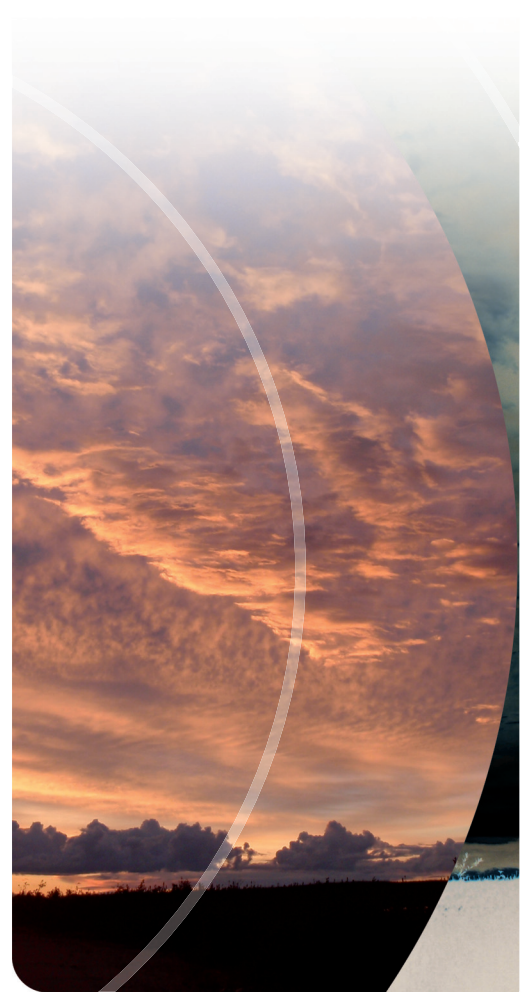


NEW MINERAL EXPLORATION TARGETS

2011 GEOSCIENCE PROJECTS



New Mineral Exploration Targets

2011 Geoscience Projects

PRO 2011-07

Introduction

Géologie Québec presents the targets of economic interest identified during the 2011 geoscience projects. Geoscience knowledge acquisition is one of the main missions of Géologie Québec. This knowledge is acquired in order to encourage the mining industry to develop Québec's mineral resources by increasing exploration activity and discovering new deposits.

During their fieldwork, geologists of the Ministère des Ressources naturelles et de la Faune identified zones with a favourable geological setting for mineral exploration. These areas of interest have not been studied in detail but warrant further investigations by exploration companies. Newly acquired data on these areas of interest were processed in a preliminary fashion and will be made public during Québec Exploration 2011.

2011 Mineral Exploration Targets

In this document, a target corresponds to a zone where the geological setting is favourable for mineral exploration and where further exploration work is deemed relevant. The data provided on these targets are essentially based on field observations. These exploration targets are not, for the moment, archived in Québec's Geomining Information System (SIGEOM). They may eventually be classified as a "showing" once their economic value has been confirmed, notably by geochemical analyses.

As a result of the geoscience projects completed in 2011, 62 targets have been identified. There are three categories of targets: (1) ponctual targets measuring less than 100 metres,

(2) local targets between 100 metres and 1 kilometre in size, and (3) regional targets greater than 1 kilometre in size.

Target locations are shown on the map of Québec. They are briefly described in a table, in which they are grouped by geological region and by mineral substance. The table also indicates their precise geographical location and their administrative region. Finally, the name of the project from which they originate and the corresponding poster number are also listed. For further information, those who plan to attend Québec Exploration 2011 are invited to consult the posters of knowledge acquisition projects and meet the project geologists, to find out more about these new exploration targets and about the mineral potential in Québec's various regions. In addition, these various targets are located on the site " Gestion des titres miniers, GESTIM " at the following address:

https://gestim.mines.gouv.qc.ca/MRN_GestimP_Presentation/ODM02101_login.aspx

For further details concerning our geoscience knowledge acquisition projects, interested parties can inquire at the Bureau d'exploration géologique du Québec or communicate by e-mail with the persons in charge:

Bureau d'exploration géologique du Québec
400, boulevard Lamaque, bureau 1.02
Val-d'Or (Québec) J9P 3L4
Phone: 819 354-4514
Fax: 819 354-4508

Contact	Project	E-mail
Jean Goutier, regional geologist Daniel Bandyayera, regional geologist	Mapping – Lac Nochet area, Baie-James	jean.goutier@mrnf.gouv.qc.ca daniel.bandyayera@mrnf.gouv.qc.ca
Isabelle d'Amours, geophysicist	Airborne spectrometric survey – Kuujuaq area	isabelle.damours@mrnf.gouv.qc.ca
Hanafi Hammouche, regional geologist Isabelle Lafrance, regional geologist	Mapping – Kuujuaq area	hanafi.hammouche@mrnf.gouv.qc.ca isabelle.lafrance@mrnf.gouv.qc.ca
François Leclerc, regional geologist	Mapping and compilation – Chapais-Chibougamau region	francois.leclerc@mrnf.gouv.qc.ca
Abdelali Moukhsil, regional geologist Fabien Solgadi, regional geologist	Mapping – Daniel-Johnson dam area	abdelali.moukhsil@mrnf.gouv.qc.ca fabien.solgadi@mrnf.gouv.qc.ca
Pierre Pilote, metallogenist	Mapping and compilation – Matagami area	pierre.pilote@mrnf.gouv.qc.ca
Pierre-Luc Deschênes, regional geologist Guillaume Allard, quaternary geologist	Overburden drilling – Rivière Octave area	pierre-luc.deschenes@mrnf.gouv.qc.ca guillaume.allard@mrnf.gouv.qc.ca

Please note that other areas of economic interest were also identified during 2011 and are presented in the following publications:

LABBÉ, J.-Y., 2011 – New lake-bottom sediment geochemistry data in the Saguenay–Lac-Saint-Jean region. Ministère des Ressources naturelles et de la Faune, Québec; PRO 2011-02, 12 pages.

LAMOTHE, D., 2011 – Potentiel en minéralisations de sulfures massifs volcanogènes de l'Abitibi – Version 2011. Ministère des Ressources naturelles et de la Faune, Québec; EP 2011-01, 18 pages, 1 plan. (This work has outlined 3611 areas of high favorability, including more than 365 unclaimed targets as of April 9th, 2011)

D'AMOURS, I., 2011 – Exploration targets in the upper Eastmain River area, Baie-James, Québec: interpretation of a new geophysical survey. Ministère des Ressources naturelles et de la Faune, Québec; PRO 2011-04, 16 pages. (This document identifies 75 targets unclaimed for diamonds and 45 unclaimed targets for uranium from a new magnetic and gamma-ray spectrometry survey carried out in 2010 on sheets 32P16, 33A01 to 08 and 33B01, 02, 07 and 08)

Editing: Charles Gosselin
Compilation of data: Claude Dion
Graphic arts: André Tremblay

www.mrnf.gouv.qc.ca/produits-services/mines.jsp
Dépôt légal – Bibliothèque et Archives nationales du Québec, 2011
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Number and Name	Size	Localisation (UTM NAD83)	NTS Sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
Churchill Province (Far North) – Nord-du-Québec administrative region								
(1) Urani 22	Local	Zone 19 536971 mE 6418609 mN	24F16	Airborne spectrometric survey and mapping – Kuujuaq area	269	Isabelle D'Amours Isabelle Lafrance	U-Th-REE	A 700 m wide circular airborne spectrometric anomaly with a maximal value of 319 cps in the U window. Whish granite with BO schlierens and pegmatitic bodies containing metric paragneiss and calc-silicate rock layers. Spectrometric anomalies reaching 22 000 cps (2807 ppm eqU and 376 ppm eqTh) within an area >70 x 30 m with high background values (>3000 cps) in the granite.
(2) MP-1016	Ponctual	Zone 19 669249 mE 6446617 mN	24J01	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Mo-Ag	Quartz-rich pegmatitic granite (2 m x 50 m) with MO clusters. The pegmatite cuts metric to decametric sheared rusted zones with sulphides (1-2% PO-PY) in migmatized paragneiss. Mo and Ag anomalies in lake-bottom sediments nearby.
(3) Syénite Sud	Regional	Zone 19 619730 mE 6432380 mN	24J02	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	REE-Nb-Zr-Ta-Y-Li	Monzonite and clinopyroxene syenite intrusion which coincide with a strong 6 km x 1 to 2 km NNW-SSE magnetic anomaly. Li and Zn anomalies in lake-bottom sediments nearby.
(4) Syénite Nord	Regional	Zone 19 612535 mE 6447785 mN	24J03	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	REE-Nb-Zr-Ta-Y-Li	Monzonite and clinopyroxene syenite intrusion which coincide with a strong 6 km x 1 to 2 km NW-SE magnetic anomaly. La, Li and Zn anomalies in lake-bottom sediments nearby.
(5) Lac Slurivvik	Regional	Zone 19 613023 mE 6442099 mN	24J03	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Ni-Cu-PGE	Pyroxenite and MG-rich gabbro which coincide with a strong 3.5 km x 600 m NW-SE magnetic anomaly. Some decimetre to metre-wide rusted zones with 3% sulphides (PY-PO-CP). Zn and As anomalies in lake-bottom sediments nearby.
(6) MP-1049	Ponctual	Zone 19 611211 mE 6443045 mN	24J03	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Zn-Cu	Decimetre to metre-wide rusted layers exposed on 1 to 25 m length with finely disseminated sulphides (<5% PO) at the contact between mafic amphibolites and intermediate to felsic layers. Alteration (GR-SM) and Zn-As anomalies in lake-bottom sediments nearby.
(7) CT-7017	Ponctual	Zone 19 584604 mE 6446090 mN	24J04	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	Numerous metre-wide rusted and sulphide-rich zones (5-10% PO, 5-25% PY, tr CP) associated with strong SR-GR-Si-EP alteration in amphibolite-paragneiss sequence. Coincide with a 7 km x 700 m VNW-SSE magnetic anomaly.
(8) HH-4079	Ponctual	Zone 19 586314 mE 6432614 mN	24J04	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	Deformed rusted layer, 30 m x 150 m in dimension, in graphite-rich GR paragneiss
(9) Cisaillement de Falcoz	Regional	Zone 19 669422 mE 6468794 mN to 643668 mE 6500461 mN	24J08 24J09 24J10	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	NW-SE deformation corridor approximately 5 km x >40 km with numerous metre to decametre-wide silicified paragneiss rich in graphite and disseminated sulphides (<5% PO-PY-MO-CP). These layers are sometimes brecciated and locally interbedded with amphibolite and aluminous paragneiss. Presence of QZ veins and veinlets up to 8 m wide.
(10) Lac Quinjulik	Ponctual	Zone 19 674157 mE 6494613 mN	24J09	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Zn-Cu	Decametre-wide rusted sulphidic zones (10-15% PY, 1-2% PO, tr CP) in amphibolite, metasediment and ultramafic rock sequence. Zn, Mo, U, Co and Li anomalies in lake-bottom sediments nearby.
(11) MP-1094	Ponctual	Zone 19 658726 mE 6521394 mN	24J16	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	Black mudrock and siltstone sequence highly deformed and finely mineralized (2-10% PO-PY, tr GP) with decimeter to metre-wide calc-silicate rock layers and decimeter brecciated semi-massive sulphide layers (30-40% PO). Coincide with a NW-SE magnetic lineament.
(12) CL-5214	Ponctual	Zone 19 514145 mE 6477987 mN	24K07	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Cu-Ni-Co-Zn	Altered (Si-EP-AB) sulphidic layers (2-5% PO, 1-2% PY, tr CP), 20 to 25 m thick and traced for 100 to 200 m, in dionite and QZ-dionite. Cu, Ni, Co and Zn anomalies in lake-bottom sediments nearby.
(13) Ballantyne Nord	Ponctual	Zone 19 483333 mE 6493764 mN	24K11	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Cu	Sixty metres wide rusted zone at a metavolcanic-metasediment contact. Several layers 1 to 5 m wide are mineralized in CP-PO-BN-MC-CY-PY. This zone is associated with a strong NNW-SSE magnetic lineament. Li, Cu, Ag, Y and La anomalies in lake-bottom sediments nearby.

Number and Name	Size	Localisation (UTM INAD83)	NTS Sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
(14) Ballantyne Sud	Ponctual	Zone 19 487141 mE 6486756 mN	24K11	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Cu	Rusted layer 6 m x 500 m at the contact with fine-grained amphibolite. Interbedded decimeter to metric layers rich in GP, with precontact massive sulphide, iron formation and silicified rock with disseminated sulphides (PY-CP-PO-BN). This zone is associated with a strong NNW-SSE magnetic lineament. Y, Cu, Ag and La anomalies in lake-bottom sediments nearby.
(15) IL-3085	Local	Zone 19 502917 mE 6521357 mN	24K15	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Be-Li-REE	A number of TM-MV pegmatite outcrops, with local beryl crystals, injected in a gabbroic sequence. As and Li anomalies in lake-bottom sediments nearby.
(16) Rivière Dancelou	Regional	Zone 19 508020 mE 6516865 mN	24K15	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Ni-Cu-PGE	Some decimeter to decametric rusted zones in a 2 km wide sequence of ultramafic to mafic rocks. The rocks are often highly fractured, altered and mineralized (2-5% PO, tr CP).
(17) Petit Lac Diana	Regional	Zone 19 501900 mE 6484280 mN	24K07 24K10	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Ni-Cr-Cu-PGE	Several outcrops of ultramafic rocks and TM-FC schists coincide with a 400 m x 4.5 km NNW-SSE magnetic lineament. The rocks are sheared and injected by carbonate veins and veinlets. Ni, Cu and Zn anomalies in lake-bottom sediments nearby.
(18) MP-1121	Local	Zone 19 502562 mE 6517902 mN	24K15	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	Strongly magnetic gabbro often GR-rich with 1 to 5% finely disseminated PO and tr CP. Associated with a strong annular magnetic anomaly 8.5 km x 3.5 km. As anomalies in lake-bottom sediments nearby.
(19) Pointe Fiat	Ponctual	Zone 19 509487 mE 6529018 mN	24K15	Mapping – Kuujuaq area	269	Isabelle Lafrance Hanafi Hammouche	Varied	Metre-wide layers altered in PX-CB-GR and mineralized in PO (5 to 8%) and CP (<1%) in a sequence of amphibolite and paragneiss. The rocks are injected by CC-PY veinlets.
Superior Province (Baie-James) – Nord-du-Québec administrative region								
(20) 11-PB-4216	Local	Zone 18 591163 mE 5918040 mN	33H05	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Au	New volcanic belt 2 km x 33 km composed of felsic to mafic lavas. One zone 1 km x 2 km includes three mineralized horizons with >30% PY-PO and a lens with >65% PO.
(21) 11-JG-1029	Local	Zone 18 578047 mE 5914969 mN	33H05	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Cu-Ag	Oxide-silicate iron formation 3 km in length mineralized in PY-PO along the contact with mafic lavas. A sample from a massive sulphide lens gives 756 ppm Cu, 739 ppm Co and 1.4 g/t Ag. Local remobilization by late QZ-PY-PO veins.
(22) 11-GM-5317	Ponctual	Zone 18 599662 mE 5909547 mN	33H05	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Au	A 25 m wide oxide-silicate iron formation mineralized in PY-AS at the contact of mafic lavas and an ultramafic dyke.
(23) 11-CD-3031	Local/ Regional	Zone 18 563126 mE 5927444 mN	33G08	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Cu-Ni-Cr-PGE-Au	Decimetre-wide massive (25.15% Cr ₂ O ₃) to disseminated chromite layer anomalous in PGE (51.4 ppb Pt et 87.9 ppb Pd) in an ultramafic sill. This outcrop is located less than 100 m from, and in the same intrusion, that the already known "Lac Long-Sud" showing. A new sample from this showing indicates the potential for gold (3 g/t Au) and PGE (1 g/t Pd) of this type of intrusion.
(24) 11-GM-5288	Local	Zone 18 570205 mE 5934066 mN	33H12	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Cu-PGE-V	Pyroxenite with 1-2% MG-PY-CP containing 0.12% Cu, 456 ppm Co, 1.4 g/t Ag, 39 ppb Pt and 64 ppb Pd. The melanogabbro outcrop 11-GM-5285, located nearby in the same intrusion, shows anomalous values of 1132 ppm V, 2.23% TiO ₂ and 0.12% Cr ₂ O ₃ .
(25) 11-JG-1046	Local	Zone 18 59737 mE 5964596 mN	33H13	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Sillimanite	Several layers of sillimanite-bearing metasediment, >100 m wide and 500 m long, with 19.69 % Al ₂ O ₃ . Associated with a strong magnetic anomaly.
(26) 11-JG-1113	Local	Zone 18 582227 mE 5970416 mN	33H13	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Sillimanite	Several decametre wide layers of sillimanite-bearing metasediment, >400 m long, with 19.99% Al ₂ O ₃ . Associated with a strong magnetic anomaly.
(27) 11-JG-1089	Local	Zone 18 579150 mE 5969992 mN	33H13	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Au	Folded and altered silicate iron formation with an anomalous value of 0.7 g/t Au at the contact with mafic lavas.
(28) 11-PB-4128	Local	Zone 18 591497 mE 5973433 mN	33H13	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Ag	QZ vein with 3-8% PY-PO-MG assaying 3.3 g/t Ag. The paragneiss host-rock contains 1 g/t Ag.
(29) 11-GM-5021	Local	Zone 18 591392 mE 5963869 mN	33H13	Mapping – Lac Nochet area, Baie-James	271	Jean Goutier Daniel Bandyayera	Fe	Numerous layers of decametre scale oxide iron formation traced for more than 5 km. Contain up to 52% Fe ₂ O ₃ . Associated with a strong magnetic anomaly.

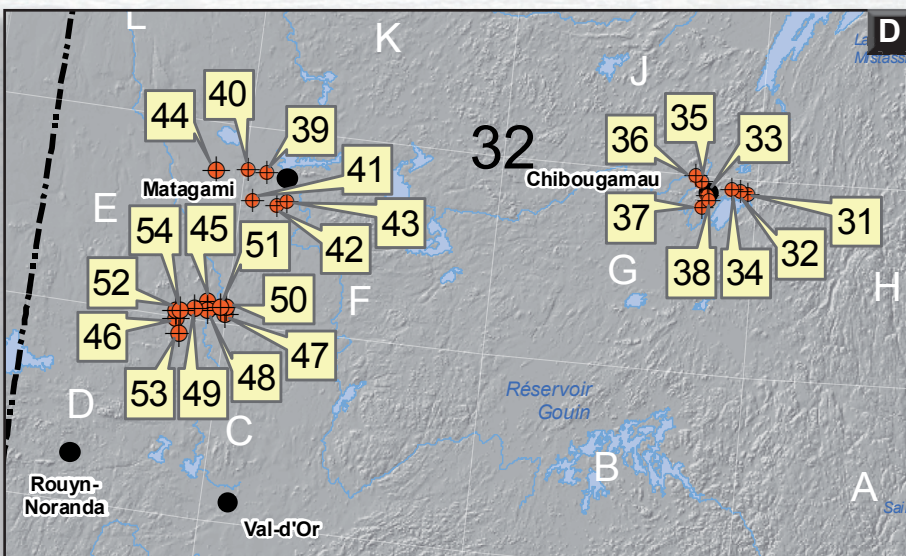
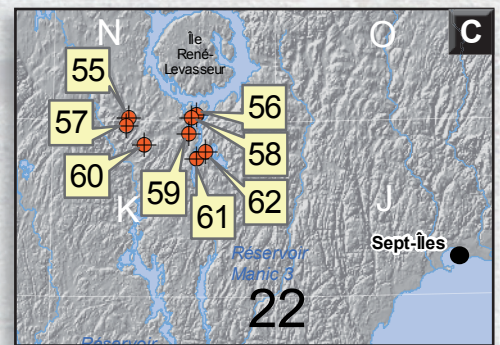
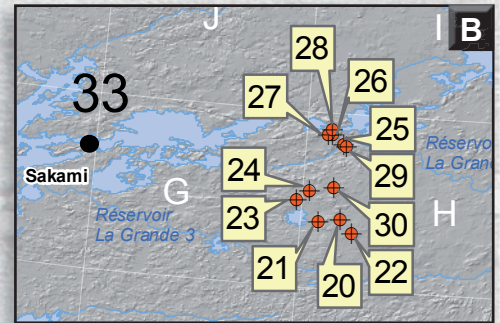
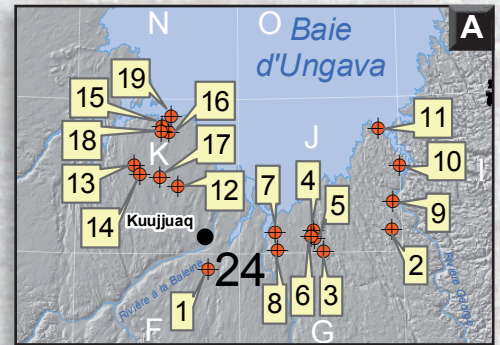
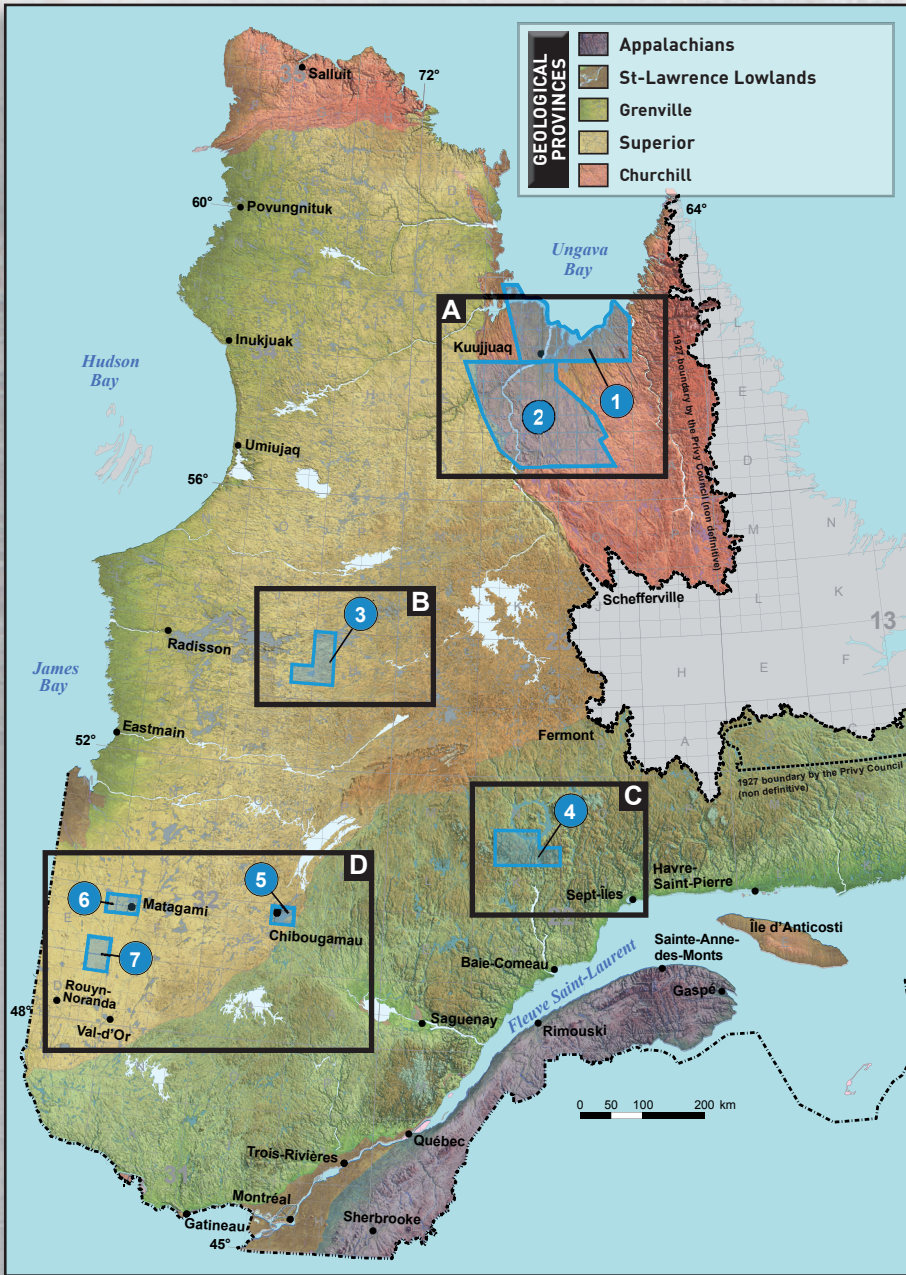
Number and Name	Size	Localisation (UTM INAD83)	NTS Sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
(30) 11-GM-5088	Regional	Zone 18 585675 mE 5937328 mN	33H12	Mapping – Lac Nochet area, Bate-James	271	Jean Goutier Daniel Bandyviera	Cu-Zn	Altered volcanic rocks showing strong alkali leaching associated with volcanogenic hydrothermal systems.
Superior Province (Chibougamau) – Nord-du-Québec administrative region								
(31) Lemplira-Est	Local	Zone 18 566665 mE 5531081 mN to 567335 mE 5531455 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Au-Ag-Zn	Disseminated and massive pyrite in a NE-SW trending lens of altered volcanoclastic rocks (CL-MG-AK-HM). Correspond to NE-SW trending Megaterran anomalies.
(32) O'Leary-Ouest	Ponctual	Zone 18 562238 mE 5532539 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Au	Chloritoid-AK alteration zone with millimetre thick PY layers in a mafic volcanic rock.
(33) Hamel	Ponctual	Zone 18 543693 mE 5528456 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Au-Ag-Zn	Exhalative horizon with massive PY in a sequence of felsic volcanoclastic, chert and altered basalt (CL-chloritoid). May be stratigraphically correlative to the David prospect (volcanogene Cu-Zn).
(34) Grandroy-Nord	Local	Zone 18 557674 mE 5532323 mN to 559500 mE 5533758 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Zn	Disseminated sulphides in inter-pillow interstices. Megaterran anomalies within the Blondeau Fm. mark the contact with the lower part of the Bourbeau sill.
(35) Riv. Chibougamau-Ouest2	Regional	Zone 18 540328 mE 5535998 mN à 543577 mE 5537695 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Ag-Au-Zn-Pb	Lapilli tuff transformed in SR-CL schist with disseminated PY-PO.
(36) Lac Chevrillon-Sud 1	Regional	Zone 18 536212 mE 5538643 mN to 538357 mE 5538420 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Au	E-W shear zone at the contact between the Bruneau Member, basalts and Bordeleau Formation lapilli tuff.
(37) Lac Caché	Regional	Zone 18 541574 mE 5521551 mN to 547683 mE 5527276 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Au	QZ vein with disseminated sulphides hosted by gabbroic anorthosite of the Lac Doré Complex.
(38) Lac Garth	Ponctual	Zone 18 545219 mE 5526175 mN	32G16	Mapping and compilation – Chapais-Chibougamau region		François Leclerc	Cu-Au	Disseminated MG-PY-CP in bedded pyroxenite associated with the gabbroic anorthosite of the Lac Doré Complex. Correspond with several Megaterran anomalies and a positive magnetic anomaly.
Superior Province (Matagami) – Abitibi-Témiscamingue administrative region								
(39) New Hosco	Regional	Zone 18 296000 mE 5518000 mN; 296000 mE 5519500 mN; 305300 mE 5517000 mN; 305300 mE 5518500 mN	32F13	Mapping and compilation – Matagami area	276	Pierre Pilote	Zn-Cu	Eastern extension of the New Hosco horizon. (Coordinates indicate the target's perimeter)
(40) Rhyolite de type « lac Watson » 1	Regional	Zone 18 286000 mE 5519000 mN; 290000 mE 5519000 mN; 292000 mE 5510000 mN; 296000 mE 5510000 mN	32F12 32F13	Mapping and compilation – Matagami area	276	Pierre Pilote	Zn-Cu	Central part of the anticlinal crest: possibility of "lac Watson" type rhyolites. (Coordinates indicate the target's perimeter)

Number and Name	Size	Localisation (UTM NAD83)	NTS Sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
(41) Complexe gabbroïque	Regional	Zone 18 290000 mE 5502000 mN; 292000 mE 5503000 mN; 294000 mE 5500500 mN; 296000 mE 5501000 mN	32F12	Mapping and compilation – Matagami area	276	Pierre Pilote	Au and Zn-Cu	Au anomalies in shear zones; Zn-Cu anomalies in rhyolitic enclaves. (Coordinates indicate the target's perimeter)
(42) Bordure sud du camp de Matagami	Regional	Zone 18 304000 mE 5500000 mN; 305000 mE 5502000 mN; 308000 mE 5498500 mN; 309000 mE 5500000 mN	32F12	Mapping and compilation – Matagami r area	276	Pierre Pilote	Au	Au anomalies in shear zones crosscutting the Taibi sedimentary Group. (Coordinates indicate the target's perimeter)
(43) Rhyolite de type « lac Watson » 2	Regional	Zone 18 309000 mE 5503000 mN; 310000 mE 5504000 mN; 314000 mE 5500800 mN; 314500 mE 5501800 mN	32F12	Mapping and compilation – Matagami area	276	Pierre Pilote	Zn-Cu	Southern extremity of the south flank of the Matagami camp; possibility of "lac Watson" type rhyolites. (Coordinates indicate the target's perimeter)
(44) Rhyolite de type « lac Watson » 3	Regional	Zone 17 700000 mE 5515800 mN; 700000 mE 5518400 mN; 715800 mE 5522500 mN; 715700 mE 5524700 mN	32E16	Mapping and compilation – Matagami area	276	Pierre Pilote	Au	Au anomalies in shear zones – Extension of the rivière Waswanipi and rivière Allard shear zones. (Coordinates indicate the target's perimeter)
Province du Supérieur (Amos) – Abitibi-Témiscamingue administrative region								
(45) RO-201	Ponctuel	Zone 17 707979 mE 5442627 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au-Cu-Ag-Zn	Chert layer with bedded pyrite.
(46) Zone de déformation du Bernetz	Regional	Zone 17 692100 mE 5430300 mN to 697900 mE 5420760 mN	32D16	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au-Ag-Zn	Deformation zone associated with carbonate alteration, QZ-CB vein with high sulphide content. (PY-PO-SP).
(47) Zone de déformation LaFlamme-Sud	Regional	Zone 17 719100 mE 5437100 mN to 689100 mE 5429800 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Deformation zone associated with strong carbonate alteration and QZ-CB-SF vein.
(48) Zone de déformation LaFlamme-Centre 1	Regional	Zone 17 708900 mE 5437900 mN to 680100 mE 5426750 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Deformation zone associated with strong carbonate alteration and QZ-CB-SF vein.
(49) Zone de déformation LaFlamme-Centre 2	Regional	Zone 17 701100 mE 5437500 mN to 680600 mE 5428150 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Deformation zone associated with strong carbonate alteration and QZ-CB-SF vein.

Number and Name	Size	Localisation (UTM NAD83)	NTS Sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
(60) Zone de déformation LaFlamme-Nord	Regional	Zone 17 718800 mE 5441350 mN to 690650 mE 5432600 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Deformation zone associated with strong carbonate alteration and QZ-CB-SF vein.
(61) Harricana - Surface	Ponctual	Zone 17 715830 mE 5440958 mN; 716230 mE 5438951 mN; 717164 mE 5440064 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Gold anomalies in basement till.
(62) Lac de Foin - Surface	Regional	Zone 17 691623 mE 5434933 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Cu-Zn	Cu-Zn anomaly in basement till.
(63) Desboues - Surface	Regional	Zone 17 694853 mE 5422099 mN	32D16	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Cu-Zn	Cu-Zn anomaly in basement till.
(64) Lac de Foin2 - Surface	Regional	Zone 17 693773 mE 5435341 mN	32E01	Overburden drilling – Rivière Octave area	253	Pierre-Luc Deschênes, Guillaume Allard	Au	Very strong gold anomaly in basement till.
Gravelle Province – Côte-Nord administrative region								
(65) Nitab	Ponctual	Zone 19 477496 mE 5652889 mN	22N03	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	Cu-Ni	Altered layer (CL, HM, EP), 5 m wide, in a gneissic gabbro. The mineralized zone shows traces of CP, PO and PY. Grades 0.12% Cu and 0.03% Ni.
(66) Desile 1	Ponctual	Zone 19 520034 mE 5654477 mN	22N02	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	Cu-Ni-POE	Ultramafic boudin (pyroxenite) less than 1 m thick, with traces of sulphides (CP, PO), in a metagabbro. Grades 0.67% Cu, 0.05% Ni, 1.8 g/t Pd, 0.75 g/t Pt and 0.3 g/t Au.
(67) Arpens 1	Ponctual	Zone 19 476174 mE 5648156 mN	22K14	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	Fe-Ti-V	Magnetic horizon (4 m thick) with Fe-Ti oxides (40% IM, 10% MG) and CP traces in a GR metagabbro. Ilmenite does not show inclusion. Grades 40% Fe, 6.1% Ti and 2551 ppm V.
(68) Desile 2	Ponctual	Zone 19 516746 mE 5653232 mN	22N02	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	Fe-Ti-P-V	Magnetic horizon (1 m thick) with Fe-Ti oxides in a GR metagabbro. Grades 17.6% Fe, 4.96% P ₂ O ₅ , 699 ppm V and 2.70% Ti.
(69) Ernest	Ponctual	Zone 19 515511 mE 5642612 mN	22K15	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	U-Th-REE	Pegmatitic monzonite dyke (1 m thick, up to 1200 cps) with sulphide traces. Grades 0.54% La+Ce+Pr+Nd+Sm and 540 ppm Th.
(60) GiGi	Ponctual	Zone 19 487560 mE 5636083 mN	22K14	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	LREE	Hematized magnetic pinkish granite with allanite (1 to 2%) containing mafic enclaves (métagabbro). Grades 900 ppm La+Ce+Pr+Nd+Sm.
(61) Victoria	Ponctual	Zone 19 520863 mE 5626653 mN	22K15	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	LREE	Hematized, foliated, pinkish granite with allanite. Grades 1676 ppm La+Ce+Pr+Nd+Sm.
(62) Française Est	Ponctual	Zone 19 526291 mE 5631108 mN	22K15	Mapping – Daniel-Johnson dam area	278	Abdelali Moukhsil Fabien Soigadi	LREE	Pinkish pegmatite (1 m thick) intruded in a hematized granitic gneiss. Grades 0.12% La+Ce+Pr+Nd+Sm.

Coordinates indicate the centre of the exploration target or both ends of a linear target.

LOCATION OF PROJECTS AND MINERAL EXPLORATION TARGETS



- ### PROJECTS
1. Mapping – Kuujuaq area
 2. Airborne spectrometric survey – Kuujuaq area
 3. Mapping – Lac Nochet area, Baie-James
 4. Mapping – Daniel-Johnson dam area
 5. Mapping and compilation – Chapais-Chibougamau region
 6. Mapping and compilation – Matagami area
 7. Overburden drilling – Rivière Octave area
- Target