

ASSESSMENT REPORT

BASED ON THE

2014 GEOLOGICAL MAPPING/PROSPECTING PROGRAM

Rand Property
Foy and Bowell Townships

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November 25th, 2014

SUMMARY

This report describes the work completed for the geological mapping and prospecting program carried out between July 10th and August 28th, 2014, concentrated in the Foy and Howell Townships.

The geological mapping and prospecting was performed on the Rand claim group held by FNX Mining Inc., a wholly owned subsidiary of KGHM International.

The total expenditures for the work reported herein were \$26,300.00.

Table of Contents

Summary	2
List of Figures	4
List of Tables	4
INTRODUCTION	5
CLAIM STATUS.....	5
PROPERTY LOCATION AND ACCESS	5
REGIONAL GEOLOGY	7
PROPERTY GEOLOGY	7
EXPLORATION HISTORY	8
2014 GEOLOGICAL MAPPING/PROSPECTING PROGRAM	11
Introduction	11
Methodology.....	11
Personnel	12
RESULTS	13
RECOMMENDED FUTURE WORK	16
EXPENDITURES.....	17
REFERENCES	18
Statement of Qualification	19
APPENDIX A: RAND CLAIM GROUP	20
APPENDIX B: 2014 MAPPING RESULTS.....	21
APPENDIX C: ASSAY RESULTS AND CERTIFICATES	35

LIST OF FIGURES

Figure 1: Access to Rand claims group from the city of Sudbury.....	6
Figure 2: Locations of humus sample anomalies on the Rand property from 1991 Falconbridge Ltd. survey.	9
Figure 3: Diamond drillhole locations from historical drill programs completed by Aurora Platinum Corporation, Wallbridge Mining and Can Nickel Co Ltd.....	11
Figure 4: 2014 outcrop stations and mapping coverage on the Rand property.	13
Figure 5: Locations of grab samples taken during the 2014 mapping/prospecting program on the Rand property.....	14
Figure 6: Surface geology map of the Rand property.....	15

LIST OF TABLES

Table 1: Rand claims worked on in 2014	5
Table 2: FNX Mining Inc. personnel involved in the 2014 mapping/prospecting program.....	12
Table 3: Expenditures for the Rand 2014 mapping/prospecting program.....	17

INTRODUCTION

The Rand property consists of 609 hectares of contiguous claim blocks, comprising 8 individual claims (39 claim units). The claims were originally recorded by Aurora Platinum Corporation between September 2000 and August 2001, which was acquired by FNX Mining Company Inc. of Sudbury, Ontario in July 2005. The claims are currently held by FNX Mining Inc., a wholly owned subsidiary of KGHM International.

CLAIM STATUS

Work reported herein was conducted on each of the Rand leased claims (Table 1), wholly owned by KGHM International.

Table 1: Rand claims worked on in 2014

Township	Claim Number	Claim Due Date	Total Claim Units	Work Required
Foy	1192778	2015-Aug-03	1	\$400
Foy	1242372	2015-Jun-22	6	\$2,400
Foy	1247362	2015-Sep-11	1	\$400
Foy	1247363	2015-Sep-11	4	\$1,600
Foy	1247364	2015-Sep-11	1	\$400
Bowell	1192779	2015-Aug-07	15	\$6,000
Bowell	1192780	2015-Aug-07	7	\$2,800
Bowell	1192781	2015-Aug-07	4	\$1,600

PROPERTY LOCATION AND ACCESS

The Rand property is located in the Sudbury mining district, approximately 40 km north of the city. It straddles the boundary between the Foy and Bowell townships and is roughly centered at UTM 486250E and 5175750N. The property is accessible by seasonal logging roads and all-terrain vehicle (ATV) trails. To access the property from the city of Sudbury: travel north on Highway 69 (Regional Road 80) through the towns of Val Caron and Val Therese, turn left onto Desmarais Road (Regional Road 96) for 5km, then turn left onto Nelson Lake Road. Continue on this road for approximately 16km to the southern edge of the property boundary.

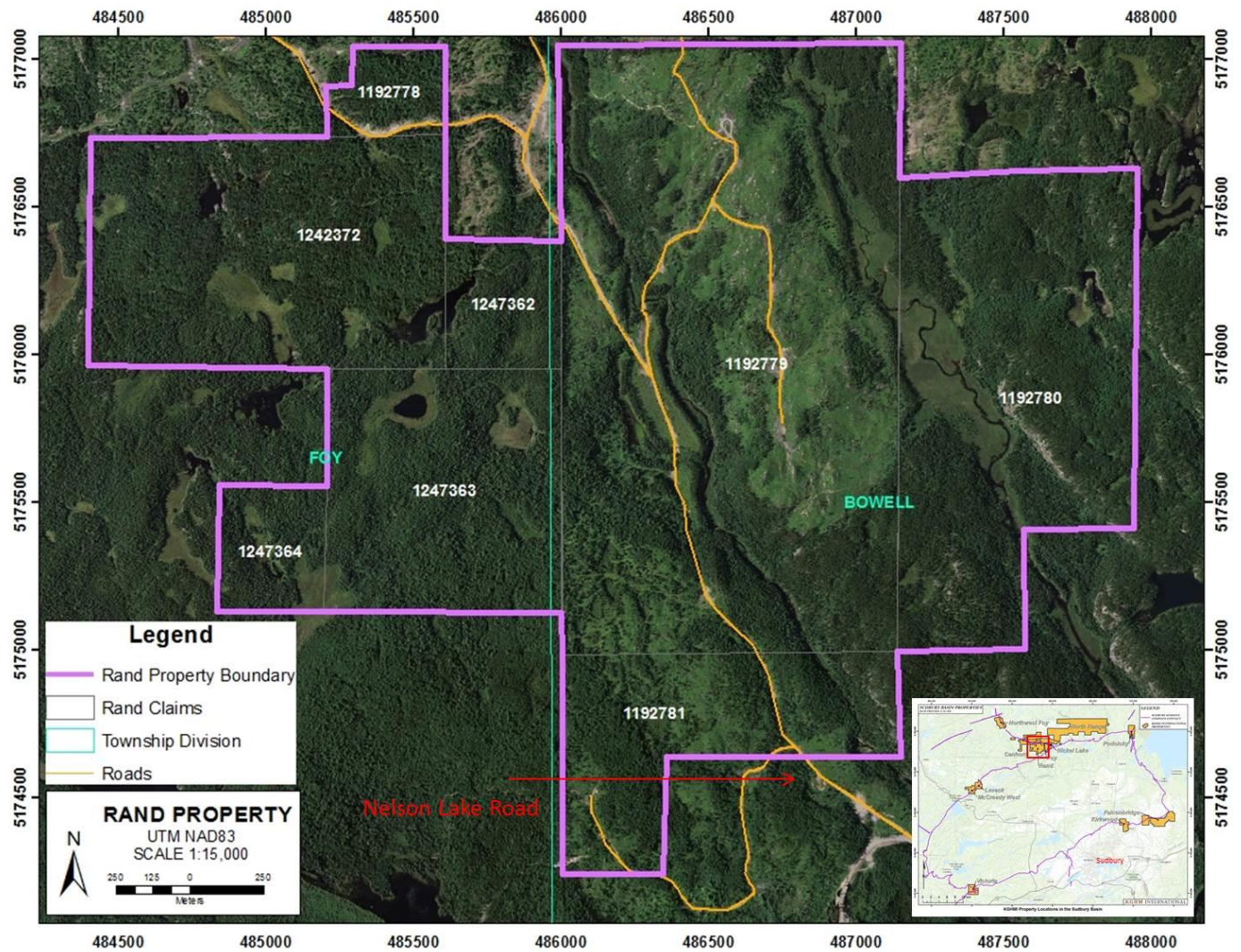


Figure 1: Access to Rand claims group from the city of Sudbury.

REGIONAL GEOLOGY

The Sudbury Basin, widely accepted to be the result of a meteorite impact 1.85 billion years ago, is an elliptical geologic structure approximately 27 km wide by 60 km long located just north of the city of Sudbury. The resultant crater was infilled with magma containing nickel-copper-platinum-palladium-gold as well as other by-product metals. The ore material settled out of the magma and collected in topographic lows or traps along the lower contact of the Sudbury Igneous Complex (SIC), or within offset dykes which radiate outwards from the Sudbury Basin into the country rock. Some ore metals were later re-mobilized and deposited into the pseudotachylite commonly referred to as Sudbury Breccia, which occurs in the footwall to the SIC.

Mineralization associated with the SIC occurs at or near the contact of the SIC with the surrounding country rock or within offset dykes in four different settings. Contact deposits are nickel-rich and located in traps and/or embayments at the base of the SIC. The copper-nickel-platinum-palladium – rich footwall deposits occur in the Sudbury breccia below, and often in the shadow of contact deposits. Nickel-copper-platinum-palladium – rich sulfides associated with quartz diorite offset dykes that radiate outward from the edges of the Sudbury Basin are often concentrated in areas of constriction. Post-magmatic deformation of the southern margins of the SIC has resulted in re-concentration of metals in structurally controlled settings.

The SIC consists of four main units, which are, from bottom to top: the contact sublayer (a discontinuous mineralized, xenolith-bearing norite), norite, quartz gabbro, and granophyre. The contact sublayer at the base of the SIC occupies kilometre-scale radial depressions, referred to as embayment structures. Ni-Cu deposits are localized within these structures in smaller sub-horizontal structures called terraces. Other important local rock units include: footwall breccia (also known as anatexite or as (late) granite breccia), a xenolith-bearing metamorphic to igneous-textured breccia which underlies the contact sublayer discontinuously, predominantly along the North and East ranges and commonly contains Ni-Cu sulfide mineralization; and Sudbury Breccia, which can occur in immediate contact with the SIC up to several tens of kilometres from the SIC and is of significance as a host for Cu-Ni-PGE mineralization proximal to the SIC contact and lower sulfide Cu-PGE mineralization further away from the SIC contact.

PROPERTY GEOLOGY

The footwall rocks north of the SIC on the Rand property consist of Archean granitoids of the Cartier Batholith (Meldrum et al., 1997), migmatites and hybrid gneisses, Matachewan and Nipissing mafic dykes, and Sudbury Breccia. The northern edge of the property boundary is located ~300m south of the Foy Offset quartz diorite dyke along the majority of its length, and passes through the dyke in one location on the western side. The proximity of the property to the Foy Offset and the Main Mass of the SIC coupled with the presence of an extensive Sudbury breccia belt and prominent regional fault suggests this ground is prospective for Ni-Cu-PGM sulfides.

The granitoids and hybrid gneisses are primarily granodioritic in composition but range between quartz monzonitic and tonalitic material. They are medium- to coarse-grained, are usually moderately to strongly foliated or migmatitic but may also be massive, and are usually potassium

feldspar-altered. Occasional pervasive epidote alteration or veining is present. Inclusions in the granitoids are commonly boudinaged or pulled apart intermediate to mafic gneiss or gabbro. Inclusions range from less than ten to hundreds of meters in size.

Remnant metavolcanics and metasediments are also present, resulting in a variety of hybrid gneisses. The gneisses and granitoids are locally intruded by granite pegmatite dykes/pods.

A swarm of NW to N with subordinate NE-trending diabase dykes belonging to the Matachewan and Nipissing dyke swarms (Card and Meyn, 1969) cross-cuts the granitoids and gneisses. The dykes are generally dark greenish-black, fine- to medium-grained, equigranular and weakly to strongly magnetic. The dykes occasionally contain trace to minor pyrite.

The majority of the Sudbury Breccia observed in outcrop is present as clast-poor veins, ranging from 1 centimetre to 5 feet wide. The matrix is generally black and aphanitic, usually between 70-85%, with 15-30% local granitoid clasts with sharp contacts. The matrix and clasts are occasionally epidote-altered, with rare instances of chlorite veining. Occasionally trace sulfide mineralization was observed in grab samples, usually pyrite and/or pyrrhotite with possible instances of chalcopyrite.

EXPLORATION HISTORY

A variety of exploration programs have been conducted on the Rand claims, including: at least four geophysical surveys, including an AeroTEM survey in 2000 and a MegaTEM survey in 2001; two mapping/prospecting programs, one of which used Beep-Mat technology, between 2000 and 2001; one surface geochemical survey (humus sampling) in 1991; and several small-scale diamond drilling programs. The drilling programs consisted of: a 462m hole (#855550) drilled by Inco Exploration and Technical Services in December 1990 designed to test a weak-moderate IP response with corresponding mild magnetic high and moderate VLF conductor lying along the Foy Offset, resulting in no significant sulfide mineralization or explanation for the anomalies; a 62m vertical hole (WMF-01) drilled by Wallbridge in 1999 designed to test a flat-lying, ~80m x 120m AEM anomaly lying ~40m below surface – which intersected approximately 4.65m of 10-15% sulfides (pyrrhotite with subordinate pyrite) hosted in gneissic quartz monzonite at a depth of 32.85m; and three drillholes with depths ranging between 103m – 626m drilled by Aurora Platinum Corporation in 2003-2004, designed to test a UTEM conductor and serve as BHEM platforms – no significant assay results were returned.

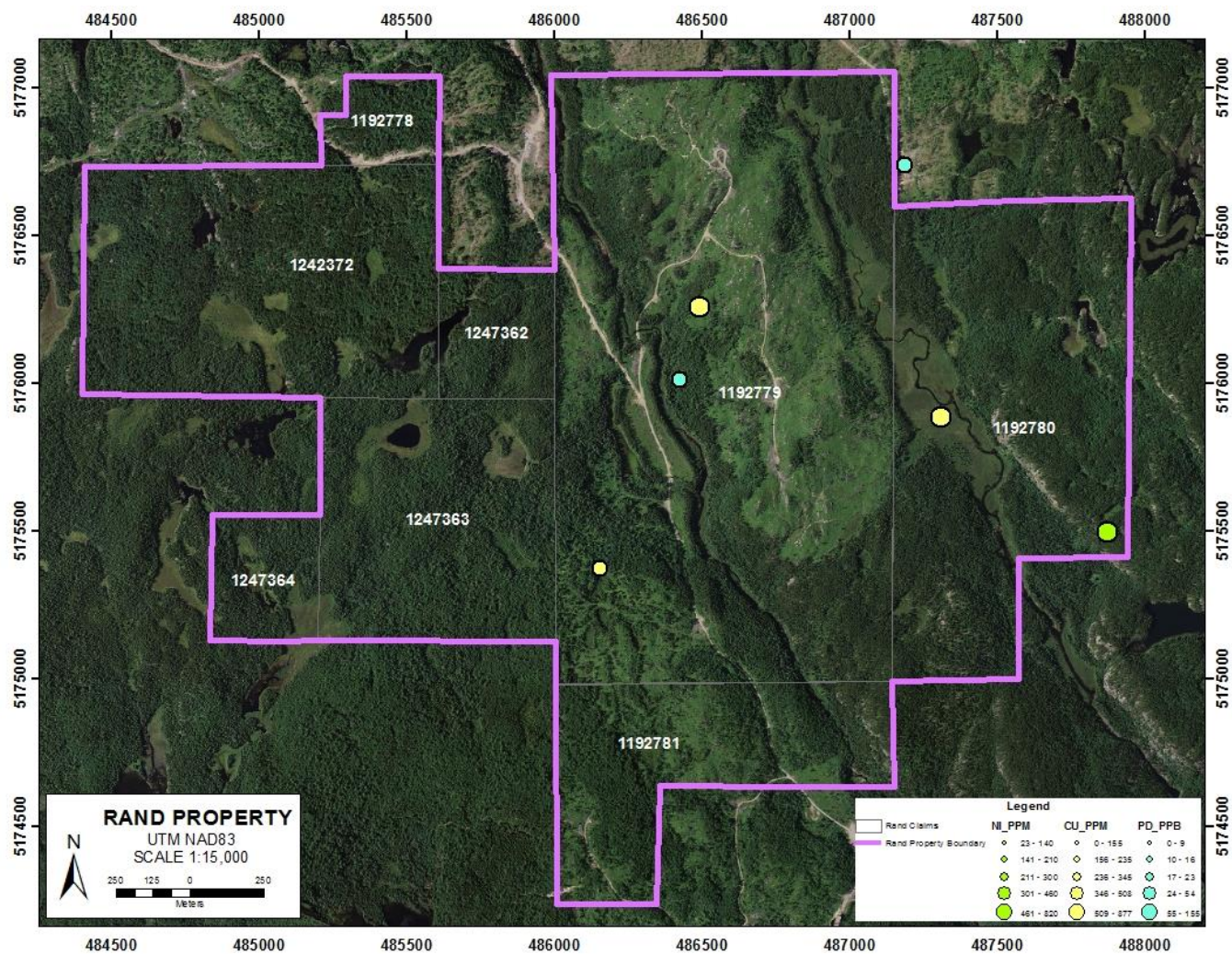


Figure 2: Locations of humus sample anomalies on the Rand property from 1991 Falconbridge Ltd. survey.

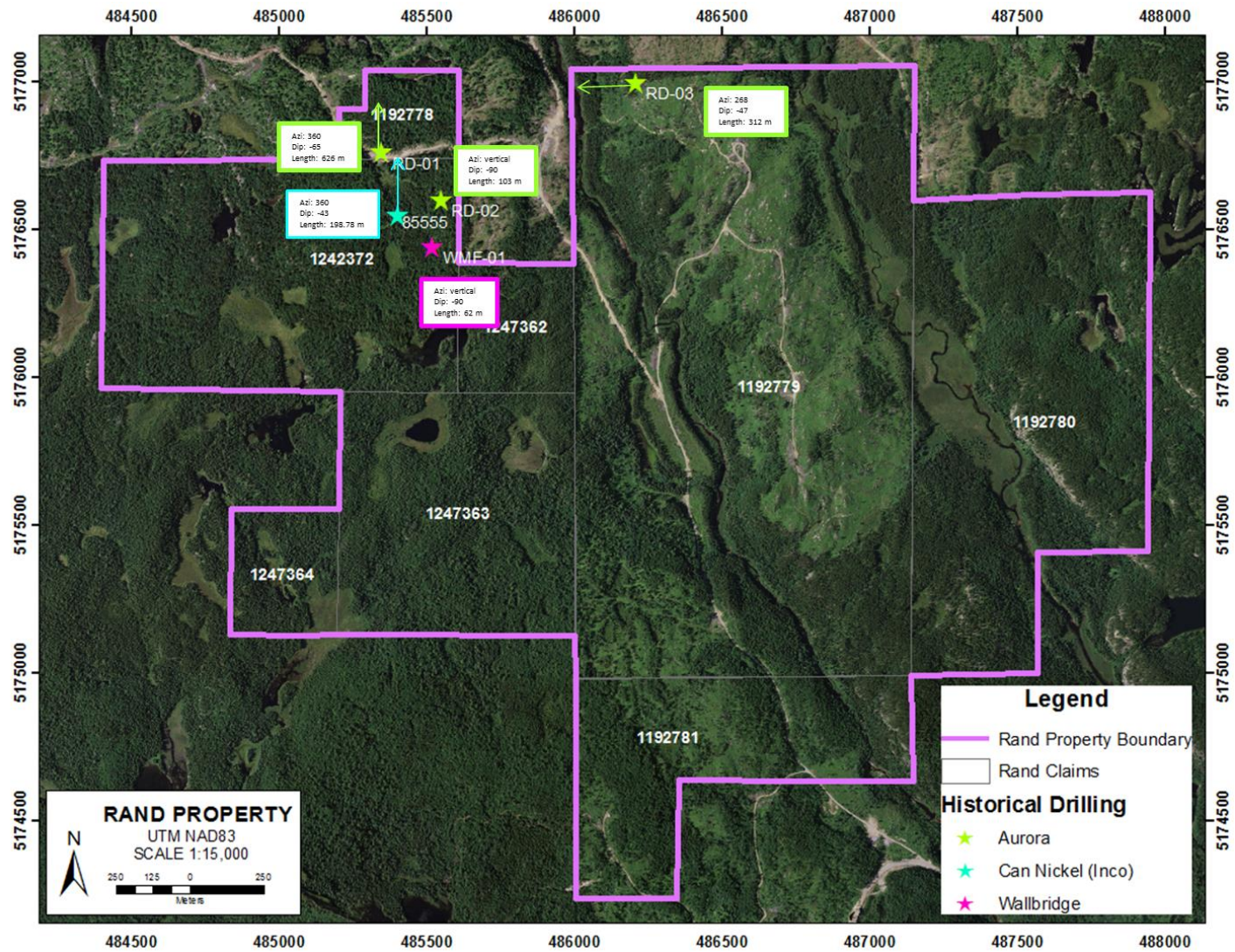


Figure 3: Diamond drillhole locations from historical drill programs completed by Aurora Platinum Corporation, Wallbridge Mining and Can Nickel Co Ltd.

2014 GEOLOGICAL MAPPING/PROSPECTING PROGRAM

Introduction

Between July and September 2014, a mapping/prospecting program was undertaken on the Rand property. Each of the eight claims were visited, mapped, and sampled during the 2014 work program (Table 1). The aim of this program was to identify features that may indicate whether the ground is prospective for Ni-Cu-PGE sulfides and to attempt to ground-truth several geophysical and humus sample anomalies.

Methodology

The surface mapping/prospecting program on the Rand property took place between July 10th, 2014 and August 28th, 2014, with 20 days spent in the field. Each day, two geologists were tasked with mapping outcrops, taking geological structure measurements, and sampling where appropriate. One truck was used for transportation to the Rand property. Two all-terrain vehicles were transported to and parked on the property for the duration of the work program to assist with access to areas not approachable by truck.

The Rand claims were sectioned into manageable blocks for outcrop mapping, 300m wide by 400m long, and mapped at a 1:2,000 scale. There was no specific grid pattern set up to follow during traverses; mapping was focused on areas that had not been covered in past years, with special attention paid to areas with geophysical or humus sample anomalies. A photo was taken at the vast majority of stations (a fresh and weathered face of the outcrop wherever possible) and catalogued according to outcrop/sample number (e.g. RD14-xxx).

The procedure for sample collection involved collecting a freshly broken piece of outcrop, bagging the sample and cataloguing it. All samples were completely described at the end of the field season and select representative samples were sent for assay. Samples were taken at every occurrence of Sudbury breccia, sulfide mineralization, extreme epidote alteration, and in areas with intense surface oxidation.

Structural measurements were taken with Suunto MC-2 compasses and outcrop station locations were recorded using a handheld Garmin GPS.

The paper map generated from the 2014 mapping/prospecting program was digitized by CAD technicians to produce a 1:2,000 scale outcrop map of the Rand property.

Personnel

The names, positions and roles of the FNX Mining Inc. personnel involved in the 2014 mapping/prospecting program are outlined in Table 2.

Table 2: FNX Mining Inc. personnel involved in the 2014 mapping/prospecting program

Name of Employee	Position	Role
Steven Gregory	Senior Project Geologist	Project Direction/Supervision
Leigh Allen	Exploration Geologist	Mapping/Data Collection/Project Planning
Bartek Koclega	Geology Intern	Field Assistant
Gerry Shields	Senior Technician	Vehicle Maintenance/Field Assistant
Nicholas Moylan	CAD Technician	Digitizing

RESULTS

The end of the 2014 mapping/prospecting program yielded 204 outcrop stations, spread out across the eight claims (Figure 2), in areas where previous mapping had not reached. A complete list of mapped outcrops can be found in Appendix B. A total of 22 representative samples were taken (Figure 5). 32 outcrops contained at least 1 % Sudbury Breccia, 17 of which contained greater than 10% (represented as blue dots in Figure 4) however only five of those displayed visible mineralization (ranging between trace disseminated pyrite/pyrrhotite to 0.5% disseminated pyrite, with one instance of possible trace chalcopyrite). Other occurrences of mineralization include 14 granitoid samples with up to 5% pyrite, and one quartz diorite sample with ~0.5% Py and Po. The gabbroic/mafic dyke bodies on the property often contained trace to 0.5% disseminated pyrite (two representative samples of this lithology were included in the assay lot).

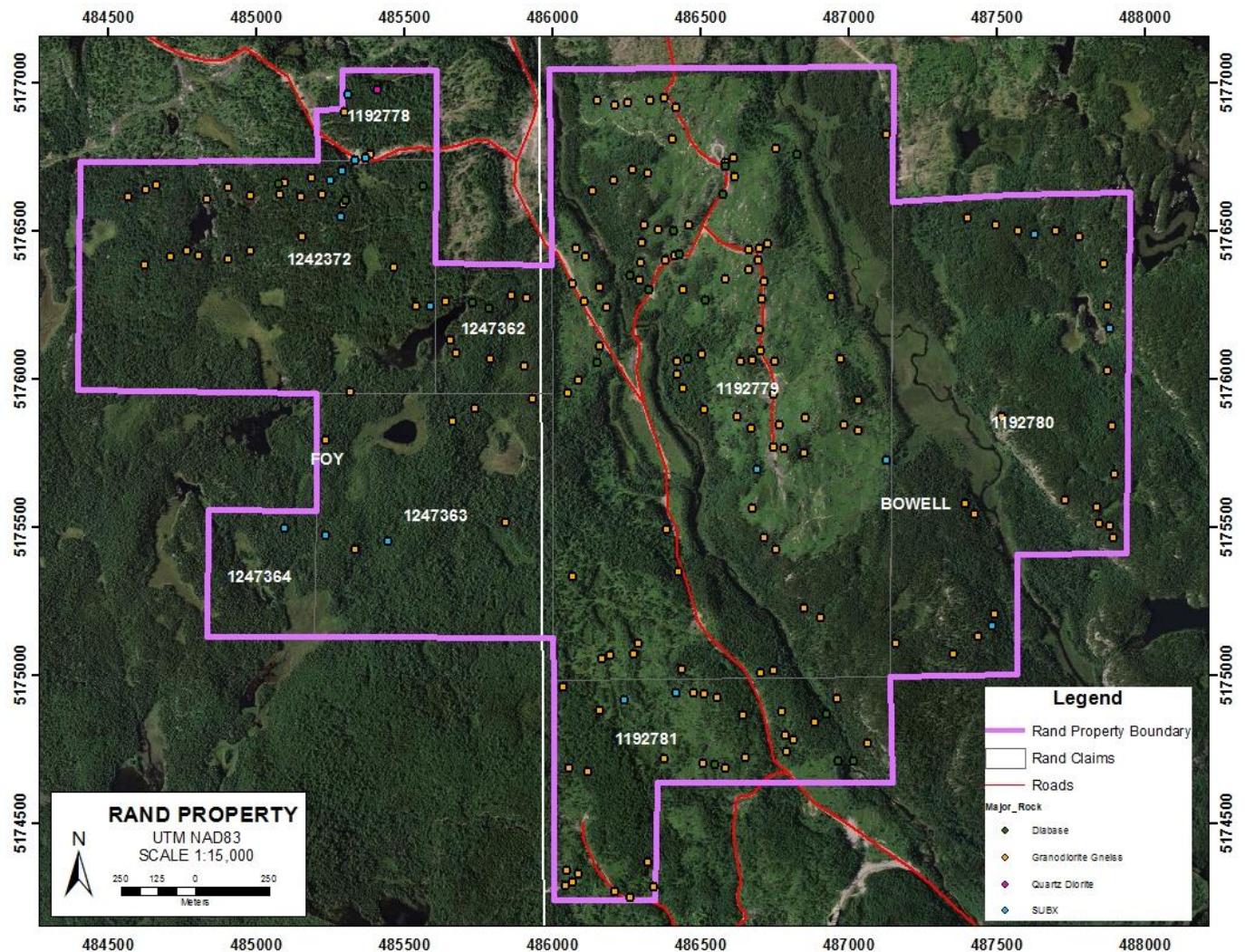


Figure 4: 2014 outcrop stations and mapping coverage on the Rand property.

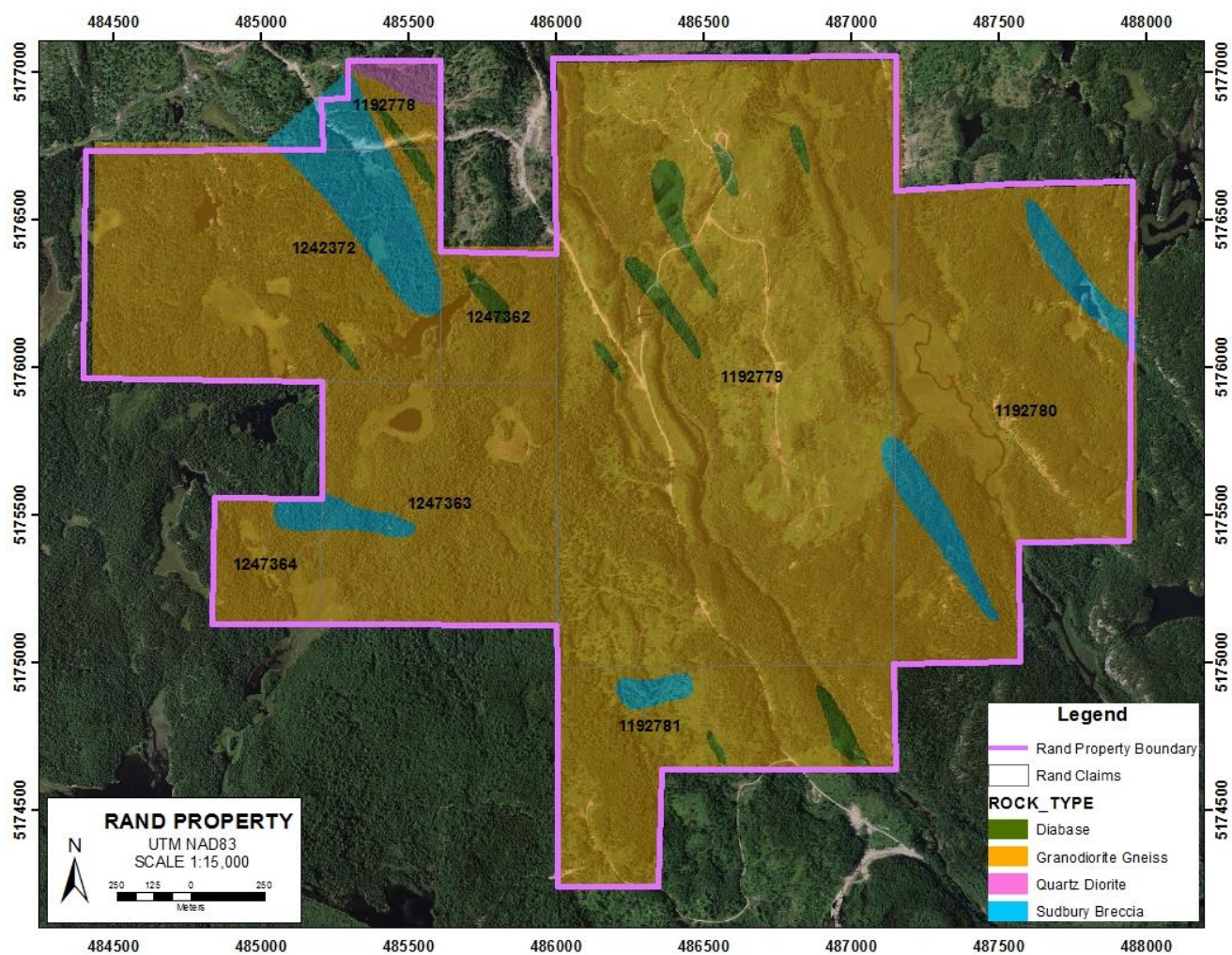


Figure 6: Surface geology map of the Rand property.

RECOMMENDED FUTURE WORK

No anomalous assay values were returned from the 22 samples taken during the 2014 mapping/prospecting program. Although the locations of each of the humus sample anomalies were visited (including one palladium, one nickel, and three copper anomalies) and samples taken at each location, the source of these anomalies was not visible on surface. Samples taken at the location of the MegaTEM anomaly similarly resulted in no anomalous assay values. However, the Rand property remains prospective as a possible host of Ni-Cu-PGM sulfides due to its proximity to the SIC and the Foy Offset dyke, as well as the prominent Sudbury breccia belt extending through a large portion of the property. Recommended future work includes methods to test the ground beyond surface prospecting, such as a soil gas hydrocarbon survey.

EXPENDITURES

Table 3: Expenditures for the Rand 2014 mapping/prospecting program

Rand 2014 Mapping/Prospecting Program Expenditures		
Salaries (KGHM-I Personnel)		
Senior Project Geologist (Project Supervision): 1 day @ \$450 / day	\$	450.00
Geologist (Cost Allocation, Reporting): 40 days @ \$300 / day	\$	12,000.00
Geologist (Cost Allocation, Reporting): 20 days @ \$300 / day	\$	6,000.00
AutoCAD Technicians (Data Processing): 1.5 days @ \$300 / day	\$	450.00
Technicians (Logistics): 4 days @ \$200 / day	\$	800.00
Subtotal	\$	19,700 .00
Transportation Costs		
Truck Rental (20 days @ \$45/day)	\$	900 .00
ATV Rental x2 (20 days @ \$100/day)	\$	4,000.00
Mileage Costs for Truck (Avg. 100 km/day @ \$0.50/km)	\$	1,000.00
Subtotal	\$	5,900 .00
Sample Assays		
Samples N986501 – NN986514 (14 total @ \$50/sample)	\$	700.00
Subtotal	\$	700.00
PROGRAM TOTAL		26,300.00\$

REFERENCES

Card, K.D., and Meyn, H.D., 1969. Geology of the Leinster-Bowell Area, Ontario Department of Mines Geological Report 65.

Dressler, B.O., 1984b. General Geology of the Sudbury Area *in* The Geology and Ore Deposits of the Sudbury Structure *edited by* Pye, E.G., Naldrett, A.J., and Giblin, P.E. Ontario Geological Survey, Special Volume 1, p. 57-82.

Meldrum, A., Abdel-Rahman, A –F M., Martin, R.F., and Wodicka, N., 1997. The Nature, Age and Petrogenesis of the Cartier Batholith, Northern Flank of the Sudbury Structure, Ontario, Canada. *Precambrian Research* 82: 265-285.

STATEMENT OF QUALIFICATION

I, Leigh K. Allen of the City of Greater Sudbury, Province of Ontario, do hereby certify that:

I am a geologist residing at 402 Albinson Street, Sudbury, Ontario, P3C 3W7;

I graduated from the University of Ottawa, Ottawa, Ontario (Bachelor of Science – Honours) in 2011.

I have been practicing in my profession as a geologist continuously since July 2011;

I am the author of the report entitled “2014 Geological Mapping/Prospecting Program on the Rand Property”, based on work completed by KGHM International between July 10th, 2014 and August 28th, 2014.

I have no personal interest in the property covered by this report.

Dated in Sudbury, Ontario, this 25th day of November, 2014.



Leigh Allen, B.Sc., G.I.T

APPENDIX A: RAND CLAIM GROUP

Township/Area	Claim Number	Claim Due Date	Total Claim Units	Work Required
BOWELL	1192779	2015-Aug-07	15	\$6,000
BOWELL	1192780	2015-Aug-07	7	\$2,800
BOWELL	1192781	2015-Aug-07	4	\$1,600
FOY	1192778	2015-Aug-03	1	\$400
FOY	1242372	2015-Jun-22	6	\$2,400
FOY	1247362	2015-Sep-11	1	\$400
FOY	1247363	2015-Sep-11	4	\$1,600
FOY	1247364	2015-Sep-11	1	\$400

APPENDIX B: 2014 MAPPING RESULTS

Table 4: 2014 Mapping/Prospecting Program Outcrop Stations

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-001	486274	-	-	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-002	486326	5174370	403	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-003	486346	5174286	410	Granite	Medium	-	None visible	-	LA, BK
RD14-004	486263	5174250	422	Granite	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-005	486212	5174271	420	Granite	Medium	-	None visible	Kspar alteration	LA, BK
RD14-006	486092	5174329	429	Granite	Medium-Coarse	QV (5%)	None visible	-	LA, BK
RD14-007	486069	5174301	429	Granite	Medium	-	Trace Po	-	LA, BK
RD14-008	486045	5174291	428	Granodiorite Gneiss	Medium	SUBX	None visible	Kspar, minor epidote alteration	LA, BK
RD14-009	486051	5174341	434	Granite	Coarse	-	None visible	Kspar alteration	LA, BK
RD14-010	485291	5176705	409	Granodiorite Gneiss	Coarse	SUBX	None visible	Kspar alteration (GDGN)	LA, BK
RD14-011	485254	5176671	414	Granite	Medium-Coarse	SUBX	None visible	Kspar, minor epidote alteration	LA, BK
RD14-012	485189	5176679	422	Granite	Medium-Coarse	SUBX	None visible	-	LA, BK
RD14-013	485098	5176665	421	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar, very minor hematite alteration	LA, BK
RD14-014	485080	5176658	414	Diabase	Medium-Coarse	-	Trace Po, possible Cp?	-	LA, BK
RD14-015	485082	5176625	419	Granite	Medium	-	None visible	Kspar alteration	LA, BK
RD14-016	485153	5176615	416	Granite	Medium	MFGN (?), SUBX	None visible	-	LA, BK
RD14-017	485225	5176624	417	Granite	Coarse	-	None visible	Kspar alteration	LA, BK
RD14-018	485338	5176739	403	SUBX	-	GDGN	Possible trace? Rusty patches	Surface oxidation on SUBX	LA, BK
RD14-019	486966	5174710	346	Diabase	Coarse	-	None visible	Surface oxidation and Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-020	487020	5174712	342	Diabase	Coarse	-	None visible	Surface oxidation and Kspar alteration	LA, BK
RD14-021	487065	5174772	367	Granite	Coarse	-	None visible	Strong Kspar, minor epidote alteration	LA, BK
RD14-022	486963	5174923	353	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-023	486927	5174871	344	Diabase	Medium	-	None visible	Some epidote veinlets	LA, BK
RD14-024	486887	5174841	362	Granite	Very coarse, almost pegmatitic	-	None visible	Kspar alteration	LA, BK
RD14-025	486815	5174783	363	Granodiorite Gneiss	Medium	-	None visible	Surface oxidation	LA, BK
RD14-026	486704	5175010	366	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-027	486750	5175016	363	Granite	Medium-Coarse	-	None visible	-	LA, BK
RD14-028	486777	5174877	371	Granite	Medium	Gabro	None visible	-	LA, BK
RD14-029	486790	5174799	366	Granite?		-	Trace Po?	-	LA, BK
RD14-030	486791	5174742	355	Granite	Coarse	-	Trace Po	Kspar alteration	LA, BK
RD14-031	486559	5174927	401	Granite	Medium	-	None visible	Strong Kspar, minor epidote alteration	LA, BK
RD14-032	486515	5174938	408	Granite Gneiss	Medium	QV (5%)	None visible	Kspar alteration	LA, BK
RD14-033	486479	5174943	411	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-034	486421	5174940	400	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar (GRGN), minor epidote alteration (SUBX)	LA, BK
RD14-035	486245	5174919	408	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar (GRGN), minor epidote alteration (SUBX)	LA, BK
RD14-036	486161	5174882	406	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-037	486039	5174959	417	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-038	486058	5174686	427	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-039	486122	5174674	423	Granite	Very coarse	-	None visible	Kspar alteration	LA, BK
RD14-040	486381	5174717	399	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-041	486512	5174701	402	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-042	486549	5174699	395	Mafic Gneiss?	Medium	-	None visible	Kspar alteration (in felsic bands?)	LA, BK
RD14-043	486587	5174689	395	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-044	486654	5174722	385	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-045	486648	5174866	383	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar alteration	LA, BK
RD14-046	485301	5176901	429	Granite	Medium-Coarse	SUBX ?	None visible	Surface oxidation, Kspar alteration	LA, BK
RD14-047	485312	5176961	329	Granite Gneiss	Medium-Coarse	SUBX	None visible but surface oxidation to red/purple	Surface oxidation, Kspar alteration	LA, BK
RD14-048	485411	5176978	422	Quartz Diorite ?	Fine	-	0.5% blebby Po	-	LA, BK
RD14-049	485565	5176651	416	Diabase	Medium	-	None visible	Carbonate veinlets?	LA, BK
RD14-050	485387	5176759	412	Granodiorite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-051	485373	5176748	410	SUBX	-	-	None visible but surface oxidation to red/purple	Surface oxidation, Kspar alteration	LA, BK
RD14-052	485287	5176550	390	Granite Gneiss	Medium-Coarse	SUBX	Trace - 0.5% Po, possible Cp	Epidote, surface alteration	LA, BK
RD14-053	484982	5176621	401	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-054	484907	5176646	400	Granite Gneiss	Very Coarse	-	None visible	Kspar alteration	LA, BK
RD14-055	484836	5176610	400	Granodiorite Gneiss	Medium	-	None visible	-	LA, BK
RD14-056	484666	5176656	413	Granite	Coarse	-	None visible	Kspar alteration	LA, BK
RD14-057	484629	5176639	403	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar alteration	LA, BK
RD14-058	484571	5176617	406	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-059	484624	5176385	414	Granite	Coarse	-	None visible	Kspar alteration	LA, BK
RD14-060	484714	5176415	407	Granite Gneiss	Medium	QV (5%)	None visible	Kspar alteration	LA, BK
RD14-061	484768	5176435	404	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-062	484810	5176419	407	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-063	484908	5176406	410	Granite Gneiss	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-064	484984	5176435	409	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-065	485157	5176481	410	Granite Gneiss	Medium-Coarse	QV (5%)	None visible	Kspar alteration	LA, BK
RD14-066	485297	5176591	401	Granite Gneiss	Medium	SUBX	None visible	-	LA, BK
RD14-067	485305	5176605	398	Diabase	Medium	SUBX	None visible	Minor surface oxidation	LA, BK
RD14-068	486427	5175350	380	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar alteration (intense)	LA, BK
RD14-069	486070	5175333	414	Granite Gneiss	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-070	486170	5175056	409	Granodiorite Gneiss	Medium-Coarse	-	None visible	Patchy Kspar alteration	LA, BK
RD14-071	486199	5175069	406	Granite	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-072	486277	5175074	404	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-073	486292	5175107	406	Granodiorite Gneiss	Medium	-	None visible	Weak Kspar alteration	LA, BK
RD14-074	486441	5175019	394	Granite Gneiss	Medium-Coarse	SUBX	None visible	-	LA, BK
RD14-075	486387	5175493	370	Granite	Medium-Coarse	SUBX	None visible	Kspar alteration	LA, BK
RD14-076	485843	5175516	395	Granite	Medium-Coarse	SUBX ?	None visible	Kspar alteration	LA, BK
RD14-077	485447	5175454	394	Granodiorite Gneiss	Coarse-Very coarse	SUBX	Trace Po?	Kspar, epidote alteration, surface oxidation	LA, BK
RD14-078	485336	5175427	394	Granodiorite Gneiss	Medium-Coarse	-	None visible	Patchy Kspar alteration	LA, BK
RD14-079	485238	5175472	393	SUBX	-	GRGN, MTGB	None visible	-	LA, BK
RD14-080	485097	5175498	388	Granite Gneiss	Medium-Coarse	SUBX	None visible	-	LA, BK
RD14-081	485235	5175794	402	Granite Gneiss	Medium-Coarse	SUBX	None visible	-	LA, BK
RD14-082	485320	5175959	391	Granite Gneiss	Medium-Coarse	-	None visible	-	LA, BK
RD14-083	486163	5176112	360	Granite	Medium	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-084	485908	5176045	383	Granodiorite Gneiss	Very coarse	-	Trace Po?	Minor Kspar alteration	LA, BK
RD14-085	485793	5176070	389	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-086	485656	5176131	384	Granodiorite Gneiss	Medium-Coarse	-	Trace Po	Minor Kspar alteration	LA, BK
RD14-087	485678	5176090	389	Granite Gneiss		-	None visible	Minor Kspar alteration	LA, BK
RD14-088	485741	5175900	378	Granodiorite Gneiss	Medium	-	~1% Po+Py	-	LA, BK
RD14-089	485667	5175859	380	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-090	485934	5175932	400	Granodiorite Gneiss (?)	Medium-Coarse	-	~1% Po, trace Cp	-	LA, BK
RD14-091	486056	5175955	378	Granodiorite Gneiss	Medium	-	None visible	-	LA, BK
RD14-092	486090	5175996	371	Granite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-093	486155	5176058	367	Diabase	Fine	-	~0.5% Po	Surface oxidation	LA, BK
RD14-094	486071	5176323	364	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-095	485915	5176275	386	Granite	Coarse-Very coarse	-	None visible	Kspar alteration, patchy surface oxidation	LA, BK
RD14-096	485864	5176282	385	Granodiorite Gneiss	Medium-Coarse	-	Trace Po, Py; possible Cp	Minor Kspar alteration	LA, BK
RD14-097	485788	5176239	395	Diabase	Fine	GDGN	Trace Py	Minor purple-red surface oxidation	LA, BK
RD14-098	485734	5176257	390	Diabase	Fine	GDGN	Trace Po	Minor Kspar alteration (GDGN only)	LA, BK
RD14-099	485640	5176262	388	Granodiorite Gneiss	Medium-Coarse	SUBX	Trace Po	Minor Kspar alteration	LA, BK
RD14-100	485590	5176246	389	Granodiorite Gneiss	Coarse-Very coarse	SUBX	Trace Po, Py; possible Cp	Minor surface oxidation	LA, BK
RD14-101	485542	5176247	391	Granodiorite Gneiss	Medium-Coarse	-	Trace Po, Py; possible Cp	Major surface oxidation	LA, BK
RD14-102	485468	5176380	398	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-103	486187	5176242	355	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-104	486111	5176263	355	Granodiorite Gneiss	Coarse	-	None visible	-	LA, BK
RD14-105	486162	5176311	366	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-106	486113	5176414	367	Granite	Medium	-	None visible	-	LA, BK
RD14-107	486082	5176442	361	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-108	486327	5176301	351	Diabase	Fine-Medium	-	None visible	Patchy surface oxidation, chlorite alteration	LA, BK
RD14-109	486385	5176403	354	Granodiorite Gneiss	Medium-Very coarse	-	None visible	Kspar alteration (local)	LA, BK
RD14-110	486414	5176418	360	Granodiorite Gneiss	Very coarse	-	None visible	Kspar alteration (local)	LA, BK
RD14-111	486431	5176422	363	Diabase	Fine	GDGN	None visible	-	LA, BK
RD14-112	486577	5176623	393	Diabase	Fine-Medium	-	Trace Py	Carb & chlorite veinlets, surface oxidation	LA, BK
RD14-113	486748	5175772	400	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-114	486749	5175949	385	Granite	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-115	486752	5176059	397	Granodiorite Gneiss	Medium-Coarse	-	None visible	Patchy Kspar alteration	LA, BK
RD14-116	486705	5176095	391	Granodiorite Gneiss	Medium-Coarse	-	None visible	-	LA, BK
RD14-117	486703	5176168	391	Granodiorite Gneiss	Medium-Coarse	-	None visible	Patchy Kspar alteration	LA, BK
RD14-118	486708	5176269	392	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor patchy Kspar alteration	LA, BK
RD14-119	486716	5176332	396	Granodiorite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-120	486698	5176401	394	Granodiorite Gneiss	Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-121	486702	5176442	393	Granodiorite Gneiss	Medium	-	None visible	Kspar, very minor epidote alteration	LA, BK
RD14-122	486729	5176459	388	Granodiorite Gneiss	Medium	-	None visible	Kspar, very minor epidote alteration	LA, BK
RD14-123	486664	5176438	392	Granodiorite Gneiss	Medium	-	None visible	Kspar alteration, epidote (+chlorite?) veinlets	LA, BK
RD14-124	486617	5176682	386	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-125	486827	5176760	358	Diabase	Fine	-	Trace Po+Py	Carb alteration veinlets	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-126	487130	5176828	362	Granodiorite Gneiss	Medium	-	Trace Py, Po(?)	Kspar alteration, surface oxidation	LA, BK
RD14-127	486758	5176780	371	Granodiorite Gneiss (?)	Medium	-	Trace Py, Po(?)	Patchy Kspar alteration, surface oxidation	LA, BK
RD14-128	486614	5176749	393	Granite	Coarse-Very coarse	-	None visible	Heavy Kspar alteration	LA, BK
RD14-129	486588	5176730	399	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-130	486465	5176521	378	Granite	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-131	486410	5176503	374	Diabase	Fine-Medium	-	None visible	-	LA, BK
RD14-132	486361	5176506	383	Granite	Coarse	MTGB	0.5-1% Py (in MTGB)	Kspar alteration (granite); epidote + chlorite veinlets (MTGB)	LA, BK
RD14-133	486311	5176521	394	Granodiorite Gneiss	Medium-Coarse	MTGB?	None visible	Moderate Kspar alteration	LA, BK
RD14-134	486306	5176463	377	Granite	Medium-Coarse	MTGB	None visible	Kspar alteration (granite)	LA, BK
RD14-135	486301	5176392	369	Granodiorite Gneiss		MTGB?	None visible	Kspar alteration (granite); surface oxidation	LA, BK
RD14-136	486266	5176349	369	Diabase	Fine-Medium	GDGN (?)	None visible	-	LA, BK
RD14-137	486297	5176334	364	Granodiorite Gneiss	Medium-Coarse	-	None visible	Strong pervasive Kspar alteration	LA, BK
RD14-138	486444	5176303	377	Granite Gneiss	Medium-Coarse	-	None visible	Moderate-strong Kspar alteration	LA, BK
RD14-139	486520	5176267	401	Diabase	Fine-Medium	GDGN (?)	Trace 0.5% Py + Po (?)	Kspar alteration	LA, BK
RD14-140	486588	5176338	408	Granodiorite Gneiss	Medium-Coarse	-	~1% Py + Po (locally)	-	LA, BK
RD14-141	486664	5176369	402	Granite	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-142	486380	5176951	403	Granodiorite Gneiss	Medium-Coarse	-	None visible	Strong Kspar + epidote alteration; surface oxidation	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-143	486331	5176943	404	Granodiorite Gneiss	Medium-Coarse	-	None visible	Patchy surface oxidation, very minor epidote alteration	LA, BK
RD14-144	486258	5176935	388	Granodiorite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-145	486214	5176924	379	Granodiorite Gneiss	Medium-Coarse	-	~1% Py + Po	Kspar, epidote alteration, surface oxidation	LA, BK
RD14-146	486153	5176941	377	Granodiorite Gneiss	Medium-Coarse	-	None visible	-	LA, BK
RD14-147	486137	5176637	359	Granite	Medium	-	None visible	Strong Kspar alteration	LA, BK
RD14-148	486211	5176673	393	Granite	Medium-Coarse	-	None visible	-	LA, BK
RD14-149	486274	5176709	412	Granite Gneiss	Medium	QV (5%)	None visible	Kspar alteration	LA, BK
RD14-150	486323	5176696	409	Granodiorite Gneiss	Medium	-	None visible	Minor epidote & Kspar alteration	LA, BK
RD14-151	486407	5176812	392	Granite Gneiss	Medium-Coarse	-	None visible	Kspar, epidote alteration, surface oxidation	LA, BK
RD14-152	486677	5176066	389	Granodiorite Gneiss	Medium-Coarse	-	Trace Py + Po	Moderate Kspar alteration	LA, BK
RD14-153	486637	5176060	390	Granite Gneiss (?)	Medium-Coarse	QV (5%)	None visible	Kspar alteration	LA, BK
RD14-154	486509	5176083	384	Granodiorite Gneiss	Medium-Coarse	-	Trace Py	Very minor Kspar alteration	LA, BK
RD14-155	486460	5176067	385	Diabase	Fine-Medium	-	Trace Py	Very minor Kspar alteration	LA, BK
RD14-156	486425	5176060	378	Granodiorite Gneiss	Medium	-	None visible	-	LA, BK
RD14-157	486425	5176017	369	Granite Gneiss	Coarse	Mafic dyke	0.5% Py+Po in dyke	Kspar alteration (GRGN); very minor epidote alteration (dyke)	LA, BK
RD14-158	486445	5175969	369	Granite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-159	486514	5175898	373	Granite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-160	486627	5175874	393	Granite	Medium	-	None visible	Minor Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-161	486674	5175836	398	Granodiorite Gneiss	Medium	-	Trace Py	Very minor Kspar alteration	LA, BK
RD14-162	486770	5175846	406	Granite Gneiss	Medium-Coarse	SUBX	None visible	Kspar, very minor epidote alteration, patchy surface oxidation	LA, BK
RD14-163	486858	5175870	418	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-164	486986	5175848	396	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-165	487036	5175826	385	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar, minor epidote alteration	LA, BK
RD14-166	487034	5175930	382	Granodiorite Gneiss	Medium-Coarse	-	None visible	Minor Kspar alteration	LA, BK
RD14-167	486974	5176070	377	Granite Gneiss	Medium-Coarse	-	None visible	-	LA, BK
RD14-168	486945	5176280	366	Granodiorite Gneiss	Medium	-	None visible	Minor Kspar alteration	LA, BK
RD14-169	486786	5175767	407	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-170	486853	5175751	402	Granodiorite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar, minor epidote alteration	LA, BK
RD14-171	487129	5175728	363	Granodiorite Gneiss	Medium	SUBX	None visible	Minor surface oxidation	LA, BK
RD14-172	487395	5175581	379	Granodiorite Gneiss	Medium-Coarse	-	None visible	Moderate Kspar alteration	LA, BK
RD14-173	487427	5175543	364	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-174	487496	5175207	371	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-175	487488	5175169	378	Granodiorite Gneiss	Medium-Coarse	SUBX	None visible	Kspar alteration, patchy surface oxidation	LA, BK
RD14-176	487438	5175130	396	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar, minor epidote alteration	LA, BK
RD14-177	487356	5175073	406	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-178	487162	5175109	401	Granite Gneiss	Medium-Coarse	-	None visible	Strong Kspar, minor epidote + chlorite alteration	LA, BK
RD14-179	486909	5175194	376	Granite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-180	486854	5175227	368	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration, minor epidote veinlets	LA, BK
RD14-181	486759	5175424	394	Granodiorite Gneiss	Medium	-	None visible	Minor Kspar	LA, BK
RD14-182	486718	5175467	392	Granite Gneiss	Medium-Coarse	-	None visible	Strong Kspar, epidote alteration	LA, BK
RD14-183	486678	5175565	410	Granite Gneiss	Medium-Coarse	-	None visible	Kspar, epidote alteration, minor surface oxidation	LA, BK
RD14-184	486695	5175695	388	SUBX	-	GDGN	None visible	Minor Kspar alteration	LA, BK
RD14-185	486588	5176720	396	Diabase	Fine	GRGN	None visible	Kspar alteration (GRGN)	LA, BK
RD14-186	486418	5176916	398	Granite Gneiss	Medium-Coarse	-	None visible	Kspar, strong epidote alteration, strong surface oxidation	LA, BK
RD14-187	487404	5176545	365	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-188	487499	5176521	385	Granodiorite Gneiss	Medium-Coarse	-	None visible	None visible	LA, BK
RD14-189	487574	5176503	395	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-190	487632	5176488	392	Granodiorite Gneiss	Medium	SUBX	None visible	None visible	LA, BK
RD14-191	487700	5176500	397	Granodiorite Gneiss	Medium	-	None visible	Minor Kspar alteration, minor surface oxidation	LA, BK
RD14-192	487781	5176482	399	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-193	487864	5176391	410	Granodiorite Gneiss	Medium-Coarse	-	None visible	Strong Kspar, moderate epidote alteration	LA, BK
RD14-194	487875	5176246	386	Granodiorite Gneiss	Medium	-	Trace Py?	Minor Kspar alteration	LA, BK
RD14-195	487885	5176170	386	Granodiorite Gneiss	Medium	SUBX	None visible	Kspar alteration	LA, BK
RD14-196	487875	5176030	395	Granite Gneiss	Medium-Coarse	-	None visible	Strong Kspar alteration	LA, BK
RD14-197	487893	5175843	400	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-198	487899	5175679	408	Granodiorite Gneiss	Medium	-	None visible	Kspar alteration	LA, BK
RD14-199	487841	5175569	405	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK

Outcrop Station	Easting	Northing	Elevation	Major Rock	Grain Size	Minor Rock	Mineralization	Alteration	Team
RD14-200	487883	5175504	408	Granodiorite Gneiss	Medium-Coarse	Mafic dyke	None visible	Kspar alteration (GDGN)	LA, BK
RD14-201	487897	5175466	407	Granodiorite Gneiss	Medium-Coarse	-	Maybe trace Py?	Kspar, some epidote alteration	LA, BK
RD14-202	487849	5175511	400	Granodiorite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK
RD14-203	487733	5175591	398	Granite Gneiss	Medium-Coarse	-	None visible	-	LA, BK
RD14-204	487520	5175875	391	Granite Gneiss	Medium-Coarse	-	None visible	Kspar alteration	LA, BK

Table 5: 2014 Mapping/Prospecting Program – Structural Measurements

Outcrop Station	Easting	Northing	Elevation	Structure Type	Azimuth	Dip	Comment
RD14-016	485153	5176615	416	Contact	050°	?	Sharp contact between MFGN(?) and granite
RD14-062	484810	5176419	407	Foliation	010°	20°	-
RD14-062	484810	5176419	407	Shear (?)	120°	?	-
RD14-074	486441	5175219	394	Small-scale shear	160°	?	-
RD14-116	486705	5176095	391	Foliation	NW-SE		Trend
RD14-116	486705	5176095	391	Granophyric vein	NE-SW		Trend
RD14-134	486303	5176463	377	Dyke trend	020°	?	-
RD14-185	486588	5176720	396	Contact	NE-SW ?		Sharp

Table 6: 2014 Mapping/Prospecting Program – Detailed Grab Sample Descriptions

Outcrop Station	Sample Number	Easting	Northing	Elevation	Claim Block	Major Rock Type	Minor Rock Type	Mineralization	Description
RD14-014	RD14-014-001	485080	5176658	414	1242372	GDGN	-	Trace Py	Equigranular, ~60-70% mafic material, well-foliated. Trace Py locally.
RD14-018	RD14-018-001	485338	5176739	403	1192778	SUBX	GDGN	Trace Py + Po?	GDGN is coarse-grained, ~50% mafic material with very minor kspar alteration. SUBX matrix is aphanitic, dark grey, slightly silicified with ~20-30% clasts. SUBX shows rusty surface oxidation locally. Contact between units is sharp.
RD14-019	RD14-019-001	486966	5174710	346	1192781	DIA	-	None visible	Coarse-grained, massive, mostly mafic, euhedral blady biotite and amphiboles. Very minor surface oxidation but no mineralization visible.
RD14-048	RD14-048-001	485411	5176978	422	1192778	QD/IQD	-	0.5% blebby to disseminated Po + Py	Fine- to medium-grained, medium grey, equigranular. Clasts of felsic-rich material locally (IQD?). ~0.5% blebby to disseminated Po + Py.
RD14-052	RD14-052-001	485283	5176546	390	1242372	SUBX	-	Po, Py, Cp?	Sample is strongly oxidized (red-purple) SUBX - appears slightly recrystallized. ~1-2% blebby to disseminated Po + Py with possible trace Cp.
RD14-052	RD14-052-002	485278	5176566	392	1242372	SUBX	-	Trace Po + Py	Sample not nearly as oxidized as other piece from this outcrop - SUBX matrix is dark grey, aphanitic, slightly recrystallized, ~15-20% clasts, trace disseminated Py + Po throughout matrix.
RD14-090	RD14-090-001	485934	5175932	400	1247363	GDGN	-	Trace Po + Py	Medium- to coarse-grained, ~60% mafic material, foliated.
RD14-096	RD14-096-001	485864	5176282	385	1247362	GDGN	-	Trace Po + Py	Medium- to coarse-grained, ~6-70% mafic material, massive, moderate kspar alteration, patchy/blebby surface oxidation with trace Po + Py.

Outcrop Station	Sample Number	Easting	Northing	Elevation	Claim Block	Major Rock Type	Minor Rock Type	Mineralization	Description
RD14-097	RD14-097-001	485788	5176239	395	1247362	DIA	-	Trace Py	Massive, mafic, euhedral blady amphiboles with mm-sized, rounded milky white plagioclase phenocrysts (Matachewan?). Some purple-red surface oxidation and trace disseminated Py.
RD14-100	RD14-100-001	485590	5176246	389	1242372	SUBX	-	Trace Po + Py	SUBX matrix is dark grey, aphanitic, ~30-40% clasts, not recrystallized. Trace disseminated Po + Py throughout.
RD14-100	RD14-100-002	485590	5176246	389	1242372	GDGN	-	Trace Py	Massive, coarse-grained, white-green-pink. Trace disseminated Py throughout.
RD14-101	RD14-101-001	485542	5176247	391	1242372	GDGN	-	Trace Po, Py (Cp?)	Medium- to coarse-grained, strong oxidation on surface and on fracture planes, locally foliated, ~70-80% mafic material. Trace disseminated Po + Py with possible trace Cp.
RD14-127	RD14-127-001	486758	5176780	371	1192779	GDGN	-	Trace Py	Mostly mafic (~85%), massive, dark grey with greenish tinge + pink and white. Trace disseminated Py.
RD14-139	RD14-139-001	486520	5176267	401	1192779	GDGN	-	Trace Py	Very mafic (>90%), medium-grained, dark green-grey with patchy pink kspar. Trace disseminated Py. Sample in close proximity to Cu soil anomaly.
RD14-139	RD14-139-002	486520	5176267	401	1192779	GDGN	-	Trace Py	Mostly mafic (~80%), medium- to coarse-grained, dark green-grey with patchy pink kspar. Trace disseminated Py. Sample in close proximity to Cu soil anomaly.
RD14-140	RD14-140-001	486588	5176338	408	1192779	GDGN	-	~1% Py + Po	Medium- to coarse-grained, ~60% mafic material, green-grey with white, red-purple oxidation on surface and on fractures, ~1% disseminated Py + Po throughout.

Outcrop Station	Sample Number	Easting	Northing	Elevation	Claim Block	Major Rock Type	Minor Rock Type	Mineralization	Description
RD14-145	RD14-145-001	486214	5176924	379	1192779	GDGN	-	~1% Py + Po	Medium- to coarse-grained, ~60-70% mafic material, well-foliated, green-grey with pink-white. ~1% disseminated Py + Po that seems to be confined to felsic bands.
RD14-152	RD14-152-001	486677	5176066	389	1192779	GDGN	-	Trace Py	Medium- to coarse-grained, pink-white with green, massive, ~70% mafic material. Trace disseminated Py.
RD14-157	RD14-157-001	486433	5176009	369	1192779	DIA	-	0.5% Py	Fine-grained, massive, minor oxidation on surface and fracture planes. ~0.5% disseminated to blebby Py.
RD14-186	RD14-186-001	486418	5176916	398	1192779	GRGN	-	~5% Py	Coarse-grained, massive, pink-white, very little mafic material, very strong kspars (pervasive) and epidote (veinlets) alteration. Abundant surface oxidation. ~5% euhedral/cubic to fgr disseminated pyrite
RD14-186	RD14-186-002	486418	5176916	398	1192779	GRGN	-	Trace Py	Coarse-grained, massive, pink-white, very little mafic material, very strong kspars (pervasive) and epidote (veinlets) alteration. Abundant surface oxidation. Trace disseminated pyrite.
RD14-201	RD14-201-001	487897	5175466	407	1192780	GDGN	-	Trace Py	Medium- to coarse-grained, green with pink-white, well-foliated, ~50-60% mafic material. Trace disseminated Py. Sample is in close proximity to Ni soil anomaly.

APPENDIX C: ASSAY RESULTS AND CERTIFICATES



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KGHM International Ltd.
Attn : Chantal Jolette

1300 Kelly Lake Road
Sudbury, ON, P3E 5P4
Canada

Phone: 705-671-1779 x204
Fax: 705-671-1137

23-October-2014

Date Rec. : 11 September 2014
LR Report : CA02674-SEP14
Project : RAND
Client Ref : Rand-14-01/47140EX.7305

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Weight g	Ag g/t	Al g/t	As g/t	Ba g/t	Be g/t	Bi g/t	Ca g/t	Cd g/t	Co g/t	Cr g/t
2: N986501	1328	< 2	87400	< 30	715	< 2	< 20	42400	< 2	17	41
3: N986502	2345	< 2	78800	< 30	633	< 2	< 20	37600	< 2	39	76
4: N986503	857	< 2	34900	< 30	666	< 2	< 20	20300	< 2	104	23
5: N986504	776	< 2	80000	< 30	695	< 2	< 20	36400	< 2	28	40

Sample ID	Cu g/t	Fe g/t	K g/t	Li g/t	Mg g/t	Mn g/t	Mo g/t	Na g/t	Ni g/t	P g/t	Pb g/t
2: N986501	36.8	39800	16400	< 10	16800	401	< 5	31800	25	1440	< 30
3: N986502	193	50700	15900	< 10	22100	693	< 5	27900	248	919	< 30
4: N986503	411	83000	17200	< 10	12400	535	< 5	7820	< 20	< 200	< 30
5: N986504	59.0	53800	20600	< 10	17200	559	< 5	29200	34	1180	< 30

Sample ID	Sb g/t	Se g/t	Sn g/t	Sr g/t	Ti g/t	Tl g/t	U g/t	V g/t	Y g/t	Zn g/t	Au g/t	Pt g/t
2: N986501	< 20	< 30	< 20	706	2700	< 30	< 30	83	11.8	41	< 0.02	< 0.02
3: N986502	< 20	< 30	< 20	534	4250	< 30	< 30	123	14.2	89	< 0.02	0.03
4: N986503	< 20	< 30	< 20	121	327	< 30	< 30	21	16.3	36	< 0.02	< 0.02
5: N986504	< 20	< 30	< 20	525	4880	< 30	< 30	112	13.1	76	< 0.02	< 0.02

Sample ID	Pd g/t
2: N986501	< 0.02
3: N986502	0.03
4: N986503	< 0.02
5: N986504	< 0.02



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Sample ID	Weight g	Ag g/t	Al g/t	As g/t	Ba g/t	Be g/t	Bi g/t	Ca g/t	Cd g/t	Co g/t	Cr g/t
6: N986505	903	< 2	77000	< 30	614	< 2	< 20	43000	< 2	27	50
7: N986506	1029	< 2	78500	< 30	466	< 2	< 20	34900	< 2	23	36
8: N986507	580	< 2	81400	< 30	592	< 2	< 20	25200	< 2	30	123
9: N986508	384	< 2	88100	< 30	1970	< 2	< 20	20100	< 2	19	87
10: N986509	552	< 2	72300	< 30	438	< 2	< 20	18700	< 2	32	51
11: N986510	55.6	< 2	56700	< 30	304	< 2	< 20	35100	< 2	237	85
12: N986511	1316	< 2	78400	< 30	438	< 2	< 20	32100	< 2	32	51
13: N986512	1391	< 2	62900	< 30	169	< 2	< 20	64900	< 2	52	51
14: N986513	1117	< 2	86800	< 30	2730	< 2	< 20	30800	< 2	21	51

Sample ID	Cu g/t	Fe g/t	K g/t	Li g/t	Mg g/t	Mn g/t	Mo g/t	Na g/t	Ni g/t	P g/t	Pb g/t
6: N986505	62.3	55600	20000	< 10	19600	768	< 5	23600	38	987	< 30
7: N986506	55.4	53600	18000	< 10	17200	934	< 5	25500	26	1900	< 30
8: N986507	42.3	52400	22500	< 10	24700	516	< 5	27600	107	460	< 30
9: N986508	26.6	39200	43500	< 10	17700	435	< 5	24000	82	3230	< 30
10: N986509	94.8	43100	14000	< 10	14100	322	< 5	25500	107	< 200	< 30
11: N986510	8720	175000	6040	< 10	17400	734	< 5	20000	14100	582	59
12: N986511	21.8	34400	15100	< 10	14200	566	< 5	34600	32	974	< 30
13: N986512	75.4	116000	6820	< 10	31900	1570	< 5	21600	45	1850	< 30
14: N986513	10.3	55400	30700	< 10	11400	903	< 5	29800	< 20	2161	< 30

Sample ID	Sb g/t	Se g/t	Sn g/t	Sr g/t	Ti g/t	Tl g/t	U g/t	V g/t	Y g/t	Zn g/t	Au g/t	Pt g/t
6: N986505	< 20	< 30	< 20	476	4820	< 30	< 30	136	13.7	66	< 0.02	< 0.02
7: N986506	< 20	< 30	< 20	333	7840	< 30	< 30	151	25.0	79	< 0.02	< 0.02
8: N986507	< 20	< 30	< 20	497	4600	< 30	< 30	132	6.6	136	< 0.02	< 0.02
9: N986508	< 20	< 30	< 20	546	4140	< 30	< 30	113	33.6	80	< 0.02	< 0.02
10: N986509	< 20	< 30	< 20	490	3360	< 30	< 30	75	4.0	61	< 0.02	< 0.02
11: N986510	< 20	< 30	< 20	370	2880	< 30	< 30	106	8.4	254	0.03	0.34
12: N986511	< 20	< 30	< 20	549	3130	< 30	< 30	75	9.2	50	< 0.02	< 0.02
13: N986512	< 20	< 30	< 20	285	14300	< 30	< 30	366	43.1	111	< 0.02	< 0.02
14: N986513	< 20	< 30	< 20	635	9120	< 30	< 30	74	21.0	95	< 0.02	< 0.02

Sample ID	Pd g/t
6: N986505	< 0.02
7: N986506	< 0.02
8: N986507	< 0.02
9: N986508	< 0.02
10: N986509	< 0.02
11: N986510	0.55
12: N986511	< 0.02
13: N986512	< 0.02
14: N986513	< 0.02

Online LIMS



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Sample ID	Weight g	Ag g/t	Al g/t	As g/t	Ba g/t	Be g/t	Bi g/t	Ca g/t	Cd g/t	Co g/t	Cr g/t
15: N986514	1577	< 2	74800	< 30	28	< 2	< 20	20600	< 2	6	51
16: N986515	2002	< 2	53500	< 30	17	< 2	< 20	18900	< 2	< 4	51
17-DUP: N986509	---	< 2	72767	---	448	< 2	< 20	18859	< 2	32	---
18-STD: Prep Std SY-4	---	---	97787	---	328	2.2	---	57494	---	---	4.6
19-STD: Prep Std MP-1b	---	46	32888	3008	---	---	910	25780	520	---	---

Sample ID	Cu g/t	Fe g/t	K g/t	Li g/t	Mg g/t	Mn g/t	Mo g/t	Na g/t	Ni g/t	P g/t	Pb g/t
15: N986514	4.2	18800	598	< 10	1070	123	< 5	47200	< 20	< 200	< 30
16: N986515	4.3	12300	489	< 10	1380	120	< 5	49400	< 20	549	< 30
17-DUP: N986509	97.8	43900	14300	< 10	14300	360	< 5	26100	113	< 200	< 30
18-STD: Prep Std SY-4	4.5	42406	15069	33	---	813	---	49735	---	---	---
19-STD: Prep Std MP-1b	30012	80231	1917	22	228	503	283	---	---	---	20433

Sample ID	Sb g/t	Se g/t	Sn g/t	Sr g/t	Ti g/t	Tl g/t	U g/t	V g/t	Y g/t	Zn g/t	Au g/t	Pt g/t
15: N986514	< 20	< 30	< 20	523	1200	< 30	< 30	28	1.1	4	< 0.02	< 0.02
16: N986515	< 20	< 30	< 20	338	1900	< 30	< 30	38	3.7	6	< 0.02	< 0.02
17-DUP: N986509	< 20	< 30	< 20	496	3450	< 30	< 30	76	4.1	67	---	---
18-STD: Prep Std SY-4	---	---	---	1107	1758	---	---	6.4	104	---	---	---
19-STD: Prep Std MP-1b	60	---	16239	7.1	782	---	---	---	260	166828	---	---

Sample ID	Pd g/t
15: N986514	< 0.02
16: N986515	< 0.02
17-DUP: N986509	---
18-STD: Prep Std SY-4	---
19-STD: Prep Std MP-1b	---

Control quality assays- not suitable for commercial exchange.


Darlene Charlton
Project Coordinator,
Mineral Services, Analytical