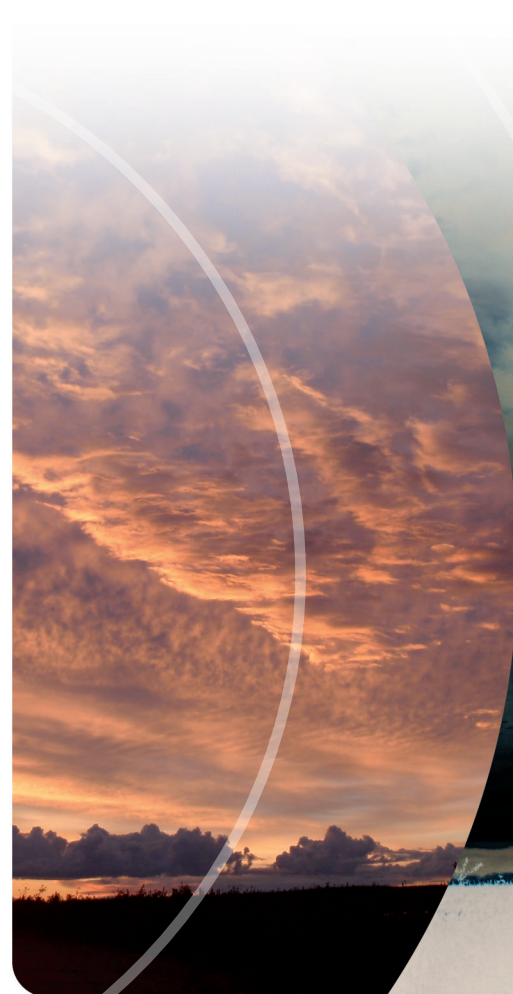


NEW MINERAL EXPLORATION TARGETS

2014 GEOSCIENCE PROJECTS



New Mineral Exploration Targets

2014 Geoscience Projects

PRO 2014-02

Introduction

In this report, Géologie Québec presents all the targets of economic interest identified during its 2014 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 2014 fieldwork, geologists of the *ministère de l'Énergie et des Ressources naturelles* identified zones with a favourable geological setting for mineral exploration. These areas of interest have not been studied in detail but warrant further investigation by exploration companies. Newly acquired data on these areas of interest will be made public during Québec Mines 2014.

2014 Mineral Exploration Targets

In this document, a target corresponds to a zone where the geological setting is favourable for mineral exploration. The data provided on these targets are essentially based on field observations.

As a result of the geoscience projects completed in 2014, 53 targets have been identified. There are three categories of targets: (1) **outcrop-sized** 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 and briefly described in a table that includes their precise geographical location, the name of the project from which they originate, and the corresponding poster number. For further information, Québec Mines 2014 attendees are invited to visit the geoscience posters, where they can

meet the project geologists and find out more about these new exploration targets and about the mineral potential in Québec's various regions.

New This Year!

Exploration targets are now shown on the SIGEOM interactive map available at the following address:

http://sigeom.mrn.gouv.qc.ca/signet/classes/I1108_afchCarteIntr

You will also be able to view all the targets identified by Géologie Québec since 2005. Targets are divided into six categories: mapping, geochemistry, geophysics, 3D modeling, Quaternary, and mineral potential assessment. Each target is accompanied by a detailed description, including an active link to the initial document in EXAMINE from which it can be downloaded.

In addition, the 2014 targets are shown on the *Système de Gestion des Titres miniers* (GESTIM) site at the following address:

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

For further details concerning our geoscience projects, interested parties can inquire at the *Bureau de la Connaissance géoscientifique* du Québec or communicate by e-mail with the persons in charge:

Bureau de la Connaissance géoscientifique du Québec
400, boulevard Lamaque, bureau 1.02
Val-d'Or (Québec) J9P 3L4
Téléphone : 819 354-4514
Télécopieur : 819 354-4508

Contact	Project	E-mail
Isabelle Lafrance	Mapping – Lac Brisson area, Churchill SE	Isabelle.Lafrance@mern.gouv.qc.ca
François Leclerc	Mapping and compilation – Lac Waconichi area, Chibougamau	François.Leclerc@mern.gouv.qc.ca
Hanafi Hammouche	Mapping – Lac Holmes area, Abitibi-Témiscamingue	Hanafi.Hammouche@mern.gouv.qc.ca
Pierre Pilote	Mapping and compilation – Lac De Montigny area, Val-d'Or	Pierre.Pilote@mern.gouv.qc.ca
Pénélope Burniaux	Mapping – Lac Dalmas area, Baie-James	Pénélope.Burniaux@mern.gouv.qc.ca
Guillaume Allard	Geochemistry – Reanalysis, Baie-James region	Guillaume.Allard@mern.gouv.qc.ca
Abdelali Moukhsil	Mapping – Parent area, Haut-Saint-Maurice region	Abdelali.Moukhsil@mern.gouv.qc.ca
Siham Benahmed	Geophysics – Aeromagnetic survey, rivière Gouin (DP 2014-04)	Siham.Benahmed@mern.gouv.qc.ca

Please note that 218 mineral potential assessment targets will be published during Québec Mines 2014. Those come from the following publication:

ALLARD, G. – LAMOTHE, D., 2014 – Évaluation du potentiel en minéralisations du type orogénique de la Baie-James. Ministère de l'Énergie et des Ressources naturelles (EP 2008-01 update, poster G22).

Finally, other targets have been identified during 2014 in the following publications:

INTISSAR, R. – BENAHMED, S. – D'AMOURS, I., 2014 – Levé magnétique et spectrométrie aéroporté dans le secteur sud de la rivière George, partie sud-est de la Province de Churchill. Ministère des Ressources naturelles; DP 2014-01, 6 pages. [This document identifies 327 Keating anomalies determined from an aeromagnetic survey].

INTISSAR, R. – BENAHMED, S. – D'AMOURS, I., 2014 – Levé magnétique et spectrométrie aéroporté dans le secteur nord de la rivière George, partie sud-est de la Province de Churchill. Ministère des Ressources naturelles; DP 2014-02, 6 pages. [This document identifies 269 Keating anomalies determined from an aeromagnetic survey].

INTISSAR, R. – BENAHMED, S. – D'AMOURS, I., 2014 – Levé magnétique et spectrométrie aéroporté dans le secteur sud de la rivière George, partie sud-est de la Province de Churchill. Ministère des Ressources naturelles; DP 2014-03, 6 pages. [This document identifies 1102 Keating anomalies determined from an aeromagnetic survey].

BENAHMED, S. – INTISSAR, R. – THÉRIAULT, R., 2014 – Levé magnétique et spectrométrie aéroporté dans le secteur du réservoir Gouin, Province géologique du Grenville. Ministère de l'Énergie et des Ressources naturelles; DP 2014-04, 8 pages. [This document identifies 192 Keating anomalies determined from an aeromagnetic survey].

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Graphic arts: André Tremblay

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Number and Name	Size	Location (UTM NAD83)	NTS sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
Churchill Province (Great North) – Nord-du-Québec administrative region								
(1) Zone d'altération potassique	Regional	Zone 20 335716 mE 6278785 mN to 335848 mE 6267210 mN	24A12	Mapping – Lac Brisson area, Churchill SE	G26	Isabelle Lafrance Daniel Bandayvera Carl Blodeau	Cu-Au	Continuous 10 m wide brecciated bands with replacements of MG-QZ at a gabbro-monzodiorite porphyry contact. Strong pervasive potassic alteration overprint by low-temperature alteration (HM-EP). Disseminated PY $\pm$ CP in both breccia and gabbro.
(2) Zones à volcanites minéralisées	Regional	Zone 20 378152 mE 6259674 mN to 381390 mE 6246868 mN	24A07	Mapping – Lac Brisson area, Churchill SE	G26	Isabelle Lafrance Daniel Bandayvera Carl Blodeau	Various	Series of Outcrop-sized dm to m rusty layers hosted in intermediate to felsic volcanic rocks, rarely mafic. PY-PO $\pm$ CP mineralization associated with a late fracture event and low-temperature alteration; hematization and silicification dominant.
(3) Intrusions potassiques	Regional	Zone 20 344301 mE 6339617 mN to 344955 mE 6336456 mN	24H04	Mapping – Lac Brisson area, Churchill SE	G26	Isabelle Lafrance Daniel Bandayvera Carl Blodeau	Various	Base and rare metals associated with massive potassic intrusions. Mineralization varies depending on the host rock composition, from monzogabbro (disseminated sulphides) to alkali feldspar syenite (disseminated oxides and MO and fluorite in fractures).
(4) Migmatites minéralisées	Regional	Zone 20 387514 mE 6344179 mN to 398891 mE 6329025 mN	24H02	Mapping – Lac Brisson area, Churchill SE	G26	Isabelle Lafrance Daniel Bandayvera Carl Blodeau	Various	Sulfide mineralization associated with QZ-rich granitic melt and locally within migmatized GR-GP paragneiss and metasediments. Rusty zones (<2 m thick and length >30 m), often alternating within hundred meters. PY-PO clusters <2 cm.
(5) Phiroda	Local	Zone 20 405784 mE 6396007 mN	24H10	Mapping – Lac Brisson area, Churchill SE	G26	Isabelle Lafrance Daniel Bandayvera Carl Blodeau	Ni-Cu-Cr-PGE	Ni-Cu-Cr-PGE mineralization in a kilometre-scale ultramafic intrusion intruded into a sedimentary sequence located at the Core Zone-Torngat Orogen suture zone. Four samples (3% SF) with up to 0.8% Ni, 0.93% Cr, 0.13% Cu, 61 ppb Pb, and 11 ppb Pt.
Superior Province (Baie-James) – Nord-du-Québec administrative region								
(6) Adina (14-AB-6048A)	Outcrop-sized	Zone 18 667601 mE 5908518 mN	33H08	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Li-Be-Nb-Ta	Spodumene pegmatitic granite. A sample grades 1,570 ppm Li, 355 ppm Be, 50 ppm Ta and 88 ppm Nb.
(7) Lac La Savonnière	Regional	Zone 18 690026 mE 5930422 mN to 682264 mE 5930037 mN	33H08	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Cr	Chromium-rich (<0.86% Cr ₂ O ₃) ultramafic intrusions associated with strong magnetic anomalies.
(8) 14-PB-1086A	Local	Zone 18 683755 mE 5910341 mN	33H08	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Cr	Chromium-rich (<0.83% Cr ₂ O ₃) ultramafic intrusions associated with strong magnetic anomalies.
(9) Deuxième chance (96-DB-2143)	Outcrop-sized	Zone 18 691571 mE 5940723 mN	33H09	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Zn-As-Au	Altered amphibolites rich in SF (AS-PY-SP-PO) from the Escalpe Fm. Two samples grade 8,730 ppm Zn, 1,730 ppm As, 0.25 ppm Au and 440 ppm Zn, 3.78% As, 0.43 ppm Au.
(10) Marasi (14-LM-7083)	Outcrop-sized	Zone 19 307173 mE 5932409 mN	23E12	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Au-As	Rusty and altered amphibolites of the Dalmas Fm. with <25% sulfide (AS-PY-PO). Calc-silicate metasomatism. Two samples yield 2.45 ppm Au, 4.29% As, 943 ppm Cu, 993 ppm Co and 1,010 ppm Cu, 0.29 ppm Au.
(11) Lac Larbosière	Regional	Zone 18 695031 mE 5956846 mN to Zone 19 316988 mE 5941507 mN	23E12 33H09	Mapping – Lac Dalmas area, Baie-James	G27	Pénélope Burniaux Mehdi A. Guemache Joséphine Gigon Jean Goutier	Cr	Chromium-rich (<0.71% Cr ₂ O ₃) ultramafic complex (volcanites and intrusions). Potential for Ni-Cu mineralization considering the volume and the presence of underlying metasediment and sulfide iron formation.

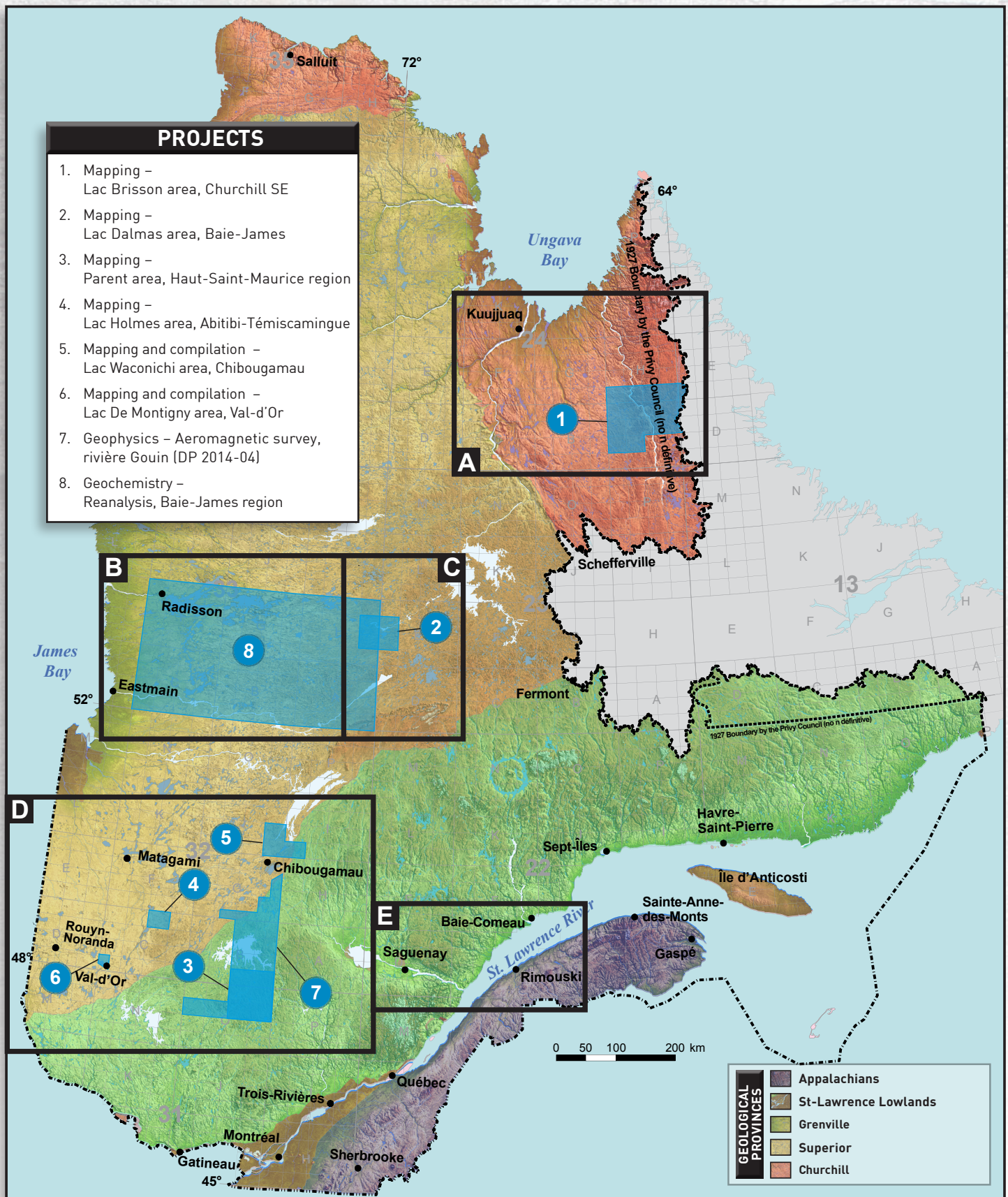
Number and Name	Size	Location (UTM NAD83)	NTS sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
Superior Province (Baie-James) – Nord-du-Québec administrative region								
(12) Géofiche JG-106 (Échantillon 1996010337)	Outcrop-sized	Zone 18 342923 mE 5920990 mN	33F06	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Au	Chloritized rhyolite weakly mineralized in PY. Reanalysis yields 1,010 ppb Au in a sample near an E-W shear zone at the contact between the Yasinski Gr. volcanites and the Ekomiak Fm. sediments.
(13) Géofiche HN-4054 (Échantillon 2000024743)	Outcrop-sized	Zone 18 296944 mE 5784168 mN	33C04	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	REE	Auclair Fm. paragneiss showing alternating layers rich in andalusite, biotite, and garnet. Reanalysis shows 2,487 ppm TREE.
(14) Échantillon 1994000827	Outcrop-sized	Zone 18 367735 mE 5894041 mN	33F02	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Ag	Apple Fm. quartz arenite. Reanalysis yields 7 ppm Ag, 1,940 ppm Pb, and 927 ppm Zn.
(15) Géofiche DD-9012 (Échantillon 1997014917)	Outcrop-sized	Zone 18 322967 mE 5890395 mN	33F04	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Ag	Weakly foliated massive basalt from the Yasinski Gr. Reanalysis yields 5 ppm Ag.
(16) Géofiche CD-5643 (Échantillon 1997015129)	Outcrop-sized	Zone 18 346332 mE 5913970 mN	33F06	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Cu	Schistose pillowed basalt from the Yasinski Gr. Reanalysis grades 5,040 ppm Cu.
(17) Géofiche JY-66 (Échantillon 1997015606)	Outcrop-sized	Zone 18 458840 mE 5770580 mN	33B04	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Zn	Schistose and veined basalt from the Anaconda Fm. Reanalysis grades 6.84% Zn.
(18) Géofiche DL-152 (Échantillon 1998017243)	Outcrop-sized	Zone 18 319704 mE 5920787 mN	33E05	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Ni	Porphyritic ultramafic lens (peridotite) intruded in mafic volcanics of the Mercator Fm. Reanalysis grades 2,590 ppm Ni and 1,330 ppm Cr.
(19) Géofiche JM-98064 (Échantillon 1998020906)	Outcrop-sized	Zone 18 373113 mE 5894535 mN	33F02	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Ni	Oxide iron formation (3 m thick) in a quartz arenite of the Apple Fm. Reanalysis yields 1.8% Ni, 2,880 ppm Cu, and 5,140 ppm Cr.
(20) Géofiche JG-1645 (Échantillon 2000026655)	Outcrop-sized	Zone 18 487591 mE 5928135 mN	33G11	Geochemistry – Reanalyses Baie-James	G22	Guillaume Allard Jean Goutier	Ni	Fine-grained fractured serpentinite layer in a peridotite of the Guyer Gr. Reanalysis yields 2,570 ppm Ni and 2,610 ppm Cr.
Superior Province (Chibougamau) – Nord-du-Québec administrative region								
(21) Route 167 - Sud du lac Waconichi-1	Outcrop-sized	Zone 18 562375 mE 5541045 mN	32J01	Mapping and compilation – Lac Waconichi area, Chibougamau	G16-G17	François Leclerc Francis Talia Takam	Au	Metre-wide rusty deformation zone in a Cl-QZ altered basalt with massive PY.
(22) Route 167 - Sud du lac Waconichi-2	Outcrop-sized	Zone 18 559789 mE 5539561 mN	32J01	Mapping and compilation – Lac Waconichi area, Chibougamau	G16-G17	François Leclerc Francis Talia Takam	Au	Plagioclase-phryic felsic intrusion with PY in massive form, veins, clusters and nodules.
(23) Route 167 - Est du lac Waconichi	Outcrop-sized	Zone 18 574036 mE 5550899 mN	32I04	Mapping and compilation – Lac Waconichi area, Chibougamau	G16-G17	François Leclerc Francis Talia Takam	Au	Ankerite-altered massive, pillowed or brecciated basalt with massive PY.
(24) Est du lac Duberger	Local	Zone 18 592531 mE 5557626 mN	32I04	Mapping and compilation – Lac Waconichi area, Chibougamau	G16-G17	François Leclerc Francis Talia Takam	Au-Cu	Disseminated PY-CP-PO in a felsic intrusion in an amphibolitized mafic volcanic rock.
(25) Rivière Rock	Outcrop-sized	Zone 18 538808 mE 5583239 mN	32J08	Mapping and compilation – Lac Waconichi area, Chibougamau	G16-G17	François Leclerc Francis Talia Takam	Cu-Ni-Cr-PGE Ni	Chromite peridotite. Serpentine alteration partially replaced by actinolite and tremolite. Grades 4,380 ppm Cr and 982 ppm Ni.

Number and Name	Size	Location (UTM NAD83)	NTS sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
Superior Province (Malartic) – Abitibi-Témiscamingue administrative region								
(26) Val-d'Or - 1	Regional	Zone 18 277050 mE 5341200 mN to 292550 mE 5337800 mN	32C04	Mapping and compilation – Lac De Montigny area, Val-d'Or	G28	Pierre Pilote	Au	Deformation zone associated with the Rivière Héva Fault. Potentially auriferous QZ-CB veins. Geological context similar to the Siscoe Mine.
		Zone 18 288900 mE 5329000 mN to 295130 mE 5328650 mN	32C04	Mapping and compilation – Lac De Montigny area, Val-d'Or	G28	Pierre Pilote	Au	Possible eastern extension of the Marbenite-Norbenite deformation zone. Potentially auriferous QZ-CB-TL veins. Geological context similar to the Goldex and Lamaque mines.
Superior Province (North-East Abitibi) – Abitibi-Témiscamingue administrative region								
(28) Indice Kiask	Outcrop-sized	Zone U18 373113 mE 5428437 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Au	Rusty zone 0.3 m x 2 m with sulfide in a mafic volcanicite. Mineralization associated with a NW-SE deformation corridor hosting numerous gold showings.
(29) Indice NR-3156	Outcrop-sized	Zone U18 372850 mE 5428639 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Ni-Cr ± PGE	Chromium-rich ultramafic sill intruded in mafic volcanic rocks. A sample grades 1.02% Cr ₂ O ₃ and 0.11% Ni.
(30) AK-2014	Outcrop-sized	Zone U18 380229 mE 5426960 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Cu	Rusty layer >0.6 m wide very rich in sulfide (PY-PO-CP) in gabbroic amphibolite. The amphibolite is associated with a 2 km long positive magnetic anomaly. Channel sampling yields 0.11% Cu/0.4 m.
(31) AK-2031	Regional	Zone U18 381870 mE 5428630 mN to 384660 mE 5427110 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	V-Ti	Gabbro sill anomalous in V-Ti. A grab sample grades 460 ppm V and 1.67% Ti. Associated with a strong positive magnetic anomaly that suggests a ± 3 km extension.
(32) MC-6021	Local	Zone U18 367216 mE 5424188 mN to 367038 mE 5424468 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Ni-Cr ± PGE	Serpentinized ultramafic rock, brecciated in places. Grab samples yield 0.64% to 0.86% Cr ₂ O ₃ , 0.13% to 0.15% Ni, and 82 ppb to 153 ppb Au. Associated with a strong positive magnetic anomaly 650 m x 350 m.
(33) HH-1034	Regional	Zone U18 380660 mE 5426010 mN to 381710 mE 5424210 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Ni-Cr ± PGE	Ultramafic intrusion of komatiitic affinity, 2 km x 0.5 km, associated with a strong positive magnetic anomaly. Grades up to 0.33% Cr ₂ O ₃ , 0.14% Ni, and 153 ppb Au.
(34) YD-4107	Regional	Zone U18 376952 mE 5408859 mN to 379035 mE 5410061 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Ni-Cr ± PGE	Ultramafic intrusion oriented NE-SW, 2.4 km x 0.4 km, associated with a strong positive magnetic anomaly. A sample yields 0.31% Cr ₂ O ₃ and 0.12% Ni.
(35) HH-1139	Regional	Zone U18 368140 mE 5416300 mN to 383050 mE 5416030 mN	32C15	Mapping – Lac Holmes area	G34	Hanafi Hammouche Abdelali Kharis	Ni-Cr ± PGE	Discontinuous ultramafic sills >9 km, hosted in basaltic amphibolite associated with a very strong positive magnetic anomaly >15 km. All samples show anomalous Cr (<0.64%) and Ni (<0.12%).

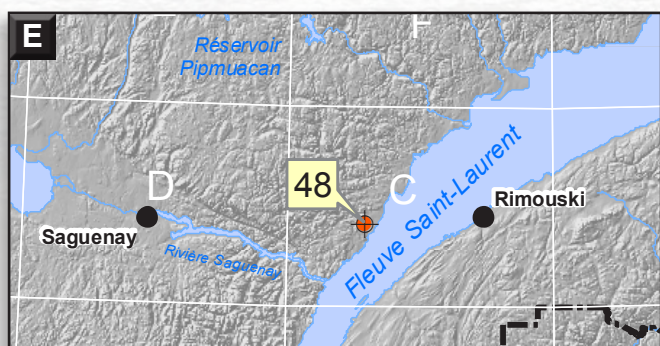
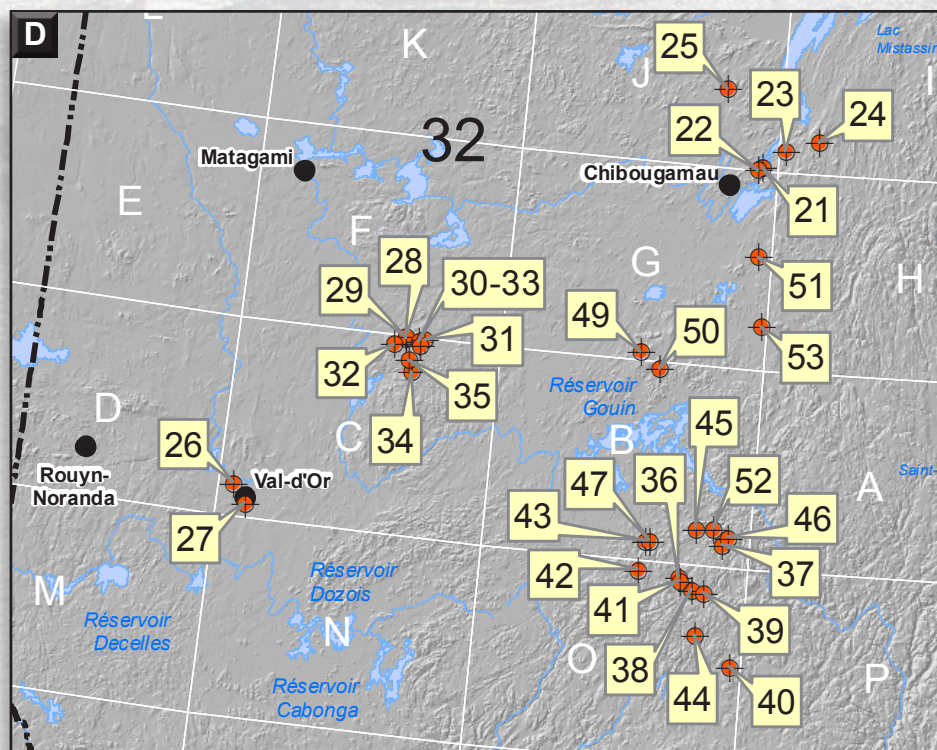
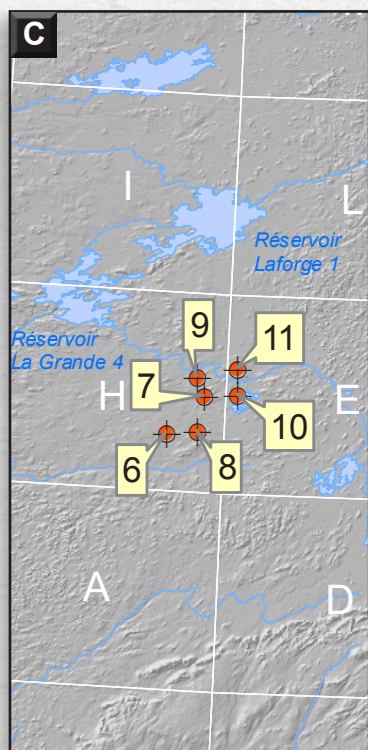
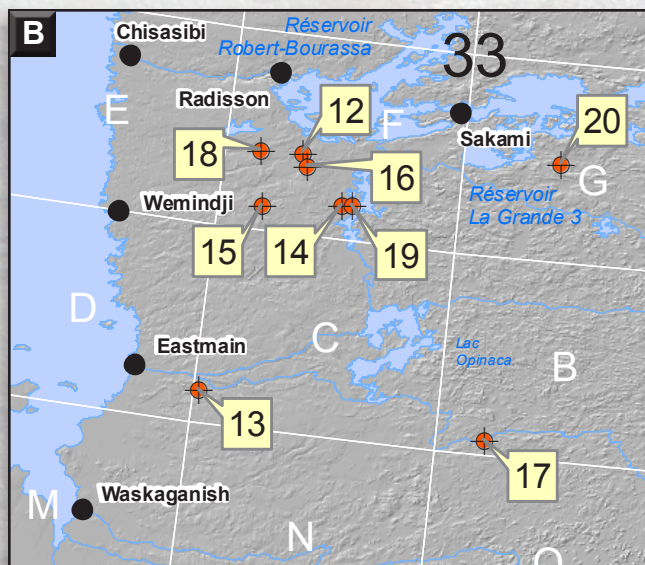
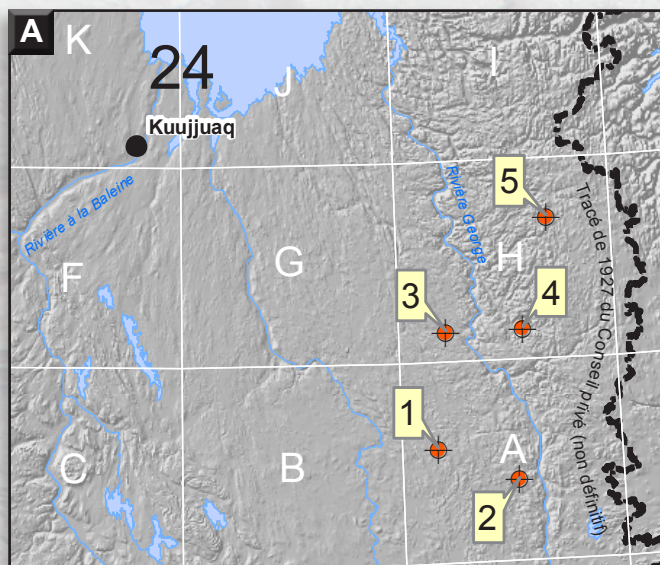
Number and Name	Size	Location (UTM NAD83)	NTS sheet	Project	Poster	Person(s) in charge	Substance(s)	Description
Grenville Province – Mauricie – Côte-Nord administrative regions								
(36) Raoul (14-PA-3097B)	Outcrop-sized	Zone 18 535989 mE 5309822 mN	31O15	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	REE	Pinkish granitic pegmatite dyke (1 cm to 4 m wide) crosscutting biotite-sillimanite paragneiss (trace of PY). 7,300 ppm TREE (935 ppm Nd).
(37) Haltaparche (14-FS-1203B)	Outcrop-sized	Zone 18 558789 mE 5329531 mN	32B01	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	REE	Granitic pegmatite dyke with graphic texture (10 cm to 3m wide and approximately 10 m long) with biotite and allanite crystals. 8,337 ppm TREE (1,520 ppm Nd).
(38) Lars (14-AM-241A)	Local	Zone 18 543838 mE 5303238 mN	31O16	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	REE	Medium-to coarsed-grained pinkish syenogranite. 1,067 ppm TREE.
(39) Capimit (14-AM-023)	Outcrop-sized	Zone 18 550714 mE 5302730 mN	31O16	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	REE, Nb	Pinkish granitic pegmatite dyke (> 1 cm to 20 cm wide) intruded into mangerite. 1,208 ppm TREE. 157 ppm Nb, 15 ppm Ta.
(40) Manouane (14-PA-3067G)	Outcrop-sized	Zone 18 568919 mE 5262885 mN	31O09	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Cu	Sulfide mineralization (2 m wide and 30 m long). disseminated or in veins, located at the contact between a leucogabbro and a granite. Presence of about 5% sulfides (PO, CP, PY).
(41) Dumais (14-SB-6132E)	Outcrop-sized	Zone 18 537429 mE 5307930 mN	31O16	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Cu-Ni	Massive sulfide veins (PY, CP, bornite). 1- 5 cm wide, in silicified zone with PY crosscutting a mangerite and pinkish granite. 1,020 ppm Cu, 719 ppm Ni, and 516 ppm Co.
(42) Wabash sud (14-AM-209D)	Outcrop-sized	Zone 18 513109 mE 5312325 mN	32O15	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Cu-Ni	Decimetre-wide pyroxenite boudin hosted in a silicified rock with PY. The mineralization (1% PY-CP-PO) is disseminated in the pyroxenite. 1,570 ppm Cu and 604 ppm Ni.
(43) Lajble (14-TC-5021A et 14-SB-6247A)	Outcrop-sized	Zone 18 515585 mE 5328483 mN	32B02	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	P (apatite)	Iron and titanium oxides (5%) and apatite (6 to 7%) mineralization hosted in K-felspar xenocystic porphyritic gabbro. 3,37% P ₂ O ₅ , 12% Fe, and 3,44% TiO ₂ .
(44) Lac Feu (14-FS-1205B)	Outcrop-sized	Zone 18 548183 mE 5278736 mN	31O09	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Zn	Decimetre-wide boudin of clinopyroxene garnetite hosted in a mafic rock (volcanic?). 3,3% P ₂ O ₅ and 2,330 ppm Zn.
(45) Fourchu (14-FS-1214A)	Outcrop-sized	Zone 18 543479 mE 5337075 mN	32B01	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Graphite-Zn	Graphite mineralization hosted in siliceous paragneiss with PY (5%). Millimetre graphite flakes (up to 6%) are disseminated in the host rock. Anomalous Zn content 3,50% C and 1,370 ppm Zn.
(46) Jean-Pierre (14-FS-1200A)	Outcrop-sized	Zone 18 561259 mE 5334544 mN	32B01	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Graphite	Garnet-graphite paragneiss (trace PY). Graphite flakes (<10%) are disseminated and oriented parallel to the gneissosity. Grades 3,28% C.
(47) Wilbo (14-AM-005A)	Outcrop-sized	Zone 18 518019 mE 5328930 mN	32B02	Mapping – Parent area, Haut-Saint-Maurice	G29	Abdelali Moukhsil Fabien Solgadi	Graphite	Garnet-graphite paragneiss (trace PY). Graphite flakes (<8%) are disseminated. Grades 3,97% C.
(48) Rémi (14-PA-81-7/-12)	Outcrop-sized	Zone 19 468230 mE 5364050 mN	22C06	Escoumains project	G15	Pierre-Arthur Groulier Abdelali Moukhsil	Cu-Ag	Decimetre-to metre-wide veins of QZ-EP (AB-AM and GR-titanite) crosscutting metabasalt with bornite and malachite (0,55% Cu and 1,1 ppm Ag).
Grenville and Superior Province – Saguenay–Lac-Saint-Jean, Mauricie and Nord-du-Québec administrative regions								
(49) Lac Florimond (28)	Outcrop-sized	Zone 18 504150 mE 5432474 mN	32G02	Geophysics – Airborne Magnetic Survey, réservoir Gouin (DP 2014-04)	G33	Siham Benahmed Rachid Intissar	Kimberlite	Circular anomaly with a Keating coefficient of 96% and high amplitude (682,56, cylinder of 100 m radius) near a complex array of dykes. The anomaly is located in the Waswanipi-Saguenay structural corridor.
(50) Lac Otto (59)	Outcrop-sized	Zone 18 515475 mE 5424149 mN	32B15	Geophysics – Airborne Magnetic Survey, réservoir Gouin (DP 2014-04)	G33	Siham Benahmed Rachid Intissar	Kimberlite	Circular anomaly with a Keating coefficient of 96% and high amplitude (218,38, cylinder of 100 m radius). The anomaly is located in the Waswanipi-Saguenay structural corridor.
(51) Lac du Cacao (155)	Outcrop-sized	Zone 18 564150 mE 5490899 mN	32G09	Geophysics – Airborne Magnetic Survey, réservoir Gouin (DP 2014-04)	G33	Siham Benahmed Rachid Intissar	Kimberlite	Isolated anomaly, round shape. Keating coefficient of 97% and high amplitude (231,48, cylinder of 100 m radius).
(52) Lac Baptiste (125)	Outcrop-sized	Zone 18 552900 mE 5337974 mN	32B01	Geophysics – Airborne Magnetic Survey, réservoir Gouin (DP 2014-04)	G33	Siham Benahmed Rachid Intissar	Kimberlite	Isolated anomaly, round shape. Keating coefficient of 90% and high amplitude (308,38, cylinder of 100 m radius). The anomaly is located in the Mégiscane-Chasseur structural corridor.
(53) Lac de l'Histoire (181)	Regional	Zone 18 572608 mE 5452603 mN to 567071 mE 5452630 mN	32G01	Geophysics – Airborne Magnetic Survey, réservoir Gouin (DP 2014-04)	G33	Siham Benahmed Rachid Intissar	Kimberlite	Two circular anomalies with Keating coefficients of 92% and 93% and high amplitude, superposed on E-W positive anomaly. Ultramafic intrusion nearby.

Coordinates indicate the center of a outcrop-sized/local target or both ends of a regional target.

LOCATION OF 2014 GEOSCIENCE PROJECTS



LOCATION OF MINERAL EXPLORATION TARGETS



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