub-88-19).	GM 48334
1988	Falconbridge Ltd / Beaufield Resources Inc. J.V.	Diamond drilling program (Lac Rouleau Block, DDH 101-89 to DDH 101-103).	GM 48282
1988	Falconbridge Ltd / Dighem Surveys & Processing Inc.	Dighem III Survey on the Lac Barry Project (cover north and south part of the current Lac Rouleau Block of the Urban Property).	GM 47330

Year	Mining Holder	Activity	Reference / statutory works
1988	Marineau Property	Geological Report on the Marineau Property (at the center of the current Lac Rouleau Block of the Urban Property.	GM 47464
1988	Falconbridge Ltd / Val-d'Or Geophysics.	Magnetic Survey on the Lac Rouleau Property.	GM 47490
1988	Falconbridge Ltd.	Field Work on the Lac Rouleau Property.	GM 47491
1988	Cominco Ltd.	IP, VLF-EM & Magnetic Surveys on the Rouleau & Macho River Properties.	GM 47692
1988	Kerr Addison Exploration / Val-d'Or Geophysics.	Geophysical Survey on the Lac Rouleau Property.	GM 47695
1987	Société en commandite Explorations Kery / Edwin Gaucher & associés	MaxMin, Induced Polarization and Magnetometer Surveys on the Lac Rouleau "A" Property.	GM 44591
1987	Falconbridge Ltd / Val-d'Or Geophysics.	Magnetic Survey on the Lac Rouleau Block.	GM 44602
1987	Falconbridge Ltd / Philip G. Hallof Geophysicist	Induced Polarization & Resistivity Survey on the Lac Rouleau Project.	GM 44603
1987	Cominco Ltd.	Geophysical Surveys on the Lac Rouleau Claim Group.	GM 46286
1986	Kerr Addison Inc.	3 DDHs totalling 396.24 m	GM 45089
1986	Cominco Ltd.	Assessment Report on Macho project and Lac Rouleau Property.	GM 44396
1983	Kidd Creek Mines Ltd.	Geophysical Survey on the Lac Rouleau Grid (Lac Rouleau Project).	GM 40580
1983	Kidd Creek Mines Ltd.	Geophysical Survey on the Claim Group No. 2 (Lac Rouleau Project).	GM 40581
1969	Quebec Natural Resources Ministry	Deposit File (Lac Rouleau).	GM 25274
1909			0101 23274
1966	Fab Metal Mines Ltd	Magnetometer Survey (northeast part of the current Lac Rouleau Block of the Urban Property).	GM 18258
1965	Fab Metal Mines Ltd	Summary reports of properties owns by Fab Metal including two properties on Lac Rouleau Block of the Urban Township.	GM 17075
1947	Honsberger - Stee	Summary Report of a group of claims surrounding Lake Rouleau.	GM 21698
1947	Honsberger - Stee	Geological Report of a group of claims surrounding Lake Rouleau.	GM 07192
1947	Honsberger - Stee	Summary description of Lake Rouleau Property	GM 21697
1947	Honsberger - Stee	Summary of the discovery of Lac Rouleau Gold showing by Rouleau Mines Limited.	GM 21696
	·		·
1939	Rouleau Mines Limited / Megiscane Mining Corporation	Gold sampling report in the vicinity of Lake Rouleau.	GM 10546
1939	Rouleau Mines Limited / Megiscane Mining Corporation	Magnetic survey.	GM 13720
1938	Rouleau Mines Limited / Megiscane Mining Corporation	Preliminary Report on a claim block own by Rouleau Mines Limited.	GM 06013
1938	Rouleau Mines Limited / Megiscane Mining Corporation	Preliminary Report on the Lac Barry Property own by Rouleau Mines Limited.	GM 06013 GM 10545
1930	Rouleau Wines Limiteu / Megiscane Winning Coliporation		GIVI 10545

# 7.0 GEOLOGICAL SETTING

# 7.1 REGIONAL GEOLOGY

Summary of: Stratigraphic Revision of the Urban-Barry Belt, Rhéaume, Bandyayera, RP 2006-08A.

The Urban-Barry Belt which is located in the SE portion of the northern volcanic Zone of the Abitibi Subprovince is the host of several types of gold mineralization. Three promising deposits are located in the area such as the Windfall Deposit with Lynx Zone from Osisko Mining, the Barry Gold Deposit from Metanor, the Gladiator Deposit from Bonterra and the Souart-Nubar Deposit also from Osisko Mining (Figure 5).

The Belt is composed of imbricated structural blocks emplaced by NNW directed thrusting. The age of the volcanic rocks that makes up the structural blocks increases progressively from the north (2707 Ma) to the south (2791 Ma). These units are cut by the EW to ENE-WSW direction faults on which an oblique thrust motion of the SE to NW occurs.

The main recognized volcanic units are, from NNW to SSE, the Urban, Macho, Chanceux, Lacroix and Fecteau formations. The temporal succession of geodynamic settings inferred for these units suggests a relatively complete Wilson Cycle. The cycle comprises the formation of pre-Abitibi basement consisting of ancient volcanic rocks (Fecteau Formation, 2791 Ma), the opening of an ocean basin and the formation of oceanic crust with the periodic development of island arcs between 2730 and 2707 Ma and the closing and imbrication of this basin during the Kenoran Orogeny. The predominant mafic and intermediate volcanic rocks of the Fecteau Formation are the oldest sequences: They are comparable in age to certain greenstone belts of the Opatica Subprovince. The onset of rifting was marked by the eruption of komatiites (Lacroix Formation) and possibly by the intrusion of carbonatites (Lacroix carbonatite), suggesting the involvement of a mantle plume in the opening of the Northing Volcanic Zone. The younger units, ranging in age from 2727 to 2707 Ma, may represent the formation of island arcs on typical Northing Volcanic Zone oceanic crust.

The most recent studies by the MRNQ (2006) permitted to subdivide the volcanic and sedimentary rocks in five (5) major lithostratigraphic units named Formation (Fecteau, Lacroix, Chanceux, Macho and Urban). These units differ from each other by their age, their lithogeochemical signature, the presence of certain key facies such as glomeroporphyritic lavas or komatilites as well as the relative proportions of the various host lithologies.

The Fecteau formation, which is the oldest unit of the Urban-Barry Belt, is mainly composed of 45% tholeiitic basalt, less than 1% of syn-volcanic gabbro, 40% tuffs of andesitic or andesitic-basaltic composition of transitional affinity, 15% felsic tuffs of dacitic composition or rhyolitic to calc-alkaline to transitional affinity and less than 1% sandstone sediments.

The Lacroix formation consists of 8% komatiites, 90% komatiitic or tholeiitic glomeroporphyritic basalts and 2% calco-alkaline andesitic tuff to transitional.

The Chanceux formation is mainly composed of greywackes, mudstones and tuffs. The

greywackes, sometimes magnetite rich, are laminar or massive, often grano-classified and crossed laminated. Their chemical composition are similar to the mafic, intermediate, and felsic volcanic rocks and are particularly abundant between the Barry and St-Cyr faults and to the southwest of the Chanceux Lake. These sediments are not visible on surface (thick overburden) but were observed from diamond drill hole cores. The formation also contains thin, stratabound packages of aphyric or porphyritic basalt of tholeiitic affinity, syn-volcanic gabbro, rhyodacitic or rhyolitic tuffs of calc-alkaline affinity.

The Macho formation consists of volcanic rocks, mainly mafic, located between the Milner fault to the north and the St-Cyr fault to the south. Most recent studies on the chemical composition of rocks highlighted the insular character of this unit which was not apparent in previous work. This Formation consists of 3% tholeiitic glomeroporphyritic basalt, 90% basalt, andesite, and basaltic andesite of transitional arc islands affinity, 2% synvolcanic gabbro, and less than 1% felsic volcanics calc-alkaline, medium to fine sediments, massive sulphides and metasomatic rocks.

The Macho Formation contains two separate lithostratigraphic units; The Windfall Member and the Rouleau Member, both established by Bandyayera et al. in 2002.

The Windfall Member, which andesitic rocks are originally located at the base of the Member, is now assigned to the Macho Formation. Within the Windfall Member, the following units are now recognized: *Awin1* which consists of dacite, rhyodacite and calco-alkaline trachyandesite, *Awin2* which consists of tuffs and tholeiitic felsic lavas, *Awin3* which is a calcalkaline subvolcanic, quartzo-feldspathic porphyry and tholeiitic Complex and *Awin4*, which includes porphyritic andesites of tholeiitic to transitional affinities, tholeiitic and andesitic tuffs and iron formations.

The Rouleau Member was mainly investigated using diamond drill core. It is mainly composed of calc-alkaline to transitional andesitic or andesitic-basaltic composition lapilli to blocky tuffs and is locally interspersed by arc islands tholeiitic basalts or by ocean floor basalts as well as mudstones.

Of all the Formations belonging to the Urban-Barry Belt, the Urban Formation is the largest, extending over 125 km from Lake Wilson (N.T.S. 32F01) to Lake Roy (N.T.S. 32G02). It consists of 95% tholeiitic glomeroporphyritic basalt followed by minor amounts of synvolcanic gabbro, felsic volcanics, and sediments.

The Urban Formation contains two important felsic members: The Novellet Member, dated at 2714 Ma, which includes rhyodacites and transitional rhyolites to Calc-Alkaline and Freeman Member, dated at 2707 Ma and consisting of rhyodacites and calc-alkaline rhyolites.

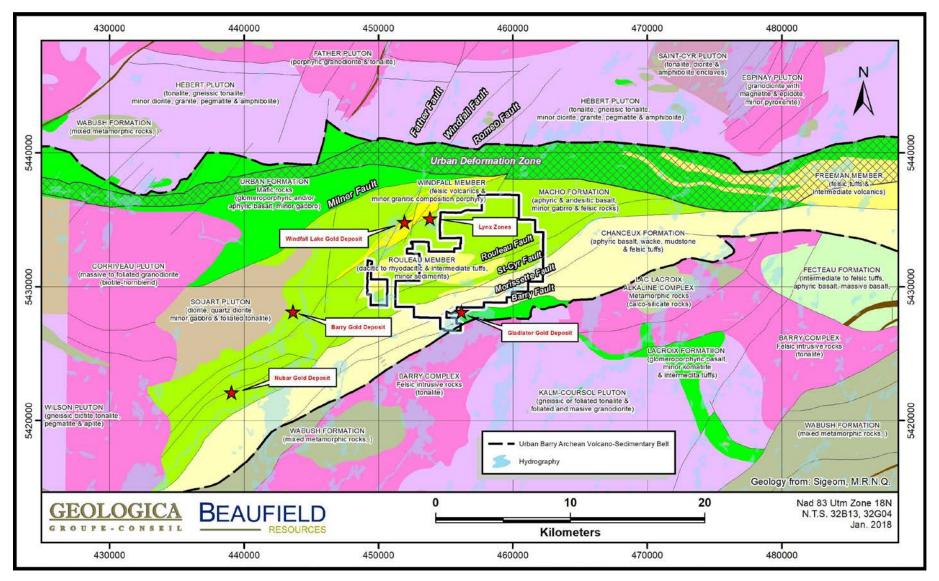


Figure 5 - Regional Geology

# 7.2 PROPERTY GEOLOGY

Rocks underlying the Property consist of ENE striking and steeply dipping aphyric basalts intruded by gabbro sills or masses of the Macho formation (Figure 6 and Figure 7). Two thin but laterally extended units of felsic tuffs and possibly lavas occur in the area of Lac Rouleau. The southernmost unit is closely associated with a major clastic graphitic sedimentary unit which corresponds to the Morissette Fault.

The rocks are weakly to strongly deformed by folding and faulting. A major syncline (Urban syncline) crosses the northern part of the Property where an ovoid low magnetic zone of 4 km long by 2.5 km wide is indicated. This low magnetic zone is believed to be caused by a buried granitoid or quartz-feldspar porphyry (Bandyayera et al., 2002).

Four shear zones or faults cut the rock units of the property from south to north: the Barry, Morissette, St-Cyr and Rouleau faults which are associated with induced polarization (IP) anomalies and/or magnetic imprints.

### 7.3 MINERALIZATION

## 7.3.1 Rouleau Fault

The Rouleau Fault is the host of the Rouleau Member and the Macho Formation. The fault plane is nearly vertical and crosses Lake Rouleau in an ENE/WSW direction. It is 20 to 40 metres wide and has been traced over a drill indicated length of 2.5 km. Its strike length could be much more extensive as suggested by a series of Input anomalies. The Rouleau fault area is also the host to at least three auriferous mineralized zones (Zones 14, 17 and 18).

Host rocks are moderately to strongly altered and deformed felsic tuff and lava units with minor intercalated mudrock and rarely graphitic sediments. Silicification, carbonatization and sericitization are the most common alterations with minor sulphides (Figure 8).

## 7.3.2 Zone 14

The Zone 14 is located west of Lake Rouleau and was discovered by drilling by Kerr Addison in 1988 (Coyle, 1988 - GM 48334). Sheared diorite was intersected in holes KUB 88-13, 14, 15, 16 and 17. The diorite appears to straddle the contact between felsic volcanic tuffs to the north and variolitic basalt to altered intermediate volcanics to the south.

Gold occurs in a zone of intense silicification cut by abundant quartz-tourmaline +/- carbonate +/- chlorite veinlets that host up to 15% pyrite. Gold is closely associated with pyrite in silicified selvedges of quartz veinlets and occurs as free gold in wide quartz veins (Coyle, 1988).

The best intersection was in Drill Hole KUB 88-14. From 178 m to 187 m, gold was observed at three places. Assays show 1.63 g/t Au over 3.68 m included within a 0.95 g/t Au over 8.25

m. Drill Hole KUB 88-16, located 100 m WSW of the later, intersected 3.50 g/t Au over 1.55 m.

# 7.3.3 Zone 17

The Zone 17 is located north-east of Lake Rouleau, west of Zone 18 and was discovered by drilling in 1987. It consists of two silicified zones separated by a carbonate-sericite zone. In the north part of the zone the rock is an altered andesitic tuff type while rocks to the south are mainly basalt and diorite. Two diamond drill holes intersected anomalous gold assays and the most significant values returned an average of 7.18 g/t Au over 4.29 m in drill hole 87-17.

# 7.3.4 Zone 18

The Zone 18 is located east of Lake Rouleau, is oriented in an ENE/WSW direction and dips steeply to the north. It does not reach the surface as it is covered by overburden. Gold mineralization is indicated by drilling over a strike of 575 m. However, the best gold grades are limited to a strike length of 150 m at the presumed surface bedrock elevation between grid lines 1925E to 2075E.

The mineralization is generally hosted by a brecciated strongly silicified and moderately carbonatized felsic tuff and mudrock unit. The host rock consists of a dark grey or beige silicified and carbonatized matrix containing cream, beige, light brown or grey and rarely greenish coloured angular light sericitized fragments with rare occurrences of tiny white albite crystals (Cloutier 2004).

The zone is bordered on both sides by a sharp contact with two different types of rocks. On the south side, the footwall is felsic tuff and lavas for which the width varies from 10 to 15 m. To the north, the zone is in contact with a strongly schistose and often mylonitic zone.

Zone 18 is cut by irregular veinlets of ankerite and white-grey quartz mostly, and haired black material possibly black quartz, chlorite, graphite and/or tourmaline. Tiny white albite crystals are sometimes observed standing on guard at right angle to the quartz-carbonate veinlets. Some multi-meter sections show a brownish colour cut with variable quantity of white to sometimes grey quartz and carbonate veinlets. Best values obtrained in this zone are shown in Table 5.

-				
Drill Hole No.	From (m)	To (m)	Length (m)	Au (g/t)
87-18	46.83	50.18	3.35	4.80
87-33	93.04	99.60	6.56	6.60
87-44	62.00	72.00	10.00	2.00
87-46	99.00	104.00	5.00	5.20
87-51	143.46	149.41	5.95	7.64
87-63	347.00	350.05	3.05	27.53
87-64	126.44	129.22	2.78	5.32
101-68	437.00	443.00	6.00	5.82

Table 5 - Best values obtained in Zone 18

Drill Hole No.	From (m)	To (m)	Length (m)	Au (g/t)
101-103	512.00	514.00	2.00	9.40
BFRL 401	24.81	28.54	3.73	11.63
BFRL 402	15.95	20.00	4.05	7.65
BFRL 409	90.75	95.04	4.29	6.05
BRL-16-03	58.00	59.00	1.00	6.81
DRL-10-03	62.00	63.00	1.00	10.00
BRL-16-06	49.00	50.00	1.00	5.78
	31.00	32.00	1.00	8.66
BRL-16-08	33.00	34.00	1.00	6.24
	34.00	35.00	1.00	5.02
BRL-16-10	24.00	25.00	1.00	5.90
DRL-10-10	31.00	32.00	1.00	7.18
BRL-16-11	93.00	94.00	1.00	10.00
BRL-16-12	59.00	60.00	1.00	10.00
BRL-17-05	117.00	118.00	1.00	10.00
	121.00	122.00	1.00	3.36
	125.00	126.00	1.00	2.19
BRL-17-10	126.00	127.00	1.00	7.49
	132.00	133.00	1.00	8.14
	136.00	137.00	1.00	3.58
	138.00	139.00	1.00	10.00
BRL-17-11	156.00	157.00	1.00	7.38
	161.00	162.00	1.00	3.23

Historical Mineral Estimates for Zone 18 are reported as Mineral Resources in various public documents. Estimates are in the range of 0.5 to 0.6 Mt at a grade of 5 to 6 g/t Au. <u>However</u>, <u>no pertinent reports have been found to substantiate these estimates</u>. Those "Mineral Resources" do not comply with the "Best Practice Guidelines" on Estimation of Mineral Resources and Mineral Reserves as adopted by CIM Council, November 23, 2003, and the CIM Definition Standards on Mineral Resources and Mineral Reserves adopted by CIM Council, on November 14, 2004 and not compliant with the Canadian Securities Administrators National Instrument 43-101 Respecting Standards of Disclosure for Mineral Projects ("NI 43-101") and its related Form 43-101F1.

## 7.3.5 Showing No. 1

Located south of Lake Rouleau, the Showing No. 1 was mechanically stripped over an area covering 1,030 m<sup>2</sup> and consists of a sheared carbonate-rich zone trending E-W at the contact of tuffs and diorite. The east-west schistosity is cut by a network of smoky quartz veins (stockwork) in a north-west direction. Fine pyrite, pyrrhotite, arsenopyrite and magnetite are associated with quartz veins and have also been observed in microfractures. The highest gold values obtained by channel sampling were 3.1, 2.9 and 2.6 g/t Au over 1 m each.

## 7.3.6 Showing No. 2

This showing, which could be the eastern extension of Zone 17, was also mechanically stripped over an area covering 715 m<sup>2</sup>. However it seems to be related to the footwall diorite and not to the silicified tuff. The mineralization is associated with a 10-meter long quartz vein within the diorite and the veins' wall which consists of silicified, carbonatized and sericitized diorite with 1-5% pyrite. The most significant value obtained was 3.89 g/t Au over 1.0 m.

## 7.3.7 Showing No. 3

Showing No. 3, which is located in the Zone 18 area, was originally believed to be the continuity of Zone 18 at surface. The zone was mechanically stripped over an area of 700 m<sup>2</sup>. Drilling by Beaufield in 2004 has since shown that the surface expression of the zone is actually 10 meters north of Showing No. 3 (Cloutier 2004). It consists of a few discontinuous quartz veins cutting plowed to massive basalts. The most significant values obtained by grab sample were 46.25, 45.55, 22.29 and 15.98 g/t Au.

## 7.3.8 Showing No. 4

Showing No. 4 was mechanically stripped over an area covering 1350 m<sup>2</sup> and is located near the St-Cyr River at approximately 1.5 km ESE of Lake Rouleau. The showing consists of a series of subvertical and strongly deformed quartz veins extending on 70 meters with widths reaching up to 30 cm. The most significant values obtained by grab sample were 10.4, 7.4 and 4.3 g/t Au.

### 7.3.9 Cominco Showing

This showing, located just west of Showing No. 4 and north of St-Cyr River, was stripped over a small area in 1987. Gold mineralization occurs in a silicified and carbonatized gabbro. The most significant values obtained by drilling was 2.25 g/t Au over 5.4 m (Tessier, A., 1990, GM 49950).

### 7.3.10 Quesnel Showing

The Quesnel Showing is located SW of Lake Rouleau and is described as a 10 metres wide, east-west striking silicified but gold barren shear zone (Quesnel, 1988). A cluster of massive sulphide pods is located just north of the shear zone. These pods contain pyrite, chalcopyrite, arsenopyrite and grab samples returned 12.84 g/t Au, 6% Cu and 30.6 g/t Ag and were interpreted as possible volcanic events. In 1990, Minnova carried out some drilling to test possible extensions underneath the showing. A thin unit of massive sulphides was intersected returning 8.22 g/t Au, 0.69% Cu and 312 ppm Zn over 0.25 m (LR-89-02).

### 7.3.11 Stratabound Sulphides Showing

Zinc, silver and copper mineralization was encountered in several drill holes west of Lake Rouleau. The mineralization consists of 3-7%, locally up to 20%, disseminated and stringer/pyrrhotite/pyrite/chalcopyrite associated with weakly graphitic beds intercalated with felsic volcanic rocks (Coyle 1990).

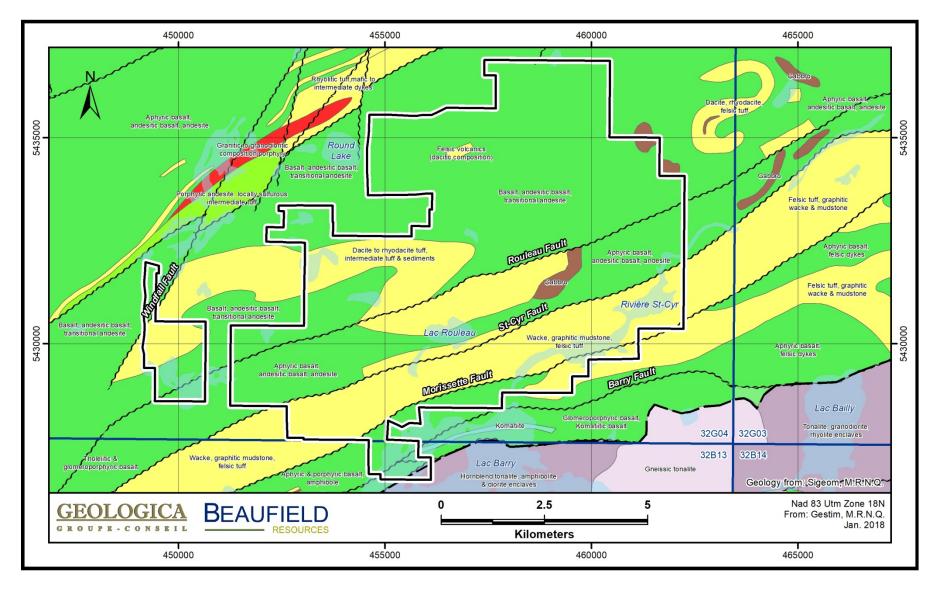


Figure 6 - Local Geology from MRNQ (Sigeom 2018)

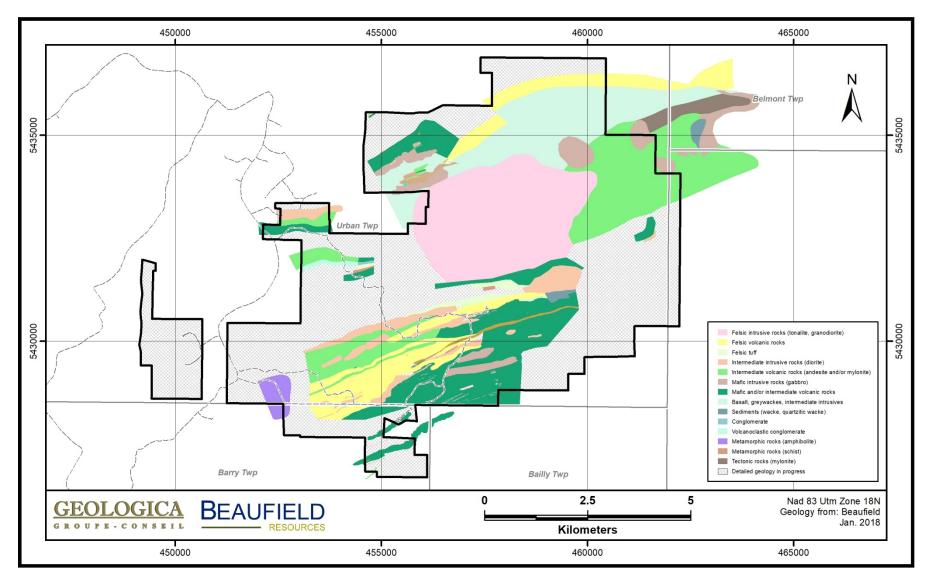


Figure 7 - Interpretation of the Detailed Geology by Beaufield from DDHs

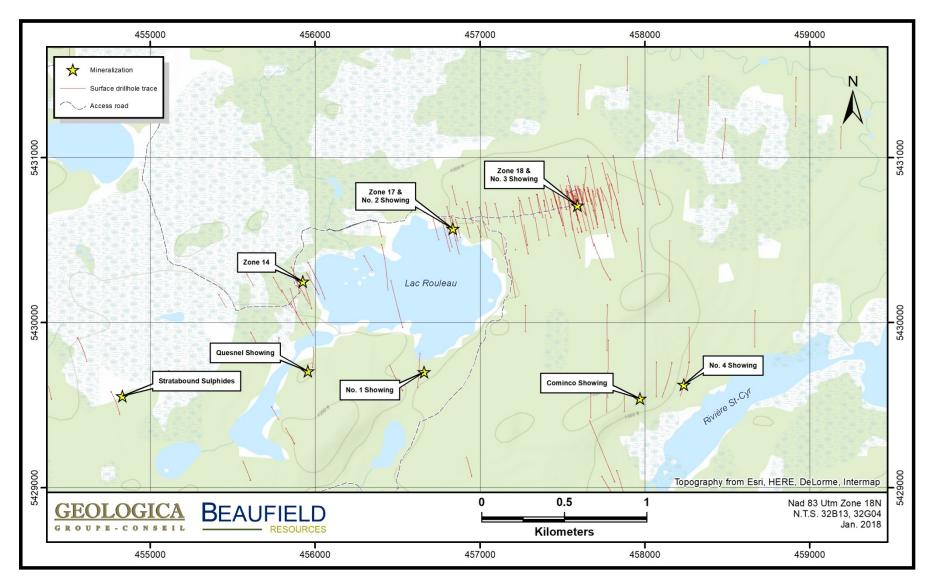


Figure 8 - Location of the mineralization and showings

### 8.0 DEPOSIT TYPES

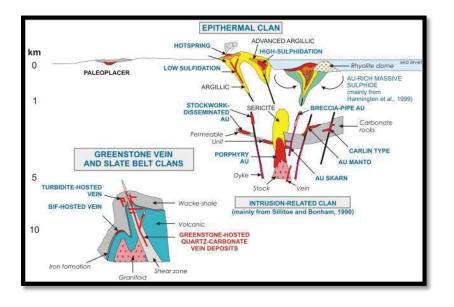
Recent work by several exploration companies (Osisko Mining, Metanor Resources, Beaufield Resources, Bonterra Resources, etc.) has led to the recognition that an extensive band of felsic volcanic and volcaniclastic rocks occur in the central portion of the belt (including the Lac Rouleau area). Numerous gold, and minor base metal occurrences, lie along a prominent northeast trending feature which transects this area, including the Barry, Souart (Nubar) and Windfall gold deposits, Mapping, outcrop stripping, and diamond drilling have identified felsic rocks along the entire trend.

The geology of the Property is characterized by volcano-sedimentary rocks with greenschist metamorphic assemblages, exhibiting brittle-ductile deformational features. In the area of the Lac Rouleau Block of the Urban Property, the volcanic rock units are intruded by a series of felsic to intermediate dikes with pyritic stockwork and dissemination similar to the mineralization hosted in volcanic rock units. However, the dikes exhibit much lower gold grades than the gold zones hosted in the volcanic rock units in general.

The characteristics of the gold mineralization in the Property are similar to intrusion-related gold mineralization described as atypical greenstone-hosted deposits by Robert (2007). Although these atypical deposits display similar regional-scale controls and commonly occur in the same camps as orogenic deposits, they differ in styles of mineralization, metal association, interpreted crustal levels of emplacement, and relative age. Those gold deposits show a close spatial association with high level porphyry stocks and dykes.

Deposits of this group, typified by the Mother Lode and Grass Valley and including many important Precambrian examples, consist of quartz-carbonate veins in moderately to steeply dipping brittle-ductile shear zones and locally in related shallow-dipping extensional fractures. They are commonly distributed along major fault zones in deformed greenstone terranes of all ages. Veins have strike- and dip-lengths of 100 m to 1,000 m, either singly or, more typically, in complex vein networks. They are hosted by a wide variety of lithologies but there are district specific lithologic associations (Figure 9).

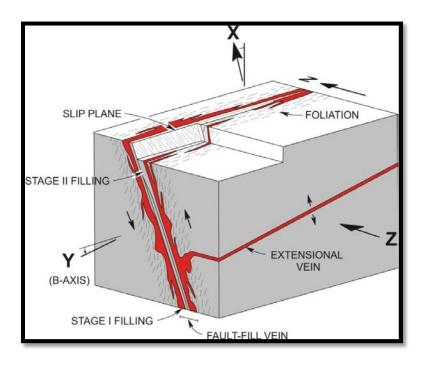
Generally, lode gold deposits (gold from bedrock sources) occur dominantly in terranes with an abundance of volcanic and clastic sedimentary rocks of a low to medium metamorphic grade (Poulsen, 1996). Greenstone-hosted quartz-carbonate vein deposits are a subtype of lode-gold deposits (Poulsen et al.,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



## Figure 9 - Inferred Crustal Levels of Gold Deposition

Different Types of Lode Gold Deposits and the Inferred Deposit Clan (From Dubé et al., 2001; Poulsen et al., 2000)

Greenstone-hosted quartz-carbonate vein deposits consist of simple to complex networks of gold-bearing, 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 tensional crustal-scale fault zones (Figure 10) 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 turbiditic-hosted quartz-carbonate vein deposits.



## Figure 10 - Schematic Diagram of the Geometric Relationships

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

Bandyayera, Théberge and Fallara (Quebec, RG 2001-14) recognize five types of mineralization and deposit types in the area of the Lac Rouleau Block (Table 6).

Gold Mineralization	Sub-Type	Deposit
Type 1 (Au rich VMS)	Associated with felsic volcanics	Osisko Mining (Windfall Lake Project)
Type I (Au field vivis)	Associated with andesitic tuffs	
Type 2 (Cu-Au-Ag rich VMS)	Conjugated synvolcanic fractures filled with white quartz and local concentrations of Au rich chalcopyrite-pyrite sulphides	West macho showing
	Chalcopyrite or disseminations	
Type 3 (Au rich Volcanogenic	Pyrite-pyrrhotite veins, blobs carbonate-quartz- sericite-tourmaline-pyrite with chalcopyrite	Metanor Resources (Barry deposit)
Veins)	Quartz vein-sericite-tourmaline-pyrite-pyrrhotite- chalcopyrite	Alto showing
<b>Type 4</b> (Au rich Shear Zones)	Locally rich ankerite and disseminated sulphides with quartz-albite-carbonates-tourmaline-fuschite and mafic to intermediate dykes	Beaufield Resources (Zone 18 Lac Rouleau Claim Block)
Type 5 (Au-Cu-Zn rich Metaplites)	Pyrite-Chalcopyrite-sphalerite-galena-pyrrhotite- arsenopyrite-magnetite disseminated and veinlets in an actinolite-chlorite-quartz matrix	Osisko Mining (Souart-Nubar Zone)

Table 6 - Types of mineralization and deposit types in the Lac Rouleau Block Area

## 9.0 EXPLORATION

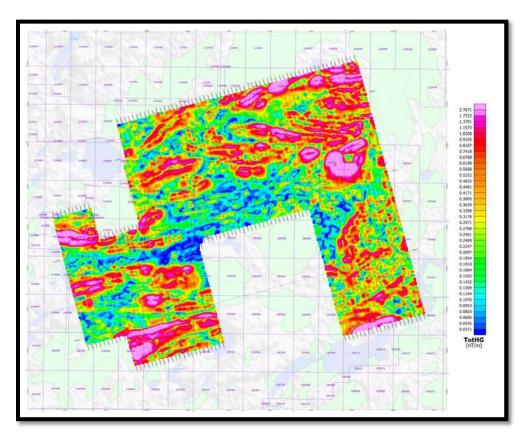
## 9.1 Geophysical Survey

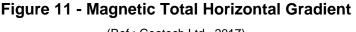
During June 10<sup>th</sup> to June 17<sup>th</sup> 2017, Geotech Ltd. carried out a helicopter-borne geophysical survey over a part of the Property.

Principal geophysical sensors included a versatile time domain electromagnetic (VTEM<sup>™</sup>plus) system and a horizontal magnetic gradiometer with two caesium sensors. Ancillary equipment included a GPS navigation system and a radar altimeter. A total of 369 line-kilometres (Traverse: 100 m and Tie: 2 km) of geophysical data were acquired during the survey. In-field data quality assurance and preliminary processing were carried out on a daily basis during the acquisition phase. This survey includes a magnetometric survey (Figure 11).

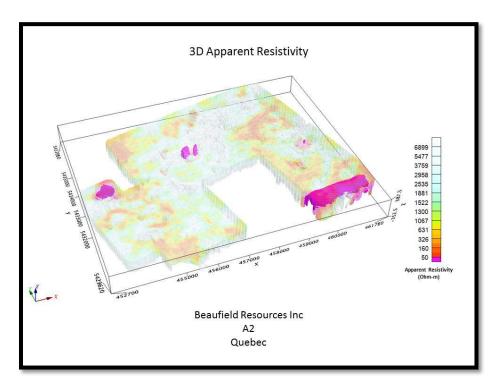
The first conductor is located near the center of the grid-line. This zone is approximately 75 m deep, extending to a depth of approximately 575 m. The most conductive parts of the conductor display dB/dt time constant values of up to 1.9 ms and apparent resistivity values less than 3 Ohm-m (Figure 12 and Figure 13).

A second conductive zone consists of multiple moderately conductive small local anomalies in the eastern part of the grid-line, including one large east-west trending anomaly in the southeastern area.



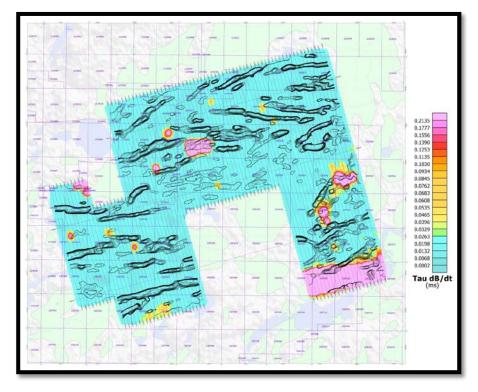


(Ref.: Geotech Ltd., 2017)



# Figure 12 - 3D Resistivity-Depth Image (RDI)

(Ref.: Geotech Ltd., 2017)



# Figure 13 - dB/dt Calculated Time Constant (Tau) with Calculated Vertical Derivative contours

(Ref.: Geotech Ltd., 2017)

## 9.2 Trenching

In 2016, four (4) trenches were completed by Beaufield on the Zone 18 and just north of Showing 3, covering an area of  $351.5 \text{ m}^2$  (Figure 14). A total of forty-four (44) channels were completed for eighty-eight (88) samples (Table 7).

The channel samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, stripping, channel sampling and supervision of this program were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

Main lithologies consist from south to north of altered and sheared basalt, felsic to intermediate tuff locally strongly deformed and altered (chloritized, silicified, carbonated and sericitized with local fuschite) with 15% of Quartz veining up to 10cm and locally traces to 1% disseminated pyrite; and mylonitized and altered zone with quartz, biotite, chlorite and sericite and 10% of quartz stringers up to 2cm wide with 2% of disseminated pyrite in clusters. A mylonitized zone was observed in the contact between the tuffaceous unit and basaltic unit to the south and could correspond to the Zone 18 (all the Laboratory Assay Results are available at Beaufield's Office).

Trench No.	Channel No.	From (m)	To (m)	Length (m)	Sample No.	Easting	Northing	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)
А	1	1.00	2.00	1.00	S652502	457471	5430723	6.630	0.6	66	82
А		0.00	1.00	1.00	S652503	457472	5430724	0.295	<0.2	51	275
А	2	1.00	2.50	1.50	S652504	457472	5430725	0.315	<0.2	114	88
А		3.00	4.00	1.00	S652505	457472	5430726	0.930	0.7	123	166
А	4	1.00	2.00	1.00	S652510	457470	5430731	0.174	<0.2	46	82
А	7	2.00	2.70	0.70	S652516	457469	5430736	0.295	<0.2	70	66
В	3	0.00	1.00	1.00	S652524	457498	5430736	0.670	<0.2	78	72
В	5	3.00	4.00	1.00	S652530	457495	5430743	0.539	<0.2	94	69
В	0	0.00	1.00	1.00	S652535	457494	5430749	0.267	0.4	106	80
В	8	6.00	7.00	1.00	S652539	457494	5430755	0.149	0.3	82	139
С	3	0.00	1.00	1.00	S652548	457527	5430739	0.131	<0.2	72	76
С	4	0.00	1.00	1.00	S652549	457526	5430740	0.133	0.2	83	108
С	5	0.00	1.00	1.00	S652550	457525	5430743	0.872	<0.2	44	179
С	11	0.00	1.30	1.30	S652564	457526	5430758	2.750	0.7	24	47
С		2.30	2.80	0.50	S652565	457526	5430759	0.148	<0.2	30	68
D		0.00	1.50	1.50	S652572	457565	5430752	1.080	<0.2	97	50
D	4	1.50	2.50	1.00	S652573	457565	5430753	0.772	<0.2	20	50
D		2.50	3.50	1.00	S652574	457565	5430754	1.540	<0.2	32	49
D	5	0.00	1.00	1.00	S652575	457563	5430755	0.118	0.5	41	54
D	6	0.00	1.00	1.00	S652577	457564	5430757	0.231	<0.2	53	66
D	6	1.00	2.00	1.00	S652578	457564	5430758	0.283	<0.2	59	58

Table 7 - 2016 Best Intersections (≥0.1 g/t Au) in the channel sampling

Trench No.	Channel No.	From (m)	To (m)	Length (m)	Sample No.	Easting	Northing	Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)
D	7	1.00	2.00	1.00	S652580	457563	5430760	0.633	<0.2	112	99
D	8	0.00	1.00	1.00	S652581	457564	5430761	2.500	0.3	119	116
D	9	0.00	1.50	1.50	S652582	457563	5430764	0.155	<0.2	41	64
D	10	2.00	3.00	1.00	S652585	457562	5430766	0.101	0.2	20	80
D	11	0.00	1.00	1.00	S652587	457561	5430768	0.209	<0.2	28	65

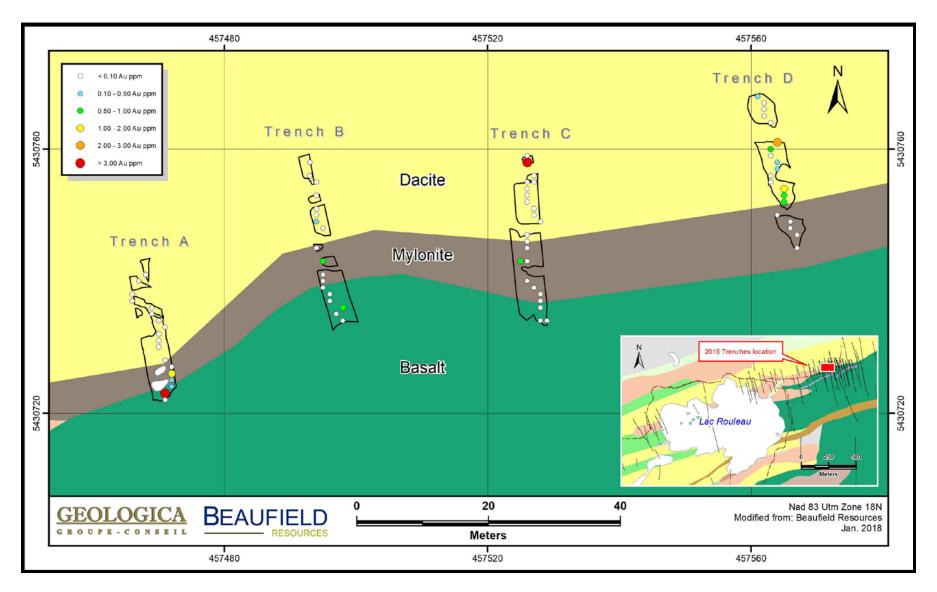


Figure 14 - 2016 Trenches with sampling

### 9.3 Till Survey

Between July to August 2017, a total of 55 till samples for gold grain count and dense fraction analysis was collected in the southeastern part of the Lac Rouleau Block (Figure 15). The samples were collected by Beaufield's staff (Appendix II for the Laboratory Assay Results). The sampling was defined along of E-W GPS-line and most of the till samples are spaced by a 100 meters mesh. Analysis of the fine and dense fractions was contracted to Actlabs in Ancaster Ontario. Analysis of the gold grain counts was realized by Overburden Drilling Management of Ottawa.

Results of the 2017 till campaign were reviewed with Dr. Rémi Charbonneau and defined a gold anomaly with a local source (within 100m of the till sample location with high prisitine gold grain count)in the eastern part of the survey. The target remains remains to be drill tested but gold potential has been demonstrated nearby by the presence of gold within drill hole BRS-17-10 located 400m ENE of the target area with a value of 33.6 g/t Au over 1.0 m (see Appendix III for Laboratory Assay Results).

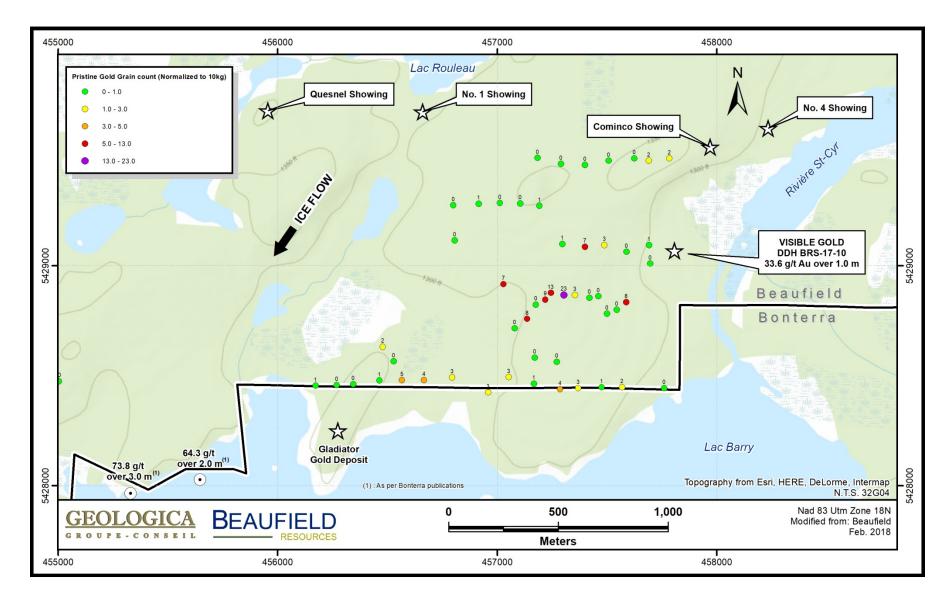


Figure 15 - 2017 Till sampling

### **10.0 DIAMOND DRILLING**

### 10.1 ZONE 18

Twenty-one (21) diamond drill holes were completed in 2016-2017 in the area of the Lac Rouleau Zone 18 in order to verify and follow-up of lateral and depth extensions of the mineralized zone previously defined and test new targets in the area. A total of 3,063 meters were drilled. Table 8 (here below) shows Technical Parameters and Figure 16 shows the location of these drill holes.

The drill core samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, core logging, data validation and supervision of these 2016 and 2017 drilling programs were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

Drill Hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BRL-16-01	457199	5430676	400	165	-45	102
BRL-16-02	457387	5430742	400	165.5	-45	84
BRL-16-03	457386	5430741	400	165.5	-75	126
BRL-16-04	457429	5430750	400	165	-45	96
BRL-16-05	457429	5430750	400	165	-70	129
BRL-16-06	457479	5430761	400	165	-45	96
BRL-16-07	457479	5430761	400	165	-75	120
BRL-16-08	457528	5430771	400	165	-45	84
BRL-16-08A	457528	5430771	400	165	-45	15
BRL-16-09	457528	5430771	400	165	-75	123
BRL-16-10	457573	5430770	400	165	-45	81
BRL-16-11	457573	5430770	400	165	-75	123
BRL-16-12	457683	5430798	399	167.8	-45	120
BRL-17-01	457730	5430818	409	165	-50	120
BRL-17-02	457640	5430940	393	165	-75	507
BRL-17-03	457629	5430812	384	165	-67	189
BRL-17-04	457522	5430796	394	165	-70	150
BRL-17-05	457344	5430777	393	165	-65	249
BRL-17-10	457575	5430829	380	165	-60	204
BRL-17-11	457575	5430829	380	165	-67	195
BRL-17-12	457765	5430874	400	165	-45	150

Table 8 - 2016-2017 Technical Parameters on the Lac Rouleau Zone 18 (BRL series)

The mineralization is mostly within a brecciated strongly silicified and moderately carbonatized felsic tuff and mudrock units. Locally, these units are cut by felsic to intermediate intrusive dykes. The host rock consists of a dark grey or beige silicified and carbonatized matrix containing cream, beige, light brown or grey and rarely greenish coloured angular light sericitized fragments with rare occurrences of tiny white albite crystals.

Zone 18 is cut by irregular veinlets of ankerite and white-grey quartz mostly, and haired black material possibly black quartz, chlorite, graphite and/or tourmaline. Tiny white albite crystals are sometimes observed standing on guard at right angle to the quartz-carbonate veinlets. Some multi-meter sections show a brownish colour cut with variable quantity of white to sometimes grey quartz and carbonate veinlets.

Beaufield used appropriate QA/QC protocols, employing duplicates, blanks and standards. A total of 1,422 core samples were sawed for a total length sampled of 1,430.71 meters which represents 47% of total drill hole core length; and 194 QA/QC control samples were added. Table 9 (here below) presents the most significant intersections more than 0.1 g/t Au (all the Laboratory Assay Results and DDH descriptions are available at Beaufield's Office).

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-16-01	44	45	1	S649584	0.96
BRL-16-01	48	49	1	S649588	0.64
BRL-16-01	80	81	1	S649594	2.54
BRL-16-02	21	22	1	S649615	0.42
BRL-16-02	22	23	1	S649616	0.14
BRL-16-02	24	25	1	S649618	0.47
BRL-16-02	25	26	1	S649619	0.12
BRL-16-02	27	28	1	S649622	0.12
BRL-16-03	41	42	1	S649675	3.71
BRL-16-03	57	58	1	S649693	2.25
BRL-16-03	58	59	1	S649694	6.81
BRL-16-03	59	60	1	S649695	0.47
BRL-16-03	60	61	1	S649696	0.45
BRL-16-03	61	62	1	S649697	0.36
BRL-16-03	62	63	1	S649698	10
BRL-16-03	64	65	1	S649702	0.6
BRL-16-03	65	66	1	S649703	0.25
BRL-16-03	67	68	1	S649705	1.07
BRL-16-03	68	69	1	S649706	1.12
BRL-16-03	73	74	1	S649712	0.11
BRL-16-04	13	14	1	S649739	0.1
BRL-16-04	17	18	1	S649744	0.26
BRL-16-04	25	26	1	S649753	0.14
BRL-16-04	73	74	1	S649778	1.76
BRL-16-04	74	75	1	S649779	1.94

Table 9 - 2016-2017 DDH Intersections (≥0.1 g/t Au) on the Lac Rouleau Zone 18 (BRL)

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-16-04	75	76	1	S649781	2.32
BRL-16-04	81	82	1	S649786	0.3
BRL-16-05	3.62	5	1.38	S652906	0.23
BRL-16-05	8	9	1	S652911	0.39
BRL-16-05	9	10	1	S652912	0.16
BRL-16-05	10	11	1	S652913	1.16
BRL-16-05	24	25	1	S652929	0.1
BRL-16-05	30	31	1	S652936	0.12
BRL-16-05	43	44	1	S652952	0.28
BRL-16-05	50	51	1	S652959	0.62
BRL-16-05	58	59	1	S652968	2
BRL-16-05	59	60	1	S652969	0.23
BRL-16-06	12	13	1	S649811	0.15
BRL-16-06	14	15	1	S649813	0.17
BRL-16-06	17	18	1	S649816	0.19
BRL-16-06	25	26	1	S649826	0.72
BRL-16-06	28	29	1	S649828	0.21
BRL-16-06	41	42	1	S649843	0.49
BRL-16-06	42	43	1	S649844	0.24
BRL-16-06	45	46	1	S649847	1.11
BRL-16-06	46	47	1	S649848	1.66
BRL-16-06	47	48	1	S649852	2.22
BRL-16-06	49	50	1	S649854	5.78
BRL-16-06	50	51	1	S649855	0.43
BRL-16-06	55	56	1	S649861	0.25
BRL-16-06	56	57	1	S649862	0.63
BRL-16-06	58	59	1	S649864	0.36
BRL-16-06	59	60	1	S649865	0.36
BRL-16-06	60	61	1	S649866	0.11
BRL-16-06	61	62	1	S649867	0.26
BRL-16-06	65	66	1	S649872	0.27
BRL-16-06	66	67	1	S649873	0.91
BRL-16-06	67	68	1	S649874	0.11
BRL-16-06	68	69	1	S649875	0.29
BRL-16-06	87	88	1	S649892	0.19
BRL-16-07	5	6	1	S652989	0.31

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-16-07	6	7	1	S652991	0.1
BRL-16-07	7	8	1	S652992	0.2
BRL-16-07	17	18	1	S653004	0.84
BRL-16-07	29	30	1	S653017	0.14
BRL-16-07	31	32	1	S653019	0.63
BRL-16-07	32	33	1	S653021	0.84
BRL-16-07	38	39	1	S653027	0.12
BRL-16-07	43	44	1	S653033	0.16
BRL-16-07	44	45	1	S653034	0.8
BRL-16-07	45	46	1	S653035	0.1
BRL-16-07	47	48	1	S653037	1.5
BRL-16-07	48	49	1	S653038	0.35
BRL-16-07	49	50	1	S653039	0.5
BRL-16-07	50	51	1	S653041	0.16
BRL-16-07	52	53	1	S653043	0.61
BRL-16-07	53	54	1	S653044	1.62
BRL-16-07	54	55	1	S653045	0.27
BRL-16-07	79	80	1	S653073	0.1
BRL-16-08	24	25	1	S653186	0.13
BRL-16-08	25	26	1	S653187	0.97
BRL-16-08	26	27	1	S653188	0.82
BRL-16-08	27	28	1	S653189	0.3
BRL-16-08	28	29	1	S653191	0.95
BRL-16-08	29	30	1	S653192	1.46
BRL-16-08	30	31	1	S653193	0.86
BRL-16-08	31	32	1	S653194	8.66
BRL-16-08	32	33	1	S653195	3.67
BRL-16-08	33	34	1	S653196	6.24
BRL-16-08	34	35	1	S653197	5.02
BRL-16-08	35	36	1	S653198	1.13
BRL-16-08	52	53	1	S653218	3.77
BRL-16-08	53	54	1	S653219	0.34
BRL-16-08	54	55	1	S653221	0.34
BRL-16-08	57	58	1	S653224	0.21
BRL-16-08	60	61	1	S653227	2.81
BRL-16-08	61	62	1	S653228	0.73
BRL-16-08	64	65	1	S653232	0.62
BRL-16-08	65	66	1	S653233	0.25

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-16-08	67	68	1	S653235	0.7
BRL-16-08	68	69	1	S653236	0.12
BRL-16-08	71	72	1	S653239	0.11
BRL-16-09	49	50	1	S653101	0.53
BRL-16-09	51	52	1	S653103	0.69
BRL-16-09	52	53	1	S653104	0.23
BRL-16-09	54	55	1	S653106	0.2
BRL-16-09	55	56	1	S653107	0.64
BRL-16-09	56	57	1	S653108	1.58
BRL-16-09	57	58	1	S653109	0.75
BRL-16-09	58	59	1	S653111	2.3
BRL-16-09	59	60	1	S653112	1
BRL-16-09	60	61	1	S653113	0.22
BRL-16-09	62	63	1	S653115	0.23
BRL-16-09	63	64	1	S653116	0.22
BRL-16-09	64	65	1	S653117	0.2
BRL-16-09	65	66	1	S653118	0.2
BRL-16-09	67	68	1	S653121	0.25
BRL-16-09	69	70	1	S653123	0.3
BRL-16-09	80	81	1	S653135	0.25
BRL-16-09	81	82	1	S653136	0.51
BRL-16-09	82	83	1	S653137	0.72
BRL-16-09	83	84	1	S653138	0.16
BRL-16-09	87	88	1	S653142	0.1
BRL-16-09	88	89	1	S653143	0.43
BRL-16-09	89	90	1	S653144	0.22
BRL-16-09	93	94	1	S653148	0.18
BRL-16-09	119	120	1	S653179	0.11
BRL-16-10	17	18	1	S653254	0.57
BRL-16-10	18	19	1	S653255	3.55
BRL-16-10	19	20	1	S653256	0.15
BRL-16-10	20	21	1	S653257	0.14
BRL-16-10	21	22	1	S653258	0.52
BRL-16-10	24	25	1	S653262	5.9
BRL-16-10	25	26	1	S653263	1.05
BRL-16-10	30	31	1	S653268	1.39
BRL-16-10	31	32	1	S653269	7.18

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-16-10	32	33	1	S653271	0.56
BRL-16-11	26	27	1	S653328	0.32
BRL-16-11	27	28	1	S653329	0.26
BRL-16-11	28	29	1	S653331	0.11
BRL-16-11	31	32	1	S653334	0.6
BRL-16-11	32	33	1	S653335	0.88
BRL-16-11	33	34	1	S653336	0.22
BRL-16-11	37	38	1	S653341	0.15
BRL-16-11	38	39	1	S653342	0.2
BRL-16-11	40	41	1	S653344	0.92
BRL-16-11	41	42	1	S653345	0.22
BRL-16-11	42	43	1	S653346	0.58
BRL-16-11	43	44	1	S653347	0.7
BRL-16-11	44	45	1	S653348	0.1
BRL-16-11	45	46	1	S653351	0.23
BRL-16-11	46	47	1	S653352	0.1
BRL-16-11	48	49	1	S653354	0.1
BRL-16-11	59	60	1	S653366	0.2
BRL-16-11	67	68	1	S653376	0.1
BRL-16-11	79	80	1	S653389	0.13
BRL-16-11	81	82	1	S653392	0.14
BRL-16-11	90	91	1	S653403	0.14
BRL-16-11	93	94	1	S653406	10
BRL-16-11	94	95	1	S653407	0.16
BRL-16-12	48	49	1	S653437	3.75
BRL-16-12	49	50	1	S653438	0.12
BRL-16-12	51	52	1	S653441	0.2
BRL-16-12	52	53	1	S653442	0.19
BRL-16-12	54	55	1	S653444	0.16
BRL-16-12	55	56	1	S653445	0.82
BRL-16-12	56	57	1	S653446	1.2
BRL-16-12	58	59	1	S653448	0.17
BRL-16-12	59	60	1 S653451		10
BRL-16-12	62	63	1 S653454		0.31
BRL-17-01	14	15	1	S652851	0.2
BRL-17-01	62	63	1	S652868	0.52

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-17-01	63	64	1	S652869	0.48
BRL-17-01	64	65	1	S652871	0.28
BRL-17-01	65	66	1	S652872	2.82
BRL-17-01	66	67	1	S652873	0.4
BRL-17-01	67	68	1	S652874	0.17
BRL-17-01	68	69	1	S652876	0.83
BRL-17-01	69	70	1	S652877	0.48
BRL-17-02	34	35	1	S652803	0.34
BRL-17-02	35	36	1	S652804	0.46
BRL-17-02	36	37	1	S652805	2.24
BRL-17-02	37	38	1	S652806	0.86
BRL-17-02	38	39	1	S652807	0.15
BRL-17-02	40	41	1	S652809	0.63
BRL-17-02	41	42	1	S652811	0.54
BRL-17-02	42	43	1	S652812	0.39
BRL-17-02	46	47	1	S652816	1.3
BRL-17-02	51	52	1	S652822	0.25
BRL-17-02	52	53	1	1 S652823	
BRL-17-02	72	73	1	S652833	0.26
BRL-17-02	134	135	1	S652837	0.63
BRL-17-02	135	136	1	S652838	0.34
BRL-17-02	379	380	1	S652725	0.1
BRL-17-02	387	388	1	S652734	0.33
BRL-17-02	388	389	1	S652735	0.15
BRL-17-02	394	395	1	S652742	0.21
BRL-17-02	395	396	1	S652743	0.62
BRL-17-02	396	397	1	S652744	1.98
BRL-17-02	397	398	1	S653645	2.34
BRL-17-02	398	399	1	S652745	0.98
BRL-17-02	399	400	1	S652746	1.2
BRL-17-02	400	401	1	S652747	0.15
BRL-17-02	404	405	1	S652753	0.68
BRL-17-02	408	409	1 S652756		0.29
BRL-17-02	409	410	1 S652757		0.12
BRL-17-02	410	411	1	S652758	0.31
BRL-17-02	411	412	1	S652759	0.52
BRL-17-02	426	427	1	S652776	0.1
BRL-17-02	431	432	1	S652782	0.18

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-17-02	436	437	1	S652786	0.12
BRL-17-02	446	447	1	S652797	0.69
BRL-17-02	449	450	1	S653502	0.29
BRL-17-03	107	108	1	S653552	3.27
BRL-17-03	108	109	1	S653553	0.21
BRL-17-03	109	110	1	S653554	0.77
BRL-17-03	110	111	1	S653555	0.64
BRL-17-03	111	112	1	S653556	1.94
BRL-17-03	112	113	1	S653557	0.6
BRL-17-03	113	114	1	S653558	1.9
BRL-17-03	115	116	1	S653561	0.32
BRL-17-03	116	117	1	S653562	0.2
BRL-17-03	117	118	1	S653563	0.42
BRL-17-03	118	119	1	S653564	4.04
BRL-17-03	119	120	1	S653565	0.76
BRL-17-03	120	121	1	S653566	0.78
BRL-17-03	123	124	1	S653569	0.52
BRL-17-03	124	125	1	S653571	0.13
BRL-17-03	125	126	1	S653572	0.21
BRL-17-03	126	127	1	S653573	0.55
BRL-17-03	127	128	1	S653574	1.96
BRL-17-03	128	129	1	S653576	0.37
BRL-17-03	140	141	1	S653589	0.97
BRL-17-03	145	146	1	S653595	0.12
BRL-17-03	146	147	1	S653596	0.12
BRL-17-03	155	156	1	S653607	0.55
BRL-17-03	157	158	1	S653609	0.43
BRL-17-03	158	159	1	S653611	0.1
BRL-17-03	159	160	1	S653612	1.27
BRL-17-03	160	161	1	S653613	0.12
BRL-17-03	164	165	1	S653617	0.66
BRL-17-03	166	167	1		
BRL-17-03	176	177	1 S653631		0.46
BRL-17-04	61	62	1	S653648	0.49
BRL-17-04	62	63	1	S653651	0.13
BRL-17-04	64	65	1	S653653	0.14
BRL-17-04	65	66	1	S653654	0.14

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-17-04	67	68	1	S653656	0.18
BRL-17-04	68	69	1	S653657	2.18
BRL-17-04	69	70	1	S653658	2.61
BRL-17-04	70	71	1	S653659	2.57
BRL-17-04	73	74	1	S653663	0.23
BRL-17-04	74	75	1	S653664	0.12
BRL-17-04	80	81	1	S653671	1.45
BRL-17-04	81	82	1	S653672	0.13
BRL-17-04	83	84	1	S653674	0.11
BRL-17-04	84	85	1	S653676	0.71
BRL-17-04	85	86	1	S653677	1.74
BRL-17-04	89	90	1	S653682	0.23
BRL-17-04	97	98	1	S653691	0.52
BRL-17-04	98	99	1	S653692	1.39
BRL-17-05	28	29	1	S653724	0.57
BRL-17-05	29	30	1	S653725	0.12
BRL-17-05	35	36	1	S653937	0.18
BRL-17-05	45	46	1	S653729	0.16
BRL-17-05	48	49	1	S653733	0.1
BRL-17-05	68	69	1	S653745	0.26
BRL-17-05	85	86	1	S653763	0.32
BRL-17-05	87	88	1	S653765	0.72
BRL-17-05	105	106	1	S653786	0.69
BRL-17-05	106	107	1	S653787	0.69
BRL-17-05	107	108	1	S653788	1.12
BRL-17-05	108	109	1	S653789	0.14
BRL-17-05	117	118	1	S653801	10
BRL-17-05	118	119	1	S653802	0.95
BRL-17-05	119	120	1	S653803	1.14
BRL-17-05	120	121	1	S653804	0.52
BRL-17-05	121	122	1	S653805	0.19
BRL-17-05	122	123	1	S653806	0.22
BRL-17-05	124	125	1	S653808	0.19
BRL-17-05	130	131	1	S653815	0.11
BRL-17-05	133	134	1	S653818	0.15
BRL-17-05	136	137	1	S653822	0.41
BRL-17-05	137	138	1	S653823	0.64
BRL-17-05	139	140	1	S653825	0.35

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-17-05	140	141	1	S653826	0.43
BRL-17-05	199	200	1	S653828	0.11
BRL-17-10	119	120	1	S650245	0.16
BRL-17-10	120	121	1	S650246	0.84
BRL-17-10	121	122	1	S650243	3.36
BRL-17-10	122	123	1	S650247	1.68
BRL-17-10	123	124	1	S650248	0.6
BRL-17-10	124	125	1	S650249	0.73
BRL-17-10	125	126	1	S650250	2.19
BRL-17-10	126	127	1	S650251	7.49
BRL-17-10	127	128	1	S650252	0.3
BRL-17-10	131	132	1	S650256	0.94
BRL-17-10	132	133	1	S650257	8.14
BRL-17-10	133	134	1	S650258	0.42
BRL-17-10	136	137	1	S650262	3.58
BRL-17-10	137	138	1	S650263	0.1
BRL-17-10	138	139	1	S650264	0.34
BRL-17-10	139	140	1	S650265	0.3
BRL-17-10	140	141	1	S650266	0.14
BRL-17-10	154	155	1	S650281	0.13
BRL-17-10	155	156	1	S650282	0.33
BRL-17-10	157	158	1	S650284	0.52
BRL-17-10	158	159	1	S650285	0.67
BRL-17-10	167	168	1	S650291	0.11
BRL-17-10	175	176	1	S650294	0.33
BRL-17-11	136	137	1	S650308	0.11
BRL-17-11	137	138	1	S650309	0.19
BRL-17-11	138	139	1	S650311	10
BRL-17-11	140	141	1	S650313	0.73
BRL-17-11	141	142	1	S650314	0.19
BRL-17-11	142	143	1	S650315	0.52
BRL-17-11	152	153	1	S650326	0.31
BRL-17-11	153	154	1	S650327	0.25
BRL-17-11	155	156	1	S650329	0.1
BRL-17-11	156	157	1	S650331	7.38
BRL-17-11	159	160	1	S650334	0.58
BRL-17-11	161	162	1	S650336	3.23

Drill Hole No.	From (m)	To (m)	Length (m) Sample number		Au (g/t)
BRL-17-11	162	163	1	S650337	0.33
BRL-17-11	167	168	1	S650343	0.15
BRL-17-11	175	176	1	S650353	0.12
BRL-17-12	51	52	1	S650369	0.13
BRL-17-12	107	108	1	S650384	0.11
BRL-17-12	121	122	1	S650401	0.24
BRL-17-12	124	125	1	S650404	0.22
BRL-17-12	125	126	1	S650405	1.32
BRL-17-12	127	128	1	S650407	0.55
BRL-17-12	136	137	1	S650417	0.11

## **10.2 LAC ROULEAU SOUTH**

Nineteen (19) diamond drill holes were completed in 2017 in the area of the Lac Rouleau South in order to verify and follow-up of a series of Induced Polarization anomalies previously identified and interpreted; and also to verify the possible ENE extension of the Gladiator gold zones previously defined by Bonterra Resources Inc. to the southwest. A total of 5,140.33 meters were drilled. Table 10 (here below) shows Technical Parameters and Figure 16 shows the location of these drill holes.

The drill core samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, core logging, data validation and supervision of this 2017 drilling program were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

Drill hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BRS-17-01	456288	5428521	394	340	-45	411
BRS-17-02	456403	5428436	397	340	-45	69
BRS-17-02A	456403	5428440	397	340	-45	25.43
BRS-17-02B	456408	5428436	397	340	-45	198
BRS-17-03	456544	5428440	401	330	-45	279
BRS-17-04	456683	5428442	390	342	-45	375.6
BRS-17-05	456890	5428437	397	335	-45	440.3
BRS-17-06	457178	5428430	399	338	-45	381
BRS-17-07	457487	5428435	400	337	-45	428
BRS-17-08	457487	5428435	400	340	-70	46
BRS-17-08A	457487	5428435	400	335	-70	309
BRS-17-09	457781	5428476	413	340	-50	429
BRS-17-10	457816	5429035	399	333	-50	549
BRS-17-11	457828	5429104	410	160	-50	474
BRS-17-12	457811	5428949	410	335	-50	15

Table 10 - 2017 Technical Parameters on the Lac Rouleau South (BRS series)

Drill hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BRS-17-12A	457811	5428949	410	327	-54	204
BRS-17-13	456959	5428652	400	340	-50	132
BRS-17-14	457122	5428837	401	340	-50	195
BRS-17-15	456949	5429068	405	345	-48	180

Mainly felsic to pillowed mafic volcanic units with locally lapilli and blocky tuffs and thin band of wacke-quartzite units were intersected. Several felsic dykes cut all units. The mineralization consists of 1-3% disseminated pyrite with local bands of 2-5 cm with 2-3% of pyrite,1-7% pyrrhotite, tr-1% sphalerite and traces of chalcopyrite that generally correspond to the IP anomalies previously identified. Several veins and veinlet quart-carbonate-chlorite and/or tourmaline with sulphides were observed.

Beaufield used appropriate QA/QC protocols, employing duplicates, blanks and standards. A total of 2,140 core samples were sawed for a total length sampled of 2,415.68 meters which represents 47% of total drill hole core length; and 117 QA/QC control samples were added. Table 11 (here below) presents the most significant intersections more than 0.1 g/t Au (all the Laboratory Assay Results and DDH descriptions are available at Beaufield's Office).

Drill Hole No.	From (m)	To (m)	Length (m)	Sample Number	Au (ppm)
BRS-17-03	71	72.5	1.5	V639444	2.43
BRS-17-03	72.5	74	1.5	V639445	0.393
BRS-17-04	61.58	63	1.42	V639605	0.223
BRS-17-04	97	98.27	1.27	V639611	0.189
BRS-17-04	98.27	99.5	1.23	V639612	0.156
BRS-17-04	108	108.41	0.41	V639619	0.156
BRS-17-05	57.5	58.5	1	V639736	0.107
BRS-17-05	60	61	1	V639738	0.491
BRS-17-05	61	62	1	V639739	2.45
BRS-17-05	62	63	1	V639741	0.362
BRS-17-05	80	81	1	V639743	0.136
BRS-17-05	81	82.14	1.14	V639744	0.486
BRS-17-05	82.14	82.6	0.46	V639745	1.035
BRS-17-05	82.6	83.8	1.2	V639746	0.616
BRS-17-05	84.8	85.42	0.62	V639748	0.242
BRS-17-05	105	106	1	V639753	0.126
BRS-17-05	106.37	107.5	1.13	V639755	0.209
BRS-17-05	122	123	1	V639759	0.721

Table 11 - 2017 DDH Intersections (≥0.1 g/t Au) on the Lac Rouleau South (BRS)

Drill Hole No.	From (m)	To (m)	Length (m)	Sample Number	Au (ppm)
BRS-17-06	95	95.71	0.71	V639851	1.59
BRS-17-06	95.71	96.5	0.79	V639852	20.5
BRS-17-06	96.5	97.58	1.08	V639853	1.825
BRS-17-06	115	115.82	0.82	V639866	0.302
BRS-17-06	178.54	179.5	0.96	V639886	0.186
BRS-17-06	179.5	180.34	0.84	V639887	0.209
BRS-17-06	184.75	185.75	1	V639892	0.172
BRS-17-06	186.25	186.34	0.09	V639893	0.529
BRS-17-06	205.5	206.74	1.24	V639902	0.109
BRS-17-07	48	49.3	1.3	W300011	0.148
BRS-17-07	50	51	1	W300013	0.494
BRS-17-07	132	133	1	W300062	0.307
BRS-17-07	134	135	1	W300064	0.167
BRS-17-07	135	136	1	W300065	0.986
BRS-17-07	136	137	1	W300066	3.31
BRS-17-07	137	138	1	W300067	0.218
BRS-17-07	138	139	1	W300068	0.317
BRS-17-07	139	140	1	W300069	0.329
BRS-17-07	150	151	1	W300073	0.728
BRS-17-07	161	162	1	W300078	0.35
BRS-17-07	162	163	1	W300079	0.13
BRS-17-07	163	164	1	W300081	0.184
BRS-17-07	290	291	1	W300124	0.349
BRS-17-07	398.5	400.1	1.6	W300189	0.126
BRS-17-07	418	419	1	W300202	0.15
BRS-17-08A	258	259	1	W300297	0.194
BRS-17-08A	267	268.5	1.5	W300305	0.178
BRS-17-08A	280.5	282	1.5	W300309	0.206
BRS-17-09	83.1	84	0.9	W300337	0.112
BRS-17-09	108	108.8	0.8	W300346	0.131
BRS-17-09	180.5	181.2	0.7	W300381	0.687
BRS-17-09	181.2	182.5	1.3	W300382	0.402
BRS-17-09	293.9	294.6	0.7	W300418	0.162
BRS-17-09	321.75	322.25	0.5	W300439	1.63
BRS-17-09	373.3	374.42	1.12	W300459	0.283
BRS-17-09	391	392.44	1.44	W300474	0.864

Drill Hole No.	From (m)	To (m)	Length (m)	Sample Number	Au (ppm)
BRS-17-10	18.5	19.5	1	W300508	25.6
BRS-17-10	19.5	20.5	1	W300511	0.414
BRS-17-10	20.5	21.5	1	W300512	0.151
BRS-17-10	23.5	24	0.5	W300515	0.677
BRS-17-13	109	110	1	W204347	0.107
BRS-17-14	128	129	1	W204408	0.294
BRS-17-14	132	133	1	W204411	0.438
BRS-17-14	133	134	1	W204412	0.503
BRS-17-14	134	135	1	W204413	0.28
BRS-17-14	155	156	1	W204424	0.134
BRS-17-15	105	106	1	W204502	0.124
BRS-17-15	131	132	1	W204506	1.39
BRS-17-15	135	136	1	W204510	0.127
BRS-17-15	136	137	1	W204511	0.501
BRS-17-15	137	138	1	W204512	0.525
BRS-17-15	138	139	1	W204513	0.383
BRS-17-15	168	169	1	W204521	0.179

## 10.3 ZONE 17

Four (4) diamond drill holes were completed in 2017 in the area of the Lac Rouleau Zone 17 in order to verify and follow-up of lateral extension of the mineralized zone previously defined and validate IP anomalies. A total of 567 meters were drilled. Table 12 (here below) shows Technical Parameters and Figure 16 shows the location of these drill holes.

The drill core samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, core logging, data validation and supervision of this 2017 drilling program were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

Table 12 - 2017 Technical Parameters on the Lac Rouleau Zone 17 (BRL series)

Drill Hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BRL-17-06	457006	5430519	389	345	-45	99
BRL-17-07	456856	5430716	330	345	-45	150
BRL-17-08	456920	5430733	327	165	-50	207
BRL-17-09	456383	5430600	390	165	-45	111

The mineralization is mostly within a brecciated strongly silicified and moderately

carbonatized felsic tuff units. Locally, these units are cut by felsic to intermediate intrusive dykes and/or dioritic plug. The host rock consists of a dark grey or beige silicified and carbonatized matrix containing cream, beige, light brown or grey and rarely greenish coloured angular light sericitized fragments with rare occurrences of tiny white albite crystals. A diorite intrusive unit contains several quartz-carbonate veins and veinlets with locally tourmaline and pyrite. Zone 17 is cut by irregular veinlets of ankerite and white-grey quartz mostly, and haired black material possibly black quartz, chlorite, graphite and/or tourmaline. Tiny white albite crystals are sometimes observed standing on guard at right angle to the quartz-carbonate veinlets. Some multi-meter sections show a brownish colour cut with variable quantity of white to sometimes grey quartz and carbonate veinlets.

Beaufield used appropriate QA/QC protocols, employing duplicates, blanks and standards. A total of 200 core samples were sawed for a total length sampled of 201.1 meters which represents 35% of total drill hole core length; and 5 QA/QC control samples were added. Table 13 (here below) presents the most significant intersections more than 0.1 g/t Au (all the Laboratory Assay Results and DDH descriptions are available at Beaufield's Office).

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BRL-17-06	39.00	40.00	1.00	S653852	0.23
BRL-17-07	34.00	35.00	1.00	S653894	0.10
BRL-17-08	148.00	149.00	1.00	S653981	0.14
BRL-17-08	104.00	105.00	1.00	S653960	0.16
BRL-17-08	177.00	178.00	1.00	S653995	0.16
BRL-17-08	185.00	186.00	1.00	S650203	0.16
BRL-17-08	184.00	185.00	1.00	S650202	0.26
BRL-17-08	102.6	104.00	1.40	S653959	0.52

Table 13 - 2017 DDH Intersections (≥0.1 g/t Au) on the Lac Rouleau Zone 17 (BRL)

# **10.4 LAC ROULEAU PENINSULA AREA**

Four (4) diamond drill holes were completed in 2016 in the area of the Lac Rouleau Peninsula Area in order to verify and follow-up of possible lateral and depth extensions of the mineralized zone previously defined by Bonterra immediately to the southeast (named Rivage Zone) and one (1) to verify an IP anomaly immediately at the southwest of the Rouleau lake. A total of 2,944 meters were drilled. Table 14 (here below) shows Technical Parameters and Figure 16 shows the location of these drill holes.

The drill core samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, core logging, data validation and supervision of this 2017 drilling program were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

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Drill Hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BR-16-01	455125	5427550	395	125	-45	765
BR-16-02	455123	5427553	394	90	-45	951
BR-16-03	455116	5427546	395	180	-45	886
BR-16-04	454966	5427733	400	180	-45	168
BR-16-05	455606	5429044	404	360	-45	174

Table 14 - 2017 Technical Parameters on the Lac Rouleau Peninsula Area (BR series)

The mineralization is mostly within moderately silicified and carbonatized felsic tuff units. Locally, these units are cut by dioritic intrusive unit. The host rock consists of a dark grey or beige silicified and carbonatized matrix containing cream, beige, light brown or grey and rarely greenish coloured angular light sericitized fragments with rare occurrences of tiny white albite crystals. Dioritic intrusive contains several quartz-carbonate veins and veinlets with locally tourmaline and pyrite.

Beaufield used appropriate QA/QC protocols, employing duplicates, blanks and standards. A total of 1,422 core samples were sawed for a total length sampled of 1,429.06 meters which represents 48% of total drill hole core length; and no QA/QC control samples. Table 15 (here below) presents the most significant intersections more than 0.1 g/t Au (all the Laboratory Assay Results and DDH descriptions are available at Beaufield's Office).

Drill Hole No.	From (m)	To (m)	Length (m)	Sample number	Au (g/t)
BR-16-01	244.80	245.80	1.00	S484977	0.15
BR-16-01	42.80	43.85	1.05	S484892	0.53
BR-16-02	339.00	340.00	1.00	S485364	0.10
BR-16-02	356.00	357.00	1.00	S485381	0.10
BR-16-02	248.00	249.00	1.00	S485308	0.12
BR-16-02	360.00	361.00	1.00	S485385	0.13
BR-16-02	324.00	325.00	1.00	R013190	0.38
BR-16-02	681.00	682.00	1.00	R013443	0.99
BR-16-03	523.00	524.00	1.00	S648252	0.20
BR-16-04	86.00	87.00	1.00	S648518	0.11
BR-16-04	85.00	86.00	1.00	S648517	0.17
BR-16-04	140.00	141.00	1.00	S648537	0.26

Table 15 - 2016 DDH Intersections (≥0.1 g/t Au) on the Lac Rouleau Extreme Area (BR)

# 10.5 ET ZONE

Six (6) diamond drill holes were completed in 2017 in the ET Area in order to verify and follow-up of the EM anomalies in the NW part of the Rouleau block where the southern limb of the Windfall fold is interpreted. A total of 1,984.3 meters were drilled. Table 16 (here below) shows Technical Parameters and Figure 16 shows the location of these drill holes.

The drill core samples were assayed by ALS Minerals in Val-d'Or (Quebec). The planning, core logging, data validation and supervision of this 2017 drilling program were completed by Beaufield with the data validation by Geologica from Val-d'Or (Quebec).

Drill Hole No.	East UTM	North UTM	Elevation	Azimuth	Dip	Length (m)
BUET-17-01	452704	5433090	404	180	-55	204
BUET-17-02	453271	5432751	411	354.7	-66	186
BUET-17-03	453182	5433183	412	188	-55	186
BUET-17-04	453119	5432228	413	135	-45	597
BUET-17-05	453549	5432927	395	22	-45	582
BUET-17-06	453547	5432924	396	90	-45	229.3

Table 16 - 2017 Technical Parameters on the Buteux Area (BUET series)

The mineralization is mostly within moderately silicified and sulphidized gabbroic units. Gabbroic intrusive unit contains several quartz-carbonates with locally pyrite veins and veinlets.

Beaufield used appropriate QA/QC protocols, employing duplicates, blanks, duplicate and standards. A total of 560 core samples were sawed for a total length sampled of 680.02 meters which represents 34% of total drill hole core length; and 31 QA/QC control samples were added. No significant values were obtained during this campaign (all the Laboratory Assay Results and DDH descriptions are available at Beaufield's Office).

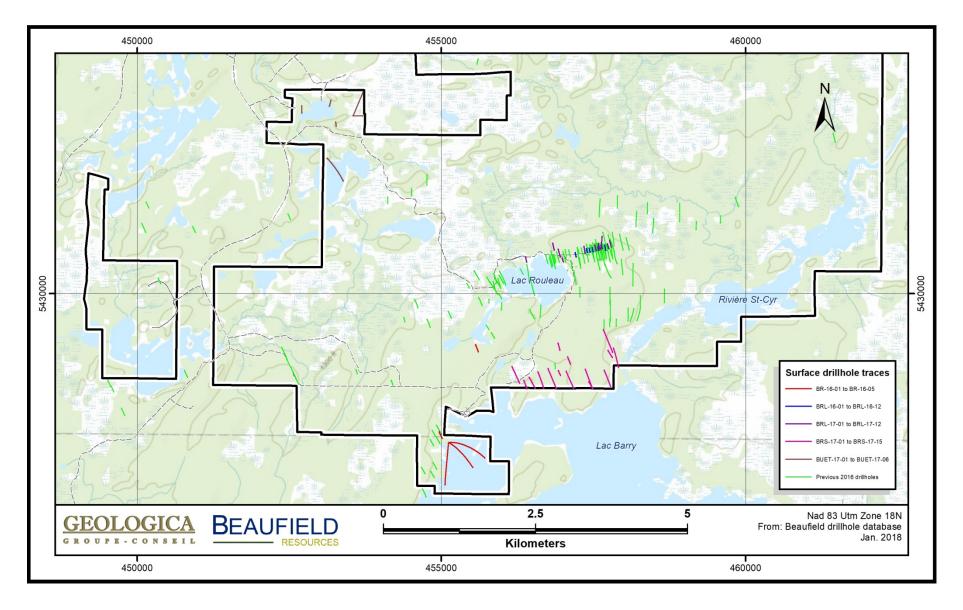


Figure 16 - 2016-2017 Diamond drill hole locations

# 11.0 PREPARATION, ANALYSIS AND SECURITY

Drilling programs carried out by Beaufield in 2016 and 2017, the sampling completed by Beaufield was assayed by ALS Minerals in Val-d'Or (Quebec).

Procedures for routine fire assaying are to initially crush the entire sample to – 10 mesh, then a 300 g sub-sample is split and pulverized to 95 % - 150 mesh, and a 30 g sub-sample is fire assayed using standard industry procedures, with the gold content determined by atomic absorption spectrometry. For gold (Au), each sample was assayed by Fire Assay and AA Finish, when values reporting  $\geq$  10 ppm Au are repeated by Fire Assay with a gravimetric Finish upper reporting limit of 100 g/t Au. Thirty-five (35) other elements were assayed by the method Aqua Regia ICP-AES.

For security and quality control, diamond drill core samples were catalogued on sample shipment memos, which were completed at the time samples, were being packed for shipment. Duplicates, standards and blanks were included and the partial core was photographed by geologists. The splitting of samples by saw and sample preparations for shipping were completed by Beaufield's technicians.

The material used for standards comprised certified reference material purchased from commercial facilities specializing in their manufacture (CCRMP Canmet Mining and Mineral Sciences Laboratories in Ottawa (Ontario) and Ore Reseach & Exploration in Australia). All material used for blank samples consists of barren limestone. Laboratories also added their own quality control standards. In case of any doubt regarding the validity of a sample, the entire batch was re-assayed.

The authors believe that the sample preparation, security and analytical procedures are correctly applied. Results obtained by the laboratory are representative of the mineralization in comparison with results obtained in the past for all mineralized zones on the Property.

# 11.1 Results of Quality Control

## 11.1.1 Blanks

The field blanks used in the 2016-2017 drilling programs is from a gold-barren sample of crushed white marble. Each field blank was inserted randomly in the sequence of samples, alternating with standards. Geologica recommends a quality control protocol stipulating that if any blank yields a gold value above 20 ppb Au, the batch of sample containing the blank should be re-assayed. For 2016-2017 drilling program, no batch was re-assayed.

# 11.1.2 Certified Reference Material (Standards)

One certified reference material (CRM or "standard") was inserted randomly in the sequence of samples, alternating with blanks, during the 2016-2017 drilling programs. Four (4) standards were used, with gold grades ranging from 3.02 g/t Au to 17.00 g/t Au as follows:

- MA-1B with a theoretical value of  $17.000 \pm 0.300$  g/t Au;
- MA-2C with a theoretical value of  $3.020 \pm 0.060$  g/t Au;
- OREAS 214 with a theoretical value of 3.030 ± 0.080 g/t Au;
- OREAS 216 with a theoretical value of  $6.660 \pm 0.160$  g/t Au.

Geologica's quality control protocol stipulates that if any analyzed standard yields a gold value above or below three times the standard deviation (±3SD) of the certified grade for that standard, then ten samples before and after the standard in the batch should be re-analyzed. For 2016-2017 drilling program, no batch was re-assayed.

# 11.4.3 Duplicates

The quality control protocol requires a coarse duplicate be prepared for one sample selected among every 50 samples. The duplicate is prepared by taking half of the crushed material derived from the original sample. By measuring the precision of the coarse duplicates, the incremental loss of precision can be determined for the coarse crush stage of the process, thus indicating whether two sub-samples taken after primary crushing is adequate for the crushed particle size to ensure a representative sub-split.

Duplicates are used to check the representativeness of results obtained for a given population. To determine reproducibility, precision (as a percentage) is calculated according to the following formula:

Precision (%) =	(Duplicate Sample Gold Grade – Original Sample Gold Grade)		100
	Average Between Duplicate Sample Gold Grade and Original Sample Gold Grade	×	100

Precision ranges from 0 to 200%, with the best being 0%, meaning that both the original and the duplicate sample returned the same grade.

The correlation coefficient (%) is given by square root of R<sup>2</sup> and represents the degree scatter of data around the linear regression slope. The results obtained indicate a good reproducibility of gold values for 2016-2017 with 70% to 100%.

## **12.0 DATA VERIFICATION**

Due to the early winter conditions hindering access to the Property, no property visit has been conducted at this time of writing due to the early winter season. The authors will make a property visit in early summer 2018 during better conditions and also resampling some significant intersections obtained during the drilling campaign in 2016 and 2017.

The majority of the historical information used in this report was taken mainly from reports produced before the implementation of National Instrument 43-101 (the "NI 43-101") for the *Standards of Disclosure for Mineral Projects* within Canada. Little is known about sample preparation or analytical and security procedures for the historical work in the reviewed documents. The authors have reviewed and verified the existing data of all available past and recent reports. According to elements reported in the statutory documents, sampling work and the analysis thereof seem to have been done according to standards in force at that time and are still valid today, even though the procedure and method are not described.

## **13.0 MINERAL PROCESSING AND METALLURGICAL TESTING**

No Mineral Processing and Metallurgical testing has yet been undertaken on the Property by Beaufield.

# 14.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

No Mineral Resource and Mineral Reserve Estimates have yet been undertaken on the Property by Beaufield.

# **15.0 ADJACENT PROPERTIES**

The favorable mineral context of the Urban-Barry Belt has prompted many exploration companies and prospectors to stake claims in the area (Figure 17). Four mining holders, adjacent to the Property, holding promising gold deposit are here below presented.

## 15.1 Osisko Mining - Windfall Lake Gold Deposit

Located to the north and east of the Lac Rouleau Block of the Urban Project, Osisko has the largest claim block in the area covering more than 75.000 hectares. Windfall Lake Deposit, originally called Alto Showing was discovered in the 1990's by Alto Minerals and Noront. The property which was recently acquired from Eagle Hill Exploration is located WNW and along strike of the parallel stratigraphy and structures hosting Beaufield's Zone 18 deposit. The more recent (2014) NI 43-101 mineral resource estimate, prepared by SRK for Eagle Hill Exploration, shows indicated 2.76 Mt @ 8.42 g/t Au for a total of 748,000 ounces of gold and inferred 3.51 Mt @ 7.62 g/t Au for a total of 860,000 ounces of gold. (http://www.osiskomining.com/projects/urban barry/windfall).

Adjacent to the Windfall deposit, a series of parallel NE-SW mineralized zones was identified Lynx 1 to 6 have revealed significant gold values. The recent Press Release (January 23, 2018) shows the best values obtained: 415 g/t Au over 5.9 metres and 19.9 g/t Au over 8.8 metres in OSK-W-17-1166-W1; 43.7 g/t Au over 4.8 metres in OSK-W-17-1128; 25.1 g/t Au over 4.5 metres in OSK-W-17-1386; 46.3 g/t Au over 2.4 metres in OSK-W-17-909-W4; 26.1 g/t Au over 4.2 metres in OSK-17-W-1156; 42.1 g/t Au over 2.0 metres in OSK-W-17-931; 17.4 g/t Au over 4.8 metres in OSK-W-17-1166-W4; 11.8 g/t Au over 5.5 metres in OSK-W-17-958; and 23.4 g/t Au over 2.0 metres in OSK-W-17-1397. These mineralized zones are located immediately to the west of the NW corner of the Rouleau Block.

# 15.2 Bonterra Resources - Gladiator Gold Deposit (formerly Eastern Extension)

Located immediately south of Beaufield's Zone 18 deposit the property, which is at an early stage exploration, was discovered by drilling in 1990's by Abitex Resources of Val-d'Or, Quebec (Xemac Showing). The acquisition in 2010 of Urban-Barry Claim Block, previously held by North American Exploration and Lavoie property held by Mike Lavoie, permitted Bonterra to obtain a strategic position in the Urban-Barry mining camp giving access to the eastern and western potential extensions. For Eastern Extension Zone, Snowden (2011) reported NI 43-101 "Inferred" mineral resources of 905,000 tonnes @ 9.37 g/t Au (4 g/t Au cut-off grade) for 273,000 ounces of gold).

(http://www.bonterraresources.com/en/gladiator/overview).

## 15.3 Metanor Resources – Barry Gold Deposit

The Barry Gold Deposit is located west of Beaufield's Lac Rouleau Block of the Urban Project

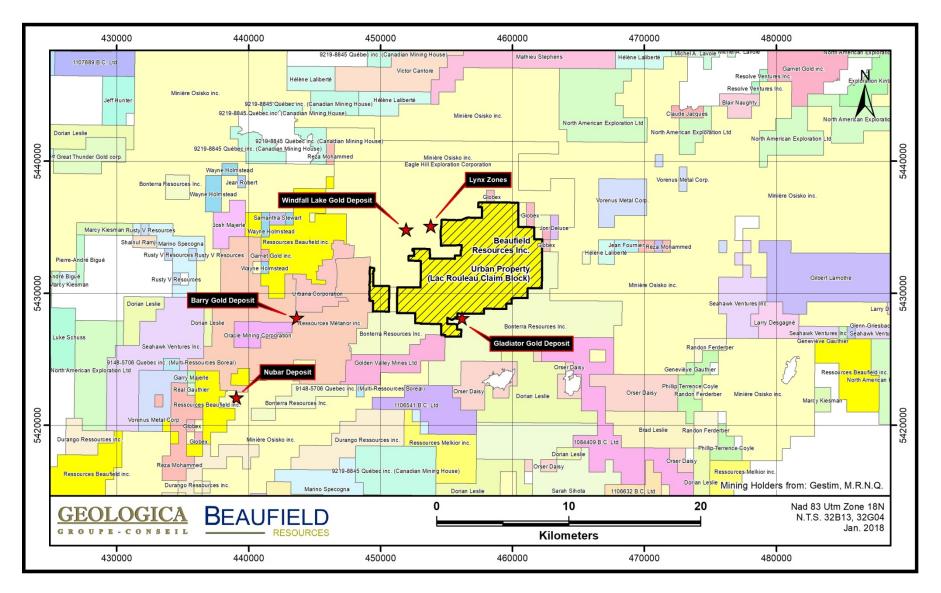
and was discovered at the beginning of the '90 by Murgor Resources following numerous prospections, geological and geophysical surveys carried out by previous holders. Thereafter an intense diamond drilling program permitted Murgor to better define the deposit. The property consists of one miming lease covering an area of 112.04 hectares which is surrounded by 179 claims covering an area of 8,075 hectares. A NI 43-101 updated Mineral Resource Estimate carried out by GoldMinds Geoservices in 2016 reported 8.4 Mt @ 1.13 g/t Au (305,400 ounces of gold) of Measured and Indicated resources; and inferred of 31.92 Mt @ 1.02 g/t Au (1,046,000 ounces of gold).

(http://www.metanor.ca/en/propriete/barry)

# 15.4 Osisko Mining – Souart (Nubar) Deposit

A little farther southwest Osisko also hold the former Key Gold Holding Souart Property now named Black Dog Project. Three zones have been defined by historical work on the property including the Nubar Zone with historical estimated resources (that have not been prepared in accordance with NI 43-101) of 564,000 tonnes @ 6.2 g/t Au. (http://www.osiskomining.com/projects/urban\_barry)

The resource estimate for the Souart Deposit, indicated above, is of a historical nature and is non-compliant with the new version of 43-101. However, the authors believe that this information gives a conceptual indication of the potential of the area and that it is pertinent to this report. The qualified persons have been unable to verify the information and the information is not necessarily indicative of the mineralization on the property that is the subject of the technical report





# 16.0 OTHER RELEVANT DATA AND INFORMATION

No historical environment liabilities were found to exist on the Lac Rouleau Block of the Urban Property. In terms of permitting, Beaufield required work permits for any construction of access for diamond drilling or stripping / trenching activities, or for clearing of lumber on the claims holdings.

# **17.0 INTERPRETATION AND CONCLUSIONS**

The Lac Rouleau Block of the Urban Project shows the highest distribution of gold occurrences from drill holes and showings. This distribution mainly surrounds Rouleau Lake. Underlying rocks consist of altered silicified, sericitized and carbonatized felsic to intermediate and volcanic rocks with some minor sedimentary units and gabbroic to granodioritic intrusions. Three main gold mineralized zones (Zones 14, 17 and 18), six showings (No 1, 2, 3 and 4; the Quesnel and Cominco showings) and several gold occurrences from drill holes were discovered within the Rouleau Lake area and on the rest of the property.

Zones 14, 17 and 18 locally outcrop. They have been traced by drilling over 1.4 km strike length and are all hosted by the Rouleau Shear Zone.

In Zone 14, the best assay averages returned 1.63 g/t over 3.68 m in hole 88-14, and 3.50 g/t over 1.55 m in hole 86-16. In Zone 17, the best assay averages returned 21.4 g/t over 1.48 m in hole 87-17, and 42.41 g/t over 0.90 m in hole 87-61.

Zone 18 is the most significant of all mineralized zones. In total 29 (pre-2016) and 21 (2016-2017) drill holes were drilled across this zone. The zone has been traced by drilling over a strike length of 575 m and down to a vertical depth of 600 m.

The lateral and depth extensions of Zone 18 still have potential for a larger and richer mineral deposit. The Rouleau Lake Shear Zone is an important feature responsible for gold mineralization; its lateral strike extension offers additional potential. Possible occurrences of branching-off shear zones must also be considered.

Recent drilling by Beaufield has uncovered a potential new zone located north of Zone 18 with hole BRL-17-02 with 1.55 g/t over 2m within a 13m wide anomalous gold intersection. Although relatively low, these values warrant further investigation.

With the exception of two small areas, the northern half of the Rouleau Block remains greatly underexplored. The area is mostly covered by swamps and access is limited due to lack of roads and trails. From a geological standpoint, this area may be the most promising for discovery due to the presence of major structures such as a major synclinal, faults and shears and a major intrusive body believed to be of felsic composition.

On the southwest part of this felsic intrusion, in an area known as Tourmaline Ridge (Figure 18), historical work has defined geophysical (IP and VTEM) targets over anomalous gold in

surface soil and humus samples. The area is of interest due to its location being in a pressure shadow environment, were mineralized fluids may have concentrated. 3 drill holes did target the area, but may have been too far west to truly test the best targets as the geological context was less understood at the time. Additional soil surface sampling is recommended over the area to confirm historical work prior to drilling.

On the northeastern part of the Rouleau Block (Figure 18), the same pressure shadow context is assumed to be present and airborne magnetic data suggests that a NE-SW major fault or shear is present. Work in the area is limited to the recently completed VTEM survey which defined a moderate to weak and pervasive anomaly. Both a geochemical sampling (where possible) and a winter IP survey is recommended for the area to properly define drill targets.

On the east part of the Rouleau block (Figure 18), 2 large VTEM anomalies have been discovered. Prospecting, geological mapping and a soil survey are recommended for the area prior to drilling.

Several other areas shown in Figure 18 have also been retained for further exploration activity based on available historical information and newly acquired data.

The authors firmly believe in the exploration potential of the property. Additional exploration work is proposed.

## **18.0 RECOMMENDATIONS**

Based on the recent and past results obtained on the Lac Rouleau Block of the Urban Project, Geologica recommends an exploration program in two (2) Phases:

- Phase 1: Geoscientific Compilation, Complementary surface exploration work including local Grid-line cutting, ground geophysical surveys (magnetic and induced polarization), geochemical sampling, follow-up prospection, detailed mapping, sampling and preparation of a work report.
- Phase 2a: Diamond drilling (NQ size) on the most interesting geological, geochemical and/or geophysical targets if warranted in Phase 1.
- Phase 2b: 3D Modelling and Resource Estimate for Zone 18 with an update of NI 43-101 Technical Report if warranted in Phase 2a.

# Detailed proposed budget

# PHASE 1: BASIC EXPLORATION WORK

Geoscientific Compilation :	10 000 \$
<ul> <li>Local Grid-line cutting : 40 km at 800\$/km (including: mobilization &amp; demobilization)</li> <li>Ground magnetic survey:</li> </ul>	32 000 \$
<ul> <li>40 km at 500\$/km (including: mobilization &amp; demobilization)</li> <li>IP survey on selected lines:</li> </ul>	20 000 \$
40 km at 2,000\$/km (including: mobilization & demobilization)	80 000 \$
<ul> <li>Geochemical sampling (soil and till)</li> </ul>	30 000 \$
<ul> <li>Reconnaissance &amp; Detailed mapping (1 geologist &amp; 1 technicia</li> </ul>	
60 days at \$1,000/day	60 000 \$
Sample analysis (200 at 30\$/sample)	6 000 \$
Transport (All-terrain vehicle (ATV) and truck)	14 000 \$
<ul> <li>Logistics (Camp set-up, satellite phone, food, accommodation,</li> </ul>	
fuel, etc.)	20 000 \$
<ul> <li>Data compilation, digitalization &amp; fieldwork report</li> </ul>	<u>30 000 \$</u>
Sub-total:	302 000 \$
Administration (~5%):	15 000 \$
Contingencies (~10%):	<u>33 000 \$</u>
	<u>00 000                               </u>
TOTAL PHASE 1:	<u>350 000 \$</u>
PHASE 2a: DIAMOND DRILLING (if warranted in Phase 1)	J
<ul> <li>Drilling (NQ type) on most significant geophysical, geochemica and geological targets:</li> </ul>	LI
$3\ 000\ m\ @\ 250\$ / m (all included)	750 000 \$
PHASE 2b: RESOURCE ESTIMATE (if warranted in Phase 2a)	
Data digitalization, 3D modelling:	30 000 \$
<ul> <li>Resource Estimate and NI 43-101 Technical Report</li> </ul>	70 000 \$
	<u> </u>
Sub-total Phases 2a & 2b:	850 000 \$
Administration (~5%):	42 000 \$
Contingencies (~10%):	<u>88 000 \$</u>
TOTAL PHASE 2:	<u>980 000 \$</u>
TOTAL PHASES 1 AND 2:	<u>1 330 000 \$</u>

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## GÉOLOGICA GROUPE-CONSEIL

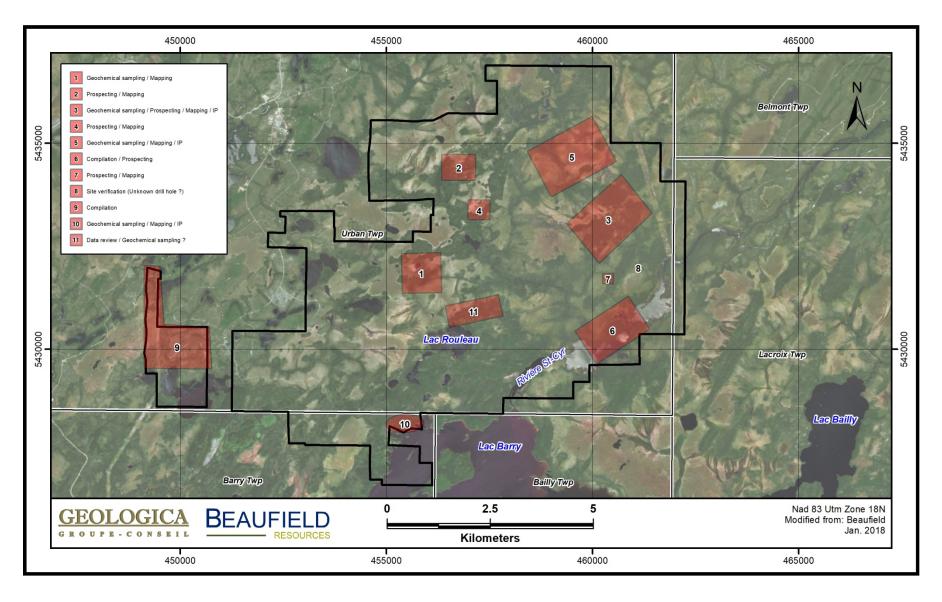


Figure 18 - 2018 Summer Exploration Plan

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