GM 64275

REPORT ON 2008 GEOLOGICAL ASSESSMENT WORK ON THE URANIUM NORTH PROPERTY

Documents complémentaires

Additional Files

Licence

License

Énergie et Ressources naturelles
Québec

Report on 2008 Geological Assessment Work on the Uranium North Property, of Rukwa Uranium Ltd. Nunavik, Quebec

NTS 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02

Prepared by

Normand Champigny, M.A.Sc., P.Eng.
Caroline Richer, géo. stag.

GM 64275

May 11, 2009

Table of Contents

1. SUMMARY 2
2. RECOMMENDATIONS 2
3. INTRODUCTION 2
4. LOCATION AND ACCESS 4
5. PROPERTY DESCRIPTION 4
6. GEOLOGICAL SETTING 4
6.1 General 4
6.2 Property Geology 4
6.3 Mineralization 10
7. PREVIOUS WORK 10
8. 2008 GEOLOGICAL ASSESSMENT WORK 10
8.1 General 10
8.2 Prospecting Results 11
9. CONCLUSIONS 11
10. REFERENCES AND BIBLIOGRAPHY 14
11. CERTIFICATES AND CONSENTS OF AUTHORS 15

List of Figures

Figure 1 - Location map for the Uranium North property 3
Figures 2a and 2b - Claim map for the Uranium North property 5
Figures 3a and 3b - Geological setting of the Uranium North property 7
Figure 4a and 4b - Rock sampling results for the Uranium North property, 2008 program 12

List of Appendices

Appendix 1 - Sample Summaries / Analytical Results – 2008 Rocks 17
Appendix 2 - Assessment Expenditures – 2008 44

1. Summary

The Uranium North property consists of five claim blocks, totalling 319 claims (approximately 148 km^2). The property is located about 250 km west to southwest of Kuujjuaq and about 500 km northeast of Radisson in Nunavik in the Province of Quebec. Exploration in 2007 and 2008 included a combined helicopter-borne magnetic and radiometric survey, data compilation, and follow-up ground prospecting and sampling using spectrometers and Niton instruments.

The property is not easily prospected since its outcrop exposure is only about 10%, and there are extensive areas of float and some areas of bog.

Ground prospecting located significant uranium mineralization (up to 0.88% U_3O_8) on the easternmost claim block of the property over a 4-km-long target area. The mineralization occurs along an important northwest-trending structure that coincides with a contact between tonalites and granites. Metavolcanic and metasedimentary rocks are proximal to this contact. The mineralization shows a good spatial correlation with helicopter-borne anomalies. Mineralization was also identified on the north-western claim block of the property (up to 0.21% U_3O_8). The mineralization is hosted in granites.

The presence of uranium showings, the favourable geological environment, and the presence of major structures indicate an excellent exploration potential for intrusion-related uranium deposits and also structure-related uranium deposits.

2. Recommendations

Northwest-trending structures with associated potential structural splays or fault intersections crosses the easternmost claim block as well as the north-western claim block of the property and presents a very favourable setting for structurally-hosted uranium mineralization. It is therefore recommended that the north-western claim block as well as the easternmost claim block of the property be the focus for further exploration work.

3. Introduction

On April 16, 2009 Matamec Exploration inc. ("Matamec") and Virginia Mines inc. ("Virginia") announce that the two companies have agreed to jointly sell the Uranium North property to Rukwa Uranium Ltd. ("Rukwa"), in consideration of the issuance of 1,751,236 shares of Rukwa. The agreement is also subject to two net smelter return royalties, in favour of Virginia and Matamec, where 1% is payable to Virginia and half is redeemable for C$ 500,000.

Exploration in 2007 and 2008 consisted of a helicopter-borne magnetic and radiometric survey, data compilation, and follow-up ground prospecting and sampling. Targets generated from the airborne surveys were defined and prioritized. Helicopter-supported follow-up ground prospecting using an 11-person crew equipped with a spectrometer (RS-230) and a Niton XRF analyzer was carried out in the summer of 2008.

This report describes the 2008 exploration program, reports on and discusses the results of this work, and makes recommendations based on these results.

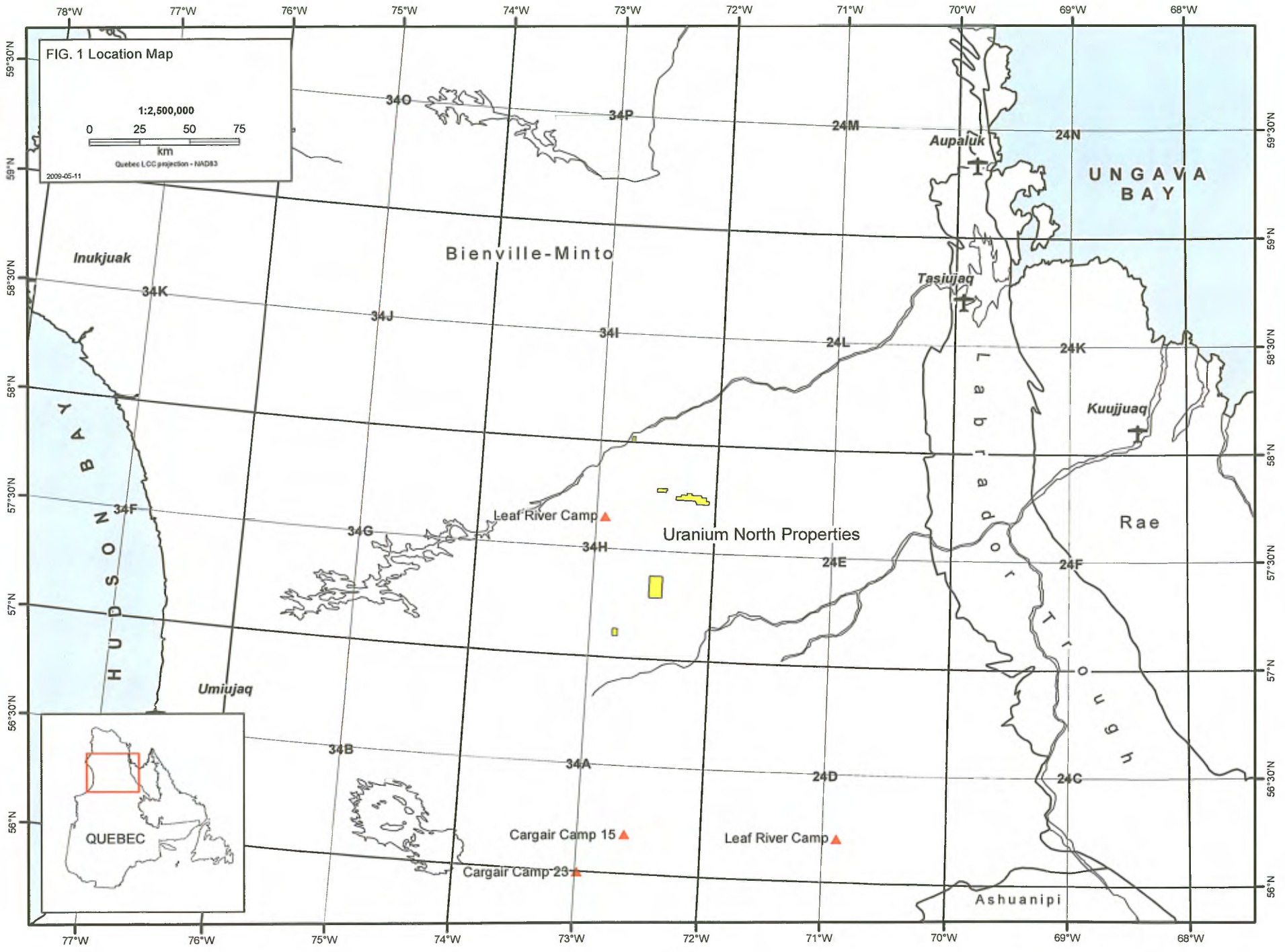


FIG. 1 Location Map
1:2,500,000
0 25 50 75
km
Quebec LCC projection - NAD83
2009-05-11
78°W
77°W
76°W
75°W
74°W
73°W
72°W
71°W
70°W
69°W
68°W
59°30'N
59°N
58°30'N
58°N
57°30'N
57°N
56°30'N
56°N
34O
34P
24M
24N
Aupaluk
UNGAVA BAY
Inukjuak
Bienville-Minto
34K
34J
34I
24L
24K
Tasiujaq
Kuujjuaq
Labrador Trough
HUDSON BAY
34F
34G
34H
24E
24F
Leaf River Camp
Uranium North Properties
Rae
Umiujaq
34B
34A
24D
24C
Cargair Camp 15
Leaf River Camp
Cargair Camp 23
Ashuanipi
QUEBEC

4. Location and access

The property is located in the middle of the Ungava peninsula about 250 km west to southwest of Kuujjuaq and about 500 km NE of Radisson in Nunavik, Quebec (Figure 1). It covers parts of NTS map sheets 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02. Access is by float plane and helicopter. The nearest access point is the Leaf River outfitter situated approximately 60 to 75 km of the property's claim blocks.

5. Property description

The Uranium North property consists of four claim blocks comprising 319 map designated cells or claims (Figures 2a and 2b) totalling approximately 148 km^2. The property lies on Category III land, which is free of hindrances with regards to mineral exploration.

6. Geological setting

6.1 General

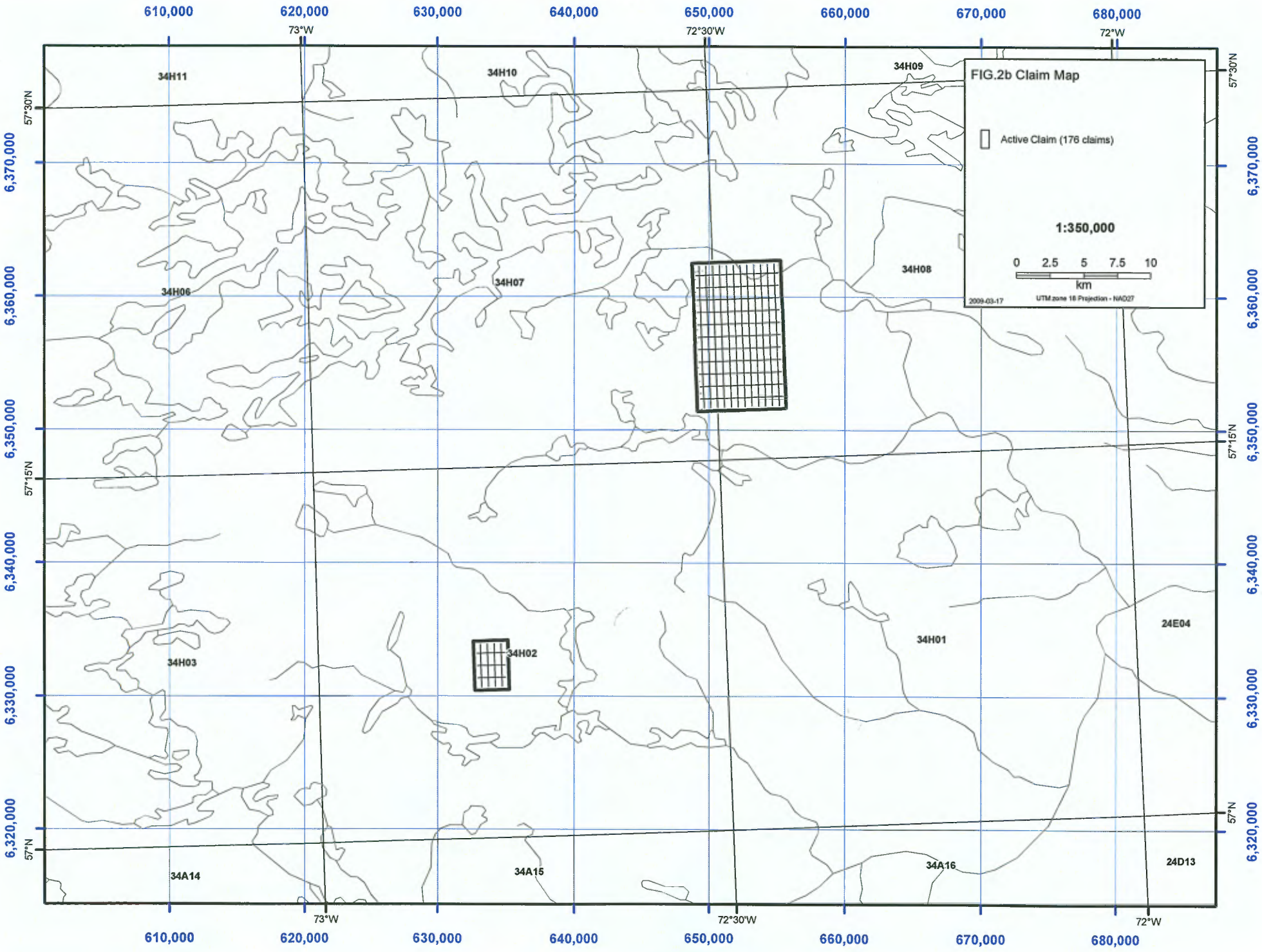
The area is in the northeastern portion of the geological Superior Province, or more precisely, in the Minto Subprovince. This subprovince is bounded to the south by the Bienville Subprovince and to the north and east by the Labrador Trough. It consists primarily of plutonic and gneissic rocks of upper amphibolite to granulite facies (Hocq et al., 1994). The Minto Subprovince is divided into six geological domains, three of which are present on the Uranium North property. The main rock types identified on and in the vicinity the property during regional mapping performed prior to the 2008 prospecting work (Figure 3 and section 7 below) are as follows:

- Diorite and monzodiorite with orthopyroxene.
- Granite with biotite ± hornblende.
- Metasedimentary rocks, including iron formations.
- Metavolcanic rocks, including mafic and ultramafic rocks.
- Granodiorite with hornblende and biotite, including some gabbros and diorites, cut by late granites.

6.2 Property geology

The main rock types identified on the property during the course of the 2008 prospecting program are described below:

- Granite, medium- to coarse-grained with biotite ± magnetite. Pegmatitic, hematitic and oxidized zones, as well as smoky quartz, hornblende and molybdenite, were found within the granite.
- Pegmatite with or without biotite and magnetite. Rock composition ranges from granitic to tonalitic. Pegmatites are associated with hematization and oxidation. Chlorite and epidote veinlets were found locally. Some pegmatite dykes contain tourmaline whereas others contain disseminated molybdenite.
- Granodiorite, medium- to coarse-grained. Quartz and feldspar porphyroblasts produce a graphic or porphyritic texture.
- Gabbro, medium-grained and massive or banded, generally forming large dykes with positive relief, showing enrichment in Ni, Cu, Au and/or Pd.
- Paragneiss with biotite, magnetite and sometimes fine-grained garnet. Some paragneiss contains sulphides, primarily pyrite, but chalcopyrite was also identified in a few samples. Bands of pink quartz have been found with the paragneiss. Paragneiss sometimes forms enclaves within granite or pegmatite.
- Tonalite with an aplitic texture and containing biotite, hornblende and traces of sulphides.
- Iron formation composed of magnetite, hematite and iron oxides, sometimes silicified.


610,000
620,000
630,000
640,000
650,000
660,000
670,000
680,000
73°W
72°30'W
72°W
57°30'N
57°15'N
57°N
6,370,000
6,360,000
6,350,000
6,340,000
6,330,000
6,320,000
34H11
34H10
34H09
34H08
34H07
34H06
34H03
34H02
34H01
24E04
34A14
34A15
34A16
24D13
FIG.2b Claim Map
Active Claim (176 claims)
1:350,000
0 2.5 5 7.5 10
km
2009-03-17
UTM zone 18 Projection - NAD27

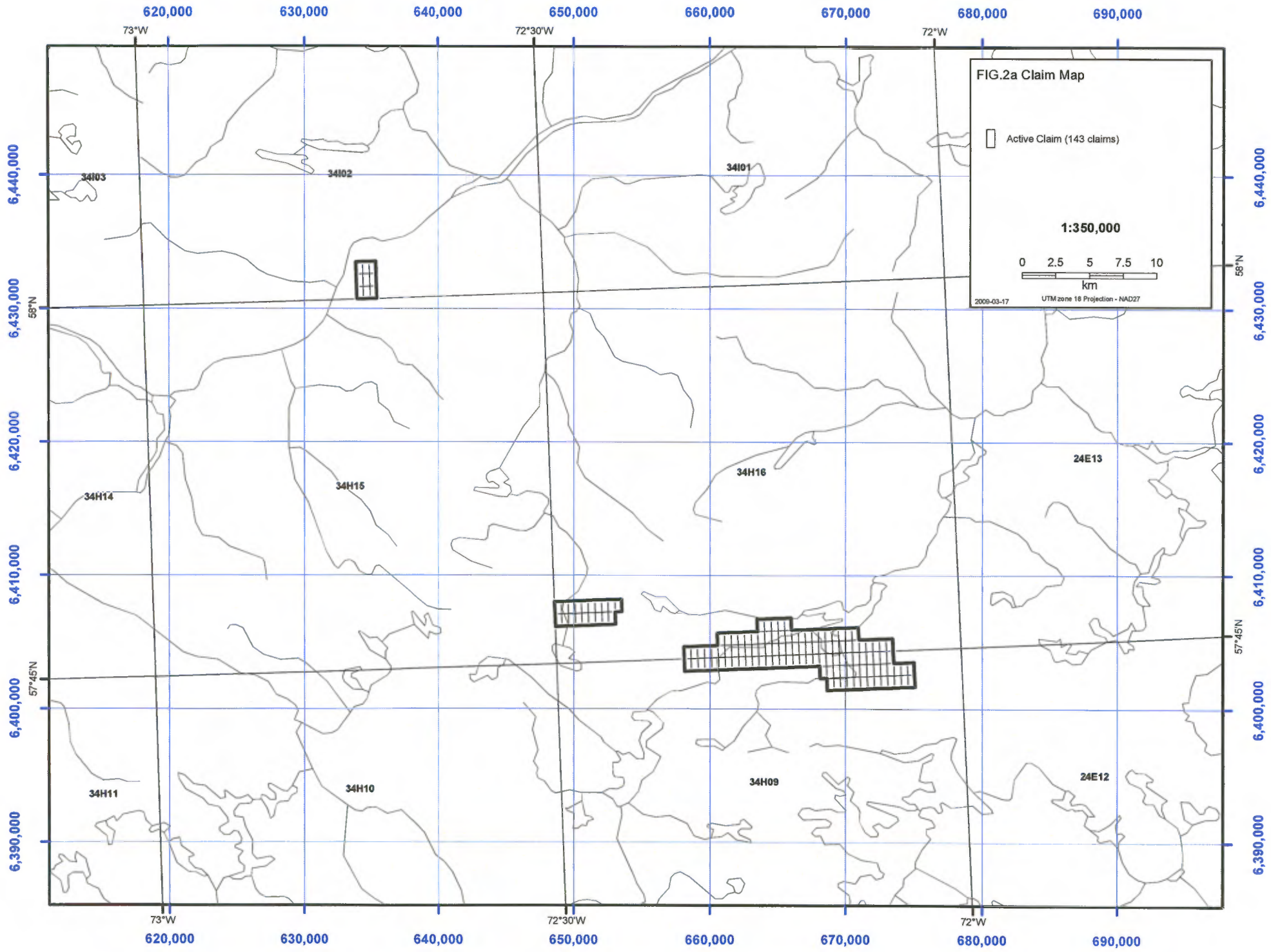


FIG.2a Claim Map
Active Claim (143 claims)
1:350,000
0 2.5 5 7.5 10
km
2009-03-17
UTM zone 18 Projection - NAD27
620,000
630,000
640,000
650,000
660,000
670,000
680,000
690,000
73°W
72°30'W
72°W
6,440,000
6,430,000
6,420,000
6,410,000
6,400,000
6,390,000
58°N
57°45'N
34I03
34I02
34I01
34H14
34H15
34H16
24E13
34H11
34H10
34H09
24E12

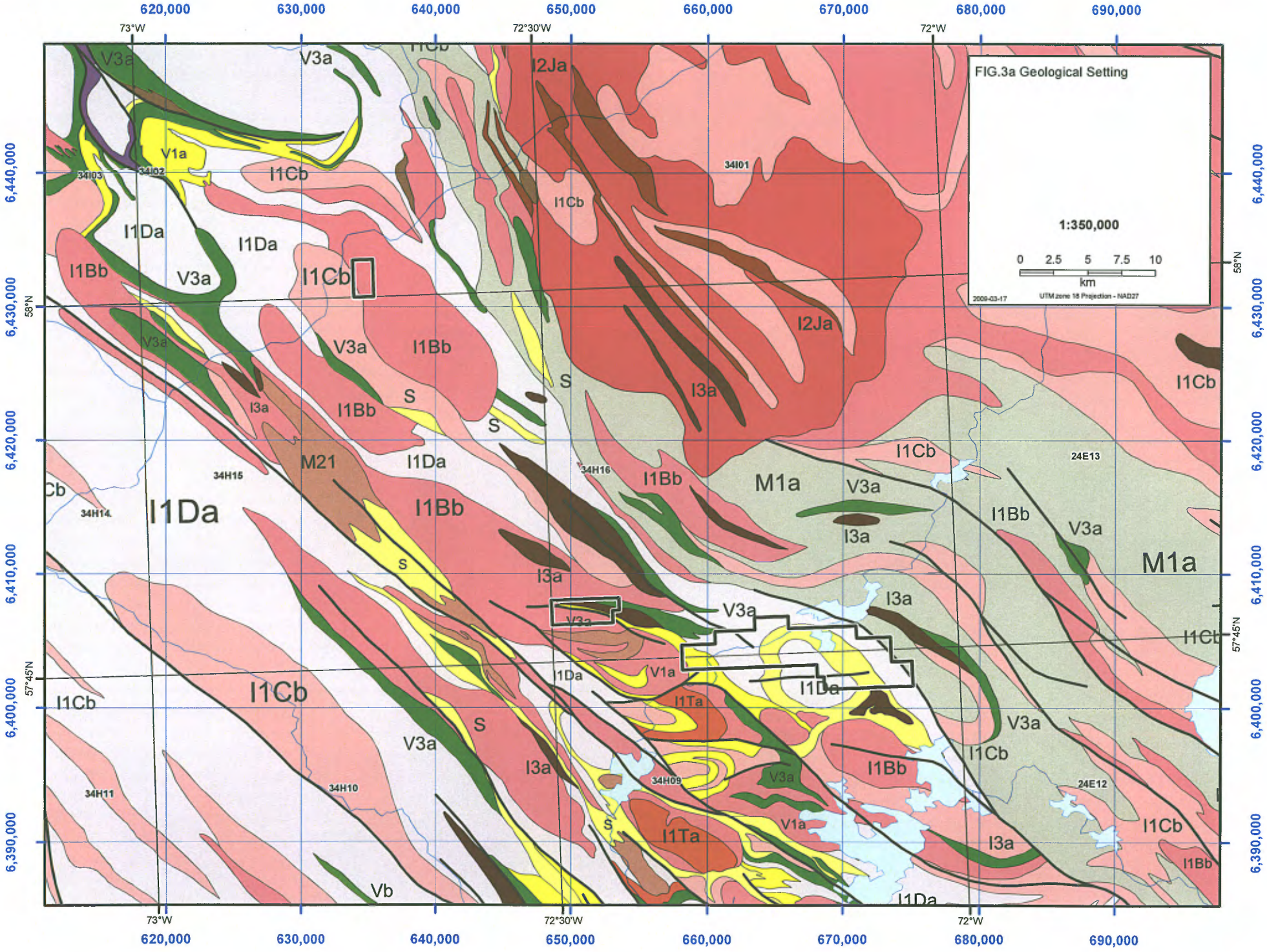


FIG.3a Geological Setting
1:350,000
0 2.5 5 7.5 10
km
2009-03-17
UTM zone 18 Projection - NAD27
620,000
630,000
640,000
650,000
660,000
670,000
680,000
690,000
73°W
72°30'W
72°W
6,440,000
6,430,000
6,420,000
6,410,000
6,400,000
6,390,000
58°N
57°45'N
V3a
I2Ja
V1a
I1Cb
I1Da
I1Bb
S
I3a
M21
M1a
Vb
34I01
34I02
34I03
34H09
34H10
34H11
34H14
34H15
34H16
24E12
24E13

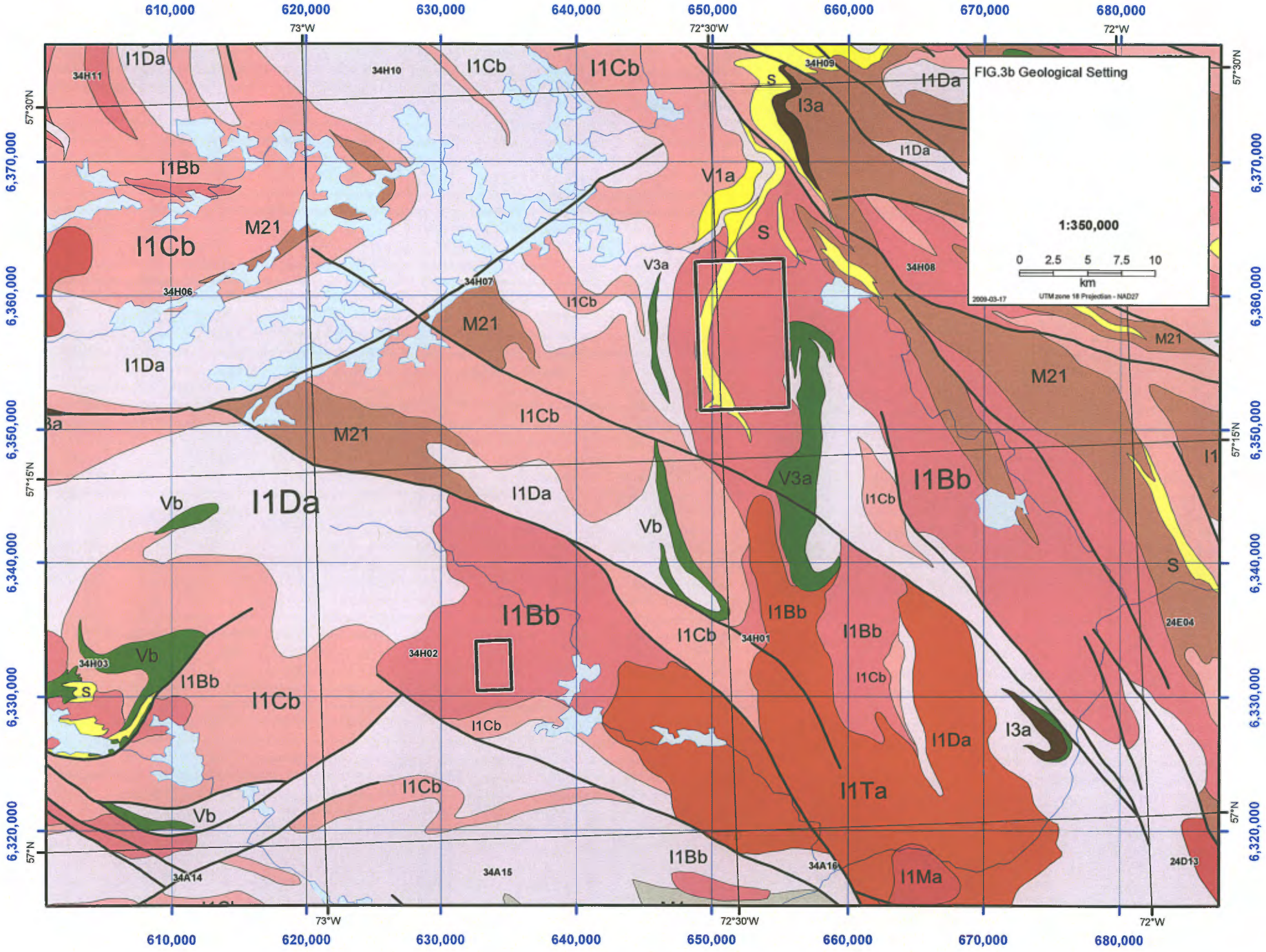


FIG.3b Geological Setting
1:350,000
0 2.5 5 7.5 10
km
2009-03-17
UTM zone 18 Projection - NAD27
610,000
620,000
630,000
640,000
650,000
660,000
670,000
680,000
73°W
72°30'W
72°W
57°30'N
57°15'N
57°N
6,370,000
6,360,000
6,350,000
6,340,000
6,330,000
6,320,000
I1Da
I1Cb
I1Bb
I1Ta
I1Ma
M21
V1a
V3a
Vb
I3a
S
34H11
34H10
34H09
34H08
34H07
34H06
34H03
34H02
34H01
34A14
34A15
34A16
24E04
24D13

PENNSYLVANIEN

T1G — Impactite

PALÉOPROTÉROZOÏQUE

Sa — Roches sédimentaires et volcaniques (non subdivisées)

ARCHÉEN

Roches intrusives felsiques

I2D — Syénite et syénite à néphéline

I2Fa — Monzonite et monzonite quartzifère porphyriques

I1Ma — Monzogranite et granodiorite porphyriques

I1Ba — Leucogranite à quartz bleuté

I1Bb — Granite à biotite ± hornblende

I1a — Granitoïde hétérogène à texture diatexitique avec enclaves de roches mafiques

M21 — Diatexite à biotite ± grenat ± cordiérite ± sillimanite ± orthopyroxène avec enclaves de paragneiss

I1Ta — Enderbite, diorite et monzodiorite avec orthopyroxène

I1Sa — Opdalite, charnockite et mangérite

I1Ca — Granodiorite et granite à biotite + hornblende + clinopyroxène ± orthopyroxène

I1Cb — Granodiorite à biotite + hornblende

I1Da — Tonalite et trondhjémite à biotite ± hornblende

I1Db — Tonalite et diorite quartzifère à plagioclase bourgogne + biotite + hornblende ± clinopyroxène

M1a — Gneiss tonalitique et dioritique

Roches intrusives mafiques, intermédiaires et ultramafiques

I — Roches mafiques, intermédiaires et ultramafiques (non subdivisées)

I4Ba — Pyroxénite, péridotite, hornblendite, serpentinite et dunite

I3Aa — Gabbro, gabbronorite et anorthosite

I2Ja — Diorite et diorite quartzifère

Roches supracrustales

Vb — Roches supracrustales (non subdivisées)

S — Roches métasédimentaires (wacke, pélite, grès, siltstone, quartzite, conglomérat et formation de fer) ; paragneiss

V1a — Roches métavolcaniques felsiques à intermédiaires et roches volcanoclastiques associées

V3a — Roches métavolcaniques mafiques à ultramafiques et roches mafiques indifférenciées ; amphibolite et gneiss mafique (protolite incertain)

——— Faille

——— Contact

Sources

Données	Organisme	Année
Géologie	MRNF, Géologie Québec	2005
Hydrographie	MRNF, Direction générale de l'information géographique	2002
Champ magnétique total résiduel	MRNF, Géologie Québec	2000
Orographie	COCG, GéoBase®	2003

Réalisation

Compilation géologique : Alain Leclair avec la collaboration des géologues du projet Grand Nord

Principaux participants aux levés géologiques régionaux (échelles de 1:250 000 et 1:500 000) :
CGC (1989 à 1996) - J.A. Percival, K.D. Card, T. Skulski, L. Nadeau, S. Lin
MRNF (1998 à 2003) - D. Bandyayera, J. Bédard, A. Berclaz, P. Brouillette, A.-M. Cadieux, S. Chevé, J. David, C. Gosselin, J.-Y. Labbé, P. Lacoste, Y. Larbi, A. Leclair, L. Madore, C. Maurice, M. Parent, P. Roy, K.N.M. Sharma, M. Simard, R. Thériault, S. Turcotte

Conception technique : Frédéric St-Pierre, Christian Garneau et Nelson Leblond

Diffusion : Géologie Québec

6.3 Mineralization

Significant uranium mineralization (up to 0.88% U_3O_8) has been identified on the easternmost claim block of the property over a 4-km-long target area. Two targets have been identified as follows:

Sulluppagalik West - A well defined radiometric uranium anomaly is noted over this area. Mineralization is observed over a small ridge of approximately 100 to 200 m by 500 to 600 m in size and consists of centimetric patches with abundant uranophane and biotite. The mineralized patches show readings ranging from 1,500 to 3,500 cps, with a maximum of 13,000 cps. The host rocks range in composition and texture and include granite, pegmatite and gneiss. The regional geological map suggests that the target is located within a circular tonalitic intrusion.

Sulluppagalik South - This target is situated at the western limit of a strong radiometric anomaly. Mineralization was observed over an area of 15 by 50 m, along a small creek. Mineralization consists of small pegmatite dykes (10 cm wide) rich in biotite with minor molybdenite. Values up to 24,000 cps were measured on the mineralized dykes. The dykes are hosted in migmatite and paragneiss located on the edge of a tonalitic intrusion. The size of the mineralized dykes is unknown. The level of deformation over this area is strong and structures trend mostly north-south.

Mineralization was also identified on the north-western claim block of the property (up to 0.21% U_3O_8). The mineralization is hosted in granites.

The continuity of the uranium mineralization has yet to be established.

7. Previous work

The work performed in the general area of the property before 2007 can be summarized as follows:

- Geological mapping – Parent et al. (2001 to 2005), Nedlouc Lake area; Leclair et al. (2001), Potherie Lake area.
- Lake-bottom sediment geochemical survey – Quebec Ministry of Natural Resources and Wildlife.
- Prospecting and exploration reconnaissance – SOQUEM for uranium: Quirion and Lévesque (1999) and Quirion (1998); Falconbridge Ltd for base metals: Lessard (2001); Cominco Ltd: Heidma (1993).
- Airborne magnetic and radiometric geophysical surveys – Ryder-Turner (1998).

8. 2008 Geological assessment work

8.1 General

Concurrently with the geological assessment work, a helicopter-borne magnetic and spectrometric survey was performed on the Uranium North property. The detailed results of the helicopter-borne survey are the subject of a separate assessment work report prepared by MB GEOSolutions.

The prospecting teams (one geologist and one assistant per team) performed a total of about 80 km of geological traverses covering 80 to 90% of the property's surface area. The traverses were planned using air photo interpretations, and when available, the results of the helicopter-borne magnetic and radiometric survey.

Field measurements on rock samples were done using a spectrometer (RS-230) and a Niton XRF analyzer. Rock samples were assayed at Activation Laboratories Ltd in Ancaster, Ontario, and at SGS Lakefield Research Limited in Lakefield, Ontario. Both laboratories are ISO-IEC 17025 accredited facilities.

8.2 Prospecting results

A total of 20 outcrop samples were collected, analyzed and returned assays up 0.88% U_3O_8. Uranium results can be summarized as follows:

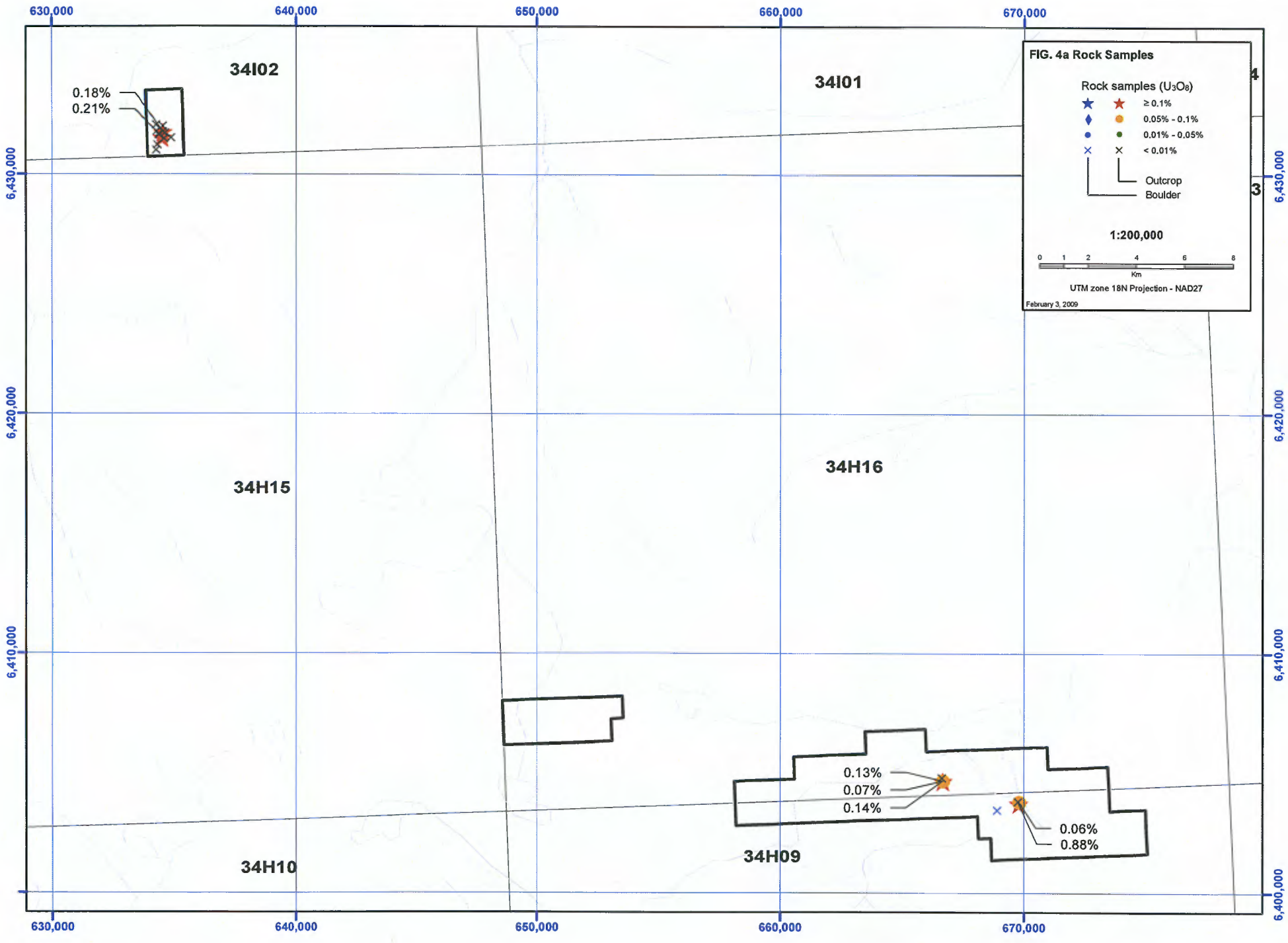
- 7 samples with values above 0.05% U_3O_8: 0.88% U_3O_8, 0.21% U_3O_8, 0.18% U_3O_8, 0.14% U_3O_8, 0.13% U_3O_8, 0.07% U_3O_8 and 0.06% U_3O_8.
- 2 samples with values between 0.01% and 0.05% U_3O_8.
- 11 samples with values less than 0.01% U_3O_8.

Figure 4 shows the locations of the collected samples, including mineralized samples. Results and sample summaries are presented in Appendix 1. A summary of expenditures incurred for the 2008 exploration work is presented in Appendix 2.

The three highest U_3O_8 values show U/Th ratios ranging from 37 to 545. Uranophane was identified. Mineralized material exhibits count per seconds (cps) measurements ranging from 1,500 to 3,500, with a peak value of 13,000 cps. Mineralization is hosted mainly in pegmatite dykes and granite and associated with the presence of centimetric zones rich in biotite and uranophane and sometime molybdenite in pegmatite dykes.

9. Conclusions

The geophysical signatures, the presence of uranium showings, the favourable geological environment, and the presence of major structures indicate an excellent exploration potential for intrusion-related uranium deposits. Major northwest-trending structures with associated potential structural splays or fault intersections crosses the easternmost claim block as well as the north-western claim block of the property and presents a very favourable setting for uranium mineralization hosted by structures. It is therefore recommended that the property be the focus of further exploration work.


630,000
640,000
650,000
660,000
670,000
6,430,000
6,420,000
6,410,000
6,400,000
34I02
34I01
34H15
34H16
34H10
34H09
0.18%
0.21%
0.13%
0.07%
0.14%
0.06%
0.88%
FIG. 4a Rock Samples
Rock samples (U_3O_8)
≥ 0.1%
0.05% - 0.1%
0.01% - 0.05%
< 0.01%
Outcrop
Boulder
1:200,000
0 1 2 4 6 8
Km
UTM zone 18N Projection - NAD27
February 3, 2009

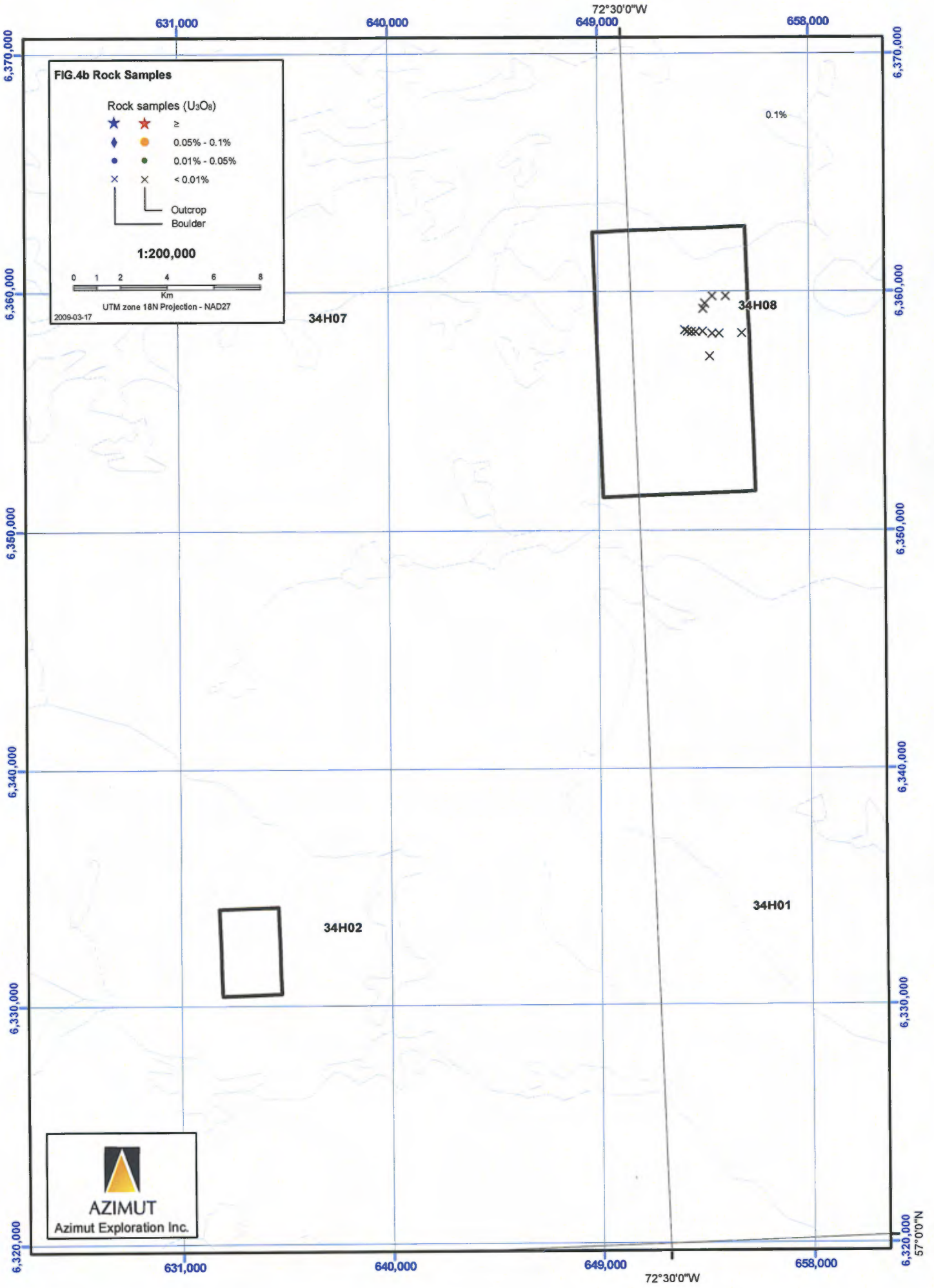


FIG.4b Rock Samples
Rock samples (U_3O_8)
≥
0.05% - 0.1%
0.01% - 0.05%
< 0.01%
Outcrop
Boulder
1:200,000
0 1 2 4 6 8
Km
UTM zone 18N Projection - NAD27
2009-03-17
72°30'0"W
631,000
640,000
649,000
658,000
6,370,000
6,360,000
6,350,000
6,340,000
6,330,000
6,320,000
57°0'0"N
0.1%
34H07
34H08
34H01
34H02
AZIMUT
Azimut Exploration Inc.

10. References and bibliography

Title	Date	Authors
Preliminary report, South Minto Project, Northern Quebec – Internal report.	April 2006	Azimut Exploration Inc.
Preliminary report, North Minto Project, Northern Quebec – Internal report.	April 2006	Azimut Exploration Inc.
Vizien assessment report, Cominco Ltd.	1993	Heidma, J.
Campagne d'échantillonnage de sédiments lacustres Lac Vernot.	2009	IOS Services Géoscientifiques inc.
Campagne d'échantillonnage de sédiments lacustres Minto Nord et Minto Sud.	2008	IOS Services Géoscientifiques inc.
Géologie du Québec. Ministère des Ressources Naturelles du Québec, MM 94-01, 166 pages.	1994	Hocq, M., Verpaelst, P., Clark, T., Lamothe, D., Brisebois, D., Brun, J. and Martineau, G.
Géologie de la région du lac la Potherie (34I). Ministère des Ressources Naturelles du Québec, RG 2000-12, 48 pages.	2001	Leclair, A., Parent, M., David, J., Sharma, K., K.N.M. and Dion, D. J.
Report of the 1998 summer field exploration program. Project Grand Nord. Falconbridge Ltée.	2001	Lessard, P.
Report on a helicopter-borne geophysical survey on the South Minto Property	2009	MB GEOsolutions
Report on a helicopter-borne geophysical survey on the North Minto Property	2009	MB GEOsolutions
Report on a helicopter-borne geophysical survey on the Uranium North Property	2009	MB GEOsolutions
Report on a helicopter-borne geophysical survey on the Lac Vernot Property	2009	MB GEOsolutions
Rapport sur les travaux d'exploration 1998, Vernot (1250) et Morrice (1251). CRM, GM 565517, 111 pages.	1998	Quirion, D.
Rapport sur les travaux d'exploration, Projet Vernot (1250). Consorminex Inc, Corem, GM 57402, 125 pages.	1999	Quirion, D. and Lévesque, S.
Final Report on Data Acquisition & Processing, Fixed Wing Magnetic and Radiometric Geophysical Survey, Morrice and Vernot Grids. Scintrex Ltd, GM 56516, 26 pages.	1998	Ryder-Turner, A.

11. Certificates and Consents of Authors

To accompany the report titled "Report on the 2008 Geological Assessment Work on the Uranium North Property of Rukwa Uranium Ltd., Nunavik, Quebec, NTS 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02" dated May 11, 2009.

I, Caroline Richer, G.I.T. student based at the University of New Brunswick, in the city of Fredericton, New Brunswick, hereby certify that:

1. I am a geologist and graduate student based at the University of New Brunswick in the city of Fredericton, New Brunswick.

2. I am a graduate of the Université du Québec à Montréal (2007) with a Bachelor of Science, Major in Geology. I have worked as an exploration geologist since 2007, for a total of 1 year.

3. I am a member of the Geological Association of Canada, a member of the Society of Economic Geologists, and a professional geologist in training (G.I.T.), licence number 1295, registered in the Province of Quebec.

4. I am jointly responsible for the preparation of the technical report titled "Report on 2008 Geological Assessment Work on the Uranium North Property of Rukwa Uranium Ltd., Nunavik, Quebec, 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02" dated May 11, 2009.

5. From July 21 to August 23, 2008, I performed field work on the Uranium North property as a geologist for Rukwa Uranium Ltd. The information/data used in this report was obtained from the field work, from data acquired as the project geologist, and from the study of the area as described in the bibliography and references cited.

6. I am not aware of any material fact or material change with respect to the subject matter of the Report, which is not reflected in the Report and the omission of which would make the Report misleading. The report is not NI 43-101 compliant as it has not been prepared in compliance with that national instrument. It is prepared as an Assessment Report for filing with the Government of Quebec.

7. I am independent of Rukwa Uranium Ltd. and do not beneficially own, directly or indirectly, securities in Rukwa Uranium Ltd.

8. I hereby consent to the use of this report for submission to government agencies as required.

Fredericton, Canada (Signed)

Caroline Richer

OGQ. #1295

Caroline Richer, géo. stag.
May 11, 2009

To accompany the report titled "Report on 2008 Geological Assessment Work on the Uranium North Property of Rukwa Uranium Ltd., Nunavik, Quebec, 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02" dated May 11, 2009.

I, Normand Champigny, P.Eng., residing at 4717 Roslyn, Montreal, Quebec, H3W 2L3, do hereby certify that:

1. I am a geological engineer retained by Azimut Exploration Inc., Suite 214, 110 Rue De La Barre, Longueuil, Quebec, Canada, J4K 1A3, in the capacity of Senior Consultant.

2. I am a graduate of École Polytechnique (1979) with a B.A.Sc. degree in Applied Science (Geological Engineering), a graduate of the University of British Columbia (1981) with a B.A.Sc. degree in Applied Science (Geological Engineering), and a graduate of the École Nationale Supérieure des Mines de Paris with a CFSG (specialized diploma in geostatistics, 1987). I have practiced my profession continuously since 1982.

3. I am a member in good standing of the Professional Engineers of Ontario, licence number 90344476, the Association of Professional Engineers and Geoscientists of British Columbia, licence number 131187, and the Ordre des Ingénieurs du Québec, licence number 125380.

4. I am a Qualified Person as defined by National Instrument 43-101.

5. I am responsible for the preparation of the technical report titled "Report on 2008 Geological Assessment Work on the Uranium North Property of Rukwa Uranium Ltd., Nunavik, Quebec, 34H02, 34H07, 34H08, 34H09, 34H16 and 34I02" dated May 11, 2009.

6. Since April 2006, I have reviewed information available from Azimut Exploration Inc. at their offices in connection with the Uranium North property. I have a high degree of familiarity with the exploration results obtained at the property and regional-scale. I have not visited the property.

7. I am not aware of any material fact or material change with respect to the subject matter of the Report, which is not reflected in the report and the omission of which would make the Report misleading. The report is not NI 43-101 compliant as it has not been prepared in compliance with that instrument. It is prepared as an Assessment Report for filing with the Government of Quebec

8. I do not hold, directly or indirectly, securities in Rukwa Uranium Ltd.

9. I hereby consent to the use of this report for submission to government agencies as required.

Longueuil, Canada (Signed)

Normand Champigny, P. Eng.
May 11, 2009

OIQ. #125380

Appendix 1

Sample Summaries / Analytical Results – 2008 Rocks

Sample_no.	Date	Laboratory	Description	XRF_num.	Block	Easting	Northing	Outcrop
08CR090	10/08/2008		Pegmatite	521	N	666669	6404825	Très large affleurement sur le flanc d'une colline
08CR095	11/08/2008		Granite ou granodiorite blanche à Bt	525	N	668902	6403477	2 boulders dans un champs de boulders
08CR089	10/08/2008	ActLabs	Pegmatite avec produit jaune banane	243	N	666697	6404698	Très large affleurement sur le flanc d'une colline
08CR089B	18/08/2008	ActLabs	Pegmatite	72	N	666697	6404698	Très large affleurement sur le flanc d'une colline
08CR089b2	18/08/2008	ActLabs	Pegmatite	70	N	666697	6404698	Très large affleurement sur le flanc d'une colline
08CR099	11/08/2008	ActLabs	Pegmatite blanche mixée avec des bandes de paragneiss	529	N	669812	6403771	Affleurement plat dans un ruisseau
08CR099B	18/08/2008	ActLabs	Pegmatite blanche mixée avec des bandes de paragneiss		N	669790	6403841	Affleurement plat dans un ruisseau
08CR099C	18/08/2008	ActLabs	Pegmatite blanche mixée avec des bandes de paragneiss	74	N	669818	6403824	Affleurement plat dans un ruisseau
08CR109	20/08/2008		Gabbro à grain moyen légèrement magnétique avec sulfures (py)	199	S	654168	6358255	Affleurement sur le haut d'une colline 15mX5m
08CR110	20/08/2008		Gabbro légerement magnétique non folié avec sulfures	203	S	653863	6358253	Affleurement sur le flans d'une colline
08CR111	20/08/2008		Gabbro légerement magnétique non folié avec sulfures	206	S	653462	6358348	3e affleurement sur même dyke
08CR112	20/08/2008		Gabbro légerement magnétique non folié avec sulfures	208	S	653161	6358328	4e affleurement
08CR113	20/08/2008		Gabbro roullé légerement magnétique non folié avec sulfures	331	S	652977	6358327	5e affleurement
08CR114	20/08/2008		Gabbro avec peu de sulfures	462	S	652808	6358339	6e affleurement
08CR115	20/08/2008		Même gabbro que 08CR114	465	S	652685	6358412	7e affleurement
S-1 22-08-08	22/08/2008		Gabbro amphibolitise, horizon riche en biotite. Pyrite visible.	32	S	653466	6359300	Dyke de gabbro encaisse dans gneiss granitique/granite
S-2 22-08-08	22/08/2008		Gabbro homogene. Pyrite visible.	35	S	653558	6359522	En relief positif (idem S-1).
S-3 22-08-08	22/08/2008		Pyroxénite altérée au centre du gabbro.	38	S	653864	6359830	Dyke 5m large, 100+m de long.
S4 22-08-08	22/08/2008	ActLabs						
S-4 22-08-08	22/08/2008		Gabbro homogene	40	S	653864	6359830	Gabbro 2m gauche et droite de la pyrox.
S-5 22-08-08	22/08/2008		Gabbro (dyke) grain tres fins par endroits	43	S	654435	6359839	Petite bande a grains fins tres mafiques par endroit sur le dyke
S-6 22-08-08	22/08/2008		Dyke de gabbro, orientation N-S. Non-lite, magnetique. Sulfures visible.	52	S	655122	6358278	Dyke visible 10m large, 100m long et plus.
S-7 22-08-08	22/08/2008		Dyke de gabbro homogene. Orientation N-S. Pas de sulfure visible.	55	S	653763	6357307	10m large par 100+ de long.
S-7B 22-08-08	22/08/2008	ActLabs	Mince bande de rx mafique, transition gabbro et roche felsique.	58	S	653763	6357307	Bande de 0,5m de large en contact avec le granite.
S-1 25-07-08	25/07/2008	SGS	Rx mafique, aiguilles vertes (Cu). Grains fins.	188	N	634277	6432062	Zone de faille. Roches mafiques associées. Suivi sur plus de 100m.
S-1 27-07-08	27/07/2008		Rx mafique altérée. Px.	700	N	634889	6431518	Petite veine en bordure d'une faille
S-1 28-07-08	28/07/2008	SGS	Rx mafique à grains très fins. Roche semble silicifiée. Pyrite visible.	734	N	634320	6431228	Petite zone de faille avec fracture dans le granite..
S-2 25-07-08	25/07/2008	SGS	Pyroxénite. Beaucoup de pyrite.Grains fins.	perdu	N	634277	6432062	Zone de faille. Roches mafiques associées. Suivi sur plus de 100m.
S-2 27-07-08	27/07/2008	SGS	Rx mafique très altérée. Sulfures visible(Pyrite). N-mag.	701	N	634632	6431725	Bordure de faille, petite "patch".
S-2 28-07-08	28/07/2008		Dyke de gabbro. Pyrite visible.	735	N	634276	6431014	Dyke visible sur quelques mètres
S-3 25-07-08	25/07/2008	SGS	Roches mafiques fortement altérée. Mag fort. Chloritisation.	190	N	634554	6432020	Au total suivi sur plus de 250m. De 2 a 10 m en largeur. Orientation 150
S-3 27-07-08	27/07/2008	SGS	Pyroxénite altérée (grains fins), veinule de quartz avec pyrite.. N-mag.	702	N			
S-4 25-07-08		SGS						
S-4 27-07-08	27/07/2008	SGS	Rx mafique altérée, grains fins. Beaucoup de pyrite.	703	N	634603	6431495	Toujours en bordure de la même faille, petit affleurement
S-5 27-07-08	27/07/2008	SGS	Rx mafique altérée, même endroit que S-1, S-2 et S-3	708	N	634554	6431771	Bordure de la faille. Zone de 10m par 3m.
S-6 27-07-08	27/07/2008	SGS	Rx mafique très altérée. Entre 16000 et 20000 CPS..	711	N	634516	6431544	Petite veine de quelques cm de largeur sur 2 m de long.
S-7 27-07-08	27/07/2008		Rx mafique altérée. Px??	713	N	634393	6431699	Même faille, plus sud, se présente en patch de quelques m.
S-8 27-07-08	27/07/2008	SGS	Rx mafique altérée.	716	N	634389	6431643	Même type de patch de rx mafique en bordure de faille.
S-9 27-07-08	27/07/2008	SGS	Rx mafique altérée.	718	N	634290	6431788	Petite zone en bordure de faille.

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted: 02-Sep-08
Invoice No.: A08-5742 (i)
Invoice Date: 10-Sep-08
Your Reference:

Rukwa Uranium
Suite 810
18 King St East
Toronto Ontario M5C 1C4
Canada

ATTN: J.C. Potvin

CERTIFICATE OF ANALYSIS

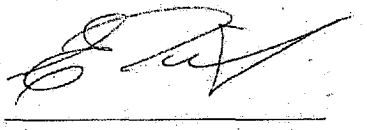
74 Rock samples were submitted for analysis.

The following analytical packages were requested: Code UT-1-0.5g Aqua Regia ICP/MS
Code 1C-Exp Fire Assay-ICP/MS
Code 5D-U-Total DNC

REPORT **A08-5742 (i)**

Notes:
Assays are recommended for values >10,000 for Cu and Au.
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY :



Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Analyte Symbol	Pd	Pt	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
08CR089	< 1	< 1	< 2	21.8	0.1	< 1	0.153	0.18	0.73	0.37	1.06	0.14	1.7	7	5.9	121	0.81	1.8	3.3	3.36	18.4	2.65	0.1	0.2
08CR089B	< 1	< 1	< 2	4.1	0.1	2	0.096	0.04	0.40	0.29	0.40	0.08	0.2	2	7.3	58	0.41	0.7	1.7	3.37	7.5	1.06	0.1	0.6
08CR089b2	< 1	< 1	< 2	10.4	0.1	< 1	0.157	0.08	0.55	0.31	< 0.02	0.12	0.6	7	5.8	82	0.70	1.1	2.2	2.61	15.3	2.04	< 0.1	< 0.1
08CR099	< 1	1	< 2	45.9	0.1	1	0.108	1.90	3.30	2.62	0.34	0.25	27.5	184	17.8	1020	5.21	20.9	35.5	< 0.01	121	15.1	1.2	2.2
08CR099B	< 1	< 1	6	52.9	0.1	< 1	0.089	2.27	4.19	3.48	0.20	0.05	33.8	212	12.6	974	7.14	22.8	32.2	80.2	158	20.8	0.4	0.7
08CR099C	< 1	< 1	3	23.0	0.3	2	0.101	0.95	2.22	0.96	0.14	1.87	12.5	88	11.2	510	3.48	14.4	18.9	18.8	76.3	10.3	0.3	1.0
S4 22-08-08	< 1	< 1	< 2	9.5	0.2	16	0.597	1.40	4.53	0.34	0.08	2.28	3.8	180	66.2	674	7.36	39.1	47.2	69.4	74.1	12.3	0.2	0.7
S-7B 22-08-08	< 1	< 1	< 2	7.2	0.2	4	0.841	1.74	4.09	0.25	< 0.02	2.27	6.0	188	68.7	789	8.25	42.5	53.5	86.0	61.0	12.0	0.2	0.1

Analyte Symbol	Pd	Pt	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
08CR088	0.7	30.3	8.6	23.4	9.0	1.1	46.0	0.063	< 0.01	< 0.02	1.15	< 0.02	0.23	1.30	58.3	20.6	43.8	5.7	19.5	4.0	0.2	3.9	0.6	3.80
08CR088B	0.3	12.3	7.8	6.65	6.0	0.3	28.4	0.063	0.02	< 0.02	0.33	< 0.02	0.11	0.30	58.0	7.4	16.4	1.8	6.35	1.4	0.1	1.3	0.2	1.10
08CR089b2	0.1	17.1	8.9	2.01	9.1	1.0	86.0	0.034	< 0.01	< 0.02	0.60	< 0.02	0.10	0.60	60.3	3.8	8.03	0.8	2.82	0.5	0.1	0.4	0.1	0.300
08CR099	8.2	209	12.3	574	5.1	4.3	1500	0.121	< 0.01	0.06	2.32	0.06	0.10	8.90	323	441	994	121	420	> 100	3.2	113	19.2	114
08CR099B	0.8	327	1.4	29.1	1.5	3.6	1110	0.143	< 0.01	0.09	4.13	0.04	0.30	14.6	286	68.7	142	19.1	65.1	13.5	0.5	11.9	1.5	7.00
08CR099C	1.7	94.3	33.9	102	1.7	2.5	540	0.128	< 0.01	0.03	1.39	0.04	0.09	3.70	108	66.4	145	20.8	76.1	21.0	1.1	24.4	3.9	22.5
S4 22-08-08	0.4	40.8	102	15.1	8.0	0.3	9.86	0.069	0.07	0.03	0.73	< 0.02	0.04	2.60	113	10.9	23.1	3.1	12.2	2.5	0.8	2.9	0.4	2.50
S-7B 22-08-08	0.4	17.1	111	17.8	8.8	0.2	2.26	0.024	0.04	0.03	0.68	< 0.02	0.02	1.60	111	13.6	28.7	3.9	14.5	3.2	0.7	3.5	0.5	3.00

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	DNC	DNC
08CR089	0.8	2.2	0.3	1.9	0.3	0.3	< 0.05	1.0	< 0.001	3.0	0.19	28.8	17.2	635	657	1.033
08CR089B	0.2	0.6	0.1	0.5	0.1	0.2	< 0.05	0.8	< 0.001	< 0.5	0.07	14.0	5.8	1110	1150	1.047
08CR089b2	0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	0.3	< 0.001	4.9	0.11	7.51	2.2	1200	1240	1.069
08CR099	24.5	69.6	10.1	59.4	7.9	0.1	0.06	< 0.1	0.005	11.6	1.52	2310	> 200	7500	7330	1.065
08CR099B	1.1	2.4	0.3	1.2	0.1	< 0.1	0.11	1.4	< 0.001	15.8	2.38	215	51.4	79.0	84.1	1.034
08CR099C	4.3	11.3	1.5	8.4	1.1	< 0.1	< 0.05	0.2	0.004	16.1	0.60	154	40.3	517	538	1.061
S4 22-08-08	0.5	1.4	0.2	1.1	0.1	0.2	< 0.05	1.6	< 0.001	< 0.5	0.35	28.3	3.3	1.0	0.6	1.065
S-78 22-08-08	0.6	1.7	0.2	1.3	0.2	0.2	< 0.05	1.0	< 0.001	2.6	0.19	2.65	1.6	0.7	0.7	1.081

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	DNC	DNC

Quality Control																								
Analyte Symbol	Pd	Pt	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Quality Control																							
Analyte Symbol	Pd	Pt	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	2	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-MS	FA-MS	FA-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Quality Control																							
Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Quality Control																								
Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

Quality Control																
Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	DNC	DNC

Quality Control																
Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	U	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1	0.1	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	DNC	DNC

Certificate of Analysis

Work Order: TO102963

To: **SGS Lakefield Research Limited**
Attn: Nicole Mozola
185 Concession Street
P.O. Box 4300
LAKEFIELD
ONTARIO K0L 2H0

Date: Nov 24, 2008

P.O. No.	#ANA2008-0383
Project No.	DEFAULT
No. Of Samples	73
Date Submitted	Sep 05, 2008
Report Comprises	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:

Discard after 90 days: 73 Pulps

Comments:

The detection limit for Cs was increased to 5 ppm due to the inconsistency of its concentration levels in the reagents used.

Certified By : _____
Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests.

Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li	Mg	Mn
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.01	5	0.01	1	0.5	0.01	0.01	1	0.01	5
Units	%	PPM	%	PPM	PPM	%	%	PPM	%	PPM
S-5 27-07-08	3.47	<5	0.36	663	126	12.1	<0.01	28	2.69	1660
S-1 28-07-08	5.40	38	5.54	288	266	9.30	0.14	20	4.36	2050
S-3 27-07-08	2.88	<5	0.24	569	134	11.2	<0.01	19	2.36	1180
S-8 27-07-08	4.16	<5	0.58	554	40.4	10.1	<0.01	22	3.39	1510
S-2 25-07-08	1.60	198	0.51	253	32.3	1.83	0.47	8	0.61	296
S-1 25-07-08	2.17	7	0.13	433	53.0	6.19	0.01	18	1.54	702
S-3 25-07-08	3.54	16	2.90	212	19.1	7.94	0.05	9	0.90	628
S-4 27-07-08	2.07	<5	0.13	394	10.6	8.32	<0.01	19	1.64	882
S-9 27-07-08	2.31	<5	0.06	363	271	9.30	0.01	19	1.62	867
S-2 27-07-08	4.20	64	1.12	110	5.0	6.54	0.27	24	2.25	1090

Element	Al	Ba	Ca	Cr	Cu	Fe	K	Li	Mg	Mn
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.01	5	0.01	1	0.5	0.01	0.01	1	0.01	5
Units	%	PPM	%	PPM	PPM	%	%	PPM	%	PPM
S-4 25-07-08	9.11	38	6.84	45	12.6	10.9	0.08	40	3.48	1980
S-6 27-07-08	9.01	38	6.73	44	16.5	11.1	0.07	39	3.44	2030

Element	Na	Ni	P	S	Sr	Tl	V	Zn	Zr	Ag
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.01	0.5	50	0.01	0.5	0.01	1	1	0.5	0.02
Units	%	PPM	PPM	%	PPM	%	PPM	PPM	PPM	PPM
S-5 27-07-08	<0.01	359	250	1.56	14.3	0.36	95	165	51.9	0.15
S-1 28-07-08	2.82	194	560	0.17	190	0.84	196	165	136	0.13
S-3 27-07-08	0.01	282	220	0.98	4.1	0.33	93	122	46.4	0.11
S-8 27-07-08	0.01	316	340	1.62	26.9	0.44	88	152	66.1	0.26
S-2 25-07-08	0.07	48.3	60	0.02	80.1	0.05	35	30	12.6	0.04
S-1 25-07-08	0.01	151	130	0.97	5.2	0.18	43	58	27.5	0.07
S-3 25-07-08	0.02	30.3	90	3.65	586	0.10	59	43	48.6	0.12
S-4 27-07-08	<0.01	169	160	4.09	3.7	0.21	50	97	34.1	0.16
S-9 27-07-08	0.02	89.5	80	>5	3.7	0.13	48	76	30.2	0.21
S-2 27-07-08	0.21	74.2	560	0.09	162	0.26	59	95	110	0.11

Element	Na	Ni	P	S	Sr	Ti	V	Zn	Zr	Ag
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.01	0.5	50	0.01	0.5	0.01	1	1	0.5	0.02
Units	%	PPM	PPM	%	PPM	%	PPM	PPM	PPM	PPM
S-4 25-07-08	0.07	40.8	<50	<0.01	932	1.52	182	120	3890	1.05
S-6 27-07-08	0.02	46.6	<50	0.01	898	2.11	240	120	5560	1.48

Element	As	Be	Bi	Cd	Ce	Co	Cs	Ga	Ge	Hf
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	1	0.1	0.04	0.02	0.05	0.1	5	0.1	0.1	0.02
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-5 27-07-08	1	2.4	0.86	<0.02	9.75	234	<5	19.0	0.1	1.52
S-1 28-07-08	<1	4.3	0.12	0.07	36.0	61.2	<5	18.9	0.3	3.76
S-3 27-07-08	2	3.8	0.37	<0.02	8.60	126	<5	14.4	0.1	1.40
S-8 27-07-08	2	0.8	1.10	0.06	13.2	467	<5	19.9	0.1	1.85
S-2 25-07-08	2	0.9	0.09	<0.02	3.94	33.7	<5	5.7	<0.1	0.35
S-1 25-07-08	1	0.4	1.48	<0.02	3.04	78.6	<5	10.9	<0.1	0.78
S-3 25-07-08	3	0.7	1.98	0.02	17.2	272	<5	16.8	0.1	1.29
S-4 27-07-08	2	0.6	2.70	<0.02	4.89	413	<5	10.6	<0.1	0.95
S-9 27-07-08	3	0.4	6.82	0.03	1.97	448	<5	12.0	0.1	0.83
S-2 27-07-08	1	0.9	0.15	<0.02	72.0	51.7	<5	18.6	0.2	3.22

Element	As	Be	Bi	Cd	Ce	Co	Cs	Ga	Ge	Hf
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	1	0.1	0.04	0.02	0.05	0.1	5	0.1	0.1	0.02
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-4 25-07-08	<1	4.5	0.17	0.11	6.92	69.4	<5	49.6	0.7	131
S-6 27-07-08	1	4.4	0.18	0.15	6.41	71.0	<5	51.4	1.2	175

Element	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc	Se
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1	2
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-5 27-07-08	<0.02	4.2	0.20	10.8	4.1	3.9	0.6	<0.05	10.8	<2
S-1 28-07-08	0.06	16.6	0.32	0.95	10.6	4.3	9.0	0.14	22.4	<2
S-3 27-07-08	<0.02	3.8	0.15	3.57	3.7	2.4	0.5	0.05	9.0	2
S-8 27-07-08	<0.02	6.2	0.26	99.9	5.1	5.0	0.6	0.06	11.3	<2
S-2 25-07-08	<0.02	2.2	0.05	2.01	0.9	2.1	41.1	0.09	1.6	<2
S-1 25-07-08	<0.02	1.6	0.14	5.14	2.1	3.5	0.7	<0.05	5.5	<2
S-3 25-07-08	0.04	8.6	0.10	32.4	2.1	4.0	3.6	0.11	3.9	2
S-4 27-07-08	<0.02	2.3	0.14	38.9	2.4	4.9	0.5	0.06	6.1	2
S-9 27-07-08	<0.02	1.1	0.11	57.9	1.6	5.2	0.6	0.06	4.2	5
S-2 27-07-08	0.04	34.5	0.27	3.88	7.9	4.0	21.3	0.07	10.3	<2

Element	In	La	Lu	Mo	Nb	Pb	Rb	Sb	Sc	Se
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.02	0.1	0.01	0.05	0.1	0.5	0.2	0.05	0.1	2
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-4 25-07-08	0.07	2.7	1.11	0.31	29.0	573	8.8	0.05	18.0	<2
S-6 27-07-08	0.07	2.1	1.34	0.22	59.9	619	7.5	0.08	17.9	<2

Element	Sn	Ta	Tb	Te	Th	Tl	U	W	Y	Yb
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.3	0.05	0.05	0.05	0.2	0.02	0.1	0.1	0.1	0.1
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-5 27-07-08	0.8	0.30	0.32	0.26	1.3	<0.02	1.8	4.1	10.4	1.2
S-1 28-07-08	1.4	0.80	0.81	<0.05	3.8	0.04	1.1	0.9	22.0	2.1
S-3 27-07-08	0.7	0.25	0.22	0.07	1.9	<0.02	1.9	1.8	7.3	0.9
S-8 27-07-08	1.0	0.35	0.36	0.45	3.8	<0.02	2.1	0.8	12.1	1.5
S-2 25-07-08	0.3	<0.05	0.06	<0.05	0.8	0.14	0.4	0.8	2.1	0.2
S-1 25-07-08	0.5	0.12	0.13	0.26	0.8	<0.02	1.7	0.8	5.6	0.8
S-3 25-07-08	0.6	0.12	0.17	0.53	3.2	<0.02	2.4	1.5	5.3	0.6
S-4 27-07-08	0.5	0.11	0.15	0.35	1.2	<0.02	4.6	0.5	5.3	0.8
S-9 27-07-08	0.5	0.09	0.06	0.77	1.2	<0.02	3.2	1.1	2.8	0.6
S-2 27-07-08	1.0	0.48	0.73	<0.05	8.8	0.12	1.3	1.0	16.2	1.7

Element	Sn	Ta	Tb	Te	Th	Tl	U	W	Y	Yb
Method	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B	@ICM40B
Det.Lim.	0.3	0.05	0.05	0.05	0.2	0.02	0.1	0.1	0.1	0.1
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
S-4 25-07-08	3.9	2.00	0.81	0.08	5230	0.04	1550	2.0	40.8	6.5
S-6 27-07-08	5.3	4.07	0.96	0.07	6320	0.04	1760	3.4	46.7	7.8

Element	Au	Pt
Method	@FAI313	@FAI313
Det.Lim.	1	10
Units	PPB	PPB
S-5 27-07-08	2	<10
S-1 28-07-08	2	<10
S-3 27-07-08	<1	<10
S-8 27-07-08	2	<10
S-2 25-07-08	2	<10
S-1 25-07-08	8	<10
S-3 25-07-08	<1	<10
S-4 27-07-08	<1	<10
S-9 27-07-08	24	<10
S-2 27-07-08	<1	<10

Element	Au	Pt
Method	@FAI313	@FAI313
Det.Lim.	1	10
Units	PPB	PPB
S-4 25-07-08	<1	<10
S-6 27-07-08	3	<10