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2015 Regional Diamond Drill Exploration Assessment Report

The Superior Project

Ryan and Kincaid Townships
NTS Map Sheets 041N01, 041N02, 041K15, and 041K16

November, 2016

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INTRODUCTION

The Mamainse Point area, Ontario has a long history of copper exploration and mining including two past producing deposits: the Coppercorp Mine (1965-1972) and the Tribag Mine (1965-1973). Following closure of the mines, the original properties were closed to staking and exploration for 30 years becoming available again in 2002. The area was recognized in the early 2000's for its potential to host Iron-Oxide-Copper-Gold type ("IOCG-type") deposits (Mackie, 2003), but limited exploration has been focused on exploring for this deposit type. The economic model was based on the Olympic Dam Deposit in South Australia which was discovered more than 300 metres below surface. Prior to Superior Copper's 2014 Regional Drill Program, no drilling had been carried out below 225 metres.

Between January 10, 2015 and May 29, 2015 Superior Copper Corporation completed a total of 3,820 metres in 6 diamond drill holes on the Superior Project as a continuation of regional exploration drilling initiated in June 2014. The exploration program was managed and supervised by Michael Kilbourne, P.Geo., quality assurance and quality control was independently audited by Tracy Armstrong, P.Geo, and Morgan Quinn, P.Geo acted as the Qualified Person responsible for accurate reporting of results and work performed.

LOCATION

The Superior Project is located at approximately 47° 01" North latitude and 84° 45" West at Mamainse Point which is 85 kilometres north-west of Sault Ste. Marie, and approximately 160 kilometres south of Wawa, Ontario. The property consists of 132 unpatented mining claims 100% held by Superior Copper covering approximately 17,026 hectares in Ryan and Kincaid townships.

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The property is easily accessed via Trans-Canada Highway route 17 North, which crosses the westernmost portion of the property. A network of logging roads, including numerous bush roads and overgrown skidder trails, provides additional access throughout the property. The main access routes for the western portion of the property are the historical Coppercorp Mine Road and a major logging road 2.5 km to the northeast. The eastern portion of the property is accessible by a network of logging roads that extend from the Carp River Rd. .

Climatic conditions are typical of north central Ontario. Average daily temperatures range from a high of 17.9°C in July to a low of -14.8°C in January. Recorded temperatures have ranged from a maximum temperature of 36.8 °C in July 1988 to a minimum temperature of –38.9 °C in January 1948. Mean total precipitation for Sault Ste. Marie is 897.7 millimetres including 651.3 mm of rainfall and 320.7 cm of snowfall. Higher levels of rainfall typically occur in September (average 101.8 mm) while the highest level of snowfall (average 85.0 cm) usually occurs in the month of December.

Figure 1 – Location of the Superior Project

REGIONAL GEOLOGY

The Superior Project is situated on the eastern edge of the Late Proterozoic (1050-1115 Ma) Midcontinent Rift ("MCR"), most of which now lies beneath Lake Superior. An assumed mantle plume likely produced the large volumes, up to 40 kilometres, of mafic volcanic and sedimentary rocks that formed during this period. The rift is bound by normal and reverse faults and can be traced geophysically for over 2000 km making it one of the largest intracratonic rifts in the world.

Numerous base-metal deposits have been discovered and mined around Lake Superior associated with the MCR, including the prolific native copper deposits of the Keweenawan Peninsula, Michigan. More recent discoveries include Copper-Nickel-PGE deposits such as the Twin Metals, Marathon PGM, Thunder Bay North and Eagle deposits (Figure 2). Refer to Miller and Nicholson (2013) for more information regarding geology and deposits of the Mid Continent Rift.

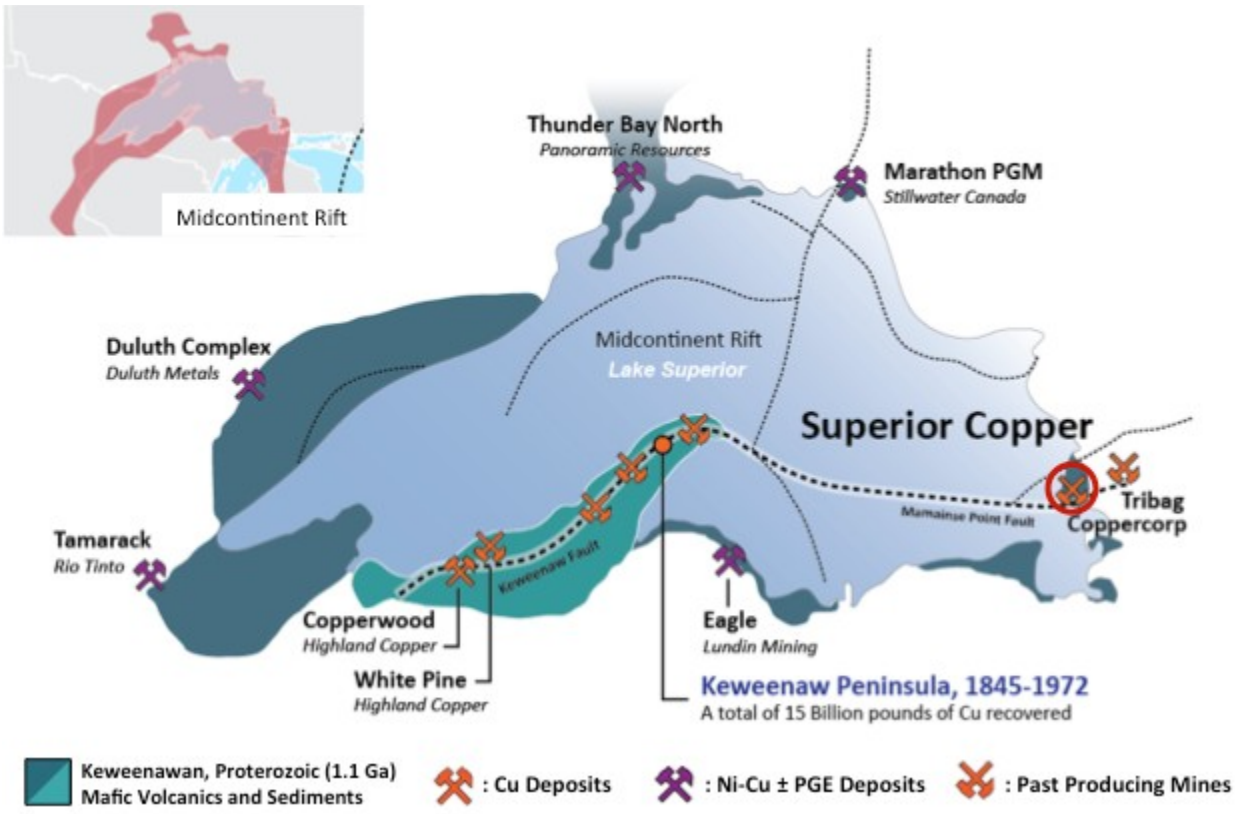

Figure 2 – Deposits of the Mid Continental Rift.

LOCAL GEOLOGY

The Superior Project is situated within the Mamainse Point Formation of the Keewenawan Group which is part of the Proterozoic Southern Province. The property straddles the NNW trending unconformity between the Mamainse Point Formation and rocks of the Batchawana Greenstone Belt of the Archean Superior Province.

The following is a summary of the geology at Mamainse Point by Coates and Brett (2011):

ARCHEAN BASEMENT ROCKS

The rocks of the Batchawana Greenstone Belt on the Coppercorp property consist of mafic to intermediate metavolcanics containing minor felsic metavolcanic units. The Pancake Lake Iron Formation which trends roughly east-west occurs just east of the northeasternmost end of the property and consists of Algoma-type iron formation. The Archean rocks have been deformed and metamorphosed up to amphibolite rank resulting in northeast trending isoclinal folds and a penetrative fabric with steep dips.

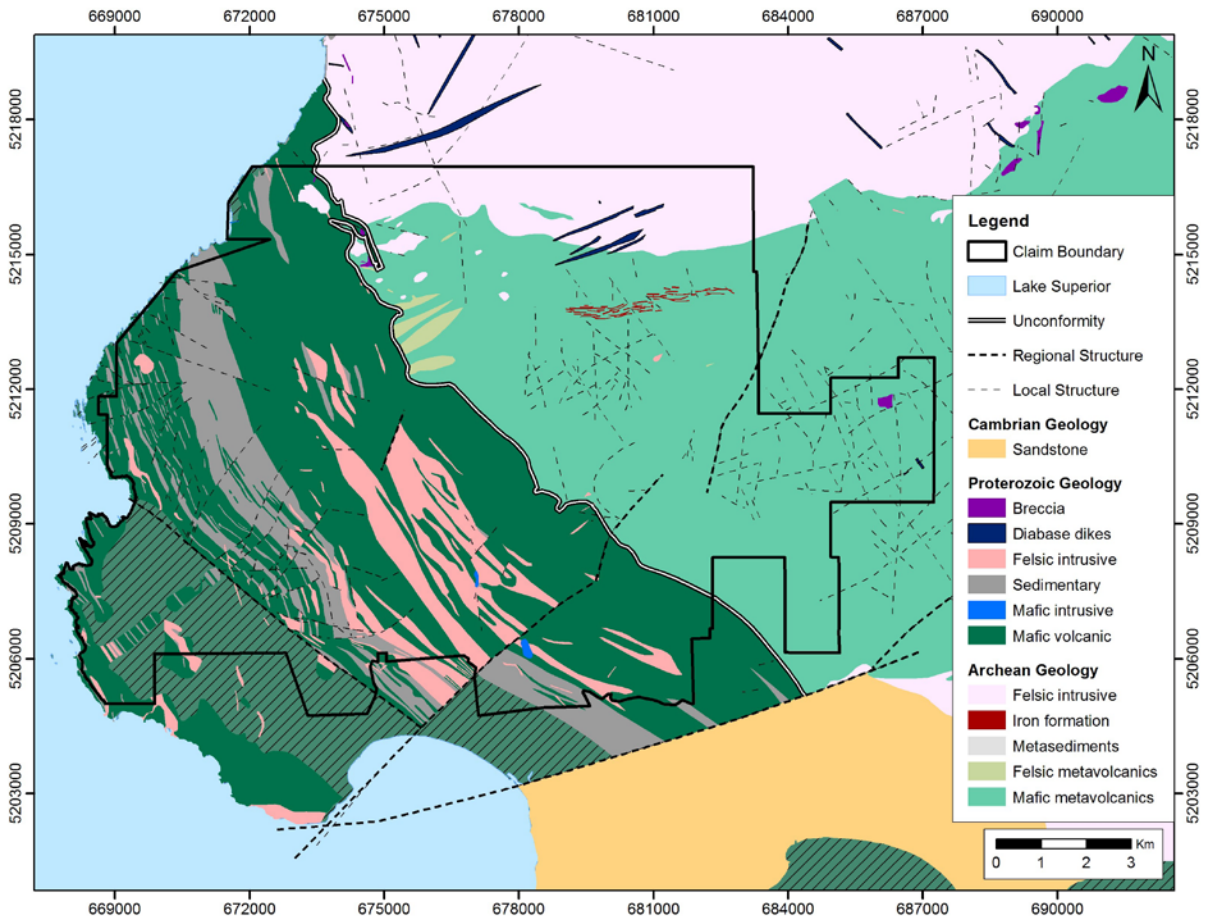

Figure 3 – Geologic Map of Mamainse Point, Ontario. After Giblin (1969).

The rocks have been intruded by felsic dikes, felsic porphyry, and felsic breccias considered to be Keweenwan in age and related to the Keweenawan felsic volcanic and intrusive rocks occurring more extensively within the Mamainse Point Formation to the west. A Keweenawan- age felsic intrusion, the Jogran Porphyry, intrudes the mafic metavolcanics about 1 kilometre east of the eastern edge of the property. The Jogran Porphyry is noteable for having several Cu- Mo prospects associated with it.

PROTEROZOIC KEWEENAWAN ROCKS

The Mamainse Point Formation consists of a 6 kilometre thick sequence of subaerial flood basalts intercalated with conglomerates and felsic volcanic and sub-volcanic units. The sequence generally trends to the northwest with a homoclinal dip of 30-40° southwest.

To the north, the Mamainse Point Formation is unconformably overlain by the Mica Bay Formation, considered to be the equivalent of the Freda Formation on the south side of Lake Superior. (Hamblin, 1961; Annells, 1973; Giblin, 1969). To the south, the Mamainse Point Formation is in fault contact with red sandstone of the Jacobsville Formation. Both the Jacobsville Formation and the Mica Bay Formation

(Freda Formation) are considered to be late Keweenawan in age based on paleomagnetic age estimates (Halls and Pesonen, 1982).

Basalt volcanic flows generally range from 1.5 to 30 metres in thickness, with upper vesicular zones and topped by ropy pahoehoe or scoriaceous flow tops, depending on the rock composition (Annells, 1973). In some cases, clastic material occurs as dikelike structures in joints and fissures in the basalt, which are thought to indicate the occurrence of minor earth movements contemporaneous with the accumulation of the lava pile. The clastic sediment in these structures is often highly altered, suggesting that the fissures acted as channelways for hydrothermal fluids (Richards, 1985).

The clastic sediments within the Mamainse Point Formation consist primarily of poorly sorted, clast-supported polymictic conglomerate containing minor lenses and sheets of cross-bedded, coarse sandstone. Conglomerate clasts are rounded, ranging from pebbles to boulders in size, and are derived predominantly from mafic volcanic (Keweenawan) and granitic (Archean) source areas. The polymictic conglomerate has been interpreted as forming within an alluvial fan depositional environment in a rifted crustal setting. The conglomerate most likely originated as fault scarp deposits resulting from normal faulting occurring at the edge of the rift. Syn- to slightly post-tectonic sediment transport occurred from the craton towards the down-dropped blocks within the rift (Smith, 1995).

Hypabyssal felsic rocks occur throughout the stratigraphic succession and have been identified as being predominantly intrusive and sub-volcanic in nature. The three main rock types found are: quartz porphyry, felsite, and flow-banded rhyolite (Giblin, 1969c; Annells, 1973). Although many of the felsic rocks have intrusive contact relationships with the mafic volcanics and conglomerates, the presence of agglomerates and felsic tuffs in the sequence indicate that felsic intrusive activity extended to surface and was contemporaneous with the eruption of basaltic lavas (Annells, 1973; Giblin 1969b; Richards, 1985).

In the upper part of the volcanic pile, near the Lake Superior shore, flow-banded felsic units are strongly hematized. The hematite alteration is irregularly overprinted by a white, bleaching alteration (kaolinitization).

STRUCTURAL GEOLOGY

The main structural features of the Coppercorp property are the great unconformity between the Archean and Proterozoic tectonic provinces and more localized faults that offset or truncate the various stratigraphic units: the Mamainse Point Fault, the Mamainse Lake Fault, and the Hibbard Bay Fault.

The Mamainse Point Fault trends east-northeast and juxtaposes rocks of the Mamainse Point Formation with the red sandstones of the Jacobsville Formation. The Mamainse Lake Fault trends northeast and displays a variable, left-hand strike displacement of the volcanic and sedimentary units. The fault appears to converge with the Mamainse Point Fault under Pancake Bay. The Hibbard Bay Fault is a northwest trending fault that truncates the stratigraphy at an acute angle. The fault is oriented sub-parallel to the rift axis under what is now Lake Superior.

Many of the north-east trending crustal-scale faults along the Lake Superior shore have been interpreted as having late reverse movement based on geophysical analysis (gravity, magnetic, and paleomagnetic data). Manson and Halls (1993) attribute the reverse movement to the compressional effects of deformation from the southeast related to the Grenville orogenesis in late Keweenawan time.

In addition to the large crustal scale structures in the area, stratigraphic units of the Mamainse Point Formation have been offset by a series of radially distributed faults with a focal point located in the central part of the Amerigo Property. The radial distribution of faults coincides with a regional convex upwarping of the Mamainse strata towards the west. The focal area is dominated by an area of high magnetic intensity, and many of the faults radiate westward from a large body of felsite about 4 kilometres east of the Coppercorp Mine. These same radially distributed faults form some of the mineralized zones in the Coppercorp Mine.

This regional warping of the Mamainse Point Formation with possible concurrent radial faulting appears to be a late stage feature that may be significant to the mineralization process in the Coppercorp area and elsewhere on the property.

– Coates and Brett (2011)

REGIONAL MAGNETIC ANOMALY

A prominent 5 kilometre by 5 kilometre high magnetic anomaly (the "Regional Mag-High") exists within the Project area (Figure 4) that has been the subject of much interest and speculation. The source of the anomaly is poorly understood, but is the key feature of the IOCG hypothesis. The anomaly most likely represents increased concentrations of secondary magnetite at this location, which may act as a chemical trap for sulphide mineralization and/or be due to primary magnetite mineralization which is an indicator of IOCG-type deposits. Minor occurrences of magnetite veins in outcrop and magnetite vein breccia in drill core have been discovered in this area, but not in high enough concentrations to explain the regional anomaly.

PREVIOUS WORK

The Mamainse Point area has a long history of prospecting, exploration and mining activity dating to the mid-1800's. Most of the previous efforts focused on discreet prospects within the current property by competing operators. The Superior Project represents an aggregate of the majority of those prospects including the Montreal Mining Sand Bay Location, Baseline Prospect, Pall Mall, Kincaid Breccia, Jogran Porphyry and Richards Breccia, and Glenrock prospects. The work from the drill program in 2014 was carried out on the portion of the property west of the unconformity which includes the Montreal Mining Sand Bay Location, Baseline, and Pall Mall prospects. The following is a summary of work carried out at these locations. For more detailed descriptions of historical work, please refer to the AFRI files provided with each individual prospect.

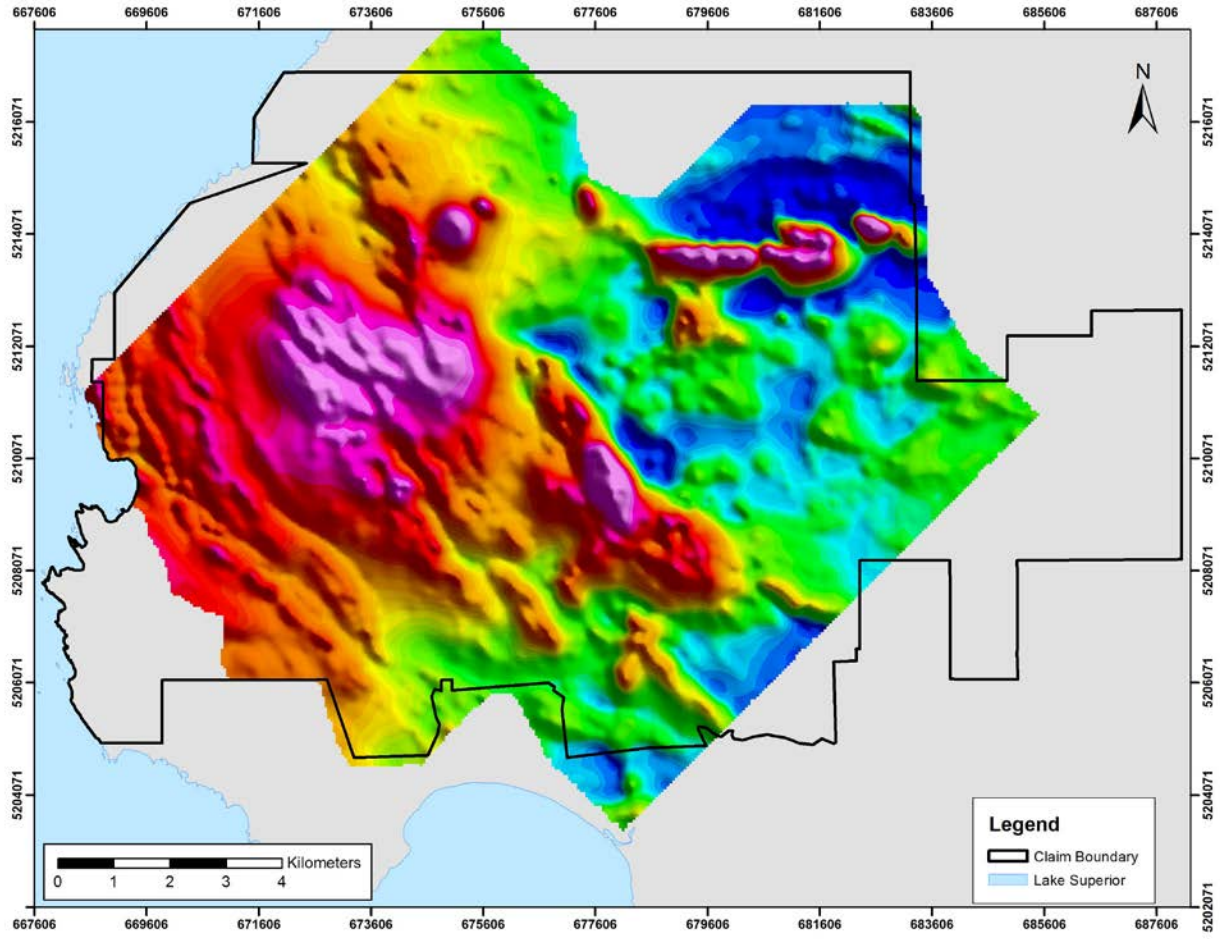

Figure 4 – Regional Mag-High. Displayed as total magnetic intensity (Pink: strong magnetic intensity, Max = 62697nT; Blue = weak magnetic intensity, Min = 55371nT) after Geotech Ltd., (2014)

Montreal Mining Sand Bay Location

1856\1857	*The Montreal Mining Company* owned the property; the location became known as the Montreal Mining Sand Bay Location. Historical records unavailable.
1871	*Ontario Mineral Lands Co.* held ownership. Historical records unavailable.
1882\1884	*Silver Islet Consolidated Mining and Lands Co.* held ownership. Historical records unavailable.
1890	*Canada Lands Purchase Syndicate* held ownership. Historical records unavailable.
1892	*Nipigon Mining Co.* held ownership. Historical records unavailable.
1906\1908	*Calumet and Hecla Co.* held ownership. Historical records unavailable.

1948\1949	*Macassa Mines* examined and drilled of old copper showings; optioned the property to C. C. Huston and Associates
1949\1952	*C. C. Huston and Associates* completed 33,400 feet of diamond drilling; outlined copper mineralization in the area of the Coppercorp Mine, including the C, D, SB, and Silver Creek Zones.
1954\1957	*Coppercorp Ltd.* sunk a shaft to 550 feet; developed 14,000 feet of drifts; 60,000 tons of ore was stockpiled on surface (due to falling copper prices).
1962\1964	*Vauze Mines Ltd.* completed surface exploration comprised of geology, geophysics and geochemical sampling as well as additional diamond drilling.
1965	*Vauze Mines Ltd.* dewatered workings, re-opened mine, deepened shaft to 629 feet; Production rate of 500 tons of copper concentrate per day with over 90% recovery. Pre-production ore reserve estimate of 1.54 million tons @ 2.1% copper (historical, non 43-101 compliant).
1965\1972	*Vauze Mines Ltd.* produced over 1,000,000 tons of milled ore for almost 24 million pounds of copper, 238,000 ounces of silver and 1,964 ounces of gold from the Coppercorp Mine.
1972\2002	Mine shut down; Property remained closed to staking.
1991\1992	*J.F. Paquette* carried out a self-potential survey, prospecting/sampling at the Lutz Vein and L Zone.
1993	*Cominco Ltd.* completed mapping, soil and humus geochemistry, electromagnetic (UTEM) and magnetic surveys at the Lutz Vein and L Zone.
2002	*Terry Nicholson and William Gibbs* staked the original Coppercorp property and optioned the claim group to Amerigo Resources Ltd.
2003	*Amerigo Resources Ltd.* completed an airborne magnetic survey; mapping and sampling on select areas; detailed mapping on 16 line-kilometre grid over Silver Creek area.
2004\2007	*Nikos Explorations Ltd.* completed detailed mapping, sampling, and geophysics over the Beaver Pond grid and over the Regional Mag High grid; 3,733m of diamond drilling in 23 holes along strike southeast of the Coppercorp Mine.
2009	*First Minerals Explorations Ltd.* optioned property; Sampling at the B Zone returned an assay of 51.8% copper.
2010	*Superior Copper Corp. (formerly Cenit Corporation)* optioned a 50% interest in the property; completed mechanized stripping/trenching over select areas; prospecting, mapping, and sampling.
2011	*Superior Copper* completed 887.5 meters of diamond drilling in 13 holes at the B zone; mapping and sampling on claim 3015689.
2012	*Superior Copper* carried out prospecting, stripping, mapping and sampling over select areas of the property; Ground magnetics, gravity, IP, and MMI soil geochemistry on 41 line-kilometre grid over Regional Magnetic High.
2013	*Superior Copper* completed 1319 metres of diamond drilling in 6 holes on on the historical SB Zone, the B-Zone and C-Zones.
2014	*Superior Copper* completed airborne ZTEM survey covering 769 line-kilometres; Ground magnetics, HLEM, and IP on 40 line-kilometre grid over 3M Zone; 12,412m of diamond drilling in 20 holes testing regional geophysical anomalies.

Baseline Prospect

1952	*C.C. Huston and Associates* discover Baseline Prospect.
1962	*Coppercorp Ltd.* conducted diamond drilling. Historical records unavailable.
2003\2004	*D. Tortosa* conducted detailed geologic mapping, prospecting and sampling.
2011	*Superior Copper* acquired property.

Kincaid Area

1952	*C.C. Huston and Associates* discover Kincaid Breccia.
1962	*Coppercorp Ltd.* conducted diamond drilling. Historical records unavailable.
1999	*A. Gasparetto and R. Fenlon* completed geological mapping, VLF-EM and ground magnetic surveys.
2002\2003	*Intrepid Minerals Corporation* completed mapping, regional gravity survey, prospecting and sampling, and diamond drilling.
2011	*Cenit Corporation (now Superior Copper Corporation)* completed a reconnaissance geological and sampling survey.
2012	*Superior Copper Corp.* completed 1,015m of diamond drilling in 11 holes.

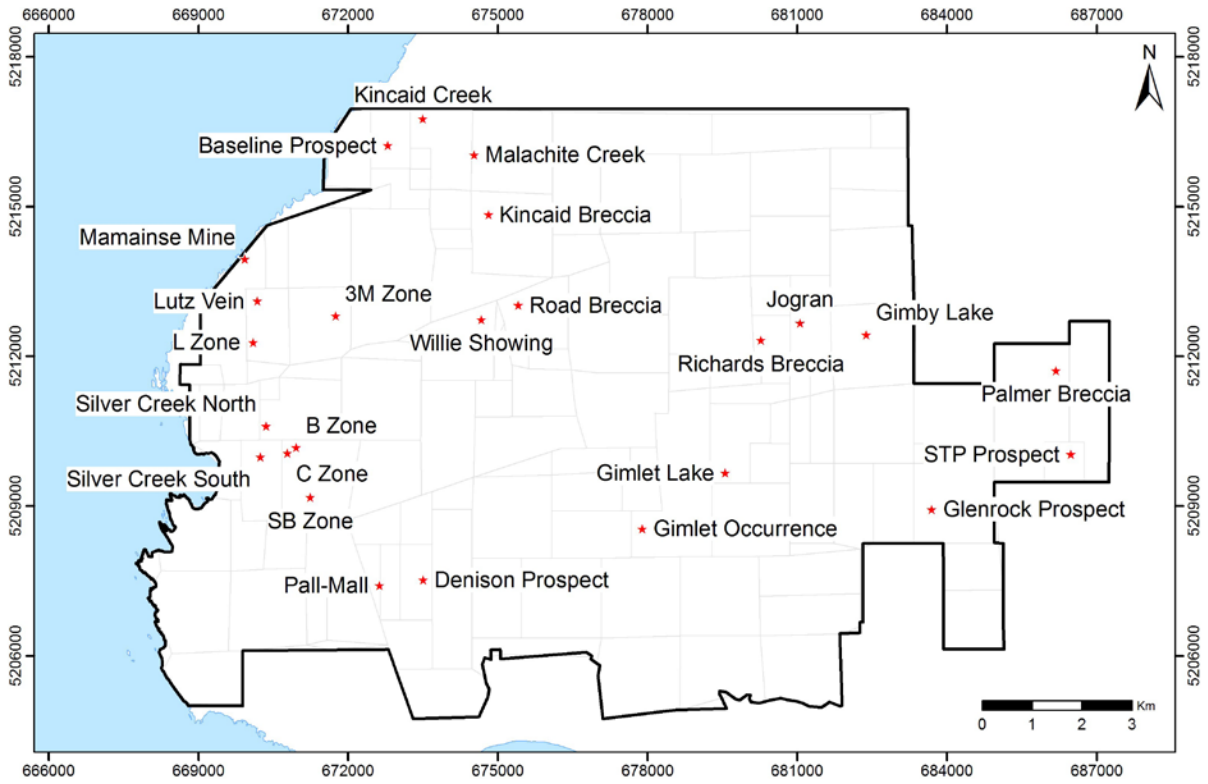

Figure 5 – Significant prospects with in the Superior Project.

DIAMOND DRILLING

Between January 10, 2015 and May 29, 2015 Superior Copper Corporation completed a total of 3,820 metres in 6 diamond drill holes on the Superior Project as a part of an ongoing regional exploration drilling program. Of the 6 drill holes, 5 holes were carried out to test regional geophysical anomalies ("Regional" drilling) and 1 hole was drilled to follow up a chargeability anomaly identified from a 2014 induced polarization survey at the 3M Zone.

Orbit Garant Inc. of Val d'Or was the drilling contractor. The exploration program was managed and supervised by Michael Kilbourne, P.Geo., quality assurance and quality control was independently audited by Tracy Armstrong, P.Geo, and Morgan Quinn, P.Geo acted as the Qualified Person responsible for accurate reporting of results and work performed.

Summary data for all 6 drill holes can be found in Table 1. Figure 6 shows the collar locations and drill hole traces projected to surface in plan view. A large scale (1:5000) map can be found in Appendix B.

Table 1 – Diamond drill hole information

Hole ID	Date Started	Date Completed	Easting	Northing	Azimuth	Dip	Length
SPC-15-01	01/12/15	01/20/15	673503	5209725	045	-45	762
SPC-15-02	01/31/15	02/04/15	673503	5209725	000	-90	299
SPC-15-03	02/07/15	02/15/15	671525	5212700	065	-70	452
SPC-15-04	03/08/15	04/13/15	679179	5208358	000	-90	853
SPC-15-05	03/15/15	04/05/15	677552	5209338	225	-50	1,019
SPC-15-06	05/24/15	05/29/15	680393	5215318	015	-45	435
						Total	3,820

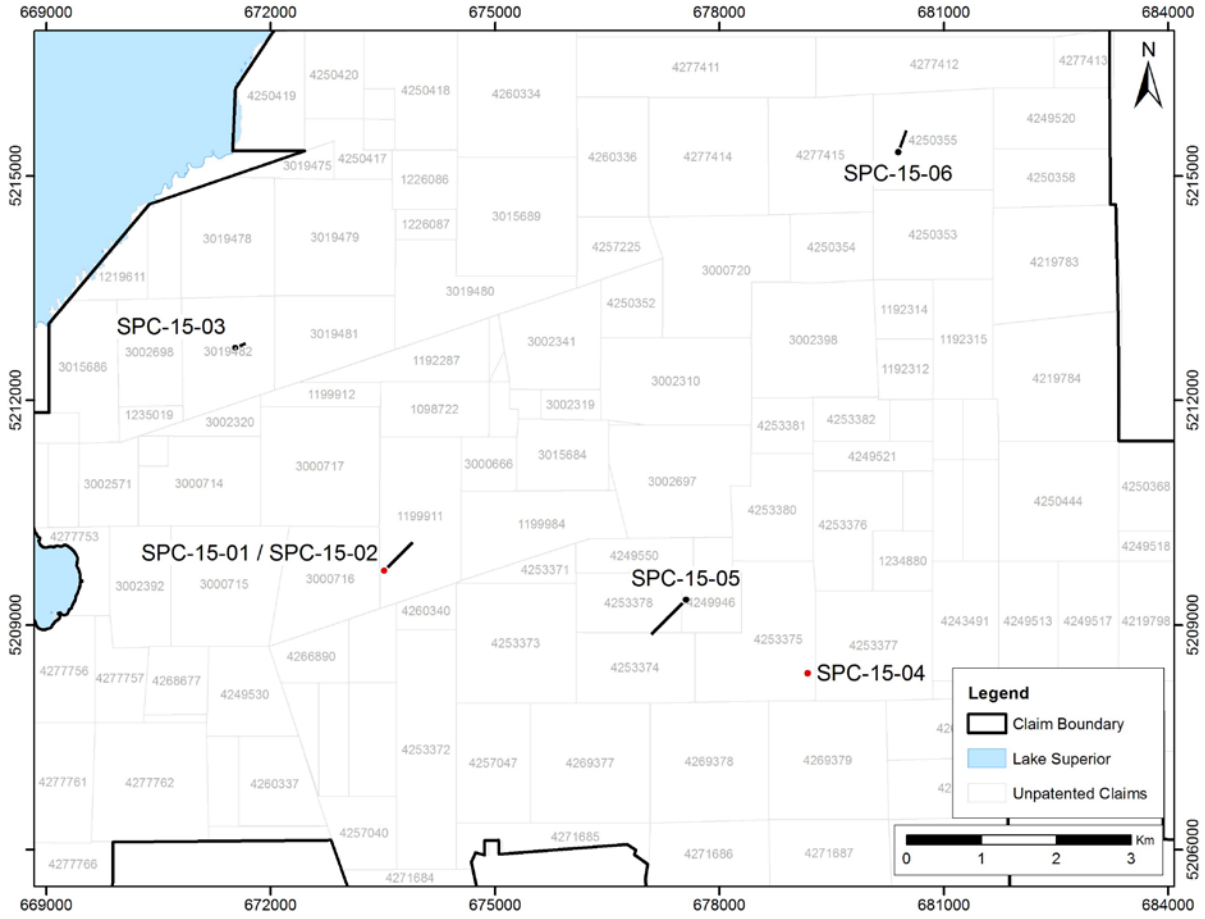

Figure 6 – Collar locations and drill hole traces projected to surface.

RESULTS

Diamond drill logs for all holes can be found in Appendix C.

REGIONAL DRILLING

The objective of the 2015 Regional Drill Program at the Superior Project was to test significant geophysical anomalies and coincidences with an emphasis on magnetic, gravity, and resistivity data. This effort led to the discovery of new zones of significant sulphide mineralization with anomalous copper and gold values.

SPC-15-01 and SPC-15-02 were collared at the same location to test a resistivity anomaly identified in resistivity depth slices and in pseudo-sections produced from the 2014 ZTEM data (Figure 7). The anomaly has a cylindrical shape with a radius of approximately 1.2 kilometres and extends from surface to a depth of 700m where it adjoins with a larger resistivity body. The interpretation prior to drilling was

that this anomaly could represent an intrusive apotheosis, a rhyolite plug, or a porphyry stock. Reports of chalcocite mineralization from historic maps (Department of Mines, 1953) increased the interest in this target. No direct link between sub volcanic intrusive and porphyry rocks in the Mamainse Point Formation has been established to date, but a spatial relationship between mineralized fissure veins and felsite intrusions has been noted by previous workers (Tortosa, 2013). Additionally, a mineralized monzonite porphyry of Proterozoic Age, known as the Jogran Porphyry, occurs in the Archaen Batchawana Greenstone Belt.

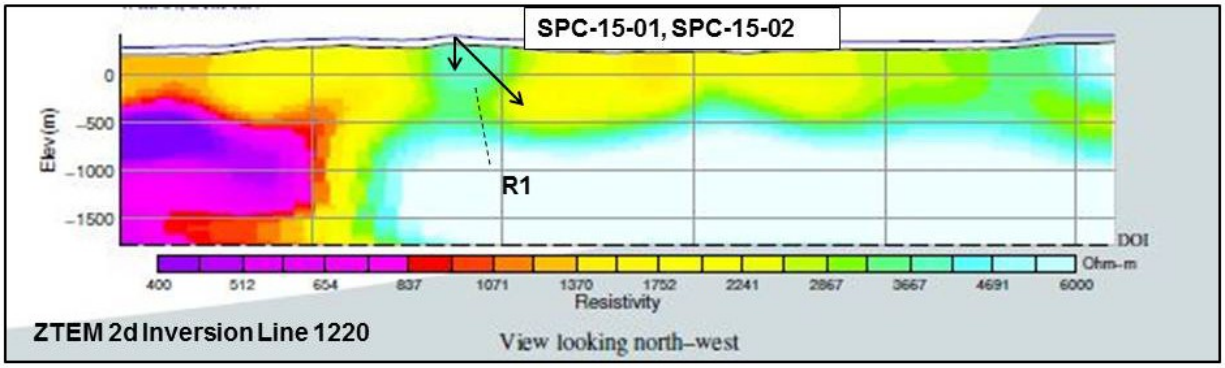

Figure 7 The Geotech R1 anomaly in section with drill holes SPC-15-01 and SPC-15-02.

Drill hole SPC-15-01 intersected a broad zone of intermittent mineralization in a sequence dominated by basalt from surface down to 288 metres. Mineralization consists of chalcopyrite +/- pyrite, chalcocite, bornite occuring commonly with specular hematite and magnetite hosted in veins, vein breccia, and as amygdules. Structures hosting mineralization were at a preferred orientation between 0-30 degrees to the core axis and contained gangue of quartz-carbonate +/- epidote, chlorite. The best result from this zone occurred between 258.35 to 261.70 metres returning 0.34% Cu over 3.23 metres including 2.72% Cu over 0.30 metres. The mineralized zone terminates at a unit described as strongly deformed and altered occuring over 10 meters from 288.13 to 298.84 metres. Beyond the strongly deformed and altered unit, the rock type changes dramatically to a sequence dominated by rhyolite, porphyry, and basalt clast conglomerate.

SPC-15-02 was drilled vertically from the same location to better evaluate the near surface mineralization intersected in hole SPC-15-01. Mineralization was limited to a single, near surface occurrence of chalcopyrite. No samples were taken.

See section *3M Zone Drilling* for SPC-15-03 results.

SPC-15-04 was drilled to test a coincident conductive-magnetic anomaly recommended as a priority target by Geotech Ltd. following the 2014 ZTEM Survey (Figure 7). The target was a conductive halo (Z3) that extends to a depth greater than 1 kilometre and surrounds a magnetic high (M3), a favorable IOCG breccia signature (Geotech, 2014). There is also a discretionary gravity anomaly to the SE that falls along a broader gravity-high that trends NW-SE identified by Intrepid Minerals (Mackie, 2003).

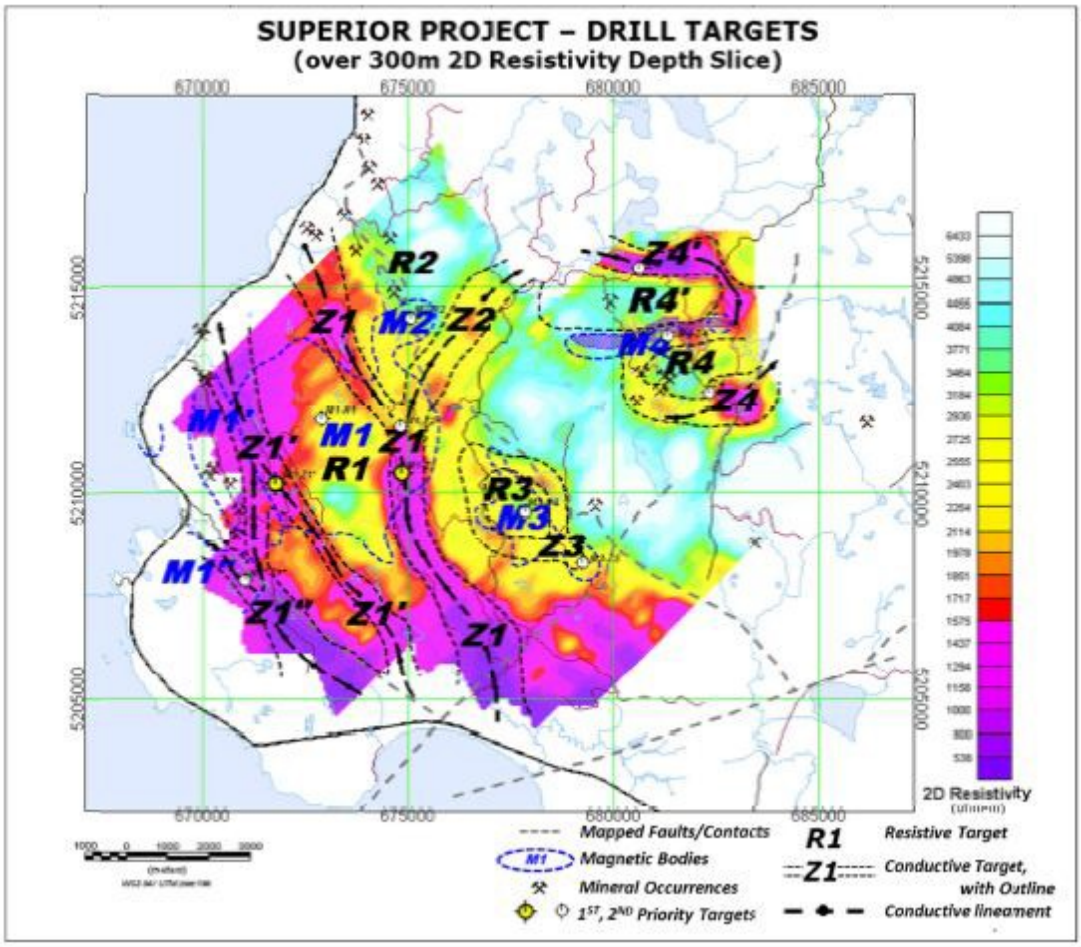

Figure 8 – ZTEM 2d resistivity depth slice (Z==300m), with targeted high resistivity anomalies (R1-R4'), low resistivity zones (Z1-Z4') & associated lineaments, magnetic susceptibility high features (M1-M4) and recommended drill-holes (M1Z1-R4'Z4').

Drill hole SPC-15-04 encountered intermittent sulphide mineralization from 58 metres to 375 metres followed by more consistent sulphide mineralization from 485 metres to the end of the hole at 853 metres. Mineralization consists of pyrite, chalcopyrite +/- magnetite, and bornite hosted in a variety of rock types including quartz feldspar porphyry, basalt, mafic dykes, and "daisystone". Occurrences are present as disseminations, veins, breccia, in fractures, as clots, and as semi-massive lenses.

In general, samples taken from SPC-15-04 returned low values, although anomalous copper and gold values occur intermittently throughout the hole. Elevated copper and gold values commonly occur together (r = 0.66) with maximum values for both metals of 2.46% copper and 0.54 gpt gold over 0.32 metres returned by sample R319875 at a depth of 755 metres. Of most interest, anomalous gold (i.e. above detection limit) is more frequent in this hole than all other holes drilled as part of the 2014-2015 regional drill program. The most significant interval of elevated gold occurs between 338 metres to 373 metres with the majority of samples returning values above detection. Additionally, anomalous concentrations of molybdenite (>10 ppm) were encountered intermittently from 373 metres to 667 metres, including up to 407 ppm in sample R319560.

Drill hole SPC-15-05 was drilled to test the center of a coincident resistivity (R3) and magnetic (M3) anomaly recommended as a second-priority target by Geotech Ltd. following the 2014 ZTEM Survey and is described as being suggestive of an IOCG system or a mafic intrusive. The location of the target is also 1 kilometre east of a discretionary gravity anomaly that falls within the same NW-SE trending gravity-high semi-coincident to the target drilled in SPC-15-04 (see above). The collar was relocated approximately 360 metres to the southwest in order to test both the margin of the magnetic-high and the gravity anomaly (Figure 8).

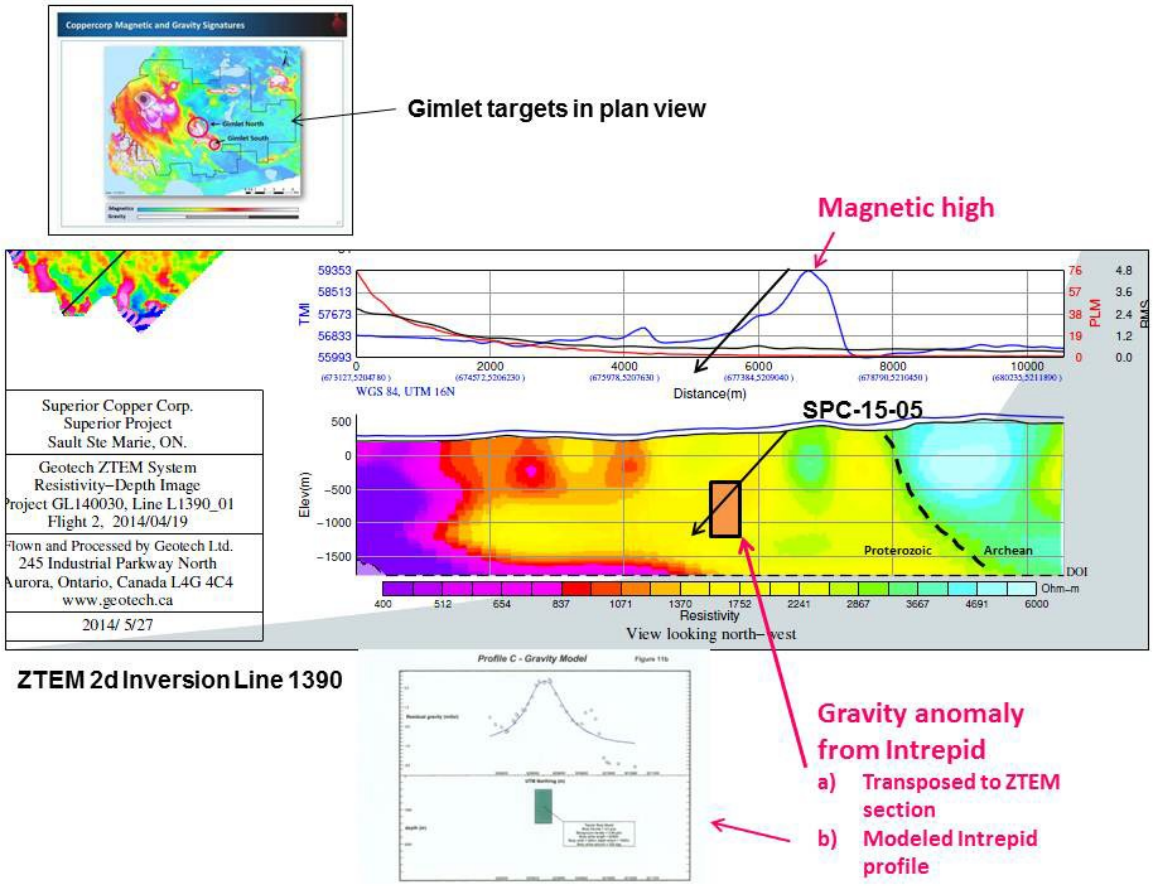

Figure 9 - Gimlet North target from favourable geophysical signatures (Kilbourne, 2015).

SPC-15-05 drilled through sequence of mafic volcanics intruded by felsic subvolcanic intrusions. Several minor copper sulphide occurences were logged from 66 metres to 416 metres, followed by a broad zone of weak, yet relatively consistent mineralization from 460 metres to 812 metres. Sulphide minerals include pyrite, chalcopyrite, bornite, and chalcocite present as disseminations, in fractures veins, breccia, as clots, and replacing magnetite. No preferred host rock is apparent, with mineralization occurring in all rock types encountered. Overall assays returned low copper and gold values.

Of particular interest are multiple occurrences of vein breccia with magnetite matrices (Figure 10). Clasts and wall rock display strong hematitic (?) or potassic (?) alteration at the margins, and strong epidotic alteration peripheral to the structure. The host is possibly a felsic sub-volcanic intrusion, otherwise alteration has given the rock a granitic appearance. Additionally, magnetite alteration of the country rock and magnetite in veins, commonly being replaced by chalcopyrite, occur throughout the hole.

Figure 10 – A representative example of vein breccia with a magnetite rich matrix and strong epidote-potassic alteration of the wall rock.

SPC-14-06 was drilled to test a weak VTEM (Geotech, 2015) anomaly with a coincident low resistivity ZTEM (Z4) anomaly along an apparent trend of prospects (Figure 8, 11, and 12). The hypothesis proposed the target could represent a listric fault, related to rifting of the MCR, capable of providing a conduit for hydrothermal fluids (Kilbourne, 2015).

Diabase, intrepretted to be of late Archean age, was the dominant rock type in hole SPC-15-06. Late brittle-fracture zones with calcite veining and strong hematization of the wall rock were scattered throughout the hole. Minor pyrite, pyrrhotite, and chalcopyrite mineralization was noted by the logger, but samples did not return any anomalous values.

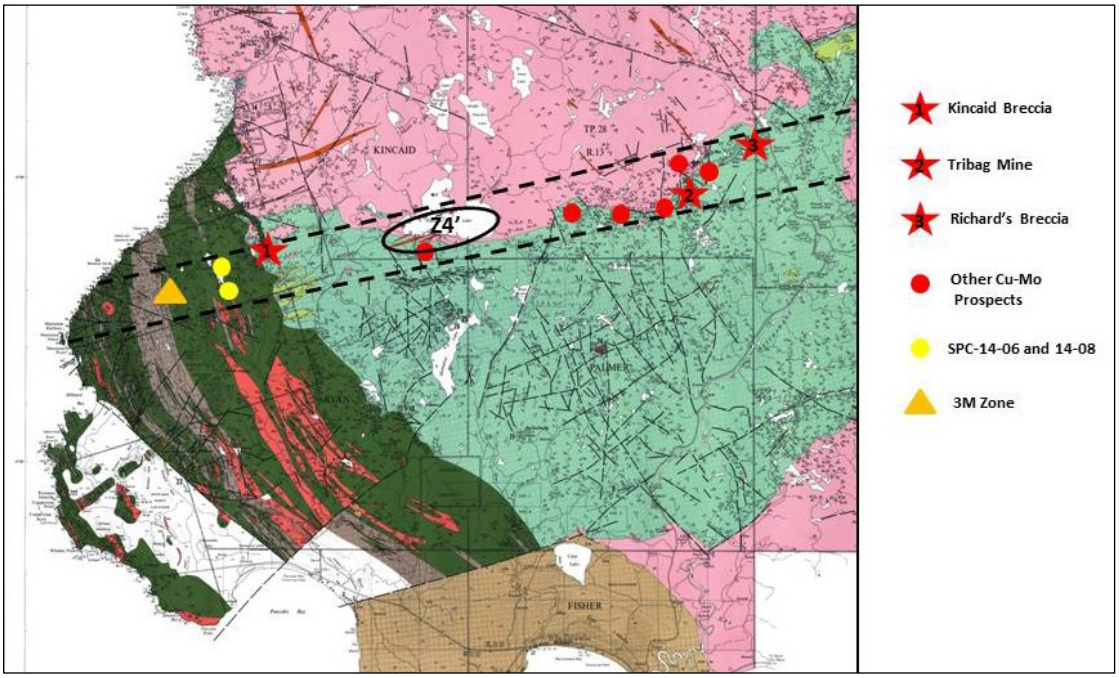

Figure 11 – Apparent mineralized corridor along the Archean greenstone-granite contact.

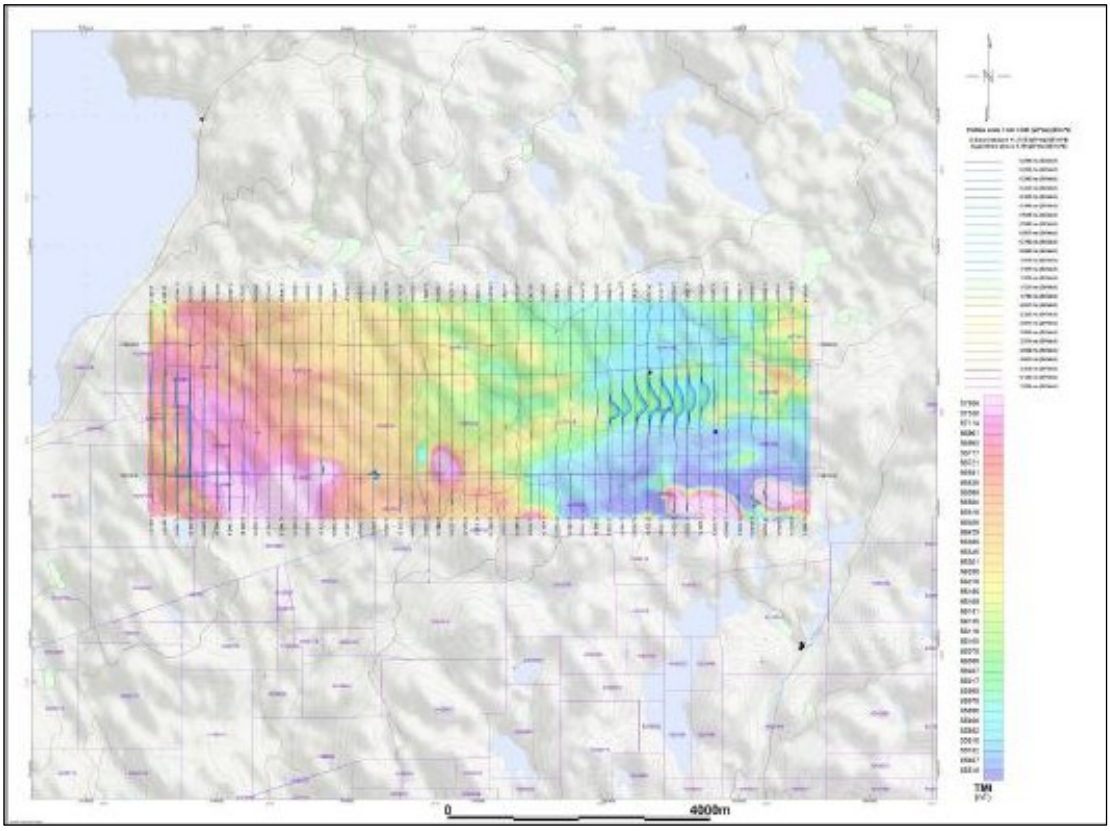

Figure 12 – Flight path survey outline and VTEM B-field Z component profiles over Total Magnetic Intensity, Pancake Lake Block.

3M ZONE DRILLING

In late 2014, Superior Copper completed a series of ground geophysical surveys (HLEM, IP and magnetics) over the 3M Zone to aid in delineating the zone of mineralization and/or identify geological controls such as structure. The HLEM survey proved ineffective, however, the IP survey was successful in outlining 18 chargeability anomalies (Figure 13). Ground magnetic data was utilized by MPH Consulting Ltd. to distinguish the lateral extent of mafic flows and identifying potential structures.

Drill hole SPC-15-03 was designed to target the most prominent IP anomaly (SC-06) at a depth of approximately 300 vertical meters. Mafic volcanic flows, with flow top breccias and intercalated sandstones. Strong argillic alteration overprinting flow top breccia units were encountered at target depth. Minor chalcocite mineralization was intersected in a flow top breccia between 201.62 and 227.33m downhole (0.47% Cu over 5.49m), which is too shallow to explain the anomaly.

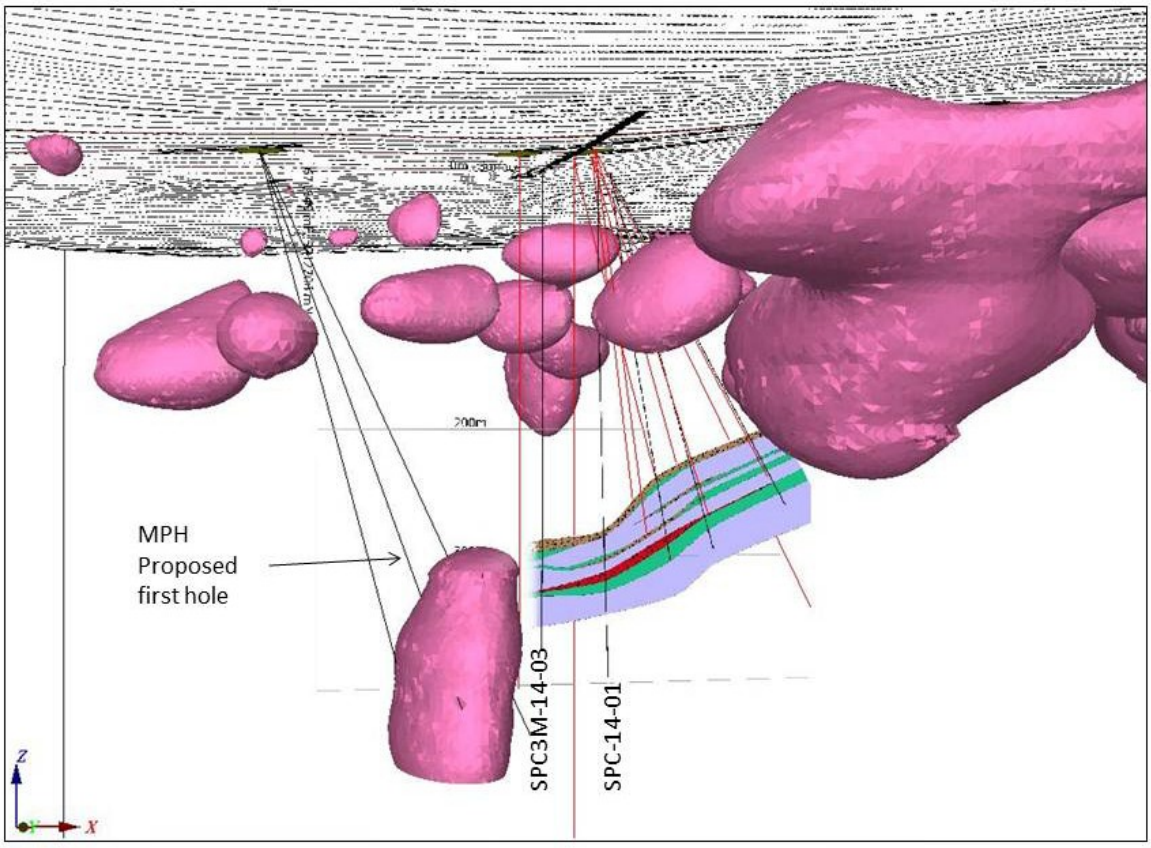

Figure 13 – 3M Zone chargeability anomalies and drill holes proposed by MPH Consulting Ltd.

DISCUSSION

Results of the 2015 regional drill program, taken in a greater geologic context, offer potentially important insights to guide future exploration. Most notably, broad zones of sulphide mineralization and magnetite alteration were discovered near the Archean-Proterozoic unconformity. Even though sampling returned results of limited economic interest, these are significant findings. More work is needed to determine the true nature of mineralization at Mamainse Point, Ontario, however, new data from the 2015 drilling continues to support the presence of large-scale magmatic-hydrothermal system with the potential to produce an IOCG-type deposit.

To the author's best knowledge, broad zones of sulphide mineralization are not common to Mamainse Point, such intervals over 368 metres and 352 metres intersected in holes SPC-15-04 and SPC-15-05 respectively. Historically, known mineralization has been confined to relatively narrow and discreet structures such vein breccia and breccia pipes. The Jogran Porphyry is the one known exception, however, mineralization in this case is confined to a relatively narrow monzonite dyke. Likewise, broad zones of elevated gold (i.e. above detection) or molybdenum have not been reported to date. Extensive low-grade mineralized halos are common to certain magmatic-hydrothermal type deposits and can be very useful in locating more prospective zones. Both SPC-15-04 and SPC-15-05 intersected sulphide mineralization over intervals greater than 400m in drill core. Furthermore, both holes have weak Cu-Mo-Au-Ag signatures throughout mineralized zones.

Also of interest are occurrences of magnetite vein breccia within, or containing abundant fragments of, felsic intrusive rock intersected in hole SPC-15-05. The only reported occurrence of structure/alteration that fits this description was by Intrepid Minerals in hole B02-01 (Mackie, 2003), also located proximal to the Archean-Proterozoic unconformity. In comparison, Fe-oxide alteration is dominated by hematite in drill holes located away from the unconformity to the west. Narrow, high grade, vein breccia with characteristics of intermediate to low sulphidation type deposits (Tortosa, 2013) are also present in the western areas of Mamainse Point, Ontario.

On a macroscopic scale, a rough zonation of structure, alteration, and mineralization is apparent at the Superior Project that shares similarities with a recent model by Richards (2013; Figure 14) comparing magmatic-hydrothermal IOCG-type deposits with porphyry deposits. The western and northern areas of the Superior Project are characterized by high-grade vein breccia commonly associated with intense hematite alteration are interpreted under this model to be the distal, epizonal portion of an magmatic-hydrothermal IOCG system. In the central area of the project, near the unconformity, magnetite breccias and extensive sulphide mineralization are interpreted as mesozonal and more proximal to the core of the system. Finally, mineralized porphyry dikes and breccia pipes of Keweenawan Age found intruding the Archean basement to the east likely represent the deeper, hypozonal portions of an IOCG system. These observations and interpretation agree with the suggestion that a large, magmatic-hydrothermal system similar to those found in association with IOCG-type deposits is present at Mamainse Point, Ontario.

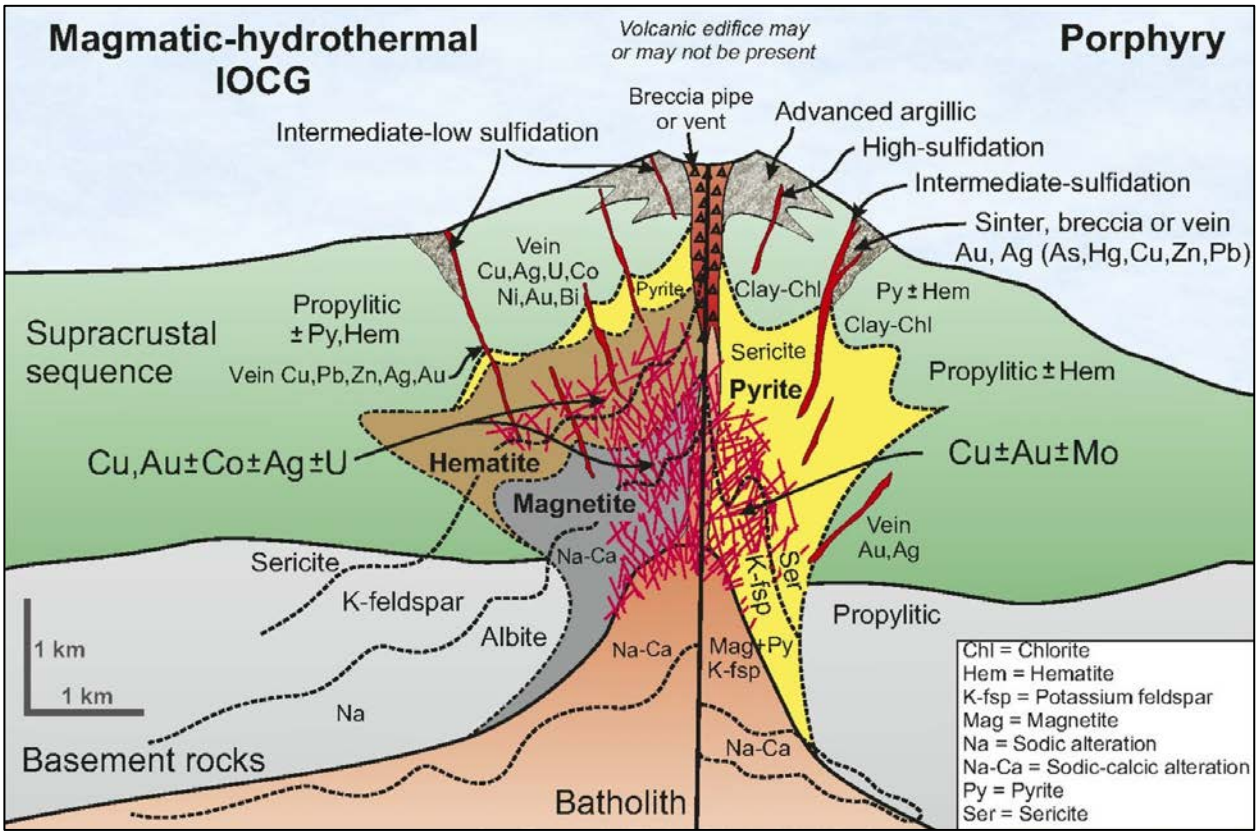

Figure 14 – A comparison of magmatic-hydrothermal IOCG-type deposits to Cu-Au-Mo porphyry deposits by Richards (2013).

RECOMMENDATIONS

One challenge of the Superior Project is the size of the area of interest, and the number of significant prospects found scattered throughout that area. Companies have three basic choices in how to explore: 1) focus on a select number of prospects, 2) carryout regional exploration, or 3) and combination of the first two options. In the past, Option 1 has led to prospects being developed as isolated occurrences, none of which have been large enough or rich enough to develop on their own. Superior Copper Corp. elected Option 2 for the 2014-2015 drill programs, which were successful in identifying new areas of interest, but fell short of making a discovery of economic significance. Option 3 is the ideal approach, but can be costly and can take time and persistence. The recommendations below include areas of interest identified from the 2014-2015 drill program, as well as general recommendations for future regional exploration programs.

LOCAL AREAS OF INTEREST

3M Zone

The 3M Zone is a strata-bound lens of chalcocite mineralization, with erratic occurrences of chalcocite found in surrounding rocks where porosity has accommodated the flow of the ore-forming fluids. Quartz-carbonate veins hosting chalcocite were rarely intersected by the drilling, but were observed at low angles to the core axis where they were found. All drill holes were drilled vertically or orthogonal to stratigraphy at an azimuth of 065° with various inclinations. Additionally, other chalcocite prospects in the area are hosted in veins and vein breccia at a preferred NNW orientation and dip to the ENE. Therefore, **it is recommended at least one drill hole be drilled at an azimuth of 225° targeting the area below the 3M Zone lens to test for feeder structures.**

Coppercorp

SPC-14-07 intersected weak to moderate sulphide +/- copper and molybdenum mineralization at depths of 1,100 metres to the end of the hole at 1,440 metres, an interval greater than 300 metres. Strong-intense alteration associated with this zone has turned conglomerate, mafic volcanic, and porphyritic intrusive rocks black with local zones displaying bright red and green colours. These rocks are also moderate-strongly magnetic and very hard. Mineralization is hosted in veins and veinlets that have similar characteristics to veins associated with porphyry copper deposits (i.e. B and C type veins) with no preferred orientation. Furthermore, multi-element ICP from this hole shows an increased frequency in anomalous copper, molybdenum, bismuth, arsenic, antimony, lead, and tin down hole. Notably, SPC-14-07 encountered a fault at 745 metres that may have offset mineralization. **It is recommended deep penetrating Induce polarization and/or magnetotellurics surveys be considered to detect any porphyry\style or IOCG\type mineralization in this area.**

Z1 Trend

SPC-14-06 and SPC-14-08 tested anomaly Z1 (Figure 8), identified by Geotech Ltd. from the 2014 ZTEM data. The holes were spaced roughly 600 metres apart along the trend of the anomaly and both intersected broad zones of fracture controlled copper sulphide mineralization. Best intercepts include 0.12% copper over 80 metres in SPC-14-06 and 0.21% copper over 25 metres in SPC-14-08. **Downhole electromagnetic or Hole\to\hole induced polarization techniques are recommended to detect zones of increased sulphide mineralization in the area.**

Gimlet Lake Area

SPC-15-04 and SPC-15-05, drilled along trend roughly 1,800 metres apart, tested a magnetic high (M3; Figure 8), with coincident to semi-coincident gravity, resistivity, and conductivity anomalies. Both holes encountered broad zones of sulphide mineralization with elevated copper, molybdenum, and gold. **It is recommended deep penetrating Induce polarization and/or magnetotellurics surveys be considered to detect any porphyry\style or IOCG\type mineralization in this area.**

REGIONAL EXPLORATION

Magnetic anomalies with semi-coincident gravity anomalies are often accredited to the discovery of IOCG deposits. The Regional Mag-High anomaly, and its association with a Proterozoic aged rift, is what initially attracted explorers to Mamainse Point in search of IOCG-type deposits. However, comprehensive and reliable gravity data for the area has never been available. In the past, gravity surveys were only possible using ground-based equipment that required grids to be cut, however, advances in airborne gravity techniology makes this method more accessible. **An airborne gravity survey covering the entire project is recommended for IOCG target generation.**

Superior Copper Corp. demonstrated that partial leach soil sampling techniques, specifically SGS Minerals' Mobile Metal Ion (MMI^{TM}) method, are able to detect the B Zone vein system (Tortosa, 2012). Viable targets at the Superior Project include narrow, strike-extensive vein systems (i.e. Coppercorp, SB Zone, and Kincaid Breccia) and broad zones of disseminated and fracture controlled sulphide mineralization. Therefore, relatively wide line-spacing for reconnaissance surveys is appropriate, but sample spacing should be kept to a minimum. Grid baselines should be oriented parallel to the preferred orientation of mineralized veins and breccia structures, approximately NNW, so that cross lines are perpendicular to potential targets. Elements analyzed should include copper, silver, gold, molybdenum, and arsenic, as well as, lead, zinc, cobalt, lithium, lanthanum, cerium, titanium, and uranium (Lilly et al., 2014).

Priority areas recommended for soil sampling:

a) The "Mine Trend", the area between the SB Zone and the 3M Zone**.**

b) The Z1 trend, where SPC-14-06 and SPC-14-08 intersected broad zones of copper sulphide mineralization, and the area immediately to the west of the Z1 trend where assumed structures are inferred to reach the surface.

c) The Archean-Proterozoic unconformity with particular emphasis given to the M3-R3-Z3 area where SPC-15-04 and SPC-15-05 intersected broad zones of disseminated and fracture controlled sulphide mineralization with weak copper-molybdenum-gold signatures.

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AUTHOR QUALIFICATIONS

D. Morgan Quinn
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Toronto, Ontario M5M 3E3
Tel: (416) 320-1466
Email: mquinn.geo@gmail.com

I, Donald Morgan Quinn do hereby certify that:

1) I am a graduate of Dalhousie University, Halifax, Nova Scotia, Canada, with an Honours B. Sc. (2009) in Geology.

2) I have more than 5 years of relevant work experience.

3) I am a Professional Geoscientist registered with the Association of Professional Geoscientists of Ontario, registration number 2423.

4) I have had prior involvement with the property that is the subject of this Report, having visited the property on numerous occasions over the past five years.

5) I acted as the Qualified Person overseeing this Diamond Drill Program initiated on January 10, 2015 and completed on May 29, 2015.

PROFESSIONAL GEOSCIENTIST
DONALD QUINN
PRACTISING MEMBER
2423
ONTARIO

D. Morgan Quinn (Honours BSc., P. Geo.)
Consulting Geologist

Dy: ("'"1.k-2t, Z.<>1f.
Date

APPENDIX A

TENURE AND EXPENDITURES

APPENDIX A.1

LIST OF UNPATENTED MINING CLAIMS

Ryan Township

1098722	3002616	4253381	4277763
1192281	3002697	4253382	4277766
1192284	3002698	4257040	4277782
1192287	3015684	4257047	
1192312	3015686	4257224	
1192314	3015687	4257225	
1192315	4243491	4260336	
1199911	4249505	4260337	
1199912	4249521	4260340	
1199984	4249522	4260341	
1234880	4249526	4260356	
1235019	4249530	4266890	
3000666	4249550	4267177	
3000714	4249946	4268677	
3000715	4250352	4269377	
3000716	4250356	4269378	
3000717	4250380	4269379	
3000718	4250381	4271684	
3000720	4250449	4271685	
3002310	4253370	4271686	
3002319	4253371	4271687	
3002320	4253372	4274737	
3002341	4253373	4277753	
3002342	4253374	4277755	
3002392	4253375	4277756	
3002398	4253376	4277757	
3002570	4253377	4277758	
3002571	4253378	4277761	
3002577	4253380	4277762	

Kincaid Township

1219611
3015689
3019475
3019477
3019478
3019479
3019480
3019481
3019482
4250353
4250354
4250355
4250417
4250418
4250419
4250420
4260334
4277411
4277414
4277415

Nicolet Township

4249520
4250358
4277412
4277413

Palmer Township

1192316
4219698
4219783
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4219798
4242596
4249511
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APPENDIX A.2

EXPLORATION PERMITS

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Ontario Ministry of Northern Development and Mines
Ministere du Developpement du Nord et des Mines

Exploration Permit/Permis d'exploration

Number/Numero : PR-13-10038

This permit is issued under the authority of section 78.3 of the *Mining Act* and the Exploration Plans and Exploration Permits Regulation (0. Reg. 308/12). It is subject to the provisions of the Act and regulation as well as the terms and conditions included in this permit.

Ce permis est emis conformement aux dispositions de section 78.3 de la *Loi sur /es mines* et des reglements et est sujet aux restrictions et dispositions de ce lois et reglements ainsi gu'aux conditions ci-enoncees

Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation or guarantee access to the land.

Remarque: La deliverance d'un permis n'exonere pas le demandeur de !'obligation d'obtenir l'autorisation de tout autre organisme, commission, gouvernement, etc. qui pourrait etre exigee, non plus qu'elle exempte le detenteur des dispositions des lois et elle ne garantit pas l'acces a la terre.

Project Details/ Details sur le projet

Project Name/ Titre du projet
Batchawana Copper Project

Qualified Supervisor/Superviseur qualifie
Judy Baker

This Permit is issued to: Ce Permis est delivre a:

Name of Permittee/Nom du detenteur:
Superior Copper Corporation

Mailing Address/Addresse postale:
130 King St. W , Toronto, M5X 1A6

To conduct an early exploration activities from/ Pour effectuer des activitees d'exploration du (yyyy/mm/dd): April 1, 2013 to: March 31, 2016

On claim/lease/licence of occupation number(s)/Sur le numero(s) du claim/bail/permis d'occupation: Claims
4260356 3002698 3000714 4250418 3002392 1235019 4260334 3015686 3019477 3002570 4260341 4250356 4249530 4250417 4266890 3015689 3002342 3019478 3002571 3000715 4250420 1192284 4260342 3002616 3019475 3002320 4249526 4260337 3019482 4268677 1192287 3015687 3000717 1199984 3019481 1192281 3019479 1098722 4260340 3002697 3002310 3000666 3002319 4257225 3002577 3002398 1199911 3000716 3015684 3019480 3000718 3000720 1199912 3002341 4260336 4250450 4219798 4250380 4250368 4249511 4219698 4249518 4250375 4250374 4250372 4250371 4250376 4250370 4249517 1192316 4243491 4249513 4267563 4250444 4242596

as per your exploration permit application date/conformement a la demande de permis d'exploration en date du: January 14, 2013

OR

as per your *amended* exploration permit application date/conformement a la demande de permis d'exploration *modifier* en date du:

for the purpose of:

[gl Mechanized Drilling (assembled weight >150kg)/ Forage mecanise (poids assemble >150 kg)
[gl Mechanized Stripping (>100m^2 in 200m radius)/ Decapage mecanise (> 100 m^2 dans un rayon de 200 m)
[gl Pitting and Trenching (>3m^3 in 200m radius)/ Creusement de tosses et de tranchees (>3 m^3 dans un rayon de 200 m)
D Line Cutting (>1.5m width)/ Decoupage des quadrillages (<1,5 m de largeur)
D Other (Early exploration activities for which Director has required a permit)/Autre (Activites d'exploration preliminaires pour laquelle le Directeur a demands un permis):

Subject to the following conditions:/Et sous les conditions suivanted:

1. The Permittee shall keep this permit or a true copy thereof on the permit area.I e detenteur conserver ace permis ou une copie conforme sur les lierux des travaux.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the exploration permit area to any inspector whenever requested by the officer.I e responsible des travaux couverts par ce permis doit produire le permis ou sa copie conforme si un inspecteur lui demande.
3. The requirements outlined in Schedule 1 of Ontario Regulation 308/2012 and applicable Provincial Standards for Early Exploration/ Les exigences generales identifier a !'annexe 1 du Reglement de !'Ontario 308/2012 et les normes provinciale relatives a !'exploration preliminaire.
4. Other terms and conditions as listed on this permit./Autres termes et conditions enoncees sur ce permis.

Place of Issue/Emis a:
SUDBURY

Issued by/Emis par:
Stephen DeVos, Director of Exploration

Date of Issue/Date emis (yyyy/mm/dd, aaaa/mmm):
2013-03-18

Signature of Director/Signature du directeur:

Additional Terms and Conditions: Nil	Autre termes et conditions:

r'):..,:

t?ontario Ministry of Northern Development and Mines
Ministere du Developpement du Nord et des Mines

Exploration Permit/Permis d'exploration

Number/Numero : PR-13-10349

This permit is issued under the authority of section 78.3 of the *Mining Act* and the Exploration Plans and Exploration Permits Regulation (0.Reg. 308/12). It is subject to the provisions of the Act and regulation as well as the terms and conditions included in this permit.

Ce permis est emis conformement aux dispositions de section 78.3 de la *Loi sur /es mines* et des reglements et est sujet aux restrictions et dispositions de ce lois et reglements ainsi gu'aux conditions ci-enoncees

Note : The Issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation or guarantee access to the land.

Remarque : La deliverance d'un permis n'exonere pas le demandeur de l'obligation d'obtenir l'autorisation de tout autre organisme, commission, gouvernement, etc. qui pourrait etre exigee, non plus qu'elle exempte le detenteur des dispositions des lois et elle ne garantit pas l'acces a la terre.

Project Details/ Details sur le projet

Project Name/ Titre du projet	Qualified Supervisor/Superviseur qualifie
Coppercorp Project	Judy Baker

This Permit is issued to: Ce Permis est delivre a:

Name of Permittee/Nom du detenteur: Superior Copper Corporation

Mailing Address/Addresse postale:
Superior Copper Corporation, Ste. 488, 2 Toronto Street, Toronto, ON MSC 2XB,

To conduct an early exploration activities from/ Pour effectuer des activitees d'exploration du (yyyy/mrn/dd): 07/31/2013 to: 07/31/2016
On claim/lease/licence of occupation number(s)/Sur le numero(s) du clairn/bail/permis d'occupation: Claims

1192312 1192314 1192315 4250353 4250354 4250355 4219783 4219784 4249520 4250358 1234880 4249505 4249521 4249522 4249550 4250352 4250381 4250449 4253370 4253380 4253381 4253382

as per your exploration permit application date/conformement a la demande de permis d'exploration en date du:
OR
as per your *amended* exploration permit application date/conformement a la demande de permis d'exploration *modifier* en date du:
for the purpose of:

[8J Mechanized Drilling (assembled weight >150kg)/ Forage mecanise (poids assemble >150 kg)
[8J Mechanized Stripping (>100m^2 in 200m radius)/ Decapage mecanise (> 100 m^2 dans un rayon de 200 m)
[8J Pitting and Trenching (>3m^3 in 200m radius)/ Creusement de tosses et de tranchees (>3 m^3 dans un rayon de 200 m)
O Line Cutting (>1.5m width)/ Decoupage des quadrillages (<1,5 m de largeur)
O Other (Early exploration activities for which Director has required a permit)/Autre (Activites d'exploration preliminaires pour laquelle le Directeur a demande un permis):

Subject to the following conditions:/Et sous les conditions suivanted:

1. The Permlttee shall keep this permit or a true copy thereof on the permit area.I e detenteur conserver ace permis ou une copie conforme sur les lierux des travaux.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the exploration permit area to any inspector whenever requested by the officer.I e responsible des travaux couverts par ce permis dolt produire le permis ou sa copie conforme si un inspecteur lui demande.
3. The requirements outlined in Schedule 1 of Ontario Regulation 308/2012 and applicable Provincial Standards for Early Exploration/ Les exigences generales identifier a !'annexe 1 du Reglement de !'Ontario 308/2012 et les normes provinciale relatives a !'exploration preliminaire.
4. Other terms and conditions as listed on this permit./Autres termes et conditions enoncees sur ce permis.

Place of Issue/Emis a:
SUDBURY

Issued by/Emis par:
Clive D. Stephenson, P.Geo., Director of Exploration

Date of Issue/Date emis (yyyy/mrn/dd, aaaa/mm/jj):
7/31/2013

Signature of Director/Signature du directeur:

Additional Terms and Conditions: Nil	Autre termes et conditions:

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t?ontario Ministry of Northern Development and Mines
Ministere du Developpement du Nord et des Mines

Exploration Permit/Permis d'exploration

Number/Numero : PR-14-10541

This permit is issued under the authority of section 78.3 of the *Mining Act* and the Exploration Plans and Exploration Permits Regulation (0. Reg. 308/12). It is subject to the provisions of the Act and regulation as well as the terms and conditions included in this permit.

Ce permis est emis conformement aux dispositions de section 78.3 de la *Loi sur /es mines* et des reglements et est sujet aux restrictions et dispositions de ce lois et reglements ainsi gu'aux conditions ci-enoncees

Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation or guarantee access to the land.

Remarque: La deliverance d'un permls n'exonere pas le demandeur de l'obligation d'obtenir l'autorisation de tout autre organisme, commission, gouvernement, etc. qui pourrait etre exigee, non plus qu'elle exempte le detenteur des dispositions des lois et elle ne garantit pas l'acces a la terre.

Project Details/ Details sur le projet

Project Name/ Titre du projet	Qualified Supervisor/Superviseur qualifie
Superior Project	Donald Quinn

This Permit is issued to: Ce Permis est delivre a:

Name of Permittee/Nom du detenteur: Superior Copper Corporation

Malling Address/Addresse postale:
Superior Copper Corporation, Ste. 301, 141 Adelaide, Toronto, ON M5H 3L5

To conduct an early exploration activities from/ Pour effectuer des activitees d'exploration du (yyyy/mm/dd): 07/23/2014 to: 07/23/2017

On claim/lease/licence of occupation number(s)/Sur le numero(s) du claim/bail/permis d'occupation : Claims
4253371 4253372 4253373 4253374 4253375 4253376 4253377 4253378 4257040 4257047 4267178 4267564 4269377 4269378 4269379 4271684 4271685 4271686 4271687 4274737 4277782 4267177

as per your exploration permit application date/conformement a la demande de permis d'exploration en date du:
OR
as per your *amended* exploration permit application date/conformement a la demande de permis d'exploration *modifier* en date du:
for the purpose of:

[8] Mechanized Drilling (assembled weight >150kg)/ Forage mecanise (poids assemble >150 kg)
[8] Mechanized Stripping (>100m^2 in 200m radius)/ Decapage mecanise (> 100 m^2 dans un rayon de 200 m)
D Pitting and Trenching (>3m^3 in 200m radius)/ Creusement de fesses et de tranchees (>3 m^3 dans un rayon de 200 m)
D Line Cutting (>1.5m width)/ Decoupage des quadrillages (<1,5 m de largeur)
D Other (Early exploration activities for which Director has required a permit)/Autre (Activites d'exploration preliminaires pour laquelle le Directeur a demande un permls):

Subject to the following conditlons:/Et sous les conditions suivanted:

1. The Permittee shall keep this permit or a true copy thereof on the permit area.I e detenteur conserver ace permis ou une copie conforme sur les lierux des travaux.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the exploration permit area to any Inspector whenever requested by the officer.I e responsible des travaux couverts par ce permis doit produire le perm ls ou sa copie conforme si un inspecteur lui demande .
3. The requirements outlined in Schedule 1 of Ontario Regulation 308/2012 and applicable Provincial Standards for Early Exploration/ Les exigences generales identifier a l'annexe 1 du Reglement de !'Ontario 308/2012 et les normes provinciale relatives a !'exploration preliminaire.
4. Other terms and conditions as listed on this permlt./Autres termes et conditions enoncees sur ce perm ls.

Place of Issue/Emis a:
SUDBURY

Issued by/Emis par:
Clive D. Stephenson, P.Geo., Director of Exploration

Date of Issue/Date emis (yyyy/mm/dd, aaaa/mm/jj):
7/23/2014

Signature of Director/Signature du directeur:

Additional Terms and Conditions:	Autre termes et conditions:
Nil	

APPENDIX A.3

SUMMARY OF EXPENDITURES

Summary of Expenditures

Drill Hole	Claim No.	Permit	Start	Completed	Days	Meters	Drilling Cost	Geology [1]	Camp [1]	Travel [1]	# of A
SPC&15&01	1199911	PR&13&11038	12&Jan&15	20&Jan&15	8	760	$79,628.09	$24,548.29	$7,669.35	$2,118.43	
SPC&15&02	1199911	PR&13&11038	31&Jan&15	4&Feb&15	4	299	$31,210.43	$12,274.14	$3,834.68	$1,059.22	
SPC&15&03	3019482	PR&13&11038	7&Feb&15	15&Feb&15	8	452	$40,203.20	$24,548.29	$7,669.35	$2,118.43	
SPC&15&04	4253375	PR&14&10541	8&Mar&15	14&Mar&15	6	853	$89,149.13	$39,890.97	$12,462.70	$3,442.45	
			6&Apr&15	13&Apr&15	7	&	&				
SPC&15&05	4249946	N/A	15&Mar&15	5&Apr&15	14	128	~~$11,043.51~~	~~$5,376.50~~	~~$1,679.72~~	~~$463.97~~	
	4253378	PR&14&10541	&	&	&	837	$72,504.23	$35,298.48	$11,027.92	$3,046.13	
	4253374	PR&14&10541	&	&	&	54	$4,692.48	$2,284.52	$713.73	$197.15	
						1019	*$88,240.22*	*$37,583.00*	*$13,421.37*	*$3,707.25*	
SPC&15&06	4250355	PR&13&10349	24&May&15	29&May&15	5	435	$50,101.77	$15,342.68	$4,793.35	$1,324.02	
					52	3,818	$367,489.32	$154,187.38	$48,171.07	$13,305.83	

1) Distribution of costs weighted by number of days.

2) Distribution of combined sample analysis and shipments costs weighted by the number of samples taken.

APPENDIX B

1 : 25,000 SCALE DRILL HOLE LOCATION MAP

669000 672000 675000 678000 681000 684000 687000

5215000 5212000 5209000 5206000

N

SPC-15-06

SPC-15-03

SPC-15-01 / SPC-15-02

SPC-15-05

SPC-15-04

4250419 4250420 4250418 1242854 1235111 4250417 4260334 4277411 4277412 4277413 4202433 4249520 4250355 4260336 4277414 4277415 3019475 1226086 4250358 1226087 3015689 4250353 3019477 3019478 3019479 4257225 4250354 4219783 1219611 3000720 3019480 4250352 1192314 1192315 3002341 3002398 3019481 3019482 3002698 3015686 1192287 1192312 4219784 3002310 1199912 1098722 3000718 3002319 1192281 4250376 4250375 1235019 3002320 3002616 4253381 4253382 4253370 4249522 4250449 3002342 4249521 3000717 3000666 3015684 3002570 3002571 3000714 3002697 4250368 4219698 4249511 4253380 4249505 4250381 4250380 4250444 1199911 1199984 4253376 4249518 4249550 4257224 1234880 1192316 4277753 3002392 3000715 3000716 4253371 4250450 4253378 4249946 4253375 4253377 4260340 4243491 4249513 4249517 4219798 4253373 4266890 4260341 4277756 4277757 4268677 4249530 4253374 4267178 4277755 4277758 4249526 4267563 4249410 4250356 4260356 4253372 4267177 4249408 4277761 4277762 4260337 4257047 4269377 4269378 4269379 4274737 4242596 4249411 4277763 4257040 4271685 4277766 4271686 4271687 4277782 4271684

Legend

- Claim Boundary
- Unpatented Claims
- Inclined DDH
- Vertical DDH
- Lake Superior

0 1 2 3 Km

APPENDIX C.1

LITHOLOGY LEGEND & ABBREVIATIONS

Lithology Codes

CODE	LEGEND
	PROTEROZOIC
8	**MAFIC INTRUSIVES- undivided**
8a	Mafic (diabase?)sill/dyke; highly magnetic
8b	Pyroxenite-gabbro - highly magnetic, chilled margins
8c	Mafic Feldspar Porphyry Dyke
7	**FELSIC INTRUSIVES- undivided**
7a	Feldspar Porphyry
7b	Quartz Feldspar Porphyry
7c	Felsite
7d	Granodiorite
6	**Mixed Sediments & Volcanics Contact Zone (flow top breccia)**
5	**CLASTIC SEDIMENTS - undivided**
5a	Chert
5b	Siltstone
5c	Sandstone
5d	Interbanded Siltstone & Sandstone
5e	Pebble Sandstone
5f	Conglomerate - Polymictic
5g	Conglomerate - Basalt clasts
4	**FELSIC VOLCANICS - undivided**
3	**INTERMEDIATE VOLCANICS - undivided**
2	**MAFIC VOLCANICS - undivided**
2a	amygdaloidal
2b	sparsely amygdaloidal
2c	chlorite flecked/amygdaloidal
2d	massive, aphanitic to fine grained
2e	ophitic - Ca-plagioclase dominant, fg-mg
2f	ophitic- patchy (<5%) pegmatoidal
2g	gabbroic; mg-cg massive flow
2h	volcanic fragmental
2i	daisey stone (glomeroporphyritic)
2p	porphyritic
1	**ULTRAMAFIC VOLCANICS - undivided**
1a	massive, cummulate

ARCHEAN

a8 Archean Mafic Dyke- undivided
a2 Archean Felsic Intrusive- undivided
a1 Archean Mafic Volcanics- undivided

Shorthand	Longhand

Mineralization

cpy, cp	chalcopyrite
cc	chalcocite
bn	bornite
py	pyrite
nc	native copper
Cu	copper
Mo	molybdenite
hem	hematite
spec hem, spec H	specular hematite
epd, ep	epidote
qtz	quartz
carb, cb, c	carbonate
calc	calcite
qch	quartz-carbonate-hematite
chl, chlor	chlorite
alt	alteration
sil	silica
mt	magnetite
kspar	potassium feldspar
ferro mag, fe-mg's	ferro-magnesium minerals
plag	plagioclase
alb	albite
amph	amphibole
act	actinolite
lim	limonite

Structure

CBrFZ, CBrZ	calcitic brittle fracture zone
DZ	damage zone
CZ	core zone
FZ, FrZ	fracture zone
vnlt	veinlet
vn, v	vein
jt	joint
TCA	to core axis
ca	core axis
sub //	sub-parallel
//	parallel
x, x-cutting	cross-cutting to bedding
(ok)	along bedding
bx, bxa	breccia, brecciated
ff	fracture fill

hl	hairline width
frac	fracture
str	stringer
stwk	stockwork
V1	generation of veins
S0	first order structure (bedding)
lc	lower contact
uc	upper contact
qv, qtz vn	quartz vein

Descriptive

wk	weak
mod	moderate
str	strong
fg	fine grained
mg	medium grained
cg	coarse grained
pk	pink
brn	brown
gn, grn	green
amy, amyg	amygdule
seds	sediments
wr	wallrock
tw	true width
tr	trace
diss, dss	disseminated
mag, mt	magnetic
dk	dark
cgl	conglomerate
rx, rk	rocks
pheno	phenocryst
predom	predominantly
inc	increased
dissems	disseminations
perv	pervasive
incl	included
irr	irregular
frags	fragments
v	very

APPENDIX C.2

DIAMOND DRILL LOGS

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-01**	Regional ZTEM Resistivity High	Orbit Garant Inc.	M. Quinn

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
	January 12,2015	January 20, 2015	760.1

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T			

	DEPTH	DIP	AZIMUTH
	COLLAR	-45	50

COMMENTS

Downhole survey not recorded.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
0.00	5.00		OVB	Casing.
5.00	14.00	2a	Mafic Volcanic	Blocky/rubble mafic volcanics 2a-2d. 13.75 m: Ep-Qtz-Cpy vn. 25 TCA (?)
14.00	19.00	2a	Mafic Volcanic	Amygdaloidal basalt. Amyg. fill Ep-Qtz, minor carb, trace Cpy.
19.00	28.40	2d	Mafic Volcanic	Massive Basalt. Moderately magnetic. Weak Ep alt marginal to fractures and amyg. 20.45 m: 2cm coarse Chl-Mt-Cpy vn. Cpy at margins and in WR. Mod weathering at joint. 15 TCA 22.50 m: 3cm coarse Chl-Qtz-Mt-Cpy vn. Minor malachite, Ep alt. at margins. 30 TCA. 28.60 m: 1cm healed fault. Brn matrix with minor bx. Ep-Qtz + Cpy-Spec-CC. ~ 90 TCA.
28.40	44.50	2a	Mafic Volcanic	Abundant amygdules. Amyg. fill pistachio-pale grn ep. Weak pervasive ep alt, intermittent. Weakly magnetic. 30.00-30.30 m : Ep vning/frac, 3 principal vns. 40 TCA. 30.27 m: Strongly weathered vn. Ep alt. Hosts Cpy-Spec, minor mal. 10 TCA
44.50	65.42	2g	Mafic Volcanic	Gabbroic texture. Rare, moderate-pervasive ep alt. Moderately magnetic. Flatten/strectched layers of amyg occur regularly throughout, chalcedony + rare spec fill, hem alt at margins, flat TCA. 65.38 m: Cpy blebs in amyg. base of unit (last 30cm).
65.42	67.60	6	Mixed seds/volcanic	60% sediments, fine grain, brown (slightl red hue). 40% amyg basalt, pale ep fill. Weak-non magnetic.
67.60	73.46	2b	Mafic Volcanic	Amyg occur in clusters/layers. Tr Cpy-Bn in amyg. from 68.0m-70.0m. Moderately magnetic. 68.0m-70.0m: Tr Cpy-Bn in amyg. 71.25 m: 2cm fracture with fine grain grn-gry fill and minor bx. Cpy occurs in qtz vns at margins. Sub // TCA.
73.46	79.20	2b	Mafic Volcanic	Amyg. occur in clusters, moderate intermittent/pervasive ep alt. Amyg. fill ep and a siliceous pink-orange mineral.
79.20	89.33	6	Mixed seds/volcanic	Pebbly sandstone at top of unit, grades to fine sandstone-siltstone. Clasts of volcanics, rounded and angular. Overall, grey-brown-cream-red colour.
89.33	95.50	2h	Hybrid Volcanics	Mottled appearance, Pink/red-green-black. Relatively abundant silica content, occurs as nodules in the matrix. Ep (green) occurs in matrix and possibly biotite (?, black). Non magnetic.
95.50	104.20	7a	Feldspar Porphyry	Slightly porphyritic intermediate volcanic. Pheno's upto 2mm. Med-dark grey with slight reddish hue. Non-magnetic.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
104.20	126.22	7a	Feldspar Porphyry	Brecciated. Bright red WR, bright green Ep matrix/ff. Numerous 1-2mm fractures with ep fill, 75-90 TCA. CZ between 113.5-119.5m, principal structures at 30 TCA. 118.70-119.40m: dss Cpy-Py in Ep vns/ff. WR is black, mafic volcanic or Mafic Dyke? Lower "contact" is at 30 TCA.
126.22	135.75	2d	Mafic Volcanic	Massive Basalt with minor chlorite flecks/amyg fill. CBrz/Ep bx vn from 127.0-128.0m. DZ - Strong carb-ep vning from 131.35-135.75m, trace-1% Py associated with vns. Dominant angle at 10 TCA.
135.75	227.83	2d	Mafic Volcanic	Massive basalt, fine-medium grain, possible mafic dykes within interval. Mostly fresh, rare weak intermittent ep alt. variable weak-strong magnetics. Trace-1% Py occurs throughout, commonly marginal to black chl +/-Ep-Qtz veins. Structures: Numerous Ep-Qtz +/- Cpy (Tr-1%) Vns, preferential to top of unit, generally occur in clusters, rare minor breccia, common dip at 50 TCA; Numerous Chl-Qtz-Py +/- Cpy (Tr-1%) vns throughout, chl is jet black, Mx in and marginal to veins, common dip at 0-20 TCA. 136.50-139.06m: Ep-Qtz-Cpy vning. Tr -1% Cpy in vns. Numerous 1mm vns spaced 10cm on average. CZ at 138.7-139.0. Common dip at 50 TCA. 140.0-227.0m: Narrow Chl-Qtz +/- Py vns occur throughout. Py occurs in and dss marginal to vns. Avg < 1cm, sometimes swell up to 2cm width. Dominantly sub-paralelle TCA. 183.22-184.06m: Ep-Qtz-CC vn. Ep pref. to margins. Qtz pref. to core, pink-red. CC occurs as blebs upto 1cm. At 20 TCA. 189.6-190.3m: CBrZ. Brecciated, hem alt WR. 50 TCA. 187.35-187.70m: Partial Ep-Qtz-CC vn. Sub-paralelle TCA (discretionary). 227.33-227.83m: Ep-Chl-Cpy vns at base of unit. Minor Bn.
227.83	231.88	2a	Mafic Volcanic	Amygdaloidal basalt. Strong Hem +/- Ep and Chl alt, weak-mod argillic alt from 228.18-228.53m. Non-moderately magnetic, non mag in alt areas. 228.83-229.18m: FG CC dss throughout, more concentrated at margins of zone. Upto 5%, but some maybe smear or drill steel. 228.98-229.35m: Mafic dyke. Non magnetic. Ep-Chl bx in core, 3cm. Sharp contacts at 70 TCA.
231.88	238.16	2c	Mafic Volcanic	Massive basalt with chlorite flecks. Fine-coarse grain. Mod magnetic. 233.19m: 0.5 cm Ep vn cut by 1cm milky white qtz-carb vn. Dips opposite to one another, 35 and 30 TCA respectively.
238.16	251.58	2a	Mafic Volcanic	Series of amygdaloidal basalt flows with minor flow top bx. Strongly alt, hem in ground mass, Ep intermittently pervasive and rimming chl filled amyg. Large amyg and stronger alt at flow tops. Mod mag randomly, non mag in areas of pervasive ep alt.
251.58	255.20	2h	Hybrid Seds/Volcanincs	Intense ep-carb alt. Increase in hem and decrease in carb downhole. Weak argillic alt in last meter.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
255.20	261.70	2a	Mafic Volcanic	Amygdaloidal basalt, amyg not overly abundant and occur in clusters. Moderate, pervasive hem alt adjacent to Ep-Chl-CC veins. Moderately magnetic in unaltered areas. 258.35-261.70m: Ep-Chl-CC vn to vn-bx. Tr CC occurs as coarse blebs upto 2cm, most are <1cm. 0-10 TCA.
261.70	271.44	2g	Mafic Volcanic	Gabbroic texture. Med-coarse grain, grades to fg at base. Moderate mag. 262.70-263.00m: 5-10% Cpy dss in WR over 10cm, semi-massive cpy over 10cm, followed by 10cm of chl vn. Tr-1% dss cpy occurs up to 1m on either side. Vn at 30 TCA. 267.15m: Ep-chl-cpy vn. Tr cpy, weak mag.
271.44	278.88	2a	Mafic Volcanic	Series of Amygdaloidal basalt flows. Strongly Ep-Hem alt at flow tops, hem is a blood red and siliceous (?, hard to scratch). No mag in altered zones, alt decreases and mag increases toward each flow base. 271.76-272.06m: Tr Bn-CC in amyg in strongly ep alt flow top. 277.58-278.58m: Tr-1% CC in ep-chl vns. Frequent splays or vn-bx development. CC alos occurs in amyg adjacent to vn.
278.88	288.13	5	Sandstone	Numerous thin (<10cm) beds, mostly sand and silt stone. Grain size grades from pebbly sandstone to siltstone at base. In general, coarser sandstone beds are strongly ep alt, siltstone beds are a burgundy red. Occasionally, sandstone beds host finely dss spec.
288.13	293.39	2h	Hybrid seds/volcanic	? Strongly deformed and altered rock. Mix of seds and igneous rock. Overall colour red-black-cream.
293.39	298.84	2h	Hybrid seds/volcanic	? Strongly deformed and altered seds/volcanics. Overall colour is a mix of green and purple. Rock is slightly waxy to the touch.
298.84	312.27	7a	Quartz Feldspar Porphyry	Feldspar/Qtz pheno's up to 3mm. Bleached margins from 298-302m and 308.5-312.27m, reddened core. Minimal structure, Qtz-Carb +/- Spec. Non magnetic. Contacts at 40-50 TCA. 306.55-307.00m: three 0.5cm Qtz-Carb vns over interval. 20 TCA. 307.31m: 0.2cm Qtz-Carb-Spec vn. 20 TCA.
312.27	371.23	4	Rhyolite	Flow banding, no orientation (swirls, folds, etc.). Overall purple colour. Alt from 335.4-339.7m has turned rock yellow. Crystaline-waxy epidote +/-spec in silica rich layers and cavity fill. Non magnetic 350.82m: 3cm vuggy qtz-carb vn (+hem?, brown coating in vugs). 30 TCA. 347.95m: 1cm vuggy qtz-carb vn. 15 TCA. 366.22m: 2cm Qtz vn with waxy ep development at margins. 50 TCA.
371.23	380.81	7	Rhyolite	Massive, no flow banding. Colour is buff with slight green and grades to pink/red towards base. Non magnetic

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
380.81	394.80	7	Pyroclastic	Pyroclastic?. Clasts of rhyloite in fg, siliceous ground mass. Pink-buff-green-cream colours. Non magnetic
394.80	399.46	2h	Hybrid seds/volcanic	? Strongly deformed and altered seds/volcanics. Overall colour is a mix of green and purple. Rock is slightly waxy to the touch. Non magnetic
399.46	461.10	5	Conglomerate	Basalt clasts, 1.0-20.0 cm, subrounded, variable weak-moderate alt ep-hem, less alt clasts sometimes moderately magnetic. Groundmass is mod-strongly ep alt, pervasive. Chl alt intro at 457m. 459.0-459.5m: Tr-1% spec (maybe CC?) in clasts, Tr overall.
461.10	474.14	2a	Mafic Volcanic	Amygdaloidal basalt. Amyg fill Ep-Chl-Pk silicate +/- CC, minor Bn and Cpy. Weak Bt or Mt alt (?), brown patches throughout. Moderately magnetic. 473.48m: Massive Mt + Tr-1% CC. Strong Chl alt at margins. Irregular shape. 70 TCA (?).
474.14	487.30	2d	Mafic Volcanic	Massive Basalt. Weakly brecciated, FF is ep-pk silica (Kspar or Hem?) +/- Tr Cpy +/- CC occurs. Mt alt up to 1.0 cm marginal to fractures/vns. Moderate-strongly magnetic. 474.14-487.30m: Breccia, weak. Dominant fracture orientation 20 TCA.
487.30	493.24	2a	Mafic Volcainc	Massive Basalt. Abundant amygdules at flow top over 1m, strong ep alt, CC-Spec in amyg. Mt alt in flow top and maginal to Ep-Chl structures throughout. Moderately magnetic overall.
493.24	503.97	5	Conglomerate	Strong variable ep-hem alt of clasts, sub-rounded, upto 10 cm. Non magnetic.
503.97	505.80	5	Siltstone	Beds are white, slightly pink cream, grey, and green. Non magnetic. S0 at 55 TCA.
505.80	508.47	7	Breccia	, Possible conglomerate. Appears to contain remant clasts of rholite and basalt. Strong Ep alt. Colour grades from cream-pink-green to purple-burgundy-grey. 500.25m: two bladed Qtz-Carb vns, weak hem alt an margins. 2-3cm each. 20 TCA. 506.70m: Bladed qtz-carb vn, weak hem alt. 20 TCA.
508.47	514.14	7	Breccia	Increased silica content, forms a weak matrix with moderately abundant chl, hem, and ep. Silica content increases to 50% in a few zones with smaller clasts, 5-10cm. Tr Spec in rare remant basalt clast. Dominant rock/clast are flow-banded rhyolite.
514.14	518.50	7a	Quartz Feldspar Porphyry	20% Quartz, phenos upto 0.3cm. Felspar pheno's less abundant, upto 0.3cm. Red core, grades to cream-pink at margins. Bleaching upto 0.5m marginal to jointing at 60 TCA with white, chalky fill that does not effervesce with acid. 514.10m: Sharp upper contact at 60 TCA. 518.50m: Sharp, slightly irregular lower contact at 50 TCA.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
518.50	533.20	???	Breccia	Same as 508.47-514.14m.
533.20	535.47	2d	Mafic Volcanic	Massive basalt. Strong Ep alt at upper and lower contacts. Overall non magnetic, single 10cm interval is weak-moderately magnetic. 533.20-534.95m: Series of 0.5 cm qtz-carb vns at 10 TCA.
353.47	538.65	7	Rhyolite	Fg, massive. Weakly brecciated? Similar qtz-chl-ep nodules and discontinuos vns. Strong pervasive hem alt has turn rock red, appears felsic origin. Non magnetic.
538.65	548.10	2d	Mafic Volcanic	Strong qtz-carb-hem vning increases toward base, brecciated in places. Quartz become increasing vuggy toward base. Coarse, bladed-dogtooth qtz-carb-hem vn at base, roughly 30-40cm TW. Non magnetic. 542.81m: Vuggy Qtz-Carb vn, 3cm, 40 TCA. 543.47m: Vuggy Qtz-carb vn, 3cm, 30 TCA. 545.10-545.87m: Brecciated rock, red hem in FF. 547.15-547.72m: Coarse bladed Qtz-Carb-Hem vn. Dogtooth textures at upper margin. 30 TCA.
548.10	565.49	7	Breccia	Silimar to 508.47-514.14m: Increased silica and chl-ep-spec. Silica content and matrix volume increases toward base. Chl and spec commonly occur in similary sites and similar habit suggests replacement. Non magnetic. 561.62-262.40m: Matrix supported breccia. Quartz matrix. 562.28m: Hem-Carb-Ep vn. Hem in core, then carb, then ep at margins. 15 TCA. 265.17-265.89m: Matrix supported breccia. Quartz matrix.
565.49	588.08	7	Rhyloite	Similar to 353.47-538.65m. Non magnetic. 575.60m: Chl-ep vn. 5-10 TCA.
588.08	594.60	7a	Quartz Feldspar Porphyry	10% Qtz, pheno's upto 0.5 cm. Feldspar pheno's upto 0.2cm. Ep alt and bleaching marginal to jointing. Dominant joint orientation at 40 TCA.
594.60	606.93	7	Rhyolite	Overall red colour, ep alt forming in between flow bands. Spec hem occurs in fracture fillings. Non magnetic.
606.93	608.67	7a	Quatrz Feldspar Porphyry	Quartz pheno's upto 0.3cm, Feldspar pheno's upto 03.mm. Moderate ep alt has turned rock a pale green, gets weaker from 608m to 608.67m. Non magnetic.
608.67	624.93	7	Rhyolite	Weak fabric (orientation varys), slightly porphyritic. Moderate ep and hem alt has turned rock a mix of red-pink-green-yellow. Non magnetic. 628.45-628.93m: Brecciated rock, carb stockwork. 628.93m: fault gouge over 1.5cm, Pale green. At 60 TCA.
628.93	628.85	7	Andesite	Based on darker colour, rock is green-grey with with 0.1 cm white-pink phenos. Weak to moderate carb vning, increases toward base.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
628.85	645.75	7	Rhyolite	? Massive, fg, siliceous rock. Moderate fracturing/vning, ep fill and alt marginal to fractures/vns. 631.40-431.85m: Ep-chl-hem vn (?), WR is reddened and fracturing increases leading up to this zone. Black fill, chl (bt?). 25 TCA. 431.85-465.75m: Numerous chl-ep vns and fracture fillings. Two dominant orientations, a)paralelle TCA and b) 30 TCA. 644.25-644.80m: Qtz-Ep-Chl-Hem vn or hydrothermal horizon. "Contacts" at ~30 TCA.
645.75	654.56	7a	Quartz Feldspar Porphyry	Quartz pheno's up to 0.5cm. Felpsar pheno's up to 0.5cm, sericitized/turned to clay. Pale green colour with pale pink intermittently. 646.5-646.7m: Tr CC. tiny blebs, >1mm, confirmed Cu content with portable XRF analyzer. 645.75m: Upper contact at 60 TCA. 654.50m: weak shear fabric at base. 60 TCA.
654.56	655.84	7	Rhyolite	Continuation from previous unit 628.85-645.75
655.84	656.54		Intermediate Porphyry	Dark grey, fg ground mass. Pink feldspar phenos up to 1.0 cm, increase abundance toward base. Tr Py commonly intergrown with pheno's.
654.54	665.35	7a	Quartz Feldspar Porphyry	Abundant pheno's (40%). Quartz pheno's up to 0.5 cm. Feldspar pheno's more abundant, up to 1.0cm, strongly alt to clay (sericite?). 654.54m: Upper contact at 30 TCA. 665.35m: Lower contact at 30 TCA.
665.35	666.60	2d	Mafic Volcanic	Simlar to 655.84-656.54m but no feldspar pheno's. 666.32m: 0.5 cm porphyry dikelet. Fg pink graoundmass with 0.4cm quartz pheno's. 60 TCA. 666.6m: lower contact at 40 TCA.
666.60	669.70	7	Rhyolite	? Massive, fg, siliceous rock. Similar to 628.85-645.75m. Moderately fractured with chlorite fill. 669.7m: Lower contact at 25 TCA.
669.70	673.90		Breccia	Chlorite-carbonate matrix, minor hem. Fg, massive, pale grey, siliceous clasts. 672.14-672.34m: three ankerite veins. 7cm, 2cm, and 1cm. At 40-50 TCA.
673.90	675.05	7a	Quartz Feldspar Porphyry	Faulting evident by off set veins and healed gouge. Moderate alt, feldspar pheno's alt to carb.
675.05	676.78	2d	Mafic Volcanic	? Strong pervasive hem alt has turned rock dark red-purple obscuring original text. Kspar porphyroblasts marginal to carb veins, CC blebs (<1mm) in core. Rare green patches in carb vns returns Cr when tested with XRF analyzer.
676.78	677.98	7a	Quartz Feldspar Porphyry	Pheno's up to 0.3cm alt to carb.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
677.98	679.71	2d	Mafic Volcanic	? Similar to 675.05-676.78m.
679.71	682.89	2d	Mafic Volcanic	Massive Basalt. Relatively unaltered. Hem alt increase toward top, non magnetic. Overall unit is moderately magnetic.
682.89	684.84	7a	Contact zone	Strong ep-hem alt, rock is a mottled green-purple. Non magnetic. 682.89m: healed fault contact, at 25 TCA.
684.84	690.62	7	Feldspar Porphyry	Moderately sheared over 1.5m at contacts. Feldspar pheno's up to 1.0cm long. Pervasive Ep (green) alteration. 685.84-686.84m: Sheared contact, fabric starts at 25 TCA and goes to 50 TCA. 688.67-690.62m: Sheared contact, fabric starts at 25 TCA and goes to 15 TCA.
690.62	692.78	7	Breccia	Similar to 669.7-673.9m. Moderate-strongly fractured. More hematite-magnetite in matrix/fractures/vns. Clasts/country rock is siliceous, more red than previous "breccia" unit. 691.37-691.57m: CZ. 4cm carb-chl-hem-mt vn at 40 TCA.
692.78	698.58	2a	Mafic Volcanic	Amygdaloidal basalt. Strong pervasive hematite alt. Amyg fill ep-spec hem. Moderate-strong Mt-hem vning. 694.90-695.40m: CZ. Two massive Mt-hem vns. XRF analyzer returned up to 1500ppm cobalt and trace Mo and Bi. Vns are 2cm and 4cm, multiple 0.5-1.0 cm peripheral. Two principal vs are connected by a splay sub // TCA. Vns at 50 TCA.
698.58	712.45	2d	Mafic Volcanic	Massive Basalt, possilbe mafic dyke. Arbitrary upper contact, gradational. CBrZ vning and incre4ased hem alt from 704.10 to base. Moderately magnetic from 698.58-704.10m, non magnetic from 704.10-712.45m. 707.50-708.50m: CBrZ CZ, at 20 TCA.
712.45	719.55	2a	Mafic Volcanic	?, possible remnant amyg. Rock is very hard, very siliceous, and red. "Amyg" fill ep, ep also occurs as frac fill. 717.22-712.45m Ep-carb-lim vn. Increased silica/bleaching alteration at margin. Looks as if it once contained sulphide/oxides that have been weathered out. XRF analyzer returned upto 400 ppm Cu. At 50 TCA.
719.55	721.28	2d	Mafic Volcanic	Possilbe mafic dyke. Kspar pheno/porphyroblasts increase in size and abundance toward base. Weakly magnetic intermittently. 719.55-719.65m: 1cm porphyry dikelet. Truncated/cutoff by upper unit, appears similar phase as lower unit. At 15 TCA.
721.28	728.05	7a	Quartz Feldspar Porphyry	Feldspar pheno's up to 1.5 cm. Quartz up to 0.5cm. Felspar become increasing altered toward base. Turned to carbonate from 725m to base. Overall colour changes from grey-green with pink-red phenos to red with white pheno's 728.05m: Lower contact at 30 TCA.
728.05	729.40	2d	Mafic Volcanic	Possibly mafic dyke. Magnetic where not altered.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
729.40	740.70	7	Rhyolite	Flowbanded, orientation varies. Moderately abundant spec hem. Cut by carb veins that occasionally host Tr CC. , common orientation 35 TCA. 734.56m: 1mm carb vein, Tr CC. At 35 TCA. 736.82m: two 1mm carb vns with tr CC. at 35 TCA.
740.70	760.10	7	Rhyolite	Flow banding intermittent, different flows? Dominantly massive, fine-medium grain, red. 743.82m: Carb vn with white porphyroblasts/replacements marginal to vn, up to 20cm, do not effervesce with acid. Vn at 20 TCA. 751.43-752.35m: Three 1.0cm carb-pk silica vns. Tr CC as tiny (<1mm) blebs in at least one vn. At 25 TCA.
	EOH			755.95m: 2cm Carb vn with Tr CC as tiny blebs. ~ 20 TCA.

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319101	13.45	13.8	0.35
R319102	14.88	15.88	1.00
R319103	15.88	16.88	1.00
R319104	16.88	17.88	1.00
R319105	17.88	18.38	0.50
R319106	18.38	19.38	1.00
R319107	20.35	20.65	0.30
R319108	Blank		
R319109	22.33	22.65	0.32
R319110	27.43	27.73	0.30
R319111	28.41	28.71	0.30
R319112	30.6	31.1	0.50
R319113	31.1	31.5	0.40
R319114	31.5	32	0.50
R319115	68	69	1.00
R319116	CM,36		
R319117	69	70	1.00
R319118	116	117	1.00
R319119	118.65	119.42	0.77
R319120	131.72	132.72	1.00
R319121	132.72	133.12	0.40
R319122	133.12	133.65	0.53
R319123	133.65	134.65	1.00
R319124	1345.65	135.65	,1210.00
R319125	138.45	139.06	0.61
R319126	101b		
R319127	146.91	147.44	0.53
R319128	154.94	155.94	1.00
R319129	156.25	156.75	0.50
R319130	163.66	164.27	0.61
R319131	164.27	164.57	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319132	165.98	166.53	0.55
R319133	183.25	183.75	0.50
R319134	183.75	184.05	0.30
R319135	1/4 Dup		
R319136	219.1	219.6	0.50
R319137	227.33	227.83	0.50
R319138	227.83	228.18	0.35
R319139	228.18	228.63	0.45
R319140	230.24	230.54	0.30
R319141	258.35	258.8	0.45
R319142	258.8	259.8	1.00
R319143	Blank		
R319144	259.8	260.15	0.35
R319145	260.15	260.75	0.60
R319146	260.75	261.35	0.60
R319147	261.35	261.7	0.35
R319148	261.7	262.73	1.03
R319149	262.7	263	0.30
R319150	263	264	1.00
R319151	CM,36		
R319152	271.76	272.06	0.30
R319153	272.06	273.06	1.00
R319154	277.58	277.88	0.30
R319155	277.88	278.88	1.00
R319156	302.38	302.68	0.30
R319157	306.55	307	0.45
R319158	307.16	307.46	0.30
R319159	336.84	337.24	0.40
R319160	350.62	351.02	0.40
R319161	101b		
R319162	352.3	352.6	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319163	358.63	358.93	0.30
R319164	366	366.4	0.40
R319165	463.3	464.3	1.00
R319166	464.3	465.3	1.00
R319167	465.3	465.7	0.40
R319168	465.7	466.7	1.00
R319169	466.7	467.7	1.00
R319170	1/4 Dup		
R319171	467.7	468.7	1.00
R319172	468.7	469.7	1.00
R319173	469.7	470	0.30
R319174	470	470.75	0.75
R319175	470.75	474.75	4.00
R319176	471.75	472.25	0.50
R319177	472.25	473.29	1.04
R319178	473.29	473.64	0.35
R319179	Blank		
R319180	473.64	474.14	0.50
R319181	474.14	475.14	1.00
R319182	475.14	476.14	1.00
R319183	476.14	477.26	1.12
R319184	477.26	478.26	1.00
R319185	478.26	479	0.74
R319186	479	480	1.00
R319187	CM,36		
R319188	480	481	1.00
R319189	481	482	1.00
R319190	482	483	1.00
R319191	483	484	1.00
R319192	484	485	1.00
R319193	485	486	1.00

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319194	486	486.6	0.60
R319195	486.6	487	0.40
R319196	487	487.3	0.30
R319197	101b		
R319198	487.3	487.9	0.60
R319199	487.9	488.3	0.40
R319200	488.3	489	0.70
R319201	489	490	1.00
R319202	490	491	1.00
R319203	491	491.3	0.30
R319204	493.24	493.54	0.30
R319205	493.54	494.54	1.00
R319206	1/4 Dup		
R319207	515.25	515.55	0.30
R319208	519.18	519.68	0.50
R319209	528.98	529.28	0.30
R319210	538.65	539.4	0.75
R319211	545.27	546.02	0.75
R319212	548	548.3	0.30
R319213	550.2	550.5	0.30
R319214	Blank		
R319215	552.56	553.24	0.68
R319216	553.24	553.54	0.30
R319217	555.39	555.69	0.30
R319218	557.8	558.1	0.30
R319219	558.4	559	0.60
R319220	632.15	632.45	0.30
R319221	645.74	646.4	0.66
R319222	CM,36		
R319223	646.4	646.7	0.30
R319224	647.75	648.4	0.65

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319225	655.4	656.03	0.63
R319226	656.03	656.33	0.30
R319227	656.33	656.64	0.31
R319228	663	664	1.00
R319229	603.57	603.87	0.30
R319230	675.05	676.05	1.00
R319231	675.05	676.35	1.30
R319232	101b		
R319233	676.78	677.57	0.79
R319234	677.57	677.98	0.41
R319235	677.98	678.85	0.87
R319236	671.12	672.12	1.00
R319237	672.12	672.42	0.30
R319238	672.42	673.42	1.00
R319239	673.42	673.9	0.48
R319240	628.7	679.71	51.01
R319241	1/4 Dup		
R319242	683	684	1.00
R319243	685	686	1.00
R319244	690.9	691.53	0.63
R319245	691.37	691.67	0.30
R319246	691.67	692.7	1.03
R319247	692.7	693.9	1.20
R319248	693.9	694.9	1.00
R319249	Blank		
R319250	694.9	695.4	0.50
R319251	695.4	696.4	1.00
R319252	716.73	717.24	0.51
R319253	717.24	717.54	0.30
R319254	717.54	718	0.46
R319255	724	725	1.00

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319256	727.06	728.06	1.00
R319257	CM,36		
R319258	731	732	1.00
R319259	734.4	734.7	0.30
R319260	736.65	736.95	0.30
R319261	739.55	739.85	0.30
R319262	743	743.5	0.50
R319263	743.5	744	0.50
R319264	751.43	751.73	0.30
R319265	751.73	752.73	1.00
R319266	755.7	756.05	0.35
R319267	101a		
R319268	757.82	758.32	0.50
R319269	758.67	759.67	1.00

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-02**	ZTEM R1	Orbit Garant Inc.	M. Kilbourne

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
1199911	January 31, 2015	February 4, 2015	299 m

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T	5209725	673520	318 m

	DEPTH	DIP	AZIMUTH
	COLLAR	-90	0
	200	-88.8	42.3

COMMENTS

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
0.00	4.50	OVB	Overburden	
4.50	5.00	2a	Mafic Volcanics	amydaloidal basalt, amy's filled with qc and/or epd and/or hem, up to 2cm across, minor chalcedony filled, generally strong epd in amy's
5.00	7.61	2d	Mafic Volcanics	line brown colour, strongly magnetic, fine frained, 10-15% minute epd flecks
7.61	11.09	2a	Mafic Volcanics	as above 2a with patchy strong hem alteration of groundmass, strongly magnetic, strong swirly epd alteration along gradational contact
11.09	15.59	2d	Mafic Volcanics	brown-red fine grained, strrongly magnetic, moderate pervasive hem alt of groundmass, minor epd filled fractures/vnlts at no general orientation.
15.59	19.68	2a/2b	Mafic Volcanics	sparsely to strongly amydaloidal, patchy strong hem alteration, amy's filled with chl +/- epd +/- qtz-carb +/- red hem feldspar +/- chalcedony, rare fine chalcopyrite in some of them, mod-str magnetic, very hard
19.68	30.07	2d	Mafic Volcanics	aphanitic, dark grey, strongly magnetic, very hard and dense, rare clh filled amy, rare fracture/vnlt with epd +/- qch
30.07	44.79	2a	Mafic Volcanics	amygdaloidal basalt, hard, weakly to strongly magnetic, fine grained section where it is more strongly magnetic, amy's filled with epd +/- chl +/- qc +/- chalcedony, rare amy with fine cpy. 42.62-42.83 thin interval of banded rhyolite, banding 65 TCA
44.79	47.00	6	Flow Top Breccia	blocky section of mixed amydaloidal basalts and pink-red flow banded rhyolite, like a flow top breccia but felsic volcs instead of seds, 1-2cm qch vn parallel TCA that is breaking up rock, strong epd alteration of 2a parts, strong hem alt along fractures and associated with qch vn.
47.00	68.94	2e	Mafic Volcanics	originally a medium grained ophitic basalt, relic patchy ophitic texture still visible, or a fine grained basalt with patches of coarser grained ophitic looking basalt, hard, mod-strongly magnetic, patchy strong prervasive epd alteration, flecked appearance by ferro-mag going to chl then altered to epd +/- qc, patchy flecked appearance, thin cm wide intevals of strong hem alt giving pseudo banding appearance in places, sometimes these bands have a white boudined silica vnlts generally 60-70 TCA.
68.94	70.00	6	Flow Top Breccia	flow top breccia, 65% seds, fairly blocky
70.00	84.44	2a/2d	Mafic Volcanics	mix of amygdaloidal basalt and fine grained mafic volcanics, strongly magnetic where massive and fine grained, 2a intervals with large amy's filled with epd +/- qc +/- chl, rare spec hem in some of them, minor patchy epd alteration of groundmass also 73.35-73.5 qtz-carb-hem bx interval with one 0.5 cm blob of chalcocite.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
84.44	94.17	6	Flow Top Breccia	40% seds, matrix of purply-red strongly altered 2a?, amygdaloidal textures almost completely obliterated by hem-chl-epd and some other unknown alteration minerals, minor late hairwidth to 1 cm qch vnlts/fractures.
94.17	112.09	4	Felsic Volcanics	flow banded to porphyritic to amydaloidal? rhyolite, red in colour due to hem al;teration of groundmass, upper part of flow contains large 1 3cm round blobs (amy's?) with pseudo concentric alteration? Chl ferro-mag rim with hem-qc center plus other minerals, some blobs partially replaced by white quartz, minor replacement of matrix also by qtz masses, bnading portion faint but measurable at 80 TCA, bleaching along fracture boundaries and relic pheno's, minor epd alteration in masses ans along fractures/vnlts.
112.09	122.11	8	Mafic Dyke	fine grained, dark grey, strongly magnetic, sharp contacts, upper 30 TCA, lower 45 TCA, minor late qch fractures/vnlts up to 1cm wide generally 45 TCA.
122.11	123.40	4	Felsic Volcanics	as above unit at the end, weakly porphyritic with altered pheno's, the mafic dyke has intruded the 4 unit
123.40	132.90	8	Mafic Dyke	section of mafic dyke, a splay from the upper dyke probably, lower contact fault bounded in hem healed gouge
132.90	133.43	7a	Feldspar Porphyry	quartz-eye feldspar porphyry, light pale olive green colour, 10-15% qtz eyes, some rectangular pheno's replaced by quartz also 130-132m: moderatley to weakly brecciated by late white quartz-weak carb veining and fractures parallel to 30 TCA. Lower contact 50 TCA associated with 3cm band of mafic volcs
133.43	151.40	4	Felsic Volcanics	weakly porphyritic to relic flow banded rhyolite, strongly brecciated by late qtz-carb-hem veining and fractures, pheno's sauseritized to a light epd-sericite colour, pseudo banding displayed by weak pale epd? +/- sericite along planes 60-70 TCA, minor talc associated with qch fractures, minor late thick qch veins up to 3-4cm parallel TCA, minor late white qtz-weak carb masses closer to lower contact, lower contact indeterminate by broken core. **NOTE:** from 112-151m, major section of rhyolites that have been intruded by mafic dyke and possible later quartz-eye porphyry
151.40	152.31	6	Flow Top Breccia	flow top breccia, 20% seds, mod pervasive epd alteration
152.31	158.46	2a	Mafic Volcanics	predominantly epf filled amygdules, some chl filled, rare qch vnlt/fracture, lower contact brecciated

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
158.46	167.53	1a	Ultramafics	fine to medium grained cumulate texture, strongly magnetic where not altered. Broken core 163.87-164.24 and 164.66-165 CBrFZ 158.27-163.77 brittle fracture zone highlighted by intense brecciation and veining generally 30-45 TCA. Individual qtz-carb-hem veining up to 3-4 cm, strong to intense hem alteration of groundmass with some of the relic cumulate texture to epd 165 to lower contact relatively unaltered
167.53	168.67	6	Flow Top Breccia	flow top breccia with felsic volcanics instead of seds, 75% felsic volcanics, hm alt of felsics, epd alt of 2a
168.67	182.80	2a/2c/2e	Mafic Volcanics	mixed bag of volcanic textures, mod-strongly magnetic throughout, strong epd alt of amy's and/or ferro-mags to 171.5, chl flecked down to 179 intermittently, ophitic relatively unaltered texture to lower contact, lc @ 50 TCA. rare late qtz-carb-hem vein generally 30 TCA
182.80	186.68	Breccia	Breccia	strong to intense breccia by qtz-carb veins/fractures, nice angular wallrock fragments, host rock is unidentifiable, fairly soft, reddish (hem) to grey in colour, aphanitic, non-bedded or banded, non-magnetic, felsite of some sort?, lower contact 30 TCA.
186.88	195.28	2a/2b	Mafic Volcanics	upper flow amydaloidal grading to sparsely amygdaloidal at 191.77, strong epd alt of amy's in 2a. 187.1-187.25 qtz-carb+/-hem strong bx ~ 60 TCA. 190.34-191.77 DZ to weak bx highlighted by intense bx (qtz-carb-hem veining 191.1-191.77 30 TCA, sharp lower contact to DZ @ 30 TCA, DZ has large, cm's, epd masses associated with qtz-carb matrix, strong hem alt of groundmass. 2b amy's mostly epd dominant with minor chl sometimes
195.28	201.16	6	Flow Top Breccia	flow top breccia, intense epd alt of groundmass to 199.3, patchy strong hem alt of volcanic portion? Beyond 199.3 seds are generally strongly hematized, mafic volc portion strongly magnetic, 40-50% seds overall.
201.16	205.82	2a	Mafic Volcanics	fine grained dense, mod-strongly magnetic, relatively unaltered, rare large amy chl filled, 203.76-203.9 qtz-carb-hem veining with minor healed fault gouge
205.82	217.60	6	Flow Top Breccia	fow top breccia, seds are intermittent swirls and masses, 10-15% overall, mafic portion very fine grained and sparsely amygdaloidal and mod-strongly magnetic, sed portions either weakly epidotized or weakly hematized. 208.46-208.67 qtz-carb-hem bx/veining 40 TCA 212.3-212.67, broken with minor qch veining present 10-20 TCA
217.60	222.11	2b	Mafic Volcanics	rare amy chl filled, fine grained matrix, mod magnetic

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
222.11	227.39	6	Flow Top Breccia	weak flow top breccia as above, 5-10% seds overall and intermittent, strongly magnetic where unaltered strong pervasive epd alteration from 224.83-226.2 and 226.64-227.39, intermittent strong pervasive qtz-carb alteration in these sections
227.39	236.62	2c/2e	Mafic Volcanics	fine to med grained, weakly ophitic to weakly chl flecked (ferro-mags to chl), massive, strongly magnetic, relatively unaltered
236.62	239.71	2a	Mafic Volcanics	pale brownish coloured mafic volc with epd dominant +/- chl +/- hem sometimes rimmed filled amygdules, groundmass mod hematized making rock non-magnetic
239.71	246.58	2d	Mafic Volcanics	massive, fine to intermittent med grained, weakly to mod magnetic, relatively unaltered 243.65-244 DZ highlighted by weak bx and qch veining, strong hem altered section
246.58	257.55	2a	Mafic Volcanics	mostly pale brown 2a, very weakly masgnetic to non-magnetic, pervasive hem alteration of groundmass, amy's filled with either epd and/or chl and/or red hem feldspar? 254.4-255.7 unaltered
257.55	266.48	1a	Ultramafics	weak cumulate texture, massive, relstively unaltered, moderately magnetic, chilled lower gradational contact/margin
266.48	268.37	6	Flow Top Breccia	weak flow top beccia, strong epd alteration, <5% seds
268.37	279.84	2a/2b/2e	Mafic Volcanics	mixed unit of pale brown hematitic 2a with fresh sections of 2b, sections of 2d and weakly ophitic mafic volcanics, strongly magnetic where unaltered, 277-277.5 1cm qch vein parallel TCA, strong hem alteration associated in wall rock, broken
279.84	291.50	5b	Siltstone/Sandstone	siltstone/sandstone mixed sediment unit, dominant alternating bedding of epidotized sandstone and red hematitic siltstone bedding at 60-70 TCA, bedding mm's to cm's wide, clot of spec hem at 289.13, lower contact 60 TCA
291.50	293.84	6	Flow Top Breccia	flow top breccia, 40% seds at the top of a rhyolite flow with mixed epidotized mafic volcanics, fine spec hem in a mafic looking clot at upper contact 292.6-293 broken and possible fault gouge
293.84	299.00	4	Felsic Volcanics	purple-red deformed rhyolitic flow, strongly hematized, very deformed and pseudo weak breccia look from upper contact to 295.6, possible extension of above flow top with masses of intensely epidotized seds? Or masses of other material, weak relic banding in rest of unit, qtz-carb-talc vein/bx @ 295.2, very mucked up unit
		EOH		

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH

No Samples Taken

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-03**	3M IP High Chargeability Anomaly	Orbit Garant Inc.	M.Kilbourne

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
3019482	February 7, 2015	February 15, 2015	452

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T	5212700	671525	318 m

DEPTH	DIP	AZIMUTH
COLLAR	-70	65
200	-69.3	65
400	-69	65
452	-68.8	65

COMMENTS

3M Grid Coordinates: L 0N, 2+50W

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
0.00	4.50	OVB	Overburden	
4.50	38.49	5f	Conglomerate	polymictic conglomerate, strongly hematized both clasts and matrix, most of matrix replaced by quartz-carbonate
38.49	48.49	5c	Sandstone	mix of bedded sandstone, pebblestone and minor conglomerate, all rocks are burgundy red from hematization, minor late qtz-carb veining/fracturing, matrix replacement also by qtz-carb, bedding 75 TCA as lower contact which is sharp
48.49	69.04	2p	Mafic Volcanics	dark grey green, fine grained, weakly porphyritic to amygdaloidal, variably magnetic, generally strongly epidotized groundmass, epidote also along fine fractures and associated with late qtz-carb veinlets and fractures, epidote also replacing pheno's and filling amygdules, scattered spec hem in fractures and small clots, most spec hem associated with late qtz-carb-epd vns. Lower contact sharp 35 TCA. minor spec hem associated with qtz-epd-carb vein 1-2cm wide sub// TCA from 53-55.6m 57.8-59.3 weak qtz-carb-epd bx parallel TCA 58.86 1 x 2cm qtz-carb-epd vein 30 TCA 59.65 1 x 2cm qtz-carb-epd vein 30 TCA semi-massive spec hem at 63.66 in fracture 1-3mm wide, discontinuous 6 cm fault gouge at 65m, appears sub perpendicular TCA
69.04	119.88	5g	Conglomerate	predominantly basaltic clast comglomerate, strongly epidotized unlike polymictic which was strongly hematized, generally well fractured and veined by late qtz-carb-epd with minor sections of weak breccia, veining mostly cross cutting bedding at 20-30 TCAm, minor siltstone/sandstone 92.04-92.46 69.04-73m, strongly to weakly brecciated by qtz-carb-epd fractures and vnlts weak bx by qtz-carb-epd-hem 10-20 TCA, crackled 2-3cm qch+/-epd 25 TCA 87.35 1 x 1 cm qtz-carb vn 25 TCA 87.75 1 x 1cm qtz-carb vein 25 TCA 98.57-95.77 weak bx/veining/fracturing by qtz-carb 30 TCA 102.77-104.2 weak bx by late qc+/-epd fractures/vnlts 104.81 1 x 1cm qc vein with trace spec hem 40 TCA 106.4-106.5 1 x 7cm qc vein 45 TCA 115.9-116.48 weak shear pseudo weak bx by qtz-carb-epd veining fractuiring 30-45 TCA, tr spec hem and chalcocite
119.28	121.86	2d	Mafic Volcanics	fine grained mafic volcs, intensely fractured by epd dominant veins and epd filled fractures +/- qtx-carb, trace chalcocite associated with fractures, weeakly magnetic
121.86	122.87	5g	Conglomerate	strongly hematitic and epidotized conglomerate, well fractured by epd dominant filled fractures to give it weak bx appearance probably top of next flow top breccia, clasts visible though.

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
122.87	124.00	6	Flow Top Breccia	flow top breccia, strongly hematized seds, strongly epidotized volcanics, well fractured wesak bx appearance intermittent late qzt-silica-carb flooding
124.00	125.23	2a	Mafic Volcanics	amygdules epd dominant filled, minor late epd dominant fracturing
125.23	129.23	8	Mafic Dyke	mafic dyke? Very fine grained, moderately magnetic, dark grey-black, rare pophyroblast as well as rare amygdule, sharp contacts, occupies space next to CBFrZ and fault gouge mafic dyke designation, upper contact 55 TCA, lower 40 TCA minor late white quartz-carb fracturing
129.23	138.95	2a	Mafic Volcanics	strongly hematized groundmass, epd dominant filled amygdules, intermittnent cumulate textures 129.23-132.6 CBFrZ highlighted by healed fault gouge 129.7-130.11m, fault gouge oriented at 40 TCA upper contact with 1 x 3cm qch vein along contact, weakly-mod brecciated by late qch veining/fracturing sub// TCA intensely hematized section 138.51-139.23 moderately brecciated by by qtz-carb+/-hem veins and fractures gradational lower contact
138.95	145.89	1a	Ultra Mafics	medium grained ultra mafic with definitive cumulate texture, intense hematization of groundmass, minor late grey qtz+/-epd+/-chl+/-talc both cross-cutting bedding and conformable to bedding. gradational lower contact
145.89	151.48	2a	Mafic Volcanics	strongly hematized groundmass, epd dominant filled amydgules, minor late epd dominant late fractures with subsequent wall rock bleaching for only mm's, larger irregular shaped masses, up to 7cm across of quartz-carb-epdidote.
151.48	152.78	6	Flow Top Breccia	flow top breccia, 40% seds, bedding visible @ 75 TCA, mnior thin late epd dominant fractures, strongly hematized mafics
152.78	157.24	2a	Mafic Volcanics	strongly hematized groundmass, epd dominant filled amygdules, some have qtz-carb, mod-strong epd dominant fracturing to give the unit a weak breccia appearance
157.24	166.45	6	Flow Top Breccia	weak flow top breccia, 10% seds, strongly epidotic, seds strongly hematitic, generally well fractured by thin epd dominant fractures, epd dominant filled amygdules where a 2a 160.4-160.85 large 10cm wide quartz-carb-epd+ minor hem vein generally 20 TCA
166.45	177.00	2a	Mafic Volcanics	strongly hematized groundmass, abundant amygdules which are filled with combinations of qtz-carb-epd, rare thin sediment intervals, minor irregular masses of qtz-carb-epd, weakly fractured in places epd dominant filled 175m vuggy thin fracture with minor coarse pyrite (first pyrite I've seen in a mafic flow)

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
177.00	180.11	2d	Mafic Volcanics	strong hem alteration of groundmass, faint tiger rock appearance by weak hem rich braids, minor qtz-carb-hem fractures
180.11	190.90	2a/2b	Mafic Volcanics	mix of strongly amydaloidal and sparsely amygdaloidal basalt, generally strong hem alteration of groundmass, amygdules filled with combinations of qtz+/-carb+/-epd+/-hem+/-+/-chl+/-kspar? starting about 189m, rare amy's with chalcoite in them, cc associated with those amy's with qtz-carb-epd fill 189.5m 1 x 4cm qtz-carb-epd vein with 2-3% chalcocite, sub-perpendicular TCA 189.54-190.12m: rare amy with chalcocite 190.12-190.92m: rare amy with chalcocite
190.09	195.09	2d/2b	Mafic Volcanics	generally a fine grained massive basalt, weak braided tiger rock appearance @ 80 TCA, rare amygdule moslty chl filled strong hem alteration of groundmass, minor epd-qtz-carb fracturing 194-195.09m: thin 1-2mm epd-qtz-carb fracture along 65cm of core sub// TCA with fine spec hem, some of it may be cc
195.09	198.25	6	Flow Top Breccia	weak flow top breccia, very 'nebular' looking alteration of swirling dark purple hem alteration and epd alteration. Possible rare basaltic clast/fragment visible, intermittent well formed 2a 195.63-196.37, also a faint cream coloured alteration. Mineral associated with both units, fills amy's and associated with epd swirls/fractures
198.25	201.62	2b	Mafic Volcanics	moderate hem alteration of groundmass, strong epd alteration associated with fracturing/veining, epd-qtz-carb fracturing veining also contains fine chalcocite, amy's filled with chl or hem 200-200.5m: 1 to 2cm qtz-carb-epd vein 30 TCA with minor coarse cc 200.5-201m: 0.5 to 1cm qtz-carb-epd veinlet sub// TCA speckled with fine cc 201-201.62m: contains a large clot 5cm in longest dimension of white quartz, assoc. epd along the edges
201.62	227.33	6	Flow Top Breccia	generally a sparese flow top breccia with only 5-10% intermittent sediments, strongly epidotized with more intense sections containing chalcocite associated with qtz-carb-epd veins/fractures/clots, strong hem alt of more basaltic flow sections as well as sediments, general weak banding 75 TCA, cream coloured (limonite?) mineral in amygdules and as specks 202.37-202.72m: strong epd alt, irregular qtz-carb clots with up to 4cm clots of cc with associated hem, large clot on bottom half of core 202.72-204m: predominantly strong hem alt 204-205m: predominantly strong hem alt 205-205.94m: seds with patchy epd alt 205.94-206.25m: minor qtz-carb fracture with fine cc 206.25-207m: mod epd alt and limonite alt 207-208m: predominantly strong hem alt 208-208.83m: predominantly strong hem alt

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				208.83-209.26m: intense epd alteration, grey qtz clots, minor cc but more disbursed on one side of the core 209.26-210m: mostly epd alt 210-211m: predominantly strong hem alt 211-212m: predominantly strong hem alt, small 25cm section from 211 with white qtz clots 212-213m: both epd and hem alt, minor large amy's filled with grey qtz 213-213.37m: strong epd alt, irregular grey qtz clots and grey qtz filled amy's 213.37-214m: strong epd and limonite 214-215m: predominantly strong hem alt 215-216m: predominantly strong hem alt 216-217.15m: seds with patchy epd alt 217.15-217.51m: strong epd alt with 2cm red kspar?-qtz-carb vein x-cutting S0 217.51-218.56m: strong epd alt 218.56-219m: strong epd alt with weak phyllic patchy alteration of groundmass 219-219.43m: 1 x 5cm qtz-carb-hem vein with abundant coarse cc 30 to sub// TCA 219.43-220m: predominantly hem alt 220-221m: predominantly hem alt 221-222.2m: predominantly hem alt 222.2-222.7m: strong epd alteration, grey qtz filled amy's, some with cc 222.7-223m: predominantly hem alt 225.54-226.56 1-2cm qtz-carb sub// TCA
227.33	232.67	2a/2b	Mafic Volcanics	strong hem alt of groundmass to 231m, 2b from here to contact, 228.54-229.48 1cm qtz-carb vein sub// to // TCA minor irregular masses of epd alt
232.67	239.11	6	Flow Top Breccia	mixed seds, 10% and massive mafic volcanics, seds strongly hem altered, broken core, mafics relatively unaltered to weakly epd alteration of groundmass, broken damaged zone with 9+ thin up to 1 cm qtz-carb-hem veinlets generally 30 TCA large coarse 30cm quartz-carb-hem vein at lower contact 45 TCA, 95% qch
239.11	244.09	2d	Mafic Volcanics	weak to pervasive strong hem alt of groundmass, minor weak epd alteration around epd dominant fractures
244.09	246.00	2a	Mafic Volcanics	strong hem alteration of groundmass, amy's filled with epd+/-qtz+/-carb
246.00	255.76	2d	Mafic Volcanics	fine grained, strong hem alt of groundmass, very weakly magnetic, 22+ late qtz-carb-hem+/-epd veinlets/fractures both x and ok, hairwidth to 2cm across, generally shallow TCA at about 30, thin 1mm qtz-epd-carb fracture @ 247.67 with trace minute native copper

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
255.76	263.52	6	Flow Top Breccia	flow top breccia with only about 5% seds, mafic component is 2a with strong hem alt of groundmass, amy's chl and/or epd+/-qtz-carb filled, weak nebulus space appearance, minor late qtz-carb-hem crackle veining. 259.21-259.65 0.5cm qch in and out of core axis sub//TCA, minor weak bx association 260.4 1 x 5cm qch vein 70 TCA 261.61-262.8 qch fracture vein system up to 3cm wide in and out of core axis, minor associated weak bx with system
263.52	275.95	1a	Ultra Mafics	fine-medium grained ultra-mafic with cumulate texture, groundmass generally mod-strong hem alteration, patchy strong epd alteration around epd dominant fractures/veins/fracture sets, minor late qch vnlts/fractures, rare amygdule. 270.37-270.63 qtz-carb plus angular hem wallrock fragments, upper contsact 30TCA, lower 70 TCA (x) 271.34-272.05 as above and probably offshoot of above or vice versa, generally 30 TCA 274.4-274.93 3 x 1cm qtz-carb veins, 1 //TCA, the other 2 50 TCA (x)
275.95	280.14	2a	Mafic Volcanics	variable weak to strong hem alt of groundmass plus patchy epd alt in irregular masses, amy's chl and/or epd +/-qc filled. might be a small section of flow top from 278-278.8, has that nebulus space appearance to it, 1-2% seds too.
280.14	288.56	1a	Ultra Mafics	fine grained cumulate looking texture, mod-strong hem alt of groundmass, patchy strong epd alt around epd dominant fractures plus epd alteration of olivines in places giving a speckled appearance, generally well fractured by late qch veinlets/fractures mostly 1-2mm across and generally sub// TCA or 20-30 TCA (ok)
288.56	289.76	6	Flow Top Breccia	80% seds, relic bedding seen in parts 80 TCA, pinkish brecciated seds from 288.86-289.27with a 1 x 3cm ribboned qtz-carb vein 45 TCA (x) plus other weak bx with qtz-carb matrix in same general TCA, beyond to contact that nebulus space look.
289.76	298.82	2b	Mafic Volcanics	sparsely amygdaloidal strongly epd domiant crackled basaltic flow, minor intermittent seds only 1-2%, crackle veinlets appear sometimes as discontinous tension gashes sub// TCA and x-cutting, other epd dominant fractures/vnlts are (ok), amy's epd dominant filled and or chl filled, 295.13-295.95 0.5cm qch sub// or // TCA, patchy sttrong hem alt of groundmass
298.82	318.90	6	Flow Top Breccia	strongly altered and brecciated flow top breccia, intermittent seds but overall 10-12%, strong pervasive epd alteration of groundmass, filling fractures/veins, filling amygdules and in irregular masses hem alteration controlled by fractues, altering seds and patchy groundmass, some anygdules filled with grey qtz or a qtz-carb more late brecciation closer to contacts, general inermittent shear fabric 30 TCA 301.52-302.16 late brecciation, large irregular masses (boudins?) of quartz

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				312.95-318.9 late brecciation, minor qtz masses, 315.11-318.9 late qtz-carb brecciation/veining qtz-carb vein 315.11-315.41, angular wall rock in vein, vein 25 TCA possible faulted lower contact
318.90	320.45	2b/2d	Mafic Volcanics	pervasive hem alt of groundmass, rare amy's filled with chl or epd pr combination with minor qtz-carb, lower contact fault bounded with gouge
320.45	321.55	Breccia	Breccia	flow top breccia? Rock is too veined/brecciated and altered to tell original host, rock broken, strongly epidotized, late qtz-carb veining/brecciation, vuggy and hematitic, weak shear fabric at 40 TCA
321.55	322.30	2d	Mafic Volcanics	broken interval of core, strong hem alt of groundmass, minor epd dominant crackle veinlets
322.30	337.52	1a	Ultra Mafics	good cumulate texture, coarser in the middle of the flow, lower fine grained chill zone from 336m to contact, upper chill margin to 324m strongly epidotized in irregular masses and in fractures/veinlets/ tension gashes, 30cm qtz-carb-epd flooded section at 323.5, patchy strong hematization of groundmass, minor late qch veining 328-328.54 strong fracture related epd alteration 331.28-332.6 weak coarse breccia look by epd+/-qtz-carb+/-hem veins/masses/fracture systems, genrally low angles TCA uo to 30 TCA 330.3-330.53 strong fracture controlled epd alt with late qch fractures and one 0.5cm qch vnlt 50 TCA
337.52	338.10	5b	Siltstone	pinkish to brown siltstone, bedding seen at lower contact 80 TCA, 34cm section of pink hematitic? Seds or is it a felsite? minor late epd dominant fractures in unit, contacts sharp at 75-80 TCA
338.10	360.89	1a	Ultra Mafics	coarse cumulate texture near center of flow, rare amygdules still present and chl and/or epd and/or qtz-carb filled, strong pervasive epd alteration to 342.4, minor late epd +/-hem+/-qtz-carb veining/fractures generally 30 TCA, weakly magnetic hem alteration fracture controlled 352.1-352.28 late epd-qtz-carb-hem vein/shear 30 TCA with minor specks of chalcocite, 2 other thin 1-2mm epd dominant fractures with minor fine cc @ 352.3 and 352.43 353.26 1-2cm epd-qtz-carb vein 40 TCA with minor cc 353.87 minor epd filled crackle veins with trace cc 355.25-325.4 1 x 7cm qtz-carb-epd-hem vein/shear with one tiny speck of cc 356.61-357.9 system of epd-qtz-carb-hem veining/fracturing generally sub// TCA with offshooting conjugate vns/fractures strong epd alteration/fracturing from 356 to lower ambivalent contact
360.89	365.67	6	Flow Top Breccia	strong pervasive epd alteration of groundmass, of ferro-mags, in fractures and veins; minor hem alt of sediments especially

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				edges, 10% seds overall
365.67	378.50	2b	Mafic Volcanics	amygdules generally chl filled, strong patch hem alt of groundmass to 371, coarse ophitic patches of groundmass present 371-372.54 strong epd alteration assocaited with epd-qtz-carb-hem vein/structure sub// TCA 374.3-375 strong pervasive epd alteration associated with epd fracture system 25 TCA strong hem alteration of groundmass from 377m to lower gradational contact
378.50	380.16	6	Flow Top Breccia	only 5% seds at most, strong epd and hem alteration of groundmass, lower contact appears at 40 TCA
380.15	385.66	2b	Mafic Volcanics	rare fine amy's chl and/or epd+/-qtz-carb filled, strong epd alt of groundmass to 382m, then fairly pervasive hem alt of gm rare thin late qtx-carb-hem vnlts/fractures
385.66	388.21	5c	Sandstone	massive to weakly bedded sandstone, strong epd and/or hem alteration of groundmass, bedding 75 TCA
388.21	404.21	6	Flow Top Breccia	25-35% seds, strongly clay altered flow top breccia, locally very vuggy, mafic volcanic portion totally to partially altered to a grey clay while seds are intact as islands of resistant rock, strong pervasive epd alteration of groundmass where not clay altered 396.3-397.68 section of 2a generally moderately hem alt of groundmass
404.21	405.59	2b	Mafic Volcanics	minor amyddules generally epd+/.-qtz-carb filled, lower contact sharp at 60 TCA, weak hem alt of groundmass
405.59	411.30	5c	Sandstone	sandstone with intermittent bedded siltstone, generally strong epd alt of groundmass with subordinate hem alt of gm minor late qtz-carb veinlets 10-20 TCA, bedding 75-8- TCA
411.30	415.52	6	Flow Top Breccia	strongly clay altered flow top with 35% seds, as unit above
415.52	426.50	2b	Mafic Volcanics	generally massive and fine grained with rare amygdule, strong epd alteration to about 420m then gradational to weak associated with epd filled fractures, with epd-hem-qtz-carb vnlts/fractures sub// to 25 TCA after 420m, fine grained hem braided 'tiger' rock, minor late epd dominant fractures, tr chalcocite associated with white qtz filled amygdule and white qtz-epd irregular shaped masses, lower fault/shear bounded contact 60 TCA
426.50	430.81	2d	Mafic Volcanics	appears to be a different flow from the one above, fine grained, intensely crackled/veined by epd dominant fractures, strong purply hem alt of groundmass, some late qtz-carb-hem fractures/vnlts and weak brecciation
430.81	448.35	5c	Sandstone	strongly epdidotized sandstone with minor intercalated reddish hem siltstones, bedding sub-perpendicular TCA where present

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				436.5-441.83m qtz-carb-hem breccia/vein system // TCA, angular wall rock fragments in vein of indeterminate width 441.83-442.14 7+ up to 1cm qtz-carb veins/fractures 45 TCA, lower contact of upper vein system appears at possible same angle, upper contact of system more like 30 TCA, but veining/bx in between contacts parallel TCA 442.14 to lower contact 13+ scattered late qtz-carb veinlts/fractures
448.35	449.78	6	Flow Top Breccia	weak flow top breccia with 5-7% seds, 2a/2b portion of flow top have qtz-carb (chalcedony?) filled amygdules one 0.5cm late qtz-carb-hem vein 50 TCA
449.78	452.00	2b	Mafic Volcanics	strong hem alteration of groundmass, amy's filled with epd+/-qtz+/-carb 451.48 conjugate set of 2 late qtz-carb vnlts, one 40 TCA (ok), one 30 TCA (x) 451.8 one 1cm qtz-carb-hem vein 30 TCA
	EOH			

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319370	53.09	53.66	0.57
R319371	53.66	54.25	0.59
R319372	54.25	54.71	0.46
R319373	54.71	55.6	0.89
R319374	81	81.79	0.79
R319375	85	85.88	0.88
R319376	1/4 Dup		
R319377	115.9	116.48	0.58
R319378	120.1	121	0.90
R319379	121	121.85	0.85
R319380	188.5	189	0.50
R319381	189	189.54	0.54
R319382	189.54	190.12	0.58
R319383	Blank		
R319384	190.12	190.92	0.80
R319385	190.92	192	1.08
R319386	192	193	1.00
R319387	193	194	1.00
R319388	194	195.09	1.09
R319389	195.09	196	0.91
R319390	196	197	1.00
R319391	CM,36		
R319392	197	198.25	1.25
R319393	198.25	199	0.75
R319394	199	200	1.00
R319395	200	200.5	0.50
R319396	200.5	201	0.50
R319397	201	201.62	0.62
R319398	201.62	202.37	0.75
R319399	202.37	202.72	0.35
R319400	202.72	204	1.28

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319251	101a		
R319252	204	205	1.00
R319253	205	205.94	0.94
R319254	205.94	206.25	0.31
R319255	206.25	207	0.75
R319256	207	208	1.00
R319257	208	208.83	0.83
R319258	208.83	209.26	0.43
R319259	209.26	210	0.74
R319260	1/4 Dup		
R319261B	210	211	1.00
R319262	211	212	1.00
R319263	212	213	1.00
R319264	213	213.37	0.37
R319265	213.37	214	0.63
R319266	214	215	1.00
R319267	215	216	1.00
R319268	Blank		
R319269	216	217.15	1.15
R319270	217.15	217.51	0.36
R319271	217.51	218.56	1.05
R319272	218.56	219	0.44
R319273	219	219.43	0.43
R319274	219.43	220	0.57
R319275	220	221	1.00
R319276	CM,36		
R319277	221	222.2	1.20
R319278	222.2	222.7	0.50
R319279	222.7	223	0.30
R319280	351.25	352.05	0.80
R319281	352.05	352.69	0.64

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319282	352.69	353.51	0.82
R319283	353.51	354.4	0.89
R319284	389	389.75	0.75
R319285	398.17	399	0.83
R319286	101a		

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-04**	Geotech M3-Z3	Orbit Garant Inc.	M. Quinn and M.Kilbourne

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
4253375	March 7, 2015	April 13, 2015	853

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T	5208358	679179	328

DEPTH	DIP	AZIMUTH
COLLAR	-90	0
200	-89.4	0
600	-88.8	0
800	-88.7	0

COMMENTS

METERAGE			
FROM	TO	CODE	DESCRIPTION
0.00	11.35	OVB	
11.35	14.00	8a	Mafic dike. Fine grained, dark grey. Moderately to strongly magnetic. Cut by minor epidote veins at 50 TCA and carb,hem fractures.
14.00	16.37	2a	Amygdaloidal basalt. Amyg fill Chl,Ep,Qtz,Carb. Pervasive hem alt. Moderately magnetic.
16.37	27.23	2c	Sparsely Amygdaloidal with chl flecks. Tr spec hem at 22.7m and 23.1m in amyg and qtz nodules. Apparent deformation/alteration gives rocks a mottled appearance intermittently. Flt movement apparent by sharp changes in rock character. Cut by Qtz,carb vns at 26.25, sub // TCA. Moderately magnetic.
27.23	28.00	6	Flow top bx? Dark green. Chl,Ep rich matrix, basalt clasts. Cut by Qtz,carb,Chl ribbon vein sub // TCA. Non magnetic.
28.00	29.78	2a	Amygdaloidal basalt, possible 2c , chl fleck. Amyg fill Chl,Ep. Non,magnetic.
29.78	31.50	2b	Continuation from previous with moderate brittle fracturing. Amyg's larger and less abundant. Moderate, pervasive hem alt. Fracture/breccia with Ep,Qtz,Carb,Hem matrix from 29.78, 30.0m. Cut by Qtz,Ep vns with pink mineral (kspar?) at 31.1m and 31.2m, 40 TCA. Non, magnetic.
31.50	34.47	BX	Breccia, phreatic? Chlorite rich matrix, clasts of wall rock, minimal apparent movement. Matrix non,magnetic, larger clasts moderately magnetic. Sharp lower cnt at 30 TCA.
34.47	38.94	2b	Sparsely amygdaloidal basalt. Sharp upper cnt at 30 TCA. Amyg fill Chl,Qtz,Carb. Weak pervasive hem alt. Flow fabric, amyg elongated at 40 TCA.
38.94	41.69	BX	Breccia, flow top or phreatic? Ep,rich matrix, alteration is strongest at 41m, assymilation of clasts . Tr spec hem and clasts reduced to pebble size from 41.27,41.69m.
41.69	50.37	2c	Sparsely amygdaloidal basalt with chl flecks. Amyg fill Chl,Ep,Qtz,Carb. ~1cm Qtz nodule/vn fragment (?) at 43m. **Structure:** Crackle breccia/brittle fracture zone from 43.3,45.8m, Dominant orientation 50 TCA. **CZ** (*43.9%44.9m*) Moderate frac, Kspar,Ep,Chl fill, **DZs:** Minor frac, Ep,Chl fill. Weak potassic metasomatism confirmed with XRF analyzer. Weak to non, magnetic.
50.37	58.58	BX	Breccia, phreatic? Chlorite rich matrix, strongly altered clasts including weak,moderate potassic metasomatism? Potassium confirmed with XRF, possible felsic clasts. 1.0cm Qtz,Chl vn with long blades of spec hem at 53.08m, 70 TCA. Non magnetic.
58.58	66.38	7a	QFP. Qtz (<5%) phenos 1,3mm, feldspar phenos 1,5mm. Monzonite? 0.5,1% py dss throughout as clots and replacements proximal to thin fractures, clot size (upto 0.5cm) and abundance increases from 62.3,65.0m. Black,Purple,Blue flecks/needles occur throughout.

METERAGE			
FROM	TO	CODE	DESCRIPTION
66.38	70.60	BX	Breccia. Similar to previous. Irregular upper contact,Increased confidence re: felsic clasts. Mt mineralization from 68.56,69.00m, in matrix. Anhydrite (?) from 69.6,69.7m.
70.60	78.00	7a	QFP. Similar to previous. Increased variation in pink colour. Sharp upper contact at 70 TCA (fault?), irregular lower contact at 50 TCA (real?). Less abundant pyrite, no black,purple,blue flecks. 0.5,1.0cm semi,massive Cpy,Py at margin of QFP at 70.62m. Non magnetic.
78.18	78.30	FZ	Fault gouge and rock fragments.
78.30	90.15	2c	Sparsely amygdaloidal with chl flecks. Moderate structure throughout. Early) ~1.0cm Chl,Spec vns, chl is pale blue,green, simlar colour to mt,bearing vns in 15,01, roughly 6 vns over interval, at 40,50 TCA. Late) CBrZ, CZ at 81,81.4m, alteration is contained to structure, at 40,50 TCA. Weakly magnetic.
90.15	106.42	2c	Sparsely amygdaloidal basalt. Very fresh, dense looking rock. Minimal structure. Chl,Ep vns cut unit at 92.76, 95.54, 100.73, 103.02, 104.64m. Minor CBrZ at 95m. Very little associate WR alt. Moderate,strongly magnetic throughout.
106.42	115.75	2a	Amygdaloidal basalt, flow top. Amyg fill pale blue,green chl,ep. Weak to non magnetic.
115.75	146.00	2c	Sparsely amgdaloidal basalt with chl fill. Mostly undistrubed. Minor 2a flow tops (1m) intermittently.
146.00	169.50	2d	Massive basalt. Minor 2a flow top at upper contact, moderate pervasive hem (potassic?) alt from 146,147m. Amyg fill Qtz,Carb,Ep,Spec hem (CC?). Unit is cut by minor, late carb,hem vns; CBrZ (or healed fault? Hosts rounded clasts) from 164,164.5m at 40 TCA; 0.4mm Quartz vns at 156.4m and 168.07m at 20 TCA. Weak,Moderately magnetic.
169.50	178.48	2a	Amygdaloidal basalt. Amyg fill Ep,Chl. Ep is the pale yellow,green variety. Weak,non magnetic.
178.48	178.93	8a	Mafic dike. Black, aphanitic, magnetic.
178.93	181.00	2g	Basalt, ophitic texture. Moderately magnetic
181.00	184.25	4	Sub volcanic felsic unit. Slightly porphyritic, weak flow banding sub // TCA. Unit cut by two generations of vns/fract i) sinuous yellow waxy alt; ii) late carb vns . Non magnetic.
184.25	186.10	2g	Basalt, ophitic texture. weakly magnetic. Core is becoming more blocky.
186.10	188.50	4	As previous. Core is very blocky.
188.50	195.00	2g	Basalt, ophitic texture. weakly magnetic. Core is very blocky
195.00	197.48	2c	**CBrZ**. CZ at 195.5,196m. Host lithology is sparsely amygdaloidal basalt.

METERAGE			
FROM	TO	CODE	DESCRIPTION
197.48	201.15	4	As previous. Core is less blocky. Pyrite either weathered out or replaced hematite. Evident by cubic habit.
201.15	221.25	2c	Basalt with chl flecks, coarse chl flecks. Core is blocky. 2.0cm qtz,chl vn from 208.3,208.7m at 10 TCA. Mt concentrated from 204.7,205.25m. Weak,moderate CBrZ from 216.6,217.0m
221.25	233.71	8a	Mafic dyke. Aphanitic, grey,green,red, moderately magnetic. WR clasts present at lower contact from 222.54,233.71m.
233.71	249.75	2d	Massive basalt, intermittent chl flecks. CBrZ from 225.2,226.2m at 30 TCA, from 236.8,237.7m at 40 TCA. Unit cut by later qtz,carb vns with no associated hem from 241.8,242.8. Quartz,chl, ep,Cpy vn from 246.66m at 40 TCA.
249.75	250.10	7a	QFP, similar to 181,184.25. Increased black flecks (bt? Chl?). Flt contacts at 40 TCA.
250.10	251.90	2d	Mafic volcanic. 2,3cm Qtz,carb vn, likely CZ to qc vns from previous unit.
251.90	254.32	7a	QFP, similar to 181,184.25. Increased black flecks (bt? Chl?). Irregular contacts at 30,40 TCA.
254.32	291.41	2g	Massive basalt, weak gabbroic texture, varies from 2d (massive), 2g (gabbroic/ophitic), and 2c (chl flecks). Weak,moderately magnetic. 264.6,264.9m: 3.0cm Chl,ep vn bx (?) at 25 TCA. 272.35,273.04m: Red,orange,cream vn with multiple splays. Potassic (?) alteration. At 30 TCA. 282.5m: Red,orange,cream vn with multiple splays. Potassic (?) alteration. At 40 TCA. 286.75m: Dss Mt mineralization over 4cm, rock has turn slightly orange,green, possibly forming at a contact at 45 TCA. 288.0,288.25m: Mt mineralization, similar to pervious, except some occurs in a 1.0cm structure that has been displaced by faulting.
291.41	293.90	2d	Massive basalt, minor chl flecks. Sharp, chilled upper contact. Kspar porphyroblast development, possibly related to thin fractures at 60 TCA. Moderate,strongly magnetic
293.90	294.25	BX	Breccia. WR clasts, rock flour matrix. Overall all moderate,strongly magnetic.
294.25	298.25	2c	DZ. Mafic volcanic host, could be 2d or 2g. Moderate carbonate vning/minor breccia. Principal orientation at 30 TCA. Rock is non magentic in zones of more intense vning, otherwise its moderately magnetic.
298.25	333.18	2d	Massive basalt. Cpy,py mineralization throughout, overall trace,locally 1%, disseminated and fracture controlled. Variable magnetics, weak,strong. 312,315m: DZ, carb vns/vn bx. Minor pink,orange mineral. Little,no WR alt. 313.5m: semi,massive Cpy in 0.5cm fracture.

METERAGE			
FROM	TO	CODE	DESCRIPTION
333.22	352.16	7a	Weakly porphyritic QFP. 1% Pyrite occurs throughout as replacements forming 2,5mm cubic clots. Pyrite increases in abundance and size marginal to structures with dark alteration halos (bt alteration?). Possible molybdemnite occurs in interval that exhibit a green,bleached alteration (sericite?). Possibly a seperate intrusive phase. 337.52,337.93m: Green,bleached colour QFP. Alteration halo or separate phase? "Contacts" are relatively sharp, and no obvious structure is present. 340.58,340.8m: Similar to previous, contacts slightly more gradational. 348.60,349.03m: Similar to previous. Irregular contacts.
352.16	354.60	7a	Appears to be QFP clasts in a strongly altered sedimentary unit. Either a) a separate intrusive phase, fg, with a fabric or b) a sedimentary unit with QFP clasts. Volcanic Hybrid unit?
354.60	357.47	7a	A continuation from the previous unit except the clasts have changed character to a purple irregular masses with diffuse contacts. Appears sedimentary in origin, but not sure. Grades down to a cherty base. Fabric at 60 TCA.
357.47	374.30	7a	QFP. Similar to previous. Narrow interval of the previous, sedimentary looking unit from 358.55 358.95m. Cubic pyrite occurs throughout, commonly seen concentrated and increase size proximal to structure.
374.30	375.33	2d	8a? Mafic, aphanitic. Magnetic core, grades to non,magnetic at margins. Upper contact slightly gradational, Lower QFP contact exhibits chill margin, Upper mafic contact is weakly bleached.
375.33	376.40	7a	Similar to previous felsic units except a darker red colour. Upper contact is very irregular, 7a unit is intruding the mafic volcanic/mafic dike. Non magnetic.
376.40	411.53	2c	Basalt with chl flecks. Very coarse, irregular shaped chl flecks. Unit is cut by qtz+/,carb vns throughout, varying orientations. Strongly magnetic. 391.33,391.55m: minor stkwk of 1mm qtz vns, with minor pink,red mineral. At least 3 generations demonstrated by crosscutting relationships. i) at 15 TCA ii) at 45 TCA, dipping roughly in the same direction as "i" iii) at 20 TCA, rotated ~90 counter clockwise from i and ii. 391.71m: qtz,ep vn with minor pink,red mineral. Ep is growing as radiating needles. At 50 TCA. 398.40,398.48m: Quartz,carb vns. White, no hem. At 50 TCA. 399.95,400.05m: Mafic dike. As magnetic as WR. At 55 TCA, same dip direction as previous Qtz, carb vn.
411.53	416.94	7a	Red QFP, medium grained phenos. Upper contact bound by 2,3cm qtz,carb vn at 40 TCA. Lower contact bound by 0.5cm carb breccia at 40 TCA. Non magnetic
416.94	428.40	2g	Mafic Volcanic, coarse chl flecks, intermittently massive. Strongly magnetic.
428.40	452.00	7a	Red QFP, coarse phenos. Core becomes very blocky at 446.75. Possibly two phases i) brick red, larger and more abundant phenos. ii) Red,Pink, more abundant mafics (Hbl? Chl?

METERAGE			
FROM	TO	CODE	DESCRIPTION
452.00	453.44	2d	Massive, fine grained, grey,black, moderately magnetic. 1,2mm qtz vn with hem developed in margin from 452.95m, at 20,25 TCA.
453.44	454.97	7a	Red QFP, 1,3mm sized phenos. Non,magnetic. Moderate fabirc at 50 TCA. An enclave of chilled QFP is intruding mafic volcanic at upper contact. Lower contact weakly irregular, at 50 TCA.
454.97	469.72	2d	Massive, fine grained, grey,black, moderately magnetic. Brittle farcture zones from 456.7, 457.0m, qtz,carb fill, at 40 TCA. Chl vn (EDM?) from 455.43m at 30 TCA. Minor (0.5 cm) carb, hem shears (?) from 458.55,469.72m, 4,5 over interval, at 55 TCA.
469.72	470.36	7a	Medium,coarse, red, QFP. Feldspar phenos upto 0.5cm, weak,moderate sericitization. Non, magnetic.
470.36	472.58	2c	Mafic volcanics with coarse chl flecks. Moderately magnetic.
472.51	473.60	7a	Red,pink QFP, increased mafic minerals. Upper and lower contacts clearly intrusive, flow banding in the core of interval.
473.60	485.23	2c	Mafic volcanics with coarse chl flecks. Moderately magnetic. 479.45,479.90m: dss Py marginal to 1,2cm vn,bx, with dark (chl?) matrix from 479.61m at roughly 50,55TCA.
485.23	486.50	2a	Amygdaloidal basalt. Amyg fill chl,carb +/, Py,Cpy
486.50	487.35	CBFrz	Very blocky core. The largest fragement (10cm) has CBrZ structures at 10 TCA.
487.35	488.10	7a	Red, fine grain QFP. Phenos upto 2mm. Upper contact still intact, appears intusive: irregular, red colouration of upper unit, chill margin. Rock is brecciated (tectonic) from 487.55,487.75 with red hematite fill in fractures.
488.10	490.00	8a	Complex upper contact: remnant wedge of 2a (amyg basalt) shares sharp, intrusive looking contact with QFP at 65 TCA. Immediately after this is a sharp contact between amyg basalt and mafic dike at 20 TCA. Very broken core from 488.3,488.5m.
490.00	490.32	7a	Dark red, fine grain QFP (rhylolite?). Fabric at 40 TCA. Contacts at 50 TCA. Cpy blebs (upto 1cm) occurs at contact.
490.32	492.85	8a	Grey,black, aphanitic, strongly magnetic. Py,Cpy occurs in fractures (0,2mm) throughout, overall trace, orientations vary.
492.85	497.90	2g	Medium grained basalt with ophitic,gabbroic texture. Strongly magnetic. Upper contact looks chilled at 45 TCA. Cpy occurs in thin (<3mm) fractures, disseminated, and in relict chl veins.

METERAGE			
FROM	TO	CODE	DESCRIPTION
497.90	501.80	7a	Mottled looking, red,orange,grey/green/red, QFP. Phenos up to 4mm. Trace Cpy (and Mo?) occurs throughout.
501.80	503.04	2d	Massive basalt. black, fine grained. Mafic dike? Trace cpy occurs in fractures throughout.
503.04	503.40	2d	Carbonate vein breccia. Clasts are angular, brown. Upper contact is modertate chloritized. At 40 TCA.
503.40	504.76	2d	Massive basalt. Albitization of plagioclase? Fine, white laths occur through out. Unit has weak, moderate DZ from previous structure, occurs as thin (<2mm) red fracture fillings. Trace, very fine py disseminated throughout.
504.76	509.30	7a	Medium grained, red QFP. Phenos upto 4mm. Trace Cpy occurs throughout. Regular, every 1, 5cm, fractures filled with calcite throughout, most prevalent from 505.5,506.0m, at 60 TCA. 507.75,508.20m: Mafic volcanic xenolith.
509.30	511.75	8a	?, very blocky core. Little white laths are present. Fragment of CBrZ vein present sub // TCA. Unit ends in fault contact, with carbonate shear and slickenslides at 20 TCA. 509.10m: Cpy observed replacing semi,massive magnetite.
511.75	514.00	2a	Amygdaloidal basalt. Dark green chl amyg fill. Strongly magnetic.
514.00	515.60	7a	Red fine,medium grained QFP. Coarse black flecks occur throughout, most abundant from 515.0,515.3m. Weak fabric at 50 TCA. Sharp, slightly irregular upper conatct at 45 TCA. Moderately irregualr lower conatct with QFP chill margin.
515.60	517.05	2d	Massive basalt. Dark remnant structure that are almost assimilated with host rock. Possibly a large xenolith? Lower contact is irregular at roughly 30 TCA. Weak,non magnetic.
517.05	517.90	7a	Fine,medium grained, red QFP. Coarse black flecks increase toward base. Weak fabric at 60 TCA.
517.90	521.72	2i	Top of unit appears to be amygdaloidal basalt, or massive balasalt with chl flecks. " Daisy Stone" porphyroblasts first appear at 518.3m, but isolated occurrence. Weak "Daisy stone" starts at 519.32m and gradually increases to moderately abundant porphyroblasts at base. Mostly, porphyroblasts are a orange,cream colour, but locally are grey,white. 521.5m: 1,2cm "Daisy stone" vein. 1,2% cpy. In nodules with dark mineral.
521.72	523.46	2d	? Top of unit is strongly chilled: black, aphanitic, almost looks like a mafic dike. Grades to fine grain, grey, sparsely amygdaloidal basalt. Upper contact at 40 TCA. Trace Cpy,Py in fracture planes and in amygdules toward base.
523.46	528.27	7a	Coarse grained, red QFP. Phenos upto 0.5cm, feldspar are moderately sericitized. Upper contact appears intrusives, a finger of QFP extends upward into overlying mafic unit. Py occurs as accretions upto 0.5cm, most abundant from 525.35,525.65, replacing Fe,Mgs (?). Trace bn observed in Py zone.

METERAGE			
FROM	TO	CODE	DESCRIPTION
528.27	530.07	2d	? Similar to unit from 521.72,523.46m, but in reverse. Top of unit appears weakly amygdaloidal, grades to grey massive basalt, and appears strongly chilled at base. Mafic dike occurs from 529.12,529.14m at 60 TCA. Unit is also cut by several chl filled fractures with, reddish alteration halos, and variable amounts of Cpy, these structures are commonly cut by later qtz,carb vns. 528.36m: semi,massive Cpy,Py over 3,4cm. Appears as if it is replacing the groundmass. It also occurs in fractures/veins. 528.67m: 1,2mm Fracture/vein with Cpy, a black mineral (act? Chl?) and a reddish halo upto extending upto 0.5cm from structure. At 70 TCA. 528.94m: 0.5cm fracture filled with black chl and trace cpy, at 65 TCA (same dip direction as previous). 529.25m: 1,2mm Chl frac/vn with semi massive cpy.
530.07	534.48	2i	Strongly porphyroblastic "daisy stone", upto 50,60% plag. Intermittent red,cream colour plag laths, colourless grey to white adjacent to structures. 530.52m: 1,3mm Qtz,carb vn, colourless grey,white alteration extends upto 1cm in hanging wall with trace Cpy. 532.58,533.03m: Moderate,strong pottassic alteration (pale pink,orange alteration), associated with possible vn bx structure at 55 TCA. 1,2% Cpy occurrs throughout interval in frac/vn fragments (?).
534.48	535.48	7a	reddish feldspar porphyry, its banded though suggesting rhyolitic flow but contacts knife sharp, upper at 90 TCA, lower varaible in contact with mafic dyke, strong hem alteration, minor blebby py assocaited with chl,rich fractures, 5% qtz,eyes, 5% ferro,mags, banding 45,60 TCA
535.48	537.93	8a	aphanitic mafic dyke with a raft of daisey rock in it at upper contact, finely crackled with hairwidth hem+/,quart,carb coated/filled fracturess, very hard unit, minor cpy and py associated with some fractures, discontiuous in nature, matrix fill of 2cm bx at 536
537.93	538.50	2i	remnant of upper daisey rock unit, minor blebs of py and cpy NOTE: the lower contact of the daiseyrock has been intruded by a feldspar porphyry and later intruded by mafic dyke
538.50	541.10	8a	aphanitic as above, same crackled appearance with hem,qtz,carb coated fractures, minor later qtz,carb,chl vnlts from 540.12,540.73 sub// TCA with pyrite along vnlt walls, also a thick 3cm qtz,carb vein 20 TCA at 539.9, lower contact broken with 20cm section with 4cm qch + 1 x 1cm qch and strong hematization suggesting faulted contact
541.10	561.00	2d	very fine grained mafic volcanics, massive, possible mafic dyke rafts or offshoot intrusive around 556m, minor late thin fractures either hem dominant or late thin vnlts with qtz,carb, chl, rare sulphides, strongly magnetic 545.65,546.8m, weak CBrFZ highlighted by 12cm qch breccia at 546m, section strongly hematized, 7+ other 2,4cm sections with late qch veins/bx, general trend 50,65 TCA 547.20,547.28m, 4cm silica,chl,kspar,epd vein/shear 30 TCA

METERAGE			
FROM	TO	CODE	DESCRIPTION
			549.9m, thin 1mm qtz,chl dominant vnlt 15 TCA with pyrite 551.5m 1x2cm qtz,carb,hem,chl vein 45 TCA
561.00	584.24	2a/2c	above unit appears to gradationally change to a lighter pale grey green amygdaloidal to chl flecked flow, coarser graine than above unit, weak epd overprint of groundmass, amygdules are small, 1,2mm across, chl filled with chl going to weak pale epd? and a late overprint of the amygdules intermittently wit kspar, 583.73m 1 x3cm qch 60 TCA, 584m, 1 x 2cm qch 60 TCA, 584.17m 1 x 2cm qch 55 TCA chalcopyrite with subordinate pyrite minerlaization starting to appear at about 573m, comes in different forms from replacement of amygdules associated with qtz,carb,kspar, along fine discontinous fracture fills, even a matrix fill at 573.13 over 3cm brecciated section kspar overprint of either amy's and/or groundmass is intermittent
584.24	595.24	2e?	this is a coarser grained unit, medium grained, stronger late kspar overprint of groundmass then previous unit but intensity still variable and intermittent, minor red hem,qtz,carb coated fractures, coarser chalcopyrite here predominantly in silica,chl,kspar+/,epd veins (586m and 586.67m), finer cpy and py associated with fine offshoot fractures, rarer blebby cpy 586.18m, 1 x 2cm qch vein 70 TCA 587m, 1 x 5cm qtz,carb,hem vein 60 TCA 592.33m, 1 x 2cm qch vein 50 TCA possible 14cm dykelet at 592m 50 TCA
595.24	602.75	7a	red feldspar porphyry, both contacts sharp and chilled and darker brown due to assimilation of country rock, 5,10% small quartz dominant pheno's, <5% ferro,mags, some altered to muscovite, minor fractures coated with chlorite+/,hematite 599.68,600.18m, minor 1% fine pyrite blebs and one bleb of cpy associated with a well fractured section
602.75	630.77	2e	medium to coarse grained, massive, moderately magnetic, rare qtz,carb,hem coated fractures, minor late white quartz,z+/,carb veinlets, intermittent weak potassic overprint (kspar) in places, intermittent very weak 'daiseystone' development 603.25m, minor pyrite coating open fracture 603.57m, one 0.5cm bleb of cpy associated with a 1cm interval/vein hosting kspar,chl,silica+/, hem 609.44,609.5m, very weak daiseystone 611.12,611.5m, intense epidote alteration associated weak fault gouge 614,614.5m, weak daiseystone development 618.84m, 1 x 1cm qch vein 80 TCA lower contact gradational to a coarse grained gabbroic looking unit (ultra,mafic?)
630.77	657.37	2g	black, coarse grained gabbro, massive, moderately magnetic, minor late qtz,carb,hem fractures/veinlets at various angles, minor late white quartz+/,carb+/,chl veinlets/fractures mostly 30,60 TCA, minor chl dominant filled breaks/gashes/veinlets

METERAGE			
FROM	TO	CODE	DESCRIPTION
657.37	659.39	8a	black aphanitic mafic dyke, upper contact 50 TCA, moderately crackled by chl+/,quartz to a weak breccia appearance, strongly magnetic
659.13	662.13	2f	dark green black chloritic mafic fragmental, very hard, dense, moderately magnetic
662.13	662.63	4	pink,red rhyolitic flow, banded 80 TCA, contacts knife sharp, 5% minute qtz pheno's/eyes. 5% ferro,mags, contacts variable but sub,perpendicular TCA
662.63	665.79	2f	mix of massive mafic volcanics and fragmnetal, very chloritic fragmentals, down to 663.75 has a talcy soapstone feel and is softer than surrounding mafics, fragmental has a fine white felcked appearance, it's not qtz,carb, albite?,2 small blebs of cpy from 664.7,664.87m
665.79	668.37	2y	pillowed basalt? Fine grained dark pillow rims that migrate inwards to a coarser crackled pillow, some pegmatoidal looking centers (kspar alteration?) with associated chalcopyrite mineralization in coarse blebs and along fine fractures, wide up to 40 cm sections of fine grained massive volcanics but in sharp contact with pillowed? lavas
688.37	671.51	2d	light grey,green massive very homogenious fine grained mafic volcanics? Or a dyke? Sharp contact with pillowed lava's, moderately magnetic, rare bleb of cpy, 2mm vnlt at 670.61m with fine pyrite, cpy, chl, silica
671.51	673.66	2y	crackled, pegmatoidal kspar overprinted pillows? Still looks like fine fained pillow rims migrating inwards to coaser pegmatoidal center, minor cpy in discontinous fractures, blebs associated with an irregular shaped quartz,carb mass and as individual blebs in the groundmass
673.66	674.90	2d	or mafic dyke, light grey, sharp contacts, upper 10 TCA, lower 40 TCA, fine grained, massive, homogenous except for irregular grey quartz,feldspar mass at 674.33m, 3x3cm across
674.90	676.45	2y	pillowed lava's as above, minor fine cpy in thin hairwidth fractures and as random blebs
676.45	685.70	2d	fine frained, massive, moderately magnetic, minor fractures/vnlts hosting quartz,carb,hem, minor irregular masses of quartz,feldspar (pegmatoidal?) sharp irregular contacts with a dyke or interflow volcanics 676.55,678.3m, broken, fractured, remnant 3mm qtz,carb,chl veinlet // TCA fine blebs of cpy at 682.58m and around 683m this unit looks like it's been dyked, lower sharp contact 15 TCA and veined with kspar,silica,chl and minor cpy
685.70	691.44	2f	pegmatoidal mafic volcanics, massive, green and chloritic, minor clots and/or pssible fragments and or sections with a kspar overprint, white flecked in places (albite?), minor cpy in coarse clots, discontinuos fracture filled and as random blebs
691.44	695.40	2d	massive, fine grained, grey, moderatley magnetic

METERAGE			
FROM	TO	CODE	DESCRIPTION
			693.83,694.6, DZ, fractured, broken, 1 x3cm qch 30 TCA plus other subordinate qch fractures/vnlts
695.40	698.00	2y	pillowed lavas as above, definitive pillow at 696.7m, concentric rim in core with pegmatoidal center minor blebs of cpy and in discontiuous fractures, py coated 697.9
698.00	700.30	8a	qtz,eye mafic dyke, dark grey, massive sharp contacts, upper and lower 40 TCA, unit contains 5, 7% mm sized round qtz,eyes, also contains large up to 10cm granite fragments, also contains 2, 3% fine pyrite
700.03	707.52	2d	green, chloritic, massive, fine grained, moderately,strongly magnetic, rare pegmatoidal areas
707.52	731.67	2y	coarse pillowed basalts, rims can be 40,80cm apart characterized by fine grained black 2,4cm sections working inward to a crackled pegmatoidal center, moderately magnetic, minor late 1,3mm white qtz,carb vnlts generally 60 TCA, minor kspar overprint in blotches and irregular masses minor cpy in blebs, discontinous fractures and coarse clots, sometimes associated with quartz, chl+/,mt veining minor secondary magnetite in fine fractures/vnlts and as rounded blebs especially 726,731m 730.32 and 731.25m, 1cm quartz,carb,kspar,chl vein 30 TCA with fine disseminated py and cpy
731.67	733.54	2d	DZ, strongly hematitic, strongly brecciated by quartz,carb,hem veins/fractures, upper and lower contact sharp at 30 and 45 TCA, general veining/fracturing sub,perpendicular TCA
733.54	734.15	BX	quartz,carb,chl,py breccia or possible healed fault gouge, contacts sharp at 45 upper and 30 lower TCA, 5% fine disseminated py throughout, some kspar overprint of some of the fragments
734.15	750.12	2d/2y	a mix of pillowed pegmatoidal basalts and fine grained massive mafic volcanics, minor late qch fracturing/vnlts, kspar overprint in pegmatoidal masses and clots, minor hem alteration around fracturing into wallrock, white flecky (albite?) appearance elsewhere, rims and pillows as described before in upper sections, chalcopyrite and/or pyrite mineralization in fine blebs, coarser clots associated with white quartz,chl veining/breaks and qtz masses or fine blebs in groundmass, it appears wherever there is space mineralization will form, some evidence of associated secondary magnetite with cpy replacement (752m namely)
750.12	757.37	2d	fine grained, mostly massive, moderately magnetic, intermittent sections where crackled and/or weakly brecciated/fragmentally looking, minor late qch vnlts/fractures /, chlorite, chalcopyrite and/or pyrite in fine blebs or as dissmenations along dark chloritic looking shears or in hairwidth fine fractures, some evidence of magnetite replacement 753.1m 1 x 3cm grey quartz,chl,mt vein 90 TCA with 10% cpy,py in clots, disseminations 755.18m, 1cm vein of 90% semi,massive chalcopyrite vein associated with a brecciated section from 755.1,755.32m, minor hem alteration in bx

METERAGE			
FROM	TO	CODE	DESCRIPTION
757.37	760.00	7a	pinkish,red feldspar porphyry, upper contact sharp 40 TCA, lower contact broken, minor late quartz,carb+/, chl fractures, strange ophiolitic texture to it, 758.91,759.25m bleached to cream pale green colour with weak epd alteration
760.00	771.00	2y	pillowed basalts with pegmatoidal sections, weakly magnetic, minor hem coated fractures pyrite dominated mineralization with subordinate chalcopyrtie and coarse magnetite, most of minerlaization as fine disseminations in pillow rims, some in random blebs and coarser clots and in quartz,chl+/,mt veins, kspar overprint of pegmatoidal sections? 761.65,762m, strong hem and chl alteration, brecciated by late qch 5cm across 45 TCA 765m, 20cm section with feldspar porphyry rafts
771.00	776.89	7a	red hematitic feldspar porphyry, upper ontact sharp at 45 TCA, lower one hard to tell, 5,10% small qtz pheno's and qtz eyes, 2,4% fero,mags, 772.6,772.93m, large irregular shaped raft of mafic volcanics moderatley fractured/jointed with chl,sericite,hem, thin 1mm qtz,carb vnlt 30 TCA with fine cpy,py
776.89	777.87	2d	weakly brecciated by qtz,chl
777.87	789.30	7a	red to light pink feldspar porphyry, weakly porphyritic, 5,10% ferro,mags mostly altered out to muscovite/sericite, moderately fractured/jointed at various angles but generally 30 TCA, chl, sericite+/,hem coated rare bleb of py, lower contact sharp 75 TCA
789.30	795.42	2d	grey,green fine grained massive volcanics with minor pegmatoidal masses, minor hem coated fractures, 793.9,794.42m raft or offshoot of feldspar porphyry which is tension gashed at shallow angles TCA filled with chl,hem,and the soft teal coloured mineral (sericite?), very soft mower contact variable, minor cpy blebs at 794.84m
795.42	802.95	7a	brick red feldspar porphyry, large up to 0.5cm lighter red pheno's with small specks of ferro, mags inside, minor qtz,eyes, chl dominated coated fractures/joints, weak banding at 803.3 75 TCA, thin 1mm discontinous fracture with cp at 798.8m
802.95	809.86	2f	pegmatoidal mafic volcanics, could be pillowed, variably magnetic, mostly weakly however there is coarse secondary magnetite, 806.1,806.6m weakly sheared/brecciated with late qtz, carb fractures/vnlts and deep red hem+/,chl veining/fracturing., general trend 40 TCA 805.4,805.68m, weakly brecciated/sheared with deep red hem fractures and fine cpy with subordinate secondary magnetite minor rare bleb of cpy in rest of unit, lower contact brecciated over 14cm
809.86	820.00	7a	red feldspar porphyry, very broiken and fractured, chl dominated fracture coating, 5% feldspar pheno's up to 0.5cm across, minor sections of strong fracturing and weak to strong bleaching with minor pyrite 810.1,810.3m, srringly fractured/veined, wk bx with minor diss py

METERAGE			
FROM	TO	CODE	DESCRIPTION
			815.73,815.94m, strongly bleached to pale cream green, strongly fractured with chl,sericite 40 TCA, 2,3% associated fine pyrite
820.00	821.00	2d	both contacts broken, pegmatoidal mafic volcanics, minor hem coated fractures,
821.00	822.93	7a	very broken, crumbly, contact angles hard to determine
822.93	831.93	2f	pegmatoidal mafic volcanics, minor late qtz,carb,hem bx sections, ie 824.86,824.96 and 830.5, 850.54 genrally at 45 TCA, minor cp at 827 over a 5cm in discontiuous fractures, lower contact brecciated over 40cm with chl,qtz,carb matrix and 1 x1cm vein at 40 TCA
831.93	839.50	7a	very broken and fractured red felsite feldspar porphyry, chl dominated coated fractures, rare qtz,carb fractures
839.50	853.00	2f	weakly pegmatoidal mafic volcanics, strong pegmatoidal texture down to 841m, minor late qtz, carb,hem,chl vnlts/fractures generally 60 TCA 845.6,845.55m, very broken 847,847.5m, strongly hematized, weakly brecciated by qtz,carb filled tension gashes and minor veinlets 848,849.59m, massive with pegmatoidal kspar(?) overprint as seen before, minor 1,2mm clots of cpy and cpy in discontinuous fractures 849.59,853m, breccia zone at 30 TCA, core fairly broken, strong hematization of groundmass, breccia matrix occupied by quartz+/,carbonate+/,chlorite+/,hematite+/,minor cpy, zone highlighted by a silicfied breccia from 851.6,851.2, general fabric 30 TCA, minor clots of coarse magnetite partially replaced by cp and/or py chalcopyrite in breccia zone associated with quartz,carb,chl veins/fractures/clots
	EOH		

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319294	23.2	24.2	1.00
R319295	1/4 Dup		
R319296B	25	26	1.00
R319297	41.35	41.7	0.35
R319298	44	44.4	0.40
R319299	56	57	1.00
R319300	57	58	1.00
R319301	58	58.7	0.70
R319302	58.7	59	0.30
R319303	Blank		
R319304	59	60	1.00
R319305	60	61	1.00
R319306	61	62	1.00
R319307	62	62.33	0.33
R319308	62.33	62.63	0.30
R319309	62.63	63	0.37
R319310	63	64	1.00
R319311	CM,36		
R319312	64	65	1.00
R319313	65	66	1.00
R319314	66	66.4	0.40
R319315	66.4	67	0.60
R319316	67	68	1.00
R319317	68	68.5	0.50
R319318	68.5	69	0.50
R319319	69	70	1.00
R319320	70	70.6	0.60
R319321	101a		
R319322	70.6	70.9	0.30
R319323	70.9	71.9	1.00
R319324	71.9	72.9	1.00

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319325	72.9	73.9	1.00
R319326	73.9	74.9	1.00
R319327	74.9	76	1.10
R319328	76	77	1.00
R319329	77	77.73	0.73
R319330	1/4 Dup		
R319331B	77.73	78.03	0.30
R319332	78.03	78.78	0.75
R319333	80.07	80.51	0.44
R319334	89.17	89.47	0.30
R319335	90.21	90.71	0.50
R319336	125	125.8	0.80
R319337	128	128.3	0.30
R319338	Blank		
R319339	246.03	246.56	0.53
R319340	246.51	246.71	0.20
R319341	249.75	250.1	0.35
R319342	251.82	252.82	1.00
R319343	252.82	253.82	1.00
R319344	253.82	254.82	1.00
R319345	254.82	255.82	1.00
R319346	CM,36		
R319347	255.82	256.32	0.50
R319348	264.6	264.9	0.30
R319349	272.4	273.05	0.65
R319350	282.37	282.67	0.30
R319401	286.7	287	0.30
R319402	288	288.5	0.50
R319403	291.41	292.41	1.00
R319404	292.41	293.41	1.00
R319405	293.41	293.85	0.44

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH
R319406	101a		
R319407	293.85	294.15	0.30
R319408	305	306	1.00
R319409	306	307	1.00
R319410	307	308	1.00
R319411	308	309	1.00
R319412	309	310	1.00
R319413	310	311	1.00
R319414	311	312	1.00
R319415	1/4 Dup		
R319416B	312	313	1.00
R319417	313	313.45	0.45
R319418	313.45	313.85	0.40
R319419	313.85	314.4	0.55
R319420	314.4	315	0.60
R319421	315	316	1.00
R319422	316	317	1.00
R319423	Blank		
R319424	317	318	1.00
R319425	318	319	1.00
R319426	319	320	1.00
R319427	320	321	1.00
R319428	321	322	1.00
R319429	322	323	1.00
R319430	323	324	1.00
R319431	CM,36		
R319432	324	325	1.00
R319433	325	326	1.00
R319434	326	327	1.00
R319435	327	328	1.00
R319436	328	329	1.00
R319437	329	329.35	0.35
R319438	329.35	330	0.65
R319439	330	331	1.00
R319440	331	332	1.00
R319441	101a		
R319442	332	333	1.00
R319443	333	333.3	0.30
R319444	333.3	334	0.70
R319445	334	335	1.00
R319446	335	336	1.00
R319447	336	337	1.00
R319448	337	337.52	0.52
R319449	337.52	338	0.48
R319450	1/4 Dup		
R319451B	338	339	1.00
R319452	339	340	1.00
R319453	340	340.5	0.50
R319454	340.5	340.9	0.40
R319455	341.34	342	0.66
R319456	342	342.76	0.76
R319457	342.76	343.58	0.82
R319458	Blank		
R319459	343.58	344	0.42
R319460	345.15	345.5	0.35
R319461	345.5	346.7	1.20
R319462	346.7	347.7	1.00
R319463	347.7	347.95	0.25
R319464	347.95	348.5	0.55
R319465	348.5	349.05	0.55
R319466	CM,36		
R319467	349.05	349.6	0.55

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319468	349.6	350	0.40
R319469	350	351	1.00
R319470	351	352	1.00
R319471	352	352.36	0.36
R319472	352.36	352.85	0.49
R319473	355.73	356.73	1.00
R319474	359	360	1.00
R319475	362.5	362.8	0.30
R319476	101a		
R319477	362.8	363.9	1.10
R319478	363.9	366	2.10
R319479	366	367	1.00
R319480	367	368	1.00
R319481	368	369	1.00
R319482	369	369.43	0.43
R319483	369.43	369.77	0.34
R319484	369.77	370	0.23
R319485	1/4 Dup		
R319486B	370	371	1.00
R319487	371	372	1.00
R319488	372	373	1.00
R319489	373	374	1.00
R319490	374	374.54	0.54
R319491	374.54	375	0.46
R319492	375	375.54	0.54
R319493	Blank		
R319494	375.54	376.24	0.70
R319495	376.24	376.56	0.32
R319496	376.56	377.56	1.00
R319497	382	383	1.00
R319498	384	385	1.00

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319499	389	390	1.00
R319500	391.26	391.63	0.37
R319501	CM,36		
R319502	391.63	392	0.37
R319503	393	394	1.00
R319504	402	403	1.00
R319505	407	408	1.00
R319506	420	421	1.00
R319507	432.55	433.77	1.22
R319508	432.77	433.07	0.30
R319509	433.07	433.57	0.50
R319510	454.23	454.53	0.30
R319511	101a		
R319512	479.45	479.9	0.45
R319513	479.9	480.18	0.28
R319514	480.18	480.59	0.41
R319515	480.59	481.1	0.51
R319516	485.25	485.6	0.35
R319517	485.6	485.9	0.30
R319518	485.9	486.57	0.67
R319519	487.25	488.1	0.85
R319520	1/4 Dup		
R319521B	488.5	489.5	1.00
R319522	489.5	490	0.50
R319523	490	490.35	0.35
R319524	490.35	490.75	0.40
R319525	490.75	491.26	0.51
R319526	491.26	491.82	0.56
R319527	491.82	492.28	0.46
R319528	Blank		
R319529	492.28	492.58	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319530	492.58	492.95	0.37
R319531	492.95	493.95	1.00
R319532	493.95	494.37	0.42
R319533	494.37	494.67	0.30
R319534	494.67	495	0.33
R319535	495	495.55	0.55
R319536	CM,36		
R319537	495.55	495.85	0.30
R319538	495.85	496.41	0.56
R319539	496.41	496.88	0.47
R319540	496.88	497.18	0.30
R319541	497.18	497.48	0.30
R319542	497.48	497.78	0.30
R319543	497.78	498.08	0.30
R319544	498.08	499.08	1.00
R319545	499.08	500.08	1.00
R319546	101a		
R319547	500.08	500.38	0.30
R319548	500.38	501	0.62
R319549	501	501.55	0.55
R319550	501.55	502	0.45
R319551	502	502.85	0.85
R319552	502.85	503.15	0.30
R319553	503.15	503.4	0.25
R319554	503.4	504.27	0.87
R319555	1/4 Dup		
R319556B	504.27	504.63	0.36
R319557	504.63	505	0.37
R319558	505	506	1.00
R319559	506	507	1.00
R319560	507	507.7	0.70

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319561	507.7	508.2	0.50
R319562	508.2	508.9	0.70
R319563	Blank		
R319564	508.9	509.22	0.32
R319565	509.22	510	0.78
R319566	510	511	1.00
R319567	511	511.77	0.77
R319568	511.77	512.85	1.08
R319569	512.85	514	1.15
R319570	514	515	1.00
R319571	CM,36		
R319572	515	515.62	0.62
R319573	515.62	516.6	0.98
R319574	516.6	517	0.40
R319575	517	517.9	0.90
R319576	517.9	518.9	1.00
R319577	518.9	519.9	1.00
R319578	519.9	520.66	0.76
R319579	520.66	521.1	0.44
R319580	521.1	521.4	0.30
R319581	101a		
R319582	521.4	521.7	0.30
R319583	521.7	522.4	0.70
R319584	522.4	522.8	0.40
R319585	522.8	523.2	0.40
R319586	523.2	523.5	0.30
R319587	523.5	524.5	1.00
R319588	524.5	525	0.50
R319589	525	525.5	0.50
R319590	1/4 Dup		
R319591B	525.5	526	0.50

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319592	526	527	1.00
R319593	527	528	1.00
R319594	528	528.3	0.30
R319595	528.3	528.7	0.40
R319596	528.7	529.28	0.58
R319597	529.28	530.1	0.82
R319598	Blank		
R319599	530.1	530.4	0.30
R319600	530.4	530.7	0.30
R319601	530.7	531.73	1.03
R319602	531.73	532.56	0.83
R319603	532.56	533.08	0.52
R319793	534.48	535.48	1.00
R319794	535.48	536	0.52
R319795	536	536.42	0.42
R319796	536.42	537	0.58
R319797	537	538	1.00
R319798	538	538.5	0.50
R319799	538.5	539.83	1.33
R319800	1/4 dup		
R319801B	572	572.85	0.85
R319802	572.85	574	1.15
R319803	574	575	1.00
R319804	575	576	1.00
R319805	576	577	1.00
R319806	577	578	1.00
R319807	578	579	1.00
R319808	Blank		
R319809	579	580	1.00
R319810	580	581	1.00
R319811	584.24	584.94	0.70

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319812	584.94	585.25	0.31
R319813	585.25	586	0.75
R319814	586	587	1.00
R319815	587	588	1.00
R319816	CM,36		
R319817	588	589	1.00
R319818	589	590	1.00
R319819	590	591	1.00
R319820	591	592	1.00
R319821	592	593	1.00
R319822	593	594	1.00
R319823	594	595.24	1.24
R319824	599.68	600.18	0.50
R319825	665.79	666.55	0.76
R319826	101a		
R319827	666.55	667.34	0.79
R319828	671.51	672	0.49
R319829	672	672.5	0.50
R319830	672.5	673	0.50
R319831	673	673.66	0.66
R319832	673.66	674.9	1.24
R319833	674.9	675.6	0.70
R319834	675.6	676	0.40
R319835	1/4 Dup		
R319836B	676	676.55	0.55
R319837	685.46	686	0.54
R319838	686	686.5	0.50
R319839	686.5	687	0.50
R319840	687	687.5	0.50
R319841	687.5	688	0.50
R319842	688	688.5	0.50

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319843	Blank		
R319844	688.5	689	0.50
R319845	689	689.5	0.50
R319846	695.4	696	0.60
R319847	696	697	1.00
R319848	697	698	1.00
R319849B	698	699	1.00
R319850	699	700.3	1.30
R319851	715.5	716	0.50
R319852	CM,36		
R319853	716	716.5	0.50
R319854	716.5	717	0.50
R319855	717	717.5	0.50
R319856	717.5	718	0.50
R319857	718	718.5	0.50
R319858	728.41	728.71	0.30
R319859	730.24	730.65	0.41
R319860	730.65	731.1	0.45
R319861	731.1	731.42	0.32
R319862	101a		
R319863	733.54	734.15	0.61
R319864	736.7	737	0.30
R319865	741.1	741.5	0.40
R319866	747.4	748	0.60
R319867	748	748.57	0.57
R319868	748.57	749	0.43
R319869	749	749.42	0.42
R319870	749.42	750.12	0.70
R319871	1/4 dup		
R319872	752.56	753.25	0.69
R319873	753.25	754	0.75

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319874	754	755	1.00
R319875	755	755.32	0.32
R319876	755.32	756	0.68
R319877	756	757	1.00
R319878	Blank		
R319879	757	757.37	0.37
R319880	760	761	1.00
R319881	761	762	1.00
R319882	762	763	1.00
R319883	763	763.63	0.63
R319884	763.63	764.09	0.46
R319885	764.09	764.59	0.50
R319886	CM,36		
R319887	764.59	765.47	0.88
R319888	765.47	766	0.53
R319889	766	767	1.00
R319890	767	768	1.00
R319891	768	769	1.00
R319892	769	770	1.00
R319893	770	771	1.00
R319894	805.3	805.68	0.38
R319895	815.57	815.87	0.30
R319896	101a		
R319902B	847	848	1.00
R319903	848	849	1.00
R319904	849	849.59	0.59
R319905	849.59	850.86	1.27
R319906	850.86	851.6	0.74
R319907	851.6	852.2	0.60
R319908	852.2	853	0.80

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-05**	North Gimlet Regional Gravity	Orbit Garant Inc.	M. Quinn and M. Kilbourne

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
4249946	March 15, 2015	April 5, 2015	1019

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T	5209338	677552	352

DEPTH	DIP	AZIMUTH
COLLAR	-50	225
200	-48.5	225
400	-46.2	225
600	-42.3	225
800	-40.9	225
1000	-37.9	225

COMMENTS

METERAGE			
FROM	TO	CODE	DESCRIPTION
0.00	5.00	OVB	
5.00	20.52	2a	Amygdaloidal basalt. Blue,green chl +/, kspar +/, magnetite amyg fill. Strong alteration has turned rock a dark indigo,green,black, obscures original textures. Intermittent potassic alteration. Variably magnetic. 7.03m: 1.5cm Qtz,carb vn. Dissolution (?) gives vein a vuggy, rotting appearance. At 50 TCA. 7.10,10.50m: Potassic alteration expressed as kspar in amyg, metasomatism of groundmass, and Mt vns/alteration. 12.08,12.39m: Minor interval of pink,red felsite. Very siliceous. 16.00,20.52: Potassic alteration expressed as kspar in amyg, metasomatism of groundmass, and Mt vns/alteration. 16.8: 0.4cm magnetite vn at 70 TCA. 20.22m: 0.3cm partial magnetite vn at 70 TCA.
20.52	21.40	7	Felsite. Pink,greyish pink. Very siliceous. Highly fractured.
21.40	25.92	2a	Amygdaloidal basalt. Blue,green chl +/, kspar +/, magnetite amyg fill. Strong alteration has turned rock a dark indigo,green,black, obscures original textures. Variably magnetic.
25.92	29.17	6	???. Originally a flow top breccia? Rock has mottled appearance of indigo,dark green, deep salmon,purple. Moderate hornsfel? Varibaly magnetic. 27.9,28.1m: Potassic alteration expressing as salmon metasomatization and magnetite alteration.
29.17	33.97	2b	Sparsely amygdaloidal basalt. Blue,green chl,ep amyg fill. 32.27,32.60m: Vn breccia. Main breccia from 32.52,32.60. Strong Ep alt of wall rock. At 45 TCA.
33.97	43.08	2a	Amygdaloidal basalt. Very block core over short interval at upper contact. Overall, rock has a earthy lustre. Diffuse dark patches occur throughout that are strongly magnetic (magnetite alt.)
43.08	52.52	2a	? Host to moderate,strong CBrZ. Host rock has earthy lustre, moderate,strong pervasive epidote alt. Carbonate in mostly pinkish,orange. Two CZ from 43.6,44.3m and 51.93,52.50m, both at 20,25 TCA.
52.52	62.92	2b	Sparsely amygdaloidal basalt. Intermittent, moderate,strong ep alt. Rusty looking alteration occurs from 57.75,58.60m, magnetite occurs in amygdules with red rims, moderate,strongly magnetic. Overall, unit is weakly magnetic.
62.92	63.10	8a	Short interval of mafic dike. Moderate,strongly magnetic. Sharp contacts at 60 TCA.
63.10	63.91	2d	Massive basalt. Moderately magnetic.
63.91	64.76	8a	Mafic Dike. Fine,medium grained core. Sharp contacts at 60 TCA.

METERAGE			
FROM	TO	CODE	DESCRIPTION
64.76	66.37	2d	? Core is moderately blocky/broken. Strong epidote alteration. Trace,2%, fine,coarse, cubic pyrite occurs throughout.
66.37	67.38	8a	Mafic Dike. Fine,medium grained core. Irregular contacts. Embayment of lower unit towards base hosts coarse pyrite. 1 cm nodule of Kspar (?, red,pink silicate) hosts possible cpy intergrowths.
67.28	68.48	2d	? 8a? Host to epidote crackle breccia with 1% Py dss throughout matrix. Very fine pyrite is disseminated upto 0.5cm into lower unit. Irregular contacts.
68.48	71.53	2b	Sparsely amygdaloidal basalt. Strongly altered, original textures almost assymilated. Rock is most a dark indigo,dark green colour. Vibrant dark salmon,red mixed with a black micaceous alteration occurs from 70.59,70.83m, non,magnetic. Overall unit is moderate,stongly magnetic.
71.53	80.00	2b	Sparsely amygdaloidal basalt. Core moderate,strongly broken,blocky, stronger at contacts. Intermittent strong,intense pale,earthy green alteration (ep+argillic?). Unit cut by 3 significant quartz,carb veins. Possible flow top from 74.3,74.8m. 72.4,72.5m: Qtz,carb vn,breccia. Hanging wall has moderate,strong argillic overprint on ep alteration. Interval is estimate, core very broken. 75.53,75.75m: Qtz,carb vn,bx with lime green mineral (ep?) and grey (chl) . At roughly 60 TCA. 77.8,78.0m: Pale,earthy green,pink vein. Strong argillic overprint. Rock is chalky to the touch and vuggy.
80.00	95.51	2b	Hornsfel? Rock is very dark grey, looks polished by the drill. Remanant amydules identifiable, but original texture moderately assimmilated. Needle,platy magnetite occurs in amygdules with dark green chl. Dark, sinuous, structures with chl fill occur throughout, no regular orientation. Overall weakly magnetic. 85.51m: 1.0cm Qtz,Chl,Ep vein. At 65 TCA. 90.62,91.00m: Masfic dike. Black, aphanitic, strongly magnetic. At 40 TCA. 92.34,92.38m: mafic dike. At 40 TCA.
95.51	97.57	7a	QFP. Fine ,medium grained, red,pink. Moderately abundant mafic minerals chl (bt?), occasionally occuring in very sinuous fractures. Non,magnetic.
97.57	113.47	2b	Hornsfel? Rock is very dark grey, looks polished by the drill. Remanant amydules identifiable, but original texture moderately assimmilated. Needle,platy magnetite occurs in amygdules with dark green chl and occasional carbonate.Overall weakly magnetic.
113.47	119.49	2a	6, flow top bx? Strong pervasive alteration. Overall, rock is a pale earthy green with intermittent pink and yellow alteration. Abundant magnetite occurs in diffuse patches and as veins (?, possibly concentrated at edge of remnant basalt clast?)

METERAGE			
FROM	TO	CODE	DESCRIPTION
119.49	126.53	2b	Hornsfel? Rock is very dark grey, looks polished by the drill. Remanant amydules identifiable, but original texture moderately assimmilated. Needle,platy magnetite occurs in amygdules with dark green chl and occasional carbonate.Overall weakly magnetic.
126.53	132.55	2d	?. Intense alteration obscures original texture, dominantly epidote. Intervals that have not been completely epidotized often have mottle blue,green,red colouration. Abundant magnetite occuring as diffuse,sharp patches and veins.
132.55	137.10	1a	Ultramafic. Black, weak,moderately magnetic. Fine grained, no obvious texture. Gradational contacts. Trace,1% py,po occurs throughout as 2,5mm blebs. 132.61,132.77m: vn,bx (?). Hosts 0.5cm square (cubic?) occurrence of cpy.
137.10	148.05	2b	Hornsfel? Rock is very dark grey, looks polished by the drill. Remanant amydules identifiable, but original texture moderately assimmilated. Needle,platy magnetite occurs in amygdules with dark green chl and occasional carbonate.Overall weakly magnetic. 137.1,137.7m: CBrZ
148.05	156.78	2a	Flow top? Abundant chlorite forms a pseudo,matrix around basalt clasts giving rock a mottled appearance. Abundant amygdaloids. Overall, rock is a blueish,green. Overall weak,non magentic, strong magnetics intermittently. 151.2,156.1m: CBrZ. 4.0cm CZ from 151.2,151.35m at 30 TCA. 155.73,156.07m: Strong ep, remnant mt (?), marginal to 2.0cm qtz,carb,ep,chl vn.
156.78	163.63	2b	Sparsely amygdaloidal basalt. Chl +/, mt Amyg fill. Unit cut by two 2,3 cm CBrZ veins from 159.65m and 161.8m at 50 TCA.
163.63	164.15	7	Felsite. Dark red,pink. Very siliceous, fabric at 60 TCA.
164.15	166.83	2b	Sparsely amygdaloidal basalt. Chl +/, mt Amyg fill. Unit cut by two 2,3 cm CBrZ veins from 159.65m and 161.8m at 50 TCA. Overall non magnetic.
166.83	168.43	2b	Blocky, broken core. Fault?
168.43	175.81	2c	Mafic volcanic, original textures are very dark, possibly being assimilated. Amygdaloidal appearance in place, massive in others. Non magnetic.
174.81	181.00	2b	Sparsely amygdaloidal basalt. Moderate,Strong intermittently pervasive Ep,K (hem?) alteration. Rock has a earthy lustre. Overall weak,non magnetic. 174.95,175.22m: 2,3cm CBrZ vn at 20 TCA. 175.76,176.00m: 1,2cm CBrZ vn at 40 TCA. 178.55,178.94m: Moderate K,mt alt. 180.65,181.00: Strong ep alt with abundant spec hem dss in groundmass.
181.00	192.31	2a	Amygdaloidal,sparsely amygdaloidal. Dark, bluish,green basalt. Chl amyg fill.

METERAGE			
FROM	TO	CODE	DESCRIPTION
			183.04,184.16m: K,Mt alt. Magnetite commonly occurs in thin sinuous vns. Rock has slight dark red hue. Red,dark salmon mineral (Kspar?) occurs in vn/nodule from 183.23,183.47m. Strongly magnetic. 187.31,187.96m: Ep,Mt alt. Rock is green, moderate,strongly magnetite. Magnetite occurs disseminated throughout, and is a sinuous vn at the top of interval.
192.31	196.77	6	?. Strong K,ep,mt alt. Pink mineral (Kspar?) occurs is a pseudo,matrix, and associated rock is strongly magnetic. In areas with strong ep alt, spec occurs over mt, and associated rock is non, magnetic.
196.77	220.34	2a	Variably amygdaloidal basalt. Dark, bluish,green basalt. Chl amyg fill. Unaltered areas are non magnetic. Unit is cut by 0.5,1cm magnetite vns/bx throughout, commonly accompanied by minor pink mineral (kspar?). 201.05,201.55m: Mt alt. Magnetics gradually get weaker toward lower contact. Patches of brown alteration (bt?) forms pseudo,matrix in interval. 203.95m: 0.5cm Mt vn,bx at 65 TCA. 210.52,210.98m: Moderate pervasive ep alt. Moderately abundant disseminated spec hem. 211.57m: 1.0cm Mt vn,bx at 70 TCA. 212.72,213.10m: Mt alt, magnetism gradually decreases toward base. 214.13m: 0.5cm mt vn,bx at 60 TCA. 214.48m: 0.5cm vn,bx at 70 TCA. 215.75,215.92m: ep alt, Kspar in amyg, spec after mt. 215.93m: 1.0cm vn,bx at 60 TCA. 218.55,219.00m: Ep alt over printing k,mt alt.
220.34	221.58	BX	Magnetite breccia. Two core zones, strong potassic (Kspar) altered clasts, abundant magnetite in black matrix. Strong Ep alt marginal to CZs. 220.34,220.62m: Earlier breccia? White,grey with weak green colour. Carbonate rich matrix. 220.59,220.62: Semi massive magnetite. 220.62,220.85: CZ at 60 TCA. Very strong pottassic alteration expressing as Kspar. Magnetite rich matrix. Sub,angular clasts, 0.1,1.0cm. SG = 2.94 220.85,221.12: Strong ep alt. 221.12,221.23m: CZ. As previous. 221.23,221.58m: Strong Ep alt.
221.58	242.38	2d	Massive basalt. Intermittent amygdaloidal zones. Magnetite occurs in vein,breccia, commonly associated with potassic (kspar) alteration. Possible flow top intervals, or strong alteration gives mottled appearance. 227.75,227.82m: Kspar rims chl. Ep alt overprint. Mt appears to be exsolving from basalt at upper margin. 231.06,231.35m: Strong ep over printing potassic alt. 231.75,232.12m: Moderate ep alt. Kkspar in amygdules 232.50,234.70m: Moderate to strong potassic (Kspar metasomatism) alteration with weak, strong ep overprint. Magnetite occurs in vein,breccia and as diffuse patches. 234.83,234.97m: 4.0cm vuggy Qtz +/, carb vn. Qtz crystals growth in vugs. At 30 TCA.\

METERAGE			
FROM	TO	CODE	DESCRIPTION
			235.10,237.74m: Mottled dark green,black rock. Abundant FeO. Dominant magnetite in core of interval, grey,dark red hematite near margins. 237.47m: 3cm vein breccia with magnetite matix. 237.97,238.12m: Strong potassic alt, weak,moderate ep overprint.
242.38	249.46	7a	Feldspar porphyry. Fine,medium grained, red, abundant structure. Cut by at least three vein generations: i) Early chl, green at 40,70 TCA. ii) intermediate carbonate. 0.1,2cm. At 40 TCA. iii) Late vuggy qtz. Commonly occupies same structure as carb. 0.1,1.0cm. At 50 TCA. 248,250m: very broken core. Fragmetns of bladed/vuggy qtz,carb vns. Appears as CBrZ toward base.
249.46	257.10	2d	Hornsfels? Very hard, core polished by drill. Original textures are very faint, but still identifiable. Abundant structure. 0.1,0.5cm Qtz veins and carb veins occupying same structure. Veins commonly have brownish,red halos extending upto 1cm out from structure. Dominant orientation at 40 TCA. 256.73,256.88m: Brittle fractures with qtz filling. Brown,red (bt?) WR alt. Trace,1% pyrite.
257.10	261.00	2g	Massive basalt with slight fine grained gabbroic texture. Non,weakly magnetic. 260.83,261.00m: Hematitic vein breccia, brown rock flour matrix. Similar to CBrZ with low carbonate content. At 35,40 TCA.
261.00	262.40	2b	Sparsely amygdaloidal basalt. Amyg fill Chl. Weakly magnetic.
262.40	277.00	2a	Amygdaloidal basalt. Amyg fill varies from green crystaline chl to ep,kspar. 262.4,262.78m: Strong Ep alt, overprinting potassic alt? Top of interval is orange, potassic or hematitic? Non magnetic. 265.64,266.34m: Weak,moderate potassic alt. Kspar rimming amyg fill with carb and mt. Mt appears partially replaced by hem. Mt also occurs in ground mass. 266.34,266.80m: Moderate ep alt. 267.2/268.55/269.14,269.46m: Three occurences of bladed qtz,carb vn with moderately abundant concentration of very soft, waxy, teal,blue,green mineral (sericite?). No dominant orientation.
277.00	290.27	2b	Sparsely amygdaloidal basalt. Amyg fill Chl . Non,Weakly magnetic. Minor patches of ep alt occur throughout, usually <10cm, hosts spec. 281.21m: 1cm Qtz,Kspar,Ep vn. Strongly magnetic at margin. At 75 TCA. 282.12,282.29m: QFP. Strong fabric sub perpendicular TCA. 284.11m: Kspar,Mt vn. Mt partially replaced by spec. At 75 TCA. 290.27m: 3,4cm orange, carbonate vn,bx. Simlar to CBrZ. At 40 TCA.
290.27	295.33	2d	Massive basalt. Grey with intermittel green mottled appearance. Fine grained. Variably magnetic. 291.06,292.00m: Mottled appearance. Green chlorite forms psuedo,matrix. Possible flowtop breccia or hydrothermal breccia? Strongly Magnetic.

METERAGE			
FROM	TO	CODE	DESCRIPTION
295.33	303.30	6	? Strong ep alt appears to be overprinting potassic alt. Texture looks like breccia, hydrothermal? Phreatic? Flow top? Variably magnetic, weak,strong, strongest magnetics occurs frequently as in isolated instances with weak magnetism in between, causes magnet to jump around.
303.30	305.29	8a	Mafic dyke, possible ultramafic. Black, fine grained, moderately magnetic. Trace,1% Py disseminated throughout, and rarely in vn/ff. Lower contact at 60 TCA.
305.29	310.00	2b	Sparsely amygdaloidal basalt. Amyg fill chl +/, qtz. Weak,non magnetic. 308.42m: 3.0cm carb vn, weakly sheared. At 50 TCA.
310.00	310.78	5e	Very odd looking unit. "Clasts" are altered to a pale yellow. Abundant, dark green chl in matrix. Clasts are 0.2,3.0cm, sub angular,sub rounded. Moderately abundant rusty spots (limonite?).
310.78	347.94	2b	Sparsely amygdaloidal basalt. Amyg fill chl +/, mt. Cut by several qtz,carb, weakly sheared/crack and seal vns, at 40,50 TCA. 315.78m: 4.5cm Vuggy qtz,carb vn. Moderately abundant soft, waxy, teal mineral. At 35 TCA. 319.1m: 1.5cm Qtz,carb vein, weakly sheared. At 50 TCA. 325m: 3.0cm Qtz,carb vein with pink,orange mineral. Crack and seal. At 50 TCA. 326.31m: 3.0cm Qtz,carb vn. At 60 TCA. 330.38m: 2.0cm vuggy qtz,carb vn with soft teal mineral. At 40 TCA. 331m: 1.0cm Qtz,carb with soft teal mineral. Crack and seal. At 30 TCA. 331.75m: 2.0cm qtz,carb,pink/orange,teal mineral. Crack and seal. At 35 TCA. 333.05m: 2.5cm qtz,carb vn. Weakly sheared. At 40 TCA. 333.42m: 3.0cm Qtz,carb,pink/orange mineral. Crack and seal, weakly sheared. At 50 TCA. 336.81m: 3.0cm qtz,carb,pink/orange mineral. At 50 TCA. 337.72m: 6.0cm qtz,carb, crack and seal vn. At 50 TCA.
347.94	349.00	6	Flow top breccia. Basalt clasts are moderately ep alt. 40% seds.
349.00	352.27	6	Flow top breccia. 20% seds, strongly chloritized. Strongly altered, strongly magnetic.
352.27	352.63	7a	Red, fine,med grain QFP.
352.63	353.22	CBFrZ	Bladed Qtz,carb vn. Moderately abundant soft, waxy, teal mineral at upper contact. Fault breccia at lower contact, looks like CBrZ without hem alt, at 50 TCA.
353.22	370.00	2d	Massive basalt. Intermittent zones of strong ep, potassic, and carb alteration. 357.54,358.05m: Strong potassic alt with weak carb alt overprint (?). Strongly magnetic. 361.10m: 2.0cm Carb crack and seal vn, with weak shear fabric. At 60 TCA. 362.40m: 3.5 cm qtz,carb, weak shear. At 60 TCA. 366.06m: 3.0cm carb, crack and seal, weak shear. At 60 TCA.

METERAGE			
FROM	TO	CODE	DESCRIPTION
			366.34,366.56m: Milky quartz vein (breccia?) with weak dog tooth texture. Quartz crytals growing inward from WR, and around depleted clasts of mafic volcanics (?). Unique occurrence.
370.00	371.92	7a	Feldspar porphyry. Phenos upto 3mm. Red with patches of salmon (potassic alt?). Moderately abundant mafic minerals. Moderate,strongly fractured/veined. Conatct are irregular, roughly at 50 TCA.
371.92	387.58	2d	Massive basalt. Intermittent strong,intense ep,potassic alteration zones. 372.48,372.64m: FP. As previous. 372.64,373.15m: Breccia, flow top? Chl matrix, clasts turned brown. Non magnetic. 373.91,374.33m: Vn bx? Strong ep overprinting potassic alt. Abundant magnetite in areas unaffected by ep alt. Sharp, undulating upper contact at 40 TCA. 377.13,379.50m: Vn bx? Rock appears brecciated in strongly alt zones. Weak,strong ep alt overprinting potassic alt. Moderately magnetic in area unaffected by ep alt. Potassic alt occurs as metasomatic kspar. 384.0,385.5m: Very strong ep alt overprinting strong potassic alt. Potassic zones are more strongly magnetic. 385.25m: 0.5cm Mt vn,bx. At 50 TCA.
387.58	388.39	7a	QFP. Red. Highly fractured, moderate,minor mafic minerals.
388.39	391.10	2d	Massive basalt. 389.99,390.75: Moderate ep alt over printing potassic alt. Magnetic in less ep areas.
391.10	391.48	7a	Feldspar porphyry. Red, moderate/y fractured. 391.23m: 1cm carb vn with soft, waxy teal mineral. At 40 TCA.
391.10	397.05	2b	Sparsely amygdaloidal basalt. Amyg fill chl +/, mt +/, Kspar. 391.98m: 1.0cm carb vein. At 45 TCA. 395.23m: 1.0cm potassic vein with ep overprint at 60 TCA. 395.71m: 0.5cm potassic vein with ep overprint. At 60 TCA.
397.05	397.26	7a	Feldspar porhyry. As previous. 0.5cm cubic occurrence of chalcocite (CC).
397.26	408.54	2b	Sparsely amygdaloidal basalt. Amyg fill chl +/, mt +/, qtz +/, kspar. 401.94m: 1mm qtz vn, trace Cpy replacing Mt in margin 402.42m: 1mm qtz vn, trace Cpy rplacing Mt in margin. 407.52,402.82m: Ep alt envelope marginal to two 0.5,1.0cm Mt veins with strong potassic margins. At 60 TCA.
408.54	412.44	BX	Breccia?. Strongly altered, beyond recognition. Likely was mafic volcanic. Strong Ep, potassic, and hematite alteration. Has breccia texture is places. Weak,moderaely magentic, variable.

METERAGE			
FROM	TO	CODE	DESCRIPTION
412.44	416.17	2g	Basalt with gabbroic/ophitic texture. Appears similar to "diorite" from SPC,14,08 (06?). Fine to medium grained. Upper and lower chill margin (intrusive?) Cut by series of fractures with red halos upto 2cm in the margin, no orientation. 416.16m: 1.0cm mass of Cpy is filling brittle fracture opening.
416.17	421.75	2d	Massive Basalt, grey, fine grained. Weakly magnetic. 417.41,417.77m: Strong potassic,ep alt, strongly magnetic.
421.75	423.65	6	? Strong ep alt with argillic overprint. Rock is friable, very blocky and partially eroded away. Green, with an earthy lustre. Non magnetic.
423.65	427.58	2d	Massive basalt. Cut by qtz vns, ep filled vns, and cream,orange (ab?) vns. Structures oriented at 30,45 TCA.
427.58	451.06	BX	Breccia. Dominantly angular clast supported, chlorite matrix (20%). Intermitent intervals of increased matrix, ep alt. Two intervals of strong potassic alt and magnetite matrix. Overall, moderate,strongly magnetic. 430.24,430.41: Strong potassic alt with magnetite matrix. Clasts sub rounded. Strong mag. 432.86,433.16m: Moderate ep overprinting potassic. Magnetite matrix. Clasts sub,rounded.
451.06	457.58	2b	Sparsely amygdaloidal basalt. Amyg fill Chl,Qtz. Weakly magnetic. 353.95m: 2mm qtz vn at 55 TCA.
457.58	460.50	6	Breccia, flow top? Strong ep alt is obscuring texture from 457.58,459.7m. Clasts are sub, rounded mafic volcanic, Matrix is dominantly chl.
460.50	479.34	2b	Sparsely amygdaloidal basalt. Amyg fill chl, ep, qtz. Weakly magnetic. 468.17m: Disseminated and fracture controlled Py,Cpy (po?) marginal to Qtz vn. Rock is locally very magnetic marginal to vn. 479,479.34m: Tr disseminated Py,Cpy.
479.34	486.00	7a	Feldspar porphyry. Phenos upto 3mm. Red with patches of salmon (potassic alt?). Moderately abundant mafic minerals (5%). Weak,moderately fractured/veined. Contacts are irregular. 479.64,479.92m: Chalcocite (CC) developed in a fracture at 30 TCA. 482.30,483.42m: Mafic volcanic. Py (+Cpy) filling a 0.5cm brittle fracture opening.
486.00	504.25	2b	Sparsely amygdaloidal basalt. Amyg fill Chl,Ep +/, mt +/, qtz. Weakly magnetic. 499.13,499.25m: Moderate pervasive ep alt marginal to 5cm Qtz,Mt vn. 0.5cm semi,massive Mt vn at 499.25m. 499.59,499.79m: Strong pervasive potassic alt with mt, moderate Ep alt at margins. Trace Py (+Cpy?)
504.25	509.72	7a	Red QFP with 3,5% mafic minerals (chl). Patchy salmon alt more prevalent toward top of unit. Chalcocite occurs in frac and partially replacing mafic minerals.

METERAGE			
FROM	TO	CODE	DESCRIPTION
			507.85,508.03m: Fracture zone with chalcocite mineralization. 509.23,509.72. Fracture with Chalcocite (CC). Sub // TCA.
509.72	525.96	2b	Sparsely amygdaloidal basalt. Amyg fill Chl, Ep, Qtz, and Kspar. Weak,moderately magnetic. 509.73m: Tr Cpy blebs at contact with QFP. 517.5m: 0.2cm Bn bleb in amygdule. 252.61,252.96m: Green feldspar porphyroblasts/phenocrysts (?) increase in size and abundance toward contact with QFP. 0.5% Cpy and Bn inclusions.
525.96	528.10	7a	Red,pink QFP. Pheno's up to 3mm. Moderately abundant mafic minerals, chl, up to 5mm. Strongly fractured.
528.10	560.22	2b	Sparsely amygdaloidal basalt. Amyg's generally smaller than previous and occur in clusters, Qtz, Ep, Kspar, Carb, Chl. Weak,moderately magnetic. 528.42,536.18m: Strong structural zone. Includes: Qtz breccia, weakly sheared carb veins, bladed qtz carb veins, and CBRZ. Rock is strongly hematitic and non,magnetic. Dominant orientation at 30,60 TCA. 547.1,577.5m: Tr Cpy,Bn in in amyg and CC in fractures, locally up to 3% Cpy. 547.61m: 1,2mm fracture with CC and red hem fill. At 30 TCA. 553.34m: 2mm Qtz,Ep,K,CC vn. At 70 TCA. 554.85m: K,Ep vn. Deformed by later movement. Roughly 60 TCA. 557.69m: 4mm Kspar +/, Bn. At 70 TCA. 558.06,558.15m: 3% Cpy in amyg. Increased amyg abundance, and fill dominantly qtz,kspar. Weak,moderate ep overprint. No sulphides in stronger ep zones. Kspar,Ep vn at 558.14m at 70 TCA. 559.85,560.00m: strong Ep overprinting relict K,Mt vein. Mt gone to chl, non,magnetic.
560.22	566.42	2b	Strong structural zone. Core is very blocky. Structures include: Qtz breccia, weakly sheared carb veins, bladed qtz carb veins, and CBRZ. Rock is strongly hematitic and non,magnetic. Dominant orientation at 30,60 TCA.
566.42	591.59	2b	Sparsely amygdaloidal basalt. Intermittent zones of abundant amygdules (2a). Amyg fill Ep, Ksp,Qtz +/, Cpy +/, Bn. Overall trace Cpy +/,bn throughout. Moderately magnetic. 568.48m: Ep,Ksp,Chl Vn at 75 TCA. 572.0,572.24m: 1% Cpy +/, Bn in amygdules 572.24,572.30m: 5cm Qtz vn with Cpy replacing mafic volcanic inclusions. At 75 TCA. 576.23m: 0.5cm Ep vn. At 70 TCA. 583.9m: 0.5 ep vn at 75 TCA. 584.06m: 0.5 cm Ep vn at 75 TCA. 584.3,584.585.18m: Abundant amygdules with Ksp,Qtz,Ep +/, Cpy fill. 585.57m: Qtz,Ksp (?) +/, tr Cpy. At 60 TCA. 586.96m: 0.5 cm Ep,Qtz,Chl vn at 70 TCA. 590.41,590.48m: Strong ep alt, possible relict ksp,mt vn.
591.59	595.82	2a	Amygdaloidal basalt. Amyg fill Qtz,Ep +/, Mt. Rock is black and strongly magnetic.

METERAGE			
FROM	TO	CODE	DESCRIPTION
			591.59m: Upper contact (S0) at 20 TCA. 591.59m: Carb vn cutting uper contact at 30 TCA (x).
595.82	602.87	BX	Breccia. Similar overall texture to breccia from 427.58,451.06m. Matrix is siliceous, medium, light grey, and massive. Silica replacing chlorite? Clasts are angular, black and strongly magnetic. 601.78,601.96m: Relict potassic,magnetite alteration zone.
602.87	604.07	7a	Pink QFP. Phenos up to 4mm. Moderate,abundant Fe,Mgs. Moderate,strongly fractured, no general orientation. Irregular contacts, small splay is at roughly 40 TCA. Non magnetic.
604.07	608.03	2b	Sparsely amygdaloidal basalt. Amyg fill carb overprinting ep,chl,ksp. Non magnetic. 605.85m: 3.0cm Weakly sheared carb vn at 40 TCA. 606.57m: 2.5 weakly sheared carb vn.
608.03	609.98	7a	Pink QFP. Phenos up to 4mm. Moderate,abundant Fe,Mgs. Moderate,strongly fractured, no general orientation. Irregular contacts, lower contact is at 30 TCA. Non magnetic.
609.98	616.12	2b	Very blocky core. Interval contains several 1,7cm sheared/crack and seal carb +/, qtz vns at 20 40 TCA. . Non,magnetic. 612.18m: 3.0cm qtz,carb shear/crack and seal vn. At 20 TCA. 614.25m: 2.5cm carb shear vn. At 20 TCA. 615.96m: 7.0cm carb vn, slight pinkish hue, at 40 TCA. Cut by 0.5cm qtz vn at 20 TCA.
616.12	642.47	2b	Sparsely amygdaloidal basalt. Amyg are irregularly shaped, this is true of most 2b units in this hole, possibly not amygdules but rather nodules produced by serpentinization (i.e. qtz, chl, mt from olivine)? Amyg fill Qtz, Chl, Mt, minor carb. Trace Cpy, Bn, and CC occur in amygdules throughout. Weakly magnetic.
642.47	646.58	CBFrZ	Sheared/crack and seal qtz,carb vein. True width uncertain. Sub // TCA.
646.58	647.56	7a	Pink QFP. Phenos up to 4mm. Moderate,abundant Fe,Mgs. Moderate,strongly fractured, no general orientation. Core is blocky. Non magnetic.
647.56	666.63	2b	Sparsely amygdaloidal basalt. As previous, possibly not amyg but product of serpentinization. Amyg fill Qtz,Chl,Mt +/, Cpy. 659.70m: 0.5cm qtz,carb vn. Appears to be filling brittle frac, at 35 TCA. 661.07,661.12m: three 0.5cm Qtz,chl,mt vns, at 40 TCA. 663.22m: 0.5cm Qtz,Chl,Mt vn. Vn kinks, no orientation. 665.74,665.96m: Minor Qtz,Ep vn,bx. At 40 TCA.
666.63	671.82	2g	Mafic sub,volcanic intrusive? Basalt composition with slightly porphyritic gabbroic text. Black chl flecks upto 3mm. Carb nodes up to 5mm. Moderately abundant HL carb,hem vns/jnts, varying orientations. Less common qtz vns with ksp halos up to 0.5cm, variable orientation. Py Cpy occurs exlusively in chl flecks. 0.5,1.0% dss throughout. Moderately magnetic.

METERAGE			
FROM	TO	CODE	DESCRIPTION
			666.63m: Sharp, chilled upper contact at 30 TCA. 667.2m: Granite xenolith, 3cm long.
671.82	672.54	CBFrZ	Sheared qtz,carb vning. Soft teal mineral (brucite?). At 35 TCA.
672.54	700.53	2b	Sparsely amygdaloidal and/or site specific serpentinization. Irregular shaped Qtz,chl,mt nodules +/, Tr Cpy. Groundmass is relatively fresh in appearance, pervasive hem increases toward base accompanied by low mag. Overall moderately magnetic.
700.53	709.52	2a	? Strong alteration, breccia textures throughout, serpentinization(?). Abundant pervasive chl. Non,magnetic. 700.53,702.30m: potassic,mt alteration zone, strong ep overprint, Mt replaced by grey hem. XRF returned ~800Co, 20 Mo, and 0.01%Cu.
709.52	715.14	7a	Felsic, similar to previous except pale pink,cream texture destructive alteration, silica? Feldspars gone to mica (Musc.?), Fe,Mgs gone to bt (?). Alteration decreases toward base. Top of unit is cut by Qtz +/, carb breccia. Non magnetic. 709.52,710.58m: Breccia, qtz with minor carb matrix, sub angular WR clasts. Matrix supported, 30,40% Qtz. Overall orientation 50 TCA. 714.82.,715.11m: CC replacing Py/Cpy in and marginal to frac/vns. Multiple orientation, but main frac/vn at 30 TCA. 715.02,715.23m: Lower contact at roughly 60 TCA, upper is ireggular and at 60 TCA. Felsic unit is intruding into Mafic WR. Round Clasts of WR in a felsic matrix.
715.14	721.90	2g	Basalt with slight gabbroic/ophitic text. Black, fg,mg, moderately magnetic. Mafic intrusive? Thick mafic dike? Tr,1% Cpy,Py dss and in 1mm chl vns/ff throughout. Chl,Cpy vns/ff at variable orientations, cut by late qtz +/,carb vns.
721.90	732.54	2a	Amygdaloidal basalt (?), strong chl overprint (serpentinization?), brecciation increases toward top of unit, chl matrix. Moderately abundant Qtz,chl,mt vns. Rare late qtz vns. Cpy in ff/vns increases toward base 721.9,725.5m: Relict breccia, chl overprint. 726.6,728.9m: Chl,Qtz,Mt vns most abundant, dominant at 45 TCA 730.86,732.54m: Cpy in 1mm fractures, dominant orientation 10,15 TCA.
732.54	738.85	7a	Fine grained, red QFP, moderately abundant Fe,Mgs. Moderately fractured/veined. CC replacing Cpy occurs in and marginal to veins at 30 to sub // TCA. Late carb vns at 60. Very sinuous early vns with chl,ep fill occur in all orientations. Lower contact 45 TCA 733.25,734.75m: Cpy,blk chl in vn/ff, broken core, looks variable directions. 735.51m: CC in and marginal to 2mm CC,Cpy,black chl vein. At 30 TCA.
738.85	776.00	2b/2c	fine grained, massive, weakly amygdaloidal to chlorite flecked, strongly magnetic. Minor late qtz,carb+/,hem+/, kspar veinelts/fractures sub// TCA or at 35,45 TCA. Intermittent up to 20cm sections of weak breccia looking rock associated with dark burgundy hem? +/, silica+/, chl+/,rare epidote

METERAGE			
FROM	TO	CODE	DESCRIPTION
			740,740.22 weak bx as above 749.9,750 weak bx ax above 45 TCA 752,752.6 broken core 756,756.6 DZ strong hem alteration, 1,2mm upwards of 8cm qtz,carb veining/fracturing with minor chl 45,60 TCA 757,757.3 6+ qtz,carb,hem vnlts up to 1cm wide 45 TCA 757.36,758.8 pseudo breccia section, strong hem alteration, abundant amygdules in this interval mostly chl replaced, weak epd alt of groundmass, chl dominated matrix 760m, 20cm blood red section with possible wispy felsite intrusion, rock is mineralized from here to 769m 760,769 fine grained, weakly ophitic? Stronger hem alteration of groundmass around late qtz,carb+/,silica fractures/veined intervals, very fine chalcopyrite in thin <1mm discontinous to continuous fractures and as fine minute blebs,disseminations in the groundmass, locally up to 1%, some of it appears to be replacing some mineral in groundmass 766.81,766.89 strong breccia interval with fine diss cpy and mt, bx at about 60 TCA, minor epd,chl and kspar alteration associated with bx 767,767.47 brecciated, broken core section, minor late qtz,carb but as late matrix fill 775.36,767 breccia at lower contact with feldspar porphyry, 1 cm shear at 775.45 with minor mt, strong epd alteration of fragments, strong chl and/or dark burgundy hem alteration of groundmass
776.00	780.34	7a	upper contact sharp at 45 TCA, lower contact appears at about 15 TCA, brick red fine aphanitic feldspar porphyry with 5% sub,angular fine pheno's and rare qtz eye, strongly fractured/crackled with weak bleaching along fractures, 1 x 10cm silica brecciated zone 776,777m lighter reddish,pink section from bleaching, lower bleaching contact diffuse in nature, section has 2,3% chalcocite as coarse clots in fractures and as smaller blebs replacing ferro,mags,some of the cc clots are associatedv with small 1,2mm irregular masses of chl+/, fine qtz,carb, no sulphides outside of bleached zone
780.34	812.75	2d	fine grained, light grey,green mafic volcanics, weakly crackled with intermittent strong fracturing mostly white qtz,carb filled, from upper contact to 781.2 weakly to moderately brecciated suggesting fp above invaded a breccia zone? , unit strongly magnetic and to about 786m there is secondary magnetite in diffuse clots and discontinous fractures/tension gashes 785.57,787.7 weak bx appearance with a chl dominant matrix 794.9,795.17 1 x 4cm plus 1 x 3mm qtz,carb,chl,hem,serpentinite veins/fractures 30 TCA, section strongly hematized 800.8m, 9cm section of mod epidote alteration +/, fine minor qc with minor fine disseminated cpy 803.1,803.3. small bx section 5cm qtz,carb,hem vein 70 TCA, bx with mottled epd,hem alteration very dense mafic volcaniics, sg measurement of 2.95 at 818m 809,812.75, minor fine cpy in thin <1mm discontinuous fractures, minor fine disseminated cpy associated with a weak shear(?) at lower gradational contact

METERAGE			
FROM	TO	CODE	DESCRIPTION
812.75	828.17	2b/2c	became weakly amydaloidal and/or chl flecked, dark blackish rock, amy's predominantly chl filled 814.56. 1.5cm chl,silica,hem vein 60 TCA with coarse magnetite and one large clot of bornite, mt and bn spatially associated unit moderately to strongly magnetic, core very broken from 820.6 to contact, unit moderately talcy from 827m to contact, lower contact sheared with minor qtz,carb 30 TCA
828.17	834.76	2b	dark grey, massive, rare rounded amygdule filled with chl or quartz, mod,strongly magnetic, weak white flecked appearance (talc alt?) 833.58,834.3 tsalcy soapstone feel, minor irregular masses of chl, strong chl alteration especially on fracture planes
834.76	836.52	BX	quartz,carb,hem breccia, 50,60% qtz,carb, strong hem alt of host rock, 10cm fault gouge at 835.85, general trend of veining/brecciation 60 TCA
836.52	849.00	2d	massive, moderately magnetic, strongly fractured/veined for a weak to moderate DZ, strong hem alteration around fractures/veins, fractures/vns hosting quartz,calc,and pink talc, core broken and well fractured, veining and fracturing genrally 30,60 TCA
849.00	851.50	7a	fine grained reddish feldspar porphyry, 10,15% fine pheno's. 5% minute ferro,mags, core broken and fractured, upper contact a little irregular but generally 50 TCA, lower sharp at 60 TCA
851.50	863.00	2d/2e	strongly fractured/veined massive to weakly ophitic volcanics producing a moderate DZ, strong hem alteration around veining/brecciation, fractures/vns host quartz,carb,hem,pink talc 851.6 1 x 3cm qch vein 60 TCA 854.35,854.40, bx/veined 65 TCA 854.66,854.83, strong bx/veining 70 TCA 857,857.5 very broken core 857.81,857.95, strong qtz,carb,hem vein with associated epd dominant 4cm vein 40 TCA, sheared look 859.5, 1 x 5cm qch veined/bx section 861.15,861.8, strong qch bx/veining, some vuggieness to veins, generally 40 TCA with sub// offshoots
863.00	873.28	2d	massive, moderately magnetic, rare amygdule filled with chlorite, weakly fractured/veined by qch generally 45,60 TCA, 40+ veinlets both x,cutting and (ok)
873.28	884.00	2d	strong CBFrz highlighted by trong to locally intense brecciation by late qtz,carb,hem,pink talc veining/fractures, overall moderate hem alt of groundmass, intense hem alt around breccia zones/veins, general veining/bx at 50,60 TCA but multi,directional off,shooting veining present

METERAGE			
FROM	TO	CODE	DESCRIPTION
884.00	899.00	2d	dark grey, fine grained, massive, mod,strongly magnetic, minor late qch vnlts/fractures, also late white,quartz,dark burgundy hem vnlets 50,60 TCA
899.00	902.20	2d	strong CBFrZ highlighted by a 35cm white quartz,carb vein from 900.85,901.2 70 TCA, rest of section strongly veined/breecciated/fractured by late quartz,carb,hem veins, some vuggyness to the veins strong hem alteration in section associated with bx/veining
902.20	1019.00	2d	fine grained, massive, moderately magnetic, rare amygdule usually chl filled, very minor late white quartz+/, calcite veins and fractures, intermittent light chlorite mottled appearance 908.13,908.81 weak DZ, broken core and fractured, fractures coated with hem, pink talc, 1 x 1cm qch 70 TCA 923.15,925.2, CBFrZ highlighted by late quartz,carb,hem veining and brecciation, section contains one 13cm white qtz,carb vein and a 44cm section of qtz,carb brecciation, also one 13cm bx zone at 925, CBFrZ strongly hematized, general sense of veining 45 TCA 935.3,940.15, minor intermittent fragmental look to it and weak kspar alteration from 939.55, 940.13 940.17, 1 x 4cm white quartz vein with carb 40 TCA 941,941.50 blebby cpy associated with fine ragged discontinuous fractures and grey thin 1, 2mm silica veins, weak bleaching and possible kspar alteration along fracture edges <1mm into wall rock 944,.77, weakly fractured, slightly broken core, dark chl veining fracture fills , also hem coated fractures possible healed fault gouge (clay healed) 944.77,945.05 955.85, 1 x 1cm quartz,carb vein 35 TCA 961.34,962.52, 1 x 2mm quartz,carb veinlet // TCA 978.45, 2cm section of qtz,carb,hem brecciation 30 TCA 979.61,980m, qtz,carb,hem+/,chl breccia/veining generally 70 TCA with shallower offshoots, strong hem alteration of groundmass 981.63,981.72m, 1x4cm qtz,carb,chl breccia 30 TCA 983.38-983.86m, thin 1-2mm qtz-carb-chl vnlts/fractures with minor py 20 TCA 986.85-987.3, very broken core 992.8m, 1 x2mm qch vnlt 70 TCA 993-999m, 13+ qtz-carb+/-hem+/-chl veinlets 1-2mm wide at shallow angles TCA, 10-30 TCA 1000.54-1000.8, strong hem alt, broken core, one 2mm qch vnlt sub-perpendicular TCA 1001.44m, 1 x 6cm qtz-carb-hem-chl breccia section 90 TCA, parallel veinlet offshoot to 1002m mark 1003.12-1003.21m, 1 x 9cm qurtz-carb-hem breccia 75 TCA, strong assoicated hem alteration of wallrock 1008.02m, 1 x 2cm qtz-carb-hem-chl crack and seal vein 70 TCA 1009.7-1010.3m, 0.5cm-2cm qtz-carb-chl+/-hem vein sub//TCA x-cut and offset by conjugate fracture/slip 1010.3-1013.15m, more or less a continuation of above vein set, section moderately veined/weakly coarsely brecciated by qtz-carb-chl+/-hem veinlets and fractures both 20 TCA (x) and 20 TCA (ok) with intermittent fine tension gashes 70 TCA, 12+ veinelts/fractures, intermittent strong hem alteration of groundmass 1013.51-1014m, 1x 1cm qtz-carb-chl+/-hem vein 10 TCA

METERAGE			
FROM	TO	CODE	DESCRIPTION
			1016.12-1016.33, strong hem alteration assocaited with 1x0.5cm qch vein 70 TCA and asociated hem-calc coated fractures 1017.15-1018.4m, strong hem alteration of groundmass associatedvwith hem coated fractures and thin sections 1-3cm sections of qch breccia 1018.4-1019m, strong hem alteration, strong brecciation by qch veins and fractures generally 70 TCA EOH

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319604	27.78	28.13	0.35
R319605	32.24	32.6	0.36
R319606	CM,36		
R319607	57.78	57.16	,0.62
R319608	64.7	65.7	1.00
R319609	65.7	66.57	0.87
R319610	66.57	67.38	0.81
R319611	67.38	68	0.62
R319612	68	68.5	0.50
R319613	130	131	1.00
R319614	131	132	1.00
R319615	132	132.52	0.52
R319616	101a		
R319617	132.52	132.82	0.30
R319618	134	135	1.00
R319619	155.75	156.05	0.30
R319620	166.08	166.38	0.30
R319621	180.71	181.01	0.30
R319622	183.67	184.14	0.47
R319623	142.3	142.85	0.55
R319624	195.73	196.77	1.04
R319625	1/4 Dup		
R319626B	210.54	210.97	0.43
R319627	215.7	216	0.30
R319628	220.34	220.62	0.28
R319629	220.62	220.92	0.30
R319630	220.92	221.38	0.46
R319631	256.6	259.9	3.30
R319632	265.63	266.45	0.82
R319633	Blank		
R319634	281	281.3	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319635	303.3	304.38	1.08
R319636	304.38	305.27	0.89
R319637	348.47	348.87	0.40
R319638	373.85	374.35	0.50
R319639	377.14	378.14	1.00
R319640	378.14	379.14	1.00
R319641	CM,36		
R319642	384	385	1.00
R319643	385	385.5	0.50
R319644	390	390.76	0.76
R319645	401.9	402.3	0.40
R319646	407.55	407.85	0.30
R319647	409	410	1.00
R319648	410	411	1.00
R319649	416	416.3	0.30
R319650	430.12	430.55	0.43
R319651	101a		
R319652	432.86	433.16	0.30
R319653	232.55	233	0.45
R319654	233	233.38	0.38
R319655	468	468.17	0.17
R319656	479	479.32	0.32
R319657	479.32	479.62	0.30
R319658	479.62	479.93	0.31
R319659	479.93	480.93	1.00
R319660	1/4 Dup		
R319661B	482.9	483.2	0.30
R319662	483.2	483.5	0.30
R319663	483.5	484.62	1.12
R319664	484.62	485.62	1.00
R319665	499.56	499.86	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319666	504.24	505	0.76
R319667	505	506	1.00
R319668	Blank		
R319669	506	507	1.00
R319670	507	507.79	0.79
R319671	507.79	508.09	0.30
R319672	508.09	509.1	1.01
R319673	509.1	509.56	0.46
R319674	525.61	525.91	0.30
R319675	525.91	526.47	0.56
R319676	CM,36		
R319677	526.47	527.47	1.00
R319678	527.47	528.12	0.65
R319679	541.13	541.58	0.45
R319680	547.1	547.5	0.40
R319681	547.5	547.8	0.30
R319682	547.8	548.8	1.00
R319683	548.8	549.8	1.00
R319684	549.8	550.8	1.00
R319685	550.8	551.8	1.00
R319686	101a		
R319687	551.8	552.8	1.00
R319688	552.8	553.2	0.40
R319689	553.2	553.5	0.30
R319690	553.2	554.49	1.29
R319691	554.49	555.5	1.01
R319692	555.5	556.5	1.00
R319693	556.5	557	0.50
R319694	557	558	1.00
R319695	1/4 Dup		
R319696B	558	558.3	0.30

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319697	558.3	559	0.70
R319698	559	560	1.00
R319699	566.5	567	0.50
R319700	567	568	1.00
R319701	568	569	1.00
R319702	569	570	1.00
R319703	Blank		
R319704	570	571	1.00
R319705	571	572	1.00
R319706	572	572.3	0.30
R319707	572.3	573	0.70
R319708	573	574	1.00
R319709	574	575	1.00
R319710	575	576	1.00
R319711	CM,36		
R319712	576	577	1.00
R319713	577	578	1.00
R319714	578	578.36	0.36
R319715	583.3	584.3	1.00
R319716	584.3	585.3	1.00
R319717	585.3	585.6	0.30
R319718	617.71	618.01	0.30
R319719	621.09	621.74	0.65
R319720	621.74	622.05	0.31
R319721	101a		
R319722	622.05	623	0.95
R319723	623	624	1.00
R319724	624	625	1.00
R319725	625	626	1.00
R319726	626	627	1.00
R319727	627	627.4	0.40

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319728	627.68	628	0.32
R319729	628	629	1.00
R319730	1/4 Dup		
R319731B	629	630	1.00
R319732	630	630.5	0.50
R319733	630.5	631	0.50
R319734	631	632	1.00
R319735	666.56	666.87	0.31
R319736	666.87	667.87	1.00
R319737	667.87	668.87	1.00
R319738	Blank		
R319739	668.87	669.87	1.00
R319740	669.87	670.87	1.00
R319741	670.87	671.87	1.00
R319742	700.85	701.15	0.30
R319743	714	714.72	0.72
R319744	714.72	715.02	0.30
R319745	715.02	716	0.98
R319746	716	717	1.00
R319747	CM,36		
R319748	717	718	1.00
R319749	718	719	1.00
R319750	719	720	1.00
R319751	720	721	1.00
R319752	721	722	1.00
R319753	722	722.3	0.30
R319754	730.86	731.33	0.47
R319755	731.33	731.63	0.30
R319756	101a		
R319757	731.63	732.52	0.89
R319758	732.52	733	0.48

SAMPLE FOOTAGE			SAMPLE
SAMPLE NO.	FROM	TO	LENGTH
R319759	733	733.75	0.75
R319760	733.75	734.25	0.50
R319761	734.25	735	0.75
R319762	735	735.36	0.36
R319763	735.36	735.66	0.30
R319764	735.66	736.61	0.95
R319765	1/4 dup		
R319766B	736.61	737.18	0.57
R319767	737.18	738.15	0.97
R319768	738.15	739.15	1.00
R319769	760.08	761	0.92
R319770	761	762	1.00
R319771	762	763	1.00
R319772	763	764	1.00
R319773	Blank		
R319774	764	765	1.00
R319775	765	766	1.00
R319776	766	767	1.00
R319777	767	768	1.00
R319778	768	768.78	0.78
R319779	768.78	769.23	0.45
R319780	769.23	770	0.77
R319781	CM,36		
R319782	775	776	1.00
R319783	776	777	1.00
R319784	777	777.5	0.50
R319785	809	810	1.00
R319786	810	811	1.00
R319787	811	811.62	0.62
R319788	811.62	812.37	0.75
R319789	812.37	812.8	0.43

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH
R319790	812.8	813.33	0.53
R319791	101a		
R319792	941	941.5	0.50

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH

PROJECT	HOLE NO.	TARGET NAME	DRILLING COMPANY	LOGGED BY
Superior Project	**SPC-15-06**	Pancake Lake	Orbit Garant Inc.	M. Kilbourne

CLAIM NO.	START DATE	END DATE	TOTAL METERAGE
4250355	May 24, 2015	May 29, 2015	435

TOWNSHIP	DISTRICT
Ryan	Sault Ste. Marie

DATUM/ZONE	UTM ZONE	NORTHING	EASTING	ELEVATION
NAD 83	16T	5215318	680393	357

	DEPTH	DIP	AZIMUTH
	COLLAR	-45	15
	200	-42.6	20.4
	400	-41.6	21.6

COMMENTS

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
0.00	10.00	OVB	Overburden	
10.00	40.60	9	Diabase	light grey green, fine grained, massive, weakly magnetic, fairly broken down to 21m, minor late qtz,carb,hem fractures/veinlets/tension gashes, strong hematite alteration along joints and associated with late veining. 14.78,15m, 22cm quartz,carb,hem vein 30 TCA, bladed pseudo texture, 90% qtz, carb 18.66,22.14m DZ highlighted by strong CBFrZ 20.26,21.66m, strong quartz,carb, hem veining/brecciation 20 to sub// TCA strongly hematized groundmass, from 21.66,22.14m, strong faint pink bleaching and brecciation of host rock in possible fault contact? 35.6m, minor py clots associated with swirling chlorite vein 0.5cm wide 39.6,40.6m, very broken core, probable fault contact, minor strong brecciation at 39.8m over 3,4cm in contact at 20 TCA
40.60	51.15	a1a	Ultramafic	dark green, fine to medium grained, very weakly magnetic, softer unit with soapy talc feeling to it in places, minor late hematite dominant fractures/vnlts, minor disseminated 2,4% very fine py and/or po in places, especially around joint/fractures 47.56,47.77m, porphyritic with white and pinkish feldspar pheno's up to 2,3mm across lower contact very hard to pinpoint and this ultra,mafic may be just a phase of the diabase
51.15	275.95	9	Diabase	light grey green, fine to medium grained with nice typical diabasic texture to a more weak gabbroic texture in places. Minor late quartz,carb,hem fractures/vnlts mostly at 30 TCA and shallower, strong hematization along joints/fractures and strong hem alteration of groundmass proximal to veining/fractures/joints, minor fine pyrite in places along hem dominant coated fractures. 53.66,56.5 DZ with broken core and strong qtz,carb,hem veining, 3 large veins up to 5cm across 30,45 TCA both ok and (X) 58.78m, 1 x 3cm hem,qtz,carb vein 35 TCA 60.15m, 1 x 0.5cm qch 60 TCA 60.65m, 1 x 2cm ribboned qch vein 60 TCA 64.24m, 1 x 2cm qch 30 TCA, possible phase contact at 67.1m 60 TCA 68.65m, 1 x 2cm quartz,carb,chl vein 30 TCA 70.9m, 1 x 2cm qch 50 TCA (x) 71.25,72.36m, very weak brecciation by qch 25 TCA 73.7m, 125 1 x 2cm and 1 x 1cm qch vn 25 TCA 74,85m, DZ with 20+ qtz,carb,hem veins/veinlets/fractures mostly 0,30 TCA, core fairly broken starting around the 76m mark, there is an increase in epidote alteration in the form of epidote dominant fractures/veins

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				generally 60,80 TCA, 1,2cm wide, around these intervals you get a speckled appearance where the feldspars have been altered to epidote, stronger hem alteration of groundmass around qch veins and fractures, possible weak kspar overprint in areas too 96.17m, minor py associated with faint fractures and quartz nodules 96.4m, 1 x3cm qch vein/interval 100.04,100.26m, 1 x 13cm wide qch vein/breccia at 45 TCA 107.3m, 1 x 2cm qtz,carb,hem,chl vn 65 TCA 110.7m, 1 x 1cm qch vn 45 TCA 115.1,115.5m, 1x2cm and 1 x 4cm qch vn sub// and 55TCA respectively 124.84,125.68m, epidote dominant vein/alteration plus minor qch veinlets sub// TCA 126.4,126.78m, 1 x 1cm qch vein 15 TCA 131.71,136.55m, CBFrZ highlighted by a qch vein parallel TCA from 132.4, 133.77m, weak brecciation associated with veining, section intensely hematized 138m, 1 x 1cm qch vein 20 TCA with associated diss py in the wallrock 144.46,145.8m, strong qch fracturing, mod hem alteration of groundmass, minor epidote alteration in fractures/veins 149.5,150.32m, weak DZ with broken core and 2 x 2,3cm qch veins 30 TCA 151.42,153.62m, intermittent silica +/, weak carb veinlets 2,3mm hosting blebby to cubic pyrite in actual veinlet or along side parallel to the veinlet in the wallrock, associated mod hem alteration of groundmass in section and minor epd alteration also fine disseminated pyrite in groundmass and in short discontiuous hairwidth fractures 153.72,159m, DZ highlighted by broken fractured core, strong hematization, abundant qtz,carb,hem fractures/veins 153.75 1 x 4cm ribboned qch 35 TCA, 157.76,157.92m weak brecciation by qch 65 TCA 161.8m 1 x 4cm qtz,carb veining 20 TCA 169.74m 1 x 6cm qch vein 60 TCA minor disseminated py at 171.6m coarse blebbly py at 172.15 associated in fine fractures 180,180.25m, qch veining in conjugate sets 184,190m coarser grained, weak hematization of groundmass 190,191.5m, strongly bleached, mafic minerals completely destroyed and removed, strongly hematitic, rock a deep burgundy colour, almost looks like a granite but veery gradational alteration contacts, upper contact 1 x 2cm qch vein 193,206m CBFrZ highlighted by a qtz,carb,hem breccia from 193,194.63m with a generla fabric 30 TCA, rest of zone strongly fractured and veined, sections of breccia over 5,10cm wide, all comprised of quartz,carb,hem, groundmass

METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
				generally strongly hematized 206,267m, more competent diabase with less qch fracturing and veining, intermittent sections of epidote alteration mostly concentrated around epidote dominant fractures/veins generally less than 1 cm wide, minor diss and/or fractured hosted py in places, intermittent intervals of hematization of groundmass, one 1,2mm qtz vnlt at 208m with minor py and possible sph 246,247.3m, minor blebby po with tr cpy associated with hairwidth qtz,chl fractures and minute qtz,chl clots 265.57m, minor blebby po +/, cpy in a 3mm qtz,chl veinlet 50 TCA 267,276.93m, chill margin of diabase dyke, fine grained with intermittent medium grained phases 272.84m, 0.5cm qtz,biotite veinlet with minor po and cpy 90 TCA 273,275m, minor tr diss po
275.95	276.93	FZ	FZ/Breccia	strongly hematitic quartz,carb,hem breccia, possible fault contact with granite, general fabric 45 TCA
276.93	282.66	a2a	Granite	coarse grained massive granite, intensely fractured/veined with quartz+sericite+carb+/,talc filled fractures/veinelts/joints minor weak epidote alteration and hematization, epidotization and sauseritization of feldspars in wallrock adjacent to fractures/vnlets, 282.16m to lower contact filled with 95% vuggy qtz,carb along lower faulted contact, lower contact appears about 45 TCA
282.66	325.69	9	Diabase	finer grained, strongly altered to 288.8m with hem alt of groundmass, late qtz, carb,hem veins/fractures and a qurtz,carb,hem breccia from 285.9,287.8m, fine speckled appearance to diabase a result of alt of felspars to talc? From 288.8m on, fairly competent diabase with intermittent epidote alteration around epd dominant fractures/veins 302,303m, quartz,chl vein with minor hem and trace diss py +/, cpy 30,40 TCA with minor late qch veins in wallrock parts
325.69	327.94	a8a	Mafic Dyke	very fine grained, sharp contacts @ 60 TCA, strongly magnetic
327.94	365.00	9	Diabase	medium grained, massive, weakly magnetic, weak epidote alteration of groundmass, stronger around fractures 338.38,339.16m, quartz,carb,hem breccia, sharp contacts at 45 TCA 345,352m, 4+ white qtz,carb veins up to 1cm thick 30,45 TCA 356m, 1 x 3cm qtz,carb,hem vein 40 TCA
365.00	386.28	a8a	Mafic Dyke?	sharp upper contact 45 TCA, very fine grained, non,magnetic, weak intermittent epidote alteration of groundmass, moderately fractured/veined hairwidth to 2, 3mm mostly at 30 TCA with quartz,carb+/,hem, lower contact veined and brecciated by qtz,carb,hem from 384.47,386.28m, lower contact 45 TCA

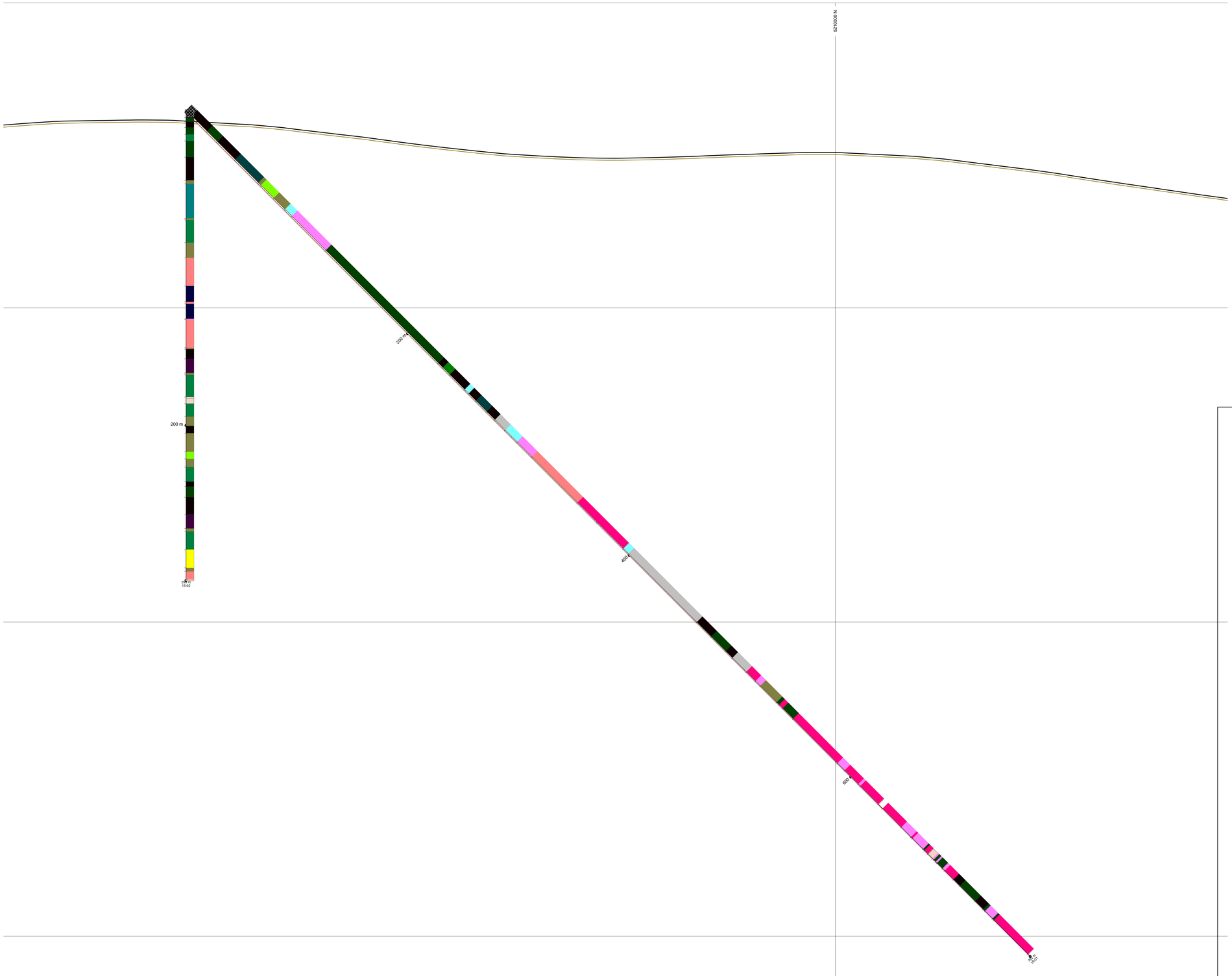
METERAGE				
FROM	TO	CODE	ROCK TYPE	DESCRIPTION
386.28	435.00	9	Diabase	medium grained, moderately magnetic, intermittent epidote and/or hematite alteration of groundmass moslty around fractures/ veins 398.7,398.79m, 1 x 5cm chl,quartz,carb,hem vein 50 TCA **401.34 1 x 1cm qtz-carb-hem-chl vein 35 TCA** 404.1m, 1 x 1.5cm qch vein 60 TCA 405.86m, 1 x 2cm qch vein 30 TCA 406.51,406.7m, strong epd alteration with hem filled veinlets 408.1m, 1 x4cm qch vein 60 TCA 410.4 m, 1 x 4cm qtz,carb,hem,epd,chl vein 40 TCA 418.8m,418.93m, silica,chl vein slightly boudined plus one thin veinlet 2mm across with coarse po and minor cpy, generally looks to be about 60 TCA 423.88,424.6m strong epidote alteration with 1 x 0.5cm qch vein 25 TCA 431.4,432.8m, mod ep alteration
	EOH			

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH
319909	Blank		
319910	151.37	152.26	0.89
319911	152.26	153	0.74
319912	153	153.62	0.62
319913	207.84	208.14	0.30
319914	246.62	247.29	0.67
319915	302	303	1.00
319916	418.72	419	0.28

SAMPLE NO.	SAMPLE FOOTAGE FROM	TO	SAMPLE LENGTH

APPENDIX D

DIAMOND DRILL SECTIONS



Legend

TOPOGRAPHY

Surface (DEM)

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCK			MAFIC INTRUSIVES
			FELSIC INTRUSIVES
			Feldspar Porphyry
			Mixed Sediments & Volcanics Contact Zone
			CLASTIC SEDIMENTS - undivided
			Siltstone
			FELSIC VOLCANICS - undivided
			amygdaloidal
			sparsely amygdaloidal
			chlorite flecked/amygdaloidal
			Massive Basalt
			ophitic - Ca-plagioclase dominant gabbroic; mg-cg massive flow
			hybrid unit at contact unit; "volcanic fragmental" volc. clasts & matrix
			Ultra Mafic /Cumulate
			Overburden
			Mixed Mafic volcanics
			Mixed Mafic volcanics
			Mixed Mafic volcanics
			Mixed Mafic volcanics
			Mixed Mafic volcanics

SECTION SPECS:

REF. PT. E, N	673714 m	5209900 m
EXTENTS	936.8 m	741.9 m
SECTION TOP, BOT	394.2 m	-347.7 m
TOLERANCE +/-	163.5 m	

SCALE

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 45°

N

W E

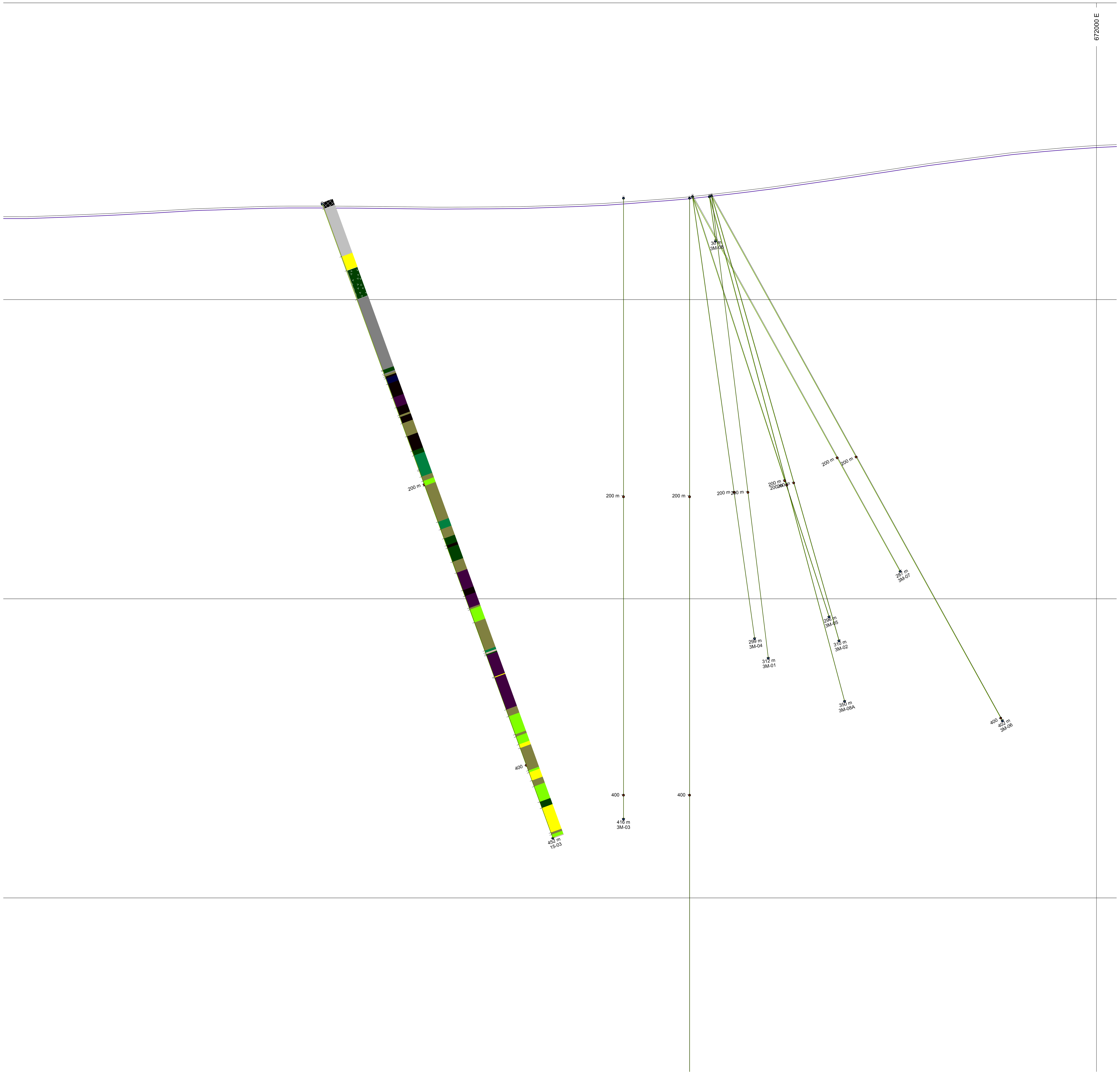
S

Superior Copper Corp.

Superior Project

SPC-15-01 & SPC-15-02

Looking NW



Legend

TOPOGRAPHY

Surface (DEM)

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCK			MAFIC INTRUSIVES
			Mixed Sediments & Volcanics Contact Zone
			Siltstone
			Sandstone
			Conglomerate - Polymictic
			Conglomerate - Basalt clasts
			amygdaloidal
			sparsely amygdaloidal
			Massive Basalt
			porphyritic
			Ultra Mafic /Cumulate
			Overburden
			Mixed Mafic volcanics
			Mixed Mafic volcanics
			Mixed Mafic volcanics

SECTION SPECS:

REF. PT. E, N	671573 m	5212710 m
EXTENTS	1405 m	784.2 m
SECTION TOP, BOT	398.4 m	-385.8 m
TOLERANCE +/-	81.5 m	

SCALE

(m)

-20 0 20 40 60

*unknown

AZIMUTH = 65°

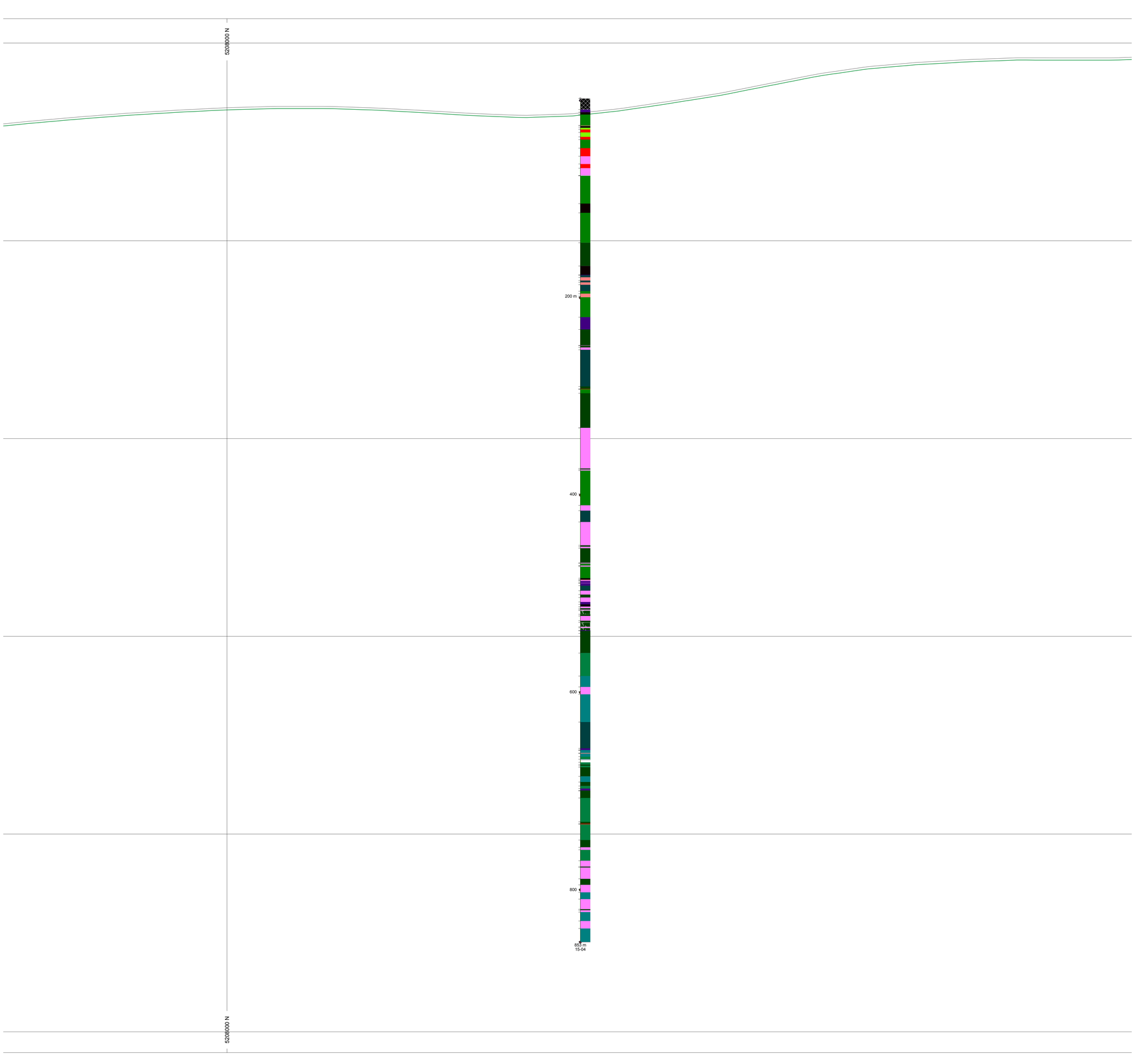
N W E S

Superior Copper Corp.

Superior Project

SPC-15-03

Looking NNW



Legend

TOPOGRAPHY

Surface (DEM)

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCK			Mafic sill/dyke; highly magnetic
			Feldspar Porphyry
			Mixed Sediments & Volcanics Contact Zone
			FELSIC VOLCANICS - undivided
			amygdaloidal
			sparsely amygdaloidal
			chlorite flecked/amygdaloidal
			Massive Basalt
			ophitic - Ca-plagioclase dominant
			ophitic- patchy (<5%) pegmatoidal
			gabbroic; mg-cg massive flow
			Overburden
			Breccia
			Fault Zone
			CBFrZ
			Daisystone
			Mixed Mafic volcanics
			Pillow Basalt
			Mixed Mafic volcanics

SECTION SPECS:

REF. PT. E, N	679150 m	5208360 m
EXTENTS	1874 m	1046 m
SECTION TOP, BOT	424.6 m	-621 m
TOLERANCE +/-	267 m	

SCALE

(m)

-20 0 20 40 60 80

*unknown

AZIMUTH = 0°

N

W E

S

Superior Copper Corp.

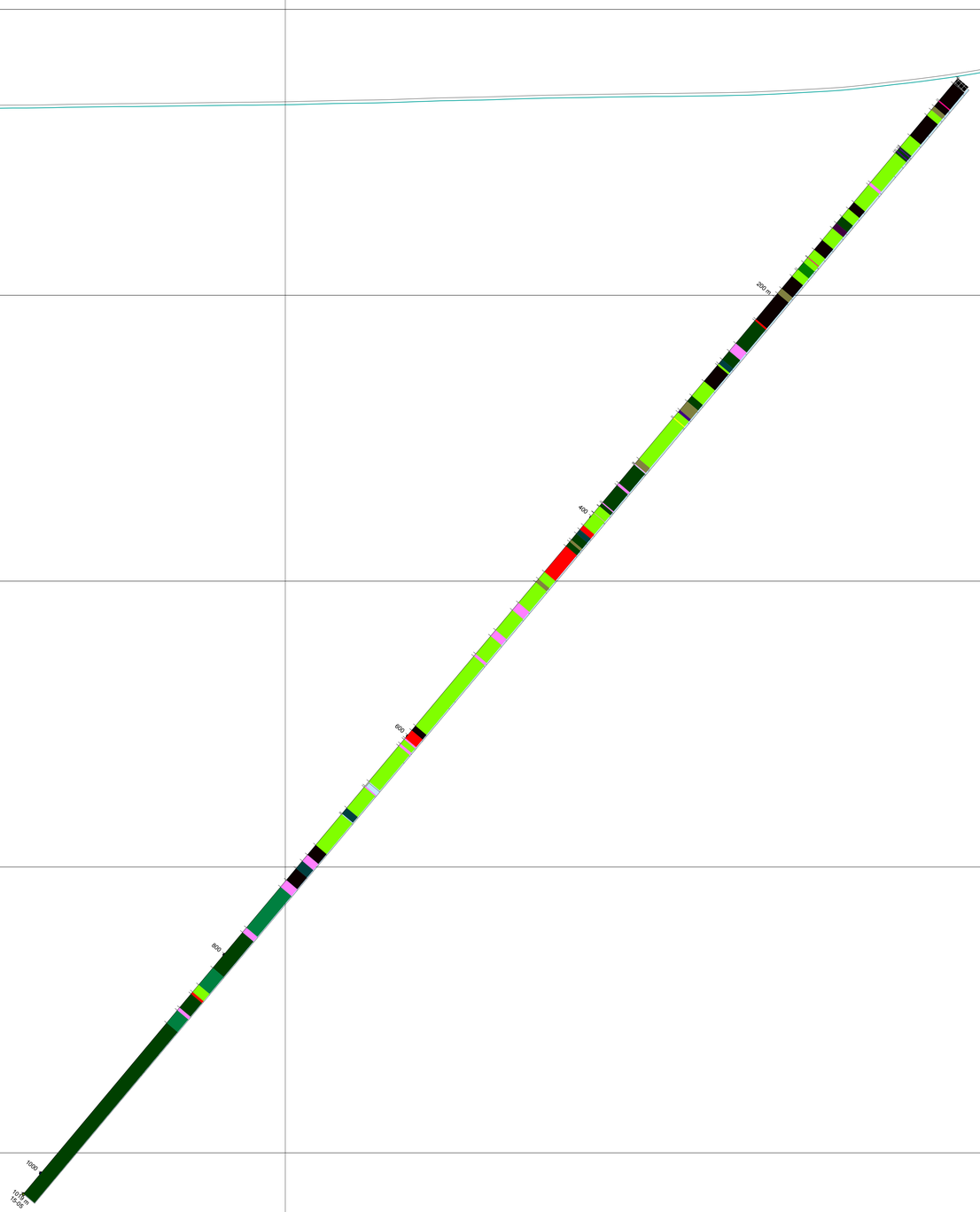
Superior Project

SPC-15-04

Looking N

677000 E

5209000 N



677000 E

5209000 N

Legend

TOPOGRAPHY

Surface (DEM)

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCK			Mafic sill/dyke; highly magnetic
			FELSIC INTRUSIVES
			Feldspar Porphyry
			Mixed Sediments & Volcanics Contact Zone
			Pebble Sandstone
			amygdaloidal
			sparsely amygdaloidal
			chlorite flecked/amygdaloidal
			Massive Basalt
			gabbroic; mg-cg massive flow
			Ultra Mafic /Cumulate
			Overburden
			Breccia
			Mixed Mafic volcanics
			Mixed Mafic volcanics

SECTION SPECS:

REF. PT. E, N	677333 m	5209110 m
EXTENTS	1874 m	1046 m
SECTION TOP, BOT	454.6 m	-591 m
TOLERANCE +/-	75.5 m	

SCALE

(m)

-20 0 20 40 60 80

*unknown

AZIMUTH = 45°

N W E S

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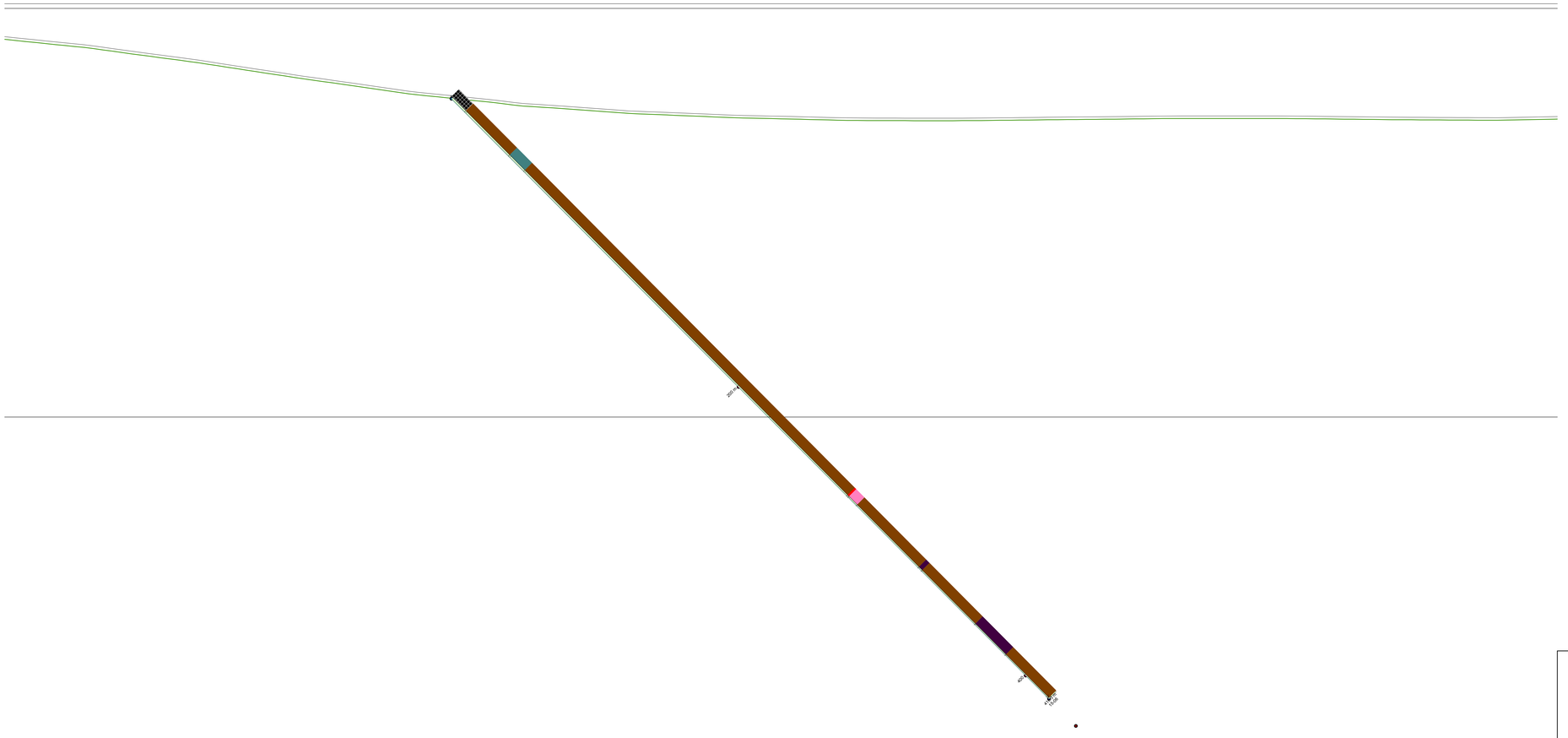
Superior Project

SPC-15-05

Looking NW



Legend

TOPOGRAPHY

Surface (DEM)

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCK			Overburden
			Diabase
			Archean Mafic Volcanics
			Fault Breccia
			Archean Granite
			Mafic Dyke

SECTION SPECS:

REF. PT. E, N	680448 m	5215470 m
EXTENTS	936.8 m	522.8 m
SECTION TOP, BOT	402.3 m	-120.5 m
TOLERANCE +/-	25.35 m	

SCALE

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 20°

N W E S

Superior Copper Corp.

Superior Project

SPC-15-06

Looking WNW

APPENDIX E

ASSAY CERTIFICATES

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE SD15012554

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 28-JAN-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

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TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319101A	0.48	<5	0.13	6.96	6.1	1580	1.89	0.31	3.78	<0.02	83.2	41.4	14	0.40	441
R319101B	<0.02	<5	0.11	6.73	5.8	1530	1.78	0.31	3.62	0.02	81.7	40.9	14	0.40	427
R319102	2.37	<5	0.02	5.97	5.8	40	1.41	0.12	4.01	0.04	66.1	33.9	15	0.12	85.5
R319103	2.19	<5	0.03	7.08	7.1	30	1.24	0.16	7.06	0.05	51.4	44.1	38	0.09	166.5
R319104	1.80	<5	0.04	6.20	3.6	120	0.79	0.22	3.94	0.06	37.0	46.3	38	0.14	115.0
R319105	0.97	<5	0.20	6.86	4.5	150	0.91	0.32	6.09	0.03	41.5	49.4	31	0.09	308
R319106	2.05	<5	0.03	7.22	3.9	280	0.87	0.26	4.78	0.02	35.6	62.2	28	0.15	278
R319107	0.82	<5	0.05	4.54	5.4	20	0.78	0.41	9.50	0.03	36.3	52.2	18	0.07	893
R319108	0.44	<5	0.03	3.33	1.8	270	0.54	0.03	1.30	0.06	19.85	5.7	44	0.56	11.0
R319109	0.87	<5	0.29	5.12	6.2	50	0.66	0.45	9.23	0.05	34.0	52.5	21	0.12	1450
R319110	0.66	<5	1.75	6.01	6.3	120	0.91	2.01	7.71	0.02	31.8	56.6	26	0.20	4510
R319111	0.79	<5	0.14	6.65	6.4	20	1.07	0.46	7.83	0.65	38.3	54.0	25	0.07	806
R319112	1.01	<5	0.01	6.61	3.5	20	0.64	0.19	11.45	0.07	22.5	27.7	59	0.25	51.6
R319113	0.87	<5	0.09	6.96	7.5	20	0.66	0.58	10.50	0.05	25.9	30.7	47	0.24	2790
R319114	0.88	<5	0.06	6.66	4.0	10	1.02	0.20	8.15	0.12	32.6	40.3	34	0.26	778
R319115	1.97	<5	0.10	6.54	3.2	120	1.21	0.36	4.06	0.02	59.1	44.2	12	0.11	362
R319116	0.02	333	1.96	7.68	32.0	390	1.01	0.80	1.20	3.37	29.9	12.2	26	9.71	2270
R319117	2.00	<5	0.08	6.63	3.5	640	1.31	0.13	3.48	<0.02	60.2	48.7	8	0.25	225
R319118	1.74	<5	0.04	5.32	3.4	400	1.67	0.39	5.60	0.03	92.0	1.5	20	2.62	347
R319119	1.45	<5	0.15	8.03	5.8	450	1.69	2.04	8.25	1.62	42.5	15.4	79	2.36	253
R319120	1.90	<5	0.03	8.77	2.8	250	1.82	0.55	7.92	0.17	36.8	45.6	72	3.35	53.2
R319121	0.81	<5	0.07	8.12	2.9	130	1.17	0.44	7.10	0.40	24.8	72.8	73	1.92	71.5
R319122	0.94	<5	0.07	7.05	3.2	100	1.34	2.15	7.38	0.41	27.8	48.2	67	2.03	151.0
R319123	1.93	<5	0.01	7.04	3.9	270	1.18	0.75	5.60	0.02	19.60	55.6	76	1.59	28.9
R319124	2.11	<5	0.01	6.78	3.9	40	1.33	0.81	6.99	0.02	21.4	53.5	75	2.82	46.5
R319125	1.31	<5	0.36	6.99	2.8	30	1.15	0.57	4.83	<0.02	20.0	60.7	74	0.27	691
R319126	<0.02	<5	0.50	5.17	16.0	180	6.84	0.45	1.11	0.05	>500	47.3	28	2.51	413
R319127	1.04	<5	0.03	6.59	4.0	100	0.51	0.18	6.57	0.13	20.8	57.6	74	1.82	354
R319128	2.03	<5	0.03	6.94	2.6	110	0.54	0.06	6.63	0.02	23.8	51.7	70	1.30	156.5
R319129	0.93	<5	0.02	8.21	1.5	150	0.38	0.04	7.00	0.03	13.50	57.1	89	2.30	164.0
R319130	1.13	<5	0.09	6.86	1.6	210	0.49	0.04	6.02	0.11	21.4	50.8	77	2.66	163.0
R319131	0.59	<5	0.08	7.09	1.3	220	0.49	0.04	6.04	0.16	21.5	52.3	79	2.89	168.5
R319132	1.00	<5	0.13	7.35	2.0	260	0.51	0.05	6.86	0.05	22.7	56.8	78	3.48	158.0
R319133	1.18	45	0.40	6.53	4.0	20	0.31	4.26	7.80	0.06	11.25	41.3	80	0.13	2800
R319134	0.46	34	0.44	7.17	4.1	50	0.27	4.10	7.99	0.07	9.56	47.8	51	0.59	2710
R319135	0.30	39	0.32	6.78	4.0	80	0.27	3.90	7.27	0.07	8.50	38.3	56	0.45	2170

***** See Appendix Page for comments regarding this certificate *****

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Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R319101A	9.48	20.6	0.16	6.7	0.087	2.51	39.9	17.3	2.35	1140	1.09	1.73	25.8	15.0	2400
R319101B	9.21	20.5	0.13	6.8	0.081	2.45	39.5	17.6	2.26	1100	1.16	1.67	25.7	15.3	2310
R319102	8.09	15.95	0.11	5.7	0.074	0.05	32.0	15.8	2.10	904	1.08	2.02	21.7	15.3	2080
R319103	8.97	19.80	0.10	4.1	0.118	0.03	25.8	19.9	3.24	1400	0.67	2.02	14.8	41.8	1110
R319104	9.49	18.70	0.10	3.1	0.075	0.22	19.2	16.1	2.84	1170	1.01	2.08	10.9	41.0	770
R319105	11.00	21.3	0.10	3.2	0.124	0.27	19.5	12.6	3.27	1480	1.53	2.42	11.1	40.2	880
R319106	11.20	20.1	0.09	3.4	0.078	0.46	17.0	18.9	3.86	1740	1.28	2.55	11.7	45.5	900
R319107	13.25	16.60	0.09	2.2	0.230	0.05	19.5	5.9	3.08	2110	2.00	0.58	7.4	31.5	550
R319108	1.92	6.98	0.06	1.5	0.016	0.83	10.7	5.0	0.55	277	0.20	1.29	2.6	15.7	170
R319109	13.20	17.00	0.08	2.3	0.189	0.10	18.1	11.1	2.99	1880	1.92	0.68	7.9	36.6	600
R319110	12.40	17.60	0.11	2.9	0.146	0.23	15.7	19.4	3.20	1670	1.07	1.75	9.7	41.4	720
R319111	10.70	19.95	0.08	3.2	0.146	0.05	18.5	20.1	3.73	1500	0.75	1.61	11.1	45.7	790
R319112	8.48	16.85	0.07	2.0	0.145	0.03	11.4	15.8	1.63	1370	0.78	0.02	5.9	44.1	470
R319113	8.89	19.70	0.06	2.4	0.176	0.03	12.6	26.3	2.33	1600	0.74	0.02	7.4	38.7	590
R319114	10.45	19.40	0.07	3.0	0.127	0.03	16.3	17.8	2.39	1200	0.86	0.39	9.5	40.2	740
R319115	10.30	20.3	0.10	5.5	0.092	0.18	28.7	17.2	2.26	1180	1.36	2.42	19.3	23.9	960
R319116	5.14	17.00	0.09	0.2	0.173	2.45	15.1	31.5	0.75	1120	19.25	0.70	4.3	19.6	740
R319117	10.35	20.9	0.12	5.7	0.088	0.98	29.8	15.1	2.26	1320	1.05	2.59	19.9	26.8	960
R319118	2.77	18.70	0.12	5.8	0.245	1.72	50.4	3.7	0.15	589	1.42	0.32	27.1	1.9	240
R319119	6.87	32.3	0.10	2.8	0.292	1.99	24.3	15.1	1.29	1160	2.07	0.10	11.8	38.9	520
R319120	8.34	28.0	0.09	2.5	0.215	1.93	19.2	35.0	3.93	2020	1.31	0.18	7.3	77.4	590
R319121	10.30	25.8	0.08	2.5	0.115	0.98	11.7	58.8	6.61	2620	0.35	0.10	6.3	136.0	600
R319122	8.88	18.40	0.08	2.1	0.096	0.60	14.4	35.2	4.18	2210	14.75	0.65	5.9	65.7	510
R319123	8.88	17.35	0.06	2.0	0.077	0.17	9.6	28.5	4.10	1860	0.56	1.17	5.7	65.8	480
R319124	8.54	18.75	0.09	2.0	0.127	0.19	10.7	30.8	4.22	1620	0.73	0.27	5.7	72.7	460
R319125	8.96	17.55	0.08	1.9	0.072	0.08	9.8	29.3	4.56	1920	2.11	2.42	5.8	76.7	480
R319126	9.75	29.8	0.92	3.6	0.038	2.24	740	25.9	1.12	891	20.2	0.05	51.7	8.4	1190
R319127	9.01	17.75	0.08	1.9	0.079	0.19	10.2	20.5	4.04	1610	1.84	1.18	5.2	69.5	430
R319128	8.31	17.20	0.07	2.2	0.074	0.16	11.5	18.0	3.97	1540	0.49	1.90	6.7	69.5	540
R319129	8.02	17.65	0.07	1.4	0.063	0.27	6.6	25.7	4.49	1520	0.19	1.42	3.7	152.0	330
R319130	8.85	17.85	0.07	2.1	0.071	0.39	10.2	16.2	3.65	1500	0.58	1.71	6.0	66.2	480
R319131	9.60	18.50	0.07	2.1	0.076	0.45	10.4	17.1	3.89	1500	0.45	1.82	6.0	65.4	490
R319132	9.65	22.3	0.10	2.2	0.074	0.46	12.3	22.8	4.26	1660	5.43	1.52	6.3	70.6	490
R319133	8.14	15.35	0.07	1.1	0.077	0.08	6.1	7.0	2.91	973	3.56	1.72	2.4	132.5	320
R319134	7.96	22.5	0.06	1.0	0.076	0.12	5.0	13.5	3.26	994	3.93	1.12	2.2	106.5	280
R319135	7.15	17.95	0.07	0.9	0.084	0.24	4.7	9.8	2.66	889	3.59	1.34	2.0	86.9	230

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319101A		10.4	69.2	<0.002	0.04	0.46	32.1	4	2.2	195.0	1.62	0.12	12.8	0.955	0.40	2.7
R319101B		10.4	67.8	<0.002	0.04	0.46	31.8	5	2.1	188.0	1.61	0.06	12.8	0.920	0.40	2.7
R319102		8.9	1.8	<0.002	<0.01	0.29	27.2	2	1.8	197.0	1.34	<0.05	10.9	0.811	<0.02	2.5
R319103		10.2	0.5	<0.002	0.01	0.36	46.0	2	1.4	285	0.87	<0.05	5.4	0.850	<0.02	1.9
R319104		7.5	4.7	<0.002	0.01	0.32	36.8	1	1.0	188.5	0.63	0.05	3.8	0.680	0.03	1.6
R319105		7.9	5.4	<0.002	0.02	0.52	46.3	2	1.1	255	0.66	0.15	3.6	0.788	0.03	1.0
R319106		6.4	10.3	<0.002	0.02	0.44	50.7	2	1.0	201	0.68	<0.05	3.7	0.851	0.05	1.1
R319107		9.5	0.4	<0.002	0.06	0.50	33.2	3	1.0	275	0.44	<0.05	2.4	0.544	<0.02	0.8
R319108		6.6	26.6	<0.002	<0.01	0.11	6.5	<1	0.4	169.0	0.20	<0.05	2.4	0.174	0.13	0.6
R319109		28.6	2.3	<0.002	0.05	0.60	32.8	4	0.8	325	0.47	0.12	2.6	0.579	<0.02	1.4
R319110		35.2	6.0	<0.002	0.40	0.53	42.0	14	0.9	230	0.58	1.12	3.2	0.696	0.04	1.1
R319111		11.1	0.6	<0.002	0.06	0.52	46.9	2	1.0	294	0.67	0.06	3.6	0.761	<0.02	1.6
R319112		10.2	0.9	<0.002	<0.01	0.41	40.0	1	0.8	318	0.36	<0.05	2.0	0.522	<0.02	1.1
R319113		8.9	1.2	<0.002	0.22	0.73	40.4	2	1.1	410	0.45	0.05	2.7	0.584	<0.02	1.3
R319114		9.4	0.9	<0.002	0.06	0.37	45.6	2	1.0	399	0.57	<0.05	3.2	0.690	<0.02	1.5
R319115		10.9	4.4	<0.002	0.02	0.34	38.2	3	1.9	198.5	1.18	<0.05	8.8	0.919	0.04	2.6
R319116		74.1	94.3	0.187	2.94	1.87	7.9	5	2.1	196.0	0.30	0.62	4.6	0.184	1.43	0.9
R319117		5.8	26.9	0.002	0.02	0.38	40.3	2	1.9	172.0	1.19	<0.05	9.3	0.930	0.16	2.7
R319118		6.4	98.9	<0.002	0.01	0.25	6.6	1	3.6	143.0	1.83	<0.05	21.1	0.193	0.44	6.2
R319119		660	115.0	<0.002	0.98	0.29	46.2	2	4.3	204	0.59	0.06	4.5	0.585	0.52	5.1
R319120		9.3	123.0	<0.002	0.17	0.41	61.4	2	2.5	115.0	0.41	<0.05	2.4	0.639	0.55	3.7
R319121		5.0	47.9	<0.002	0.15	0.20	53.6	2	1.7	45.3	0.39	<0.05	2.2	0.597	0.29	2.3
R319122		8.2	34.3	0.003	0.93	0.33	49.7	2	0.9	115.0	0.36	0.12	2.0	0.586	0.16	1.1
R319123		6.2	8.5	<0.002	0.79	0.39	49.6	2	0.7	153.5	0.34	0.07	1.9	0.569	0.04	0.9
R319124		5.5	8.5	<0.002	0.06	0.41	46.9	2	1.0	199.5	0.36	<0.05	1.9	0.534	0.06	2.6
R319125		5.6	3.6	0.009	0.05	0.56	46.9	2	0.6	174.0	0.34	<0.05	1.8	0.557	0.03	1.7
R319126		23.3	186.0	0.101	0.09	1.08	9.0	10	8.0	21.3	2.13	0.10	35.8	0.314	0.70	378
R319127		3.5	6.4	0.004	0.03	0.24	42.7	2	0.7	180.0	0.34	<0.05	1.7	0.511	0.05	0.7
R319128		3.0	5.0	0.005	0.02	0.09	43.3	2	0.8	205	0.42	<0.05	2.4	0.563	0.05	1.0
R319129		2.5	8.7	0.002	0.01	0.09	39.4	1	0.5	182.5	0.23	<0.05	1.3	0.439	0.08	0.9
R319130		4.1	14.3	0.003	0.13	0.07	48.0	2	0.7	183.5	0.37	<0.05	1.9	0.559	0.16	1.4
R319131		5.8	16.3	0.003	0.53	0.06	48.1	4	0.7	185.5	0.36	<0.05	1.9	0.571	0.13	1.6
R319132		4.5	20.5	0.051	0.01	0.09	51.1	1	0.7	196.5	0.39	<0.05	2.0	0.583	0.13	0.5
R319133		6.4	2.8	0.005	0.07	0.30	36.2	10	0.4	258	0.15	0.09	0.6	0.399	0.02	1.0
R319134		6.4	4.1	0.008	0.06	0.23	26.5	5	0.5	268	0.13	0.07	0.5	0.349	0.03	0.7
R319135		6.0	7.9	0.004	0.05	0.27	24.9	5	0.5	269	0.12	0.08	0.5	0.326	0.05	0.7

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319101A	217	1.2	52.6	108	248	9.08	5.73	1.82	8.66	1.98	0.84	37.6	10.05	8.30	1.40
R319101B	209	1.1	51.9	104	243	8.96	5.73	1.83	8.70	1.95	0.84	36.7	10.05	8.18	1.40
R319102	159	0.9	45.0	93	214	7.68	4.77	1.58	7.28	1.64	0.69	30.1	8.17	6.77	1.17
R319103	296	1.5	39.5	102	150.5	6.88	4.39	1.62	6.22	1.49	0.65	24.5	6.18	5.57	1.03
R319104	270	1.0	30.7	113	116.0	5.24	3.37	1.31	4.80	1.13	0.49	18.3	4.58	4.28	0.80
R319105	344	1.0	35.2	96	121.0	6.04	3.95	1.53	5.39	1.34	0.58	19.7	4.92	4.73	0.90
R319106	353	1.1	35.3	147	124.5	6.02	3.97	1.38	5.11	1.33	0.59	17.3	4.32	4.37	0.88
R319107	249	2.3	29.2	67	78.1	4.70	3.11	1.16	4.37	1.05	0.47	17.7	4.44	3.95	0.71
R319108	52	0.2	6.6	22	50.8	1.26	0.73	0.45	1.38	0.25	0.12	9.5	2.57	1.84	0.21
R319109	256	2.6	27.8	71	84.5	4.69	3.00	1.11	4.20	1.01	0.42	16.8	4.18	3.78	0.69
R319110	291	1.5	31.2	108	107.5	5.28	3.48	1.32	4.54	1.17	0.50	15.6	3.84	3.88	0.78
R319111	327	1.6	34.6	101	124.0	5.82	3.89	1.47	4.96	1.31	0.57	17.9	4.51	4.37	0.87
R319112	305	1.1	26.2	78	70.0	4.39	2.88	1.05	3.78	0.98	0.44	11.7	2.80	3.04	0.64
R319113	284	1.2	29.0	116	86.2	4.87	3.25	1.11	4.18	1.09	0.49	13.3	3.25	3.41	0.71
R319114	300	0.8	33.4	92	108.0	5.53	3.67	1.28	4.89	1.24	0.55	16.5	4.04	4.02	0.83
R319115	344	1.5	46.8	93	202	7.88	5.10	1.63	7.03	1.72	0.77	27.1	7.03	6.38	1.18
R319116	72	4.2	9.5	738	5.9	1.83	0.91	0.89	2.43	0.34	0.11	14.3	3.64	3.09	0.33
R319117	346	1.9	47.8	96	207	7.81	5.19	1.63	6.96	1.74	0.79	27.5	7.29	6.46	1.18
R319118	74	0.9	37.7	14	204	6.06	4.03	0.82	5.58	1.32	0.60	32.8	10.00	6.07	0.92
R319119	234	1.4	38.4	92	97.0	6.13	4.32	1.21	5.02	1.39	0.60	18.4	4.81	4.27	0.87
R319120	389	2.8	37.5	219	86.6	6.22	4.23	1.50	5.33	1.40	0.61	17.7	4.36	4.44	0.92
R319121	282	2.6	38.0	351	89.3	6.25	4.51	1.14	4.98	1.46	0.64	13.0	3.05	3.63	0.89
R319122	303	2.0	31.7	278	75.8	5.23	3.52	1.27	4.40	1.17	0.54	13.6	3.37	3.56	0.77
R319123	287	1.7	27.1	216	70.2	4.49	3.00	0.99	3.72	1.02	0.47	10.5	2.47	2.88	0.65
R319124	267	2.1	27.0	182	66.8	4.79	3.15	1.07	3.98	1.06	0.49	11.2	2.66	2.97	0.68
R319125	273	1.4	25.9	179	64.9	4.47	3.02	0.97	3.75	1.03	0.44	10.8	2.53	2.82	0.66
R319126	72	18.1	133.5	21	121.0	27.7	15.15	8.07	33.7	5.48	1.90	402	135.0	49.2	4.97
R319127	262	0.6	25.1	106	63.9	4.32	2.88	1.19	3.57	0.99	0.43	10.5	2.50	2.69	0.63
R319128	271	0.6	28.2	83	78.6	5.06	3.36	1.13	4.20	1.13	0.50	12.3	2.96	3.12	0.74
R319129	216	0.4	19.9	93	47.9	3.51	2.37	0.81	2.89	0.79	0.35	7.6	1.77	2.07	0.50
R319130	284	0.2	27.4	96	72.4	4.83	3.22	1.09	3.93	1.07	0.49	11.3	2.65	3.05	0.71
R319131	291	0.2	27.8	101	73.2	4.88	3.26	1.12	3.96	1.10	0.50	11.3	2.73	3.05	0.72
R319132	328	0.5	27.3	99	76.1	4.80	3.18	1.11	4.02	1.10	0.51	11.6	2.78	3.03	0.70
R319133	198	0.8	16.9	45	36.9	2.97	1.99	0.78	2.43	0.68	0.30	6.4	1.45	1.71	0.42
R319134	228	0.8	15.0	57	33.4	2.65	1.76	0.80	2.18	0.60	0.29	5.6	1.25	1.53	0.37
R319135	191	0.7	13.1	42	30.4	2.30	1.56	0.76	1.88	0.53	0.26	4.9	1.11	1.42	0.33

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319101A		0.83	5.42
R319101B		0.85	5.45
R319102		0.72	4.52
R319103		0.67	4.26
R319104		0.50	3.24
R319105		0.59	3.84
R319106		0.59	3.84
R319107		0.47	3.12
R319108		0.11	0.75
R319109		0.44	2.84
R319110		0.53	3.37
R319111		0.57	3.72
R319112		0.43	2.78
R319113		0.49	3.16
R319114		0.54	3.54
R319115		0.76	4.99
R319116		0.13	0.83
R319117		0.80	5.13
R319118		0.61	3.96
R319119		0.63	4.02
R319120		0.63	4.09
R319121		0.66	4.33
R319122		0.52	3.43
R319123		0.45	3.04
R319124		0.47	3.08
R319125		0.46	2.83
R319126		2.18	13.35
R319127		0.43	2.79
R319128		0.50	3.24
R319129		0.35	2.25
R319130		0.48	3.10
R319131		0.48	3.15
R319132		0.49	3.18
R319133		0.30	1.93
R319134		0.27	1.78
R319135		0.24	1.62

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 11-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012554

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE SD15012555

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 28-JAN-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

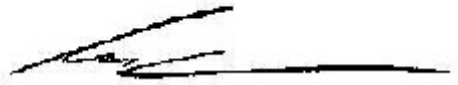
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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CERTIFICATE OF ANALYSIS SD 15012555

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319136A	1.18	<5	0.04	6.30	1.9	150	0.42	0.03	5.31	0.13	18.45	49.1	75	1.20	127.5
R319136B	<0.02	<5	0.05	6.10	2.1	140	0.46	0.03	5.13	0.10	18.15	47.6	72	1.19	122.5
R319137	1.20	<5	0.35	7.54	6.1	140	0.40	0.05	4.12	2.21	14.85	59.3	91	2.22	660
R319138	0.65	<5	6.22	4.66	5.5	10	0.46	0.15	5.42	0.05	16.15	45.3	67	0.25	4250
R319139	0.88	<5	1.47	6.51	8.8	20	0.40	0.11	6.76	<0.02	15.95	61.1	67	0.69	502
R319140	0.79	6	0.16	6.76	6.4	30	0.38	0.24	7.83	0.02	20.4	38.8	81	0.60	213
R319141	1.35	<5	0.03	7.12	16.6	60	0.45	0.52	5.12	<0.02	13.75	56.1	95	1.28	43.5
R319142	1.85	10	0.28	7.58	10.7	140	0.34	0.70	4.11	<0.02	10.50	60.2	105	1.48	546
R319143	0.44	<5	0.02	3.29	1.6	260	0.55	0.04	1.34	0.07	20.2	6.3	49	0.62	11.6
R319144	0.58	8	1.47	8.31	37.8	240	0.49	3.75	8.57	<0.02	12.15	44.2	84	0.61	2400
R319145	1.07	<5	0.19	7.66	14.5	160	0.39	0.46	4.34	<0.02	10.60	56.1	100	0.55	239
R319146	1.23	6	0.75	7.38	26.3	80	0.54	0.63	8.56	0.05	14.80	51.9	68	0.37	817
R319147	0.83	17	1.65	7.62	10.7	140	0.53	0.81	4.65	0.02	9.30	70.5	98	1.16	1570
R319148	1.84	14	0.32	7.32	9.0	330	0.46	0.34	6.08	0.06	12.05	60.4	88	5.88	715
R319149	0.61	<5	0.98	5.63	15.8	210	0.30	0.17	7.25	13.35	6.86	58.4	64	1.17	>10000
R319150	1.88	<5	0.04	8.00	6.9	190	0.39	0.07	7.07	0.13	12.35	58.7	95	4.33	187.5
R319151	0.02	322	2.09	7.33	29.3	380	0.83	0.75	1.14	3.59	29.4	11.5	27	9.55	2220
R319152	0.65	<5	0.02	6.94	5.8	50	0.49	0.16	7.96	<0.02	13.85	49.1	71	0.44	37.3
R319153	1.84	<5	0.01	7.47	16.0	50	0.52	0.29	11.00	0.03	16.90	47.7	75	0.12	13.9
R319154	0.53	<5	0.37	7.25	8.1	110	0.90	0.36	7.90	0.18	28.4	44.1	70	0.19	878
R319155	1.91	<5	0.05	7.99	4.6	40	0.79	0.15	7.83	0.12	22.5	35.9	85	0.11	30.2
R319156	0.63	<5	0.05	4.39	12.1	500	2.40	0.04	1.57	0.10	62.4	0.9	16	1.61	18.5
R319157	0.72	<5	0.03	4.55	5.7	470	1.96	0.03	5.26	0.16	104.5	1.3	17	2.04	10.2
R319158	0.45	<5	0.03	5.84	7.3	500	2.40	0.06	0.71	0.03	133.5	2.6	19	2.87	13.6
R319159	0.75	<5	0.02	5.96	21.5	120	3.27	0.04	1.20	0.02	130.0	1.9	11	4.45	7.2
R319160	0.73	<5	0.03	4.86	3.2	470	2.64	0.04	6.45	0.12	204	1.4	13	1.42	4.3
R319161	<0.02	8	0.52	5.29	17.2	180	6.65	0.44	1.12	0.03	>500	48.4	27	2.40	415
R319162	0.53	<5	0.03	5.95	2.6	660	3.44	0.03	0.51	<0.02	164.5	1.0	26	1.90	3.4
R319163	0.62	<5	0.01	6.08	1.5	950	2.17	0.03	1.04	<0.02	160.5	1.1	15	0.79	2.8
R319164	0.68	<5	<0.01	6.22	1.6	260	3.46	0.04	1.56	<0.02	165.5	1.8	6	4.35	2.6
R319165	2.02	<5	<0.01	7.12	7.5	220	1.08	0.12	4.10	<0.02	35.9	42.0	43	0.60	3.4
R319166	2.12	<5	0.01	6.79	8.6	130	1.41	0.12	4.09	<0.02	45.9	45.3	35	0.39	8.2
R319167	0.86	<5	0.09	6.88	8.5	130	1.16	0.11	4.00	<0.02	35.3	41.0	37	0.48	77.6
R319168	1.91	<5	0.05	7.05	8.7	100	1.20	0.13	4.31	<0.02	50.6	40.7	39	0.22	46.6
R319169	1.01	<5	0.01	6.10	10.7	80	1.03	0.18	4.90	<0.02	87.9	38.8	36	0.11	80.6
R319170	0.67	<5	0.02	6.40	10.5	100	0.97	0.16	4.38	<0.02	34.9	39.3	40	0.12	106.0

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012555

Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R319136A	9.28	15.70	0.07	1.8	0.062	0.28	9.3	14.8	3.86	1700	1.80	2.05	5.0	65.3	420
R319136B	9.02	15.60	0.06	1.7	0.063	0.27	9.0	14.3	3.73	1580	1.88	1.99	4.9	63.8	420
R319137	10.05	14.60	0.06	1.5	0.039	0.48	7.0	21.4	3.92	1180	4.11	3.32	4.1	139.5	420
R319138	7.43	11.20	0.06	1.3	0.073	0.04	7.1	12.8	3.71	1070	0.50	1.56	3.3	133.5	310
R319139	8.12	13.15	0.06	1.4	0.063	0.15	7.2	15.9	5.12	1360	0.31	2.13	3.3	170.5	320
R319140	8.47	14.10	0.05	1.5	0.093	0.16	9.8	7.6	3.26	1100	1.08	1.73	3.9	114.5	310
R319141	7.81	14.70	0.05	1.4	0.057	0.38	6.3	24.4	4.32	1280	3.34	3.00	3.3	138.5	370
R319142	7.63	15.05	0.07	1.6	0.044	0.52	4.8	32.0	4.15	1280	6.30	3.38	3.6	149.0	360
R319143	1.99	7.72	0.09	1.6	0.016	0.81	10.9	5.4	0.58	282	0.25	1.26	3.0	17.6	170
R319144	7.88	22.6	0.08	1.4	0.083	0.62	5.8	16.3	3.04	1500	4.42	1.88	3.3	110.5	350
R319145	6.87	13.40	0.06	1.4	0.049	0.59	4.9	26.3	3.91	1290	3.77	3.33	3.3	138.5	390
R319146	7.63	19.60	0.06	1.1	0.087	0.43	7.3	16.2	4.14	1520	4.78	1.56	2.5	127.5	290
R319147	8.01	17.15	0.07	1.4	0.047	0.62	4.1	49.0	5.25	1580	7.82	2.13	3.3	166.5	360
R319148	7.79	15.45	0.08	1.4	0.066	1.06	5.7	26.6	4.33	1360	2.27	1.87	3.0	137.0	340
R319149	9.67	13.35	0.12	0.8	0.104	0.88	3.3	13.1	4.24	1460	7.14	1.24	1.9	130.5	210
R319150	8.00	16.65	<0.05	1.4	0.063	0.82	5.9	20.5	4.55	1320	1.19	1.76	3.1	132.5	370
R319151	4.88	16.40	0.09	0.2	0.156	2.38	15.2	28.5	0.73	1080	19.75	0.68	4.2	19.4	730
R319152	7.84	13.65	0.05	1.3	0.107	0.32	6.7	10.5	4.40	1220	0.44	2.13	3.2	114.5	350
R319153	8.49	17.40	0.08	1.3	0.119	0.40	8.8	15.6	4.38	1490	0.51	0.39	3.5	142.5	300
R319154	6.71	17.15	0.06	1.6	0.149	1.04	15.1	15.7	2.77	1080	0.67	1.80	5.4	138.5	290
R319155	6.44	16.45	<0.05	1.7	0.142	0.42	11.8	14.0	2.63	930	0.62	2.62	5.7	123.0	330
R319156	0.57	17.30	0.20	6.0	0.016	4.06	29.9	2.8	0.04	72	1.34	1.73	86.4	1.9	20
R319157	0.90	15.15	0.26	5.2	0.017	2.82	47.1	5.4	0.05	54	1.79	1.96	75.3	1.2	30
R319158	0.88	20.0	0.27	6.4	0.022	3.16	61.3	7.9	0.09	67	1.49	2.27	85.6	1.7	30
R319159	1.41	18.75	0.24	6.7	0.037	3.04	76.1	4.8	0.23	110	1.12	0.07	45.9	2.7	40
R319160	1.10	15.70	0.35	5.5	0.019	3.65	110.0	9.0	0.14	66	1.46	0.83	38.4	0.9	40
R319161	9.89	31.8	0.96	3.3	0.041	2.19	770	25.1	1.13	914	19.65	0.05	50.9	8.2	1240
R319162	1.31	18.75	0.27	6.8	0.017	5.24	87.1	7.0	0.15	67	2.26	0.72	47.9	1.2	30
R319163	1.01	11.40	0.26	6.0	0.014	4.37	86.2	1.0	0.06	103	0.92	1.42	47.1	1.2	40
R319164	1.01	19.35	0.24	6.4	0.026	3.38	81.3	9.0	0.29	108	0.52	0.51	45.5	3.0	40
R319165	10.40	17.65	0.17	3.7	0.056	0.66	18.1	14.4	3.32	677	0.60	3.86	9.4	40.2	1010
R319166	10.45	19.65	0.15	3.8	0.059	0.42	23.3	17.7	3.46	745	0.56	3.62	9.0	42.2	960
R319167	9.66	17.70	0.13	4.0	0.057	0.41	16.9	13.0	3.29	642	0.57	3.97	9.4	37.1	1030
R319168	9.69	19.45	0.14	3.9	0.065	0.31	26.2	14.2	3.14	692	0.56	4.00	9.2	40.9	990
R319169	8.68	20.4	0.16	3.7	0.084	0.24	46.5	12.3	2.83	719	0.77	3.01	8.1	34.5	870
R319170	8.93	19.20	0.12	3.9	0.068	0.29	18.1	12.9	2.84	704	0.94	3.33	8.7	35.9	890

***** See Appendix Page for comments regarding this certificate *****

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
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CERTIFICATE OF ANALYSIS SD 15012555

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319136A		2.7	15.9	0.004	0.02	0.07	41.1	2	0.6	165.5	0.31	<0.05	1.6	0.489	0.11	0.4
R319136B		2.4	15.7	0.003	0.01	0.07	40.5	1	0.6	161.5	0.30	<0.05	1.6	0.475	0.10	0.4
R319137		448	31.1	0.010	0.04	0.43	41.2	2	0.5	198.5	0.23	0.10	1.1	0.480	0.17	1.2
R319138		12.0	1.0	0.002	0.11	0.51	28.7	4	0.6	214	0.21	0.05	1.2	0.346	<0.02	4.8
R319139		6.9	3.0	<0.002	0.01	0.69	36.1	2	0.6	244	0.20	<0.05	1.0	0.404	0.02	6.4
R319140		12.7	9.4	0.002	<0.01	0.65	29.8	4	0.7	340	0.24	0.06	1.3	0.378	0.05	4.7
R319141		5.9	12.2	0.004	<0.01	0.73	42.5	1	0.5	244	0.20	<0.05	1.0	0.489	0.11	0.9
R319142		4.9	18.2	0.008	0.01	0.49	45.1	3	0.4	216	0.22	0.06	1.0	0.509	0.16	0.9
R319143		7.5	27.8	<0.002	<0.01	0.13	7.4	1	0.5	174.0	0.22	<0.05	2.3	0.183	0.15	0.6
R319144		14.0	20.0	0.006	0.05	1.51	40.9	5	0.5	497	0.20	<0.05	1.0	0.465	0.15	1.0
R319145		5.2	14.9	0.008	<0.01	0.62	42.9	1	0.4	239	0.20	<0.05	1.0	0.507	0.15	0.9
R319146		10.9	11.3	0.012	0.02	1.56	36.3	2	0.4	419	0.15	<0.05	0.8	0.383	0.07	0.9
R319147		6.6	9.0	0.015	0.04	0.59	40.6	3	0.4	207	0.19	0.06	0.8	0.507	0.12	0.5
R319148		22.9	45.0	0.004	0.03	0.51	41.8	2	0.4	276	0.18	<0.05	0.9	0.454	0.30	1.0
R319149		1280	41.0	0.007	2.34	0.80	27.6	34	0.4	278	0.11	0.31	0.6	0.284	0.19	0.6
R319150		30.6	42.7	0.002	0.01	0.43	44.2	2	0.5	238	0.18	<0.05	1.0	0.471	0.20	0.4
R319151		71.8	87.8	0.175	2.84	1.90	7.2	5	1.8	190.5	0.30	0.60	4.7	0.173	1.47	1.1
R319152		3.8	16.8	0.003	<0.01	0.50	34.7	1	0.6	174.5	0.19	0.08	1.4	0.392	0.08	1.3
R319153		8.5	17.0	<0.002	<0.01	1.08	37.4	1	0.6	347	0.21	<0.05	1.4	0.404	0.08	1.6
R319154		6.0	49.0	<0.002	0.02	0.66	35.0	1	0.9	263	0.36	0.06	3.4	0.391	0.20	2.3
R319155		5.5	16.5	<0.002	<0.01	0.46	36.2	1	0.9	204	0.38	<0.05	3.5	0.438	0.08	1.4
R319156		5.5	129.5	0.002	<0.01	0.12	0.9	1	2.5	66.2	6.23	<0.05	15.8	0.050	0.61	5.1
R319157		2.8	87.5	<0.002	0.01	0.06	0.8	2	2.0	41.8	5.14	<0.05	21.1	0.044	0.37	4.9
R319158		3.0	111.5	<0.002	0.01	0.07	1.0	2	2.5	46.5	5.50	<0.05	28.3	0.046	0.45	6.8
R319159		3.6	180.5	<0.002	<0.01	0.51	2.2	2	4.3	12.7	3.10	<0.05	40.3	0.076	0.59	6.6
R319160		3.7	163.0	<0.002	0.01	0.15	1.8	2	3.8	39.5	2.69	<0.05	33.8	0.063	0.44	5.6
R319161		22.1	178.0	0.093	0.10	1.03	8.5	11	7.8	21.3	1.99	0.11	35.7	0.323	0.66	386
R319162		5.7	208	<0.002	<0.01	0.13	1.9	2	3.2	38.4	3.09	<0.05	42.4	0.076	0.69	7.9
R319163		3.1	140.0	<0.002	<0.01	0.12	1.8	1	2.8	44.7	3.30	<0.05	39.0	0.079	0.44	3.5
R319164		2.4	171.0	<0.002	<0.01	0.35	1.9	2	4.3	21.3	3.30	<0.05	40.0	0.079	0.58	3.2
R319165		2.2	31.0	<0.002	<0.01	0.61	42.1	1	1.1	163.5	0.59	<0.05	2.6	0.924	0.11	0.8
R319166		2.4	18.1	<0.002	<0.01	0.71	40.3	1	1.1	142.0	0.58	<0.05	2.8	0.865	0.06	0.9
R319167		1.7	16.0	<0.002	<0.01	0.57	42.0	1	1.1	182.5	0.62	<0.05	2.8	0.893	0.07	0.6
R319168		1.9	12.5	<0.002	<0.01	0.62	41.0	1	1.2	149.0	0.60	<0.05	2.8	0.899	0.05	0.8
R319169		2.7	8.8	<0.002	<0.01	0.95	37.9	1	1.2	176.0	0.54	<0.05	3.0	0.782	0.03	0.7
R319170		2.4	11.2	<0.002	<0.01	0.86	38.1	1	1.2	158.0	0.57	<0.05	2.3	0.825	0.04	0.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012555

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319136A	248	0.3	23.0	115	61.0	4.06	2.64	1.04	3.36	0.93	0.43	9.7	2.30	2.51	0.59
R319136B	239	0.3	23.0	111	59.8	3.98	2.70	1.02	3.34	0.91	0.42	9.6	2.24	2.54	0.59
R319137	226	2.0	20.7	82	55.7	3.62	2.38	0.76	2.93	0.81	0.37	8.3	1.89	2.28	0.52
R319138	131	1.6	18.4	50	45.8	3.20	2.02	0.83	2.62	0.72	0.29	8.2	2.03	2.08	0.47
R319139	198	1.6	19.1	72	47.6	3.34	2.17	0.88	2.86	0.74	0.33	8.3	2.04	2.21	0.50
R319140	175	1.3	19.3	43	51.7	3.43	2.21	0.93	3.06	0.76	0.31	10.6	2.58	2.58	0.54
R319141	252	1.8	20.9	72	49.4	3.70	2.47	0.89	2.96	0.83	0.38	7.7	1.78	2.18	0.53
R319142	242	2.2	17.2	92	53.9	3.10	2.13	0.67	2.40	0.71	0.34	6.0	1.38	1.79	0.44
R319143	55	0.2	7.4	23	53.9	1.43	0.82	0.53	1.56	0.29	0.13	9.9	2.64	1.86	0.23
R319144	269	2.1	19.1	56	49.8	3.37	2.20	0.91	2.69	0.78	0.35	7.0	1.62	2.02	0.49
R319145	222	2.3	17.8	86	49.1	3.18	2.15	0.70	2.47	0.71	0.33	6.2	1.41	1.70	0.45
R319146	244	1.9	20.5	63	39.8	3.61	2.28	0.97	3.07	0.80	0.33	8.4	1.93	2.34	0.54
R319147	262	3.0	13.7	121	47.8	2.65	1.84	0.54	2.07	0.61	0.30	5.4	1.22	1.52	0.37
R319148	259	1.7	19.2	70	46.1	3.53	2.36	0.82	2.83	0.81	0.37	7.0	1.59	1.98	0.52
R319149	176	1.0	13.1	50	29.8	2.09	1.50	0.54	1.60	0.50	0.28	4.0	0.93	1.15	0.29
R319150	237	1.6	20.5	67	48.2	3.52	2.34	0.81	2.76	0.79	0.36	7.3	1.64	2.10	0.52
R319151	68	4.9	8.1	695	4.5	1.77	0.87	0.89	2.41	0.33	0.11	13.9	3.53	2.86	0.33
R319152	172	0.9	18.3	53	44.7	3.09	2.09	0.71	2.65	0.71	0.32	7.5	1.75	2.00	0.46
R319153	155	2.2	19.2	60	43.3	3.28	2.17	0.76	2.87	0.78	0.33	8.6	2.06	2.12	0.50
R319154	221	1.0	26.8	49	54.6	4.61	2.91	1.03	4.04	1.04	0.41	13.1	3.31	3.18	0.71
R319155	204	1.2	20.8	42	54.9	3.62	2.45	0.75	3.14	0.84	0.37	10.3	2.62	2.41	0.54
R319156	19	0.8	35.1	6	146.5	7.56	4.94	0.29	6.43	1.65	0.79	29.7	8.34	6.65	1.16
R319157	18	0.8	40.1	2	132.0	8.09	5.20	0.33	7.58	1.76	0.78	43.9	11.95	8.59	1.30
R319158	17	0.6	53.9	2	160.0	10.65	6.62	0.41	9.99	2.28	0.96	53.8	14.80	11.20	1.70
R319159	17	2.8	43.8	8	177.5	8.29	5.64	0.48	7.78	1.85	0.91	50.0	14.60	8.55	1.31
R319160	10	2.2	45.1	4	144.5	8.13	5.23	0.55	8.68	1.73	0.81	69.5	20.2	10.55	1.33
R319161	73	17.2	125.0	17	121.0	26.6	15.15	7.92	34.5	5.28	1.91	406	130.5	52.3	4.86
R319162	13	3.5	51.7	5	181.5	9.41	6.17	0.52	9.02	2.03	0.97	58.7	16.90	10.10	1.49
R319163	4	1.6	67.9	5	162.0	9.75	7.00	0.50	8.27	2.25	1.04	48.0	16.70	9.38	1.43
R319164	8	1.8	48.6	8	170.5	8.58	5.20	0.48	8.38	1.76	0.84	51.3	16.85	9.75	1.40
R319165	312	1.6	39.6	54	138.0	6.61	4.15	1.44	5.46	1.41	0.59	16.5	4.33	4.71	0.97
R319166	318	2.2	38.5	64	143.5	6.38	3.96	1.55	5.70	1.38	0.59	20.3	5.41	5.11	0.97
R319167	326	1.6	41.1	56	147.5	6.88	4.35	1.42	6.04	1.50	0.63	16.7	4.28	4.87	1.06
R319168	331	1.6	40.6	62	149.0	6.89	4.29	1.77	6.41	1.49	0.62	22.4	5.96	5.63	1.07
R319169	280	2.2	37.8	53	134.5	6.37	3.81	1.89	6.96	1.33	0.58	36.7	10.60	7.73	1.03
R319170	278	2.3	36.5	57	143.5	6.05	3.88	1.33	5.05	1.31	0.57	15.4	4.12	4.16	0.90

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15012555

Sample Description	Method	ME-MS61r	ME-MS61r	Cu-OC62
	Analyte	Tm	Yb	Cu
	Units	ppm	ppm	%
	LOR	0.01	0.03	0.001
R319136A		0.41	2.69	
R319136B		0.41	2.59	
R319137		0.35	2.39	
R319138		0.29	1.91	
R319139		0.33	2.10	
R319140		0.32	2.01	
R319141		0.37	2.51	
R319142		0.34	2.26	
R319143		0.13	0.81	
R319144		0.35	2.23	
R319145		0.32	2.09	
R319146		0.33	2.17	
R319147		0.29	1.93	
R319148		0.37	2.33	
R319149		0.24	1.62	2.72
R319150		0.35	2.33	
R319151		0.12	0.76	
R319152		0.31	2.07	
R319153		0.33	2.14	
R319154		0.42	2.70	
R319155		0.39	2.41	
R319156		0.79	5.22	
R319157		0.80	5.18	
R319158		1.01	6.35	
R319159		0.90	6.00	
R319160		0.81	5.33	
R319161		2.19	13.60	
R319162		0.97	6.39	
R319163		1.11	7.15	
R319164		0.83	5.54	
R319165		0.61	3.92	
R319166		0.61	3.85	
R319167		0.64	4.16	
R319168		0.63	4.13	
R319169		0.57	3.70	
R319170		0.58	3.72	

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CERTIFICATE OF ANALYSIS SD 15012555

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	Cu-OG62	ME-MS61r	ME-OG62

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE SD15015727

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 4-FEB-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015727

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319171A	1.95	<5	0.02	6.78	9.9	170	1.00	0.15	4.25	<0.02	35.5	39.6	38	0.34	94.3
R319171B	<0.02	<5	0.01	7.05	9.6	170	1.04	0.16	4.41	<0.02	35.9	40.1	40	0.35	104.0
R319172	1.82	<5	0.01	7.23	7.4	190	1.08	0.08	4.43	<0.02	33.0	42.0	40	1.00	46.2
R319173	0.56	<5	0.01	6.78	6.6	290	1.27	0.10	3.90	<0.02	68.8	42.7	34	2.52	224
R319174	1.09	<5	0.01	6.74	8.1	130	1.82	0.17	5.06	<0.02	54.9	48.4	32	0.90	43.1
R319175	1.79	<5	0.06	6.73	10.0	30	1.40	0.28	6.49	0.02	36.7	40.0	35	0.15	244
R319176	0.98	<5	0.15	6.24	8.2	10	0.80	0.29	9.99	0.03	46.7	19.4	37	0.09	438
R319178	0.75	<5	0.33	4.10	7.6	10	0.92	0.33	9.34	<0.02	27.7	41.3	28	0.10	413
R319179	0.30	<5	0.03	3.33	1.7	250	0.49	0.04	1.35	0.06	20.5	5.6	52	0.52	10.7
R319180	0.90	<5	0.05	7.06	13.2	50	2.76	0.29	7.00	<0.02	47.4	45.9	34	0.14	24.0
R319181	2.53	<5	0.02	6.57	7.6	240	2.05	0.07	4.36	<0.02	51.8	44.5	35	2.18	191.5
R319182	1.82	<5	0.02	6.71	8.3	200	1.45	0.10	4.61	<0.02	43.4	42.0	37	2.00	129.0
R319183	2.14	<5	0.04	6.81	8.1	220	1.50	0.09	4.94	<0.02	43.0	40.2	35	3.11	90.9
R319184	1.90	<5	0.03	6.61	7.6	100	1.40	0.09	4.17	<0.02	31.9	41.9	34	0.77	197.0
R319185	1.32	<5	0.03	6.71	6.9	210	1.25	0.07	4.57	0.03	35.9	40.8	37	2.44	55.6
R319186	1.87	<5	0.03	6.80	8.9	160	1.53	0.08	4.77	<0.02	31.0	42.8	35	1.89	44.0
R319187	0.04	326	1.99	7.70	29.2	380	1.04	0.79	1.21	3.77	31.8	11.9	27	9.82	2340
R319188	1.92	<5	0.02	6.95	9.3	180	1.68	0.06	4.84	0.02	30.4	42.5	35	3.06	24.1
R319189	1.92	<5	0.02	7.07	6.4	270	0.90	0.04	5.34	<0.02	46.3	43.9	38	5.19	30.2
R319190	1.90	<5	0.02	7.24	5.2	310	0.88	0.05	5.51	0.02	52.3	44.0	38	3.66	16.4
R319191	1.98	<5	0.02	7.08	4.8	310	0.73	0.05	5.30	<0.02	50.7	43.2	37	3.22	19.3
R319192	1.89	<5	0.02	6.95	6.1	280	0.84	0.07	5.03	<0.02	41.6	44.3	36	4.25	39.6
R319193	1.88	<5	0.02	6.78	8.7	190	0.76	0.09	5.15	<0.02	42.4	41.4	35	4.41	16.4
R319194	1.06	<5	0.02	7.03	6.8	240	0.94	0.06	4.97	<0.02	49.4	42.4	35	6.18	18.2
R319195	0.76	<5	0.01	7.12	7.6	70	1.51	0.21	6.11	<0.02	125.0	38.2	36	0.53	55.0
R319196	0.71	<5	0.01	6.88	7.2	30	1.32	0.13	4.58	<0.02	30.9	37.3	37	0.06	21.1
R319197	<0.02	7	0.53	5.35	15.4	170	6.37	0.45	1.15	0.07	>500	47.5	28	2.39	423
R319198	1.09	<5	0.06	6.12	6.6	20	1.14	0.40	8.41	0.02	55.4	21.8	42	0.15	208
R319199	0.81	<5	0.05	5.52	6.5	10	0.83	0.17	6.67	<0.02	38.3	25.9	40	0.10	29.6
R319200	1.29	<5	0.02	7.29	9.1	10	1.33	0.20	5.36	<0.02	55.1	38.7	40	0.06	7.9
R319201	1.94	<5	0.01	7.30	7.8	50	1.30	0.09	5.09	0.02	44.1	42.4	41	0.30	3.9
R319202	1.80	<5	0.01	7.07	7.0	260	1.16	0.05	3.97	0.02	45.1	36.4	37	1.72	7.8
R319203	0.56	<5	0.02	7.17	9.4	280	0.97	0.15	4.60	<0.02	51.3	44.4	33	0.75	166.5
R319204	0.56	<5	0.01	7.27	8.7	650	0.84	0.13	4.72	<0.02	23.5	32.7	211	0.88	3.4
R319205	0.89	<5	0.01	6.72	6.0	790	0.65	0.07	4.61	0.02	17.50	36.4	193	0.69	4.9
R319206	0.77	<5	0.01	6.65	6.2	850	0.70	0.08	4.23	<0.02	11.65	35.6	172	0.71	8.9

***** See Appendix Page for comments regarding this certificate *****

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015727

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319171A	8.75	19.85	0.10	4.1	0.071	0.49	17.9	11.8	3.27	645	0.77	3.79	9.1	38.6	1020
R319171B	9.08	20.4	0.10	4.1	0.070	0.50	18.1	12.0	3.40	666	0.78	3.95	9.3	39.2	1070
R319172	10.20	18.60	0.11	4.2	0.061	0.59	16.8	17.7	3.43	693	0.90	3.88	9.5	40.0	1070
R319173	9.79	18.55	0.13	4.4	0.058	0.93	35.0	25.6	3.12	724	0.96	2.94	9.7	40.7	1070
R319174	9.89	19.65	0.14	3.7	0.129	0.50	28.2	20.2	3.79	836	0.79	2.63	8.5	39.8	940
R319175	8.73	19.25	0.11	3.9	0.222	0.12	19.5	15.3	3.09	828	0.98	2.09	9.3	41.4	1010
R319176	8.54	24.7	0.09	3.4	0.580	0.02	24.5	14.2	1.49	711	1.10	0.04	7.6	27.5	840
R319178	8.75	13.20	0.08	2.4	0.128	0.04	13.9	27.9	2.88	961	1.09	0.27	5.3	56.7	580
R319179	2.07	6.86	0.09	1.5	0.017	0.82	11.2	5.1	0.58	301	0.22	1.28	2.5	15.4	180
R319180	13.00	20.7	0.12	4.2	0.142	0.36	26.3	49.3	3.81	963	0.84	0.93	9.7	54.3	1080
R319181	10.20	16.40	0.11	3.8	0.077	0.77	27.1	20.9	3.22	767	1.25	2.75	8.4	42.5	910
R319182	10.15	18.10	0.10	3.8	0.080	0.64	22.6	17.8	3.10	750	1.29	2.80	8.4	44.2	960
R319183	10.15	19.55	0.10	4.0	0.092	0.69	21.9	14.3	3.06	715	1.12	2.80	8.7	44.9	960
R319184	10.30	19.65	0.09	3.9	0.089	0.42	15.5	19.4	3.03	759	0.68	3.37	8.8	51.6	1020
R319185	10.55	18.65	0.12	3.9	0.087	0.59	17.7	12.3	2.92	728	1.24	3.33	8.9	47.7	980
R319186	10.15	19.65	0.11	3.8	0.083	0.51	15.3	12.3	2.99	810	0.78	3.32	8.5	47.8	950
R319187	5.10	16.95	0.13	0.2	0.164	2.47	16.7	33.8	0.76	1160	19.70	0.70	4.4	19.1	760
R319188	10.30	19.90	0.09	4.2	0.086	0.52	15.3	11.8	2.92	794	0.67	3.22	9.3	49.2	990
R319189	10.70	20.5	0.11	4.2	0.097	0.61	24.0	10.4	2.94	887	0.88	2.58	9.4	44.3	1020
R319190	10.50	21.7	0.11	4.4	0.090	0.58	27.3	12.2	2.92	995	0.87	2.47	9.8	46.0	1020
R319191	10.20	20.9	0.09	4.1	0.085	0.53	26.7	13.6	2.87	933	0.79	2.33	9.5	46.4	1000
R319192	10.30	21.0	0.09	4.2	0.082	0.72	22.0	12.6	3.02	788	0.89	2.61	9.6	48.2	970
R319193	9.27	20.5	0.10	4.2	0.085	0.63	21.7	13.8	3.14	627	0.84	2.76	9.3	43.6	960
R319194	10.10	19.75	0.11	4.2	0.071	0.86	25.8	14.7	3.23	636	0.75	2.82	9.4	43.5	1010
R319195	12.05	23.9	0.17	3.9	0.174	0.25	66.1	14.1	2.28	711	0.84	3.21	9.1	45.3	980
R319196	13.20	17.30	0.07	4.1	0.103	0.12	15.9	11.0	1.89	570	0.89	3.81	9.6	52.1	990
R319197	10.35	27.7	0.90	3.5	0.035	2.31	770	24.7	1.15	927	19.05	0.05	52.3	8.4	1250
R319198	7.47	24.1	0.10	4.1	0.429	0.04	29.7	9.8	1.56	677	1.24	0.83	9.3	34.8	880
R319199	8.14	17.85	0.08	3.9	0.277	0.03	20.8	11.0	1.76	640	0.95	1.38	8.7	39.0	940
R319200	10.60	21.7	0.08	4.8	0.162	0.06	29.6	12.2	2.62	638	0.78	3.76	10.6	45.8	1090
R319201	8.54	20.3	0.09	4.7	0.070	0.26	22.6	15.3	3.45	657	0.72	4.18	10.4	42.2	1090
R319202	9.16	19.85	0.09	4.4	0.044	0.92	22.8	20.0	3.32	506	0.78	3.62	10.1	42.0	1050
R319203	9.67	22.8	0.10	5.3	0.054	1.06	26.8	16.0	3.47	714	0.70	3.52	11.4	45.1	1140
R319204	9.22	12.35	0.11	1.9	0.054	2.25	11.4	13.0	3.47	594	0.34	2.50	6.3	121.0	500
R319205	6.69	11.05	0.10	2.3	0.067	2.62	8.3	14.6	3.80	568	0.50	2.14	8.2	148.0	500
R319206	6.48	10.20	0.10	2.4	0.051	2.92	5.6	15.1	3.77	573	0.41	2.18	8.2	143.5	510

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015727

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319171A		2.2	19.8	<0.002	0.01	0.75	40.4	1	1.3	185.0	0.60	<0.05	2.6	0.847	0.06	0.7
R319171B		2.2	19.8	<0.002	<0.01	0.77	41.2	1	1.3	195.0	0.62	<0.05	2.7	0.888	0.07	0.8
R319172		3.2	27.7	<0.002	<0.01	0.75	42.5	1	1.4	204	0.65	<0.05	2.7	0.927	0.10	0.8
R319173		4.3	50.8	<0.002	0.02	0.53	39.3	1	1.4	202	0.65	<0.05	3.1	0.879	0.19	1.0
R319174		3.0	25.5	<0.002	<0.01	0.72	40.0	1	1.6	197.5	0.57	<0.05	2.7	0.841	0.08	1.4
R319175		2.8	5.2	<0.002	<0.01	0.90	40.5	1	2.1	230	0.61	<0.05	2.8	0.859	0.02	2.1
R319176		4.5	1.1	<0.002	0.01	0.91	35.8	1	4.2	444	0.51	<0.05	2.4	0.733	<0.02	6.5
R319178		3.0	1.1	<0.002	0.01	1.20	26.6	1	2.8	263	0.35	<0.05	1.6	0.509	<0.02	2.8
R319179		6.6	26.4	<0.002	<0.01	0.11	6.8	<1	0.4	175.0	0.20	<0.05	2.3	0.184	0.12	0.5
R319180		6.5	2.9	<0.002	<0.01	1.73	40.3	1	3.2	574	0.65	<0.05	2.9	0.917	<0.02	3.0
R319181		2.8	41.2	0.002	0.01	0.71	39.3	1	1.9	214	0.55	<0.05	2.7	0.844	0.15	1.3
R319182		4.0	31.3	<0.002	0.01	0.85	39.0	1	2.0	224	0.57	<0.05	2.6	0.822	0.11	1.2
R319183		5.3	36.7	<0.002	<0.01	0.73	40.4	2	2.7	239	0.58	<0.05	2.6	0.805	0.12	1.6
R319184		122.5	15.7	<0.002	0.01	0.76	39.0	1	3.3	142.0	0.55	<0.05	2.9	0.773	0.06	1.8
R319185		12.8	27.2	0.002	<0.01	0.55	40.4	1	2.7	214	0.59	<0.05	2.9	0.835	0.10	2.0
R319186		10.5	22.1	0.002	<0.01	0.65	40.4	1	1.9	199.5	0.57	<0.05	2.6	0.799	0.09	1.3
R319187		74.1	94.5	0.200	2.89	1.85	7.5	5	1.9	199.0	0.32	0.70	4.7	0.184	1.49	1.1
R319188		7.7	24.0	0.002	<0.01	0.65	39.8	1	1.9	236	0.60	<0.05	2.7	0.833	0.10	1.4
R319189		11.9	26.0	<0.002	<0.01	0.43	39.6	1	1.7	256	0.60	<0.05	2.8	0.860	0.12	1.2
R319190		7.1	23.4	<0.002	<0.01	0.37	40.4	1	1.4	256	0.62	<0.05	2.9	0.895	0.09	1.0
R319191		5.1	22.0	<0.002	<0.01	0.45	39.6	1	1.5	243	0.59	<0.05	2.9	0.865	0.08	1.1
R319192		3.8	36.9	<0.002	<0.01	0.64	39.9	1	1.6	256	0.62	<0.05	2.7	0.864	0.14	1.3
R319193		4.1	37.2	<0.002	<0.01	1.13	38.0	1	1.3	261	0.60	<0.05	2.9	0.860	0.14	1.1
R319194		2.8	55.2	<0.002	<0.01	0.64	37.5	1	1.3	270	0.62	<0.05	2.9	0.913	0.20	1.0
R319195		3.3	13.8	<0.002	<0.01	0.76	38.7	1	1.4	207	0.61	<0.05	3.3	0.871	0.06	2.4
R319196		2.1	4.3	<0.002	<0.01	0.60	36.4	1	1.5	112.5	0.60	<0.05	2.9	0.884	0.02	1.8
R319197		21.9	184.5	0.097	0.10	1.01	8.1	9	7.9	21.1	2.15	0.12	36.0	0.329	0.66	378
R319198		5.1	2.7	<0.002	<0.01	0.70	31.1	1	2.5	233	0.62	<0.05	3.7	0.732	0.02	9.2
R319199		2.6	1.5	<0.002	<0.01	0.64	27.5	1	2.1	156.0	0.57	<0.05	3.2	0.730	<0.02	5.1
R319200		2.3	2.0	<0.002	<0.01	0.84	38.4	1	1.5	141.5	0.69	<0.05	3.8	0.938	<0.02	1.9
R319201		1.6	15.1	<0.002	<0.01	0.51	38.4	1	1.4	108.0	0.69	<0.05	3.6	0.932	0.05	1.1
R319202		2.8	53.3	<0.002	<0.01	0.49	36.5	1	1.4	125.5	0.65	<0.05	3.5	0.901	0.18	0.9
R319203		4.1	57.4	<0.002	<0.01	0.82	38.4	1	1.4	146.5	0.76	<0.05	4.4	0.927	0.22	0.9
R319204		3.6	133.5	<0.002	<0.01	0.84	28.6	<1	0.8	179.0	0.33	<0.05	1.8	0.462	0.39	0.7
R319205		2.5	103.0	<0.002	<0.01	0.63	24.5	1	0.8	128.5	0.46	<0.05	2.3	0.423	0.28	0.9
R319206		2.2	110.5	<0.002	<0.01	0.59	22.1	1	0.8	119.0	0.49	<0.05	2.8	0.441	0.33	0.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015727

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319171A	312	2.0	39.6	49	154.0	6.45	4.19	1.38	5.40	1.44	0.61	16.1	4.16	4.45	0.98
R319171B	323	2.1	40.9	51	153.5	6.79	4.34	1.45	5.69	1.50	0.62	16.5	4.29	4.65	1.03
R319172	336	1.8	42.2	61	160.0	6.87	4.43	1.36	5.60	1.53	0.67	15.3	3.98	4.53	1.01
R319173	324	2.0	41.6	60	160.0	7.13	4.44	1.78	6.83	1.54	0.67	29.6	8.04	6.84	1.10
R319174	331	1.8	42.8	65	139.5	7.23	4.45	2.01	6.82	1.55	0.63	24.3	6.48	6.31	1.13
R319175	263	2.1	37.6	61	143.5	6.16	4.10	1.69	5.12	1.40	0.64	16.3	4.27	4.37	0.91
R319176	226	1.8	41.2	41	127.0	6.99	4.47	3.21	5.88	1.55	0.65	20.5	5.48	5.38	1.04
R319178	145	1.0	22.3	78	88.3	3.49	2.36	1.28	3.17	0.79	0.39	12.2	3.18	2.98	0.52
R319179	57	0.2	7.1	24	54.4	1.33	0.78	0.48	1.45	0.27	0.12	8.8	2.56	1.91	0.22
R319180	323	1.5	39.2	79	152.0	6.66	4.14	1.90	6.32	1.42	0.61	20.7	5.47	5.54	1.05
R319181	317	3.0	36.3	60	143.5	5.95	3.96	1.43	5.46	1.32	0.61	22.0	5.93	5.31	0.89
R319182	308	2.7	35.1	58	145.0	5.69	3.90	1.30	4.83	1.29	0.61	18.8	5.04	4.55	0.83
R319183	318	2.6	40.7	47	149.0	6.66	4.34	1.48	5.56	1.47	0.67	18.8	4.98	5.05	0.97
R319184	305	2.5	41.2	55	158.0	6.38	4.67	1.23	4.72	1.49	0.70	14.3	3.76	3.88	0.87
R319185	318	2.9	43.4	49	150.5	7.16	4.83	1.50	5.82	1.61	0.72	16.7	4.32	4.82	1.04
R319186	308	3.1	40.3	50	145.0	6.54	4.44	1.41	5.02	1.49	0.66	14.0	3.65	3.94	0.93
R319187	71	5.0	8.8	755	4.4	1.73	0.88	0.87	2.28	0.32	0.12	15.3	3.79	3.13	0.32
R319188	314	3.6	41.7	46	153.0	7.03	4.68	1.44	5.51	1.53	0.69	16.3	3.64	4.31	0.98
R319189	327	1.6	41.0	46	155.5	7.12	4.71	1.70	6.13	1.48	0.66	23.6	5.52	5.33	1.03
R319190	333	1.3	42.0	45	160.0	7.13	4.64	1.81	6.45	1.50	0.67	26.2	6.11	5.95	1.08
R319191	326	1.3	40.4	45	150.0	7.17	4.51	1.79	6.48	1.50	0.66	25.7	5.97	5.66	1.06
R319192	327	1.6	43.0	42	154.0	7.27	4.67	1.65	6.25	1.52	0.68	21.6	4.96	5.26	1.07
R319193	313	1.7	39.5	43	150.5	6.93	4.52	1.67	6.27	1.47	0.65	22.2	5.05	5.28	1.04
R319194	328	1.9	40.9	45	156.5	7.08	4.58	1.68	6.38	1.49	0.68	24.9	5.76	5.76	1.04
R319195	345	1.6	42.8	43	146.0	8.43	4.58	2.45	10.80	1.57	0.62	61.2	15.25	12.25	1.45
R319196	307	1.9	36.3	39	150.0	5.89	4.04	0.89	4.74	1.28	0.60	15.8	3.65	3.86	0.82
R319197	74	18.5	134.0	22	122.5	26.5	14.60	7.83	32.7	5.03	1.86	428	136.5	50.0	4.57
R319198	160	2.9	42.4	35	146.5	7.68	4.83	3.03	7.08	1.60	0.68	27.2	6.38	6.13	1.15
R319199	163	1.7	34.2	44	140.5	6.06	3.85	2.30	5.47	1.28	0.54	19.4	4.57	4.53	0.91
R319200	313	1.5	41.9	45	174.5	7.34	4.81	2.02	6.64	1.56	0.68	27.3	6.42	5.92	1.11
R319201	326	1.2	41.5	50	168.5	7.19	4.67	1.39	5.94	1.54	0.70	21.9	5.20	4.97	1.03
R319202	333	1.1	40.4	43	161.0	7.07	4.53	1.64	6.33	1.49	0.66	23.1	5.40	5.60	1.06
R319203	346	2.1	43.7	58	187.5	7.50	4.87	1.67	6.51	1.60	0.72	25.4	6.02	5.77	1.08
R319204	185	1.0	19.6	31	69.2	3.30	2.04	0.78	2.93	0.68	0.29	11.9	2.82	2.69	0.49
R319205	160	1.1	18.6	34	83.0	2.98	2.08	0.57	2.34	0.65	0.30	9.2	2.13	2.08	0.41
R319206	158	1.3	18.4	33	87.7	2.94	2.13	0.47	2.06	0.67	0.35	6.4	1.51	1.59	0.38

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015727

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319171A		0.62	4.08
R319171B		0.65	4.16
R319172		0.68	4.33
R319173		0.67	4.30
R319174		0.65	4.16
R319175		0.62	4.00
R319176		0.65	4.21
R319178		0.37	2.47
R319179		0.12	0.79
R319180		0.62	4.06
R319181		0.62	3.96
R319182		0.60	3.96
R319183		0.67	4.41
R319184		0.72	4.66
R319185		0.73	4.74
R319186		0.67	4.29
R319187		0.13	0.76
R319188		0.70	4.66
R319189		0.66	4.55
R319190		0.68	4.55
R319191		0.66	4.43
R319192		0.66	4.55
R319193		0.65	4.35
R319194		0.68	4.62
R319195		0.65	4.20
R319196		0.59	3.99
R319197		2.11	13.50
R319198		0.68	4.42
R319199		0.54	3.70
R319200		0.71	4.61
R319201		0.67	4.52
R319202		0.67	4.44
R319203		0.73	4.82
R319204		0.30	1.98
R319205		0.31	2.08
R319206		0.33	2.11

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
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CERTIFICATE OF ANALYSIS SD 15015727

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	LOG-21d	LOG-22	LOG-23
PUL-31	PUL-QC	SPL-21	SPL-34
WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
Au-AA23	ME-MS61r	

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE SD15015728

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 4-FEB-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS SD 15015728

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319207A	0.56	<5	0.02	6.14	6.8	930	3.82	0.05	0.49	0.02	151.5	1.0	32	0.79	12.4
R319207B	<0.02	<5	0.04	6.27	6.8	950	3.82	0.06	0.50	<0.02	150.0	0.9	27	0.79	16.0
R319208	0.85	<5	0.01	6.37	3.0	1420	4.18	0.25	0.75	<0.02	180.0	2.0	18	2.94	4.5
R319209	0.52	<5	0.01	5.88	2.4	1790	3.62	0.06	0.74	0.05	177.5	2.4	22	2.54	8.7
R319210	1.37	<5	0.04	6.04	6.4	390	3.16	0.41	3.51	0.02	66.6	12.5	21	6.06	18.8
R319211	1.31	<5	0.04	5.21	6.1	170	3.09	0.28	4.87	0.09	74.2	15.8	28	8.79	22.9
R319212	0.70	<5	0.09	5.97	11.3	80	2.79	0.58	6.05	0.18	367	17.8	43	6.22	492
R319213	0.50	<5	0.02	5.96	3.4	830	1.80	0.19	2.29	0.02	139.5	7.3	12	1.77	10.0
R319214	0.29	<5	0.03	3.38	1.7	250	0.39	0.04	1.41	0.08	20.6	5.6	51	0.59	11.0
R319215	1.24	<5	0.04	5.93	2.7	1250	1.99	0.25	1.93	0.09	143.0	5.7	18	1.95	23.8
R319216	0.52	<5	0.04	6.63	3.6	2020	2.82	0.26	1.33	0.26	223	5.1	18	2.26	56.6
R319217	0.49	<5	0.03	5.96	2.0	1920	2.36	0.14	0.99	0.07	203	2.9	22	1.83	51.8
R319218	0.55	<5	0.03	5.73	1.6	2050	2.34	0.11	0.97	0.22	150.5	3.0	29	1.88	47.8
R319219	0.74	<5	0.03	5.65	2.1	1950	2.49	0.13	0.99	0.23	143.0	3.0	20	1.97	49.1
R319220	0.54	<5	0.02	7.64	4.6	90	3.00	0.24	4.89	0.03	316	28.0	62	1.31	3.0
R319221	1.08	<5	0.04	6.32	14.3	350	4.76	0.16	1.88	0.02	153.0	1.6	11	2.46	19.7
R319222	0.04	307	2.11	7.41	30.9	360	0.89	0.74	1.14	3.58	27.9	11.8	25	9.17	2160
R319223	0.44	<5	0.05	6.29	114.0	240	4.01	0.08	1.35	<0.02	120.0	0.9	10	1.19	143.0
R319224	2.99	<5	0.04	6.34	61.1	210	4.41	0.15	1.51	<0.02	135.5	1.1	14	1.79	48.3
R319225	1.22	6	0.08	7.71	3.5	390	1.83	0.13	4.25	<0.02	63.6	46.6	168	5.19	561
R319226	0.60	6	0.10	7.37	4.0	380	1.94	0.20	3.51	0.02	71.8	36.1	116	6.81	366
R319227	0.52	<5	0.06	7.11	3.2	120	2.77	0.18	4.05	0.03	85.3	23.4	96	5.66	54.2
R319228	1.64	<5	0.03	6.32	2.5	270	2.98	0.07	3.12	0.04	98.9	2.7	11	5.48	14.5
R319229	0.49	<5	0.01	6.31	4.4	1300	3.48	0.04	0.97	<0.02	168.5	2.0	15	3.85	6.8
R319230	1.65	<5	0.08	5.71	86.8	90	2.95	0.08	2.27	0.08	197.0	2.3	6	6.42	156.5
R319231	0.49	<5	0.06	5.68	33.2	90	2.36	0.07	2.95	0.07	121.0	1.8	6	4.37	58.8
R319232	0.02	<5	0.52	5.42	15.7	170	6.90	0.45	1.14	0.02	>500	46.9	27	2.40	408
R319233	2.07	<5	0.05	5.56	23.1	160	2.75	0.07	2.40	0.11	130.0	1.9	5	3.89	38.7
R319234	0.67	<5	0.07	6.01	10.6	370	4.09	0.05	2.31	0.03	109.0	1.6	6	2.22	17.5
R319235	1.01	<5	0.05	5.61	57.8	190	3.12	0.09	2.88	0.08	215	2.0	5	5.17	84.6
R319236	1.72	<5	0.03	4.18	11.7	60	2.22	0.12	4.64	<0.02	369	24.7	11	1.61	16.5
R319237	0.55	<5	0.02	3.12	14.4	10	3.88	0.13	9.39	<0.02	27.0	58.0	9	0.30	22.2
R319238	1.82	<5	0.62	4.34	26.9	110	2.63	0.36	5.03	0.04	290	39.2	18	5.16	440
R319239	0.83	<5	0.61	5.43	21.3	100	3.62	0.33	5.42	0.16	489	5.4	11	12.40	1140
R319240	0.75	<5	0.04	5.60	9.8	200	3.50	0.11	3.19	0.08	113.5	3.0	6	6.99	13.7
R319241	0.82	<5	0.02	5.75	15.5	200	3.63	0.10	2.96	0.09	130.5	3.3	5	6.20	20.5

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015728

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319207A	0.61	17.30	0.31	7.2	0.031	4.42	74.9	9.3	0.12	78	2.16	2.15	135.5	3.6	30
R319207B	0.63	16.85	0.26	7.2	0.027	4.49	74.1	9.9	0.12	80	2.38	2.18	132.0	7.0	30
R319208	1.52	21.0	0.30	10.9	0.117	4.34	93.8	10.2	0.31	122	1.25	1.41	71.0	2.2	50
R319209	1.22	17.90	0.26	11.4	0.064	4.25	92.3	8.0	0.27	125	1.32	1.19	61.2	3.2	40
R319210	3.03	21.6	0.16	10.4	0.092	2.08	36.0	30.7	1.00	538	0.95	0.92	46.7	21.9	120
R319211	4.53	17.95	0.13	6.6	0.086	1.52	40.2	69.1	2.31	562	1.06	0.07	36.3	42.7	840
R319212	3.68	31.2	0.35	7.1	0.336	1.03	188.5	43.4	1.79	609	1.37	0.50	42.7	48.9	1350
R319213	1.98	18.65	0.25	11.1	0.096	2.09	59.3	9.6	0.63	313	0.81	1.81	51.1	14.2	90
R319214	2.08	6.98	0.12	1.6	0.020	0.78	11.0	7.1	0.61	301	0.24	1.23	3.0	16.0	180
R319215	2.08	18.05	0.22	11.3	0.100	3.27	65.5	9.9	0.49	261	1.03	1.23	55.0	10.5	90
R319216	1.85	22.0	0.40	12.3	0.120	4.48	129.5	8.2	0.46	207	1.09	1.27	60.5	9.2	120
R319217	1.44	15.75	0.31	11.0	0.091	4.60	101.0	10.8	0.35	145	1.37	1.03	54.2	4.7	70
R319218	1.51	15.00	0.28	10.5	0.093	5.13	78.9	11.8	0.32	153	1.59	0.65	50.5	5.3	120
R319219	1.53	15.05	0.26	10.2	0.093	4.93	73.5	11.7	0.32	155	1.16	0.63	49.9	5.8	140
R319220	7.68	46.4	0.31	6.7	0.274	0.66	178.0	21.7	2.36	1090	0.64	1.09	31.4	61.2	250
R319221	1.35	21.4	0.29	6.7	0.114	2.34	83.2	5.0	0.18	191	1.33	1.61	105.5	2.7	30
R319222	4.84	16.65	0.12	0.2	0.165	2.33	13.6	31.0	0.73	1080	18.35	0.67	4.5	18.0	730
R319223	0.98	18.65	0.24	6.8	0.067	1.64	56.6	1.2	0.10	137	0.93	2.66	111.0	2.1	20
R319224	0.95	20.6	0.26	6.5	0.071	1.58	73.4	1.9	0.12	140	1.18	2.77	102.5	2.5	40
R319225	9.12	19.55	0.15	4.6	0.080	1.21	30.2	33.5	3.80	960	1.50	1.98	19.0	138.5	1780
R319226	7.93	18.60	0.15	4.4	0.083	1.17	33.5	41.8	3.39	826	2.11	2.19	22.2	113.5	1690
R319227	4.91	20.8	0.17	4.8	0.081	1.11	42.4	32.5	2.36	865	1.16	1.75	34.0	78.8	1360
R319228	1.14	16.55	0.23	4.7	0.037	3.13	47.0	8.2	0.24	179	0.79	0.09	45.1	4.7	170
R319229	1.96	18.95	0.31	11.2	0.065	4.27	91.1	2.6	0.10	117	1.14	1.81	50.4	2.2	40
R319230	2.44	19.65	0.27	10.1	0.043	2.43	102.5	19.4	0.20	103	0.98	0.09	49.9	11.1	40
R319231	2.91	19.55	0.21	10.6	0.050	2.48	56.1	11.1	0.12	126	0.87	0.09	48.6	7.9	30
R319232	10.40	27.7	0.92	3.7	0.044	2.19	780	25.5	1.15	914	19.60	0.05	52.5	8.1	1230
R319233	1.97	20.6	0.23	7.8	0.069	2.59	58.1	10.5	0.14	139	0.82	0.08	80.4	5.7	30
R319234	1.46	20.1	0.22	6.3	0.071	2.91	49.9	4.6	0.16	171	0.99	0.07	96.4	3.7	30
R319235	1.99	20.7	0.26	10.6	0.099	2.61	90.4	8.5	0.20	134	0.50	0.10	49.9	4.6	40
R319236	5.13	20.7	0.33	8.4	0.157	0.78	198.0	18.9	2.03	851	0.72	0.19	35.0	33.6	1730
R319237	9.84	16.85	0.07	2.3	0.230	0.05	14.3	23.5	2.89	1040	0.56	0.04	22.5	77.4	2550
R319238	14.45	24.6	0.30	3.6	0.109	0.48	154.0	29.1	2.78	874	0.79	0.03	66.8	79.8	5090
R319239	3.12	27.7	0.39	6.3	0.132	2.43	286	12.2	0.35	345	1.01	0.07	32.8	26.3	1300
R319240	2.74	21.9	0.18	10.6	0.136	2.72	51.8	8.2	0.27	181	0.55	0.11	50.6	5.7	90
R319241	2.46	20.4	0.21	11.1	0.114	2.72	61.3	8.6	0.26	171	0.50	0.11	49.6	4.7	50

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Finalized Date: 12-FEB-2015
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CERTIFICATE OF ANALYSIS SD 15015728

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319207A		2.6	127.5	<0.002	<0.01	0.11	1.0	3	4.2	58.3	9.29	<0.05	28.9	0.055	0.42	7.0
R319207B		7.6	121.0	<0.002	<0.01	0.13	0.9	3	4.1	57.1	9.17	<0.05	28.8	0.056	0.43	7.0
R319208		6.8	156.5	0.002	<0.01	0.23	1.4	2	10.7	109.0	4.37	<0.05	31.9	0.103	0.43	6.9
R319209		5.7	140.5	<0.002	<0.01	0.16	1.4	2	4.1	88.1	3.93	<0.05	30.8	0.100	0.49	11.8
R319210		3.6	93.6	<0.002	0.01	0.71	3.3	2	5.4	75.4	3.07	<0.05	24.3	0.167	0.31	7.3
R319211		3.3	51.0	<0.002	<0.01	0.82	8.7	1	4.2	82.9	2.18	<0.05	13.3	0.546	0.12	4.5
R319212		6.5	34.8	<0.002	0.05	0.95	16.2	4	11.5	193.0	2.61	<0.05	14.1	0.911	0.08	11.2
R319213		4.0	81.8	<0.002	<0.01	0.45	1.4	2	4.9	112.0	3.15	<0.05	29.5	0.104	0.28	7.7
R319214		6.9	27.2	<0.002	<0.01	0.12	6.5	<1	0.5	169.5	0.23	<0.05	2.6	0.199	0.14	0.6
R319215		4.3	120.5	<0.002	<0.01	0.40	1.6	2	4.3	92.2	3.23	<0.05	31.7	0.111	0.40	9.1
R319216		5.9	160.5	<0.002	<0.01	0.29	1.7	3	4.8	100.5	3.50	<0.05	33.1	0.118	0.51	15.0
R319217		4.5	141.0	<0.002	<0.01	0.22	1.3	3	3.3	78.2	3.11	<0.05	31.4	0.105	0.46	9.2
R319218		5.6	139.5	<0.002	<0.01	0.17	2.2	2	3.4	79.8	3.00	<0.05	28.8	0.150	0.47	9.5
R319219		5.5	140.0	<0.002	<0.01	0.18	2.7	2	3.7	76.7	2.88	<0.05	28.5	0.176	0.48	9.5
R319220		6.9	24.0	<0.002	<0.01	0.49	28.8	4	7.6	134.5	1.45	<0.05	9.2	0.310	0.14	10.7
R319221		4.0	129.0	<0.002	<0.01	0.32	0.9	2	3.7	45.2	7.54	<0.05	27.3	0.056	0.41	6.6
R319222		70.5	93.9	0.180	2.92	1.90	7.2	4	1.9	187.5	0.33	0.63	4.5	0.184	1.36	0.9
R319223		2.2	80.9	<0.002	<0.01	0.42	0.9	3	2.2	42.4	7.88	<0.05	29.6	0.054	0.30	5.4
R319224		2.4	77.7	<0.002	<0.01	0.38	1.1	2	2.9	54.1	7.37	<0.05	29.1	0.062	0.26	6.1
R319225		3.5	50.1	<0.002	0.03	0.33	28.6	2	1.3	272	1.18	0.05	3.5	1.020	0.25	0.9
R319226		7.6	44.4	<0.002	0.01	0.38	23.5	1	1.9	205	1.39	0.08	4.2	1.045	0.24	1.3
R319227		5.3	66.6	<0.002	<0.01	0.40	19.7	1	7.1	124.0	2.21	<0.05	12.6	0.858	0.21	4.2
R319228		2.9	123.5	<0.002	<0.01	0.21	2.2	1	4.2	18.0	3.65	<0.05	23.0	0.135	0.53	4.5
R319229		4.1	137.5	<0.002	<0.01	0.17	1.5	3	4.2	52.7	2.91	<0.05	31.1	0.104	0.42	3.9
R319230		4.0	117.5	<0.002	0.01	1.62	1.3	1	3.8	15.1	2.80	<0.05	25.6	0.092	0.45	5.3
R319231		3.7	108.5	<0.002	<0.01	1.51	1.3	1	3.7	16.3	2.81	<0.05	23.6	0.091	0.45	4.7
R319232		23.0	196.0	0.100	0.10	1.03	8.7	10	7.9	20.7	2.15	0.11	37.4	0.328	0.68	386
R319233		4.3	127.0	<0.002	<0.01	1.25	1.0	1	3.7	15.0	5.96	<0.05	21.8	0.064	0.53	4.6
R319234		3.6	139.5	<0.002	<0.01	0.55	0.7	1	3.2	15.3	6.96	<0.05	20.9	0.055	0.59	3.8
R319235		2.9	124.0	<0.002	<0.01	0.64	1.4	2	4.3	17.9	2.95	<0.05	24.6	0.093	0.54	4.6
R319236		3.9	44.9	<0.002	<0.01	0.38	6.7	3	5.9	39.3	2.05	0.07	26.5	0.084	0.16	9.0
R319237		2.0	3.1	<0.002	<0.01	0.59	16.5	1	7.8	44.2	0.83	<0.05	3.8	0.081	<0.02	2.9
R319238		5.5	30.6	<0.002	<0.01	0.94	20.1	3	9.6	37.8	1.53	0.21	15.7	0.519	0.14	5.7
R319239		4.7	143.5	<0.002	<0.01	0.56	2.9	2	5.7	27.0	3.24	0.17	28.3	0.054	0.56	7.6
R319240		3.8	138.5	<0.002	<0.01	0.77	2.8	2	5.1	19.9	2.87	<0.05	25.9	0.142	0.61	6.4
R319241		3.4	140.5	<0.002	<0.01	0.72	1.6	1	4.4	17.4	3.04	<0.05	27.3	0.105	0.62	6.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015728

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319207A	5	0.9	90.6	3	170.0	15.50	9.70	0.50	13.90	3.20	1.19	66.0	18.70	14.50	2.36
R319207B	5	0.9	87.0	7	165.5	15.45	9.43	0.47	13.55	3.14	1.18	65.3	18.55	14.35	2.35
R319208	21	1.3	85.4	21	346	15.05	9.95	1.34	13.75	3.16	1.43	72.8	20.3	14.25	2.31
R319209	36	1.4	81.4	14	352	13.95	9.25	1.33	12.80	2.95	1.40	72.3	20.3	13.90	2.09
R319210	41	0.9	59.6	31	361	8.85	7.32	0.78	6.48	2.10	1.32	29.7	7.66	5.70	1.18
R319211	93	2.7	44.1	42	240	6.66	5.13	1.08	5.89	1.54	0.75	33.3	8.56	6.16	0.98
R319212	173	1.6	103.5	52	261	19.90	11.35	5.12	22.7	4.00	1.20	159.5	42.4	27.6	3.42
R319213	51	0.7	69.8	14	364	11.35	7.79	1.48	10.15	2.47	1.17	47.8	13.40	9.82	1.75
R319214	59	0.2	7.0	23	55.0	1.28	0.82	0.49	1.53	0.27	0.12	10.0	2.58	1.77	0.23
R319215	50	1.0	76.2	15	381	12.70	8.50	1.41	10.95	2.74	1.25	52.0	14.45	10.60	1.95
R319216	59	1.3	98.0	16	407	16.70	10.80	2.28	16.15	3.54	1.50	99.8	26.6	17.35	2.62
R319217	31	1.1	78.6	12	373	13.20	8.46	1.75	13.10	2.82	1.25	77.0	21.5	13.70	2.10
R319218	32	1.5	73.4	22	354	12.35	8.43	1.59	11.50	2.63	1.22	59.9	16.90	11.50	1.93
R319219	34	1.6	71.3	22	345	12.30	8.40	1.53	11.20	2.65	1.19	57.4	16.30	11.10	1.87
R319220	131	1.3	106.0	72	227	20.6	11.00	4.50	21.3	3.98	1.31	111.0	31.2	21.4	3.53
R319221	9	1.0	57.9	4	162.0	11.45	6.85	0.81	11.15	2.32	0.89	64.2	18.55	12.70	1.89
R319222	68	10.7	8.1	699	5.1	1.65	0.87	0.84	2.21	0.30	0.11	13.7	3.22	2.81	0.29
R319223	5	1.0	67.7	<2	166.5	12.45	7.41	0.60	11.15	2.55	0.96	45.3	12.70	11.20	2.00
R319224	11	0.9	59.0	<2	169.5	11.15	6.78	0.57	10.40	2.26	0.90	55.6	16.00	11.25	1.80
R319225	279	0.9	27.4	56	190.5	5.32	2.88	1.88	6.17	1.03	0.36	32.2	7.65	6.65	0.95
R319226	241	2.7	26.7	59	181.5	4.94	2.80	1.84	5.76	0.99	0.33	33.8	8.33	6.59	0.87
R319227	179	3.4	43.4	60	188.0	7.89	4.93	1.68	7.55	1.62	0.61	38.0	9.68	7.85	1.26
R319228	14	0.7	28.5	9	146.5	5.44	3.54	0.78	5.48	1.15	0.50	36.3	10.15	6.69	0.91
R319229	10	1.1	70.8	5	395	11.85	8.33	1.39	11.30	2.58	1.26	68.8	19.30	12.75	1.85
R319230	72	1.5	45.6	2	336	8.03	5.49	1.27	10.45	1.68	1.02	80.1	23.2	13.60	1.41
R319231	53	1.0	38.9	2	355	6.76	5.28	0.72	6.59	1.54	1.00	43.1	11.85	7.79	1.04
R319232	72	18.5	131.5	17	141.0	25.6	14.95	7.93	32.5	5.03	1.82	406	129.5	48.4	4.77
R319233	40	0.9	40.0	2	218	7.12	5.21	0.64	7.03	1.57	0.87	44.0	12.45	8.06	1.15
R319234	22	0.9	39.5	3	156.5	8.36	5.38	0.57	7.51	1.73	0.76	40.2	10.95	8.30	1.32
R319235	63	0.8	56.8	3	349	10.35	6.76	1.42	12.10	2.15	1.11	80.6	21.3	14.35	1.79
R319236	64	1.2	81.7	52	285	13.75	8.66	1.77	14.65	2.87	1.34	125.0	36.8	18.35	2.27
R319237	158	3.0	52.4	52	73.1	7.99	6.05	0.40	5.29	1.90	0.99	11.1	2.80	3.31	1.08
R319238	253	2.0	103.5	67	131.0	19.30	11.55	1.89	19.80	3.89	1.33	115.5	31.6	21.1	3.17
R319239	131	1.5	62.4	19	175.5	11.85	7.01	1.80	15.50	2.34	1.04	168.5	49.1	22.5	2.12
R319240	50	1.4	53.5	5	352	8.95	6.84	0.95	7.67	2.06	1.21	41.4	11.20	8.03	1.31
R319241	52	1.1	55.3	4	371	9.64	7.02	1.16	9.11	2.10	1.19	50.7	13.70	9.74	1.52

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015728

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319207A		1.38	8.63
R319207B		1.37	8.67
R319208		1.46	9.80
R319209		1.41	9.35
R319210		1.19	8.42
R319211		0.73	4.93
R319212		1.46	8.81
R319213		1.12	7.76
R319214		0.11	0.80
R319215		1.22	8.34
R319216		1.50	10.20
R319217		1.24	8.23
R319218		1.19	8.03
R319219		1.20	8.15
R319220		1.48	9.28
R319221		0.95	6.22
R319222		0.11	0.71
R319223		1.05	6.61
R319224		0.97	6.46
R319225		0.38	2.41
R319226		0.37	2.38
R319227		0.66	4.17
R319228		0.50	3.26
R319229		1.22	8.39
R319230		0.87	6.33
R319231		0.89	6.51
R319232		2.03	13.05
R319233		0.80	5.71
R319234		0.78	5.25
R319235		1.01	7.13
R319236		1.21	8.20
R319237		0.85	5.56
R319238		1.54	9.57
R319239		0.96	6.46
R319240		1.07	7.74
R319241		1.06	7.71

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 12-FEB-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15015728

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE SD15026517

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 23-FEB-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

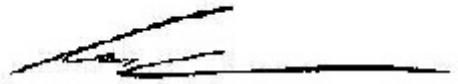
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319242A	1.88	<5	0.02	5.99	6.1	210	3.68	0.22	3.93	0.06	174.0	6.8	19	7.66	23.3
R319242B	<0.02	<5	0.03	5.78	6.0	210	4.00	0.21	3.97	0.03	170.5	6.7	18	7.49	23.5
R319243	1.86	<5	0.05	5.59	4.7	270	4.15	0.29	2.88	0.08	87.2	2.6	14	6.12	65.3
R319244	1.18	<5	0.01	7.15	5.5	20	3.42	0.21	4.55	0.02	67.0	19.4	48	4.68	12.0
R319245	0.73	<5	0.01	7.68	5.1	10	3.21	0.23	5.03	0.08	74.4	28.1	37	0.54	18.8
R319246	2.10	<5	<0.01	7.80	6.7	10	3.65	0.24	6.09	0.05	38.4	19.0	38	0.98	19.7
R319247	1.97	<5	0.01	6.96	6.7	20	4.57	0.22	4.06	0.02	31.4	21.8	32	0.26	15.4
R319248	1.85	84	0.01	7.36	7.5	20	6.08	0.21	5.60	0.04	63.1	22.1	46	0.45	25.8
R319249	0.21	<5	0.03	3.36	1.4	250	0.57	0.03	1.37	0.07	22.7	6.3	55	0.59	11.9
R319250	1.10	<5	0.02	5.44	5.8	10	3.19	0.30	5.46	0.06	93.4	37.6	29	0.15	29.7
R319351	2.09	<5	0.01	7.54	6.8	20	5.26	0.32	5.46	0.02	79.3	28.0	33	0.29	5.2
R319352	0.88	<5	0.04	5.78	3.1	250	3.66	0.21	1.53	0.09	333	4.2	23	2.44	63.6
R319353	0.53	22	0.73	6.49	9.4	80	3.73	3.47	8.89	0.45	460	37.0	35	29.6	427
R319354	0.82	<5	0.05	5.72	4.2	100	4.17	0.23	1.18	0.05	278	4.2	17	2.83	88.6
R319355	1.93	<5	0.01	5.05	2.6	210	3.27	0.04	2.86	0.03	90.9	2.2	18	3.93	4.3
R319356	1.90	8	0.02	5.93	3.1	180	3.30	0.21	1.82	<0.02	98.5	3.8	19	2.89	6.8
R319357	0.04	313	1.99	7.42	31.3	370	1.00	0.79	1.17	3.59	32.4	12.2	26	9.79	2270
R319358	1.98	<5	0.08	5.76	3.8	720	2.67	0.04	0.66	<0.02	182.5	2.7	20	2.22	12.7
R319359	0.56	<5	0.10	6.09	5.1	1370	2.50	0.04	0.37	<0.02	157.5	2.2	18	1.81	698
R319360	0.65	<5	0.07	6.13	7.0	1160	3.30	0.04	0.58	<0.02	194.5	1.9	13	1.16	60.8
R319361	0.70	<5	0.05	5.69	2.5	1070	2.75	0.04	1.09	<0.02	130.0	5.1	15	1.39	5.0
R319362	1.02	<5	<0.01	6.26	3.4	1400	3.30	0.06	0.65	<0.02	223	1.9	21	2.49	4.1
R319363	1.20	<5	0.05	5.50	3.7	1200	3.49	0.10	2.06	<0.02	175.5	2.0	20	3.59	81.2
R319364	0.50	<5	0.03	5.21	4.1	1170	4.64	0.10	3.05	<0.02	94.4	3.6	12	10.45	54.7
R319365	1.99	<5	0.03	5.49	1.3	1180	3.76	0.05	2.47	0.07	90.6	3.0	11	8.16	51.6
R319366	0.59	<5	0.06	4.72	0.8	960	3.94	0.11	4.51	<0.02	207	2.8	12	7.99	204
R319367	0.02	8	0.47	5.34	16.3	170	6.83	0.44	1.11	0.03	>500	46.9	28	2.35	422
R319368	0.82	<5	0.04	5.74	3.3	1190	2.24	0.11	1.12	<0.02	233	3.8	20	1.51	158.0
R319369	1.80	<5	0.02	5.60	2.4	1080	2.37	0.06	1.00	<0.02	226	3.2	21	1.19	84.0
R319370	1.16	18	0.04	6.86	11.6	110	0.98	0.17	5.98	0.27	84.4	45.0	50	1.38	44.8
R319371	1.13	<5	0.04	6.98	8.3	230	1.04	0.17	5.43	0.37	73.8	45.5	46	1.39	20.0
R319372	0.88	<5	0.06	7.27	2.6	1200	1.09	0.10	4.60	0.09	81.5	47.9	34	8.24	204
R319373	1.66	54	0.12	7.23	6.3	510	1.12	0.16	5.68	0.18	67.1	53.7	60	4.48	220
R319374	1.52	6	0.12	5.54	50.9	240	0.63	0.15	14.55	0.48	20.6	9.8	169	3.02	172.0
R319375	0.53	12	0.13	6.23	8.6	110	0.50	0.13	15.15	0.41	19.90	13.4	183	2.60	141.0
R319376	0.39	7	0.11	5.06	7.0	150	0.42	0.12	18.40	0.46	19.35	10.8	152	2.01	141.5

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319242A	3.42	22.0	0.19	10.8	0.188	2.45	86.3	10.3	0.46	279	1.19	0.66	45.7	7.7	150
R319242B	3.39	21.9	0.18	10.9	0.173	2.47	82.8	10.6	0.44	283	1.10	0.66	44.6	7.5	160
R319243	1.29	18.25	0.15	5.3	0.057	3.12	41.3	9.3	0.25	174	1.27	0.12	50.4	3.0	110
R319244	6.59	26.0	0.11	5.3	0.096	0.27	35.4	27.8	1.60	612	1.18	3.39	12.5	35.2	1050
R319245	7.50	27.8	0.10	5.4	0.080	0.09	40.3	24.2	2.44	902	0.94	3.69	14.5	50.3	1040
R319246	6.79	28.2	0.08	5.7	0.102	0.11	18.3	17.8	1.57	648	1.20	4.13	13.8	43.7	1140
R319247	8.46	22.1	0.08	4.9	0.078	0.14	15.7	15.1	1.38	435	1.34	4.07	11.5	46.4	1000
R319248	8.23	25.4	0.09	5.0	0.102	0.12	33.3	17.1	1.57	531	1.34	4.01	12.0	46.1	1060
R319249	2.24	7.46	0.08	1.7	0.017	0.81	11.8	5.1	0.61	324	0.23	1.28	3.1	18.0	190
R319250	15.55	32.9	0.13	3.6	0.117	0.03	49.3	21.2	2.69	945	1.21	1.09	9.2	83.8	810
R319351	8.88	33.4	0.11	5.2	0.179	0.12	40.2	16.6	2.13	711	1.07	3.19	12.3	53.0	1090
R319352	2.00	18.85	0.27	11.3	0.086	1.20	172.0	7.2	0.27	169	1.47	2.94	54.7	4.5	50
R319353	7.86	48.1	0.31	11.1	0.444	1.38	266	28.9	1.01	601	1.10	0.27	44.4	34.5	150
R319354	2.05	20.3	0.23	11.5	0.078	0.86	147.5	6.8	0.24	134	1.28	3.16	55.3	5.4	60
R319355	1.02	17.20	0.12	5.0	0.053	2.56	38.8	11.2	0.15	176	1.11	0.35	39.8	4.3	110
R319356	1.34	17.85	0.15	5.2	0.051	1.53	46.0	8.3	0.25	159	1.61	2.30	39.0	5.0	220
R319357	4.96	17.35	0.09	0.2	0.172	2.38	15.9	30.7	0.73	1140	20.8	0.68	4.7	18.9	730
R319358	2.02	20.5	0.18	11.4	0.054	2.74	90.5	6.2	0.23	117	1.20	2.52	54.4	4.1	30
R319359	1.77	19.40	0.21	12.1	0.049	4.59	73.9	3.7	0.17	94	1.70	1.77	57.4	1.1	30
R319360	1.46	19.00	0.23	12.3	0.033	4.16	98.4	3.9	0.16	85	1.05	2.07	61.0	1.3	40
R319361	3.30	23.3	0.18	10.7	0.052	3.80	63.5	6.9	0.39	175	1.20	1.49	50.1	1.3	40
R319362	2.03	24.0	0.24	12.6	0.090	4.95	104.5	8.3	0.29	130	1.13	1.31	62.5	1.0	40
R319363	1.40	21.5	0.23	10.9	0.091	4.45	82.7	22.5	0.54	191	1.97	0.86	53.3	1.0	40
R319364	1.72	24.8	0.16	10.9	0.112	4.67	37.6	51.2	1.05	277	0.80	0.10	54.2	3.0	30
R319365	1.72	21.5	0.17	10.4	0.095	4.42	37.1	38.3	0.87	233	0.73	0.16	49.3	0.9	30
R319366	1.11	25.8	0.25	9.7	0.115	3.59	95.8	46.3	1.11	300	0.75	0.09	41.8	2.2	40
R319367	9.83	29.6	0.72	3.5	0.041	2.20	760	24.3	1.12	923	19.85	0.05	52.2	8.4	1200
R319368	2.00	20.3	0.26	12.4	0.058	3.87	114.5	14.5	0.37	147	1.27	1.76	58.3	2.9	40
R319369	2.11	21.8	0.25	11.4	0.052	3.62	112.5	10.5	0.28	149	1.19	1.79	53.8	2.1	40
R319370	9.75	18.55	0.12	5.2	0.104	0.54	38.5	36.7	2.83	1640	2.71	0.83	38.9	122.0	2550
R319371	9.77	17.35	0.07	4.6	0.092	0.61	35.3	31.3	2.82	1600	2.66	1.00	34.3	127.0	2550
R319372	7.18	17.95	0.07	6.0	0.063	1.75	37.6	41.0	2.83	2510	0.84	0.86	46.1	104.5	2840
R319373	7.27	16.80	0.07	4.7	0.060	1.54	32.0	47.0	3.33	2280	0.94	0.24	35.7	127.5	2240
R319374	4.87	11.15	<0.05	1.4	0.048	0.57	10.3	10.8	0.39	1430	0.86	0.02	4.1	45.9	410
R319375	5.14	12.40	<0.05	1.6	0.050	0.52	9.3	7.3	0.53	1450	0.84	0.03	4.3	81.8	440
R319376	4.25	10.10	<0.05	1.4	0.046	0.42	8.9	6.4	0.44	1630	0.77	0.02	3.7	58.7	380

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319242A		6.7	115.0	<0.002	<0.01	0.55	5.5	2	3.6	62.6	2.75	<0.05	27.3	0.190	0.48	10.7
R319242B		6.5	111.0	<0.002	<0.01	0.50	5.9	2	3.6	63.9	2.72	<0.05	26.7	0.197	0.46	10.2
R319243		4.2	130.5	<0.002	<0.01	0.53	2.1	1	3.6	31.5	4.49	<0.05	21.2	0.075	0.56	3.9
R319244		3.3	15.0	<0.002	<0.01	0.48	36.2	2	7.6	117.0	0.75	<0.05	4.5	0.934	0.06	4.5
R319245		4.0	4.6	<0.002	<0.01	0.40	35.2	2	7.3	96.1	0.77	<0.05	3.9	0.980	0.02	7.6
R319246		3.7	4.2	<0.002	<0.01	0.63	42.9	2	8.3	131.0	0.82	<0.05	4.4	1.060	0.03	3.6
R319247		4.8	8.0	<0.002	<0.01	0.65	38.4	2	4.7	113.5	0.69	<0.05	3.7	0.938	0.03	2.9
R319248		4.6	6.9	<0.002	<0.01	0.65	40.1	2	6.9	119.5	0.70	<0.05	3.9	0.957	0.03	3.3
R319249		7.0	27.0	<0.002	<0.01	0.15	7.7	<1	0.5	177.0	0.22	<0.05	2.9	0.204	0.13	0.6
R319250		4.1	1.4	<0.002	<0.01	0.64	30.3	2	7.4	92.4	0.50	<0.05	3.4	0.685	<0.02	3.5
R319351		4.0	7.3	<0.002	<0.01	0.81	44.2	2	8.7	171.0	0.74	<0.05	4.2	1.015	0.03	3.6
R319352		4.7	51.1	0.002	<0.01	0.39	1.6	2	4.2	56.8	3.16	<0.05	30.7	0.108	0.19	16.4
R319353		14.8	83.9	<0.002	0.01	0.50	3.6	2	10.7	235	2.96	1.13	22.2	0.106	0.28	22.9
R319354		3.9	47.9	<0.002	<0.01	0.42	1.4	2	3.9	57.3	3.23	0.05	30.6	0.105	0.16	16.7
R319355		1.7	109.0	<0.002	<0.01	0.26	1.6	1	3.0	19.5	3.42	<0.05	22.3	0.086	0.56	2.6
R319356		1.7	80.0	<0.002	<0.01	0.25	2.6	1	3.7	45.3	2.94	<0.05	23.3	0.106	0.33	3.9
R319357		75.2	96.3	0.192	2.82	1.96	7.9	5	2.0	194.0	0.36	0.63	4.8	0.183	1.45	1.0
R319358		3.6	86.8	<0.002	<0.01	0.17	1.6	2	4.7	36.8	3.10	<0.05	30.2	0.099	0.28	4.4
R319359		4.4	134.0	<0.002	0.02	0.18	1.7	3	4.2	48.2	3.22	<0.05	31.7	0.104	0.42	4.3
R319360		4.1	123.5	<0.002	<0.01	0.20	1.7	2	4.0	48.0	3.39	<0.05	32.4	0.111	0.38	3.9
R319361		5.8	126.0	<0.002	<0.01	0.25	1.8	2	4.1	63.9	2.86	<0.05	26.5	0.105	0.37	8.9
R319362		8.8	150.5	<0.002	<0.01	0.24	2.0	3	5.3	79.6	3.54	<0.05	33.6	0.115	0.43	7.0
R319363		8.8	141.5	<0.002	0.01	0.20	1.5	3	3.9	59.1	3.08	<0.05	28.2	0.098	0.41	7.4
R319364		3.4	122.0	<0.002	<0.01	0.33	1.4	2	4.7	50.4	2.92	<0.05	23.5	0.097	0.41	8.3
R319365		4.5	124.0	<0.002	<0.01	0.24	1.4	2	6.8	46.4	2.78	<0.05	25.0	0.097	0.39	4.8
R319366		2.6	103.0	<0.002	0.03	0.21	1.5	3	4.3	35.1	2.59	<0.05	23.3	0.089	0.33	6.6
R319367		22.0	181.5	0.096	0.09	1.04	8.7	9	7.7	20.9	2.09	0.11	34.8	0.330	0.67	377
R319368		2.8	102.0	<0.002	<0.01	0.26	1.6	3	5.0	56.7	3.24	<0.05	29.6	0.116	0.33	8.1
R319369		2.8	103.5	<0.002	<0.01	0.25	1.5	3	4.5	61.1	3.14	<0.05	28.5	0.106	0.31	7.3
R319370		17.3	38.1	<0.002	<0.01	0.49	22.4	2	1.6	324	2.50	<0.05	3.0	1.490	0.21	0.9
R319371		19.6	36.4	<0.002	<0.01	0.42	21.0	1	1.5	292	2.32	<0.05	3.3	1.380	0.23	1.2
R319372		22.5	72.9	<0.002	<0.01	0.22	22.6	1	1.9	207	3.19	<0.05	4.4	1.620	0.49	1.6
R319373		11.5	86.1	<0.002	<0.01	0.40	22.3	1	1.7	111.5	2.46	<0.05	3.1	1.615	0.50	1.2
R319374		28.0	31.1	<0.002	<0.01	0.80	20.7	1	0.5	210	0.22	<0.05	1.0	0.377	0.22	0.9
R319375		32.3	27.7	<0.002	<0.01	0.47	22.8	<1	0.6	239	0.24	<0.05	1.0	0.424	0.21	0.7
R319376		28.1	21.9	<0.002	<0.01	0.41	19.6	1	0.4	194.0	0.20	<0.05	0.7	0.337	0.16	0.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319242A	48	1.6	74.1	26	350	12.40	7.97	1.82	11.85	2.64	1.23	69.8	19.25	13.10	1.92
R319242B	48	1.6	73.2	25	350	12.30	7.90	1.80	11.85	2.64	1.24	68.3	18.70	12.60	1.91
R319243	15	0.6	30.4	16	146.5	5.39	3.31	0.41	5.33	1.10	0.52	33.2	10.35	6.54	0.87
R319244	236	3.4	57.8	53	191.0	9.23	6.57	1.26	7.37	2.09	0.97	27.6	7.63	6.38	1.29
R319245	292	3.6	60.5	83	194.5	8.99	7.15	1.25	6.80	2.20	1.08	27.6	8.19	5.96	1.23
R319246	285	3.8	66.3	48	206	10.00	7.87	0.98	6.73	2.42	1.15	16.8	4.26	4.90	1.33
R319247	301	4.0	47.8	39	177.5	7.44	5.54	0.88	5.46	1.77	0.80	14.9	3.66	4.19	1.00
R319248	303	4.0	61.7	45	181.5	9.33	7.25	1.06	6.66	2.22	1.02	23.6	6.55	5.54	1.25
R319249	61	0.2	7.7	25	61.5	1.37	0.78	0.49	1.56	0.28	0.13	10.6	2.83	2.02	0.23
R319250	333	4.0	71.7	85	133.0	11.45	8.06	1.50	9.31	2.60	0.97	38.1	10.60	8.43	1.62
R319351	307	2.7	73.0	54	189.5	11.35	8.52	1.44	8.63	2.67	1.16	31.5	9.08	7.45	1.55
R319352	22	0.8	88.5	11	369	13.65	8.54	1.86	15.40	2.88	1.33	113.5	34.4	18.15	2.26
R319353	164	3.1	101.5	42	363	15.35	10.90	2.31	17.25	3.42	1.92	157.0	50.6	22.7	2.48
R319354	28	0.8	91.8	11	360	13.55	8.74	1.75	14.40	2.95	1.40	100.5	29.3	16.50	2.19
R319355	14	0.5	26.1	10	146.0	5.19	3.08	0.45	5.06	1.08	0.45	29.2	9.25	5.68	0.85
R319356	19	0.5	35.2	12	161.0	6.31	3.82	0.57	5.96	1.32	0.51	33.4	10.45	6.52	0.98
R319357	71	6.7	9.4	721	4.9	1.81	0.90	0.92	2.48	0.34	0.12	14.7	3.70	3.08	0.34
R319358	7	0.8	76.9	18	357	12.75	8.23	1.36	12.20	2.73	1.31	67.9	19.00	12.50	1.97
R319359	4	0.9	80.7	15	383	13.00	8.81	1.29	11.40	2.87	1.41	59.4	16.40	11.30	1.93
R319360	3	1.0	87.6	13	389	14.45	9.40	1.61	13.50	3.08	1.45	76.6	21.3	14.15	2.22
R319361	5	2.2	75.1	28	344	11.35	7.87	1.02	9.60	2.57	1.24	50.2	14.05	9.55	1.68
R319362	3	1.4	103.0	30	396	17.30	10.80	1.93	16.35	3.66	1.56	82.5	23.2	15.95	2.72
R319363	4	1.1	87.3	26	343	14.75	9.57	1.72	13.40	3.20	1.36	66.6	18.95	12.85	2.25
R319364	3	0.7	81.9	16	347	12.85	8.54	0.99	9.66	2.84	1.31	30.1	9.07	7.47	1.85
R319365	3	0.7	70.5	16	350	11.10	7.65	0.93	8.51	2.49	1.23	29.2	8.74	6.90	1.60
R319366	7	0.7	94.4	22	324	16.60	9.64	1.64	15.35	3.42	1.35	74.8	21.2	15.05	2.62
R319367	73	17.9	136.0	21	124.0	26.2	14.00	7.77	33.2	4.97	1.82	394	134.0	50.9	4.52
R319368	5	1.4	97.8	13	410	16.30	10.35	2.29	16.35	3.43	1.62	92.4	25.9	17.85	2.57
R319369	4	0.7	87.2	11	367	14.85	9.12	2.04	15.60	3.10	1.39	89.7	25.1	16.75	2.41
R319370	288	1.8	31.7	260	218	6.01	2.98	2.78	7.43	1.16	0.37	43.2	10.75	8.50	1.07
R319371	289	2.1	27.9	255	197.0	4.88	2.48	2.40	6.11	0.95	0.31	39.9	9.06	7.59	0.87
R319372	242	0.9	33.1	367	256	5.73	2.99	2.33	6.92	1.11	0.39	44.7	10.25	8.57	1.02
R319373	253	5.8	26.6	414	198.5	4.50	2.30	2.01	5.57	0.88	0.31	36.2	8.30	6.87	0.80
R319374	135	0.7	14.9	84	55.8	2.47	1.46	0.83	2.39	0.52	0.22	10.9	2.49	2.30	0.40
R319375	162	0.4	16.6	87	64.1	2.56	1.58	0.82	2.49	0.55	0.25	10.8	2.39	2.39	0.41
R319376	138	0.5	16.1	70	53.6	2.32	1.44	0.80	2.34	0.52	0.21	10.5	2.33	2.36	0.38

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319242A		1.21	8.02
R319242B		1.23	8.00
R319243		0.52	3.43
R319244		1.01	6.39
R319245		1.12	7.20
R319246		1.24	7.99
R319247		0.85	5.43
R319248		1.13	7.24
R319249		0.12	0.80
R319250		1.17	7.16
R319351		1.31	8.31
R319352		1.29	8.32
R319353		1.80	12.25
R319354		1.34	8.92
R319355		0.46	3.03
R319356		0.58	3.61
R319357		0.13	0.79
R319358		1.28	8.44
R319359		1.39	9.16
R319360		1.46	9.48
R319361		1.24	8.12
R319362		1.63	10.35
R319363		1.43	9.03
R319364		1.33	8.64
R319365		1.22	8.02
R319366		1.43	9.14
R319367		2.07	12.80
R319368		1.64	10.70
R319369		1.40	9.08
R319370		0.41	2.45
R319371		0.35	2.09
R319372		0.43	2.64
R319373		0.34	2.07
R319374		0.23	1.44
R319375		0.24	1.59
R319376		0.22	1.36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 6-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026517

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 10-MAR-2015
Account: SUPCOP

CERTIFICATE SD15026518

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 23-FEB-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

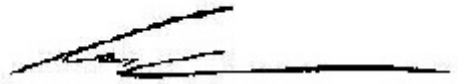
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 10-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026518

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319177A	1.89	<5	0.05	6.22	11.8	10	0.81	0.36	8.39	<0.02	47.7	32.1	41	0.10	111.0
R319177B	<0.02	<5	0.04	6.36	12.2	10	0.90	0.38	8.63	<0.02	48.9	33.2	44	0.10	113.5
R319377	1.20	<5	0.09	4.16	4.7	90	0.59	0.15	14.80	0.63	13.45	3.8	157	1.90	44.6
R319378	1.67	5	0.12	7.62	4.1	170	1.04	0.17	8.03	0.15	66.1	62.5	73	3.08	212
R319379	1.74	<5	0.03	7.07	3.9	120	0.90	0.13	8.32	0.12	43.4	54.1	137	1.70	31.0
R319380	1.02	<5	0.18	6.39	3.1	1050	0.92	0.06	3.36	0.03	74.0	36.1	18	0.49	9.7
R319381	1.03	<5	0.12	6.32	2.9	420	1.09	0.08	4.57	0.06	80.7	36.7	19	0.85	1310
R319382	1.07	<5	0.38	6.59	2.2	890	1.14	0.06	2.22	0.03	74.2	41.1	12	0.33	13.8
R319383	0.18	<5	0.03	3.31	1.8	250	0.53	0.04	1.44	0.07	20.7	6.1	58	0.55	12.5
R319384	1.51	<5	0.55	6.56	2.1	730	1.51	0.07	3.49	0.06	82.8	31.5	12	0.38	927
R319385	2.09	<5	0.03	6.65	2.5	1250	1.35	0.10	4.59	0.11	86.4	30.1	10	1.11	225
R319386	2.02	<5	0.01	6.60	2.6	1210	1.36	0.06	3.81	0.13	85.5	29.7	14	0.92	75.3
R319387	2.37	<5	0.03	6.56	2.4	560	1.19	0.05	5.87	0.12	82.1	29.2	15	0.32	244
R319388	1.87	<5	0.01	6.71	1.8	950	1.31	0.05	3.21	0.06	74.5	38.5	16	0.40	11.3
R319389	1.96	<5	0.01	5.46	7.8	60	0.76	0.05	8.23	0.21	56.8	32.6	24	0.11	7.9
R319390	1.85	<5	0.23	6.43	5.6	250	1.01	0.06	5.29	0.11	71.8	37.0	17	0.22	18.1
R319391	0.05	313	1.93	7.72	31.4	380	0.87	0.74	1.21	3.81	31.8	11.3	28	9.54	2280
R319392	2.40	<5	0.13	6.64	5.6	440	1.13	0.07	6.76	0.11	72.1	38.4	17	0.22	10.2
R319393	1.48	<5	0.15	7.13	1.7	180	1.05	0.06	5.72	0.15	70.8	49.9	26	0.15	257
R319394	1.76	<5	0.36	6.70	1.8	680	0.82	0.05	3.32	0.05	68.0	48.2	24	0.27	192.0
R319395	1.07	<5	0.18	5.90	2.8	110	0.73	0.06	9.33	0.13	69.0	32.8	25	0.09	299
R319396	1.14	<5	2.19	6.87	3.2	240	0.79	0.07	8.42	0.15	74.2	37.4	25	0.12	1490
R319397	1.21	<5	0.17	7.35	1.9	460	1.31	0.04	4.23	0.10	67.1	53.9	27	0.19	503
R319398	1.40	<5	0.40	6.09	3.3	50	0.87	0.07	10.50	0.17	42.4	41.6	30	0.07	28.7
R319399	0.77	<5	0.43	5.85	3.4	10	0.88	0.05	10.75	0.19	37.0	34.0	29	<0.05	3920
R319400	2.34	<5	0.18	7.00	2.4	80	0.83	0.04	5.83	0.10	39.5	49.7	32	0.10	22.3
R319251	<0.02	11	0.46	5.19	16.3	170	6.21	0.42	1.13	0.03	>500	46.4	28	2.35	428
R319252	2.09	<5	0.02	6.60	2.8	100	0.89	0.03	4.49	0.08	37.7	53.2	30	0.11	10.1
R319253	1.83	<5	0.11	5.90	12.6	220	0.77	0.08	5.86	0.14	36.2	47.0	34	0.18	172.5
R319254	0.58	<5	0.10	6.09	4.6	40	0.60	0.05	8.04	0.22	29.0	43.0	45	0.19	22.6
R319255	1.48	<5	0.08	6.37	2.9	20	0.78	0.05	6.80	0.20	29.1	42.2	66	0.12	13.6
R319256	1.85	<5	0.06	6.84	3.1	80	0.78	0.05	5.64	0.11	30.6	45.0	70	0.10	17.1
R319257	1.51	<5	0.13	7.19	3.1	110	0.74	0.04	5.06	0.12	36.3	53.4	66	0.10	5.2
R319258	0.85	74	0.45	5.49	5.9	8560	1.10	0.08	11.80	0.22	31.8	28.3	45	0.05	>10000
R319259	0.65	<5	0.21	6.42	3.3	20	0.71	0.06	8.45	0.13	40.4	38.9	68	0.06	255
R319260	0.59	<5	0.24	6.37	3.4	10	0.94	0.07	8.56	0.17	41.4	41.3	62	0.05	32.4

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Finalized Date: 10-MAR-2015
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CERTIFICATE OF ANALYSIS SD 15026518

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319177A	7.76	21.2	<0.05	3.7	0.409	0.02	24.8	18.1	2.48	817	1.41	0.15	8.5	43.0	860
R319177B	7.97	22.3	0.05	3.9	0.438	0.02	26.0	18.8	2.53	846	1.35	0.15	8.8	44.1	890
R319377	3.67	8.74	<0.05	0.9	0.041	0.44	7.0	8.6	0.16	1290	1.61	0.03	2.7	17.0	260
R319378	7.85	15.80	0.06	4.9	0.060	0.96	30.3	26.7	2.59	3050	2.78	1.09	36.5	137.5	2240
R319379	8.06	16.20	<0.05	3.1	0.053	0.45	20.7	37.1	3.15	2760	1.61	0.36	21.0	152.0	1310
R319380	8.67	18.25	0.08	5.4	0.060	1.78	37.7	22.1	2.57	1520	0.95	1.85	21.8	20.1	2010
R319381	9.03	20.5	0.05	5.6	0.085	0.70	41.8	26.7	3.04	1780	1.02	1.26	22.5	17.2	2040
R319382	8.36	19.30	0.06	6.3	0.080	1.53	35.8	26.5	3.55	1820	1.00	1.91	25.2	12.6	2520
R319383	2.32	7.11	<0.05	1.6	0.020	0.80	10.7	4.9	0.62	338	0.31	1.26	3.1	17.9	180
R319384	8.34	18.40	0.09	6.0	0.081	1.64	41.7	18.0	2.16	1650	1.17	1.79	24.3	11.1	2480
R319385	9.06	19.45	0.11	6.2	0.083	2.76	43.8	16.5	1.72	1830	1.25	1.35	24.6	10.5	2480
R319386	8.40	19.75	0.08	6.1	0.086	3.01	43.9	14.1	1.64	1760	1.35	1.56	24.6	11.9	2400
R319387	8.73	21.3	0.06	5.3	0.098	1.34	42.5	20.1	1.86	1660	1.10	1.49	21.4	16.1	2010
R319388	8.98	19.90	0.09	5.7	0.074	1.73	37.5	23.8	2.75	1660	1.07	2.34	22.6	20.2	2050
R319389	7.45	16.70	<0.05	3.9	0.079	0.09	27.7	32.0	2.48	1670	0.84	0.67	14.7	29.3	1400
R319390	8.91	19.05	<0.05	5.1	0.087	0.51	36.8	28.1	2.71	1670	1.01	1.96	21.1	21.5	1910
R319391	5.18	16.55	<0.05	0.2	0.170	2.42	16.7	29.5	0.75	1140	21.4	0.70	4.3	19.1	750
R319392	8.97	20.2	0.06	5.3	0.087	0.76	37.5	30.9	2.97	1770	0.83	1.48	20.9	24.0	1850
R319393	9.63	20.8	0.07	5.6	0.094	0.28	34.1	27.9	4.22	2610	0.75	2.52	21.2	33.9	1910
R319394	9.15	19.90	0.07	5.0	0.078	1.30	33.3	24.5	3.82	2500	0.88	2.04	19.8	31.6	1730
R319395	8.39	20.2	0.06	4.5	0.108	0.28	39.1	28.9	2.38	2350	0.94	0.39	18.1	30.5	1630
R319396	9.43	21.8	0.05	4.8	0.097	0.74	41.6	15.0	2.83	2340	1.15	1.53	18.9	29.9	1690
R319397	10.40	20.9	<0.05	5.5	0.069	1.17	33.9	19.4	4.17	2850	0.91	2.86	21.6	36.2	1900
R319398	9.09	18.70	<0.05	3.1	0.111	0.10	23.5	7.4	3.59	2310	0.78	0.57	11.6	39.6	900
R319399	8.79	15.85	<0.05	2.8	0.088	0.01	20.0	14.5	2.73	1840	0.69	0.35	9.6	34.0	740
R319400	10.60	18.15	<0.05	3.2	0.081	0.20	19.9	16.4	4.02	2290	0.56	2.74	11.0	44.7	890
R319251	9.87	26.4	0.77	3.4	0.035	2.21	760	24.1	1.12	920	19.85	0.05	51.4	8.3	1220
R319252	10.20	17.95	<0.05	3.2	0.079	0.22	19.4	20.5	4.45	2750	0.69	2.67	10.7	42.6	860
R319253	8.50	17.10	0.09	3.0	0.076	0.35	18.5	19.2	4.10	2080	0.89	1.02	10.0	35.0	710
R319254	8.81	16.95	0.07	2.4	0.070	0.05	14.6	44.6	3.95	2020	1.38	1.12	7.9	39.3	680
R319255	7.98	16.35	0.06	2.4	0.064	0.04	14.9	19.3	3.59	1980	0.50	1.65	7.9	44.1	650
R319256	9.34	18.00	0.07	2.5	0.074	0.14	15.4	15.6	3.89	2260	0.57	2.55	8.0	46.6	670
R319257	9.44	20.3	0.10	3.1	0.072	0.18	18.3	22.1	5.14	2800	0.40	2.46	10.5	50.9	860
R319258	8.26	13.55	0.10	2.3	0.084	0.02	18.9	14.9	2.66	2760	1.04	0.16	9.2	32.9	710
R319259	8.63	16.60	0.07	3.1	0.080	0.05	20.9	12.9	3.09	1950	0.84	1.12	11.6	50.5	900
R319260	8.77	17.05	0.08	3.3	0.080	0.03	21.4	14.7	3.20	1970	0.82	1.15	11.8	51.5	940

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Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319177A		4.6	1.3	<0.002	<0.01	1.10	36.8	1	4.3	382	0.56	<0.05	2.5	0.847	<0.02	5.5
R319177B		4.6	1.3	<0.002	<0.01	1.19	38.6	1	4.5	390	0.56	<0.05	2.6	0.864	<0.02	5.7
R319377		33.0	22.6	<0.002	<0.01	0.52	19.1	<1	0.3	146.0	0.14	<0.05	0.6	0.256	0.17	0.6
R319378		26.4	49.5	<0.002	<0.01	0.43	23.5	1	1.4	148.5	2.43	<0.05	3.1	1.550	0.35	1.1
R319379		28.2	22.4	<0.002	<0.01	0.46	26.2	1	1.0	196.5	1.45	<0.05	2.3	0.941	0.15	1.0
R319380		11.6	49.8	<0.002	<0.01	0.25	29.0	1	1.8	124.5	1.32	<0.05	9.7	0.848	0.38	2.5
R319381		16.0	22.0	<0.002	0.03	0.20	28.6	2	1.9	216	1.36	<0.05	9.9	0.846	0.16	1.6
R319382		9.3	40.1	<0.002	<0.01	0.20	28.7	1	2.1	87.9	1.55	<0.05	11.7	0.920	0.31	2.8
R319383		6.9	27.1	<0.002	<0.01	0.12	7.5	<1	0.5	173.5	0.22	<0.05	2.2	0.222	0.13	0.5
R319384		14.5	43.9	<0.002	0.02	0.21	28.5	1	1.9	185.0	1.48	<0.05	11.6	0.899	0.32	3.0
R319385		20.4	86.1	<0.002	0.01	0.38	27.9	2	2.1	218	1.51	<0.05	11.9	0.900	0.65	3.1
R319386		18.0	96.2	<0.002	<0.01	0.42	28.3	1	2.0	205	1.46	<0.05	11.6	0.895	0.68	3.0
R319387		16.9	39.6	<0.002	<0.01	0.42	28.2	1	1.7	333	1.29	<0.05	9.5	0.835	0.28	2.6
R319388		10.4	48.8	<0.002	<0.01	0.28	32.2	1	1.9	122.0	1.37	<0.05	9.7	0.920	0.37	2.4
R319389		20.4	3.0	<0.002	<0.01	0.37	27.0	1	1.3	428	0.92	<0.05	6.1	0.721	0.03	1.4
R319390		15.6	14.4	<0.002	<0.01	0.34	29.7	1	1.7	287	1.23	<0.05	8.8	0.859	0.10	2.4
R319391		75.3	94.8	0.205	2.95	1.84	7.5	4	1.9	198.0	0.30	0.61	4.4	0.184	1.40	0.9
R319392		21.1	21.8	<0.002	<0.01	0.41	32.0	1	1.7	324	1.24	<0.05	8.4	0.900	0.17	2.7
R319393		12.0	7.9	<0.002	<0.01	0.27	36.5	1	1.7	206	1.30	<0.05	8.5	0.999	0.06	1.2
R319394		9.5	39.6	<0.002	<0.01	0.22	34.2	1	1.7	129.0	1.18	<0.05	7.8	0.894	0.27	1.3
R319395		23.0	8.1	<0.002	0.01	0.60	30.7	1	1.6	546	1.05	<0.05	7.1	0.831	0.06	1.1
R319396		22.9	19.9	0.002	0.03	0.39	32.1	1	1.6	364	1.13	<0.05	7.5	0.860	0.16	1.2
R319397		13.2	31.7	<0.002	0.01	0.26	37.2	2	1.7	100.5	1.28	<0.05	8.3	0.985	0.25	1.2
R319398		27.1	2.4	<0.002	<0.01	0.41	37.5	1	1.1	465	0.63	<0.05	3.5	0.717	0.02	1.4
R319399		25.1	0.4	<0.002	0.09	0.44	36.2	1	0.9	520	0.58	<0.05	3.1	0.676	<0.02	1.2
R319400		12.7	4.2	<0.002	<0.01	0.35	44.7	1	1.1	203	0.66	<0.05	3.6	0.834	0.04	1.0
R319251		23.0	185.5	0.098	0.09	1.01	8.4	9	7.6	21.2	2.07	0.10	35.5	0.334	0.69	378
R319252		11.1	4.4	<0.002	<0.01	0.32	46.4	1	1.1	139.0	0.65	<0.05	3.4	0.818	0.04	1.4
R319253		14.8	9.9	<0.002	<0.01	0.50	38.5	1	1.0	308	0.61	<0.05	3.8	0.655	0.08	4.5
R319254		18.4	1.4	<0.002	<0.01	0.81	38.4	1	0.9	350	0.47	<0.05	2.6	0.610	<0.02	1.8
R319255		12.0	1.1	<0.002	<0.01	0.38	37.9	1	0.8	350	0.49	<0.05	2.7	0.574	<0.02	1.3
R319256		10.3	3.3	<0.002	<0.01	0.29	43.4	1	0.8	205	0.47	<0.05	2.5	0.621	0.03	1.1
R319257		11.9	3.5	<0.002	<0.01	0.29	44.2	1	0.9	178.0	0.63	<0.05	3.4	0.726	0.03	1.1
R319258		29.2	0.4	<0.002	0.93	0.50	27.6	19	0.9	670	0.52	0.09	2.5	0.514	0.08	1.2
R319259		16.1	1.1	<0.002	<0.01	0.24	35.4	1	0.9	355	0.66	<0.05	3.2	0.690	0.02	1.1
R319260		18.7	0.8	0.002	<0.01	0.26	39.4	1	1.0	363	0.71	<0.05	3.3	0.716	<0.02	1.4

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CERTIFICATE OF ANALYSIS SD 15026518

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319177A	217	2.5	39.4	64	143.5	6.22	4.06	2.93	5.61	1.42	0.62	24.1	5.52	5.30	0.97
R319177B	224	2.6	41.1	65	143.5	6.41	4.19	2.95	5.76	1.43	0.64	24.6	5.70	5.34	0.99
R319377	92	0.6	12.2	32	32.0	1.91	1.23	0.66	1.75	0.43	0.18	7.5	1.74	1.66	0.29
R319378	253	1.2	29.6	470	207	4.95	2.47	1.96	5.86	0.96	0.35	36.6	8.24	7.33	0.88
R319379	206	0.6	23.1	446	127.0	3.75	2.08	1.45	4.09	0.75	0.30	23.6	5.37	4.64	0.63
R319380	166	0.8	44.3	228	213	7.06	4.35	1.67	6.78	1.49	0.67	34.6	8.25	6.99	1.08
R319381	183	0.8	48.5	256	217	7.43	4.59	1.86	7.17	1.58	0.69	37.9	9.15	7.45	1.17
R319382	154	0.6	51.9	284	243	7.92	4.94	1.84	7.61	1.75	0.74	36.8	8.68	7.66	1.27
R319383	62	0.2	7.5	26	57.1	1.25	0.71	0.49	1.40	0.25	0.12	10.4	2.61	1.83	0.22
R319384	168	0.6	49.4	207	234	7.72	4.85	1.82	7.48	1.67	0.73	38.7	9.38	7.62	1.22
R319385	178	0.9	51.4	241	241	8.11	5.06	1.85	7.83	1.75	0.76	39.9	9.72	7.89	1.27
R319386	167	0.9	50.0	219	235	7.80	4.85	1.88	7.75	1.71	0.76	39.5	9.65	7.76	1.24
R319387	194	0.7	47.3	198	211	7.15	4.54	1.81	7.03	1.55	0.69	38.1	9.24	7.32	1.14
R319388	213	0.8	47.1	251	220	7.28	4.61	1.75	6.98	1.60	0.69	35.4	8.43	7.17	1.14
R319389	83	0.4	33.1	167	156.5	5.03	3.09	1.31	4.98	1.10	0.47	25.5	6.07	5.29	0.80
R319390	183	0.9	44.5	228	204	6.81	4.28	1.64	6.67	1.50	0.65	33.4	8.01	6.72	1.08
R319391	72	4.6	8.7	718	5.2	1.55	0.78	0.89	2.16	0.31	0.11	15.5	3.62	2.95	0.30
R319392	187	1.0	45.0	241	204	6.86	4.30	1.72	6.68	1.50	0.65	34.0	8.20	6.87	1.09
R319393	271	0.5	43.3	353	215	6.84	4.27	1.81	6.70	1.50	0.66	33.5	7.98	6.86	1.07
R319394	241	0.4	43.2	358	195.5	6.64	4.11	1.71	6.33	1.45	0.64	32.5	7.76	6.48	1.02
R319395	230	0.3	40.7	236	179.5	6.14	3.73	1.62	5.93	1.34	0.60	32.6	7.75	6.36	0.96
R319396	236	0.6	43.8	225	188.0	6.73	4.33	1.71	6.29	1.48	0.70	35.0	8.51	6.61	1.05
R319397	276	0.7	46.4	346	213	6.96	4.39	1.73	6.59	1.55	0.66	32.4	7.76	6.77	1.09
R319398	226	0.4	31.7	197	118.0	4.90	3.04	1.36	4.46	1.06	0.48	20.7	4.84	4.25	0.73
R319399	236	0.5	30.8	157	104.5	4.61	2.98	1.24	4.19	1.04	0.48	18.8	4.30	4.05	0.68
R319400	340	0.7	35.7	267	124.0	5.29	3.43	1.41	4.78	1.20	0.55	19.8	4.60	4.46	0.83
R319251	72	17.0	137.0	20	122.5	23.4	12.80	7.77	29.3	4.67	1.72	442	137.0	48.9	4.24
R319252	334	0.7	34.9	326	118.5	5.23	3.34	1.28	4.52	1.17	0.54	18.9	4.41	4.27	0.78
R319253	218	0.5	30.2	275	109.5	4.52	2.90	1.16	4.09	1.00	0.46	17.6	4.13	3.85	0.70
R319254	208	0.5	26.7	285	91.3	4.17	2.67	1.06	3.64	0.93	0.43	14.8	3.39	3.34	0.64
R319255	239	0.4	25.8	202	91.6	3.91	2.53	1.02	3.53	0.88	0.41	14.7	3.33	3.24	0.59
R319256	285	0.4	29.8	219	93.1	4.32	2.85	1.13	3.72	0.98	0.45	15.6	3.48	3.52	0.65
R319257	272	0.4	30.0	334	115.0	4.80	3.00	1.27	4.20	1.09	0.47	18.1	4.18	4.08	0.73
R319258	149	1.3	28.3	162	87.4	4.30	2.86	0.97	3.89	0.95	0.48	15.7	4.03	3.60	0.65
R319259	251	0.3	29.7	176	121.0	4.65	3.01	1.21	4.33	1.05	0.47	18.2	4.64	4.43	0.72
R319260	259	0.3	31.2	178	124.0	4.63	2.92	1.31	4.36	1.03	0.46	20.5	4.72	4.29	0.73

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 10-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15026518

Sample Description	Method Analyte Units LOR	ME-MS61r Tm ppm 0.01	ME-MS61r Yb ppm 0.03	Cu-OC62 Cu % 0.001
R319177A		0.63	4.09	
R319177B		0.66	4.07	
R319377		0.18	1.16	
R319378		0.38	2.32	
R319379		0.31	1.93	
R319380		0.69	4.35	
R319381		0.70	4.52	
R319382		0.77	4.88	
R319383		0.12	0.78	
R319384		0.75	4.74	
R319385		0.80	4.99	
R319386		0.77	4.83	
R319387		0.71	4.39	
R319388		0.73	4.63	
R319389		0.48	3.04	
R319390		0.65	4.24	
R319391		0.11	0.74	
R319392		0.65	4.28	
R319393		0.66	4.26	
R319394		0.63	4.08	
R319395		0.61	3.83	
R319396		0.69	4.57	
R319397		0.68	4.35	
R319398		0.50	3.13	
R319399		0.47	3.05	
R319400		0.56	3.54	
R319251		1.96	12.05	
R319252		0.55	3.42	
R319253		0.45	3.03	
R319254		0.43	2.80	
R319255		0.40	2.58	
R319256		0.46	2.85	
R319257		0.49	3.18	
R319258		0.44	3.11	3.09
R319259		0.46	2.95	
R319260		0.47	3.05	

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CERTIFICATE OF ANALYSIS SD 15026518

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	Cu-OG62	ME-MS61r	ME-OG62

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE SD15036357

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 13-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

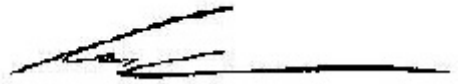
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319261A	2.01	<5	0.57	6.80	2.9	60	0.79	0.04	5.11	0.08	40.9	51.9	64	0.08	11.1
R319261B	<0.02	<5	0.67	6.67	2.8	60	0.81	0.04	4.99	0.09	40.6	51.2	62	0.08	13.3
R319262	2.02	<5	0.94	6.87	2.5	20	0.74	0.03	4.85	0.10	42.2	49.1	65	0.07	44.8
R319263	2.01	<5	0.27	6.64	2.3	30	0.72	0.03	7.27	0.11	33.2	40.5	58	0.05	83.8
R319264	0.67	<5	0.77	5.04	3.2	10	0.61	0.04	9.16	0.43	22.3	23.6	52	<0.05	83.7
R319265	1.21	<5	0.68	5.84	3.0	110	0.54	0.04	6.05	0.13	28.1	40.0	63	0.14	28.1
R319266	2.06	<5	0.03	6.87	2.4	980	0.71	0.03	3.84	0.05	29.7	50.0	71	0.30	13.6
R319267	1.91	<5	0.15	7.09	2.2	420	0.59	0.04	5.09	0.11	28.8	44.8	82	0.17	48.8
R319268	0.13	<5	0.03	3.10	1.4	240	0.52	0.04	1.30	0.07	19.75	6.0	52	0.51	16.2
R319269	2.14	<5	0.07	7.37	7.0	850	0.60	0.32	3.95	0.09	28.1	49.8	92	1.82	68.1
R319270	0.77	<5	0.08	8.06	6.6	230	0.39	0.13	9.25	0.17	13.50	29.1	79	0.10	42.9
R319271	2.05	<5	0.05	7.95	5.0	1010	0.52	0.07	6.11	0.10	16.05	59.8	90	0.47	860
R319272	1.04	8	0.07	7.79	4.2	130	0.25	0.08	9.83	0.21	15.35	44.4	79	0.07	4860
R319273	0.87	100	0.91	3.58	4.6	300	0.21	0.05	8.77	2.48	6.96	20.9	65	<0.05	>10000
R319274	1.09	<5	0.22	7.95	3.4	1500	0.47	0.03	5.20	0.11	14.45	57.2	98	0.50	278
R319275	1.79	<5	0.15	7.33	2.6	1650	0.45	0.03	4.28	0.07	14.15	52.3	87	0.84	156.0
R319276	0.04	367	1.92	7.06	29.1	350	0.85	0.72	1.08	3.54	30.0	11.4	24	8.88	2140
R319277	2.25	<5	0.29	7.62	3.0	1590	0.35	0.02	5.26	0.07	15.40	56.1	86	0.69	299
R319278	0.99	<5	0.17	6.09	6.9	20	0.36	0.04	8.63	0.13	12.70	28.5	75	0.05	1520
R319279	0.59	<5	0.70	7.50	3.8	810	0.55	0.02	4.34	0.08	14.60	61.9	84	0.25	515
R319280	1.57	<5	0.01	8.32	3.9	780	0.25	0.03	5.08	0.05	7.29	62.5	76	3.23	62.0
R319281	1.38	14	0.40	7.96	5.1	510	0.25	0.11	5.39	0.05	6.67	70.8	75	0.34	1560
R319282	1.90	<5	0.32	7.74	4.5	900	0.40	0.05	4.47	0.05	7.27	65.3	76	1.26	139.0
R319283	1.73	<5	0.11	7.09	4.1	630	0.30	0.03	4.53	0.04	6.83	64.0	70	1.87	89.6
R319284	1.38	<5	0.01	7.47	4.7	10	0.90	0.09	6.65	0.11	33.2	47.0	134	0.07	5.3
R319285	1.53	<5	0.03	6.47	7.1	30	0.41	0.36	8.05	0.20	18.35	31.7	147	0.07	16.7
R319286	<0.02		0.44	5.10	15.6	170	6.42	0.43	1.06	0.04	>500	46.0	26	2.17	405
R319287	2.89	<5	<0.01	8.43	5.6	120	0.60	0.05	5.94	0.04	21.0	35.0	74	3.00	6.5
R319288	2.60	<5	0.01	8.15	5.1	130	0.62	0.09	5.96	0.05	27.6	39.4	121	5.25	6.0
R319289	1.94	<5	<0.01	8.51	6.9	180	0.33	0.07	6.47	0.03	14.15	45.6	48	7.72	3.3
R319290	1.92	<5	0.01	8.28	3.9	120	0.24	0.02	7.24	0.06	15.35	49.4	81	3.25	7.8
R319291	2.11	<5	<0.01	7.38	5.4	340	0.27	0.05	5.44	0.02	10.80	57.4	385	6.97	1.6
R319292	1.78	<5	0.01	7.76	6.1	320	0.77	0.01	3.81	<0.02	29.0	34.4	94	1.92	2.5
R319293	1.80	<5	0.01	7.20	5.5	220	0.75	0.03	3.98	0.04	26.8	34.6	84	5.35	3.8
R319294	0.84	<5	<0.01	6.87	4.7	70	1.95	0.07	2.35	<0.02	85.0	38.0	5	0.57	3.9
R319295	0.73	<5	<0.01	6.93	4.7	70	1.87	0.07	2.48	<0.02	96.4	35.3	5	0.47	3.7

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319261A	9.29	19.40	0.10	3.7	0.063	0.14	21.4	20.5	4.48	2360	0.64	2.27	12.3	56.9	980
R319261B	9.11	19.60	0.10	3.9	0.070	0.14	21.2	19.4	4.36	2280	0.60	2.22	12.3	56.9	960
R319262	9.27	20.9	0.11	3.7	0.074	0.07	22.1	22.3	3.94	2280	0.62	2.89	12.3	58.1	970
R319263	8.57	17.65	0.10	3.0	0.088	0.02	17.4	14.3	3.16	2000	0.72	1.70	9.4	50.7	800
R319264	6.59	12.95	0.09	2.0	0.062	<0.01	10.4	11.3	1.90	1360	0.67	0.37	6.2	31.7	530
R319265	8.53	15.50	0.10	2.6	0.061	0.13	13.2	15.5	3.63	2030	0.62	1.46	7.7	43.5	670
R319266	8.96	19.05	0.11	3.0	0.068	1.26	13.9	20.8	4.57	2460	0.48	2.51	8.5	53.1	760
R319267	9.36	18.50	0.10	2.8	0.071	0.72	13.6	17.9	4.09	2260	0.49	2.63	7.8	49.5	740
R319268	2.22	7.53	0.13	1.5	0.018	0.78	10.4	4.8	0.59	320	0.42	1.20	2.6	17.6	170
R319269	8.14	17.80	0.13	2.7	0.079	1.62	13.3	27.0	4.27	2290	1.68	1.60	7.5	98.2	550
R319270	7.72	16.60	0.10	1.5	0.065	0.64	7.1	12.6	2.30	1860	0.59	0.49	3.6	88.7	290
R319271	8.32	16.10	0.12	1.8	0.059	1.50	7.9	23.5	5.14	2650	0.41	1.17	4.6	140.0	380
R319272	8.86	17.95	0.10	1.6	0.078	0.27	8.3	15.5	3.84	2230	0.47	0.21	4.2	104.0	350
R319273	6.16	9.30	0.10	0.7	0.056	0.01	4.1	18.5	2.36	1680	2.10	0.15	1.8	44.7	160
R319274	8.28	16.15	0.13	1.7	0.061	2.36	7.2	22.0	5.10	3000	0.49	1.62	4.3	128.5	360
R319275	7.75	15.10	0.16	1.7	0.046	2.50	7.0	22.2	4.61	2620	0.35	1.67	4.3	118.0	340
R319276	4.75	17.20	0.16	0.2	0.172	2.33	14.4	29.3	0.70	1050	20.5	0.65	4.0	18.8	700
R319277	8.13	17.05	0.14	1.8	0.060	2.73	7.4	22.9	4.77	2530	0.38	1.18	4.6	123.5	360
R319278	6.48	12.65	0.07	1.3	0.055	0.04	6.8	14.1	2.24	1850	0.68	0.60	3.3	88.2	270
R319279	8.12	18.20	0.13	1.8	0.049	1.45	7.0	24.9	5.20	2410	0.33	1.56	4.7	127.0	350
R319280	8.54	15.50	0.12	1.1	0.046	1.11	3.4	34.9	5.67	2330	0.36	1.50	1.6	192.0	310
R319281	8.19	15.45	0.08	1.0	0.052	0.69	3.1	38.1	5.51	2510	0.50	1.16	1.5	203	290
R319282	7.76	14.80	0.08	1.1	0.047	1.21	3.3	37.3	5.35	2440	0.34	1.57	1.7	184.5	300
R319283	7.65	14.70	0.10	1.0	0.043	0.87	3.1	36.1	5.10	2250	0.34	1.19	1.6	168.5	260
R319284	7.28	18.05	0.11	2.5	0.057	0.02	15.9	32.4	4.88	1740	0.55	0.71	7.9	72.4	450
R319285	6.35	16.05	0.08	1.7	0.069	0.20	9.0	27.4	2.66	1280	0.71	0.54	4.3	61.4	320
R319286	9.92	27.8	0.91	3.8	0.031	2.21	740	22.8	1.09	875	19.75	0.05	50.1	8.1	1190
R319287	7.11	17.90	0.11	2.7	0.057	0.47	8.4	15.6	4.08	503	0.57	2.96	5.9	139.5	680
R319288	7.01	18.00	0.10	2.4	0.065	0.72	13.9	22.0	4.52	679	0.74	2.45	5.8	129.0	680
R319289	7.09	15.65	0.10	1.5	0.068	1.06	7.3	18.8	4.37	608	0.39	1.80	6.5	204	340
R319290	7.11	16.45	0.10	1.6	0.044	0.42	7.8	11.5	4.63	860	0.30	1.80	6.5	196.0	330
R319291	7.08	14.50	0.08	1.2	0.039	1.26	5.3	74.3	6.71	1060	0.28	1.15	3.5	267	290
R319292	5.79	15.75	0.11	2.4	0.041	0.98	13.4	18.9	4.04	623	0.20	3.57	5.4	110.5	650
R319293	5.47	16.65	0.10	2.3	0.052	0.94	12.2	22.9	3.75	681	0.46	2.84	5.1	114.0	650
R319294	8.19	19.00	0.15	7.0	0.023	0.54	43.0	22.9	2.87	457	0.58	3.66	41.3	12.7	950
R319295	8.50	18.55	0.15	6.8	0.033	0.53	49.4	21.4	2.65	460	0.57	3.72	40.7	11.1	990

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319261A		10.5	2.9	<0.002	<0.01	0.21	43.1	1	1.0	164.0	0.82	<0.05	3.3	0.771	0.02	0.9
R319261B		10.6	2.9	<0.002	<0.01	0.19	42.4	1	1.0	161.5	0.84	<0.05	3.5	0.766	0.03	1.0
R319262		9.7	1.5	<0.002	<0.01	0.26	45.4	1	1.0	149.5	0.80	<0.05	3.3	0.760	<0.02	0.9
R319263		15.6	0.5	<0.002	<0.01	0.28	41.1	<1	0.9	300	0.64	<0.05	2.7	0.646	<0.02	1.0
R319264		18.0	0.1	<0.002	<0.01	0.27	34.8	<1	0.6	356	0.41	<0.05	1.8	0.471	<0.02	0.8
R319265		12.6	3.5	<0.002	<0.01	0.23	41.4	1	0.8	287	0.53	<0.05	2.2	0.590	0.04	0.9
R319266		9.5	35.0	<0.002	<0.01	0.22	48.5	1	0.8	110.0	0.56	<0.05	2.5	0.651	0.30	0.8
R319267		10.1	18.5	<0.002	<0.01	0.20	47.0	1	0.8	171.0	0.52	<0.05	2.3	0.653	0.16	0.8
R319268		6.8	23.8	<0.002	<0.01	0.14	7.4	<1	0.5	168.0	0.20	<0.05	2.3	0.197	0.13	0.5
R319269		17.5	60.3	<0.002	<0.01	0.34	40.3	1	1.1	180.5	0.52	0.08	3.5	0.515	0.49	1.5
R319270		20.1	16.9	<0.002	<0.01	0.31	34.4	<1	0.6	484	0.25	<0.05	1.7	0.356	0.14	0.9
R319271		13.4	34.4	<0.002	0.02	0.24	42.8	1	0.7	260	0.33	<0.05	2.0	0.458	0.35	0.9
R319272		23.9	6.0	<0.002	0.11	0.26	38.5	3	0.9	438	0.28	0.05	2.0	0.407	0.05	1.2
R319273		19.4	0.2	<0.002	1.26	0.33	15.3	13	0.5	257	0.11	<0.05	0.8	0.180	<0.02	0.7
R319274		13.7	57.3	<0.002	0.01	0.24	39.8	1	0.6	201	0.30	<0.05	1.9	0.434	0.52	0.9
R319275		10.6	65.0	<0.002	<0.01	0.24	40.0	<1	0.6	166.0	0.29	<0.05	1.9	0.404	0.59	0.8
R319276		72.1	91.9	0.181	2.74	1.91	7.5	4	1.9	188.5	0.32	0.64	4.3	0.170	1.52	1.0
R319277		13.5	67.6	<0.002	0.01	0.30	41.2	<1	0.6	202	0.31	<0.05	1.9	0.429	0.69	0.8
R319278		14.8	1.0	<0.002	0.03	0.26	30.4	1	0.5	382	0.23	<0.05	1.6	0.327	<0.02	0.6
R319279		9.5	30.9	<0.002	0.01	0.28	43.0	1	0.8	176.5	0.32	<0.05	2.0	0.427	0.34	0.8
R319280		6.5	40.8	<0.002	<0.01	0.24	39.1	<1	0.3	158.5	0.11	<0.05	0.2	0.412	0.35	0.1
R319281		16.4	15.4	<0.002	0.03	0.57	36.7	4	0.3	298	0.11	0.35	0.2	0.390	0.19	0.4
R319282		13.0	45.0	<0.002	<0.01	0.49	40.7	1	0.3	218	0.11	0.09	0.2	0.404	0.41	0.3
R319283		11.4	30.8	<0.002	<0.01	0.38	37.5	1	0.3	178.0	0.11	0.10	0.2	0.366	0.30	0.2
R319284		17.1	0.8	<0.002	<0.01	0.31	37.5	1	1.1	254	0.51	<0.05	3.8	0.435	<0.02	1.9
R319285		11.1	1.6	<0.002	<0.01	0.28	41.8	<1	0.9	343	0.29	<0.05	1.8	0.339	<0.02	0.7
R319286		21.3	181.5	0.104	0.09	1.04	8.5	9	7.7	18.8	2.15	0.09	35.9	0.314	0.66	368
R319287		2.3	13.8	<0.002	<0.01	0.83	26.4	1	3.5	291	0.37	<0.05	0.9	0.556	0.12	1.2
R319288		3.5	38.0	<0.002	<0.01	0.80	29.4	1	1.5	232	0.35	<0.05	0.9	0.540	0.28	0.5
R319289		2.3	32.0	<0.002	<0.01	1.73	34.3	<1	2.4	257	0.31	<0.05	0.8	0.373	0.31	0.4
R319290		3.0	11.7	<0.002	<0.01	0.15	39.1	<1	0.4	247	0.32	<0.05	0.8	0.363	0.07	0.2
R319291		3.5	34.8	<0.002	<0.01	0.46	40.9	<1	0.3	175.0	0.16	<0.05	0.5	0.375	0.22	0.1
R319292		2.9	40.1	<0.002	<0.01	0.26	27.6	<1	0.9	308	0.33	<0.05	0.9	0.478	0.26	0.6
R319293		3.8	29.2	<0.002	<0.01	0.30	24.5	1	0.7	310	0.31	<0.05	0.7	0.426	0.26	0.3
R319294		4.7	26.5	0.002	<0.01	0.72	26.6	1	3.7	137.0	2.70	<0.05	9.5	0.828	0.19	2.0
R319295		4.2	27.8	<0.002	<0.01	0.73	26.8	1	3.7	137.5	2.66	<0.05	9.6	0.842	0.20	2.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319261A	265	0.5	30.0	304	130.0	5.17	3.40	1.24	4.82	1.05	0.47	20.2	4.65	4.37	0.75
R319261B	258	0.6	30.4	298	128.5	5.44	3.43	1.32	5.03	1.09	0.49	20.2	4.67	4.37	0.77
R319262	276	0.7	32.5	257	130.0	5.46	3.50	1.35	5.07	1.09	0.49	21.3	4.92	4.77	0.79
R319263	234	0.5	28.0	185	103.0	4.73	3.07	1.09	4.29	0.96	0.43	17.1	3.91	3.79	0.66
R319264	181	0.3	20.3	77	71.7	3.43	2.26	0.81	3.11	0.71	0.32	11.3	2.55	2.66	0.48
R319265	249	0.4	26.2	227	86.8	4.34	2.84	1.00	3.87	0.90	0.41	14.5	3.26	3.21	0.63
R319266	264	0.6	28.2	314	97.3	4.77	3.19	1.02	4.33	0.98	0.45	15.2	3.45	3.60	0.66
R319267	276	0.7	27.5	255	91.2	4.64	3.03	1.10	4.13	0.94	0.44	14.7	3.31	3.51	0.67
R319268	58	0.2	6.9	25	51.7	1.38	0.81	0.45	1.52	0.26	0.12	10.0	2.49	1.86	0.25
R319269	171	0.6	25.1	307	88.8	4.16	2.72	0.86	3.70	0.85	0.39	13.9	3.27	3.18	0.59
R319270	218	0.3	17.2	140	46.1	3.03	2.02	0.67	2.49	0.62	0.31	7.6	1.74	2.00	0.41
R319271	248	0.4	21.4	355	58.9	3.46	2.42	0.73	2.84	0.74	0.34	8.7	1.97	2.21	0.47
R319272	198	0.5	20.4	250	53.2	3.30	2.35	0.71	2.85	0.70	0.37	8.8	1.97	2.30	0.45
R319273	130	1.7	11.8	109	21.4	1.85	1.28	0.38	1.65	0.40	0.19	4.4	1.00	1.13	0.27
R319274	221	0.4	18.8	374	55.2	3.32	2.24	0.66	2.75	0.69	0.33	8.1	1.81	2.10	0.46
R319275	220	0.4	18.1	313	53.7	3.34	2.33	0.63	2.67	0.68	0.33	7.9	1.81	2.08	0.45
R319276	66	6.3	8.2	669	4.5	1.80	0.90	0.83	2.37	0.30	0.11	14.7	3.51	3.02	0.31
R319277	228	0.4	19.9	324	57.8	3.43	2.27	0.69	2.73	0.70	0.34	8.4	1.89	2.20	0.46
R319278	152	0.3	15.5	124	42.1	2.85	1.82	0.62	2.40	0.57	0.26	7.3	1.60	1.76	0.39
R319279	238	0.5	20.1	337	60.2	3.44	2.31	0.64	2.70	0.71	0.34	8.2	1.82	2.11	0.45
R319280	222	0.5	15.4	343	30.9	2.85	1.93	0.64	2.33	0.59	0.29	5.3	1.04	1.65	0.39
R319281	222	0.6	13.9	375	26.9	2.58	1.73	0.61	2.08	0.53	0.24	4.8	0.95	1.40	0.34
R319282	207	0.5	15.2	369	31.2	2.80	1.86	0.64	2.24	0.58	0.28	5.4	1.05	1.54	0.38
R319283	200	0.5	14.3	349	27.4	2.63	1.66	0.59	2.09	0.53	0.26	4.9	0.97	1.44	0.35
R319284	169	0.7	22.5	221	85.4	4.09	2.54	0.89	3.68	0.80	0.37	16.0	3.80	3.32	0.58
R319285	157	0.3	19.4	105	55.2	3.44	2.26	0.72	2.95	0.67	0.31	10.1	2.28	2.37	0.48
R319286	71	19.1	128.5	20	114.5	25.8	14.25	7.27	31.5	4.70	1.70	428	130.0	47.9	4.24
R319287	189	0.7	19.0	33	92.8	3.59	2.07	0.92	3.36	0.69	0.29	12.8	2.74	3.09	0.52
R319288	219	0.6	18.4	39	78.9	3.41	2.09	0.91	3.26	0.66	0.26	14.1	3.25	3.11	0.50
R319289	223	0.8	13.7	37	54.1	2.68	1.70	0.65	2.33	0.53	0.24	8.0	1.83	1.82	0.37
R319290	220	0.6	15.6	45	56.5	2.87	1.93	0.77	2.58	0.59	0.26	8.9	2.01	2.08	0.39
R319291	230	0.6	14.7	107	33.2	2.62	1.79	0.57	2.28	0.54	0.24	7.1	1.47	1.77	0.37
R319292	190	3.1	17.1	48	88.9	3.39	2.10	0.76	3.24	0.67	0.28	13.4	3.27	2.96	0.48
R319293	190	2.3	15.2	49	85.3	3.03	1.79	0.85	3.02	0.60	0.25	13.3	3.23	2.89	0.45
R319294	232	0.9	34.0	58	254	6.43	3.78	1.58	6.52	1.22	0.49	36.2	9.59	7.03	0.99
R319295	235	0.8	34.6	55	258	6.35	3.73	1.64	6.73	1.19	0.49	41.0	10.80	7.77	0.99

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

Sample Description	Method	MF-MS61r	MF-MS61r	Cu-OC62
	Analyte	Tm	Yb	Cu
	Units	ppm	ppm	%
	LOR	0.01	0.03	0.001
R319261A		0.48	3.21	
R319261B		0.50	3.38	
R319262		0.49	3.50	
R319263		0.43	3.03	
R319264		0.32	2.23	
R319265		0.42	2.81	
R319266		0.44	3.15	
R319267		0.44	3.01	
R319268		0.11	0.80	
R319269		0.40	2.71	
R319270		0.29	2.09	
R319271		0.35	2.40	
R319272		0.33	2.42	
R319273		0.19	1.33	5.01
R319274		0.31	2.25	
R319275		0.33	2.24	
R319276		0.11	0.81	
R319277		0.34	2.36	
R319278		0.25	1.84	
R319279		0.34	2.40	
R319280		0.28	1.95	
R319281		0.26	1.73	
R319282		0.27	1.84	
R319283		0.26	1.73	
R319284		0.37	2.66	
R319285		0.32	2.19	
R319286		1.99	13.60	
R319287		0.31	2.05	
R319288		0.28	1.91	
R319289		0.24	1.64	
R319290		0.27	1.84	
R319291		0.24	1.69	
R319292		0.30	2.00	
R319293		0.27	1.79	
R319294		0.52	3.50	
R319295		0.53	3.40	

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 23-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036357

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	Cu-OG62	ME-MS61r	ME-OG62

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE SD15036361

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 13-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

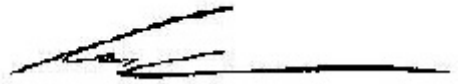
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
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Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319296A	1.90	<5	0.06	7.52	4.6	90	1.21	0.09	2.29	0.02	96.8	46.6	9	6.67	2.7
R319296B	<0.02	<5	0.03	7.17	5.1	80	1.20	0.09	2.19	0.02	93.1	43.8	8	6.42	3.1
R319297	0.69	<5	0.02	5.59	12.1	20	0.41	0.28	7.74	0.19	58.8	12.7	54	0.58	3.3
R319298	0.71	7	0.01	7.71	5.9	170	0.60	0.18	3.46	<0.02	32.9	42.3	43	0.78	2.0
R319299	2.10	11	0.02	6.65	9.6	50	0.42	0.29	8.77	0.02	25.9	38.4	90	0.20	1.8
R319300	1.80	<5	0.01	6.72	9.9	160	0.52	0.33	8.46	0.02	24.5	47.2	98	3.02	0.9
R319301	1.46	26	0.02	5.03	7.5	50	1.04	0.29	7.49	0.02	27.1	48.6	65	0.68	8.7
R319302	0.67	19	0.11	5.67	2.5	390	1.88	0.22	3.26	0.03	44.9	7.0	13	2.44	193.5
R319303	0.15	<5	0.04	3.28	2.0	250	0.46	0.03	1.39	0.07	20.8	5.9	53	0.55	10.6
R319304	1.73	<5	<0.01	6.42	1.6	540	2.05	0.03	2.07	0.03	50.0	2.6	9	1.69	5.1
R319305	2.20	6	0.02	6.63	4.7	720	2.01	0.03	2.37	0.21	56.0	2.8	8	1.81	2.9
R319306	2.12	8	0.05	6.80	6.6	800	2.03	0.04	2.34	0.35	62.2	3.4	9	2.06	6.7
R319307	0.61	11	0.06	6.93	8.5	860	2.29	0.08	2.48	0.03	58.9	3.8	9	1.98	11.4
R319308	0.64	36	0.14	6.93	16.7	780	2.15	0.18	2.01	0.11	67.2	57.3	8	2.48	15.2
R319309	0.61	25	0.05	6.81	9.4	870	2.22	0.13	2.04	0.11	57.3	21.9	8	2.35	4.6
R319310	1.98	191	0.03	6.59	9.1	810	1.94	0.05	2.28	0.20	62.2	7.7	10	2.21	3.4
R319311	0.04	308	2.12	7.77	29.1	380	0.92	0.75	1.19	3.44	32.1	11.6	27	9.68	2290
R319312	1.88	7	0.05	7.03	6.9	770	2.00	0.08	2.51	0.49	65.1	15.6	9	2.47	6.0
R319313	2.05	<5	0.01	6.78	2.5	810	2.03	0.04	2.32	0.09	51.5	6.4	9	2.52	3.5
R319314	0.72	<5	0.01	6.38	1.8	390	1.89	0.06	2.88	0.03	66.3	10.4	28	2.41	41.4
R319315	1.26	<5	0.02	6.25	8.2	80	0.66	0.42	7.86	0.02	23.0	48.5	79	2.69	42.6
R319316	2.32	<5	0.01	5.49	8.8	50	0.44	0.67	9.45	0.02	19.00	52.8	68	0.67	5.6
R319317	1.05	<5	0.02	5.84	10.8	20	0.42	0.56	11.10	<0.02	20.9	50.1	68	0.27	3.1
R319318	1.01	<5	0.12	5.04	8.2	10	0.54	0.85	10.55	<0.02	17.60	54.2	78	0.19	99.3
R319319	1.86	<5	0.03	4.27	7.9	30	0.51	0.49	9.05	<0.02	26.6	55.2	52	0.24	18.0
R319320	1.12	<5	0.04	5.28	9.0	100	0.78	0.52	7.77	<0.02	26.7	50.7	212	3.09	6.0
R319321	<0.02		0.51	5.42	15.3	180	6.15	0.42	1.15	0.04	>500	49.9	27	2.34	425
R319322	0.53	13	0.90	6.15	4.7	450	2.40	1.48	3.23	0.05	43.0	18.6	29	2.49	2670
R319323	1.83	<5	0.12	6.00	2.6	630	2.49	0.07	1.68	0.03	42.7	2.9	7	1.65	73.7
R319324	1.99	10	0.05	5.96	3.8	740	2.74	0.09	1.81	0.18	61.7	1.2	11	1.55	10.2
R319325	1.74	6	0.04	5.89	2.1	720	2.71	0.19	1.78	0.05	53.7	0.9	11	1.32	11.9
R319326	1.70	5	0.01	5.74	1.9	830	2.91	0.10	2.04	0.05	43.9	0.9	9	1.59	10.2
R319327	2.17	7	0.03	6.11	4.8	420	2.57	0.06	1.76	0.12	41.5	2.1	12	1.29	73.2
R319328	1.81	<5	0.05	6.04	3.6	390	2.50	0.03	1.61	0.22	52.9	2.3	11	1.33	20.4
R319329	0.69	<5	0.04	5.93	3.1	330	2.41	0.04	1.40	0.21	53.8	1.4	8	1.19	10.7
R319330	0.59	<5	0.01	6.10	3.4	340	2.48	0.03	1.40	0.19	53.5	1.2	8	1.23	10.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319296A	7.44	21.3	0.13	6.6	0.055	1.24	44.4	33.6	3.89	572	0.64	3.59	41.3	18.8	1090
R319296B	7.10	20.8	0.11	6.3	0.052	1.18	43.2	31.0	3.72	557	0.55	3.42	39.1	18.9	1050
R319297	6.52	18.45	0.07	3.0	0.105	0.59	23.3	13.0	1.29	797	2.07	0.06	17.3	29.7	860
R319298	7.62	18.05	0.07	3.9	0.029	1.82	13.1	15.1	3.72	617	0.56	3.66	24.6	51.8	830
R319299	6.67	17.80	0.05	1.8	0.127	0.24	10.6	17.2	4.23	1260	0.34	2.03	8.3	100.0	640
R319300	8.02	18.90	<0.05	1.9	0.138	0.80	10.2	23.2	5.45	1490	0.34	1.28	8.2	108.0	570
R319301	6.88	14.95	<0.05	1.4	0.136	0.17	12.8	13.9	5.40	1560	0.58	1.78	6.7	100.5	390
R319302	1.70	14.90	0.08	3.4	0.025	1.28	19.9	21.7	0.53	552	0.61	2.34	32.3	11.2	70
R319303	2.23	7.19	0.05	1.4	0.014	0.78	9.7	4.3	0.61	323	0.26	1.22	2.8	17.8	190
R319304	1.02	15.30	0.12	3.7	0.005	1.65	23.2	4.6	0.22	322	0.63	2.58	29.6	5.5	130
R319305	1.17	16.80	0.12	3.7	0.007	2.04	26.4	5.2	0.23	364	0.78	2.30	22.6	5.4	230
R319306	1.26	17.85	0.14	3.9	0.011	2.18	29.9	5.4	0.24	369	1.13	2.18	23.0	6.2	230
R319307	1.31	16.75	0.15	4.0	0.007	2.19	28.8	5.9	0.25	373	0.98	2.17	26.9	5.2	230
R319308	1.40	16.60	0.15	3.8	0.006	2.11	32.9	5.9	0.22	286	2.41	2.33	26.3	5.3	220
R319309	1.36	16.25	0.16	3.8	0.008	2.27	27.8	5.5	0.25	269	1.00	1.95	26.0	4.8	210
R319310	1.24	16.60	0.15	3.7	0.010	2.17	31.4	5.7	0.25	295	1.22	1.98	22.6	4.6	200
R319311	5.15	17.75	0.09	0.2	0.178	2.48	14.3	33.4	0.75	1180	20.3	0.70	4.1	26.8	770
R319312	1.37	17.00	0.12	4.0	0.009	2.14	32.5	7.1	0.26	299	1.69	2.35	26.0	6.8	240
R319313	1.39	17.15	0.12	3.8	0.005	2.21	24.5	8.5	0.31	341	0.83	2.10	24.2	6.9	240
R319314	2.04	15.00	0.12	3.4	0.016	1.13	32.1	67.5	0.87	528	1.84	2.63	25.6	17.0	160
R319315	7.54	16.60	0.06	1.5	0.118	0.50	10.0	20.9	5.77	1200	2.15	1.61	7.1	95.6	440
R319316	8.00	14.20	<0.05	1.4	0.176	0.20	8.0	19.8	6.12	1520	0.85	0.96	6.6	105.5	510
R319317	9.08	14.55	0.05	1.5	0.177	0.09	9.0	14.7	5.93	1580	0.64	0.20	6.8	94.2	430
R319318	11.50	13.20	<0.05	1.3	0.168	0.08	7.9	11.6	6.29	1720	5.32	0.19	6.0	98.6	360
R319319	7.81	11.90	<0.05	1.9	0.154	0.08	11.8	11.2	6.12	1480	0.70	0.59	6.6	97.2	630
R319320	6.75	14.60	<0.05	2.0	0.129	0.53	11.4	14.0	5.18	1300	1.71	1.25	7.3	242	640
R319321	10.35	27.4	0.61	3.2	0.036	2.29	800	21.5	1.16	962	18.90	0.05	49.7	8.2	1270
R319322	2.17	16.00	0.10	3.5	0.031	1.40	19.4	24.1	0.74	501	37.8	2.37	34.6	22.9	90
R319323	0.72	15.65	0.11	3.8	0.008	1.61	19.0	3.1	0.14	276	19.05	2.45	36.6	4.7	60
R319324	0.63	16.70	0.14	3.9	0.013	1.78	26.2	1.7	0.09	278	2.19	2.35	40.9	3.1	40
R319325	0.58	16.95	0.16	3.8	0.010	1.68	23.8	1.8	0.09	295	1.61	2.34	39.7	3.0	40
R319326	0.63	15.90	0.14	3.7	0.011	1.95	18.7	1.8	0.09	315	0.96	1.84	39.5	3.1	30
R319327	0.68	15.65	0.16	3.8	0.009	1.36	18.1	3.4	0.11	259	1.35	2.91	35.3	5.0	60
R319328	0.58	15.60	0.15	3.9	0.010	1.39	23.1	2.5	0.11	219	0.85	2.90	35.8	4.0	40
R319329	0.56	15.00	0.16	4.1	0.012	1.32	26.9	3.9	0.11	193	0.64	2.86	35.5	4.5	40
R319330	0.53	15.50	0.16	4.3	0.007	1.35	26.4	3.8	0.11	187	0.65	2.94	35.8	4.6	50

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319296A		4.7	88.8	<0.002	<0.01	0.62	30.1	1	3.6	128.0	2.65	<0.05	11.3	0.926	0.53	2.3
R319296B		4.3	87.4	<0.002	<0.01	0.59	28.6	1	3.4	122.5	2.57	0.05	10.8	0.879	0.52	2.2
R319297		14.8	22.7	<0.002	<0.01	0.83	26.5	<1	1.1	798	1.13	0.08	4.0	0.593	0.16	1.3
R319298		4.1	92.8	<0.002	<0.01	1.04	33.4	1	1.2	192.0	1.45	0.08	4.8	0.751	0.63	1.0
R319299		4.9	9.2	<0.002	<0.01	1.28	26.1	<1	1.3	183.0	0.51	<0.05	1.6	0.582	0.08	2.0
R319300		4.7	60.9	<0.002	<0.01	1.26	27.7	<1	2.0	206	0.53	<0.05	1.6	0.610	0.37	3.4
R319301		4.9	10.1	<0.002	<0.01	1.44	18.6	1	4.9	118.5	0.39	<0.05	1.2	0.437	0.07	7.3
R319302		10.5	64.2	<0.002	0.03	0.45	2.6	1	2.0	98.5	3.88	<0.05	27.6	0.076	0.42	4.8
R319303		6.2	23.2	<0.002	<0.01	0.13	7.1	<1	0.4	171.0	0.20	<0.05	2.4	0.205	0.13	0.6
R319304		7.1	85.0	<0.002	0.02	0.27	2.3	<1	1.2	76.9	3.21	<0.05	25.3	0.079	0.48	4.0
R319305		12.3	92.5	<0.002	0.03	0.30	2.8	<1	1.5	59.9	2.17	<0.05	19.2	0.105	0.57	3.7
R319306		17.4	103.0	<0.002	0.04	0.40	3.2	<1	1.5	61.4	2.17	<0.05	19.6	0.112	0.62	4.1
R319307		9.3	104.0	<0.002	0.05	0.42	3.0	1	1.4	62.0	2.59	<0.05	20.0	0.135	0.64	4.3
R319308		58.4	109.0	0.004	0.48	0.62	3.3	1	1.5	62.2	2.52	<0.05	20.4	0.121	0.72	4.6
R319309		9.7	121.0	<0.002	0.24	0.37	2.8	1	1.3	42.5	2.55	<0.05	21.1	0.115	0.69	4.5
R319310		10.2	101.5	<0.002	0.12	0.36	2.9	<1	1.3	49.9	2.29	<0.05	20.1	0.101	0.65	4.6
R319311		81.2	95.9	0.211	2.98	1.86	7.6	5	1.9	202	0.30	0.61	4.6	0.185	1.40	1.0
R319312		19.6	105.0	<0.002	0.17	0.53	3.3	1	1.6	60.8	2.41	<0.05	20.0	0.131	0.67	4.6
R319313		5.1	105.5	<0.002	0.03	0.40	3.2	<1	1.5	64.0	2.33	<0.05	17.6	0.122	0.64	3.9
R319314		5.3	64.6	<0.002	0.01	0.56	6.3	<1	2.8	138.0	2.73	<0.05	23.0	0.152	0.35	4.4
R319315		4.3	37.1	<0.002	<0.01	1.40	22.0	1	2.1	157.5	0.44	<0.05	1.6	0.526	0.20	5.1
R319316		3.2	8.2	<0.002	<0.01	1.98	20.2	<1	1.9	142.5	0.40	<0.05	1.3	0.475	0.06	3.7
R319317		3.9	1.4	<0.002	<0.01	1.78	20.3	<1	1.5	160.5	0.42	<0.05	1.3	0.482	<0.02	2.6
R319318		5.3	1.3	<0.002	<0.01	1.40	17.6	1	4.9	150.0	0.38	<0.05	1.2	0.433	<0.02	2.4
R319319		4.0	1.9	<0.002	<0.01	1.55	18.3	<1	3.4	101.0	0.40	<0.05	2.7	0.455	<0.02	3.3
R319320		3.3	45.5	<0.002	<0.01	1.77	22.4	1	6.0	123.5	0.44	<0.05	2.2	0.600	0.28	3.3
R319321		21.9	190.0	0.096	0.10	0.97	8.6	8	7.5	20.5	1.98	0.12	37.4	0.340	0.66	395
R319322		20.7	73.6	0.003	0.34	2.49	4.5	9	1.4	102.5	4.12	0.12	30.7	0.091	0.48	6.6
R319323		11.0	75.8	0.002	0.03	0.68	1.6	1	1.1	99.5	4.23	<0.05	31.8	0.058	0.52	6.6
R319324		15.2	75.3	<0.002	0.04	0.34	1.8	<1	1.2	98.3	4.66	<0.05	31.7	0.053	0.49	7.4
R319325		13.0	73.3	<0.002	0.02	0.32	1.6	<1	1.0	97.0	4.50	<0.05	31.5	0.049	0.51	7.3
R319326		9.2	80.8	<0.002	0.02	0.29	1.6	<1	1.3	79.4	4.49	<0.05	30.1	0.050	0.61	6.9
R319327		32.1	69.5	<0.002	0.06	0.35	2.0	<1	1.5	101.0	4.01	<0.05	31.9	0.054	0.47	5.9
R319328		21.0	76.3	<0.002	0.04	0.32	1.5	<1	1.3	91.3	4.18	<0.05	32.6	0.050	0.50	4.8
R319329		35.4	70.8	<0.002	0.01	0.35	1.7	1	1.5	91.3	4.11	<0.05	30.4	0.047	0.48	4.9
R319330		27.8	73.0	<0.002	0.01	0.34	1.8	1	1.5	96.4	4.27	<0.05	31.0	0.048	0.50	5.1

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319296A	250	0.9	36.1	71	282	6.03	3.51	1.79	6.36	1.24	0.48	42.2	10.80	7.70	1.01
R319296B	240	0.8	34.5	68	272	5.84	3.35	1.69	6.17	1.18	0.47	40.5	10.35	7.57	0.97
R319297	93	1.8	18.8	18	126.0	3.21	1.71	1.34	3.62	0.64	0.22	24.4	5.89	4.45	0.56
R319298	245	0.8	21.5	62	172.0	3.48	2.15	1.07	3.34	0.73	0.30	15.7	3.72	3.51	0.57
R319299	65	0.8	13.9	73	78.3	2.46	1.40	0.91	2.61	0.52	0.19	12.8	2.91	2.78	0.40
R319300	110	0.7	15.6	99	80.1	2.67	1.60	0.97	2.71	0.56	0.22	12.8	2.88	2.83	0.42
R319301	81	0.5	20.0	105	58.8	2.92	1.85	0.83	2.71	0.63	0.23	12.7	3.05	2.81	0.44
R319302	17	0.3	15.9	28	92.5	2.61	1.63	0.26	2.43	0.53	0.30	15.7	4.51	2.97	0.40
R319303	60	0.1	6.9	24	54.1	1.20	0.70	0.45	1.30	0.25	0.11	10.0	2.49	1.76	0.20
R319304	14	0.4	15.4	18	115.0	2.42	1.55	0.24	2.33	0.50	0.30	17.7	4.98	3.04	0.39
R319305	20	0.6	15.1	33	134.0	2.49	1.55	0.39	2.42	0.51	0.28	19.7	5.59	3.31	0.40
R319306	21	0.6	16.3	34	143.5	2.59	1.63	0.46	2.68	0.54	0.28	21.8	6.24	3.71	0.44
R319307	21	0.7	17.0	24	142.5	2.74	1.69	0.48	2.79	0.57	0.27	20.6	5.87	3.50	0.45
R319308	22	0.8	17.0	22	136.5	2.74	1.66	0.48	2.87	0.57	0.28	23.4	6.80	3.88	0.46
R319309	20	0.7	16.5	24	135.0	2.59	1.66	0.42	2.64	0.55	0.28	20.1	5.65	3.48	0.43
R319310	20	0.5	16.2	29	129.0	2.60	1.64	0.44	2.71	0.54	0.28	21.5	6.31	3.59	0.44
R319311	72	4.9	8.7	750	4.7	1.63	0.82	0.89	2.17	0.31	0.10	15.2	3.62	3.08	0.30
R319312	23	0.7	16.7	42	147.5	2.64	1.73	0.49	2.77	0.58	0.28	22.9	6.51	3.82	0.45
R319313	23	0.6	15.7	29	140.0	2.42	1.62	0.41	2.40	0.52	0.29	18.7	5.20	3.22	0.39
R319314	38	0.6	17.3	57	107.0	2.75	1.67	0.43	2.89	0.56	0.28	22.5	6.55	3.87	0.46
R319315	138	1.0	14.8	75	66.8	2.42	1.52	0.93	2.43	0.52	0.22	11.5	2.62	2.47	0.39
R319316	97	0.8	12.7	83	63.3	2.10	1.24	0.80	2.14	0.45	0.18	10.3	2.31	2.33	0.34
R319317	119	0.8	12.3	78	63.8	2.11	1.26	0.80	2.20	0.45	0.18	10.8	2.42	2.33	0.34
R319318	130	1.7	11.5	87	56.6	1.93	1.17	0.71	1.96	0.42	0.17	9.5	2.15	2.11	0.31
R319319	149	1.0	16.4	77	78.9	2.64	1.68	0.72	2.47	0.56	0.24	13.4	3.15	2.86	0.41
R319320	156	1.2	17.9	78	85.1	2.93	1.77	0.90	2.85	0.61	0.25	14.0	3.17	3.05	0.47
R319321	76	16.8	135.5	20	123.5	23.8	13.15	7.57	29.4	4.74	1.74	436	138.5	51.0	4.24
R319322	17	0.4	20.6	48	94.6	2.85	1.96	0.20	2.54	0.61	0.34	15.9	4.48	3.17	0.44
R319323	6	0.3	16.5	11	101.5	2.49	1.67	0.13	2.45	0.54	0.34	16.0	4.52	3.05	0.42
R319324	6	0.3	22.6	18	104.5	3.37	2.15	0.19	3.30	0.71	0.39	23.2	6.52	4.32	0.56
R319325	3	0.3	21.1	9	102.0	3.19	2.09	0.17	3.10	0.67	0.39	19.8	5.60	3.87	0.54
R319326	3	0.4	19.8	9	99.8	3.06	2.02	0.16	2.90	0.64	0.38	17.1	4.69	3.45	0.50
R319327	6	0.3	17.2	9	103.0	2.75	1.70	0.17	2.65	0.56	0.34	16.2	4.47	3.30	0.45
R319328	5	0.2	15.9	9	103.5	2.56	1.62	0.14	2.60	0.52	0.32	19.5	5.59	3.59	0.43
R319329	5	0.3	17.5	12	93.9	3.09	2.01	0.13	3.19	0.58	0.34	20.3	5.71	3.86	0.48
R319330	5	0.3	17.7	13	95.6	2.92	2.01	0.13	3.06	0.60	0.37	19.6	5.55	3.75	0.47

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319296A		0.51	3.19
R319296B		0.49	3.03
R319297		0.24	1.46
R319298		0.30	1.98
R319299		0.22	1.28
R319300		0.23	1.48
R319301		0.27	1.60
R319302		0.26	1.83
R319303		0.11	0.71
R319304		0.26	1.74
R319305		0.26	1.73
R319306		0.25	1.75
R319307		0.27	1.73
R319308		0.26	1.80
R319309		0.25	1.77
R319310		0.26	1.79
R319311		0.12	0.75
R319312		0.28	1.80
R319313		0.26	1.77
R319314		0.27	1.84
R319315		0.22	1.38
R319316		0.19	1.13
R319317		0.19	1.19
R319318		0.17	1.10
R319319		0.26	1.57
R319320		0.25	1.63
R319321		1.92	11.95
R319322		0.32	2.22
R319323		0.29	2.08
R319324		0.35	2.48
R319325		0.33	2.39
R319326		0.33	2.40
R319327		0.29	2.10
R319328		0.28	1.93
R319329		0.31	2.35
R319330		0.31	2.39

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 22-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15036361

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE SD15039504

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

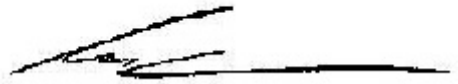
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319331A	0.54	<5	<0.01	6.51	12.1	270	2.58	0.12	1.86	0.02	82.9	9.6	32	2.02	12.5
R319331B	<0.02	<5	<0.01	6.68	13.8	270	2.55	0.12	1.90	0.02	88.0	9.7	33	2.06	10.5
R319332	1.88	<5	0.01	6.36	7.9	180	1.13	0.20	6.18	0.04	30.9	56.0	381	8.84	19.8
R319333	0.94	<5	<0.01	6.06	6.5	190	0.58	0.10	5.77	0.03	32.1	51.4	440	3.01	4.7
R319334	0.58	<5	<0.01	7.03	6.8	100	0.63	0.13	5.68	0.14	37.7	44.8	351	0.78	13.4
R319335	1.04	<5	<0.01	6.97	8.8	200	0.65	0.10	4.55	0.02	29.5	61.2	424	4.65	4.7
R319336	1.68	<5	0.06	6.84	4.9	140	0.65	0.17	6.73	0.03	31.6	58.2	480	1.86	358
R319337	0.72	<5	0.07	5.90	4.9	90	0.63	0.20	6.99	0.05	24.1	53.3	413	1.39	359
R319338	0.22	<5	<0.01	3.33	1.8	250	0.51	0.04	1.38	0.08	19.40	6.1	52	0.57	11.8
R319339	1.05	<5	<0.01	6.30	5.7	100	0.70	0.07	4.80	0.04	76.8	53.9	473	6.32	44.1
R319340	0.60	15	0.07	6.18	5.9	80	0.74	0.09	5.15	0.04	38.1	47.8	438	2.17	1250
R319341	0.71	<5	<0.01	6.38	14.4	100	1.83	0.11	3.34	0.03	14.00	8.7	90	1.80	5.5
R319342	1.98	<5	<0.01	6.29	3.1	120	2.27	0.04	2.46	0.02	49.4	8.0	68	3.01	4.9
R319343	1.73	<5	<0.01	5.98	1.7	130	2.54	0.02	1.39	<0.02	37.7	1.9	10	3.17	7.3
R319344	2.07	<5	<0.01	6.01	1.0	130	2.59	0.02	1.40	<0.02	42.7	2.3	13	3.01	3.4
R319345	1.83	<5	<0.01	6.34	1.6	170	2.14	0.01	1.81	<0.02	43.2	2.1	10	3.04	3.0
R319346	0.04	296	2.01	7.65	31.4	380	0.88	0.84	1.20	3.85	31.1	12.4	26	9.84	2280
R319347	0.92	<5	<0.01	6.24	4.2	150	2.04	0.02	2.10	0.02	44.2	4.9	17	2.50	3.0
R319348	0.80	<5	<0.01	4.34	7.1	40	0.43	0.08	7.17	0.02	42.0	69.1	343	1.36	2.3
R319349	1.62	<5	<0.01	5.98	12.1	260	0.63	0.12	6.94	0.04	55.9	50.1	492	2.79	1.5
R319350	0.56	<5	<0.01	6.71	9.7	280	0.95	0.12	6.27	<0.02	54.1	51.6	252	2.25	1.5
R319401	0.60	<5	<0.01	6.52	17.5	170	0.77	0.15	6.07	<0.02	66.7	52.0	226	3.67	1.7
R319402	1.08	<5	<0.01	6.64	14.0	130	0.70	0.10	4.70	0.02	34.5	56.5	320	3.75	1.8
R319403	2.30	<5	<0.01	7.84	19.1	370	1.61	0.10	5.65	0.02	123.0	42.0	67	3.79	12.0
R319404	2.14	<5	<0.01	7.51	13.6	490	1.47	0.14	5.15	<0.02	111.0	42.2	54	4.49	8.9
R319405	0.99	<5	<0.01	7.84	12.1	300	1.59	0.13	5.74	<0.02	120.0	44.9	52	4.58	7.8
R319406	<0.02	6	0.46	5.19	15.5	170	6.16	0.45	1.10	0.03	>500	46.6	27	2.34	407
R319407	0.64	<5	<0.01	6.75	8.5	170	1.25	0.12	5.50	0.02	107.5	54.4	378	5.23	4.6
R319408	2.05	<5	0.13	6.73	4.6	220	0.97	0.19	4.85	0.03	48.4	38.1	7	2.90	391
R319409	2.64	<5	0.11	7.15	10.8	790	1.64	0.29	5.22	<0.02	105.0	57.0	84	2.72	240
R319410	2.26	7	0.13	6.94	10.6	1200	1.92	0.30	4.84	<0.02	137.5	52.7	171	2.78	589
R319411	2.24	<5	0.11	7.02	7.6	500	1.99	0.17	5.82	<0.02	157.5	43.9	47	3.07	411
R319412	1.98	6	0.10	7.05	8.4	210	1.12	0.17	5.97	0.02	45.4	48.9	204	4.85	250
R319413	2.18	18	0.14	6.76	7.1	180	1.00	0.20	5.17	0.02	53.1	53.3	71	2.05	409
R319414	1.03	<5	0.07	6.35	7.4	220	0.99	0.11	4.65	0.02	51.1	51.2	62	3.16	222
R319415	0.80	<5	0.09	6.38	7.7	220	1.00	0.13	4.54	<0.02	52.4	59.2	63	3.47	268

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319331A	1.37	16.85	0.12	4.1	0.024	1.30	40.7	18.4	0.75	336	0.26	2.75	37.8	28.6	60
R319331B	1.40	17.10	0.12	4.2	0.024	1.33	43.0	19.0	0.77	346	0.20	2.80	38.5	29.4	50
R319332	7.61	22.7	0.12	2.5	0.091	1.83	14.5	62.0	6.64	924	0.43	0.53	10.5	318	670
R319333	8.26	19.10	0.08	2.8	0.063	0.88	14.0	25.0	6.50	899	0.40	1.53	9.3	381	760
R319334	8.21	23.7	0.06	2.7	0.070	0.34	17.4	19.4	5.19	809	0.38	2.70	9.9	271	770
R319335	8.91	24.0	0.09	3.1	0.048	0.63	12.5	48.9	6.58	766	0.52	2.03	11.2	354	840
R319336	8.79	22.7	0.07	3.5	0.069	0.26	13.8	20.9	5.93	1060	0.55	1.85	10.9	334	850
R319337	9.27	18.70	<0.05	2.6	0.085	0.21	10.9	11.8	6.01	1050	0.38	1.61	8.4	326	560
R319338	2.04	7.59	<0.05	1.5	0.019	0.81	10.5	4.6	0.61	300	0.22	1.27	2.9	18.7	180
R319339	8.20	20.1	0.12	3.0	0.064	1.19	39.5	32.0	6.50	964	1.23	2.39	10.1	310	850
R319340	7.95	19.10	0.05	3.4	0.069	0.50	16.7	28.9	6.33	820	3.17	2.61	11.5	275	960
R319341	1.45	16.10	0.07	4.4	0.006	0.98	6.2	8.8	0.88	468	0.29	2.77	35.8	54.3	180
R319342	1.41	17.40	0.09	4.6	0.009	0.83	22.7	10.7	0.76	307	0.41	3.13	33.2	45.9	140
R319343	0.62	16.15	0.07	4.7	0.005	0.95	17.3	4.8	0.14	137	0.24	3.21	35.4	8.5	90
R319344	0.72	15.80	0.06	4.5	0.005	0.97	21.0	6.2	0.17	148	0.22	3.04	32.8	10.5	90
R319345	0.73	17.00	0.09	4.7	<0.005	1.25	19.3	6.3	0.16	161	0.19	2.96	34.8	8.9	90
R319346	5.14	18.80	0.09	0.2	0.179	2.44	15.9	32.5	0.75	1140	21.6	0.72	4.3	18.9	730
R319347	1.22	16.15	0.10	4.7	<0.005	1.08	21.3	9.4	0.35	231	0.24	3.00	33.1	16.9	110
R319348	7.19	18.95	0.06	1.8	0.080	0.38	21.4	39.9	10.55	1360	0.27	0.35	4.8	589	430
R319349	8.73	20.1	0.12	2.6	0.081	1.85	26.2	10.4	5.65	995	0.30	1.30	7.9	407	660
R319350	7.11	20.2	0.09	3.2	0.068	1.59	25.6	25.5	5.73	965	0.38	1.94	10.0	328	860
R319401	7.98	18.95	0.12	4.0	0.064	1.67	29.9	39.9	5.50	979	0.42	1.78	12.5	300	1090
R319402	9.22	21.4	0.09	3.8	0.049	1.18	15.3	56.5	5.60	827	0.38	1.90	12.0	341	1020
R319403	9.83	22.6	0.18	8.3	0.040	1.46	56.7	41.7	3.79	633	0.80	2.68	60.3	161.0	3820
R319404	9.15	21.7	0.16	7.6	0.041	1.49	51.7	36.5	3.65	606	0.83	2.43	56.1	139.5	3560
R319405	9.41	23.2	0.17	8.5	0.045	1.04	55.5	34.1	3.87	673	0.80	2.81	61.8	137.5	3880
R319406	9.94	32.4	0.80	3.4	0.036	2.22	760	25.4	1.13	907	20.0	0.05	51.0	8.6	1190
R319407	10.70	22.9	0.15	5.3	0.064	1.05	52.0	35.2	5.06	905	0.51	2.17	30.4	251	2020
R319408	9.02	19.10	0.09	4.1	0.084	0.75	23.7	15.0	2.57	751	1.91	2.35	11.8	32.4	1010
R319409	9.09	21.8	0.14	9.1	0.083	1.43	51.3	30.6	3.37	991	3.72	2.12	51.1	79.8	3280
R319410	8.17	21.5	0.18	12.7	0.072	2.20	67.5	46.7	4.02	1040	2.90	1.63	69.6	127.5	4170
R319411	8.66	21.4	0.22	9.4	0.099	1.05	69.6	23.0	3.13	1060	3.73	2.38	78.1	42.6	5960
R319412	9.37	19.55	0.09	3.6	0.079	1.88	20.3	39.8	4.10	757	1.06	1.77	21.4	111.5	1310
R319413	9.33	16.85	0.09	4.1	0.089	0.70	23.0	18.1	3.66	909	2.66	2.69	19.6	64.7	1690
R319414	9.85	16.15	0.11	4.1	0.095	1.07	21.9	23.7	3.85	849	0.91	2.12	20.2	63.4	1700
R319415	10.15	16.65	0.09	4.2	0.093	1.08	22.2	28.4	4.07	854	0.95	2.05	20.6	64.7	1700

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319331A		5.5	79.6	<0.002	<0.01	0.80	5.2	1	2.7	148.0	4.36	<0.05	28.0	0.082	0.48	5.7
R319331B		5.4	81.0	<0.002	<0.01	0.82	5.3	1	2.7	151.0	4.48	<0.05	29.2	0.085	0.49	5.9
R319332		6.5	104.0	<0.002	<0.01	1.11	31.3	2	2.4	195.5	0.64	<0.05	1.2	0.872	0.82	1.5
R319333		2.9	56.3	<0.002	<0.01	0.61	23.6	1	1.0	267	0.58	<0.05	1.0	1.050	0.35	0.3
R319334		3.7	14.4	<0.002	<0.01	0.46	23.0	1	1.0	668	0.59	<0.05	1.0	1.070	0.10	0.2
R319335		2.8	31.2	<0.002	<0.01	0.42	27.6	1	1.1	366	0.67	<0.05	1.0	1.160	0.26	0.2
R319336		1.8	8.7	<0.002	0.01	0.31	27.6	2	1.1	403	0.67	<0.05	1.1	1.215	0.06	0.2
R319337		2.2	8.1	<0.002	0.01	0.26	22.3	1	0.9	555	0.52	<0.05	0.9	0.963	0.07	0.3
R319338		6.9	26.4	<0.002	<0.01	0.15	7.6	<1	0.5	173.5	0.22	<0.05	2.1	0.190	0.13	0.5
R319339		2.1	78.3	<0.002	<0.01	0.93	24.8	1	1.4	195.5	0.61	<0.05	1.4	0.976	0.52	1.0
R319340		2.1	26.7	0.002	0.10	0.79	25.6	2	1.3	226	0.70	<0.05	1.6	1.080	0.16	0.4
R319341		4.3	67.2	<0.002	<0.01	2.82	4.0	1	1.4	202	3.85	<0.05	26.1	0.134	0.36	5.3
R319342		4.3	52.7	<0.002	<0.01	0.69	4.0	1	1.9	177.5	3.46	<0.05	26.6	0.113	0.29	7.6
R319343		3.4	60.7	<0.002	<0.01	0.29	1.9	1	1.1	153.0	3.94	<0.05	26.5	0.041	0.35	6.8
R319344		3.0	63.7	<0.002	<0.01	0.31	2.0	1	1.1	143.5	3.54	<0.05	27.2	0.041	0.35	6.2
R319345		3.2	84.3	<0.002	<0.01	0.33	1.9	1	1.0	117.5	3.88	<0.05	28.6	0.043	0.47	6.1
R319346		73.3	94.3	0.185	2.90	2.09	7.9	5	2.0	202	0.34	0.63	4.5	0.175	1.52	0.9
R319347		3.8	68.5	0.002	<0.01	1.11	2.3	1	1.1	133.5	3.76	<0.05	29.1	0.050	0.40	5.8
R319348		2.0	19.0	<0.002	<0.01	1.07	15.9	1	0.8	135.5	0.30	<0.05	0.8	0.577	0.13	0.2
R319349		3.6	96.8	<0.002	<0.01	1.83	22.5	1	1.1	588	0.47	<0.05	1.1	0.865	0.57	0.4
R319350		2.7	79.8	<0.002	<0.01	0.98	19.9	1	1.4	391	0.62	<0.05	1.4	1.010	0.46	0.9
R319401		3.3	96.4	<0.002	<0.01	1.63	20.7	1	1.5	381	0.79	<0.05	1.8	1.155	0.61	0.7
R319402		2.7	67.1	<0.002	<0.01	1.47	21.4	1	1.3	400	0.72	<0.05	1.7	1.085	0.45	0.8
R319403		3.3	85.2	<0.002	<0.01	1.00	29.7	2	2.1	550	3.93	<0.05	3.9	2.14	0.55	1.5
R319404		2.7	90.3	<0.002	<0.01	0.87	27.4	2	1.8	484	3.65	<0.05	3.6	1.980	0.58	1.2
R319405		2.4	65.7	<0.002	<0.01	0.77	29.5	2	1.9	439	4.09	<0.05	4.0	2.14	0.40	1.0
R319406		21.5	180.5	0.095	0.09	1.10	9.2	9	7.6	20.5	2.06	0.10	31.9	0.318	0.67	365
R319407		2.3	80.6	<0.002	<0.01	1.05	27.5	1	1.5	317	1.98	<0.05	2.5	1.525	0.47	1.1
R319408		3.5	49.4	0.004	0.04	1.12	33.3	1	1.6	274	0.77	<0.05	5.4	0.747	0.27	1.9
R319409		3.0	73.2	0.002	0.08	1.34	31.7	2	2.0	308	3.45	0.05	10.6	1.250	0.39	2.3
R319410		3.4	102.5	0.002	0.09	1.52	29.0	3	2.1	277	4.68	<0.05	15.8	1.445	0.57	2.8
R319411		2.8	57.5	0.002	0.06	1.09	28.5	3	2.1	355	5.53	<0.05	5.8	1.800	0.35	1.7
R319412		2.4	76.8	0.002	0.02	1.75	31.4	1	1.3	129.5	1.61	0.06	1.4	1.155	0.36	0.8
R319413		1.9	34.2	0.002	0.07	0.96	46.0	2	1.4	266	1.25	0.06	2.0	1.170	0.18	0.6
R319414		2.2	55.4	0.003	0.03	1.09	49.5	2	1.1	203	1.30	<0.05	1.8	1.180	0.30	0.5
R319415		2.2	60.2	0.002	0.03	1.05	50.0	2	1.1	194.0	1.32	<0.05	1.8	1.200	0.31	0.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319331A	22	0.5	22.2	43	97.0	4.24	2.39	0.34	4.32	0.82	0.40	28.4	9.07	5.63	0.71
R319331B	23	0.6	23.4	42	99.8	4.34	2.51	0.36	4.51	0.84	0.43	30.1	9.50	5.73	0.73
R319332	249	1.5	18.2	95	89.2	3.82	2.08	1.22	3.72	0.74	0.29	15.8	3.88	3.91	0.62
R319333	262	0.9	17.5	47	103.5	3.74	1.82	1.51	4.26	0.70	0.21	18.0	4.25	4.50	0.64
R319334	277	0.5	18.1	35	97.7	3.97	1.83	2.16	4.98	0.73	0.20	22.1	5.08	5.44	0.72
R319335	278	0.7	19.5	45	106.0	4.23	2.03	1.66	4.75	0.79	0.23	18.7	4.13	4.91	0.74
R319336	315	0.4	20.0	62	124.5	4.33	2.09	1.72	4.83	0.82	0.24	19.4	4.37	5.07	0.73
R319337	201	0.2	16.0	52	90.1	3.48	1.69	1.60	3.94	0.67	0.20	15.3	3.34	4.08	0.61
R319338	60	0.2	7.4	24	53.6	1.39	0.80	0.47	1.48	0.28	0.13	9.2	2.52	1.85	0.23
R319339	268	0.7	20.3	57	111.5	4.66	2.08	2.01	6.37	0.81	0.23	35.9	9.56	8.12	0.88
R319340	288	0.5	19.6	41	124.0	4.24	2.07	1.84	4.96	0.77	0.23	22.6	5.16	5.45	0.73
R319341	34	0.6	20.6	23	112.0	3.51	2.18	0.29	2.77	0.73	0.36	7.1	1.76	2.38	0.51
R319342	30	0.5	20.7	21	121.5	3.65	2.38	0.30	3.33	0.75	0.43	18.6	5.53	3.98	0.58
R319343	10	0.3	15.3	6	116.0	2.81	1.83	0.17	2.56	0.58	0.37	14.6	4.33	3.13	0.45
R319344	10	0.3	16.1	7	115.5	2.97	1.87	0.19	2.86	0.61	0.35	16.4	4.90	3.48	0.50
R319345	10	0.3	15.9	7	120.5	2.96	1.89	0.17	2.80	0.62	0.35	16.0	4.79	3.40	0.48
R319346	72	5.6	9.3	690	4.9	1.91	0.96	0.95	2.57	0.35	0.13	14.9	3.79	3.24	0.36
R319347	14	0.4	17.0	16	115.5	3.17	1.97	0.22	3.09	0.64	0.38	17.7	5.30	3.72	0.51
R319348	186	0.6	11.5	63	66.9	2.38	1.18	1.29	2.78	0.46	0.14	19.1	4.97	3.55	0.42
R319349	254	0.6	17.6	49	96.5	4.15	1.72	2.58	5.71	0.71	0.19	31.6	7.50	7.16	0.76
R319350	243	1.0	19.2	52	114.0	4.30	2.10	1.99	5.23	0.81	0.25	27.9	7.05	6.09	0.75
R319401	252	1.1	22.5	54	147.5	5.07	2.41	2.21	5.99	0.93	0.28	35.4	8.94	7.24	0.87
R319402	249	1.0	21.3	52	144.0	4.50	2.20	1.66	4.87	0.84	0.25	20.5	4.69	5.32	0.75
R319403	347	2.2	36.6	44	352	7.79	3.77	3.18	9.64	1.47	0.47	61.3	15.50	11.95	1.38
R319404	323	2.1	33.8	41	321	7.30	3.52	2.94	8.94	1.36	0.45	56.6	14.10	10.85	1.29
R319405	344	1.9	37.3	44	356	7.81	3.85	3.20	9.52	1.49	0.50	59.4	15.25	11.90	1.40
R319406	73	17.7	132.5	20	126.0	27.5	14.70	7.95	32.8	5.33	1.94	392	130.5	51.7	5.27
R319407	322	1.0	27.1	63	218	5.91	2.75	2.81	7.63	1.09	0.35	52.8	13.50	9.57	1.09
R319408	308	1.1	29.6	39	143.0	5.36	3.32	1.33	5.06	1.14	0.51	22.4	6.02	5.00	0.83
R319409	272	3.9	36.7	63	357	7.10	3.94	2.54	7.84	1.42	0.57	48.2	12.85	9.33	1.20
R319410	236	4.1	34.6	82	480	7.22	3.68	3.02	8.69	1.36	0.49	59.7	16.20	10.75	1.25
R319411	235	3.5	55.7	51	430	10.30	5.56	4.38	13.20	1.91	0.73	77.4	19.35	14.85	1.70
R319412	357	1.5	27.4	55	136.0	4.92	2.83	1.77	5.56	0.96	0.38	23.3	5.70	5.25	0.76
R319413	360	1.0	36.5	53	176.0	6.27	3.96	1.85	6.60	1.27	0.58	27.3	6.80	6.12	0.93
R319414	372	1.0	38.2	44	178.0	6.57	4.13	1.88	6.73	1.34	0.60	26.7	6.57	6.05	0.97
R319415	386	1.1	38.7	46	175.5	6.39	3.99	1.81	6.68	1.31	0.59	27.3	6.86	6.22	0.93

***** See Appendix Page for comments regarding this certificate *****

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North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319331A		0.39	2.62
R319331B		0.38	2.67
R319332		0.31	1.93
R319333		0.24	1.39
R319334		0.25	1.45
R319335		0.28	1.62
R319336		0.28	1.71
R319337		0.23	1.34
R319338		0.12	0.82
R319339		0.28	1.64
R319340		0.27	1.63
R319341		0.35	2.39
R319342		0.39	2.75
R319343		0.32	2.23
R319344		0.31	2.22
R319345		0.30	2.20
R319346		0.13	0.83
R319347		0.32	2.29
R319348		0.16	0.95
R319349		0.23	1.39
R319350		0.29	1.73
R319401		0.32	1.95
R319402		0.30	1.77
R319403		0.52	3.17
R319404		0.50	3.00
R319405		0.54	3.29
R319406		2.19	13.45
R319407		0.39	2.34
R319408		0.50	3.30
R319409		0.58	3.65
R319410		0.52	3.28
R319411		0.76	4.91
R319412		0.39	2.54
R319413		0.57	3.84
R319414		0.60	4.06
R319415		0.58	3.92

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039504

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE SD15039502

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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CERTIFICATE OF ANALYSIS SD 15039502

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319416A	2.46	104	0.18	5.36	6.3	300	1.76	0.17	1.88	0.63	39.5	1.7	22	1.44	9.6
R319416B	<0.02	29	0.22	4.99	6.4	310	1.84	0.18	1.93	0.64	30.4	1.8	25	1.52	10.5
R319417	0.80	48	0.07	5.28	4.6	360	1.73	0.09	1.55	0.38	38.8	1.0	21	1.28	7.4
R319418	0.72	40	0.04	5.41	6.4	340	1.83	0.11	1.38	0.38	41.9	1.0	19	1.35	4.6
R319419	0.94	47	0.02	5.70	19.4	350	2.42	0.15	1.09	0.68	47.4	1.2	21	1.59	6.6
R319420	1.32	71	0.03	6.11	27.6	160	2.09	0.11	2.40	0.15	59.9	6.3	89	1.78	3.9
R319421	2.33	<5	0.03	7.07	7.0	280	1.32	0.28	4.98	0.03	52.0	28.1	19	2.49	48.3
R319422	1.98	26	0.01	6.56	10.5	220	2.17	0.11	4.11	0.02	38.3	16.2	63	2.00	11.8
R319423	0.25	<5	0.02	3.27	1.6	250	0.48	0.05	1.34	0.08	20.8	6.1	54	0.54	10.8
R319424	1.91	12	<0.01	6.40	4.3	200	1.86	0.05	0.94	0.03	11.70	4.0	14	1.34	2.0
R319425	2.12	5	0.03	6.15	11.7	110	2.97	0.20	5.16	<0.02	21.0	24.5	238	5.38	6.9
R319426	1.90	<5	0.01	5.83	6.3	130	1.43	0.17	6.64	<0.02	38.2	45.3	550	7.00	24.4
R319427	2.13	<5	0.01	5.42	10.5	120	0.59	0.09	6.23	<0.02	30.0	76.2	689	5.55	0.8
R319428	2.10	<5	<0.01	5.23	10.7	110	0.54	0.09	6.02	0.02	31.1	74.2	648	2.91	0.9
R319429	2.09	<5	<0.01	5.17	7.3	120	0.52	0.09	5.75	0.02	28.1	64.8	769	3.75	35.4
R319430	2.27	16	0.04	4.96	9.7	130	0.56	0.12	5.90	0.03	28.9	73.5	748	1.53	176.5
R319431	0.04	317	1.87	7.60	30.8	370	0.83	0.84	1.19	3.82	30.3	12.4	28	9.19	2240
R319432	2.75	<5	0.01	5.25	8.9	100	0.52	0.05	5.90	0.02	32.4	71.3	843	2.83	24.8
R319433	2.28	<5	<0.01	5.30	7.6	120	0.50	0.04	5.21	<0.02	28.8	73.8	879	3.07	2.6
R319434	2.02	<5	<0.01	5.10	10.2	100	0.50	0.06	5.93	0.02	31.5	69.8	832	2.72	19.7
R319435	2.02	7	0.01	7.07	11.8	380	1.20	0.07	5.69	0.06	87.7	45.4	252	3.05	262
R319436	1.76	<5	0.01	5.17	14.2	130	0.53	0.05	5.38	0.03	25.1	81.3	976	7.03	94.2
R319437	0.61	<5	0.18	5.68	5.4	580	1.57	0.12	1.23	0.03	53.3	2.9	23	1.21	15.6
R319438	1.33	<5	0.11	5.82	5.8	810	1.75	0.24	1.19	0.02	57.4	4.1	17	1.36	57.7
R319439	2.25	<5	0.04	5.39	2.0	400	1.59	0.09	2.35	0.03	28.5	6.8	17	1.76	14.4
R319440	2.40	<5	0.02	7.39	11.0	200	0.86	0.08	6.27	0.02	85.8	40.8	120	3.89	17.5
R319441	<0.02	5	0.46	5.18	16.3	170	6.19	0.48	1.11	0.05	>500	47.3	28	2.29	413
R319442	2.29	102	0.11	7.00	47.2	160	1.29	0.52	5.15	0.04	121.0	121.5	39	0.82	965
R319443	0.84	<5	0.02	5.12	9.1	210	0.72	0.09	5.38	0.02	35.1	80.1	829	0.70	60.0
R319444	1.45	<5	0.04	4.85	10.6	30	0.49	0.23	5.99	<0.02	21.6	79.5	869	0.20	108.5
R319445	2.19	<5	0.01	4.58	8.4	120	0.48	0.08	5.23	0.02	28.4	80.9	928	1.24	38.3
R319446	1.97	<5	<0.01	6.52	6.1	140	0.64	0.07	4.83	0.02	43.3	36.6	260	0.98	16.5
R319447	2.01	<5	<0.01	6.52	5.6	60	0.65	0.11	4.59	0.02	42.2	33.4	287	0.31	20.3
R319448	0.98	21	0.14	6.74	5.7	60	0.71	0.20	4.30	0.02	48.8	46.8	338	0.34	776
R319449	0.43	<5	0.05	6.40	11.1	1130	1.59	0.06	1.04	<0.02	31.8	6.8	20	1.42	52.9
R319450	0.40	<5	0.07	6.21	10.8	1080	1.56	0.07	1.23	<0.02	30.4	7.8	27	1.29	60.0

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039502

Method Analyte Units	ME-MS61r Fe %	ME-MS61r Ga ppm	ME-MS61r Ge ppm	ME-MS61r Hf ppm	ME-MS61r In ppm	ME-MS61r K %	ME-MS61r La ppm	ME-MS61r Li ppm	ME-MS61r Mg %	ME-MS61r Mn ppm	ME-MS61r Mo ppm	ME-MS61r Na %	ME-MS61r Nb ppm	ME-MS61r Ni ppm	ME-MS61r P ppm
	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R319416A	0.77	13.85	0.15	3.2	0.009	1.72	18.5	2.2	0.08	396	1.23	2.19	26.6	4.6	10
R319416B	0.79	14.55	0.14	3.4	0.012	1.79	13.7	2.4	0.07	411	1.41	2.30	27.4	4.8	10
R319417	0.69	13.85	0.15	3.2	0.010	1.74	17.6	1.9	0.07	413	1.32	2.17	29.8	4.4	20
R319418	0.74	14.15	0.16	3.2	0.011	1.77	19.7	2.1	0.07	367	1.42	2.22	29.1	3.2	10
R319419	0.74	13.40	0.19	3.3	0.006	1.70	22.9	2.0	0.08	236	1.40	2.37	31.7	3.4	20
R319420	3.40	16.15	0.15	3.2	0.010	1.16	29.5	19.7	0.87	707	1.85	2.37	26.9	64.7	230
R319421	8.31	19.25	0.14	3.8	0.074	0.74	24.0	21.1	2.70	889	1.04	2.38	13.2	65.2	1010
R319422	4.70	16.40	0.13	3.8	0.044	1.03	17.7	22.9	1.84	782	0.69	2.39	25.5	62.0	630
R319423	2.06	7.33	0.09	1.7	0.020	0.79	11.3	4.5	0.60	294	0.23	1.25	3.0	17.3	190
R319424	0.83	15.40	0.10	4.4	<0.005	1.59	4.6	3.4	0.14	160	0.77	2.82	34.4	6.2	120
R319425	4.07	18.30	0.14	3.6	0.053	1.30	10.3	41.0	2.85	1020	0.49	1.69	24.5	194.0	560
R319426	8.98	20.0	0.13	2.9	0.090	1.00	18.3	38.1	6.14	1200	0.47	1.24	8.3	454	680
R319427	9.55	19.15	0.13	2.7	0.070	0.95	12.9	29.3	9.21	1100	0.52	1.00	7.4	729	760
R319428	9.00	19.40	0.11	2.7	0.071	0.58	13.4	32.3	8.71	1100	0.50	1.05	7.3	662	760
R319429	8.01	16.85	0.10	2.7	0.055	0.75	11.9	33.3	8.94	1030	0.37	1.02	8.9	657	810
R319430	8.07	16.15	0.10	2.5	0.049	0.99	12.8	28.9	9.43	1180	0.42	0.55	8.7	689	750
R319431	5.16	17.25	0.11	0.2	0.172	2.44	15.1	30.8	0.75	1140	20.2	0.70	4.1	18.6	740
R319432	8.81	16.30	0.10	2.6	0.053	0.61	14.8	31.3	9.23	1000	0.38	0.89	9.2	740	810
R319433	9.03	15.95	0.10	2.5	0.054	0.52	12.5	21.5	9.53	978	0.28	0.99	8.4	774	780
R319434	8.98	15.90	0.10	2.6	0.053	0.55	13.7	28.4	9.31	1210	0.45	0.64	7.8	703	770
R319435	8.68	18.70	0.15	7.1	0.062	1.04	40.4	19.7	4.10	775	2.71	2.52	20.4	184.5	2150
R319436	9.34	16.20	0.11	2.5	0.058	0.93	10.7	38.7	10.80	1340	1.07	0.66	7.1	881	720
R319437	0.89	13.45	0.12	3.4	0.009	1.82	27.3	1.6	0.14	190	1.06	2.50	23.1	8.2	40
R319438	0.65	14.30	0.13	3.5	0.005	2.30	29.2	1.6	0.11	174	0.99	2.28	20.7	4.0	40
R319439	0.79	16.45	0.13	3.7	0.011	1.84	12.3	5.0	0.17	350	0.58	2.65	22.3	9.2	150
R319440	8.76	18.25	0.16	3.9	0.061	1.02	42.8	15.6	3.50	727	1.42	1.84	14.6	118.5	1600
R319441	9.65	30.8	0.84	3.4	0.039	2.19	760	25.8	1.13	896	19.25	0.05	50.2	8.3	1170
R319442	9.01	19.90	0.21	7.3	0.074	0.67	56.0	25.9	3.71	1320	5.14	3.51	57.1	174.5	3680
R319443	10.10	16.95	0.12	2.7	0.075	0.99	15.8	38.8	9.66	1340	0.56	0.60	11.5	756	930
R319444	8.80	15.60	0.08	2.3	0.067	0.12	9.2	46.5	10.55	1520	0.34	0.53	6.6	876	630
R319445	8.88	14.40	0.10	2.2	0.054	0.59	12.4	36.9	11.00	1280	0.43	0.56	6.3	903	640
R319446	6.79	15.70	0.12	3.7	0.066	0.61	20.0	15.0	4.55	829	0.37	3.46	39.8	148.0	720
R319447	7.77	13.80	0.12	3.9	0.052	0.32	18.6	14.3	3.73	819	0.56	4.12	40.3	126.5	730
R319448	9.55	14.75	0.08	4.2	0.060	0.36	23.0	11.6	3.62	799	1.02	4.44	44.5	153.5	730
R319449	1.60	13.95	0.11	4.0	0.009	4.35	15.2	15.8	0.39	136	1.04	2.07	34.5	9.7	100
R319450	1.74	13.80	0.12	3.9	0.011	4.10	14.4	13.2	0.42	153	1.40	2.10	33.7	11.4	100

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039502

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319416A		56.5	75.7	<0.002	0.03	0.75	1.0	1	1.0	65.6	3.34	<0.05	18.1	0.033	0.47	3.7
R319416B		60.2	74.7	<0.002	0.03	0.78	0.9	1	1.0	68.6	3.43	<0.05	14.6	0.034	0.52	3.4
R319417		29.2	72.5	<0.002	0.02	0.50	1.0	1	1.4	64.6	3.53	<0.05	17.7	0.032	0.45	3.8
R319418		34.2	79.0	<0.002	0.02	0.51	1.0	1	1.3	67.5	3.41	<0.05	18.0	0.032	0.46	3.9
R319419		43.8	79.1	<0.002	0.10	0.46	1.3	1	1.1	81.3	3.64	<0.05	22.7	0.036	0.47	5.6
R319420		20.3	69.6	<0.002	0.24	0.87	10.5	1	3.8	132.5	2.92	<0.05	19.1	0.332	0.36	5.2
R319421		5.5	51.6	0.002	0.06	1.56	35.2	1	3.8	257	0.90	<0.05	6.3	0.779	0.28	3.7
R319422		5.5	64.3	0.002	0.15	1.11	22.5	1	4.0	168.0	2.20	<0.05	13.2	0.577	0.33	4.9
R319423		7.3	25.8	<0.002	<0.01	0.15	7.1	<1	0.4	168.5	0.23	<0.05	2.5	0.190	0.10	0.6
R319424		10.5	105.0	0.002	0.06	0.68	1.5	1	1.4	82.4	4.18	<0.05	29.5	0.052	0.53	6.3
R319425		5.4	101.0	<0.002	0.25	1.67	18.4	1	4.3	123.5	2.21	<0.05	14.6	0.567	0.46	4.8
R319426		1.9	97.1	<0.002	0.02	1.92	24.6	1	2.6	231	0.49	<0.05	1.5	0.914	0.50	1.7
R319427		1.1	56.0	<0.002	<0.01	0.85	25.9	1	1.0	219	0.51	<0.05	1.4	0.930	0.31	0.4
R319428		1.3	33.7	<0.002	<0.01	0.70	25.6	1	1.0	257	0.49	<0.05	1.3	0.886	0.19	0.3
R319429		1.0	49.9	<0.002	<0.01	0.79	22.2	1	1.0	206	0.60	<0.05	1.6	0.847	0.20	0.6
R319430		1.5	45.3	<0.002	<0.01	0.51	20.6	1	0.8	263	0.58	<0.05	1.5	0.828	0.29	0.5
R319431		73.5	91.5	0.201	2.93	1.93	7.3	5	1.9	198.0	0.31	0.63	5.3	0.172	1.50	1.0
R319432		1.3	36.9	<0.002	<0.01	0.66	22.3	1	0.9	268	0.58	<0.05	1.6	0.868	0.17	0.5
R319433		1.0	26.3	<0.002	<0.01	0.40	21.4	1	0.8	261	0.55	<0.05	1.5	0.824	0.13	0.4
R319434		1.1	31.9	<0.002	<0.01	0.65	21.5	1	0.8	269	0.53	<0.05	1.7	0.845	0.16	0.5
R319435		2.8	63.7	0.003	0.03	0.96	30.4	2	1.4	581	1.21	<0.05	7.1	1.270	0.28	1.3
R319436		1.3	58.9	<0.002	<0.01	0.55	22.8	1	0.9	199.0	0.50	<0.05	1.6	0.782	0.49	0.5
R319437		4.3	63.8	<0.002	<0.01	0.52	1.3	<1	0.8	116.5	2.87	<0.05	18.8	0.050	0.39	3.1
R319438		7.3	75.5	<0.002	0.01	0.53	1.2	1	0.9	117.0	2.68	<0.05	19.7	0.042	0.46	3.9
R319439		4.4	57.7	<0.002	<0.01	0.34	2.3	1	1.3	109.5	2.27	<0.05	12.4	0.081	0.41	2.9
R319440		4.7	70.2	0.002	0.01	1.63	32.0	1	2.2	468	0.87	0.06	1.8	1.080	0.29	1.2
R319441		22.9	181.5	0.094	0.10	1.05	9.2	9	7.5	20.5	2.13	0.10	34.3	0.319	0.67	368
R319442		4.9	45.8	0.007	0.66	1.73	29.3	3	1.6	354	3.93	0.11	3.9	2.15	0.18	0.9
R319443		1.7	50.5	<0.002	0.03	1.19	22.6	1	1.0	73.9	0.75	<0.05	1.6	0.897	0.23	0.5
R319444		1.6	3.9	<0.002	0.17	1.54	21.3	1	0.9	43.3	0.47	<0.05	1.3	0.739	<0.02	0.4
R319445		1.5	29.6	<0.002	0.05	1.10	21.0	1	0.8	89.0	0.43	<0.05	1.3	0.724	0.14	0.4
R319446		1.5	38.8	<0.002	0.01	1.89	18.8	1	1.1	226	2.62	<0.05	1.7	0.673	0.14	0.8
R319447		1.5	17.2	<0.002	0.02	1.59	19.3	1	1.2	161.0	2.68	<0.05	1.8	0.697	0.04	0.9
R319448		3.1	21.9	<0.002	0.07	0.97	21.7	2	1.3	139.0	2.84	<0.05	1.9	0.737	0.10	1.0
R319449		4.5	115.5	<0.002	<0.01	2.03	2.9	1	0.6	92.5	3.85	<0.05	24.6	0.062	0.56	5.1
R319450		5.0	111.0	<0.002	<0.01	1.84	3.8	1	0.6	93.6	3.66	<0.05	24.1	0.073	0.54	4.9

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039502

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319416A	8	1.1	11.7	104	82.3	2.07	1.37	0.17	1.83	0.42	0.28	12.9	4.10	2.40	0.33
R319416B	8	1.2	9.7	109	86.8	1.86	1.25	0.15	1.60	0.39	0.27	10.3	3.28	1.94	0.29
R319417	8	0.9	11.6	63	83.3	2.23	1.43	0.15	1.99	0.45	0.29	13.0	4.12	2.47	0.35
R319418	8	0.9	12.2	51	86.3	2.29	1.38	0.16	2.06	0.46	0.29	14.2	4.48	2.65	0.36
R319419	7	0.9	16.3	90	87.6	2.87	1.79	0.17	2.46	0.58	0.34	15.6	4.94	2.94	0.45
R319420	101	2.1	24.0	62	90.8	4.31	2.51	0.63	4.19	0.84	0.41	21.5	6.46	4.52	0.69
R319421	313	2.0	37.9	41	145.0	6.84	4.00	1.45	6.45	1.36	0.65	25.6	6.57	6.35	1.07
R319422	187	2.5	36.2	40	121.5	6.37	3.66	1.05	6.00	1.27	0.58	20.7	5.00	5.80	1.01
R319423	61	0.2	7.5	23	63.5	1.42	0.78	0.50	1.57	0.27	0.14	10.0	2.70	1.93	0.24
R319424	11	0.7	14.4	8	118.5	2.40	1.56	0.15	1.94	0.48	0.30	5.5	1.41	1.65	0.36
R319425	158	3.4	30.4	74	119.0	5.54	3.17	1.03	5.24	1.08	0.47	15.2	3.25	4.84	0.88
R319426	263	2.9	20.9	74	111.0	4.13	2.04	1.59	4.60	0.76	0.28	20.0	4.83	4.85	0.71
R319427	267	0.4	17.2	48	102.5	3.76	1.68	1.42	4.30	0.66	0.20	17.8	4.06	4.52	0.65
R319428	254	0.4	17.6	50	101.5	3.73	1.69	1.46	4.26	0.65	0.20	18.5	4.23	4.61	0.64
R319429	229	1.2	15.7	56	101.5	3.44	1.53	1.37	4.02	0.60	0.20	17.2	3.92	4.27	0.60
R319430	216	0.2	14.6	61	95.5	3.12	1.42	1.17	3.61	0.55	0.18	16.7	3.92	4.03	0.53
R319431	72	5.7	8.9	710	4.3	1.87	0.86	0.94	2.47	0.33	0.12	14.2	3.63	3.05	0.35
R319432	230	0.8	15.4	55	100.5	3.28	1.51	1.34	3.82	0.58	0.18	17.8	4.17	4.20	0.56
R319433	230	0.3	14.8	53	95.2	3.08	1.38	1.27	3.58	0.54	0.18	16.8	3.89	4.04	0.54
R319434	232	0.4	15.5	54	99.7	3.30	1.52	1.36	3.88	0.58	0.19	17.7	4.17	4.25	0.56
R319435	310	0.6	27.4	35	315	5.61	2.66	2.38	6.86	1.00	0.36	42.8	11.05	8.49	1.00
R319436	236	0.9	15.3	62	92.3	3.21	1.50	1.25	3.72	0.56	0.18	15.4	3.46	4.02	0.57
R319437	8	0.4	11.7	9	95.6	2.11	1.29	0.23	2.12	0.41	0.25	16.4	5.37	2.79	0.34
R319438	13	0.3	12.3	9	97.8	2.24	1.32	0.28	2.26	0.43	0.26	17.3	5.75	2.90	0.37
R319439	23	0.5	10.2	18	123.5	2.06	1.26	0.31	1.93	0.40	0.23	11.6	3.28	2.39	0.32
R319440	324	1.3	30.0	42	169.5	5.99	3.15	2.33	6.83	1.14	0.47	39.4	10.55	7.66	1.02
R319441	72	15.6	132.5	26	125.0	27.5	14.15	7.94	32.7	5.03	1.93	388	135.0	51.1	5.04
R319442	364	1.6	38.1	36	329	7.80	3.78	2.55	9.28	1.43	0.53	57.5	15.05	10.90	1.34
R319443	242	0.4	16.5	91	110.0	3.50	1.59	1.35	4.11	0.62	0.20	19.6	4.69	4.49	0.62
R319444	214	0.5	13.2	116	84.0	2.82	1.30	1.13	3.28	0.51	0.17	13.2	2.99	3.37	0.49
R319445	217	0.3	13.4	97	84.0	2.88	1.33	1.22	3.39	0.51	0.17	15.6	3.72	3.77	0.50
R319446	183	0.6	16.3	55	159.0	3.46	1.69	1.63	4.08	0.62	0.22	23.1	5.61	5.00	0.62
R319447	196	0.5	17.6	51	163.5	3.63	1.73	1.55	4.19	0.66	0.24	21.7	5.46	4.83	0.64
R319448	199	0.6	20.0	50	173.0	4.10	2.12	1.55	4.50	0.78	0.27	23.7	6.04	5.07	0.68
R319449	18	0.7	15.6	13	99.2	2.51	1.77	0.24	2.17	0.55	0.33	11.3	3.42	2.41	0.39
R319450	23	0.6	15.9	14	100.0	2.59	1.80	0.24	2.19	0.56	0.34	11.2	3.32	2.48	0.39

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 28-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039502

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319416A		0.23	1.72
R319416B		0.23	1.61
R319417		0.25	1.78
R319418		0.26	1.84
R319419		0.32	2.14
R319420		0.40	2.66
R319421		0.64	4.18
R319422		0.57	3.80
R319423		0.13	0.82
R319424		0.27	1.84
R319425		0.50	3.20
R319426		0.30	1.88
R319427		0.24	1.42
R319428		0.24	1.41
R319429		0.22	1.35
R319430		0.20	1.22
R319431		0.13	0.80
R319432		0.21	1.29
R319433		0.20	1.18
R319434		0.21	1.29
R319435		0.39	2.31
R319436		0.21	1.27
R319437		0.22	1.51
R319438		0.22	1.55
R319439		0.21	1.48
R319440		0.47	3.03
R319441		2.12	13.40
R319442		0.55	3.41
R319443		0.23	1.44
R319444		0.18	1.12
R319445		0.18	1.12
R319446		0.24	1.48
R319447		0.25	1.56
R319448		0.30	1.80
R319449		0.30	2.05
R319450		0.29	2.01

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CERTIFICATE OF ANALYSIS SD 15039502

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE SD15039505

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

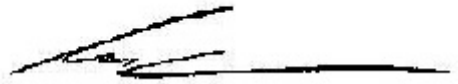
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319451A	2.04	58	0.14	5.93	9.2	230	2.17	0.15	1.49	0.54	55.1	1.4	25	2.86	17.2
R319451B	<0.02	47	0.11	5.87	9.3	230	2.14	0.15	1.49	0.53	55.6	1.3	20	2.91	16.8
R319452	1.85	71	0.12	5.74	6.0	280	2.15	0.11	1.48	0.75	52.4	1.3	26	2.01	11.3
R319453	0.94	191	0.07	6.03	7.0	280	1.96	0.06	1.50	0.12	56.7	0.8	29	2.03	12.7
R319454	0.76	45	0.08	5.90	9.7	290	2.50	0.15	1.23	0.43	83.8	2.4	23	14.80	9.8
R319455	1.49	20	0.03	5.83	12.6	200	2.44	0.03	1.86	0.09	47.2	1.1	18	1.98	4.1
R319456	1.64	77	0.06	6.11	14.3	220	2.44	0.07	1.69	0.10	49.4	1.2	22	2.13	5.2
R319457	1.63	48	0.06	5.58	14.7	250	2.50	0.05	3.08	0.10	44.6	2.5	16	2.72	3.6
R319458	0.17	<5	0.03	3.34	1.9	250	0.59	0.04	1.39	0.07	20.6	6.4	58	0.58	12.7
R319459	0.84	8	0.05	5.24	4.9	540	2.71	0.10	2.55	0.11	28.4	1.1	14	3.73	4.0
R319460	0.87	60	0.04	5.75	10.3	450	2.21	0.09	1.72	0.02	56.8	1.7	42	2.68	3.5
R319461	1.81	41	0.12	5.93	21.0	420	2.08	0.15	1.60	0.25	66.3	1.9	20	1.74	5.4
R319462	1.90	85	0.05	5.50	91.9	350	2.03	0.09	1.63	0.09	44.8	1.2	21	1.95	3.8
R319463	0.62	109	0.05	5.96	110.5	300	1.92	0.09	1.54	0.07	51.4	2.4	18	1.84	3.3
R319464	0.97	60	0.09	5.74	53.5	270	2.16	0.07	1.78	0.26	56.0	1.1	15	2.30	4.0
R319465	1.08	311	0.23	5.61	48.9	280	2.89	2.09	2.04	0.65	53.7	6.3	14	6.65	7.0
R319466	0.03	347	2.07	7.63	32.2	380	1.00	0.81	1.18	3.92	31.8	13.1	30	10.30	2270
R319467	1.07	34	0.05	5.77	11.8	180	2.62	0.09	1.77	0.22	60.0	0.8	8	3.90	7.1
R319468	0.70	38	0.06	5.63	15.3	290	2.24	0.09	1.52	0.20	56.7	0.8	16	1.79	3.6
R319469	1.77	21	0.08	5.71	13.2	310	2.16	0.09	1.53	0.15	64.3	0.7	19	1.50	4.8
R319470	1.67	61	0.08	5.85	27.6	310	2.23	0.21	1.62	0.47	68.2	1.4	15	1.94	10.0
R319471	0.66	35	0.16	6.01	28.0	230	2.84	0.11	1.82	0.97	79.5	0.8	10	5.28	6.7
R319472	0.81	39	0.04	6.00	39.9	160	3.10	0.07	1.68	0.25	69.4	0.8	9	6.84	3.8
R319473	1.89	291	0.21	6.02	8.2	400	2.84	0.21	2.13	0.76	37.8	0.8	32	3.68	12.0
R319474	2.07	175	0.23	5.99	19.3	450	2.19	0.35	2.49	0.62	44.3	1.3	16	2.26	40.0
R319475	0.57	20	0.32	6.72	53.6	390	2.08	0.49	1.96	0.30	37.3	1.5	11	1.46	16.7
R319476	<0.02	NSS	0.54	5.13	16.3	170	6.91	0.45	1.08	0.03	>500	47.3	26	2.34	404
R319477	2.27	36	0.23	5.68	28.1	380	1.88	0.49	2.24	0.26	26.0	1.5	11	1.50	18.8
R319478	2.19	30	0.13	6.37	13.9	380	2.35	0.42	2.19	0.70	40.9	1.4	9	2.36	32.9
R319479	1.87	74	0.08	6.23	59.3	360	2.04	0.10	2.31	0.55	35.5	1.6	13	1.66	8.6
R319480	1.91	201	0.12	6.25	57.1	360	2.31	0.26	1.65	0.55	61.3	1.5	13	2.21	18.7
R319481	2.20	197	0.22	6.21	33.6	370	2.26	0.27	1.57	0.81	49.9	1.2	14	1.98	38.3
R319482	0.71	198	0.14	5.65	25.0	260	1.78	0.09	1.33	0.76	74.6	1.1	17	1.14	13.3
R319483	0.57	150	0.06	5.71	25.6	320	1.91	0.19	1.51	0.16	66.2	12.2	12	1.30	7.9
R319484	0.21	16	0.24	4.81	7.0	440	2.00	0.12	2.26	1.10	35.4	3.0	22	1.76	27.9
R319485	0.11	44	0.13	5.34	12.0	420	1.89	0.16	2.10	1.51	43.5	2.0	14	1.64	11.2

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319451A	0.76	14.50	0.11	3.5	0.014	1.74	27.3	7.3	0.07	322	1.49	2.16	30.2	14.3	40
R319451B	0.71	14.55	0.12	3.4	0.014	1.74	27.1	7.3	0.07	318	1.22	2.15	30.1	14.5	40
R319452	0.70	14.40	0.11	3.4	0.013	1.63	25.1	3.2	0.05	285	1.22	2.45	31.1	13.0	30
R319453	0.56	14.70	0.12	3.5	0.012	1.42	27.0	3.5	0.07	269	1.25	2.96	26.1	5.6	30
R319454	0.91	15.70	0.14	3.4	0.014	2.07	43.1	8.9	0.14	295	1.00	1.48	28.9	8.5	50
R319455	0.75	16.00	0.12	4.5	0.016	1.62	21.1	5.3	0.08	456	0.96	2.57	43.3	7.4	120
R319456	1.02	16.70	0.12	4.5	0.015	1.72	22.6	4.8	0.08	376	1.00	2.50	42.7	6.7	120
R319457	1.16	16.00	0.12	4.2	0.019	1.93	19.9	9.9	0.14	678	1.06	1.92	36.6	9.5	70
R319458	2.26	7.42	0.10	1.5	0.023	0.80	11.2	5.2	0.59	318	0.34	1.26	3.1	18.5	180
R319459	0.83	19.35	0.11	4.7	0.012	2.94	11.1	7.1	0.09	647	1.02	0.55	44.0	5.0	90
R319460	0.85	15.05	0.12	3.4	0.010	1.68	27.5	3.5	0.06	391	1.04	2.30	27.3	4.5	30
R319461	0.77	15.25	0.12	3.5	0.011	1.58	33.0	2.9	0.05	380	1.35	2.50	31.0	3.9	30
R319462	0.91	14.80	0.12	3.3	0.010	1.69	20.8	3.4	0.06	438	1.44	2.30	27.9	4.6	20
R319463	0.94	14.90	0.11	3.6	0.011	1.62	24.3	3.0	0.06	382	1.37	2.64	28.9	4.4	30
R319464	0.78	14.35	0.12	3.5	0.010	1.80	26.5	4.4	0.08	404	1.20	2.07	28.0	4.1	40
R319465	1.08	16.85	0.12	3.4	0.016	2.57	25.8	12.3	0.16	463	1.08	0.54	24.5	6.9	30
R319466	5.12	17.70	0.12	0.2	0.184	2.44	16.4	31.5	0.75	1150	21.2	0.70	4.7	17.7	770
R319467	0.70	14.20	0.12	3.4	0.008	1.82	29.2	8.4	0.09	316	0.70	1.89	29.3	3.0	30
R319468	0.68	14.55	0.12	3.5	0.011	1.64	27.1	2.5	0.05	322	0.98	2.40	30.0	3.1	30
R319469	0.88	14.05	0.12	3.2	0.010	1.49	31.8	2.6	0.06	384	1.09	2.48	27.2	4.0	40
R319470	1.05	15.10	0.12	3.5	0.011	1.73	34.1	3.5	0.07	433	0.98	2.22	28.5	5.1	50
R319471	0.64	15.65	0.14	3.6	0.013	2.01	38.7	4.7	0.13	424	0.91	1.75	30.3	3.1	50
R319472	0.59	14.10	0.12	3.7	0.009	1.90	33.9	6.6	0.16	381	0.85	1.73	34.1	3.6	30
R319473	0.85	17.80	0.11	4.6	0.012	2.78	16.9	3.4	0.13	402	0.55	1.03	42.0	6.4	110
R319474	0.89	14.90	0.12	3.7	0.021	2.31	21.1	4.5	0.14	645	0.90	1.75	23.8	7.1	200
R319475	1.04	15.80	0.12	4.0	0.017	1.72	18.1	6.2	0.15	534	0.82	3.00	24.1	8.0	210
R319476	9.65	32.0	0.94	3.5	0.039	2.16	740	24.6	1.07	890	19.50	0.05	52.7	8.0	1180
R319477	1.00	15.00	0.10	3.7	0.018	1.78	11.9	5.5	0.12	605	0.72	2.68	20.4	8.3	210
R319478	1.08	15.75	0.12	3.6	0.012	2.35	20.2	7.1	0.17	526	0.65	1.73	21.7	8.7	220
R319479	1.04	15.55	0.12	3.7	0.013	1.89	17.1	6.1	0.15	511	0.86	2.46	21.9	9.3	220
R319480	1.39	15.30	0.14	3.9	0.010	2.13	30.9	4.3	0.14	436	1.47	1.92	31.5	9.7	120
R319481	0.78	15.30	0.11	4.0	0.015	2.05	24.6	3.1	0.12	402	0.89	2.12	34.0	6.5	120
R319482	0.65	13.95	0.12	3.3	0.012	1.40	37.7	1.8	0.07	351	1.12	2.84	24.8	4.5	50
R319483	1.06	14.15	0.13	3.3	0.012	1.69	33.2	1.7	0.08	421	0.86	2.29	24.8	5.8	50
R319484	1.73	15.85	0.15	3.3	0.015	2.30	16.1	2.3	0.08	627	2.66	1.43	21.7	13.9	40
R319485	0.96	15.10	0.16	3.3	0.014	2.20	20.1	2.2	0.08	593	0.91	1.46	21.7	4.1	50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319451A		79.3	78.7	<0.002	0.08	0.68	1.3	1	0.9	59.5	3.20	<0.05	22.9	0.053	0.47	3.6
R319451B		78.6	79.1	<0.002	0.08	0.67	1.3	1	0.9	59.2	3.23	<0.05	22.7	0.053	0.46	3.5
R319452		83.1	76.9	<0.002	0.05	0.74	1.2	2	1.1	65.0	3.21	<0.05	20.6	0.055	0.47	2.9
R319453		19.0	70.1	<0.002	0.02	0.68	1.2	1	1.4	77.6	2.86	<0.05	23.0	0.045	0.41	2.5
R319454		77.2	111.5	<0.002	0.02	0.80	1.3	1	2.0	50.1	3.21	<0.05	25.0	0.050	0.60	3.3
R319455		10.2	94.9	<0.002	0.05	0.59	2.7	1	1.3	89.3	4.25	<0.05	25.1	0.063	0.57	5.8
R319456		14.7	105.5	<0.002	0.23	0.64	2.2	1	1.4	85.5	4.32	<0.05	28.1	0.065	0.59	6.6
R319457		41.4	96.3	<0.002	0.12	0.71	2.5	1	1.2	54.5	3.53	<0.05	24.1	0.057	0.62	5.6
R319458		6.9	27.5	<0.002	<0.01	0.13	7.9	1	0.4	175.0	0.21	<0.05	2.2	0.201	0.13	0.6
R319459		22.5	115.0	<0.002	0.03	0.64	1.9	1	2.3	41.6	4.43	<0.05	18.7	0.064	0.84	6.0
R319460		9.2	74.5	<0.002	0.10	0.65	1.3	1	1.1	75.2	2.95	<0.05	20.6	0.046	0.47	2.5
R319461		25.4	76.0	<0.002	0.16	0.60	1.3	1	1.1	85.2	3.35	<0.05	24.7	0.050	0.44	2.9
R319462		16.2	74.9	<0.002	0.14	0.54	1.2	<1	1.1	67.3	3.02	<0.05	17.7	0.047	0.47	2.4
R319463		23.6	73.4	<0.002	0.30	0.62	1.2	1	1.1	61.0	3.14	<0.05	21.9	0.046	0.44	2.9
R319464		26.1	80.6	<0.002	0.10	0.57	1.2	1	1.1	57.0	3.09	<0.05	22.7	0.047	0.48	2.7
R319465		186.0	118.5	<0.002	0.38	1.08	1.6	1	1.1	32.3	2.68	<0.05	21.1	0.043	0.69	3.2
R319466		76.7	97.9	0.194	2.95	1.98	8.3	5	2.0	196.5	0.34	0.71	4.9	0.186	1.43	1.1
R319467		31.3	81.8	<0.002	0.10	0.59	1.1	1	1.0	63.9	3.16	<0.05	22.0	0.049	0.46	2.8
R319468		20.0	75.9	<0.002	0.08	0.54	1.3	1	1.1	70.3	3.27	<0.05	22.4	0.048	0.45	2.9
R319469		16.5	70.0	<0.002	0.04	0.46	1.1	1	1.1	81.4	2.99	<0.05	20.9	0.051	0.40	3.1
R319470		31.3	84.0	<0.002	0.24	0.59	1.2	1	1.2	75.9	3.12	<0.05	21.4	0.054	0.48	3.2
R319471		44.5	107.0	<0.002	0.06	0.60	1.3	1	1.3	75.2	3.20	<0.05	24.5	0.051	0.60	5.3
R319472		25.8	103.0	<0.002	0.04	0.80	1.8	1	1.1	73.9	3.29	<0.05	25.3	0.046	0.55	5.4
R319473		7.8	134.5	<0.002	<0.01	1.34	2.0	1	1.3	32.6	4.40	<0.05	26.2	0.065	0.83	4.8
R319474		69.1	110.5	<0.002	0.04	0.73	2.7	1	1.3	57.2	2.18	<0.05	17.8	0.075	0.65	4.5
R319475		35.5	83.3	<0.002	0.06	0.54	2.9	1	1.9	85.1	2.37	<0.05	21.7	0.080	0.47	5.2
R319476		22.3	181.5	0.094	0.09	1.03	9.4	12	7.7	20.9	2.04	0.10	35.8	0.320	0.65	371
R319477		65.6	77.4	<0.002	0.08	0.54	2.6	1	2.0	75.2	1.95	<0.05	13.4	0.079	0.51	3.7
R319478		61.3	106.0	<0.002	0.08	0.56	2.7	1	1.6	61.1	2.05	<0.05	17.4	0.086	0.63	4.3
R319479		34.3	86.4	0.002	0.14	0.73	2.8	1	1.8	75.2	2.01	<0.05	16.8	0.084	0.51	4.1
R319480		50.5	100.5	<0.002	0.23	0.71	2.2	1	1.6	71.5	3.13	<0.05	24.9	0.065	0.57	5.5
R319481		81.5	106.5	<0.002	0.14	0.92	2.1	1	1.4	75.3	3.34	<0.05	25.3	0.063	0.61	5.8
R319482		53.3	67.7	<0.002	0.10	0.74	1.5	1	1.2	81.9	2.76	<0.05	20.4	0.052	0.38	3.8
R319483		26.8	81.9	<0.002	0.52	0.78	1.3	1	1.5	66.9	2.61	<0.05	22.0	0.049	0.45	4.0
R319484		58.4	90.4	<0.002	0.05	0.85	1.1	1	3.9	56.2	2.36	<0.05	12.0	0.049	0.60	2.4
R319485		56.9	92.1	<0.002	0.11	0.57	1.1	1	1.0	56.0	2.31	<0.05	15.6	0.049	0.59	2.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319451A	7	0.8	13.5	68	92.3	2.35	1.52	0.24	2.42	0.48	0.26	18.3	5.56	3.25	0.39
R319451B	7	0.8	13.2	65	90.8	2.30	1.45	0.24	2.40	0.47	0.26	18.2	5.88	3.22	0.38
R319452	9	0.8	12.7	74	90.3	2.23	1.39	0.23	2.32	0.45	0.25	17.4	5.58	3.21	0.38
R319453	15	0.7	11.9	20	92.2	2.12	1.34	0.21	2.36	0.44	0.25	19.0	6.00	3.37	0.37
R319454	9	0.7	13.1	125	89.9	2.42	1.46	0.25	2.98	0.47	0.26	28.4	8.93	4.72	0.43
R319455	13	1.1	16.3	20	121.5	2.76	1.83	0.19	2.64	0.57	0.36	17.1	4.91	3.38	0.44
R319456	11	1.1	17.3	17	121.5	2.89	1.90	0.20	2.76	0.61	0.37	17.5	5.17	3.36	0.46
R319457	15	1.0	14.9	22	114.0	2.43	1.66	0.17	2.43	0.51	0.33	15.9	4.52	3.14	0.41
R319458	60	0.2	7.6	24	55.6	1.34	0.77	0.48	1.51	0.27	0.13	9.9	2.55	1.93	0.22
R319459	9	1.0	14.3	22	125.5	2.74	1.88	0.15	2.29	0.58	0.37	11.2	3.01	2.57	0.41
R319460	12	0.8	12.0	10	89.6	2.16	1.38	0.23	2.23	0.44	0.25	18.4	5.97	3.11	0.36
R319461	6	0.8	13.9	34	93.6	2.41	1.53	0.27	2.58	0.50	0.27	21.3	6.87	3.64	0.42
R319462	6	1.0	11.2	19	87.6	2.03	1.31	0.22	2.07	0.42	0.24	15.2	4.53	2.72	0.34
R319463	5	0.9	13.1	15	96.3	2.25	1.46	0.24	2.33	0.46	0.26	17.2	5.40	3.09	0.37
R319464	5	1.1	13.4	38	93.4	2.28	1.46	0.26	2.41	0.46	0.26	18.3	5.79	3.24	0.38
R319465	9	1.1	12.6	76	89.6	2.03	1.33	0.24	2.28	0.42	0.25	17.7	5.52	3.11	0.35
R319466	71	5.8	9.5	722	4.9	1.80	0.91	0.88	2.39	0.33	0.12	14.9	3.59	3.07	0.33
R319467	5	1.1	12.9	33	91.0	2.23	1.44	0.26	2.39	0.46	0.26	19.3	6.25	3.29	0.38
R319468	6	1.1	12.5	33	94.3	2.22	1.43	0.26	2.38	0.46	0.26	18.8	5.95	3.26	0.37
R319469	7	0.9	12.9	28	86.6	2.15	1.37	0.27	2.36	0.44	0.25	20.3	6.60	3.40	0.37
R319470	8	1.1	12.8	71	96.3	2.20	1.43	0.28	2.42	0.45	0.27	21.7	7.05	3.53	0.38
R319471	6	1.1	16.8	150	103.0	2.68	1.76	0.28	3.04	0.55	0.34	24.9	8.13	4.22	0.47
R319472	4	0.9	17.8	43	101.5	2.80	1.82	0.25	2.95	0.57	0.33	22.5	7.26	3.82	0.48
R319473	10	1.9	16.3	103	120.5	2.80	1.94	0.18	2.53	0.59	0.38	13.9	4.00	2.89	0.44
R319474	20	1.5	13.5	107	117.0	2.22	1.50	0.26	2.17	0.48	0.29	14.8	4.34	2.79	0.37
R319475	23	1.5	15.9	59	127.5	2.64	1.76	0.30	2.65	0.55	0.31	14.4	3.93	3.08	0.44
R319476	71	17.4	132.5	20	121.5	27.0	14.30	7.74	33.8	4.95	1.87	402	131.5	51.1	4.73
R319477	24	1.5	11.5	54	119.0	2.11	1.40	0.27	1.98	0.45	0.26	10.1	2.75	2.20	0.35
R319478	21	1.8	14.6	97	120.5	2.50	1.59	0.36	2.53	0.51	0.28	14.5	4.12	2.93	0.42
R319479	21	2.4	16.0	82	120.0	2.64	1.67	0.31	2.54	0.54	0.29	13.4	3.69	2.88	0.44
R319480	13	1.9	16.7	95	112.0	2.75	1.79	0.29	2.77	0.58	0.31	20.0	6.41	3.61	0.46
R319481	15	1.9	15.6	94	114.0	2.68	1.67	0.26	2.65	0.54	0.30	17.1	5.07	3.25	0.43
R319482	9	1.0	14.4	110	90.1	2.43	1.50	0.30	2.81	0.48	0.27	24.0	7.71	4.05	0.43
R319483	8	1.1	14.3	34	91.4	2.30	1.47	0.25	2.54	0.48	0.27	20.9	6.87	3.51	0.40
R319484	8	1.3	9.7	123	92.7	1.69	1.23	0.17	1.67	0.37	0.25	11.7	3.66	2.14	0.27
R319485	8	1.2	11.6	169	91.3	1.97	1.36	0.20	1.92	0.42	0.27	14.2	4.41	2.56	0.32

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319451A		0.24	1.74
R319451B		0.24	1.70
R319452		0.23	1.59
R319453		0.22	1.56
R319454		0.24	1.68
R319455		0.30	2.19
R319456		0.32	2.31
R319457		0.27	2.02
R319458		0.12	0.80
R319459		0.32	2.29
R319460		0.23	1.61
R319461		0.25	1.75
R319462		0.22	1.53
R319463		0.25	1.70
R319464		0.25	1.68
R319465		0.22	1.59
R319466		0.13	0.81
R319467		0.24	1.64
R319468		0.23	1.66
R319469		0.23	1.64
R319470		0.24	1.66
R319471		0.29	2.09
R319472		0.30	2.12
R319473		0.32	2.29
R319474		0.25	1.79
R319475		0.28	1.94
R319476		2.08	13.05
R319477		0.24	1.66
R319478		0.25	1.76
R319479		0.27	1.86
R319480		0.29	2.02
R319481		0.28	1.94
R319482		0.25	1.71
R319483		0.24	1.71
R319484		0.21	1.53
R319485		0.23	1.66

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 30-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039505

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non- sufficient sample.
Applies to Method: ALL METHODS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:

CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:

Au-AA23	ME-MS61r

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE SD15039506

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

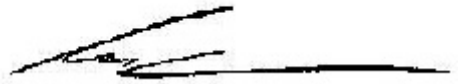
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319486A	1.88	11	0.13	6.89	11.4	160	1.23	0.14	4.70	0.02	57.8	63.3	78	5.24	388
R319486B	<0.02	11	0.13	6.66	11.1	150	1.17	0.13	4.53	0.02	56.3	61.7	76	5.11	375
R319487	2.29	7	0.12	5.21	4.8	80	0.93	0.06	10.90	0.04	44.1	35.8	83	6.77	345
R319488	2.38	393	0.89	7.39	21.0	180	1.11	0.41	4.18	0.02	60.2	99.5	122	4.59	>10000
R319489	2.14	10	0.10	7.64	7.2	200	1.38	0.09	3.52	<0.02	64.0	56.5	147	8.46	329
R319490	1.36	7	0.11	5.57	5.6	50	1.59	0.07	9.78	0.04	46.5	41.8	83	17.65	249
R319491	0.87	12	0.08	7.33	7.1	180	1.20	0.08	4.82	<0.02	62.9	51.3	118	4.98	367
R319492	1.06	7	0.03	7.57	8.1	230	0.94	0.08	5.55	<0.02	67.4	50.3	121	5.09	218
R319493	0.28	<5	0.03	3.32	1.7	240	0.56	0.04	1.41	0.07	21.2	6.6	55	0.59	13.1
R319494	1.41	15	0.05	7.77	9.3	310	1.15	0.09	5.03	<0.02	69.0	53.4	119	5.45	444
R319495	0.49	8	0.05	7.62	5.9	310	1.13	0.10	5.24	<0.02	57.9	45.0	113	4.20	189.5
R319496	1.91	<5	0.05	7.10	5.4	560	1.09	0.08	4.82	<0.02	50.9	41.0	120	3.07	90.9
R319497	1.90	14	0.04	7.57	5.0	380	1.00	0.10	5.14	<0.02	56.2	45.1	120	3.34	227
R319498	2.11	37	0.03	7.27	4.8	440	1.02	0.09	5.11	<0.02	63.2	39.1	103	3.89	162.5
R319499	2.00	6	0.05	7.37	6.9	470	1.01	0.12	5.15	<0.02	64.5	46.6	122	3.71	355
R319500	0.83	26	0.06	7.51	7.2	290	0.88	0.12	6.18	<0.02	62.3	42.3	118	2.60	431
R319501	0.04	287	2.04	7.83	32.6	360	0.91	0.80	1.20	3.81	32.4	12.9	27	10.40	2320
R319502	0.82	20	0.05	7.37	6.8	280	0.81	0.10	6.70	0.02	62.1	48.6	95	2.41	496
R319503	2.08	20	0.09	6.92	13.0	270	0.76	0.12	6.29	0.02	56.6	59.2	71	3.05	503
R319504	1.94	146	0.44	6.59	9.4	210	0.95	0.53	6.20	0.03	65.2	52.9	76	3.09	1625
R319505	2.19	25	0.14	6.82	10.0	210	0.98	0.19	5.54	<0.02	53.5	47.3	78	3.47	1030
R319506	2.21	27	0.21	6.53	8.4	100	1.41	0.17	4.83	<0.02	44.2	50.9	75	1.66	1125
R319507	0.80	48	0.53	6.66	11.4	170	1.30	0.22	3.80	<0.02	59.3	50.8	81	2.75	1810
R319508	0.50	37	0.22	6.74	10.5	180	1.79	0.21	4.98	<0.02	57.9	49.1	87	3.33	1085
R319509	1.18	29	0.16	6.82	11.9	240	0.88	0.22	5.83	0.03	59.6	59.8	71	4.23	1235
R319510	0.58	14	0.13	6.71	9.8	240	0.89	0.14	6.06	0.02	54.0	43.9	71	4.88	1095
R319511	<0.02	<5	0.53	5.41	16.0	170	6.50	0.42	1.13	0.04	>500	47.9	28	2.45	424
R319512	0.99	11	0.10	6.74	9.9	270	0.84	0.14	5.61	<0.02	61.8	44.4	70	6.90	508
R319513	0.98	<5	0.04	6.86	7.2	120	1.25	0.09	3.97	<0.02	49.8	33.6	108	2.30	53.8
R319514	0.83	<5	0.10	5.96	10.9	90	1.89	0.15	2.61	<0.02	45.3	12.4	78	1.84	33.4
R319515	0.99	13	0.12	5.63	13.0	320	1.88	0.09	1.82	0.18	37.9	1.2	20	2.47	11.9
R319516	0.66	30	0.09	5.81	9.1	310	2.01	0.10	1.67	0.17	45.7	0.9	29	2.87	20.9
R319517	0.55	11	0.06	5.96	3.9	230	2.28	0.10	1.34	0.11	60.9	1.1	13	4.64	10.0
R319518	1.36	47	0.07	5.83	8.6	290	2.03	0.08	1.51	0.28	59.6	0.8	14	2.43	6.5
R319519	0.62	91	0.10	6.18	12.4	280	2.65	0.07	0.99	0.29	71.9	1.2	14	10.00	5.5
R319520	0.57	72	0.06	5.98	13.5	260	2.70	0.08	1.04	0.32	71.9	1.7	10	10.20	5.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319486A	10.50	18.30	0.19	4.4	0.108	1.08	26.3	38.5	4.25	812	0.98	1.79	22.4	69.7	1840
R319486B	10.20	17.55	0.18	4.0	0.101	1.04	25.9	37.5	4.11	804	1.00	1.74	21.5	68.5	1760
R319487	6.46	13.00	0.16	2.7	0.067	0.97	20.8	39.2	2.88	720	1.51	1.04	10.1	69.2	1070
R319488	10.65	20.1	0.19	4.3	0.351	0.83	28.2	37.3	3.94	678	36.1	1.72	15.4	179.5	1620
R319489	9.68	21.3	0.19	4.4	0.084	1.27	29.0	53.4	4.38	571	3.07	1.51	16.3	113.0	1710
R319490	8.48	16.95	0.17	3.2	0.063	1.94	22.0	48.0	3.21	863	0.65	0.26	11.9	88.0	1220
R319491	9.17	20.3	0.19	4.4	0.079	1.01	28.5	37.3	3.92	683	1.12	1.75	16.6	116.0	1730
R319492	9.39	19.65	0.20	4.5	0.079	0.91	30.9	28.7	3.40	807	1.05	1.79	16.4	118.0	1700
R319493	2.17	7.55	0.12	1.6	0.021	0.79	11.5	5.4	0.61	315	0.31	1.25	2.9	18.8	200
R319494	9.14	20.9	0.19	4.7	0.083	1.15	31.2	35.5	3.51	809	0.97	1.91	17.3	120.0	1710
R319495	8.56	20.2	0.18	4.4	0.076	1.14	25.8	33.1	3.43	732	1.38	2.04	16.0	108.5	1560
R319496	7.90	18.55	0.17	4.1	0.075	1.74	22.5	34.5	3.55	768	2.40	2.06	15.1	107.0	1420
R319497	8.39	19.70	0.17	4.2	0.073	1.24	25.2	36.8	3.57	797	1.12	1.81	15.4	113.5	1490
R319498	7.24	16.90	0.18	4.4	0.066	1.44	29.1	28.6	3.09	791	1.36	2.07	16.0	99.5	1550
R319499	8.76	20.3	0.19	4.3	0.079	1.54	29.3	41.5	3.73	810	0.89	1.89	16.6	121.0	1670
R319500	8.84	18.75	0.18	4.2	0.078	0.90	28.4	25.2	3.49	792	3.49	1.90	15.4	110.5	1680
R319501	5.12	17.40	0.16	0.2	0.182	2.43	16.4	31.8	0.75	1150	21.0	0.70	4.4	22.1	760
R319502	9.83	18.25	0.18	4.3	0.101	0.83	28.5	22.5	3.81	1020	1.41	1.92	19.3	86.8	1760
R319503	10.30	17.45	0.17	4.4	0.107	0.77	25.6	19.3	3.73	1160	1.18	1.90	22.0	62.8	1780
R319504	9.08	17.00	0.18	4.8	0.123	1.06	30.0	22.7	3.63	1050	1.00	2.37	23.2	58.3	1900
R319505	9.78	16.50	0.19	4.4	0.105	0.84	23.6	20.9	3.97	1040	5.74	2.54	20.9	64.3	1780
R319506	9.80	18.50	0.17	4.4	0.115	0.94	18.5	36.9	4.12	1020	2.89	2.93	21.4	62.3	1740
R319507	8.39	15.30	0.18	5.0	0.109	0.92	27.0	30.8	4.04	1060	2.30	3.14	24.8	62.7	2040
R319508	10.15	16.10	0.18	4.4	0.111	2.26	26.6	45.0	3.71	940	2.43	2.18	21.3	65.8	1800
R319509	9.84	17.35	0.19	4.4	0.109	0.81	27.3	23.4	3.87	1150	6.24	2.45	22.0	66.8	1820
R319510	9.70	16.50	0.18	4.3	0.101	0.84	25.0	21.0	3.80	1120	2.80	2.35	20.9	61.0	1760
R319511	10.25	33.0	0.98	3.6	0.039	2.25	780	25.1	1.14	915	19.80	0.05	53.0	8.3	1260
R319512	9.38	17.90	0.19	4.5	0.108	0.90	28.3	23.5	3.79	1170	89.6	2.42	22.1	64.2	1810
R319513	7.78	15.55	0.15	4.1	0.094	0.49	22.5	25.7	3.27	989	28.2	3.48	24.6	61.1	1310
R319514	2.46	13.30	0.16	3.4	0.021	0.65	22.0	23.4	0.83	600	51.1	3.35	30.5	29.0	190
R319515	0.81	13.50	0.14	3.3	0.007	1.70	17.6	4.2	0.09	256	1.22	2.18	31.8	3.6	30
R319516	0.86	14.65	0.14	3.4	0.007	1.74	21.7	4.7	0.09	261	1.31	2.44	30.2	3.8	30
R319517	0.79	14.40	0.11	3.4	0.007	1.60	30.5	16.7	0.09	260	1.24	2.47	30.5	4.0	50
R319518	0.77	14.00	0.14	3.3	0.007	1.66	29.9	4.7	0.08	318	1.00	2.22	30.4	3.5	40
R319519	0.70	16.25	0.14	3.5	0.010	2.55	37.6	17.3	0.17	266	0.82	0.59	29.8	3.9	40
R319520	0.79	16.30	0.13	3.4	0.008	2.66	37.3	20.8	0.19	284	0.88	0.31	30.0	4.5	40

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319486A		3.2	69.4	0.003	0.07	1.22	54.0	3	1.1	168.0	1.25	<0.05	1.8	1.230	0.32	0.6
R319486B		3.0	68.6	0.003	0.07	1.17	52.1	2	1.0	161.0	1.19	<0.05	1.8	1.190	0.30	0.6
R319487		2.0	74.0	0.002	0.03	0.99	23.5	2	0.8	128.0	0.56	<0.05	1.1	0.716	0.30	0.7
R319488		2.4	55.1	0.006	1.21	1.04	34.8	7	1.6	262	0.86	0.32	1.6	1.085	0.26	0.8
R319489		1.8	83.9	0.002	0.03	0.80	36.4	2	1.4	212	0.91	0.05	1.8	1.155	0.38	0.6
R319490		3.4	209	<0.002	0.02	1.66	25.9	2	0.9	81.7	0.65	0.06	1.3	0.827	0.81	2.1
R319491		2.0	48.0	0.002	0.04	0.88	36.4	2	1.2	281	0.93	0.07	1.6	1.180	0.31	0.5
R319492		1.8	67.9	0.002	0.03	1.10	35.8	2	1.3	333	0.93	<0.05	1.8	1.145	0.33	0.6
R319493		7.3	27.3	<0.002	<0.01	0.13	8.3	<1	0.6	177.0	0.24	<0.05	2.2	0.206	0.13	0.5
R319494		2.1	80.1	0.002	0.05	1.02	37.1	2	1.2	338	0.99	0.08	2.0	1.145	0.37	0.6
R319495		2.3	61.4	<0.002	0.02	0.99	34.0	2	1.3	337	0.93	0.06	2.1	1.065	0.34	0.7
R319496		1.9	72.5	0.002	0.01	1.06	32.6	2	1.4	289	0.86	0.05	1.8	0.995	0.47	0.8
R319497		2.1	53.2	0.002	0.02	0.99	33.6	2	1.2	310	0.89	0.06	2.0	1.030	0.31	0.7
R319498		2.1	74.0	<0.002	0.01	1.08	30.7	2	1.3	321	0.98	<0.05	2.5	0.997	0.38	0.8
R319499		2.1	71.2	<0.002	0.03	1.17	34.8	2	1.4	306	0.93	0.07	1.7	1.115	0.43	0.6
R319500		2.1	45.6	0.002	0.05	1.12	34.7	2	1.3	326	0.88	0.06	1.7	1.115	0.23	0.7
R319501		78.8	98.7	0.203	2.87	1.99	8.1	5	1.9	201	0.31	0.67	4.7	0.187	1.42	0.9
R319502		2.6	44.7	0.003	0.06	1.31	47.3	2	1.4	268	1.07	<0.05	1.8	1.195	0.24	0.4
R319503		2.8	44.5	0.003	0.10	1.46	54.0	3	1.2	217	1.24	<0.05	1.8	1.205	0.22	0.4
R319504		9.3	49.2	0.002	0.12	2.33	49.9	7	1.5	253	1.31	0.10	2.0	1.110	0.27	4.5
R319505		5.0	52.5	0.003	0.11	1.84	53.7	5	1.6	300	1.20	<0.05	1.7	1.205	0.26	2.3
R319506		3.7	35.8	0.004	0.09	3.16	54.5	4	1.3	119.5	1.22	<0.05	1.8	1.170	0.17	2.6
R319507		4.1	40.6	0.005	0.14	1.94	59.9	4	1.3	247	1.42	0.07	2.1	1.350	0.21	1.7
R319508		5.7	50.8	0.003	0.07	15.10	51.9	3	1.4	184.0	1.20	<0.05	2.0	1.180	0.19	3.6
R319509		4.9	51.1	0.003	0.15	2.48	53.8	5	2.0	304	1.23	<0.05	1.8	1.205	0.26	2.9
R319510		4.3	47.0	0.003	0.10	2.00	51.4	5	1.5	304	1.16	<0.05	1.8	1.165	0.23	2.6
R319511		22.5	191.0	0.097	0.10	1.05	9.6	11	7.8	21.8	2.06	0.12	35.9	0.328	0.67	386
R319512		4.2	61.4	0.010	0.06	1.65	53.7	6	2.3	324	1.27	<0.05	1.9	1.210	0.31	3.7
R319513		4.0	30.2	0.015	0.01	1.45	40.6	3	4.0	260	1.77	<0.05	6.6	1.015	0.16	5.2
R319514		6.6	32.4	0.058	0.05	1.67	8.0	4	3.7	121.0	3.14	<0.05	20.6	0.281	0.17	6.2
R319515		8.7	76.4	<0.002	<0.01	1.40	1.2	1	1.0	76.0	3.43	<0.05	19.1	0.053	0.47	2.8
R319516		16.7	72.8	<0.002	0.01	1.33	1.2	1	1.0	83.3	3.29	<0.05	18.8	0.051	0.46	3.0
R319517		59.6	76.2	<0.002	0.02	0.81	1.3	1	0.9	90.9	3.17	<0.05	23.3	0.060	0.42	4.3
R319518		39.8	78.8	<0.002	0.04	0.63	1.4	1	1.1	73.8	3.07	<0.05	22.6	0.060	0.45	3.2
R319519		72.1	138.5	<0.002	0.04	0.74	1.4	1	1.1	27.2	2.91	<0.05	25.2	0.058	0.70	4.1
R319520		68.0	141.0	<0.002	0.05	0.75	1.4	1	1.1	22.9	2.96	<0.05	25.5	0.058	0.73	4.1

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319486A	409	1.2	38.9	45	176.0	6.68	4.22	1.81	6.54	1.43	0.63	28.8	7.40	6.53	1.05
R319486B	396	1.1	38.3	43	166.0	6.44	4.10	1.72	6.30	1.37	0.60	27.9	7.45	6.22	1.01
R319487	228	1.0	22.5	33	113.5	3.90	2.29	1.31	4.19	0.81	0.33	22.0	5.38	4.67	0.64
R319488	328	1.7	31.7	54	174.0	5.42	3.21	1.77	5.76	1.12	0.45	29.1	7.64	6.05	0.90
R319489	337	1.2	32.4	43	182.5	5.82	3.40	1.94	6.26	1.19	0.48	32.7	8.28	6.71	0.96
R319490	274	1.4	23.6	32	135.0	4.11	2.33	1.35	4.38	0.84	0.34	23.3	5.76	4.85	0.67
R319491	353	1.1	31.3	38	179.5	5.61	3.22	1.92	5.99	1.14	0.47	32.8	8.21	6.55	0.92
R319492	339	1.0	32.4	35	186.5	5.61	3.29	1.93	6.24	1.15	0.47	33.1	8.56	6.88	0.95
R319493	63	0.2	7.9	25	54.8	1.32	0.82	0.49	1.49	0.28	0.13	10.0	2.65	1.97	0.23
R319494	336	1.0	33.0	33	190.0	5.78	3.37	1.96	6.35	1.17	0.46	36.6	8.91	7.11	0.97
R319495	320	1.1	30.7	47	176.5	5.35	3.15	1.85	5.80	1.09	0.45	28.7	7.51	6.20	0.89
R319496	307	1.8	28.6	49	164.0	4.97	2.96	1.66	5.26	1.04	0.42	26.2	6.81	5.65	0.82
R319497	316	1.5	30.0	62	169.0	5.17	3.02	1.72	5.60	1.07	0.44	28.0	7.31	6.03	0.87
R319498	288	1.9	30.0	56	175.5	5.30	3.09	1.78	5.79	1.08	0.44	30.0	7.97	6.33	0.88
R319499	328	1.5	31.3	59	178.5	5.51	3.27	1.88	5.98	1.12	0.45	32.8	8.35	6.67	0.92
R319500	332	1.4	31.5	49	173.0	5.54	3.18	1.94	6.04	1.12	0.45	31.2	8.07	6.54	0.92
R319501	72	3.8	9.4	727	4.8	1.76	0.88	0.90	2.34	0.33	0.12	14.7	3.73	3.16	0.32
R319502	381	1.3	37.3	57	189.0	6.37	3.93	1.88	6.42	1.35	0.56	30.0	7.84	6.63	1.02
R319503	400	0.9	40.7	47	181.0	6.66	4.19	1.77	6.50	1.43	0.64	28.1	7.25	6.26	1.04
R319504	351	2.0	44.2	51	194.5	7.48	4.76	1.94	7.22	1.61	0.69	33.4	8.35	6.86	1.16
R319505	408	2.6	40.7	53	178.5	6.48	4.11	1.69	6.33	1.39	0.61	27.6	7.14	6.34	1.01
R319506	400	2.6	39.9	76	182.5	6.68	4.21	1.69	6.31	1.42	0.63	25.8	6.39	6.14	1.03
R319507	443	1.9	42.7	50	210	7.24	4.53	1.89	6.94	1.55	0.69	29.3	7.64	6.75	1.13
R319508	372	2.8	39.7	57	182.5	6.62	4.22	1.85	6.45	1.42	0.62	28.6	7.48	6.31	1.04
R319509	401	2.5	42.6	58	191.0	6.93	4.43	1.90	6.66	1.49	0.67	29.6	7.71	6.71	1.09
R319510	399	2.3	39.3	48	178.0	6.46	4.08	1.77	6.32	1.39	0.62	27.3	6.98	6.24	1.03
R319511	75	17.2	138.5	17	130.0	27.3	14.55	7.88	33.8	5.06	1.91	418	141.0	54.4	4.92
R319512	397	2.2	43.0	53	186.5	7.15	4.61	1.93	6.87	1.54	0.69	31.2	7.94	6.80	1.12
R319513	335	2.0	39.4	41	159.0	6.50	4.18	1.60	6.12	1.39	0.64	24.8	6.52	5.96	1.02
R319514	75	1.1	25.1	27	92.4	3.74	2.45	0.55	3.45	0.80	0.40	16.6	4.74	3.69	0.58
R319515	7	0.8	13.6	42	84.1	2.24	1.53	0.19	2.09	0.48	0.28	13.4	4.04	2.64	0.35
R319516	6	0.7	12.4	25	90.1	2.10	1.45	0.20	2.07	0.45	0.29	15.5	4.80	2.80	0.34
R319517	7	0.7	14.1	31	94.8	2.32	1.52	0.26	2.41	0.48	0.28	18.6	6.38	3.29	0.38
R319518	6	0.8	13.9	43	93.9	2.36	1.50	0.26	2.47	0.48	0.27	18.3	6.24	3.32	0.39
R319519	8	0.9	14.5	57	100.5	2.39	1.46	0.25	2.74	0.48	0.28	21.8	7.64	3.92	0.42
R319520	8	0.9	14.4	69	96.9	2.45	1.50	0.24	2.76	0.49	0.27	21.9	7.63	3.81	0.42

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

Sample Description	Method	ME-MS61r	ME-MS61r	Cu-OC62
	Analyte	Tm	Yb	Cu
	Units	ppm	ppm	%
	LOR	0.01	0.03	0.001
R319486A		0.65	4.03	
R319486B		0.63	3.90	
R319487		0.34	2.17	
R319488		0.46	2.95	1.040
R319489		0.50	3.13	
R319490		0.35	2.22	
R319491		0.49	3.04	
R319492		0.49	3.05	
R319493		0.13	0.84	
R319494		0.49	3.03	
R319495		0.46	2.91	
R319496		0.44	2.81	
R319497		0.46	2.84	
R319498		0.45	2.81	
R319499		0.47	2.95	
R319500		0.47	2.92	
R319501		0.13	0.79	
R319502		0.59	3.70	
R319503		0.63	4.11	
R319504		0.71	4.62	
R319505		0.62	3.99	
R319506		0.64	4.08	
R319507		0.70	4.45	
R319508		0.64	4.03	
R319509		0.68	4.36	
R319510		0.62	4.05	
R319511		2.16	13.30	
R319512		0.70	4.51	
R319513		0.63	4.15	
R319514		0.40	2.65	
R319515		0.26	1.79	
R319516		0.25	1.75	
R319517		0.25	1.74	
R319518		0.26	1.76	
R319519		0.25	1.76	
R319520		0.26	1.78	

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Finalized Date: 31-MAR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15039506

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	Cu-OG62	ME-MS61r	ME-OG62

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE SD15045863

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

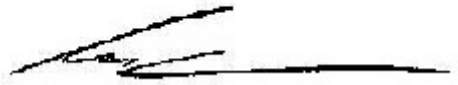
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045863

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319521A	2.30	18	0.06	7.43	9.6	300	0.67	0.19	6.12	0.05	24.8	55.5	97	3.83	468
R319521B	<0.02	16	0.07	7.33	10.5	290	0.70	0.20	6.08	0.06	25.5	57.2	92	3.95	458
R319522	1.00	32	0.07	7.34	7.0	180	0.65	0.15	6.49	0.07	23.5	53.0	97	5.19	976
R319523	0.56	27	0.21	6.31	5.9	150	2.02	0.16	1.49	0.03	80.9	12.3	31	1.13	780
R319524	0.91	24	0.06	7.45	6.9	190	0.62	0.12	5.88	0.03	23.7	50.7	97	7.23	729
R319525	1.33	18	0.07	7.69	7.1	220	0.57	0.13	6.21	0.03	25.3	54.9	96	6.33	562
R319526	1.05	7	0.06	6.45	6.8	110	0.76	0.10	5.21	0.04	23.7	52.7	94	2.47	285
R319527	0.85	17	0.06	7.46	7.5	170	0.45	0.12	6.70	0.11	23.3	51.7	92	3.94	446
R319528	0.20	<5	0.03	3.40	1.8	260	0.61	0.04	1.44	0.07	23.2	6.8	55	0.62	12.8
R319529	0.58	99	0.34	7.34	9.9	160	0.60	0.33	6.44	0.08	25.2	65.9	96	4.22	2280
R319530	1.16	28	0.13	7.15	9.3	300	0.99	0.16	6.61	0.04	67.7	44.3	61	3.31	614
R319531	2.22	8	0.10	6.92	10.4	430	1.57	0.27	5.90	0.02	119.0	41.4	12	3.46	288
R319532	0.83	12	0.09	7.13	10.6	430	1.61	0.17	6.26	<0.02	119.0	36.1	17	2.68	375
R319533	0.59	7	0.10	7.17	12.1	340	1.56	0.24	5.53	<0.02	125.0	46.0	26	3.40	243
R319534	0.69	18	0.10	7.27	10.2	460	1.51	0.15	5.01	0.02	129.5	46.1	30	3.94	523
R319535	0.98	17	0.12	6.89	9.3	460	1.47	0.14	5.15	0.03	118.5	47.5	29	3.61	461
R319536	0.05	307	1.89	7.45	30.2	360	0.95	0.81	1.15	3.67	31.5	12.0	26	9.17	2250
R319537	0.61	9	0.08	7.19	9.6	530	1.50	0.16	6.00	0.02	121.5	43.9	29	3.90	314
R319538	1.37	5	0.08	7.01	9.9	480	1.51	0.15	5.97	0.03	121.0	37.1	27	3.46	247
R319539	0.89	8	0.11	7.09	8.8	510	1.55	0.13	5.90	0.03	121.5	42.0	29	4.20	381
R319540	0.63	24	0.12	7.22	16.5	520	1.42	0.61	6.60	<0.02	115.0	71.6	22	3.30	130.5
R319541	0.58	7	0.08	7.20	12.0	700	1.47	0.20	5.82	<0.02	108.0	48.5	14	4.58	196.5
R319542	0.68	27	0.13	7.05	24.3	620	1.73	0.48	6.53	<0.02	111.5	86.1	14	3.95	259
R319543	0.82	27	0.10	6.47	7.3	320	1.90	0.26	3.43	0.07	59.1	23.8	18	2.36	58.5
R319544	2.24	5	0.13	6.35	1.6	1120	1.63	0.12	1.39	0.02	46.1	3.0	13	2.12	97.1
R319545	1.86	9	0.34	6.28	2.6	930	1.72	0.16	1.42	<0.02	70.2	3.8	13	2.19	164.0
R319546	0.02	<5	0.41	5.28	15.6	170	6.52	0.41	1.10	0.04	>500	47.6	27	2.34	398
R319547	0.51	31	0.87	6.08	1.3	1200	1.62	0.30	1.36	<0.02	74.9	4.6	24	1.56	1340
R319548	1.32	6	0.18	6.27	1.3	1350	1.79	0.13	1.06	<0.02	94.3	2.4	25	1.62	209
R319549	1.33	12	0.22	5.97	5.0	1000	1.80	0.14	1.36	0.04	74.2	2.5	16	1.43	231
R319550	1.46	27	0.30	7.08	7.9	510	1.22	0.36	3.99	0.02	43.5	32.1	79	4.08	348
R319551	2.01	11	0.04	7.50	6.8	310	0.67	0.10	5.30	0.03	24.7	51.6	99	4.72	293
R319552	0.56	59	0.15	7.83	4.3	420	1.53	0.49	4.45	0.04	47.6	47.4	101	6.65	927
R319553	0.47	7	0.06	4.32	4.9	350	2.56	0.36	16.95	0.02	60.4	24.1	26	6.62	145.0
R319554	0.92	8	0.06	6.97	6.7	1520	2.01	0.11	3.64	<0.02	116.0	46.7	41	12.80	212
R319555	0.75	8	0.07	6.83	7.0	1480	2.32	0.11	4.07	<0.02	112.5	47.8	48	12.40	210

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045863

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319521A	9.56	18.50	0.49	2.3	0.084	0.86	11.0	14.9	4.07	1040	2.05	2.24	7.0	59.8	600
R319521B	9.43	19.25	0.14	2.3	0.086	0.85	11.4	15.0	4.02	1020	2.06	2.20	7.1	61.2	590
R319522	9.26	19.50	<0.05	2.1	0.114	0.76	9.0	14.2	3.88	992	2.49	1.98	6.4	71.8	530
R319523	1.88	13.05	0.06	3.3	0.041	0.60	42.9	17.4	0.61	246	11.30	3.90	29.8	15.0	70
R319524	9.27	19.30	0.30	2.1	0.095	0.97	10.2	17.5	3.97	940	3.61	2.39	6.6	65.2	570
R319525	9.91	19.15	0.05	2.2	0.107	0.89	11.7	18.2	4.23	1240	2.61	2.42	6.7	64.9	590
R319526	9.36	19.20	0.07	2.1	0.096	0.57	11.7	39.2	4.82	1160	0.92	2.62	6.0	61.5	550
R319527	9.68	18.30	0.10	2.0	0.089	0.60	10.8	12.8	3.90	1180	1.25	1.95	5.9	60.6	560
R319528	2.37	7.70	<0.05	1.6	0.019	0.85	12.2	6.0	0.64	341	0.30	1.34	3.3	19.3	200
R319529	9.70	18.60	<0.05	2.0	0.125	0.69	10.5	17.0	4.01	1080	1.33	2.05	5.8	70.6	540
R319530	9.47	19.55	0.05	4.3	0.082	0.75	32.6	28.8	3.64	938	3.67	2.20	35.3	68.4	2380
R319531	9.92	21.7	0.14	7.0	0.082	1.13	52.4	39.7	3.23	946	5.56	2.49	72.8	78.2	4710
R319532	10.25	22.0	0.11	7.2	0.086	1.16	50.0	36.7	3.25	1050	8.31	2.56	71.7	79.4	4730
R319533	10.25	21.9	0.10	7.7	0.073	1.03	57.4	35.6	3.19	1150	2.32	2.84	72.2	86.3	4610
R319534	10.85	22.5	0.09	7.7	0.077	1.23	58.7	40.8	3.46	1120	4.35	2.75	73.5	97.1	4730
R319535	10.60	21.4	0.08	7.1	0.079	1.12	53.6	39.8	3.33	1090	3.01	2.46	68.7	92.6	4390
R319536	5.10	16.80	<0.05	0.2	0.165	2.44	15.4	31.6	0.75	1170	20.3	0.70	4.5	19.1	760
R319537	10.85	23.0	0.11	7.6	0.080	1.17	55.5	30.5	3.25	1200	3.92	2.23	71.1	98.4	4480
R319538	10.30	22.1	0.09	7.4	0.074	1.17	52.7	27.6	3.09	1110	8.52	2.27	70.1	91.0	4490
R319539	10.80	22.3	0.07	7.5	0.076	1.05	55.2	28.7	3.12	1240	4.69	2.15	70.8	90.8	4570
R319540	10.70	22.7	0.11	7.4	0.070	1.29	47.3	28.5	3.21	1100	10.65	2.21	70.9	91.6	4710
R319541	10.60	22.3	0.09	7.2	0.084	1.29	50.6	27.3	3.14	1180	3.74	2.10	67.2	82.0	4700
R319542	10.15	22.2	0.12	7.3	0.086	0.96	49.2	29.8	3.12	1200	3.16	2.16	67.3	80.4	4610
R319543	3.89	16.95	<0.05	4.9	0.031	1.21	26.4	14.1	1.11	607	6.67	2.47	41.5	28.4	1740
R319544	1.04	14.20	0.08	3.7	0.011	3.14	24.4	6.7	0.14	195	1.67	2.04	23.9	7.4	140
R319545	1.16	14.50	0.10	3.7	0.013	2.78	38.5	6.7	0.15	206	1.12	1.96	23.1	8.8	170
R319546	9.99	30.4	0.85	3.4	0.037	2.16	760	26.1	1.09	891	18.40	0.05	50.1	7.4	1230
R319547	0.97	13.95	0.08	3.4	0.028	2.74	41.3	5.6	0.12	209	2.41	2.21	23.6	10.0	80
R319548	0.84	14.40	0.11	3.6	0.011	2.99	53.2	2.9	0.08	158	1.05	2.19	27.8	5.6	50
R319549	0.77	14.35	0.10	3.5	0.012	2.37	39.8	3.1	0.07	185	1.23	2.44	28.4	5.3	40
R319550	6.04	17.10	0.07	2.5	0.065	1.39	23.7	20.2	2.69	749	3.45	2.38	13.0	42.6	350
R319551	8.82	17.80	<0.05	2.0	0.094	1.10	12.2	18.7	4.01	1080	2.15	2.11	5.6	56.7	540
R319552	7.61	19.85	<0.05	2.6	0.112	2.02	23.1	47.7	3.50	1190	1.68	2.13	15.4	68.2	730
R319553	4.46	10.05	<0.05	3.3	0.037	1.93	31.8	68.0	1.93	640	0.22	0.27	30.7	42.1	1500
R319554	8.48	16.70	0.13	7.1	0.072	4.12	58.9	52.0	3.22	799	1.22	0.69	67.2	102.0	3370
R319555	8.52	17.35	0.13	7.0	0.066	3.88	57.1	55.7	3.29	776	1.08	0.67	65.4	101.5	3210

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045863

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319521A		2.5	64.2	0.002	0.08	1.62	49.6	2	1.0	267	0.44	0.05	2.1	0.593	0.27	0.7
R319521B		2.2	65.0	0.002	0.08	1.61	52.2	2	0.9	266	0.43	0.07	2.1	0.588	0.26	0.6
R319522		2.5	56.1	0.003	0.12	1.50	51.8	2	2.2	268	0.38	0.05	1.7	0.561	0.22	1.5
R319523		8.9	26.3	0.005	0.09	1.11	5.0	1	0.8	208	3.06	0.09	24.1	0.107	0.10	4.5
R319524		2.3	77.6	<0.002	0.09	1.73	51.7	2	1.6	360	0.40	0.06	1.9	0.580	0.28	1.1
R319525		2.2	70.0	0.002	0.10	1.57	53.9	2	1.1	353	0.41	<0.05	1.9	0.613	0.25	0.7
R319526		2.0	30.5	<0.002	0.06	1.19	52.2	2	0.9	157.0	0.37	<0.05	1.7	0.580	0.13	0.6
R319527		3.1	38.5	<0.002	0.09	1.09	51.4	2	0.8	258	0.35	<0.05	1.7	0.573	0.13	0.5
R319528		7.4	28.4	<0.002	<0.01	0.14	8.0	<1	0.5	186.5	0.25	<0.05	2.4	0.208	0.13	0.6
R319529		6.0	48.1	<0.002	0.34	1.32	49.8	4	1.3	305	0.36	0.14	1.7	0.561	0.17	0.8
R319530		3.1	50.7	0.002	0.11	1.16	40.9	2	2.1	353	2.31	<0.05	2.8	1.360	0.19	0.9
R319531		2.3	74.8	0.004	0.06	0.98	29.4	3	2.8	437	4.78	0.08	4.2	2.24	0.24	1.3
R319532		2.5	72.7	0.002	0.07	0.95	29.2	3	3.1	439	4.73	<0.05	4.6	2.23	0.27	1.7
R319533		2.6	65.8	<0.002	0.06	1.06	28.9	3	3.2	449	4.77	<0.05	5.0	2.21	0.24	2.1
R319534		5.3	75.5	0.003	0.06	0.80	29.7	3	2.5	466	4.75	<0.05	5.1	2.24	0.25	1.8
R319535		2.9	69.5	0.002	0.05	0.79	28.6	3	2.1	420	4.49	0.06	4.7	2.34	0.25	1.3
R319536		76.8	90.7	0.190	2.86	1.88	7.4	5	2.0	201	0.32	0.62	4.7	0.184	1.31	0.9
R319537		2.7	77.2	0.003	0.06	0.90	29.9	3	3.1	491	4.73	<0.05	4.8	2.31	0.28	1.8
R319538		2.4	75.6	0.002	0.06	0.83	28.6	3	3.8	499	4.58	<0.05	4.7	2.21	0.29	2.2
R319539		2.4	65.8	0.002	0.04	0.78	28.7	3	3.4	500	4.64	<0.05	4.8	2.30	0.24	1.8
R319540		2.8	80.2	0.004	0.46	0.98	28.8	5	5.5	481	4.64	0.10	4.5	2.30	0.31	3.2
R319541		2.2	85.4	<0.002	0.09	0.92	29.3	3	4.4	468	4.69	<0.05	4.0	2.39	0.35	2.4
R319542		4.7	62.8	<0.002	0.26	1.21	29.1	4	8.6	428	4.77	0.09	4.0	2.42	0.24	4.2
R319543		5.1	58.3	<0.002	0.21	0.73	10.7	3	3.8	202	3.68	<0.05	17.6	0.943	0.24	5.7
R319544		4.1	100.0	<0.002	0.02	0.50	2.1	1	0.8	105.5	2.58	<0.05	20.5	0.079	0.51	4.0
R319545		3.3	98.9	<0.002	0.06	0.54	2.3	1	1.0	93.9	2.45	<0.05	20.9	0.084	0.48	4.0
R319546		22.5	186.5	0.095	0.09	1.04	8.7	11	7.6	21.0	2.09	0.13	36.2	0.332	0.67	385
R319547		5.2	85.6	<0.002	0.05	0.39	1.8	3	0.9	129.0	2.74	<0.05	22.9	0.060	0.46	5.2
R319548		4.5	93.9	<0.002	0.01	0.38	1.1	1	0.7	135.0	3.15	<0.05	25.4	0.061	0.49	5.4
R319549		4.7	76.3	<0.002	0.02	0.70	1.1	1	0.7	145.5	3.16	<0.05	21.7	0.062	0.41	4.5
R319550		3.9	87.2	0.002	0.04	1.68	33.5	2	2.4	217	1.29	0.15	9.9	0.378	0.37	3.0
R319551		2.2	96.7	<0.002	0.04	1.70	51.6	1	1.6	251	0.36	<0.05	1.6	0.562	0.36	0.9
R319552		5.9	133.5	<0.002	0.10	1.26	49.5	3	3.4	191.5	1.03	0.06	4.0	0.647	0.52	3.7
R319553		8.5	70.4	<0.002	0.01	2.41	10.1	2	0.7	113.0	2.21	<0.05	1.9	0.828	0.21	7.8
R319554		6.5	283	0.002	0.17	1.00	23.5	3	1.5	153.0	4.83	<0.05	4.1	1.920	1.23	3.7
R319555		6.6	258	<0.002	0.18	1.22	23.5	3	1.5	128.5	4.75	<0.05	4.0	1.870	1.07	5.5

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045863

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319521A	289	0.6	28.1	51	83.5	4.58	3.02	1.14	3.88	1.03	0.49	12.3	2.96	3.37	0.69
R319521B	282	0.6	28.7	51	85.5	4.43	2.99	1.13	3.85	1.00	0.47	12.8	3.04	3.50	0.67
R319522	277	1.1	30.5	55	73.9	4.84	3.26	1.13	4.16	1.08	0.50	12.9	3.00	3.56	0.72
R319523	31	0.6	15.5	29	98.5	2.43	1.50	0.38	2.57	0.50	0.29	22.2	7.30	3.66	0.40
R319524	286	0.8	29.3	51	77.1	4.68	3.14	1.11	4.10	1.05	0.47	12.5	2.93	3.47	0.69
R319525	306	0.6	29.5	56	81.7	4.62	3.11	1.08	3.92	1.05	0.49	12.4	2.93	3.42	0.67
R319526	304	0.6	27.3	62	75.4	4.40	3.06	1.00	3.70	0.97	0.46	11.3	2.68	3.13	0.64
R319527	292	0.5	26.9	66	73.8	4.30	2.87	1.04	3.65	0.96	0.46	11.4	2.69	3.12	0.65
R319528	64	0.2	7.6	26	59.1	1.40	0.83	0.50	1.57	0.28	0.13	10.4	2.79	2.07	0.23
R319529	288	0.6	26.0	58	71.4	4.26	2.84	1.06	3.63	0.96	0.44	12.2	2.94	3.12	0.61
R319530	329	2.4	32.7	53	186.5	5.72	3.32	2.11	6.11	1.18	0.49	30.0	7.52	6.62	0.94
R319531	372	3.6	39.6	55	309	7.39	3.81	3.42	9.01	1.43	0.50	57.8	14.45	11.25	1.28
R319532	380	2.5	39.2	52	325	7.52	3.83	3.42	9.09	1.45	0.50	58.7	14.70	11.30	1.29
R319533	395	2.9	39.6	51	331	7.53	3.94	3.33	9.08	1.44	0.51	58.8	14.90	11.15	1.31
R319534	411	2.7	40.2	60	335	7.53	3.95	3.33	9.39	1.48	0.52	60.6	15.55	11.45	1.34
R319535	398	2.1	37.6	50	308	7.13	3.70	3.16	8.86	1.38	0.48	52.7	14.30	10.80	1.25
R319536	72	10.6	8.5	728	4.8	1.71	0.87	0.87	2.29	0.33	0.11	14.0	3.55	3.12	0.31
R319537	410	2.9	38.9	52	317	7.37	3.80	3.33	9.04	1.43	0.49	57.9	14.65	11.10	1.28
R319538	397	3.0	38.4	50	321	7.23	3.69	3.26	8.87	1.40	0.49	57.8	14.60	10.95	1.27
R319539	409	3.4	39.1	52	325	7.34	3.81	3.31	9.04	1.42	0.49	57.3	14.80	11.05	1.28
R319540	401	4.5	40.1	54	325	7.56	3.90	3.53	9.22	1.48	0.51	58.4	14.45	11.25	1.32
R319541	383	2.8	38.9	50	323	7.53	3.90	3.31	8.74	1.41	0.48	55.1	13.55	10.25	1.31
R319542	373	5.2	41.6	55	327	7.92	4.18	3.63	9.45	1.52	0.51	58.3	14.50	11.00	1.40
R319543	149	2.2	25.6	35	185.5	4.52	2.66	1.53	4.88	0.92	0.38	27.3	7.24	5.63	0.75
R319544	19	0.7	14.3	17	116.5	2.31	1.45	0.31	2.22	0.48	0.25	14.8	4.50	2.72	0.37
R319545	21	0.9	14.2	18	115.5	2.36	1.41	0.35	2.51	0.46	0.24	20.8	6.62	3.50	0.41
R319546	71	16.4	133.5	20	127.5	25.6	14.10	7.76	33.2	5.03	1.77	399	133.0	49.8	4.64
R319547	24	0.5	15.0	15	102.0	2.47	1.53	0.27	2.53	0.50	0.27	21.2	6.99	3.47	0.41
R319548	9	0.6	15.7	12	104.0	2.51	1.59	0.29	2.61	0.50	0.28	25.4	9.02	3.80	0.42
R319549	10	0.6	13.4	12	104.5	2.16	1.45	0.25	2.16	0.45	0.26	20.6	6.82	3.09	0.35
R319550	182	1.1	22.6	47	83.4	3.64	2.40	0.77	3.21	0.79	0.37	15.4	4.49	3.20	0.55
R319551	280	0.9	27.5	50	73.7	4.40	2.95	1.02	3.70	0.98	0.45	12.0	2.87	3.09	0.64
R319552	261	1.6	28.8	120	99.2	4.97	3.14	1.07	4.30	1.06	0.45	20.5	5.51	4.35	0.75
R319553	137	1.9	18.7	82	154.5	3.20	1.68	1.15	3.67	0.62	0.19	25.2	6.71	4.64	0.55
R319554	303	1.3	30.2	107	333	5.77	2.87	2.55	7.27	1.08	0.36	52.9	13.90	9.19	1.03
R319555	323	1.6	30.6	108	323	5.65	2.86	2.51	7.25	1.06	0.37	51.4	13.55	8.96	1.02

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TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045863

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319521A		0.47	3.02
R319521B		0.45	2.93
R319522		0.49	3.18
R319523		0.25	1.74
R319524		0.48	3.06
R319525		0.47	3.00
R319526		0.45	2.89
R319527		0.44	2.86
R319528		0.13	0.83
R319529		0.43	2.75
R319530		0.49	3.06
R319531		0.53	3.23
R319532		0.54	3.24
R319533		0.54	3.26
R319534		0.55	3.34
R319535		0.51	3.06
R319536		0.13	0.74
R319537		0.53	3.17
R319538		0.52	3.18
R319539		0.54	3.19
R319540		0.56	3.34
R319541		0.52	3.18
R319542		0.56	3.45
R319543		0.39	2.44
R319544		0.23	1.59
R319545		0.22	1.49
R319546		2.03	12.45
R319547		0.25	1.70
R319548		0.25	1.71
R319549		0.23	1.59
R319550		0.36	2.41
R319551		0.44	2.88
R319552		0.47	3.10
R319553		0.21	1.31
R319554		0.40	2.38
R319555		0.38	2.31

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-APR-2015
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CERTIFICATE OF ANALYSIS SD 15045863

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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CERTIFICATE SD15045846

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS SD 15045846

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319556A	0.77	21	0.10	6.76	4.5	620	1.57	0.18	4.51	0.02	51.6	48.6	94	4.90	757
R319556B	<0.02	19	0.09	6.76	5.1	620	1.45	0.17	4.55	<0.02	51.7	48.7	94	4.85	752
R319557	0.76	13	0.06	6.36	2.5	1140	1.49	0.10	2.81	<0.02	29.2	16.2	53	3.93	382
R319558	2.45	15	0.24	5.67	2.2	1020	1.58	0.13	2.07	<0.02	43.3	5.2	27	3.29	242
R319559	2.01	27	0.11	5.34	5.8	1120	1.55	0.14	2.10	<0.02	41.7	5.3	11	2.60	291
R319560	1.38	10	0.22	5.35	7.3	1090	1.61	0.24	2.19	<0.02	41.6	4.6	16	2.36	352
R319561	1.17	14	0.15	7.71	7.0	640	2.16	0.82	4.13	<0.02	123.0	35.3	262	4.45	372
R319562	1.77	15	0.12	6.00	1.6	1440	1.67	0.08	1.93	<0.02	34.8	2.7	18	2.62	118.0
R319563	0.21	<5	0.02	3.38	1.9	260	0.53	0.06	1.40	0.06	22.5	6.5	55	0.62	11.0
R319564	0.69	40	0.19	7.04	11.8	800	1.89	0.65	4.92	<0.02	101.0	31.4	220	3.13	1140
R319565	1.69	9	0.05	7.72	6.8	260	1.24	0.13	4.00	<0.02	74.1	42.5	382	3.29	182.0
R319566	2.30	6	0.06	7.40	6.9	780	1.20	0.27	4.11	0.02	78.1	50.5	276	3.99	136.0
R319567	2.00	8	0.08	7.51	6.4	1590	1.69	0.25	4.40	<0.02	106.5	46.6	37	5.64	209
R319568	2.25	<5	0.03	6.45	7.4	60	0.86	0.12	4.45	<0.02	58.1	44.4	124	1.27	41.0
R319569	2.71	<5	0.02	6.72	6.7	100	1.12	0.13	4.16	<0.02	71.3	46.1	220	3.20	22.1
R319570	1.99	31	0.14	5.80	2.3	220	1.62	0.07	1.74	0.02	55.4	4.9	20	1.76	211
R319571	0.04	298	1.92	7.21	31.9	350	0.87	0.80	1.11	3.63	30.0	12.2	25	9.91	2140
R319572	1.20	9	0.25	5.25	5.8	170	1.81	0.10	2.08	0.02	46.2	6.7	19	2.04	682
R319573	1.96	<5	0.01	6.94	3.5	120	0.65	0.08	3.54	0.02	24.3	61.3	270	13.60	12.4
R319574	0.96	<5	0.01	6.92	3.4	180	1.69	0.08	3.45	<0.02	24.5	65.1	231	4.48	13.6
R319575	1.68	<5	0.03	6.02	2.6	100	2.15	0.07	2.00	<0.02	65.9	14.7	60	3.36	16.9
R319576	1.94	<5	0.01	7.25	6.1	170	1.08	0.10	4.21	<0.02	43.0	49.1	128	4.19	12.1
R319577	1.93	<5	0.01	7.40	7.2	160	0.81	0.10	4.05	<0.02	32.6	56.4	104	4.96	43.5
R319578	1.44	<5	0.03	7.86	7.1	140	0.92	0.09	3.84	0.02	30.1	57.0	99	6.15	11.3
R319579	0.86	<5	0.35	8.35	7.5	160	0.76	0.07	4.23	0.04	22.5	53.1	95	4.73	28.8
R319580	0.54	<5	0.02	8.24	8.3	220	0.72	0.10	5.10	<0.02	30.2	51.4	90	4.02	19.9
R319581	<0.02	<5	0.46	5.26	16.0	170	7.28	0.48	1.11	0.03	>500	49.6	28	2.37	416
R319582	0.66	9	0.08	8.44	9.8	340	0.94	0.18	5.54	0.03	34.9	44.3	97	6.30	774
R319583	1.62	75	0.06	7.39	10.1	440	1.65	0.13	6.70	<0.02	126.5	49.5	43	6.73	948
R319584	1.04	39	0.09	7.45	11.0	520	1.81	0.27	6.50	0.03	137.5	42.7	44	6.89	665
R319585	0.77	44	0.21	6.27	8.4	440	2.03	0.25	6.39	<0.02	113.0	45.1	50	2.84	923
R319586	0.50	26	0.09	7.18	10.0	300	2.21	0.17	6.57	<0.02	161.5	29.5	42	4.41	720
R319587	1.85	84	0.91	6.32	5.3	1350	1.82	0.54	1.81	0.06	50.9	17.9	19	2.08	1900
R319588	0.87	25	0.36	6.33	2.9	1490	1.60	0.17	1.48	<0.02	57.0	9.1	12	1.83	568
R319589	0.45	14	0.53	6.21	13.1	1270	1.69	0.42	1.68	0.02	64.6	65.2	10	2.10	723
R319590	0.36	22	0.51	6.33	10.9	1300	1.79	0.32	1.59	<0.02	60.5	50.6	12	2.14	649

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045846

Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R319556A	9.50	18.15	0.11	3.5	0.107	2.55	24.7	41.7	3.82	1200	1.91	1.57	21.7	70.4	1250
R319556B	9.54	18.05	0.12	3.4	0.107	2.53	25.0	39.3	3.84	1210	1.63	1.57	21.6	70.4	1250
R319557	3.79	14.90	0.12	3.3	0.032	3.86	15.0	18.5	1.10	485	1.19	1.64	23.5	24.2	270
R319558	1.27	14.10	0.20	3.7	0.013	3.62	22.4	12.6	0.21	192	10.70	1.57	23.7	10.0	150
R319559	1.17	14.25	0.15	3.7	0.013	3.81	20.9	8.8	0.14	240	57.2	1.78	23.7	11.0	160
R319560	1.06	14.40	0.20	3.7	0.016	3.54	21.0	7.5	0.10	245	407	2.00	24.8	10.3	150
R319561	8.12	20.5	0.17	5.4	0.055	1.94	63.5	50.7	2.77	1340	210	2.50	55.2	122.5	1430
R319562	1.15	13.45	0.18	4.1	0.010	4.40	17.8	12.2	0.20	179	163.5	1.72	29.8	7.2	130
R319563	2.35	7.43	0.09	1.6	0.017	0.81	12.3	5.8	0.62	341	0.74	1.26	3.2	19.0	190
R319564	7.70	19.65	0.15	4.1	0.071	2.28	52.0	33.2	1.75	694	118.0	2.28	45.8	91.1	580
R319565	10.05	21.3	0.11	4.7	0.069	0.79	36.0	35.0	4.21	766	2.52	3.51	50.4	164.0	1010
R319566	9.36	20.7	0.14	5.5	0.068	1.45	37.3	44.3	4.74	986	3.82	2.48	56.5	165.5	1820
R319567	8.64	19.60	0.18	7.5	0.070	2.79	50.6	58.8	4.19	1190	1.61	1.11	67.5	107.0	3340
R319568	11.75	22.1	0.12	4.9	0.070	0.38	27.0	19.9	3.41	691	2.35	3.52	9.9	171.5	990
R319569	9.85	23.0	0.10	4.8	0.063	0.58	35.7	24.0	3.60	776	2.50	3.09	26.3	154.0	900
R319570	0.99	14.05	0.11	3.5	0.012	1.13	28.9	5.0	0.19	212	1.71	2.88	23.3	10.4	80
R319571	4.82	16.90	0.09	0.2	0.172	2.30	15.2	31.3	0.69	1100	19.00	0.66	4.4	19.3	720
R319572	0.84	13.55	0.13	3.4	0.016	1.00	23.7	7.6	0.10	219	1.17	2.81	22.8	11.5	50
R319573	7.07	20.5	0.10	2.4	0.053	1.63	10.9	34.4	5.57	779	0.36	2.32	5.8	140.0	520
R319574	7.41	23.6	0.08	2.6	0.041	0.88	11.8	44.7	5.18	753	2.85	2.64	5.6	150.5	560
R319575	1.77	16.30	0.15	3.3	0.007	0.80	35.1	16.5	0.76	264	12.05	2.89	24.6	33.9	130
R319576	11.55	26.6	0.08	4.9	0.051	0.86	19.3	27.4	3.45	592	1.82	3.18	10.6	149.5	970
R319577	10.65	25.3	0.09	3.8	0.046	1.22	14.8	38.2	3.73	591	0.47	2.78	7.8	165.0	820
R319578	10.05	24.7	<0.05	3.6	0.052	1.39	11.9	55.4	4.00	518	0.87	2.94	8.2	169.5	820
R319579	8.29	25.2	<0.05	2.8	0.054	1.17	8.6	67.3	3.78	515	0.61	3.05	6.4	164.5	680
R319580	8.66	27.9	<0.05	2.4	0.045	1.46	13.9	56.1	3.02	549	0.55	2.70	5.5	164.5	560
R319581	10.40	29.2	0.84	3.6	0.039	2.29	780	28.0	1.13	947	20.1	0.05	56.3	8.7	1240
R319582	8.90	29.0	0.05	3.0	0.083	1.98	15.1	42.9	2.60	587	1.60	2.48	7.9	151.5	730
R319583	10.15	21.8	0.10	8.1	0.085	1.32	57.2	26.3	3.35	683	4.29	2.23	63.6	112.0	3950
R319584	9.87	22.3	0.11	8.1	0.087	1.49	61.3	27.2	3.40	740	15.05	2.22	65.9	107.0	4020
R319585	9.38	21.0	0.11	7.5	0.087	1.83	50.4	53.4	3.58	652	6.26	2.08	60.1	120.5	3650
R319586	8.94	20.7	0.13	7.6	0.111	1.30	68.5	26.3	3.26	841	71.4	2.13	62.7	95.0	3750
R319587	1.38	15.20	0.10	4.0	0.056	3.95	27.3	10.9	0.25	233	23.3	1.84	28.1	18.9	250
R319588	1.08	14.70	0.11	3.8	0.033	4.39	31.6	7.3	0.14	222	19.80	1.76	25.4	11.0	160
R319589	1.19	14.40	0.13	3.7	0.032	3.91	35.3	6.7	0.14	243	43.5	1.81	24.0	11.5	170
R319590	1.14	15.15	0.13	3.9	0.032	4.06	33.5	6.7	0.14	234	41.8	1.81	25.0	10.2	160

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045846

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319556A		3.8	157.0	<0.002	0.13	0.73	46.8	3	1.8	139.0	1.44	0.05	2.4	0.921	0.63	2.7
R319556B		3.7	155.5	<0.002	0.12	0.69	46.7	3	1.8	137.5	1.45	<0.05	2.3	0.939	0.64	2.7
R319557		5.1	137.0	<0.002	0.05	0.83	17.5	2	1.1	135.5	2.42	<0.05	16.3	0.243	0.75	4.8
R319558		6.5	108.5	<0.002	0.05	0.63	2.3	2	0.9	92.0	2.49	<0.05	16.5	0.080	0.60	4.2
R319559		5.1	105.5	<0.002	0.10	0.53	2.3	2	0.9	108.0	2.42	<0.05	13.2	0.086	0.58	3.1
R319560		5.3	100.0	0.093	0.15	0.48	1.7	17	1.4	115.5	2.54	<0.05	12.2	0.094	0.56	2.8
R319561		7.6	93.9	0.014	0.22	0.84	21.7	10	4.5	196.0	3.75	<0.05	6.3	1.000	0.46	3.7
R319562		4.3	113.0	0.010	0.02	0.54	1.9	6	1.1	111.5	3.26	<0.05	18.8	0.082	0.63	4.8
R319563		7.2	28.9	<0.002	<0.01	0.12	8.0	<1	0.5	179.0	0.23	<0.05	2.5	0.217	0.13	0.6
R319564		7.2	80.6	<0.002	0.48	1.21	18.5	6	4.2	169.5	3.45	0.09	13.0	0.462	0.37	4.1
R319565		2.2	44.3	<0.002	0.03	1.00	23.6	1	2.8	207	3.23	<0.05	2.0	0.894	0.20	2.0
R319566		3.3	87.1	<0.002	0.09	1.47	24.3	1	2.0	232	3.62	<0.05	2.9	1.240	0.48	1.3
R319567		6.6	139.5	0.002	0.17	1.47	24.0	2	1.5	253	4.76	<0.05	4.2	1.915	0.79	0.9
R319568		6.0	30.8	<0.002	<0.01	0.95	31.2	1	3.1	195.5	0.65	<0.05	2.1	1.505	0.13	1.7
R319569		3.4	55.3	<0.002	<0.01	0.80	26.5	1	3.6	203	1.59	<0.05	2.8	1.165	0.23	2.4
R319570		3.9	61.2	<0.002	0.01	0.54	1.8	1	1.0	143.0	2.47	<0.05	21.9	0.094	0.33	4.0
R319571		75.4	96.3	0.181	2.83	1.94	7.7	5	2.0	190.0	0.33	0.67	4.3	0.174	1.43	1.0
R319572		4.4	52.6	<0.002	0.04	0.87	1.0	1	0.9	165.0	2.56	<0.05	19.0	0.050	0.26	3.3
R319573		1.3	124.0	<0.002	<0.01	0.56	27.3	1	2.0	146.0	0.35	<0.05	1.0	0.792	0.74	0.7
R319574		1.7	37.4	<0.002	<0.01	0.56	29.4	1	2.8	116.0	0.33	<0.05	0.8	0.823	0.29	1.3
R319575		5.3	52.3	0.002	0.01	0.78	6.4	<1	1.2	190.5	2.57	<0.05	20.7	0.196	0.26	3.6
R319576		2.0	77.4	<0.002	<0.01	0.90	30.0	1	3.1	281	0.68	0.05	2.6	1.505	0.29	1.9
R319577		2.1	75.0	<0.002	<0.01	0.98	23.4	1	1.8	346	0.52	<0.05	1.4	1.250	0.42	0.6
R319578		2.2	66.8	<0.002	<0.01	0.79	23.2	2	1.6	410	0.52	<0.05	1.3	1.265	0.44	0.5
R319579		2.8	41.1	<0.002	<0.01	0.72	19.1	1	1.1	527	0.41	<0.05	0.9	1.065	0.40	0.3
R319580		3.4	58.4	<0.002	<0.01	0.93	16.4	1	1.6	486	0.36	<0.05	0.8	0.917	0.52	0.9
R319581		23.3	193.5	0.093	0.09	1.01	9.2	11	7.8	21.0	2.13	0.09	37.1	0.323	0.66	386
R319582		4.2	84.8	<0.002	0.08	1.51	18.5	3	1.8	634	0.52	<0.05	1.0	1.070	0.69	1.0
R319583		2.2	109.5	0.003	0.11	1.23	30.2	3	2.6	451	4.00	<0.05	3.9	2.24	0.43	1.6
R319584		2.7	131.5	0.003	0.10	1.31	31.8	3	5.3	389	4.03	0.08	4.0	2.31	0.51	2.7
R319585		4.4	98.6	0.003	0.06	1.07	29.1	4	3.7	104.5	3.69	0.06	3.7	2.17	0.39	5.7
R319586		3.3	103.5	0.010	0.09	0.99	29.3	3	10.3	315	3.81	<0.05	4.2	2.10	0.42	4.8
R319587		135.0	111.5	0.003	0.20	0.65	3.3	2	1.5	113.0	2.74	0.05	21.0	0.140	0.54	4.4
R319588		4.1	119.5	0.002	0.11	0.31	2.6	1	1.2	105.5	2.51	<0.05	20.4	0.084	0.56	3.9
R319589		4.4	114.5	0.007	0.24	0.40	2.4	2	1.2	97.1	2.48	0.14	19.2	0.083	0.55	3.5
R319590		4.3	120.0	0.005	0.19	0.38	2.5	2	1.2	100.0	2.49	0.07	19.9	0.082	0.57	3.8

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CERTIFICATE OF ANALYSIS SD 15045846

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319556A	317	1.1	28.6	78	143.0	5.10	3.14	1.43	4.94	1.08	0.47	25.5	6.23	5.10	0.79
R319556B	323	1.1	28.6	78	139.0	5.09	3.17	1.44	4.99	1.09	0.46	25.6	6.18	5.09	0.81
R319557	109	0.7	18.0	34	100.0	3.09	2.08	0.48	2.65	0.67	0.36	12.5	3.20	2.78	0.48
R319558	28	0.7	10.2	18	114.5	1.94	1.30	0.29	1.93	0.41	0.24	14.6	4.27	2.46	0.31
R319559	26	0.7	8.7	16	112.5	1.81	1.16	0.32	1.81	0.38	0.22	14.4	4.12	2.44	0.30
R319560	22	0.9	9.1	16	114.5	1.86	1.23	0.29	1.93	0.39	0.23	14.6	4.17	2.53	0.31
R319561	203	1.8	30.8	137	222	5.67	3.04	1.97	6.79	1.13	0.39	48.8	13.80	8.64	1.00
R319562	20	0.9	11.8	16	116.0	2.11	1.47	0.24	1.96	0.47	0.27	13.0	3.64	2.57	0.34
R319563	62	0.2	7.8	26	60.1	1.45	0.91	0.49	1.58	0.30	0.13	11.0	2.77	2.07	0.24
R319564	167	0.9	27.8	89	143.0	5.22	2.95	1.11	5.26	1.04	0.38	37.6	10.60	6.49	0.86
R319565	237	0.6	23.8	77	199.0	4.67	2.47	1.90	5.56	0.93	0.32	35.1	8.59	6.83	0.81
R319566	246	1.8	25.1	107	249	4.85	2.51	2.08	6.08	0.93	0.32	38.2	9.18	7.31	0.87
R319567	275	1.0	30.0	126	333	5.99	2.97	2.47	7.50	1.13	0.38	51.3	13.15	9.23	1.06
R319568	392	0.8	30.5	53	182.5	6.04	2.99	2.18	6.75	1.16	0.35	30.8	7.05	7.05	1.07
R319569	281	1.2	31.5	48	186.5	6.16	3.17	2.06	6.98	1.20	0.37	34.5	8.23	7.51	1.07
R319570	16	0.3	13.9	9	102.5	2.19	1.49	0.28	2.25	0.47	0.27	18.1	5.39	2.96	0.37
R319571	67	9.0	8.7	692	4.8	1.72	0.89	0.86	2.38	0.33	0.12	14.9	3.50	3.09	0.33
R319572	10	0.3	10.2	12	96.7	1.80	1.22	0.20	1.82	0.37	0.24	15.3	4.48	2.54	0.31
R319573	250	0.8	19.9	48	91.4	3.78	2.05	0.94	3.80	0.78	0.25	14.2	3.07	3.69	0.63
R319574	246	1.1	21.4	48	95.6	4.00	2.28	1.02	3.92	0.83	0.27	13.4	2.99	3.55	0.65
R319575	47	0.5	16.2	21	98.0	2.70	1.65	0.48	2.87	0.56	0.27	22.4	6.48	3.85	0.45
R319576	359	1.4	33.3	37	182.5	6.56	3.45	2.05	7.04	1.26	0.37	26.2	5.57	7.02	1.10
R319577	304	1.2	22.4	44	138.5	4.64	2.29	1.62	5.14	0.88	0.26	19.4	4.11	5.25	0.81
R319578	309	1.3	22.0	41	135.0	4.40	2.21	1.54	4.75	0.84	0.25	16.9	3.74	4.74	0.75
R319579	281	1.2	16.5	37	107.5	3.37	1.67	1.18	3.65	0.64	0.20	12.5	2.81	3.56	0.58
R319580	260	1.1	15.2	48	92.0	3.07	1.58	1.11	3.19	0.59	0.19	13.1	3.29	3.27	0.51
R319581	75	18.8	137.5	23	129.5	25.9	14.15	7.90	33.9	5.16	1.89	410	137.0	51.4	4.70
R319582	277	1.1	17.5	40	110.5	3.63	1.80	1.76	4.22	0.70	0.21	16.8	3.98	4.33	0.65
R319583	392	2.1	41.6	40	345	8.07	4.15	3.19	9.69	1.57	0.54	60.3	15.30	11.75	1.41
R319584	405	2.6	42.8	56	353	7.99	4.18	3.27	9.80	1.55	0.55	64.2	16.60	12.50	1.40
R319585	431	2.6	40.3	59	321	7.56	3.93	2.96	9.31	1.46	0.50	56.4	14.15	11.50	1.34
R319586	379	2.7	47.4	67	327	8.92	4.79	3.33	10.65	1.76	0.62	70.5	18.75	13.10	1.55
R319587	33	0.6	14.2	23	127.0	2.36	1.46	0.40	2.35	0.49	0.26	15.4	4.75	3.00	0.38
R319588	23	0.4	13.9	20	120.5	2.21	1.41	0.37	2.26	0.46	0.26	15.9	5.11	2.89	0.35
R319589	26	0.4	13.0	20	119.5	2.12	1.34	0.36	2.15	0.44	0.25	17.2	5.62	2.94	0.35
R319590	25	0.5	14.0	18	126.0	2.25	1.40	0.37	2.23	0.46	0.25	16.5	5.35	2.93	0.36

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045846

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319556A		0.46	2.92
R319556B		0.46	2.91
R319557		0.33	2.20
R319558		0.20	1.43
R319559		0.19	1.29
R319560		0.19	1.35
R319561		0.41	2.57
R319562		0.24	1.61
R319563		0.12	0.80
R319564		0.41	2.52
R319565		0.34	2.08
R319566		0.34	2.05
R319567		0.40	2.40
R319568		0.40	2.32
R319569		0.44	2.57
R319570		0.23	1.61
R319571		0.12	0.72
R319572		0.20	1.35
R319573		0.27	1.70
R319574		0.30	1.91
R319575		0.26	1.70
R319576		0.46	2.69
R319577		0.30	1.78
R319578		0.30	1.77
R319579		0.23	1.33
R319580		0.22	1.28
R319581		2.12	12.60
R319582		0.25	1.43
R319583		0.57	3.39
R319584		0.58	3.52
R319585		0.55	3.23
R319586		0.68	4.16
R319587		0.25	1.63
R319588		0.23	1.57
R319589		0.22	1.47
R319590		0.23	1.54

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Finalized Date: 9-APR-2015
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CERTIFICATE OF ANALYSIS SD 15045846

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE SD15045847

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

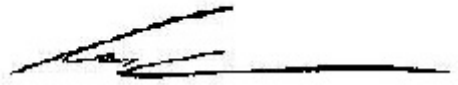
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045847

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319591A	0.79	15	0.38	6.30	4.3	1380	1.49	0.26	1.42	<0.02	54.7	19.8	22	2.14	513
R319591B	<0.02	12	0.63	6.25	4.6	1380	1.55	0.28	1.46	<0.02	57.7	20.8	19	2.28	518
R319592	2.02	<5	1.03	6.07	2.7	1460	1.55	0.20	1.61	<0.02	55.8	19.4	31	2.56	255
R319593	1.76	<5	0.27	6.13	2.8	1270	1.74	0.18	1.59	<0.02	40.8	6.5	16	1.96	298
R319594	0.60	6	0.28	5.95	4.4	1630	1.95	0.26	3.17	<0.02	20.3	7.2	23	1.95	207
R319595	0.85	154	0.12	7.39	11.1	330	1.89	0.19	6.69	<0.02	125.5	35.0	46	5.66	2160
R319596	1.06	24	0.01	6.96	12.6	320	1.49	0.11	6.13	<0.02	92.8	31.9	44	8.17	297
R319597	1.89	10	<0.01	7.12	10.6	290	1.40	0.11	6.40	0.02	107.5	41.4	47	7.11	299
R319598	0.28	<5	0.03	3.24	1.6	240	0.50	0.06	1.36	0.07	20.2	5.7	53	0.57	11.3
R319599	0.58	5	0.03	8.65	6.1	290	0.72	0.11	4.54	0.02	16.10	37.0	66	8.04	134.0
R319600	0.56	24	0.04	9.04	7.8	300	0.59	0.11	5.56	0.03	17.20	35.9	62	5.79	257
R319601	2.25	<5	0.03	8.44	7.0	260	0.60	0.12	5.15	0.02	16.35	44.7	84	5.08	171.0
R319602	1.30	<5	0.01	8.97	6.2	180	0.63	0.13	5.05	0.02	22.0	36.2	85	3.04	18.5
R319603	1.15	154	0.35	8.62	11.2	240	0.99	0.35	4.74	<0.02	30.6	51.3	85	1.58	2230
R319604	2.11	27	0.75	8.38	10.5	240	0.87	0.32	4.42	0.02	22.6	42.1	129	4.15	1890
R319605	0.73	<5	<0.01	7.98	13.1	90	0.71	0.67	10.45	0.17	37.7	28.2	217	0.63	6.2
R319606	0.04	320	2.00	7.73	29.5	380	0.78	0.87	1.19	3.64	32.2	11.5	27	9.70	2240
R319607	0.77	<5	<0.01	8.17	56.3	170	0.49	0.28	7.42	<0.02	27.0	34.5	243	1.01	4.1
R319608	2.52	30	0.08	6.71	5.1	70	0.46	0.17	8.69	0.04	31.5	60.9	191	0.48	373
R319609	1.77	<5	0.02	7.58	5.0	70	0.43	0.15	11.10	0.05	28.6	65.0	215	0.40	49.6
R319610	1.94	<5	0.01	7.24	2.8	410	1.25	0.07	5.90	0.02	124.5	50.0	50	3.39	320
R319611	1.51	<5	0.01	7.24	7.5	170	0.77	0.16	8.62	0.04	42.0	45.6	218	1.07	26.7
R319612	1.01	<5	0.01	6.81	5.1	250	0.83	0.09	6.69	<0.02	30.4	39.0	247	1.39	36.3
R319613	2.06	<5	<0.01	6.76	8.8	20	0.45	0.29	9.22	<0.02	20.8	50.2	205	0.19	2.4
R319614	2.61	<5	0.01	7.10	10.8	10	0.33	0.37	9.20	<0.02	23.3	39.3	218	0.07	1.3
R319615	1.17	<5	<0.01	7.00	7.5	30	0.54	0.24	8.75	<0.02	32.0	49.6	124	1.03	4.3
R319616	0.02	21	0.44	5.23	15.8	170	5.65	0.47	1.12	0.04	>500	44.8	28	2.36	398
R319617	0.60	<5	0.06	7.70	4.8	80	0.64	0.10	8.22	<0.02	21.8	50.3	111	2.56	61.0
R319618	1.97	6	0.06	7.06	4.2	230	0.77	0.12	6.20	0.35	39.0	44.6	76	2.50	161.5
R319619	0.75	<5	0.02	7.84	16.5	40	1.47	0.18	9.93	0.09	12.50	33.1	282	4.79	2.4
R319620	0.78	<5	0.01	7.18	9.9	60	0.32	0.22	7.56	0.02	21.6	37.6	379	1.69	1.5
R319621	0.61	<5	0.03	8.30	15.2	20	0.50	0.21	10.45	0.11	13.25	20.4	385	0.54	6.8
R319622	0.94	<5	<0.01	6.52	8.6	90	0.41	0.10	6.83	0.02	6.90	52.1	371	2.79	2.7
R319623	1.08	9	0.01	7.16	6.4	30	0.25	0.14	3.58	0.02	10.25	26.0	353	0.41	2.6
R319624	1.22	11	0.01	7.33	6.5	20	0.43	0.15	5.96	0.02	9.71	41.1	383	0.28	2.9
R319625	0.92	6	0.01	7.44	7.1	20	0.41	0.14	6.00	0.02	9.90	42.1	396	0.32	2.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045847

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319591A	0.96	13.50	0.15	3.6	0.021	3.95	31.9	5.6	0.14	197	14.30	1.62	21.1	8.6	150
R319591B	0.98	14.15	0.19	3.9	0.029	3.90	32.7	6.2	0.14	199	14.00	1.62	22.4	9.7	150
R319592	1.10	13.65	0.17	3.4	0.018	4.13	31.8	9.2	0.18	187	14.70	1.48	21.9	8.4	150
R319593	1.09	13.80	0.18	3.6	0.017	3.53	22.7	8.0	0.17	182	1.21	1.75	23.9	11.4	140
R319594	1.65	13.75	0.19	3.9	0.020	4.25	9.1	15.0	0.38	202	0.89	1.55	31.9	14.7	340
R319595	9.47	21.3	0.22	7.1	0.109	1.27	58.7	24.6	3.28	749	54.3	2.31	58.0	113.5	3730
R319596	10.20	21.5	0.19	6.9	0.072	1.43	42.3	30.7	3.14	695	80.1	1.82	54.1	115.0	3570
R319597	9.65	20.6	0.19	7.0	0.070	1.41	49.2	25.0	3.12	599	3.53	2.03	54.9	99.8	3640
R319598	2.15	7.12	0.09	1.6	0.019	0.75	10.7	4.5	0.60	316	0.24	1.21	2.8	17.2	190
R319599	6.42	25.1	0.13	2.4	0.042	2.00	6.0	40.4	2.14	430	0.93	2.53	6.1	81.6	620
R319600	6.15	25.5	0.14	2.3	0.041	1.70	6.8	45.4	2.24	472	0.63	2.31	4.6	70.5	510
R319601	7.49	26.6	0.12	2.4	0.055	1.51	6.2	45.4	2.84	553	0.40	2.48	5.3	127.0	580
R319602	8.34	24.6	0.11	2.3	0.045	1.13	8.6	33.4	2.46	629	0.32	3.01	4.5	107.5	520
R319603	10.90	26.1	0.12	3.3	0.081	1.46	13.0	34.0	2.22	572	0.38	2.78	7.3	120.5	820
R319604	8.59	21.6	0.12	2.4	0.074	1.16	9.3	42.1	3.36	788	8.91	2.97	5.0	144.5	550
R319605	8.94	23.1	0.12	2.1	0.315	0.47	20.5	12.7	3.15	864	0.36	0.98	5.2	120.0	590
R319606	5.20	17.90	0.14	0.2	0.181	2.48	16.0	28.0	0.76	1180	19.80	0.71	4.3	18.9	760
R319607	8.37	22.2	0.14	1.6	0.057	2.79	14.1	34.4	4.00	1040	0.30	0.83	4.4	190.5	530
R319608	9.17	15.75	0.09	2.1	0.089	0.17	14.8	10.9	3.97	1390	0.33	1.41	8.2	211	710
R319609	11.35	19.80	0.11	1.8	0.100	0.20	13.7	6.1	3.20	1350	1.14	0.64	5.8	157.5	610
R319610	10.30	20.8	0.17	7.5	0.085	0.60	56.6	20.5	3.50	1040	1.88	1.85	49.7	99.1	4190
R319611	8.38	16.85	0.11	3.0	0.084	0.34	20.7	8.4	4.13	1260	1.31	1.75	13.0	166.0	1180
R319612	8.37	14.65	0.08	2.2	0.054	0.43	14.5	9.9	4.01	1240	3.05	2.34	7.4	183.0	670
R319613	9.64	17.00	0.07	1.7	0.212	0.09	10.0	11.6	4.37	1250	0.35	1.58	4.6	182.0	480
R319614	11.35	18.70	0.07	1.7	0.314	0.04	11.3	11.9	2.86	873	0.30	1.43	4.6	136.5	440
R319615	11.25	18.10	0.10	1.5	0.208	0.19	16.9	7.5	4.28	1060	0.32	1.61	4.5	125.5	410
R319616	10.15	27.5	0.74	3.3	0.034	2.20	760	20.7	1.11	938	17.95	0.05	48.8	8.1	1190
R319617	7.17	18.95	0.09	1.8	0.065	0.51	10.7	26.5	4.09	826	0.41	1.96	5.6	87.1	420
R319618	7.79	17.80	0.12	3.5	0.072	0.56	20.2	8.2	3.21	1080	1.28	1.69	11.1	65.3	700
R319619	7.07	30.2	0.12	1.2	0.058	0.66	5.6	57.6	4.15	759	0.28	0.27	3.0	201	280
R319620	7.97	16.25	0.10	1.4	0.090	0.59	10.3	9.4	3.80	842	0.26	1.89	3.2	221	380
R319621	8.90	26.9	0.08	1.5	0.091	0.37	6.2	16.1	2.31	667	0.99	1.04	3.1	150.5	220
R319622	9.78	12.30	0.09	1.4	0.046	0.89	3.4	13.4	4.33	962	0.41	1.67	3.3	280	370
R319623	8.71	12.70	0.10	1.2	0.051	0.36	5.0	16.1	1.49	376	0.49	3.74	3.2	151.0	330
R319624	10.80	15.00	0.08	1.4	0.045	0.31	4.7	16.7	2.98	651	0.37	2.96	3.3	254	320
R319625	10.95	14.20	0.10	1.2	0.056	0.34	4.8	14.6	3.09	707	0.32	3.18	2.9	259	440

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045847

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319591A		4.8	115.5	0.005	0.10	0.36	2.3	2	1.0	92.1	2.18	0.09	20.3	0.078	0.58	4.2
R319591B		5.7	119.0	0.005	0.10	0.36	2.4	2	1.1	94.7	2.33	0.09	20.9	0.081	0.62	4.4
R319592		4.1	111.5	<0.002	0.07	0.36	2.3	1	1.0	84.9	2.24	<0.05	19.4	0.081	0.61	4.1
R319593		3.3	108.5	<0.002	0.03	0.43	1.9	1	1.0	96.8	2.46	0.10	23.1	0.075	0.54	4.2
R319594		6.2	107.5	<0.002	0.02	0.80	4.0	1	1.0	111.5	3.25	0.06	24.4	0.202	0.62	6.7
R319595		3.6	105.0	0.005	0.21	1.24	27.7	3	5.7	338	3.50	0.05	4.3	2.22	0.47	4.4
R319596		2.4	126.0	0.008	0.03	1.34	26.8	3	5.8	387	3.46	<0.05	3.5	2.09	0.52	3.6
R319597		2.2	111.0	0.003	0.03	1.22	27.4	2	2.5	462	3.39	<0.05	3.6	2.11	0.47	1.4
R319598		7.0	24.6	<0.002	<0.01	0.13	7.1	<1	0.5	169.5	0.21	<0.05	2.4	0.212	0.13	0.6
R319599		2.8	87.5	<0.002	0.01	0.71	12.7	1	1.0	575	0.42	<0.05	0.7	0.844	0.85	0.3
R319600		5.2	88.3	<0.002	0.02	0.90	12.9	2	0.9	512	0.31	<0.05	0.8	0.835	0.74	0.3
R319601		3.6	53.9	<0.002	0.02	0.73	14.4	1	1.0	556	0.36	<0.05	0.7	0.934	0.65	0.3
R319602		3.5	61.2	<0.002	<0.01	0.75	15.2	1	1.6	488	0.31	<0.05	0.8	0.878	0.45	0.5
R319603		4.6	91.8	<0.002	0.40	1.24	17.3	4	3.0	354	0.47	0.10	1.6	1.070	0.44	1.2
R319604		2.9	75.1	0.009	0.44	0.85	19.8	4	1.8	339	0.33	0.12	1.0	0.817	0.46	1.0
R319605		6.7	30.5	<0.002	<0.01	1.75	29.2	1	3.3	325	0.30	<0.05	1.1	0.485	0.15	2.2
R319606		80.3	94.5	0.193	3.00	1.85	7.8	4	1.9	199.0	0.31	0.65	4.7	0.187	1.58	0.9
R319607		7.9	92.1	<0.002	<0.01	4.52	28.9	<1	0.6	467	0.24	<0.05	0.9	0.426	0.56	0.4
R319608		4.6	6.3	<0.002	0.12	0.24	26.4	1	0.6	302	0.51	<0.05	1.1	0.583	0.06	0.4
R319609		6.9	7.4	0.002	0.37	0.25	26.3	2	0.7	476	0.35	<0.05	1.1	0.482	0.07	0.5
R319610		2.1	21.8	0.004	0.05	0.07	29.1	2	1.7	324	3.17	<0.05	3.3	2.33	0.21	0.7
R319611		4.6	14.1	<0.002	0.42	0.62	30.1	1	0.8	334	0.80	0.05	1.4	0.833	0.11	0.6
R319612		2.6	18.6	0.006	0.12	0.45	29.5	1	0.6	260	0.44	<0.05	1.0	0.587	0.15	0.4
R319613		3.8	4.6	<0.002	<0.01	1.55	26.3	1	1.6	213	0.26	<0.05	0.9	0.422	0.03	1.5
R319614		4.2	2.0	<0.002	<0.01	1.73	27.6	1	3.3	238	0.25	<0.05	0.9	0.409	<0.02	1.9
R319615		3.4	13.1	<0.002	<0.01	1.29	38.3	1	2.0	191.5	0.27	<0.05	1.3	0.445	0.07	1.5
R319616		22.3	182.5	0.087	0.09	0.96	8.3	8	7.2	21.0	1.99	0.11	36.0	0.327	0.69	378
R319617		7.3	40.6	<0.002	<0.01	0.90	41.0	1	1.2	110.5	0.34	<0.05	1.8	0.488	0.20	0.7
R319618		6.4	26.0	<0.002	0.07	0.64	39.8	1	1.0	175.0	0.68	<0.05	4.3	0.594	0.19	1.1
R319619		5.1	11.9	<0.002	<0.01	1.36	25.4	<1	0.4	593	0.17	<0.05	0.3	0.341	0.02	1.9
R319620		7.8	36.2	<0.002	<0.01	2.20	30.9	<1	0.5	347	0.18	<0.05	0.4	0.372	0.18	0.7
R319621		18.0	7.3	<0.002	<0.01	2.86	26.0	1	0.4	667	0.17	<0.05	0.4	0.379	0.04	0.6
R319622		4.7	66.3	<0.002	<0.01	1.02	30.5	<1	0.5	227	0.18	<0.05	0.4	0.395	0.32	0.5
R319623		4.2	18.7	<0.002	<0.01	1.34	26.7	1	0.4	172.0	0.18	<0.05	0.3	0.375	0.12	0.5
R319624		5.1	17.1	<0.002	<0.01	1.46	31.6	<1	0.5	219	0.19	<0.05	0.4	0.392	0.08	0.6
R319625		4.6	21.6	<0.002	<0.01	1.47	31.2	<1	0.5	219	0.16	<0.05	0.4	0.404	0.09	0.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045847

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319591A	21	0.4	12.7	14	111.0	2.12	1.39	0.37	2.05	0.45	0.25	16.9	5.20	2.78	0.33
R319591B	21	0.4	13.0	15	122.0	2.26	1.48	0.34	2.19	0.46	0.26	17.8	5.39	2.96	0.36
R319592	23	0.4	12.2	16	106.5	2.06	1.38	0.32	2.03	0.44	0.23	17.3	5.34	2.84	0.34
R319593	23	0.3	12.2	16	111.5	2.02	1.33	0.27	2.05	0.43	0.22	13.8	4.01	2.58	0.34
R319594	43	0.7	14.8	14	117.0	2.61	1.75	0.32	2.28	0.55	0.29	9.4	2.33	2.38	0.41
R319595	390	2.3	46.3	47	334	8.74	4.74	2.93	10.00	1.75	0.60	61.7	15.20	12.90	1.53
R319596	377	2.2	42.1	44	314	7.89	4.32	2.77	9.01	1.57	0.55	50.1	11.80	11.05	1.36
R319597	376	1.7	37.8	33	326	7.17	3.79	2.84	8.54	1.39	0.48	55.4	13.15	10.85	1.27
R319598	61	0.2	7.2	23	57.6	1.36	0.84	0.47	1.51	0.29	0.12	9.9	2.53	1.84	0.22
R319599	215	1.0	12.4	32	90.7	2.88	1.53	1.05	3.03	0.57	0.16	10.8	2.20	2.91	0.48
R319600	211	0.6	11.9	38	81.4	2.71	1.41	1.03	2.88	0.53	0.16	11.2	2.32	2.95	0.47
R319601	244	0.7	13.2	38	89.5	2.97	1.60	1.10	3.08	0.58	0.17	11.0	2.25	3.05	0.51
R319602	250	0.8	13.1	51	82.2	2.82	1.52	1.18	3.19	0.56	0.16	13.0	2.78	3.36	0.49
R319603	262	1.1	22.0	46	124.5	4.59	2.29	2.01	4.98	0.87	0.24	18.9	3.96	4.84	0.81
R319604	242	0.9	16.6	57	84.9	3.23	1.82	1.15	3.44	0.66	0.22	13.6	2.92	3.49	0.56
R319605	254	0.5	27.0	33	75.8	4.71	2.86	1.71	4.48	0.97	0.37	19.3	4.38	4.38	0.73
R319606	73	4.5	8.7	748	4.9	1.83	0.92	0.93	2.38	0.35	0.11	15.4	3.70	3.14	0.34
R319607	238	0.3	16.8	40	57.7	3.01	1.80	1.21	2.81	0.63	0.23	12.9	3.04	2.80	0.46
R319608	199	0.2	18.8	68	75.5	3.36	1.96	1.04	3.25	0.68	0.23	16.4	3.80	3.57	0.52
R319609	242	0.3	18.9	56	66.7	3.24	2.00	1.19	3.16	0.70	0.28	14.8	3.40	3.28	0.53
R319610	335	0.5	39.7	73	354	7.91	4.01	3.24	9.89	1.47	0.46	66.0	16.15	12.85	1.41
R319611	207	0.4	23.9	68	129.0	4.27	2.59	1.56	4.42	0.87	0.33	22.3	5.16	4.70	0.69
R319612	171	0.2	18.0	86	87.3	3.21	1.94	1.14	3.32	0.67	0.26	15.8	3.65	3.55	0.52
R319613	166	0.4	20.0	78	66.1	3.31	2.13	1.37	2.86	0.72	0.28	11.0	2.54	2.72	0.50
R319614	175	0.4	22.2	41	67.3	3.78	2.39	1.65	3.51	0.83	0.29	12.5	2.84	3.20	0.59
R319615	215	0.5	22.7	66	55.3	3.80	2.49	1.37	3.60	0.82	0.34	15.6	3.69	3.50	0.60
R319616	73	16.7	133.0	20	117.0	25.7	14.80	7.78	31.2	5.09	1.79	427	134.0	50.8	4.66
R319617	237	0.9	22.8	68	64.6	3.54	2.46	0.66	2.73	0.80	0.37	10.5	2.48	2.45	0.49
R319618	244	0.4	31.7	70	118.5	5.28	3.56	1.17	4.68	1.18	0.54	18.8	4.42	4.31	0.81
R319619	292	0.5	12.5	27	42.9	2.19	1.35	0.65	2.09	0.47	0.18	7.5	1.60	1.83	0.35
R319620	248	0.4	18.3	33	45.3	3.21	1.82	1.21	3.14	0.67	0.25	12.0	2.62	3.09	0.52
R319621	307	0.6	13.8	21	43.1	2.61	1.54	0.91	2.38	0.57	0.21	7.8	1.66	2.10	0.41
R319622	185	0.4	12.9	56	47.3	2.00	1.60	0.40	1.49	0.48	0.23	4.3	0.94	1.17	0.27
R319623	180	0.4	13.6	23	41.4	2.44	1.51	0.53	2.19	0.52	0.20	6.6	1.40	1.89	0.38
R319624	191	0.4	12.6	40	47.9	2.06	1.47	0.47	1.70	0.47	0.21	6.0	1.29	1.49	0.31
R319625	195	0.4	12.4	41	46.1	2.03	1.38	0.51	1.77	0.46	0.25	6.0	1.30	1.61	0.31

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045847

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319591A		0.22	1.57
R319591B		0.22	1.61
R319592		0.21	1.50
R319593		0.20	1.43
R319594		0.26	1.85
R319595		0.65	4.21
R319596		0.59	3.79
R319597		0.52	3.29
R319598		0.11	0.79
R319599		0.19	1.23
R319600		0.18	1.09
R319601		0.20	1.18
R319602		0.18	1.21
R319603		0.30	1.78
R319604		0.25	1.54
R319605		0.40	2.51
R319606		0.13	0.82
R319607		0.25	1.62
R319608		0.27	1.64
R319609		0.27	1.74
R319610		0.51	3.27
R319611		0.35	2.37
R319612		0.27	1.81
R319613		0.28	1.84
R319614		0.31	1.98
R319615		0.35	2.26
R319616		2.16	13.15
R319617		0.37	2.51
R319618		0.53	3.42
R319619		0.20	1.19
R319620		0.26	1.59
R319621		0.22	1.30
R319622		0.26	1.58
R319623		0.22	1.34
R319624		0.21	1.38
R319625		0.23	1.47

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-APR-2015
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CERTIFICATE OF ANALYSIS SD 15045847

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE SD15045842

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

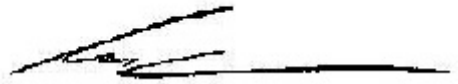
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045842

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319626A	0.90	<5	0.01	8.69	7.8	10	0.52	0.32	11.55	0.06	20.3	31.7	382	0.13	6.2
R319626B	<0.02	<5	0.01	8.41	7.3	10	0.47	0.32	11.10	0.06	20.2	30.1	354	0.13	6.2
R319627	0.56	<5	0.01	7.68	6.6	70	0.33	0.14	6.16	<0.02	10.75	43.5	394	1.15	4.1
R319628	0.56	<5	0.01	7.62	3.3	10	0.70	0.09	13.80	0.06	8.09	43.9	319	0.14	2.8
R319629	0.52	<5	0.01	8.42	8.5	60	0.63	0.16	5.42	0.04	20.2	18.9	453	0.57	4.0
R319630	0.90	<5	<0.01	8.23	8.4	60	0.39	0.21	8.60	0.06	47.6	33.3	429	0.42	2.6
R319631	0.53	<5	0.02	7.85	7.5	280	0.42	0.14	6.06	<0.02	21.2	59.8	260	7.79	21.1
R319632	1.52	<5	0.01	7.58	7.7	50	0.56	0.16	4.39	0.02	14.45	26.5	205	1.02	3.8
R319633	0.32	<5	0.02	3.40	1.6	260	0.52	0.05	1.40	0.07	22.7	6.1	55	0.59	12.5
R319634	0.55	<5	0.04	7.36	7.6	70	0.38	0.13	6.86	0.02	11.60	49.2	401	3.31	3.3
R319635	1.92	<5	0.08	6.88	3.2	520	1.47	0.09	5.92	0.05	135.5	53.2	54	3.01	291
R319636	1.74	<5	0.17	7.03	2.4	540	1.52	0.14	6.07	0.04	138.5	52.9	55	3.01	557
R319637	0.84	<5	0.02	6.02	4.7	40	0.47	0.24	5.13	0.05	29.3	18.6	121	0.21	16.3
R319638	0.93	<5	<0.01	7.87	9.0	160	0.65	0.13	6.09	0.02	50.3	39.4	212	1.46	5.3
R319639	2.00	<5	0.01	7.89	10.1	30	0.56	0.14	3.82	0.04	9.76	38.2	171	0.53	3.0
R319640	2.07	<5	0.01	7.14	8.2	60	0.73	0.10	4.98	0.02	18.80	42.6	170	1.84	4.0
R319641	0.04	306	1.95	7.43	31.6	370	1.01	0.78	1.16	3.66	29.9	12.0	29	9.33	2270
R319642	1.90	<5	0.01	7.49	16.6	70	0.77	0.17	6.24	0.06	55.5	27.3	195	0.79	4.2
R319643	0.97	<5	0.01	7.68	11.4	50	0.49	0.19	7.33	0.05	50.1	29.9	191	0.62	3.4
R319644	1.49	<5	0.02	7.80	9.6	270	0.87	0.21	5.15	0.03	69.2	31.0	213	3.51	2.9
R319645	0.98	13	0.15	6.79	6.6	190	0.45	2.01	6.30	0.02	20.1	37.5	174	1.80	815
R319646	0.70	<5	0.03	6.86	5.9	210	0.58	0.17	5.00	0.02	21.3	30.8	204	1.49	22.3
R319647	2.02	<5	0.01	7.57	8.7	300	0.73	0.14	5.98	<0.02	36.2	36.9	214	2.93	19.5
R319648	2.16	<5	0.01	7.16	8.4	220	0.46	0.12	6.61	<0.02	22.9	43.6	175	2.02	4.4
R319649	0.59	<5	0.14	7.78	13.8	290	1.00	0.15	6.69	<0.02	62.3	37.2	127	3.81	177.0
R319650	1.05	<5	0.04	8.21	5.6	60	0.42	0.17	6.24	<0.02	15.30	46.0	433	2.24	1.7
R319651	0.02	<5	0.49	5.37	16.0	180	6.23	0.48	1.13	0.05	>500	47.1	27	2.42	417
R319652	0.57	6	0.02	8.46	9.1	60	0.37	0.15	9.00	0.03	8.76	38.2	385	1.57	1.6
R319653	0.79	<5	0.01	7.72	9.7	90	0.51	0.14	8.02	0.04	21.8	43.7	383	5.02	1.4
R319654	0.76	<5	0.01	8.23	7.5	120	0.57	0.11	6.40	<0.02	19.65	33.0	412	2.83	6.1
R319655	0.59	<5	0.28	7.37	6.4	70	0.31	1.70	8.18	0.30	15.40	65.4	365	1.88	302
R319656	0.62	<5	0.04	7.10	7.9	60	1.39	0.18	5.00	<0.02	51.5	35.1	187	2.63	177.5
R319657	0.60	<5	0.07	7.02	4.5	120	1.56	0.14	3.02	<0.02	20.4	14.1	34	0.87	438
R319658	0.60	<5	0.22	6.56	2.8	140	1.47	0.57	1.77	<0.02	15.20	9.5	15	1.09	2930
R319659	0.92	<5	0.06	6.50	2.4	150	1.52	0.13	1.55	<0.02	16.20	6.6	14	1.27	62.0
R319660	0.73	<5	0.06	6.46	2.3	150	1.58	0.11	1.53	<0.02	16.40	6.5	15	1.34	51.0

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045842

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319626A	8.85	24.9	0.10	1.4	0.168	0.15	9.7	7.1	2.79	1060	0.81	1.04	3.8	175.5	450
R319626B	8.46	24.0	0.10	1.3	0.163	0.15	9.5	6.5	2.66	1020	0.66	1.00	3.7	166.0	430
R319627	8.42	15.55	0.08	1.3	0.079	0.65	5.0	12.3	3.94	762	0.44	2.77	3.4	272	440
R319628	8.76	24.8	0.08	1.3	0.048	0.09	4.0	48.3	3.94	764	0.34	0.40	3.0	325	290
R319629	7.15	19.05	0.08	1.3	0.070	0.70	9.7	10.4	1.56	423	0.45	4.15	3.5	138.0	450
R319630	7.43	18.40	0.12	1.6	0.150	0.54	25.6	11.3	3.52	762	0.46	2.03	3.6	290	480
R319631	7.39	17.00	0.12	2.1	0.059	1.58	9.7	31.3	4.95	881	0.35	1.84	5.3	228	590
R319632	7.04	16.50	0.10	1.8	0.047	0.58	6.5	22.0	2.23	564	0.32	4.12	6.4	127.5	670
R319633	2.08	7.25	0.10	1.6	0.016	0.81	12.0	4.8	0.61	309	0.18	1.27	2.9	18.1	190
R319634	7.61	13.90	0.09	1.5	0.051	0.69	5.3	14.6	5.08	839	0.31	1.95	3.4	326	400
R319635	11.10	20.7	0.20	7.9	0.100	0.82	62.9	20.2	3.44	1510	2.00	1.56	58.3	57.4	5730
R319636	11.20	21.7	0.22	8.2	0.104	0.85	64.6	23.2	3.56	1460	2.06	1.62	59.9	57.2	5810
R319637	5.40	15.55	0.11	2.8	0.091	0.88	14.0	33.0	3.07	533	0.60	1.23	7.2	60.5	340
R319638	10.30	18.70	0.11	1.9	0.078	0.54	26.9	24.2	3.58	694	0.36	2.71	5.6	154.5	440
R319639	7.47	19.85	0.10	1.7	0.031	0.50	4.5	36.7	2.93	528	0.37	3.76	4.9	111.0	520
R319640	10.40	16.25	0.09	1.9	0.054	0.59	8.8	32.0	3.59	638	0.44	2.73	5.1	145.0	480
R319641	5.05	17.15	0.13	0.2	0.169	2.41	15.4	31.0	0.74	1160	21.1	0.70	4.5	19.4	770
R319642	8.25	23.9	0.14	1.8	0.105	0.89	32.9	58.5	2.32	460	0.48	1.73	5.2	92.9	550
R319643	10.35	22.0	0.13	1.8	0.123	0.54	28.7	20.0	2.27	635	0.41	1.92	5.0	123.0	460
R319644	8.15	19.65	0.16	1.7	0.082	1.53	37.3	43.0	3.25	643	0.38	2.48	5.3	102.5	670
R319645	7.84	20.7	0.11	1.7	0.083	0.67	9.6	11.1	3.46	1100	0.69	1.82	4.7	105.0	560
R319646	11.40	20.6	0.10	1.5	0.093	0.62	10.7	17.9	1.84	747	0.68	2.28	4.5	75.0	560
R319647	6.80	19.85	0.13	2.0	0.094	0.85	19.8	34.9	3.58	742	0.36	2.27	6.0	126.0	570
R319648	6.83	16.55	0.10	2.2	0.034	0.65	10.7	11.9	4.06	984	0.46	2.43	6.2	142.0	530
R319649	7.93	19.80	0.14	5.1	0.074	0.55	27.1	16.5	3.78	627	0.76	2.56	43.4	124.5	3120
R319650	8.98	16.60	0.05	1.6	0.050	0.43	7.0	22.5	4.23	780	0.35	2.83	3.9	312	420
R319651	10.25	27.2	0.79	3.8	0.033	2.23	770	23.7	1.12	937	18.65	0.05	50.8	8.6	1260
R319652	12.20	22.0	<0.05	1.5	0.043	0.32	4.7	9.1	2.15	553	0.52	1.87	3.4	249	400
R319653	8.34	19.20	<0.05	1.5	0.075	0.81	10.5	10.5	4.07	832	0.30	2.01	3.4	260	420
R319654	11.05	16.40	<0.05	1.3	0.067	1.02	9.6	18.2	2.60	646	0.27	2.82	3.3	211	370
R319655	7.36	14.30	0.05	1.6	0.054	0.34	7.0	9.3	5.09	884	0.55	1.55	3.5	304	390
R319656	6.82	15.75	0.09	7.6	0.057	0.35	21.0	25.4	4.12	805	0.67	3.37	21.6	134.5	2280
R319657	1.84	14.90	0.08	4.3	0.013	0.52	9.3	20.8	0.95	318	0.60	4.18	19.0	28.8	420
R319658	1.08	14.55	0.09	3.9	0.007	0.39	6.0	10.3	0.33	197	1.00	4.13	16.8	15.0	220
R319659	0.90	14.70	0.07	3.8	0.008	0.42	5.5	10.5	0.24	168	0.79	4.12	13.8	11.0	210
R319660	0.95	14.80	0.07	3.5	0.006	0.43	5.6	11.0	0.23	176	0.80	4.11	14.4	11.4	210

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045842

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319626A		16.8	3.1	<0.002	<0.01	2.02	33.2	1	0.6	673	0.21	<0.05	0.5	0.463	0.02	1.0
R319626B		15.9	3.0	<0.002	<0.01	1.95	33.3	1	0.5	644	0.19	<0.05	0.5	0.441	<0.02	0.9
R319627		5.9	33.4	<0.002	<0.01	1.32	30.7	<1	0.6	265	0.19	<0.05	0.4	0.421	0.23	0.6
R319628		4.9	5.5	<0.002	<0.01	0.59	27.4	<1	1.0	78.8	0.15	<0.05	0.4	0.353	0.02	0.4
R319629		8.0	26.0	<0.002	<0.01	1.51	26.9	<1	1.6	400	0.18	<0.05	0.3	0.403	0.22	0.7
R319630		8.6	19.5	<0.002	<0.01	1.56	33.4	<1	2.1	495	0.21	<0.05	0.6	0.450	0.17	1.9
R319631		2.5	74.8	<0.002	0.01	1.18	28.5	1	0.7	430	0.29	<0.05	0.9	0.499	0.45	0.3
R319632		3.8	14.7	<0.002	<0.01	1.72	28.5	<1	0.7	238	0.33	<0.05	0.8	0.514	0.13	0.5
R319633		7.3	28.4	<0.002	<0.01	0.12	7.3	<1	0.4	178.0	0.20	<0.05	2.5	0.216	0.12	0.6
R319634		3.2	37.1	<0.002	<0.01	1.57	32.5	<1	0.5	415	0.19	<0.05	0.5	0.430	0.18	0.2
R319635		3.8	30.2	<0.002	0.17	0.12	31.5	2	1.6	302	3.76	<0.05	4.1	2.34	0.22	1.0
R319636		4.2	32.7	0.004	0.15	0.14	32.5	2	1.7	310	3.81	<0.05	4.2	2.37	0.22	0.9
R319637		3.7	6.9	<0.002	<0.01	0.73	17.4	<1	1.0	278	0.48	<0.05	3.8	0.401	<0.02	0.7
R319638		4.7	18.8	<0.002	<0.01	1.12	29.3	1	1.1	361	0.30	<0.05	0.9	0.514	0.11	1.1
R319639		5.3	7.3	<0.002	0.02	2.03	28.4	1	0.7	280	0.25	<0.05	0.6	0.444	0.05	0.4
R319640		3.1	17.6	<0.002	<0.01	0.97	27.5	1	0.7	211	0.25	<0.05	0.7	0.446	0.06	0.8
R319641		77.6	93.9	0.186	2.94	1.89	7.3	5	1.8	194.0	0.32	0.61	4.7	0.190	1.50	0.9
R319642		8.3	14.3	<0.002	<0.01	1.66	28.5	1	1.0	459	0.27	<0.05	0.8	0.466	0.08	1.3
R319643		6.9	14.1	<0.002	<0.01	1.69	28.5	1	0.9	416	0.26	<0.05	0.8	0.443	0.09	1.5
R319644		3.8	43.0	<0.002	<0.01	0.96	28.0	<1	0.8	358	0.29	<0.05	0.8	0.476	0.30	1.1
R319645		4.3	29.4	<0.002	0.04	0.64	27.2	1	0.6	343	0.25	<0.05	0.8	0.420	0.17	0.4
R319646		4.7	31.7	<0.002	<0.01	0.68	25.6	1	0.5	347	0.24	<0.05	0.7	0.427	0.17	0.4
R319647		3.8	22.6	<0.002	<0.01	0.94	26.8	1	0.9	365	0.31	<0.05	0.8	0.493	0.20	0.6
R319648		2.7	27.9	<0.002	<0.01	0.88	26.2	<1	0.7	373	0.34	<0.05	1.4	0.474	0.17	0.5
R319649		2.5	35.0	<0.002	0.02	0.96	31.0	1	1.4	351	2.92	0.09	2.8	1.750	0.16	1.0
R319650		3.5	19.0	<0.002	<0.01	0.89	37.1	1	0.6	231	0.22	<0.05	0.4	0.468	0.14	0.6
R319651		23.4	195.0	0.096	0.10	1.00	8.9	9	7.7	21.3	2.11	0.10	35.7	0.342	0.68	386
R319652		7.2	17.8	<0.002	<0.01	1.15	31.0	<1	0.5	330	0.19	<0.05	0.4	0.425	0.11	0.6
R319653		8.1	58.8	<0.002	<0.01	1.87	32.8	<1	1.1	443	0.19	<0.05	0.5	0.418	0.29	0.7
R319654		5.4	68.1	<0.002	<0.01	1.31	30.3	1	1.5	260	0.18	<0.05	0.4	0.419	0.38	0.7
R319655		9.6	19.0	<0.002	0.55	1.12	34.8	2	0.8	150.0	0.19	0.22	0.5	0.429	0.11	0.6
R319656		1.9	27.7	<0.002	0.02	0.70	31.7	1	2.5	190.0	1.22	0.08	6.8	1.280	0.14	1.8
R319657		4.1	15.7	<0.002	0.02	0.59	5.2	1	1.1	192.0	1.84	<0.05	16.9	0.202	0.11	2.2
R319658		4.3	21.6	<0.002	0.11	0.39	2.8	<1	0.7	200	1.68	0.10	20.4	0.080	0.14	3.6
R319659		4.2	25.8	<0.002	<0.01	0.37	2.5	<1	0.6	189.5	1.33	<0.05	20.0	0.063	0.15	3.1
R319660		4.0	26.0	<0.002	<0.01	0.39	2.4	<1	0.6	191.5	1.38	<0.05	19.5	0.064	0.15	3.0

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
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CERTIFICATE OF ANALYSIS SD 15045842

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319626A	310	0.5	21.5	44	45.9	3.87	2.24	1.36	3.53	0.82	0.29	11.8	2.56	3.17	0.60
R319626B	292	0.5	21.4	42	45.5	3.77	2.18	1.32	3.43	0.80	0.27	11.5	2.51	3.02	0.58
R319627	240	0.5	15.4	48	44.2	2.57	1.71	0.71	2.07	0.57	0.24	6.4	1.38	1.75	0.37
R319628	194	0.5	11.8	77	45.5	1.97	1.34	0.35	1.42	0.44	0.21	4.2	0.97	1.10	0.27
R319629	156	0.3	16.0	23	47.6	2.78	1.77	0.70	2.53	0.60	0.25	9.8	2.26	2.45	0.43
R319630	222	0.6	26.1	46	54.7	4.88	2.61	2.13	5.50	0.98	0.34	24.4	5.62	5.62	0.84
R319631	220	0.8	19.0	49	79.9	3.14	1.97	0.84	2.91	0.69	0.29	11.6	2.56	2.90	0.47
R319632	194	0.8	15.1	36	66.6	2.53	1.61	0.58	2.22	0.57	0.24	7.9	1.76	1.94	0.37
R319633	61	0.1	7.9	24	60.2	1.37	0.79	0.47	1.57	0.28	0.13	10.7	2.71	2.03	0.24
R319634	221	0.6	17.1	51	51.9	2.74	1.78	0.58	2.28	0.62	0.26	7.1	1.51	1.97	0.41
R319635	277	0.5	50.3	99	351	9.42	4.97	3.63	11.50	1.86	0.63	76.9	17.30	14.15	1.65
R319636	287	0.5	52.4	114	354	9.92	5.23	3.87	12.05	1.94	0.65	79.1	17.70	14.40	1.73
R319637	90	0.7	16.7	29	98.0	2.89	1.70	0.84	2.88	0.59	0.25	13.7	3.30	3.00	0.47
R319638	111	0.7	18.6	35	67.5	3.39	1.96	1.23	3.70	0.70	0.26	21.1	5.35	4.17	0.56
R319639	86	0.5	13.7	41	61.0	2.24	1.45	0.41	1.90	0.50	0.22	6.2	1.30	1.61	0.32
R319640	102	0.7	15.2	38	65.5	2.57	1.62	0.70	2.37	0.54	0.23	9.6	2.17	2.24	0.38
R319641	71	5.0	8.3	736	5.4	1.74	0.87	0.84	2.33	0.33	0.11	14.5	3.46	2.97	0.32
R319642	151	0.6	20.6	20	68.0	3.71	2.02	1.60	4.35	0.75	0.26	24.8	6.01	4.87	0.65
R319643	173	0.6	23.4	23	70.2	4.27	2.16	1.99	4.91	0.85	0.28	24.0	5.60	5.22	0.75
R319644	220	0.7	18.2	41	59.9	3.32	1.91	1.52	3.87	0.68	0.26	26.5	7.03	4.58	0.57
R319645	204	0.5	15.8	53	61.8	2.66	1.64	0.93	2.58	0.58	0.23	10.8	2.48	2.49	0.43
R319646	241	0.3	15.6	36	49.4	2.66	1.57	1.06	2.60	0.58	0.22	11.2	2.57	2.53	0.43
R319647	138	0.6	19.4	40	71.6	3.45	2.13	1.28	3.45	0.72	0.28	17.0	3.96	3.62	0.55
R319648	122	0.5	19.3	50	85.5	3.14	2.02	0.75	2.89	0.68	0.29	12.0	2.70	2.76	0.50
R319649	340	5.2	32.2	32	213	6.11	3.28	2.31	6.97	1.20	0.43	37.5	8.20	8.00	1.05
R319650	220	0.7	17.8	49	57.6	2.98	1.92	0.71	2.63	0.66	0.27	8.2	1.79	2.04	0.45
R319651	73	17.6	138.0	20	128.0	27.1	16.00	7.74	33.7	5.31	1.88	425	134.0	50.6	4.84
R319652	202	0.8	14.4	33	50.3	2.13	1.63	0.47	1.58	0.53	0.24	4.9	1.07	1.22	0.28
R319653	253	0.6	20.1	53	53.7	3.54	2.26	1.04	3.09	0.78	0.31	10.6	2.49	2.60	0.53
R319654	229	0.3	16.6	43	44.1	2.74	1.87	0.77	2.41	0.62	0.26	9.2	2.21	2.07	0.41
R319655	218	0.4	19.4	57	55.5	3.33	2.11	0.83	2.94	0.73	0.28	9.2	1.96	2.43	0.51
R319656	302	1.0	32.6	63	326	6.19	3.37	2.29	7.37	1.24	0.42	35.3	7.59	8.28	1.10
R319657	45	1.3	12.1	36	152.5	2.26	1.34	0.57	2.38	0.47	0.21	13.5	3.10	2.88	0.38
R319658	22	1.0	11.1	16	127.5	1.91	1.20	0.39	1.99	0.40	0.20	10.1	2.22	2.36	0.32
R319659	20	1.8	10.8	13	125.0	1.84	1.17	0.40	1.95	0.39	0.21	10.0	2.23	2.35	0.31
R319660	19	1.9	10.9	14	119.0	1.86	1.17	0.40	1.98	0.38	0.21	10.4	2.30	2.38	0.31

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045842

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319626A		0.31	1.90
R319626B		0.31	1.83
R319627		0.25	1.55
R319628		0.22	1.28
R319629		0.27	1.60
R319630		0.36	2.21
R319631		0.29	1.84
R319632		0.25	1.57
R319633		0.14	0.88
R319634		0.27	1.69
R319635		0.69	4.06
R319636		0.71	4.28
R319637		0.25	1.54
R319638		0.28	1.66
R319639		0.23	1.44
R319640		0.24	1.52
R319641		0.13	0.72
R319642		0.29	1.69
R319643		0.30	1.80
R319644		0.27	1.66
R319645		0.25	1.51
R319646		0.23	1.45
R319647		0.29	1.82
R319648		0.30	1.90
R319649		0.47	2.83
R319650		0.28	1.73
R319651		2.08	12.80
R319652		0.24	1.57
R319653		0.33	2.00
R319654		0.27	1.64
R319655		0.29	1.84
R319656		0.44	2.77
R319657		0.21	1.35
R319658		0.18	1.27
R319659		0.18	1.23
R319660		0.18	1.23

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CERTIFICATE OF ANALYSIS SD 15045842

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE SD15045844

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-MAR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

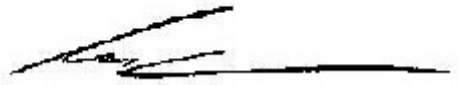
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045844

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319661A	0.61	<5	0.01	6.76	5.0	110	0.72	0.11	5.52	<0.02	397	52.5	408	5.07	75.8
R319661B	<0.02	7	0.02	7.00	4.9	110	0.79	0.12	5.75	<0.02	409	54.7	423	5.24	79.2
R319662	0.58	<5	0.01	7.08	3.2	60	1.24	0.16	4.82	<0.02	206	28.5	286	1.33	30.4
R319663	1.93	15	0.04	6.47	1.0	120	1.68	0.17	1.37	<0.02	16.20	12.5	18	1.41	218
R319664	1.76	<5	0.04	6.38	1.3	120	1.76	0.11	1.73	<0.02	30.1	9.4	19	1.51	64.8
R319665	0.65	<5	0.01	8.25	6.4	130	0.51	0.25	8.32	0.07	25.0	38.5	235	0.83	2.2
R319666	1.62	<5	0.02	6.72	0.8	120	1.97	0.04	1.66	<0.02	17.35	7.3	22	1.14	4.1
R319667	1.87	<5	0.02	6.80	1.2	140	1.88	0.05	1.56	<0.02	43.8	8.6	20	1.49	23.2
R319668	0.18	<5	0.03	3.24	1.5	240	0.54	0.04	1.28	0.08	19.95	6.5	53	0.59	11.1
R319669	2.02	<5	0.02	6.55	1.4	130	1.75	0.08	1.43	<0.02	56.2	6.4	18	1.67	21.7
R319670	1.32	<5	0.03	6.45	1.1	140	1.67	0.09	1.47	<0.02	64.5	6.5	21	1.79	35.5
R319671	0.65	13	0.71	6.96	1.9	150	2.10	1.19	0.87	<0.02	54.4	71.2	26	2.53	3660
R319672	1.98	<5	0.01	6.58	1.3	120	2.00	0.04	1.45	<0.02	59.3	4.5	19	1.55	8.6
R319673	1.14	<5	0.07	6.63	1.9	110	2.07	0.09	1.73	<0.02	31.4	7.0	23	1.46	155.5
R319674	0.74	18	0.08	7.71	10.9	280	1.56	0.34	6.50	0.02	331	33.1	40	3.94	275
R319675	1.04	39	0.07	6.23	1.9	130	2.11	0.86	1.41	<0.02	14.75	19.3	18	3.25	156.0
R319676	0.04	301	2.02	7.58	29.6	370	1.04	0.73	1.14	3.86	30.8	12.9	27	9.93	2320
R319677	1.59	87	0.05	6.17	1.8	140	2.06	0.19	1.02	<0.02	49.4	17.9	28	3.83	42.8
R319678	1.41	11	0.03	5.93	1.7	130	2.14	0.11	1.34	<0.02	24.9	6.0	25	3.38	76.6
R319679	1.12	<5	0.03	6.72	4.8	110	1.25	0.26	3.84	0.04	72.7	41.6	34	3.00	16.7
R319680	0.85	<5	0.03	6.61	3.3	980	1.02	0.11	3.45	0.02	51.9	42.4	36	2.78	88.2
R319681	0.81	12	0.24	6.90	3.1	770	1.13	0.42	4.11	0.04	59.0	43.2	36	3.90	1560
R319682	2.22	<5	0.05	6.90	3.5	1040	1.08	0.12	3.60	0.02	59.2	43.5	37	2.82	208
R319683	2.13	9	0.06	6.67	3.6	900	1.03	0.32	3.81	0.02	56.7	42.8	36	2.70	203
R319684	2.19	7	0.05	6.97	3.8	910	1.01	0.29	4.12	0.03	61.4	44.5	37	2.15	122.5
R319685	2.11	<5	0.04	6.98	4.0	920	1.02	0.12	4.23	0.04	60.2	41.5	35	2.66	86.7
R319686	0.02	<5	0.49	5.10	15.7	170	6.32	0.42	1.04	0.04	>500	46.4	27	2.38	403
R319687	1.70	10	0.04	7.12	4.1	790	1.00	0.24	4.05	0.02	63.5	42.3	38	2.64	167.0
R319688	0.98	<5	0.03	6.93	3.8	810	1.09	0.19	3.66	0.03	63.1	42.0	36	2.63	56.2
R319689	0.77	43	0.19	7.20	3.8	720	1.14	2.11	5.11	0.03	65.7	36.8	41	3.34	1430
R319690	2.09	<5	<0.01	7.20	2.9	1150	0.92	0.24	4.45	0.04	60.8	36.6	36	3.56	96.6
R319691	2.05	<5	0.02	7.51	3.2	740	1.03	0.17	4.69	0.03	59.9	37.9	39	3.79	132.5
R319692	2.50	<5	0.05	7.28	2.9	920	0.95	0.23	3.91	0.03	57.7	40.4	37	2.39	145.0
R319693	1.00	12	0.04	7.94	4.1	440	1.16	0.18	4.45	0.02	66.9	40.2	38	4.18	190.0
R319694	1.07	5	0.04	7.29	4.2	210	1.08	0.16	4.59	0.03	63.7	37.6	35	3.62	222
R319695	0.80	6	0.03	7.55	4.4	200	1.11	0.16	4.98	<0.02	64.5	39.4	36	3.64	193.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045844

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319661A	5.82	21.3	0.21	1.9	0.086	0.64	230	30.5	6.01	698	0.48	1.94	4.8	315	450
R319661B	6.09	22.2	0.22	2.0	0.084	0.66	233	33.1	6.26	727	0.58	2.04	5.0	329	450
R319662	6.23	19.35	0.13	2.3	0.075	0.21	123.5	16.2	2.58	615	0.73	2.83	11.3	145.0	340
R319663	1.04	16.05	0.05	3.9	0.011	0.42	6.6	11.5	0.22	161	1.08	3.94	14.4	11.8	160
R319664	0.96	16.20	0.07	3.9	0.010	0.46	14.7	12.5	0.21	140	1.01	3.87	16.3	10.0	160
R319665	8.40	21.2	0.07	2.0	0.153	0.50	12.2	7.2	1.94	786	0.73	2.01	5.8	133.0	460
R319666	1.18	16.80	0.06	4.2	0.008	0.39	7.1	8.5	0.28	186	1.05	3.97	20.1	14.6	170
R319667	1.25	16.75	0.07	4.1	0.010	0.47	23.4	9.6	0.24	197	0.94	4.03	16.9	13.1	180
R319668	2.07	7.86	0.06	1.8	0.019	0.74	11.1	5.3	0.55	304	0.26	1.20	3.1	18.3	180
R319669	1.21	16.10	0.08	4.0	0.011	0.45	28.8	8.5	0.22	162	0.82	3.88	16.3	12.3	170
R319670	1.16	16.10	0.08	4.0	0.014	0.54	33.3	8.3	0.18	156	1.15	3.79	16.1	10.5	160
R319671	1.44	18.90	0.07	4.5	0.016	0.79	30.0	16.9	0.30	168	3.24	3.78	17.9	20.7	170
R319672	1.17	16.40	0.08	4.1	0.011	0.41	30.9	7.5	0.15	139	1.10	3.98	19.9	9.1	150
R319673	1.20	16.95	0.07	4.0	0.012	0.44	15.3	11.1	0.28	183	1.17	3.82	19.9	15.1	160
R319674	6.56	23.0	0.24	6.4	0.108	0.81	185.5	29.4	3.11	695	1.59	2.30	62.6	113.0	3240
R319675	1.40	15.70	0.06	3.9	0.015	0.98	9.3	21.5	0.35	185	0.94	3.01	20.9	12.8	150
R319676	4.87	18.40	0.08	0.2	0.177	2.33	15.3	31.5	0.73	1150	21.3	0.68	4.7	20.6	760
R319677	1.24	15.85	0.07	3.9	0.017	1.05	21.3	21.5	0.31	189	1.33	3.05	17.8	10.4	150
R319678	1.31	14.85	0.08	3.9	0.024	0.94	13.1	26.0	0.44	197	1.28	2.90	22.1	14.3	300
R319679	8.98	21.8	0.11	3.9	0.125	0.66	38.4	24.1	3.05	688	0.79	3.12	22.7	28.6	650
R319680	7.63	19.90	0.09	4.4	0.062	1.17	24.8	26.2	3.22	904	1.16	3.02	25.3	27.4	740
R319681	7.83	20.2	0.10	4.6	0.067	1.19	28.8	24.2	3.06	836	1.43	3.19	26.3	28.7	730
R319682	7.90	19.85	0.10	4.6	0.061	1.51	29.1	24.5	3.10	885	0.79	3.25	26.6	28.6	750
R319683	7.50	19.15	0.11	4.4	0.065	1.04	27.7	20.3	2.95	946	2.04	3.09	25.7	28.4	740
R319684	7.55	20.3	0.11	4.6	0.065	1.03	30.4	21.8	3.06	953	1.96	3.20	26.2	29.4	750
R319685	7.54	19.25	0.10	4.6	0.070	1.03	30.5	15.3	2.95	894	1.25	3.19	26.7	29.1	760
R319686	9.48	29.6	0.76	3.7	0.043	2.06	750	23.4	1.05	898	19.55	0.05	50.4	8.4	1200
R319687	7.80	20.7	0.10	4.7	0.074	1.03	31.5	17.5	3.10	921	0.99	3.67	27.8	30.1	790
R319688	7.17	19.40	0.11	4.6	0.074	0.99	32.1	21.5	3.07	877	0.71	3.50	26.1	29.9	780
R319689	8.74	22.4	0.14	3.9	0.125	0.99	34.2	14.9	2.82	1030	1.19	2.72	24.4	25.0	760
R319690	7.73	19.25	0.13	4.1	0.092	1.36	31.4	14.0	3.06	1040	1.00	3.14	24.9	25.7	770
R319691	8.13	19.50	0.15	4.2	0.072	1.04	29.8	16.1	3.20	959	0.82	3.65	25.3	28.3	790
R319692	8.24	18.90	0.13	3.9	0.073	1.24	29.1	19.8	3.22	1000	0.81	3.40	24.2	26.2	780
R319693	8.54	20.4	0.13	4.4	0.070	1.06	33.8	18.4	3.47	989	0.83	3.82	26.9	28.2	880
R319694	7.82	18.45	0.12	4.1	0.065	0.80	32.8	21.7	3.38	977	0.74	3.20	24.4	26.3	820
R319695	8.21	20.2	0.14	4.2	0.064	0.73	33.1	20.9	3.46	1020	0.77	3.22	25.8	27.6	830

***** See Appendix Page for comments regarding this certificate *****

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045844

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319661A		2.8	48.0	0.007	0.04	1.38	34.5	1	1.7	205	0.24	<0.05	1.3	0.465	0.29	1.3
R319661B		2.9	48.4	0.005	0.04	1.44	35.3	1	1.7	214	0.26	<0.05	1.3	0.484	0.30	1.4
R319662		4.5	11.3	0.004	<0.01	0.82	22.3	1	1.9	292	0.89	<0.05	7.9	0.275	0.08	2.1
R319663		4.1	24.0	0.004	0.01	0.28	2.6	1	0.7	186.5	1.50	<0.05	21.2	0.052	0.17	3.5
R319664		3.9	22.8	0.003	<0.01	0.28	2.5	1	0.7	173.5	1.68	<0.05	20.3	0.056	0.16	3.4
R319665		5.8	18.2	0.004	0.03	0.81	28.8	1	0.8	404	0.30	<0.05	1.1	0.460	0.19	1.0
R319666		4.7	23.4	0.003	<0.01	0.23	3.1	1	1.1	193.5	2.10	<0.05	21.1	0.077	0.16	4.1
R319667		4.0	29.1	0.003	<0.01	0.26	3.1	1	0.8	193.0	1.69	<0.05	21.7	0.068	0.19	3.8
R319668		7.0	26.5	<0.002	<0.01	0.13	7.5	1	0.5	171.5	0.22	<0.05	2.5	0.193	0.14	0.6
R319669		3.7	27.0	<0.002	<0.01	0.28	2.9	1	0.9	168.5	1.65	<0.05	20.5	0.067	0.17	3.8
R319670		3.5	31.3	0.002	<0.01	0.26	2.5	1	0.8	156.0	1.70	<0.05	20.6	0.059	0.19	3.6
R319671		5.2	40.1	0.003	0.13	0.23	2.6	2	0.9	165.0	1.96	0.18	23.8	0.064	0.21	4.9
R319672		4.1	24.0	0.002	<0.01	0.27	2.5	1	0.9	184.0	2.08	<0.05	21.9	0.067	0.17	4.0
R319673		4.6	23.4	0.002	<0.01	0.32	2.8	1	1.5	185.0	2.03	<0.05	21.4	0.075	0.15	4.1
R319674		2.9	59.5	0.005	0.02	0.93	22.8	3	3.9	341	3.99	<0.05	5.0	1.745	0.28	2.4
R319675		4.0	47.7	0.002	<0.01	0.52	2.1	1	1.2	163.0	2.16	0.05	21.4	0.065	0.23	3.4
R319676		76.4	93.4	0.186	2.89	1.90	8.0	5	2.1	203	0.31	0.60	5.5	0.176	1.57	1.2
R319677		3.0	54.4	0.002	<0.01	0.31	2.6	<1	1.0	144.0	1.80	<0.05	21.5	0.060	0.24	4.1
R319678		2.7	47.5	<0.002	<0.01	0.29	3.5	1	1.5	153.5	2.10	<0.05	19.8	0.153	0.22	3.5
R319679		3.6	25.1	0.003	<0.01	1.03	29.1	2	1.5	259	1.42	0.05	4.9	0.622	0.12	1.4
R319680		2.5	24.9	0.004	<0.01	0.52	28.9	1	1.5	232	1.60	0.08	4.6	0.693	0.22	1.2
R319681		2.8	32.2	0.004	0.04	0.55	31.1	3	1.6	287	1.66	0.26	5.0	0.705	0.24	1.3
R319682		2.4	35.1	0.003	<0.01	0.53	32.2	1	1.5	241	1.64	0.05	5.3	0.706	0.25	1.3
R319683		2.7	24.9	0.003	0.01	0.55	30.6	2	1.4	260	1.61	0.20	5.0	0.693	0.22	1.3
R319684		2.9	28.1	0.003	0.01	0.52	32.2	2	1.4	259	1.65	0.16	5.2	0.709	0.18	1.3
R319685		3.9	33.8	0.005	0.01	0.61	32.7	2	1.5	287	1.66	0.08	5.5	0.713	0.21	1.3
R319686		22.2	184.5	0.092	0.09	0.97	8.7	11	7.9	20.5	2.15	0.11	34.4	0.311	0.70	377
R319687		3.6	28.7	<0.002	0.01	0.61	33.1	2	1.8	258	1.71	0.12	5.5	0.739	0.22	1.5
R319688		3.9	32.6	0.002	<0.01	0.65	31.8	1	1.5	210	1.65	0.06	5.4	0.707	0.19	1.6
R319689		4.7	34.9	<0.002	0.05	0.73	32.0	3	1.5	341	1.43	1.18	5.1	0.710	0.20	1.3
R319690		2.8	40.6	<0.002	<0.01	0.59	32.5	1	1.5	289	1.51	0.09	5.1	0.720	0.22	1.2
R319691		3.1	38.5	<0.002	<0.01	0.61	33.0	2	1.4	322	1.55	0.07	5.2	0.745	0.20	1.4
R319692		2.7	34.0	<0.002	<0.01	0.50	31.2	1	1.3	240	1.48	0.13	5.3	0.721	0.20	1.1
R319693		3.8	45.7	<0.002	0.01	0.71	35.3	2	1.6	323	1.61	0.06	5.8	0.786	0.24	1.4
R319694		2.5	34.7	<0.002	0.01	0.70	32.2	2	1.5	277	1.49	<0.05	5.2	0.724	0.17	1.2
R319695		2.9	33.7	<0.002	0.01	0.77	33.4	1	1.8	307	1.53	<0.05	5.5	0.745	0.17	1.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045844

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319661A	213	0.5	21.7	39	65.9	3.99	2.40	1.51	5.25	0.80	0.33	94.0	34.4	8.65	0.71
R319661B	222	0.6	22.8	41	66.6	4.04	2.36	1.56	5.34	0.85	0.34	96.0	35.6	8.87	0.75
R319662	175	0.8	20.2	48	70.6	3.63	2.12	1.55	4.41	0.76	0.29	54.5	19.10	6.29	0.65
R319663	16	1.1	9.9	11	117.0	1.55	1.11	0.36	1.66	0.35	0.22	8.9	2.15	1.95	0.26
R319664	16	1.1	10.5	9	115.0	1.70	1.18	0.35	1.77	0.37	0.23	12.6	3.48	2.38	0.27
R319665	236	0.9	21.1	27	67.3	3.84	2.31	1.39	3.52	0.82	0.31	13.2	3.12	3.19	0.60
R319666	20	0.9	12.2	12	122.5	1.91	1.35	0.38	1.90	0.45	0.26	9.1	2.23	2.13	0.32
R319667	21	1.5	12.0	11	122.5	1.99	1.36	0.44	2.16	0.43	0.24	16.1	4.77	2.82	0.34
R319668	57	0.2	7.4	22	58.7	1.35	0.82	0.50	1.53	0.28	0.13	10.0	2.66	1.91	0.23
R319669	21	1.6	12.2	11	122.5	2.07	1.35	0.42	2.30	0.44	0.23	19.3	5.83	3.31	0.36
R319670	18	1.8	12.0	9	118.0	2.08	1.31	0.45	2.46	0.44	0.24	21.9	6.65	3.47	0.37
R319671	28	1.7	11.6	15	132.5	2.00	1.33	0.41	2.20	0.42	0.25	19.5	5.91	3.14	0.34
R319672	16	1.6	12.6	8	118.5	2.19	1.45	0.38	2.54	0.47	0.27	20.8	6.25	3.43	0.39
R319673	22	1.5	12.3	14	121.0	2.03	1.35	0.37	2.17	0.43	0.25	13.1	3.55	2.63	0.35
R319674	252	3.4	38.5	40	264	7.31	3.81	3.42	10.20	1.44	0.47	106.0	33.2	14.95	1.41
R319675	16	1.8	10.9	12	112.5	1.84	1.21	0.35	1.87	0.40	0.22	10.3	2.57	2.24	0.31
R319676	71	8.1	9.1	711	4.7	1.82	0.93	0.94	2.46	0.35	0.12	15.2	3.77	3.10	0.34
R319677	19	2.5	11.7	11	113.5	2.02	1.28	0.45	2.39	0.42	0.23	18.2	5.05	3.23	0.35
R319678	30	1.3	11.1	13	114.5	1.97	1.30	0.43	2.10	0.42	0.21	12.9	3.42	2.60	0.33
R319679	223	0.8	23.1	29	146.5	4.20	2.45	1.64	4.61	0.89	0.34	30.0	8.04	5.35	0.71
R319680	238	0.6	22.5	41	162.0	4.29	2.56	1.44	4.56	0.90	0.36	24.3	6.11	4.85	0.73
R319681	244	0.6	24.3	39	168.0	4.54	2.69	1.57	4.92	0.94	0.38	27.4	6.96	5.29	0.75
R319682	243	0.8	24.7	40	169.5	4.63	2.82	1.66	5.11	0.99	0.40	27.7	7.07	5.47	0.81
R319683	249	0.7	24.1	41	165.0	4.50	2.68	1.62	4.93	0.94	0.37	26.6	6.84	5.27	0.77
R319684	243	0.7	25.6	41	167.0	4.64	2.78	1.69	5.08	0.98	0.38	28.8	7.40	5.64	0.81
R319685	242	0.7	25.8	39	168.5	4.85	2.81	1.71	5.23	1.01	0.41	28.6	7.31	5.75	0.82
R319686	72	17.4	130.5	19	119.0	25.7	14.60	7.91	32.6	5.13	1.89	394	132.0	49.0	4.73
R319687	259	0.9	25.7	40	173.5	4.97	2.90	1.70	5.33	1.03	0.40	29.6	7.58	5.72	0.83
R319688	242	0.9	25.0	41	168.5	4.56	2.71	1.61	5.00	0.96	0.37	28.8	7.50	5.58	0.79
R319689	256	0.6	25.2	38	160.0	4.67	2.64	1.83	4.98	0.93	0.35	30.0	7.40	5.88	0.77
R319690	246	0.6	25.7	39	167.0	4.72	2.66	1.74	4.87	0.97	0.36	28.1	6.98	5.59	0.78
R319691	250	0.7	25.9	39	172.0	4.70	2.77	1.57	4.89	0.96	0.37	27.9	6.85	5.42	0.77
R319692	248	0.6	25.1	43	164.0	4.49	2.65	1.48	4.70	0.89	0.36	26.5	6.67	5.34	0.75
R319693	271	0.8	28.6	39	181.0	5.22	3.15	1.87	5.63	1.09	0.39	30.9	7.68	6.20	0.87
R319694	251	0.7	25.1	41	166.5	4.61	2.70	1.52	4.96	0.96	0.35	28.5	7.09	5.64	0.77
R319695	260	0.7	27.0	42	175.5	4.90	2.91	1.63	5.20	1.00	0.38	29.9	7.34	6.11	0.84

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15045844

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319661A		0.34	2.19
R319661B		0.36	2.21
R319662		0.31	1.91
R319663		0.19	1.28
R319664		0.20	1.36
R319665		0.34	2.03
R319666		0.23	1.54
R319667		0.22	1.46
R319668		0.13	0.83
R319669		0.22	1.49
R319670		0.21	1.51
R319671		0.22	1.56
R319672		0.23	1.63
R319673		0.22	1.56
R319674		0.54	3.22
R319675		0.20	1.33
R319676		0.13	0.80
R319677		0.21	1.35
R319678		0.20	1.29
R319679		0.36	2.26
R319680		0.38	2.36
R319681		0.38	2.51
R319682		0.40	2.50
R319683		0.39	2.38
R319684		0.40	2.51
R319685		0.41	2.61
R319686		2.15	12.85
R319687		0.42	2.62
R319688		0.39	2.44
R319689		0.37	2.44
R319690		0.37	2.50
R319691		0.39	2.47
R319692		0.37	2.38
R319693		0.43	2.82
R319694		0.38	2.37
R319695		0.39	2.50

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 9-APR-2015
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CERTIFICATE OF ANALYSIS SD 15045844

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
Account: SUPCOP

CERTIFICATE SD15049802

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 8-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15049802

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319696A	0.59	17	0.15	7.60	3.9	210	1.11	0.24	4.89	0.06	62.1	33.7	42	3.30	487
R319696B	<0.02	16	0.23	7.79	4.1	210	1.14	0.23	4.89	0.08	66.3	34.1	41	3.25	457
R319697	1.64	<5	0.05	7.46	4.1	250	1.42	0.12	5.22	0.05	59.5	37.9	41	2.46	183.5
R319698	2.65	<5	0.02	7.44	4.2	300	1.54	0.09	5.62	0.05	58.9	36.9	37	3.27	8.3
R319699	1.24	<5	0.04	7.32	3.2	810	1.25	0.23	4.01	0.04	60.7	37.0	39	2.43	170.5
R319700	2.38	6	0.07	7.37	2.9	380	1.37	0.31	4.58	0.04	56.8	34.9	37	2.69	189.5
R319701	2.42	<5	0.03	7.22	3.3	200	1.40	0.11	5.08	0.06	58.9	35.9	38	1.77	69.9
R319702	2.12	8	0.06	7.61	3.5	330	1.55	0.19	5.09	0.07	64.7	36.5	39	2.91	145.5
R319703	0.17	<5	0.02	3.30	1.8	250	0.52	0.03	1.37	0.11	21.1	5.9	55	0.54	10.7
R319704	2.77	5	0.01	7.57	4.5	280	1.49	0.11	6.28	0.09	83.0	40.7	37	2.20	47.3
R319705	2.20	6	0.08	7.74	5.2	290	1.58	0.59	4.98	0.04	64.9	41.8	39	1.70	209
R319706	0.57	59	0.26	6.31	2.9	230	1.30	1.51	4.99	0.10	49.7	37.5	32	1.60	1130
R319707	1.73	<5	0.03	7.31	4.2	300	1.75	0.13	5.24	0.05	67.4	39.8	38	2.87	74.6
R319708	1.86	<5	0.03	7.10	3.2	240	1.65	0.08	4.74	0.07	57.7	41.7	37	2.02	118.5
R319709	2.40	<5	0.03	7.65	3.5	390	1.63	0.12	5.20	0.06	67.1	40.2	37	2.40	83.9
R319710	2.23	<5	0.01	7.12	3.9	280	1.53	0.06	4.43	0.04	55.6	40.4	37	1.53	18.9
R319711	0.05	339	2.02	7.77	29.3	380	1.01	0.85	1.18	3.78	32.4	12.0	27	9.55	2330
R319712	2.69	<5	0.02	6.86	3.1	340	1.63	0.13	6.01	0.10	56.2	36.7	42	1.20	36.3
R319713	1.96	<5	0.04	7.23	3.9	400	1.23	0.17	4.50	0.06	62.3	40.1	39	1.50	68.4
R319714	0.70	6	0.05	7.57	4.2	600	1.12	0.20	4.80	0.07	66.3	38.4	39	1.97	85.0
R319715	2.25	<5	0.04	6.63	3.3	380	1.03	0.16	4.90	0.08	54.2	29.1	47	1.12	67.2
R319716	1.74	<5	0.02	6.42	4.0	330	1.08	0.14	5.16	0.10	54.0	24.7	39	1.29	58.3
R319717	0.98	25	0.31	8.10	6.6	330	1.86	1.07	7.07	0.06	87.8	31.8	27	1.51	283
R319718	0.74	11	0.03	7.92	3.6	380	0.54	0.08	5.92	0.04	24.5	44.5	232	4.14	575
R319719	1.25	<5	0.01	7.82	1.8	430	0.51	0.03	6.30	0.06	24.9	45.3	230	2.82	51.2
R319720	0.77	<5	0.02	7.61	1.5	530	0.51	0.05	5.76	0.28	25.0	43.7	210	3.24	102.0
R319721	0.02	5	0.44	5.33	15.6	170	6.57	0.46	1.10	0.07	>500	45.6	29	2.27	415
R319722	2.25	<5	0.03	7.91	1.5	490	0.56	0.05	6.32	0.04	26.2	46.4	221	2.91	36.2
R319723	2.01	<5	0.01	7.61	2.0	440	0.51	0.04	6.08	0.04	25.4	44.5	218	3.65	34.5
R319724	2.15	<5	0.01	7.95	3.4	390	0.53	0.04	6.92	0.04	25.2	43.7	226	4.11	38.5
R319725	2.03	<5	0.01	8.03	2.2	460	0.61	0.04	6.01	0.07	26.0	49.4	222	3.23	31.4
R319726	2.43	<5	0.02	7.88	3.2	440	0.50	0.04	6.02	0.05	25.1	45.7	224	4.07	28.8
R319727	0.85	<5	0.02	8.04	1.6	440	0.56	0.07	5.73	0.07	25.7	50.1	228	3.39	56.8
R319728	0.70	<5	<0.01	7.81	1.2	510	0.53	0.05	5.57	0.05	25.2	46.5	220	4.13	24.4
R319729	1.06	8	0.05	8.02	1.2	630	0.56	0.08	5.90	0.02	28.0	53.0	201	3.48	156.0
R319730	0.98	<5	0.13	7.94	0.8	560	0.58	0.06	5.78	0.03	27.3	51.6	202	3.66	45.7

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15049802

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319696A	8.66	21.5	0.09	4.0	0.064	0.68	32.1	17.0	2.97	878	1.17	3.40	23.4	25.2	800
R319696B	8.74	21.6	0.11	4.1	0.062	0.68	34.1	17.8	2.97	877	1.09	3.53	24.3	25.2	810
R319697	7.44	18.25	0.10	4.2	0.059	0.61	30.0	15.7	3.54	1050	1.01	3.36	25.3	26.4	870
R319698	6.77	20.6	0.11	4.2	0.062	0.85	29.4	20.2	3.69	1100	0.93	2.88	25.4	26.5	880
R319699	8.14	17.35	0.11	4.2	0.060	1.02	30.5	21.6	3.13	932	0.78	3.47	24.5	24.9	830
R319700	8.05	17.00	0.11	4.2	0.042	0.79	28.0	14.6	3.20	952	0.83	3.49	24.2	24.8	840
R319701	7.73	17.85	0.11	4.2	0.071	0.57	29.1	15.2	3.38	1010	1.06	3.41	24.4	23.8	850
R319702	8.02	18.25	0.10	4.4	0.055	0.78	33.3	12.2	3.22	951	1.04	3.49	25.3	24.9	860
R319703	2.28	7.49	0.06	1.8	0.015	0.80	11.2	5.4	0.61	328	0.26	1.28	3.0	17.2	200
R319704	9.35	22.7	0.16	4.5	0.100	0.81	44.1	16.1	3.40	1170	0.94	2.71	26.2	27.3	880
R319705	8.69	18.90	0.11	4.6	0.059	0.89	33.1	16.4	3.42	1200	0.99	3.54	27.5	26.9	890
R319706	7.34	16.85	0.13	3.6	0.068	0.65	24.9	10.7	3.23	854	1.04	2.66	20.4	25.0	680
R319707	8.01	16.60	0.10	4.6	0.051	0.72	33.7	16.9	3.47	970	0.87	3.30	26.5	27.1	860
R319708	7.17	15.80	0.10	4.4	0.056	0.58	28.3	23.2	3.89	1050	0.77	3.13	25.0	30.1	870
R319709	8.24	19.80	0.09	4.3	0.071	0.82	34.8	18.7	3.33	1040	0.97	3.33	25.4	27.0	850
R319710	7.13	15.40	0.09	4.3	0.048	0.61	27.1	22.3	3.79	1060	0.88	3.55	24.8	28.7	840
R319711	5.10	18.10	0.12	0.2	0.169	2.48	15.7	32.9	0.77	1200	22.4	0.72	4.7	18.6	780
R319712	7.27	19.30	0.09	4.1	0.107	0.67	28.8	18.0	3.14	1200	1.47	2.08	22.8	28.5	770
R319713	7.78	17.50	0.12	4.0	0.063	0.88	31.7	19.9	3.23	1320	1.16	3.28	24.1	27.8	800
R319714	8.54	19.00	0.12	4.3	0.080	1.01	35.6	15.3	3.15	1190	0.96	3.45	25.3	29.0	820
R319715	7.05	17.55	0.08	3.6	0.096	0.67	27.7	9.5	2.58	1160	1.77	2.82	22.0	24.9	660
R319716	7.42	19.55	0.09	3.4	0.108	0.66	26.6	7.2	2.11	937	1.46	2.37	20.1	22.3	620
R319717	8.78	27.9	0.13	5.1	0.100	0.63	47.0	16.2	2.78	1240	1.53	3.07	29.1	23.4	840
R319718	7.33	16.80	0.09	2.2	0.046	0.88	11.3	24.8	4.55	1220	1.86	2.53	5.6	133.5	650
R319719	7.48	16.75	0.09	2.2	0.052	0.69	11.5	19.2	4.39	1640	0.59	2.12	5.7	128.5	650
R319720	7.18	17.00	0.08	2.0	0.054	0.81	11.9	23.0	4.18	1510	0.55	2.27	5.7	121.5	630
R319721	10.45	28.0	0.85	3.4	0.039	2.24	790	25.0	1.12	941	19.80	0.05	51.1	7.9	1250
R319722	7.51	17.45	0.08	2.1	0.049	0.78	11.9	21.4	4.35	1680	0.45	2.16	5.9	132.5	660
R319723	7.37	16.60	0.11	2.1	0.050	0.81	11.7	20.3	4.19	1420	0.61	2.24	5.7	128.5	640
R319724	7.50	16.90	0.09	2.2	0.052	0.84	11.9	20.3	4.19	1300	0.48	2.23	5.8	130.0	640
R319725	7.64	18.40	0.07	2.2	0.054	0.81	12.3	26.4	4.50	1600	0.82	2.47	6.1	133.5	670
R319726	7.41	17.60	0.09	2.2	0.053	0.82	11.7	22.5	4.49	1390	0.54	2.49	5.7	130.5	650
R319727	7.73	18.50	0.10	2.2	0.057	0.62	12.1	27.6	4.58	1800	2.12	2.42	6.1	138.5	670
R319728	7.60	17.40	0.09	2.2	0.047	0.69	11.9	25.2	4.42	1760	0.53	2.31	5.8	129.5	660
R319729	7.86	19.20	<0.05	2.5	0.058	0.84	12.8	24.9	4.65	1860	0.47	2.40	6.2	135.5	650
R319730	7.87	18.75	<0.05	2.4	0.055	0.78	13.1	23.6	4.52	1840	0.49	2.38	6.1	134.0	640

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15049802

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319696A		5.5	25.7	<0.002	0.04	0.74	30.2	2	1.5	339	1.45	0.12	5.0	0.709	0.15	1.2
R319696B		5.2	26.5	<0.002	0.04	0.71	30.5	3	1.5	333	1.47	0.23	5.0	0.719	0.16	1.2
R319697		2.0	24.1	<0.002	<0.01	0.94	32.4	1	1.6	283	1.50	<0.05	5.1	0.750	0.14	1.1
R319698		2.6	37.3	<0.002	<0.01	0.78	31.8	1	1.9	360	1.52	0.06	5.4	0.747	0.24	1.2
R319699		2.3	34.7	<0.002	<0.01	0.61	30.5	1	1.5	277	1.49	0.09	5.0	0.727	0.20	1.1
R319700		2.6	30.1	<0.002	0.01	0.70	30.8	1	1.5	296	1.46	0.14	5.1	0.745	0.18	1.1
R319701		2.9	18.3	<0.002	<0.01	0.64	30.7	1	1.7	230	1.48	0.05	5.0	0.728	0.11	1.3
R319702		2.9	29.9	<0.002	0.01	0.85	32.1	1	1.6	335	1.59	0.09	5.3	0.757	0.18	1.2
R319703		6.7	24.9	<0.002	<0.01	0.16	7.5	<1	0.5	178.5	0.21	<0.05	2.3	0.206	0.13	0.6
R319704		4.2	29.9	<0.002	<0.01	0.73	33.5	1	1.8	407	1.53	0.07	5.3	0.761	0.18	1.4
R319705		3.1	33.8	0.002	0.01	0.78	34.1	2	1.5	259	1.63	0.21	5.7	0.785	0.21	1.2
R319706		5.0	25.2	<0.002	0.10	0.82	29.0	3	1.4	241	1.24	0.64	4.2	0.605	0.15	0.9
R319707		2.5	25.0	<0.002	<0.01	0.80	33.5	1	1.5	269	1.56	0.07	5.5	0.762	0.15	1.2
R319708		3.3	21.9	0.002	0.01	0.57	31.6	1	1.5	262	1.52	<0.05	5.3	0.758	0.13	1.0
R319709		3.9	29.7	<0.002	<0.01	0.69	31.7	1	1.4	293	1.52	0.06	5.2	0.741	0.18	1.1
R319710		2.1	21.3	<0.002	<0.01	0.61	31.3	1	1.4	166.0	1.51	<0.05	4.9	0.739	0.14	0.9
R319711		75.7	93.1	0.171	2.99	2.01	8.0	5	2.2	209	0.30	0.62	4.6	0.197	1.52	0.9
R319712		6.5	24.9	<0.002	<0.01	0.40	29.7	1	1.7	304	1.44	0.08	4.7	0.679	0.16	0.9
R319713		3.1	34.6	<0.002	<0.01	0.44	30.6	1	1.3	217	1.45	0.07	4.9	0.694	0.23	1.0
R319714		3.7	33.4	<0.002	<0.01	0.65	31.5	1	1.6	270	1.53	0.06	5.2	0.733	0.24	1.1
R319715		4.9	21.2	<0.002	<0.01	0.42	27.1	1	1.3	221	1.29	0.07	4.5	0.638	0.14	0.8
R319716		6.4	21.5	<0.002	<0.01	0.73	25.6	1	1.3	282	1.24	0.07	4.1	0.590	0.13	0.7
R319717		31.8	17.6	0.002	0.01	0.82	29.0	2	2.0	287	1.85	0.29	6.8	0.724	0.10	1.7
R319718		2.6	33.5	<0.002	0.04	0.72	30.4	1	0.6	342	0.30	<0.05	0.9	0.520	0.20	0.3
R319719		2.1	18.2	<0.002	<0.01	0.19	30.4	1	0.6	314	0.29	<0.05	0.9	0.518	0.13	0.2
R319720		6.3	26.0	<0.002	<0.01	0.26	30.3	<1	0.5	313	0.29	<0.05	0.9	0.498	0.18	0.3
R319721		20.7	178.0	0.091	0.10	1.03	8.8	9	8.0	20.8	2.01	0.13	35.1	0.328	0.67	384
R319722		2.5	20.7	<0.002	<0.01	0.18	30.6	<1	0.6	339	0.30	<0.05	1.0	0.522	0.18	0.4
R319723		1.9	22.3	<0.002	<0.01	0.34	31.3	<1	0.6	345	0.29	<0.05	0.9	0.513	0.18	0.3
R319724		2.1	30.0	<0.002	<0.01	0.44	31.4	<1	0.6	339	0.31	<0.05	1.0	0.514	0.19	0.3
R319725		2.3	21.2	<0.002	<0.01	0.27	32.5	1	0.6	359	0.31	<0.05	1.0	0.533	0.18	0.3
R319726		1.7	25.7	<0.002	<0.01	0.49	30.6	<1	0.6	324	0.29	<0.05	0.9	0.525	0.18	0.4
R319727		7.0	17.1	0.002	<0.01	0.23	32.7	1	0.6	363	0.30	<0.05	0.9	0.535	0.13	0.3
R319728		3.0	23.1	<0.002	<0.01	0.20	31.5	1	0.6	333	0.31	0.05	0.9	0.524	0.19	0.3
R319729		3.0	31.5	<0.002	0.01	0.22	35.1	2	0.6	324	0.34	<0.05	1.0	0.540	0.20	0.3
R319730		2.5	27.1	<0.002	<0.01	0.22	34.4	1	0.6	334	0.34	<0.05	1.0	0.531	0.16	0.3

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
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CERTIFICATE OF ANALYSIS SD 15049802

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319696A	274	0.8	24.3	34	159.0	4.65	2.68	1.50	4.90	0.90	0.36	27.3	6.69	5.28	0.72
R319696B	275	0.8	24.6	33	162.5	4.58	2.74	1.53	4.98	0.90	0.36	28.5	7.12	5.37	0.74
R319697	253	0.9	25.8	39	170.0	4.74	2.73	1.53	5.10	0.91	0.35	27.4	6.67	5.75	0.76
R319698	234	1.0	24.9	39	168.5	4.75	2.73	1.36	4.99	0.91	0.36	26.1	6.44	5.44	0.75
R319699	256	0.8	23.9	40	164.0	4.67	2.61	1.56	4.81	0.88	0.35	27.2	6.66	5.47	0.71
R319700	249	0.8	23.8	34	165.5	4.57	2.69	1.51	4.93	0.90	0.36	25.7	6.30	5.40	0.72
R319701	255	0.8	25.4	37	166.0	4.75	2.73	1.79	5.06	0.91	0.36	27.2	6.49	5.63	0.78
R319702	262	0.8	27.1	33	172.0	4.99	2.87	1.69	5.39	0.98	0.37	29.2	7.14	5.99	0.81
R319703	63	0.2	7.0	24	59.9	1.36	0.78	0.45	1.52	0.25	0.12	10.3	2.59	1.87	0.21
R319704	282	0.7	29.4	39	174.0	5.56	3.02	2.09	6.28	1.05	0.39	36.5	9.02	7.06	0.92
R319705	266	0.7	27.1	44	181.5	5.30	3.07	1.75	5.52	1.02	0.40	29.2	7.18	5.93	0.82
R319706	247	0.8	22.4	30	138.5	4.27	2.46	1.46	4.41	0.81	0.30	23.0	5.53	4.78	0.64
R319707	254	0.8	25.0	36	177.5	4.91	2.78	1.47	5.33	0.93	0.36	30.1	7.46	6.06	0.78
R319708	233	0.9	22.7	47	171.0	4.46	2.57	1.24	4.52	0.85	0.34	25.8	6.33	5.19	0.71
R319709	259	0.9	25.5	40	167.0	4.96	2.83	1.70	5.31	0.94	0.36	29.2	7.29	5.99	0.78
R319710	237	0.7	22.9	45	167.0	4.19	2.53	1.18	4.51	0.82	0.34	24.7	6.08	5.19	0.69
R319711	76	6.4	8.6	746	4.9	1.82	0.91	0.88	2.41	0.32	0.11	15.2	3.65	3.23	0.31
R319712	227	0.6	22.6	48	155.0	4.33	2.50	1.36	4.47	0.82	0.34	25.1	6.15	5.19	0.68
R319713	249	0.6	23.9	57	160.5	4.45	2.58	1.48	4.77	0.86	0.34	27.5	6.74	5.50	0.71
R319714	261	0.9	25.2	47	165.0	4.86	2.79	1.66	5.26	0.95	0.35	29.0	7.20	5.78	0.79
R319715	222	0.6	20.7	44	139.0	4.00	2.35	1.37	4.28	0.77	0.29	23.8	5.89	4.82	0.62
R319716	234	0.5	20.1	32	131.0	3.93	2.18	1.43	4.16	0.72	0.27	23.8	5.91	4.89	0.61
R319717	270	0.9	31.4	44	190.5	6.06	3.38	2.32	6.67	1.19	0.44	37.1	9.36	7.10	0.99
R319718	228	0.4	17.7	72	77.8	3.23	2.04	0.90	3.09	0.66	0.26	12.5	2.91	2.96	0.48
R319719	227	0.3	17.8	101	77.8	3.24	2.01	0.92	3.09	0.66	0.28	12.9	2.92	2.95	0.49
R319720	220	0.3	17.3	100	77.7	3.23	2.04	0.92	3.21	0.65	0.27	12.9	2.97	2.95	0.49
R319721	76	18.3	127.0	20	118.5	25.1	14.00	7.24	31.3	4.68	1.75	415	129.5	49.3	4.33
R319722	231	0.2	17.8	106	78.1	3.29	2.05	0.96	3.20	0.66	0.28	13.2	3.06	3.01	0.50
R319723	225	0.3	17.9	86	74.9	3.26	2.03	0.94	3.21	0.64	0.28	13.1	3.02	3.05	0.50
R319724	232	0.3	18.1	70	77.8	3.34	2.10	0.94	3.37	0.67	0.28	13.4	3.05	3.09	0.52
R319725	237	0.3	18.7	93	81.8	3.45	2.16	0.97	3.30	0.68	0.30	13.7	3.12	3.28	0.53
R319726	235	0.4	17.7	77	77.0	3.20	2.01	0.94	3.20	0.66	0.27	13.4	3.00	3.16	0.49
R319727	242	0.3	18.5	121	85.6	3.38	2.13	0.92	3.27	0.69	0.29	13.5	3.04	3.13	0.50
R319728	232	0.3	17.8	110	78.8	3.29	2.08	0.93	3.22	0.66	0.29	13.2	3.00	3.02	0.51
R319729	230	0.3	21.0	117	98.3	3.63	2.28	1.10	3.53	0.73	0.31	14.8	3.32	3.35	0.55
R319730	229	0.3	20.5	116	95.4	3.62	2.26	1.10	3.41	0.75	0.32	14.9	3.29	3.24	0.53

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 20-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15049802

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319696A		0.38	2.53
R319696B		0.37	2.45
R319697		0.38	2.56
R319698		0.37	2.52
R319699		0.36	2.50
R319700		0.38	2.49
R319701		0.38	2.48
R319702		0.40	2.59
R319703		0.12	0.81
R319704		0.42	2.75
R319705		0.42	2.68
R319706		0.33	2.21
R319707		0.39	2.48
R319708		0.36	2.46
R319709		0.39	2.51
R319710		0.35	2.33
R319711		0.13	0.82
R319712		0.34	2.37
R319713		0.35	2.38
R319714		0.40	2.56
R319715		0.32	2.10
R319716		0.29	1.90
R319717		0.47	3.00
R319718		0.28	1.89
R319719		0.29	1.92
R319720		0.27	2.02
R319721		1.93	12.60
R319722		0.29	1.88
R319723		0.28	1.96
R319724		0.30	2.00
R319725		0.30	2.04
R319726		0.29	1.87
R319727		0.29	1.98
R319728		0.28	1.95
R319729		0.33	2.06
R319730		0.32	2.02

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CERTIFICATE OF ANALYSIS SD 15049802

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE SD15051199

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 8-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

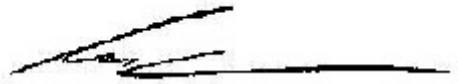
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319731A	1.98	<5	0.03	7.81	1.6	580	0.53	0.06	5.64	0.04	26.0	52.0	221	2.98	33.3
R319731B	<0.02	<5	0.03	7.78	0.7	600	0.56	0.07	5.72	0.05	25.9	53.7	212	2.89	33.3
R319732	1.06	<5	0.01	7.51	0.7	660	0.57	0.08	5.44	0.04	25.3	50.7	202	3.19	18.5
R319733	1.18	<5	0.02	7.25	1.7	510	0.54	0.05	4.96	0.04	24.5	50.7	205	3.43	34.6
R319734	2.39	<5	0.01	7.64	0.8	570	0.56	0.05	4.87	0.03	26.7	51.7	208	3.97	9.7
R319735	0.75	6	0.08	7.72	4.0	1190	1.75	0.40	5.50	0.04	91.1	45.6	63	2.80	201
R319736	2.04	8	0.13	7.06	3.7	1320	1.83	0.45	5.42	0.21	90.0	39.6	35	2.90	193.5
R319737	1.96	6	0.14	7.54	4.7	1410	1.94	0.37	6.11	0.34	93.0	47.0	59	3.03	214
R319738	0.17	<5	0.03	3.21	1.5	240	0.52	0.04	1.36	0.07	21.8	6.5	50	0.60	26.1
R319739	1.68	6	0.11	7.55	6.5	1350	1.90	0.31	5.99	0.10	93.5	49.0	71	3.16	209
R319740	2.70	15	0.14	7.67	4.4	1520	1.96	0.25	5.84	0.50	93.9	44.5	39	3.32	203
R319741	2.29	12	0.14	7.27	2.9	1640	2.13	0.42	4.38	<0.02	91.6	40.7	47	6.09	229
R319742	0.70	31	0.17	4.72	5.6	40	0.67	0.19	5.12	<0.02	12.85	80.3	395	0.76	73.9
R319743	1.23	<5	0.10	5.65	3.4	50	2.64	0.13	1.20	<0.02	64.4	3.5	19	1.23	31.0
R319744	0.68	<5	0.29	6.12	2.1	60	2.75	0.23	2.05	0.02	43.0	8.8	34	1.33	662
R319745	1.86	26	0.07	7.16	4.1	100	1.10	0.11	5.58	<0.02	42.4	46.2	174	5.69	504
R319746	0.03	314	2.14	7.92	27.6	390	0.96	0.80	1.21	3.95	33.4	12.6	29	10.05	2430
R319747	2.21	21	0.11	7.23	5.3	110	0.59	0.11	6.57	0.10	35.2	55.2	149	3.07	574
R319748	3.02	21	0.12	7.13	3.8	110	0.55	0.12	7.31	0.15	36.1	49.8	124	2.18	582
R319749	2.07	8	0.07	7.32	5.4	120	0.57	0.08	7.71	0.14	31.9	48.9	143	2.55	333
R319750	2.18	13	0.08	7.10	4.9	130	0.56	0.06	7.49	0.30	35.6	49.2	132	1.64	429
R319751	2.05	18	0.10	7.29	8.0	130	0.59	0.23	7.69	0.60	34.6	47.9	129	2.28	546
R319752	2.55	104	0.11	7.26	5.5	160	0.64	0.13	7.65	0.30	47.1	56.0	157	1.52	787
R319753	0.63	<5	0.03	4.98	10.0	90	0.64	0.23	9.05	0.04	61.4	67.6	733	2.11	41.6
R319754	0.96	102	0.22	5.69	8.1	150	0.54	0.22	6.10	0.03	28.4	69.1	594	15.55	1245
R319755	0.61	70	0.16	5.85	10.3	100	0.64	5.32	7.18	0.04	32.2	56.2	493	4.08	1715
R319756	<0.02	17	0.53	5.23	14.6	170	7.03	0.44	1.13	0.06	>500	49.0	28	2.39	427
R319757	1.84	14	0.06	5.85	8.6	110	0.77	0.13	6.41	0.03	41.4	57.3	552	3.90	460
R319758	1.06	<5	0.08	6.67	2.1	70	2.27	0.03	1.78	0.02	58.2	4.6	27	1.34	149.5
R319759	1.31	21	0.12	6.32	0.6	60	2.18	0.09	1.64	1.64	48.7	3.0	23	1.15	757
R319760	0.91	265	1.63	6.58	9.0	60	2.44	0.48	2.05	0.03	61.4	38.2	17	1.07	2730
R319761	1.77	19	0.06	6.61	0.4	50	2.27	0.04	1.67	<0.02	68.7	2.3	21	1.15	550
R319762	0.86	37	0.09	6.68	<0.2	60	2.33	0.12	1.67	0.03	67.0	2.9	19	1.20	624
R319763	0.84	44	1.79	6.92	1.3	80	2.32	0.44	1.49	0.25	99.4	6.2	33	1.36	3580
R319764	1.00	<5	0.03	6.55	1.5	60	2.01	0.05	1.83	<0.02	88.3	3.2	17	1.27	57.7
R319765	0.91	<5	0.01	6.84	1.3	70	2.37	0.03	1.64	<0.02	94.5	2.9	20	1.50	49.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319731A	7.82	18.60	<0.05	2.3	0.050	0.78	12.0	22.2	4.54	1920	0.93	2.39	5.9	136.0	640
R319731B	7.94	18.95	<0.05	2.3	0.058	0.80	12.4	22.1	4.57	1980	0.63	2.42	6.1	142.5	660
R319732	7.54	18.35	<0.05	2.2	0.050	0.87	11.6	21.5	4.47	1920	0.49	2.33	5.9	135.5	620
R319733	7.26	17.35	<0.05	2.1	0.053	0.78	11.1	24.6	4.36	1580	0.48	2.45	5.7	130.0	600
R319734	7.65	17.80	<0.05	2.3	0.055	0.84	13.4	27.7	4.55	1740	0.32	2.58	5.9	133.0	630
R319735	8.02	20.2	0.09	11.0	0.070	1.75	46.3	35.9	3.26	1360	1.64	1.78	37.7	72.5	2490
R319736	7.25	18.80	0.06	11.0	0.066	2.01	45.4	36.2	2.61	1220	1.65	1.30	37.8	61.1	2450
R319737	7.91	20.0	0.08	11.4	0.069	2.12	47.0	41.7	3.22	1390	1.70	1.35	38.9	102.5	2560
R319738	2.16	7.58	<0.05	1.6	0.021	0.77	11.3	5.3	0.61	316	0.31	1.23	3.2	24.7	190
R319739	8.01	19.55	0.12	11.1	0.062	2.15	47.8	42.3	3.59	1420	1.60	1.40	38.8	123.0	2520
R319740	7.91	20.1	0.10	11.4	0.078	2.62	48.5	38.5	2.96	1300	1.60	1.36	39.6	75.8	2550
R319741	7.43	18.55	0.31	11.0	0.066	2.68	46.5	48.2	3.16	1080	1.08	1.53	38.0	67.3	2480
R319742	7.71	10.60	0.12	2.0	0.169	0.27	6.6	20.5	4.80	769	0.66	2.88	8.8	155.5	580
R319743	0.70	14.60	0.25	3.7	0.007	0.41	33.4	7.1	0.20	119	0.67	3.76	33.9	7.1	50
R319744	1.52	15.55	0.24	3.7	0.015	0.44	24.1	13.7	0.49	236	1.17	3.58	29.7	15.3	110
R319745	8.27	18.50	0.13	3.4	0.092	0.72	19.1	19.6	4.19	718	1.47	2.63	19.0	152.0	820
R319746	5.33	18.05	0.14	0.2	0.187	2.52	17.2	33.0	0.78	1200	21.3	0.73	4.8	20.0	800
R319747	9.88	18.15	0.12	3.1	0.107	0.46	16.0	19.1	4.40	1400	2.14	2.03	14.2	133.5	1040
R319748	9.57	17.15	0.10	3.1	0.124	0.33	16.7	14.1	3.92	1400	1.32	1.94	15.0	76.2	1200
R319749	8.86	16.85	0.07	2.9	0.098	0.36	14.5	14.9	4.17	1140	1.04	2.02	13.2	93.9	1040
R319750	9.51	17.10	0.08	3.0	0.098	0.30	16.7	12.4	3.85	1360	1.79	1.85	14.8	76.8	1210
R319751	9.40	17.25	0.05	3.4	0.143	0.35	15.8	13.9	3.89	1260	1.19	2.12	15.5	85.6	1260
R319752	9.69	17.90	0.07	3.3	0.127	0.36	23.5	10.5	4.18	1360	1.52	1.97	15.5	96.1	1240
R319753	9.10	14.85	0.07	1.9	0.240	0.71	35.6	11.6	7.45	920	1.02	0.64	7.1	583	620
R319754	8.33	18.55	<0.05	2.7	0.103	1.48	13.2	30.6	7.82	944	2.33	1.14	7.6	569	610
R319755	8.42	18.10	0.06	3.2	0.132	0.39	12.7	12.7	6.36	1020	3.85	1.87	9.5	421	800
R319756	10.50	28.9	0.80	3.5	0.037	2.26	780	27.2	1.12	942	19.95	0.05	54.7	8.4	1240
R319757	8.26	19.35	0.05	2.9	0.084	0.53	19.9	33.7	7.00	855	1.44	1.59	10.5	429	690
R319758	1.29	16.00	0.10	4.1	0.013	0.44	30.6	8.4	0.38	168	1.43	4.18	25.1	15.0	200
R319759	1.06	15.70	0.14	3.9	0.017	0.39	26.2	5.1	0.25	154	1.05	4.06	22.0	14.9	160
R319760	1.49	16.40	0.16	4.1	0.061	0.39	33.2	6.5	0.19	161	2.53	4.21	23.6	21.3	160
R319761	1.08	16.30	0.16	3.9	0.018	0.44	37.4	6.0	0.17	139	1.28	4.23	22.2	11.6	160
R319762	1.18	16.30	0.18	4.2	0.015	0.54	36.7	6.2	0.17	133	1.25	4.16	21.8	10.5	160
R319763	1.70	18.95	0.19	4.2	0.043	0.62	54.6	9.7	0.25	156	2.46	4.14	19.8	16.3	180
R319764	1.40	16.05	0.18	3.8	0.011	0.39	49.0	7.0	0.20	167	0.70	4.15	18.3	12.1	170
R319765	1.45	17.45	0.19	4.2	0.013	0.48	52.3	7.5	0.21	161	1.05	4.24	20.0	12.2	180

***** See Appendix Page for comments regarding this certificate *****

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319731A		3.3	18.5	<0.002	<0.01	0.17	32.2	2	0.6	335	0.32	<0.05	1.0	0.528	0.17	0.3
R319731B		3.0	16.7	<0.002	<0.01	0.11	32.7	1	0.6	343	0.34	<0.05	0.9	0.533	0.17	0.3
R319732		2.9	21.7	<0.002	<0.01	0.16	32.6	2	0.6	325	0.32	<0.05	0.9	0.514	0.21	0.2
R319733		2.7	23.2	<0.002	<0.01	0.23	31.9	2	0.6	312	0.30	<0.05	0.9	0.491	0.20	0.3
R319734		2.9	31.3	<0.002	<0.01	0.09	33.0	2	0.6	319	0.32	<0.05	0.9	0.515	0.21	0.3
R319735		13.8	60.1	0.003	0.07	0.82	30.1	3	1.7	379	2.24	0.07	13.3	1.215	0.38	2.2
R319736		12.9	61.8	0.002	0.09	0.81	26.6	3	1.6	350	2.28	0.09	13.6	1.170	0.41	2.3
R319737		12.4	74.0	<0.002	0.10	0.94	28.7	3	1.6	359	2.38	0.09	13.8	1.255	0.49	2.3
R319738		7.6	26.1	<0.002	<0.01	0.13	7.6	1	0.5	169.5	0.23	<0.05	2.4	0.220	0.13	0.5
R319739		10.1	84.2	0.003	0.10	0.98	29.7	3	1.7	332	2.32	0.06	13.9	1.260	0.55	2.3
R319740		21.7	97.3	0.002	0.12	1.00	28.2	3	1.7	331	2.38	0.07	14.4	1.245	0.60	2.4
R319741		7.1	109.5	<0.002	0.05	0.83	27.5	3	1.7	272	2.25	0.05	14.2	1.200	0.60	2.4
R319742		2.1	12.2	<0.002	<0.01	0.91	25.3	1	11.4	48.7	0.49	0.08	1.2	0.569	0.07	1.5
R319743		3.2	18.9	<0.002	<0.01	0.41	2.7	1	1.5	119.0	3.87	<0.05	31.2	0.066	0.11	5.0
R319744		35.0	25.7	0.002	0.18	0.40	5.0	1	3.2	139.0	3.42	<0.05	31.1	0.107	0.13	6.9
R319745		3.1	37.5	<0.002	0.04	0.87	34.6	2	3.1	284	1.38	<0.05	5.0	0.938	0.16	2.3
R319746		79.2	102.5	0.203	3.00	1.93	8.2	6	2.0	210	0.36	0.70	4.8	0.195	1.47	1.1
R319747		3.0	27.1	0.002	0.10	0.63	45.3	2	1.7	258	0.82	0.05	1.3	1.005	0.13	0.6
R319748		3.8	16.7	0.004	0.14	0.66	55.1	2	1.2	192.5	0.83	0.06	1.3	0.950	0.07	0.5
R319749		5.1	15.6	0.002	0.07	0.71	56.1	2	1.9	209	0.73	0.06	1.2	0.910	0.08	0.9
R319750		4.0	12.6	0.002	0.11	0.45	55.1	2	1.4	177.0	0.83	0.06	1.3	0.935	0.06	0.4
R319751		7.1	17.6	0.002	0.10	0.71	55.0	3	1.6	219	0.89	0.06	1.4	0.974	0.08	0.5
R319752		5.5	22.9	0.002	0.15	0.57	56.1	3	1.6	193.0	0.89	0.07	1.4	0.974	0.08	0.6
R319753		1.7	45.6	<0.002	<0.01	1.74	19.9	1	3.1	272	0.43	<0.05	1.0	0.821	0.16	1.0
R319754		1.3	119.0	<0.002	0.18	1.16	25.7	2	1.2	180.5	0.46	0.15	1.6	0.861	0.47	0.5
R319755		2.4	31.9	<0.002	0.21	1.57	25.8	4	2.2	238	0.56	0.59	1.8	1.045	0.13	0.7
R319756		21.9	195.5	0.093	0.09	1.00	9.0	11	8.0	21.8	2.09	0.12	35.2	0.326	0.64	386
R319757		2.1	44.5	<0.002	0.04	1.32	26.7	2	2.1	203	0.60	0.07	2.2	0.915	0.17	1.5
R319758		5.6	25.3	<0.002	0.01	0.59	3.5	1	1.4	174.5	2.52	<0.05	24.1	0.127	0.11	5.1
R319759		32.7	20.8	<0.002	0.08	0.24	2.4	1	1.0	165.0	2.24	<0.05	24.2	0.080	0.10	4.4
R319760		6.1	21.3	<0.002	0.63	0.34	2.1	6	1.2	174.0	2.45	0.10	24.5	0.073	0.10	4.0
R319761		3.6	22.0	<0.002	0.05	0.20	2.2	1	1.0	172.0	2.30	<0.05	24.5	0.066	0.09	4.1
R319762		4.3	27.0	<0.002	0.11	0.23	2.2	1	1.0	165.0	2.28	<0.05	24.8	0.067	0.12	4.5
R319763		17.2	33.2	<0.002	0.25	0.24	3.0	5	1.2	162.0	1.92	<0.05	27.4	0.066	0.16	4.4
R319764		2.7	23.8	<0.002	0.05	0.21	2.9	1	1.0	151.0	1.90	<0.05	25.9	0.060	0.11	3.9
R319765		2.8	30.9	<0.002	0.01	0.22	3.0	1	1.1	156.0	2.04	<0.05	27.2	0.065	0.13	4.1

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319731A	229	0.3	19.3	124	90.3	3.38	2.07	1.01	3.19	0.69	0.28	14.1	3.12	3.12	0.51
R319731B	231	0.3	19.4	129	91.1	3.48	2.18	1.05	3.32	0.71	0.30	13.7	3.07	3.01	0.52
R319732	220	0.5	19.1	124	86.7	3.40	2.09	1.03	3.22	0.70	0.29	13.8	3.06	3.02	0.50
R319733	217	0.3	18.8	99	89.5	3.27	2.02	0.91	3.10	0.67	0.28	13.0	2.92	2.92	0.49
R319734	221	0.3	19.7	114	90.6	3.57	2.15	1.08	3.40	0.71	0.30	14.2	3.19	3.12	0.53
R319735	284	0.6	23.0	127	430	4.35	2.35	1.79	5.14	0.82	0.32	37.8	9.59	6.24	0.70
R319736	264	0.5	21.4	169	426	4.08	2.26	1.71	4.86	0.77	0.30	36.6	9.50	6.07	0.67
R319737	279	0.4	21.9	216	439	4.15	2.26	1.81	5.00	0.79	0.31	38.2	9.78	6.24	0.70
R319738	61	0.2	7.5	30	59.9	1.43	0.86	0.51	1.60	0.28	0.13	10.7	2.64	1.90	0.23
R319739	279	0.5	21.9	209	440	4.09	2.26	1.81	5.00	0.78	0.31	38.7	9.95	6.37	0.70
R319740	283	0.4	22.5	178	452	4.31	2.31	1.79	4.99	0.82	0.33	39.3	9.99	6.36	0.70
R319741	271	0.7	22.0	114	429	4.13	2.30	1.78	4.87	0.80	0.33	38.5	9.80	6.33	0.67
R319742	152	0.7	17.3	44	80.0	2.96	1.83	0.65	2.41	0.61	0.25	7.9	1.65	2.05	0.41
R319743	15	1.2	15.6	10	93.3	2.62	1.71	0.18	2.61	0.53	0.32	21.6	6.31	3.72	0.42
R319744	41	2.3	19.7	26	96.8	2.87	1.97	0.24	2.73	0.60	0.36	16.4	4.91	3.31	0.45
R319745	344	2.6	30.6	39	121.5	4.87	2.92	1.40	4.84	1.01	0.41	21.4	5.25	4.77	0.79
R319746	74	7.4	9.4	764	5.0	1.81	0.93	0.94	2.41	0.33	0.11	15.2	3.83	3.13	0.34
R319747	383	1.0	32.5	67	122.0	5.28	3.23	1.47	5.05	1.13	0.47	19.2	4.43	4.54	0.83
R319748	371	0.7	35.3	68	124.0	5.36	3.51	1.37	4.85	1.17	0.52	18.7	4.41	4.48	0.81
R319749	379	0.7	33.4	68	113.5	5.24	3.40	1.30	4.82	1.12	0.49	17.6	4.04	4.37	0.80
R319750	361	0.4	35.2	73	121.5	5.42	3.51	1.37	4.92	1.19	0.52	18.7	4.43	4.49	0.82
R319751	361	0.7	35.7	77	132.5	5.61	3.64	1.39	5.09	1.21	0.53	18.6	4.35	4.42	0.86
R319752	368	0.6	37.1	84	132.0	5.90	3.77	1.53	5.43	1.27	0.56	22.4	5.56	5.02	0.90
R319753	222	0.9	15.3	59	75.3	2.72	1.35	1.40	3.48	0.52	0.16	24.1	6.53	4.45	0.49
R319754	236	1.2	17.0	48	104.0	3.13	1.59	1.20	3.64	0.60	0.19	15.6	3.49	3.78	0.55
R319755	265	4.0	21.7	51	127.0	3.79	1.94	1.47	4.37	0.73	0.23	19.1	4.31	4.70	0.67
R319756	75	17.8	139.0	21	127.5	24.4	13.55	7.75	30.5	4.76	1.75	411	138.0	49.0	4.39
R319757	252	1.2	21.9	44	111.0	3.78	2.00	1.42	4.27	0.73	0.25	20.1	4.88	4.67	0.65
R319758	33	0.9	16.6	14	133.5	2.44	1.59	0.38	2.60	0.50	0.29	19.2	5.78	3.44	0.41
R319759	25	1.5	12.6	30	123.5	1.87	1.25	0.28	2.07	0.40	0.23	16.2	4.92	2.85	0.32
R319760	29	5.0	13.6	13	130.0	2.08	1.30	0.40	2.29	0.43	0.24	19.7	6.11	3.34	0.36
R319761	21	5.6	13.9	11	126.0	2.13	1.34	0.31	2.36	0.43	0.24	21.2	6.75	3.39	0.36
R319762	23	3.9	14.0	12	133.0	2.21	1.40	0.31	2.41	0.45	0.26	20.9	6.55	3.45	0.37
R319763	42	5.2	15.3	25	136.0	2.40	1.43	0.42	2.87	0.48	0.26	30.1	10.10	4.47	0.41
R319764	23	6.2	14.4	16	122.0	2.23	1.38	0.36	2.62	0.45	0.24	26.3	8.42	3.91	0.38
R319765	25	6.9	15.1	15	136.5	2.33	1.44	0.37	2.77	0.47	0.26	28.3	9.10	4.27	0.42

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319731A		0.30	1.83
R319731B		0.30	1.90
R319732		0.29	1.84
R319733		0.30	1.79
R319734		0.31	1.91
R319735		0.33	2.10
R319736		0.31	1.95
R319737		0.31	1.98
R319738		0.13	0.81
R319739		0.32	1.98
R319740		0.33	2.04
R319741		0.32	1.96
R319742		0.27	1.70
R319743		0.28	1.95
R319744		0.32	2.29
R319745		0.43	2.67
R319746		0.12	0.78
R319747		0.47	3.00
R319748		0.52	3.43
R319749		0.50	3.25
R319750		0.53	3.40
R319751		0.55	3.46
R319752		0.56	3.67
R319753		0.18	1.08
R319754		0.22	1.29
R319755		0.26	1.51
R319756		1.93	12.00
R319757		0.28	1.72
R319758		0.25	1.74
R319759		0.20	1.43
R319760		0.21	1.50
R319761		0.21	1.49
R319762		0.22	1.54
R319763		0.23	1.60
R319764		0.22	1.50
R319765		0.23	1.56

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 21-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15051199

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
Account: SUPCOP

CERTIFICATE SD15054732

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 15-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054732

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319766A	1.32	<5	0.01	6.40	2.4	60	1.88	0.03	1.54	0.02	66.1	2.1	22	1.31	44.7
R319766B	<0.02	<5	0.01	6.39	2.1	60	1.93	0.02	1.56	0.03	66.4	2.0	18	1.32	47.1
R319767	1.99	<5	0.01	6.25	6.1	60	1.91	0.03	1.89	0.02	66.3	2.3	26	1.16	25.4
R319768	1.88	<5	0.03	6.13	8.5	60	1.78	0.03	1.98	<0.02	61.3	2.4	26	0.97	24.6
R319769	4.53	16	0.06	6.44	8.5	200	0.69	0.10	5.77	0.04	31.9	52.7	289	4.03	411
R319770	2.16	27	0.09	6.92	5.6	170	0.53	0.11	6.58	0.12	26.5	53.1	54	2.61	562
R319771	2.58	41	0.16	6.84	6.9	140	0.59	0.25	6.16	0.04	24.6	54.0	49	3.89	1240
R319772	2.29	37	0.15	6.77	6.9	170	0.54	0.20	6.52	0.10	25.6	53.7	57	2.87	705
R319773	0.26	<5	0.03	3.21	1.6	250	0.55	0.03	1.39	0.07	21.1	6.3	53	0.60	13.2
R319774	2.22	31	0.12	6.73	5.1	170	0.51	0.11	6.47	0.11	23.8	52.9	49	2.65	672
R319775	1.74	5	0.02	5.96	11.9	120	0.55	0.07	6.63	<0.02	26.4	60.4	602	3.72	87.3
R319776	2.42	22	0.06	6.55	9.8	150	0.68	0.09	5.89	0.02	32.5	67.8	584	7.77	1295
R319777	2.55	12	0.07	6.42	12.0	160	1.14	0.14	4.69	<0.02	32.8	62.3	388	4.21	1145
R319778	1.78	<5	0.02	5.82	18.3	130	0.66	0.10	6.69	<0.02	34.5	62.7	549	4.88	16.9
R319779	0.91	21	0.09	6.31	18.1	250	0.72	0.21	6.16	0.02	29.8	52.2	567	3.52	676
R319780	1.33	6	0.04	6.06	17.3	130	0.72	0.12	6.65	<0.02	47.0	50.2	475	2.93	46.9
R319781	0.04	316	2.06	7.68	32.0	380	0.92	0.76	1.25	4.01	32.6	12.2	27	9.85	2300
R319782	2.38	<5	0.03	5.52	9.0	90	3.43	0.28	6.62	0.03	50.1	59.7	544	2.15	20.4
R319783	2.14	8	1.57	6.98	5.0	10	2.94	0.88	1.11	<0.02	9.93	14.8	14	0.09	7250
R319784	1.08	<5	<0.01	5.80	5.4	10	4.17	0.09	0.36	<0.02	7.48	1.4	44	0.08	273
R319785	2.33	17	0.06	7.70	10.8	100	0.24	0.08	7.51	0.06	9.94	65.4	113	1.91	430
R319786	1.99	14	0.09	7.56	8.2	150	0.26	0.07	7.37	0.08	11.45	57.8	107	2.93	582
R319787	1.28	14	0.07	7.86	7.4	120	0.25	0.05	7.30	0.04	9.15	53.4	107	2.98	447
R319788	1.63	13	0.09	8.12	6.6	130	0.26	0.04	7.29	0.04	9.37	52.5	116	3.10	402
R319789	1.01	41	0.13	6.20	8.5	180	0.47	0.06	7.08	0.03	16.70	63.1	271	4.49	1320
R319790	1.25	<5	0.07	5.82	5.9	110	0.53	0.06	6.57	0.04	29.6	67.2	644	1.99	226
R319791	0.02	11	0.43	5.22	15.9	170	6.65	0.41	1.14	0.05	>500	45.6	28	2.34	411
R319792	1.04	32	0.22	6.32	9.0	130	0.60	0.34	5.73	0.05	22.9	40.1	60	2.55	2330
R319793	2.98	14	0.31	5.84	8.5	170	1.50	0.28	1.41	0.04	64.1	20.9	23	1.55	306
R319794	1.22	7	0.08	7.72	7.1	170	1.00	0.10	5.48	<0.02	50.7	31.0	117	3.62	267
R319795	1.28	192	0.97	6.62	12.5	190	0.80	0.58	5.51	<0.02	27.0	45.7	102	2.79	3980
R319796	1.09	31	0.12	6.90	10.4	220	0.92	0.24	5.56	<0.02	37.7	38.4	105	3.83	783
R319797	2.34	17	0.09	7.05	8.0	230	0.85	0.08	5.16	<0.02	55.1	45.5	105	5.82	487
R319798	1.38	53	0.11	6.19	8.3	120	0.93	0.23	4.54	<0.02	48.7	39.1	85	2.43	1095
R319799	1.89	23	0.05	6.94	10.0	180	1.11	0.17	5.61	<0.02	46.0	40.4	104	3.72	465
R319800	1.99	13	0.06	7.00	9.7	190	1.10	0.17	5.31	<0.02	47.3	39.0	104	3.90	362

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054732

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319766A	1.16	15.75	0.16	3.8	0.010	0.40	36.9	5.4	0.18	133	1.53	4.14	17.9	9.9	160
R319766B	1.16	15.95	0.13	4.0	0.012	0.40	37.3	5.6	0.18	135	0.95	4.09	18.0	10.2	160
R319767	1.22	14.50	0.13	3.8	0.011	0.41	36.1	4.4	0.14	192	1.22	4.13	20.2	11.9	150
R319768	1.39	14.50	0.13	4.0	0.010	0.52	33.1	7.0	0.20	152	1.04	3.96	18.7	10.9	160
R319769	8.90	17.50	0.10	2.7	0.108	0.97	15.0	24.9	4.81	981	1.20	1.97	13.5	225	770
R319770	10.30	19.30	0.09	2.4	0.118	0.49	12.7	15.7	3.54	1240	1.77	1.81	6.8	76.4	740
R319771	9.96	18.75	0.11	2.2	0.143	0.63	10.6	23.4	4.08	951	2.10	2.18	6.6	101.5	730
R319772	10.20	19.20	0.08	2.3	0.133	0.47	12.2	20.8	3.88	1240	1.52	1.80	6.5	72.7	730
R319773	2.16	7.41	0.05	1.5	0.020	0.76	11.2	5.0	0.60	305	0.22	1.26	3.0	17.9	190
R319774	9.88	17.55	0.07	2.4	0.107	0.44	10.9	13.5	3.65	1320	0.95	1.97	6.5	76.2	750
R319775	8.97	17.35	0.08	2.4	0.100	0.78	11.2	24.1	6.25	926	0.51	1.56	8.3	465	660
R319776	9.56	19.40	0.08	2.7	0.109	1.09	14.9	45.9	6.79	1020	0.32	1.56	8.6	490	720
R319777	8.40	21.2	0.09	3.2	0.095	0.85	14.8	82.3	7.27	759	0.32	1.73	9.3	319	870
R319778	9.04	20.1	0.09	2.7	0.088	0.74	17.0	35.8	6.96	860	0.35	1.57	7.6	460	630
R319779	7.61	18.75	0.11	3.1	0.105	1.40	13.0	55.7	6.28	705	4.82	1.65	8.4	427	740
R319780	8.29	19.30	0.10	3.7	0.074	0.75	22.8	17.1	5.46	686	0.63	2.07	10.2	391	870
R319781	5.26	18.05	0.12	0.2	0.195	2.40	16.9	33.2	0.76	1160	19.40	0.73	4.5	18.7	770
R319782	8.38	23.8	0.11	2.6	0.267	0.55	25.0	42.0	6.71	829	0.68	1.21	9.0	429	660
R319783	0.86	23.2	0.08	7.6	0.048	0.11	4.1	6.7	0.32	122	2.08	6.01	110.0	33.7	20
R319784	0.58	19.85	0.06	6.4	0.010	0.06	2.7	1.6	0.03	43	2.36	5.07	113.0	6.4	20
R319785	8.50	16.75	0.08	1.1	0.077	0.37	4.7	16.9	4.70	1280	0.57	1.57	2.5	150.5	320
R319786	8.02	16.20	0.07	1.2	0.079	0.61	5.5	24.3	4.65	1220	0.48	1.40	2.5	143.5	310
R319787	7.93	16.00	0.06	1.1	0.078	0.63	4.2	20.9	4.63	1280	0.88	1.48	2.4	154.5	320
R319788	8.31	16.75	0.08	1.2	0.067	0.77	4.4	26.5	4.91	1150	0.47	1.44	2.4	161.0	330
R319789	7.25	16.70	0.09	1.4	0.086	0.80	7.9	31.9	7.16	1200	1.54	1.00	5.0	395	500
R319790	8.43	15.45	0.08	2.0	0.055	0.32	13.4	26.8	7.81	1490	1.93	1.36	9.6	709	800
R319791	10.40	28.8	0.90	3.5	0.040	2.16	770	25.2	1.11	914	18.40	0.05	52.1	8.5	1220
R319792	8.22	17.45	0.10	2.4	0.131	0.50	8.9	9.0	3.49	894	0.88	2.21	6.4	87.1	750
R319793	1.15	13.35	0.10	3.3	0.018	0.85	36.1	5.3	0.22	136	11.50	3.12	24.4	14.2	40
R319794	11.15	22.1	0.13	3.9	0.047	0.71	22.5	18.8	2.95	535	8.38	2.75	12.5	123.5	1290
R319795	10.85	17.80	0.12	3.9	0.141	0.81	7.7	23.4	3.45	570	97.4	2.54	13.3	140.0	1440
R319796	9.69	17.55	0.12	4.3	0.088	0.95	11.7	16.1	3.45	533	105.5	2.72	14.2	111.5	1550
R319797	10.15	19.10	0.13	4.4	0.076	1.34	24.9	19.3	3.51	756	9.53	2.12	14.4	110.0	1590
R319798	11.70	21.9	0.12	5.4	0.110	0.61	21.2	17.2	3.37	944	10.15	3.18	11.7	97.4	1210
R319799	9.10	17.30	0.13	4.4	0.077	1.01	20.5	18.1	3.59	667	28.0	2.83	14.0	107.0	1550
R319800	9.02	17.25	0.11	4.6	0.074	1.00	21.2	19.3	3.61	664	17.90	2.87	14.1	109.0	1590

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054732

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319766A		2.5	24.2	0.002	0.02	0.30	2.2	1	0.9	150.0	1.99	<0.05	22.4	0.060	0.12	4.4
R319766B		2.5	24.3	<0.002	0.01	0.29	2.2	1	0.9	151.0	2.06	<0.05	21.6	0.060	0.12	4.3
R319767		4.5	18.5	<0.002	0.06	0.46	2.1	1	0.8	153.0	2.34	<0.05	23.3	0.064	0.11	4.3
R319768		2.6	24.4	<0.002	<0.01	0.63	2.2	1	1.0	148.0	2.06	<0.05	22.0	0.070	0.14	3.9
R319769		1.9	62.0	0.003	0.04	1.15	36.6	2	1.7	238	0.86	0.05	1.8	0.876	0.27	1.0
R319770		3.7	26.9	0.003	0.11	0.90	50.9	2	1.5	215	0.39	0.05	1.5	0.767	0.12	0.6
R319771		3.5	33.3	<0.002	0.18	1.51	49.4	3	3.8	218	0.38	0.07	1.5	0.747	0.14	1.1
R319772		2.9	25.4	0.002	0.14	1.27	49.1	2	2.2	181.0	0.37	0.09	1.5	0.750	0.14	0.6
R319773		7.1	27.1	<0.002	<0.01	0.16	7.5	1	0.5	167.0	0.23	<0.05	2.2	0.207	0.14	0.5
R319774		3.1	24.6	0.003	0.13	0.71	49.9	2	1.6	206	0.38	<0.05	1.5	0.758	0.15	0.6
R319775		0.9	58.7	<0.002	0.01	2.61	24.3	1	2.9	236	0.52	<0.05	1.2	0.898	0.26	0.7
R319776		1.4	79.0	<0.002	0.12	1.77	28.8	3	1.9	228	0.54	<0.05	1.3	0.944	0.44	0.5
R319777		1.2	52.2	<0.002	0.06	2.41	34.3	1	2.6	203	0.56	<0.05	1.8	1.015	0.28	1.0
R319778		1.2	56.8	<0.002	<0.01	4.06	24.3	1	1.9	314	0.46	<0.05	1.5	0.880	0.31	0.5
R319779		1.4	84.7	0.005	0.06	3.40	26.5	7	3.0	346	0.52	<0.05	1.7	0.996	0.52	0.5
R319780		1.4	48.3	<0.002	0.01	2.82	24.3	1	2.3	451	0.64	<0.05	2.1	1.095	0.26	0.6
R319781		79.6	98.3	0.190	3.01	2.11	7.7	5	2.0	197.0	0.32	0.61	4.9	0.183	1.61	1.0
R319782		1.3	41.7	<0.002	0.01	1.78	24.2	1	16.7	164.0	0.52	<0.05	1.6	0.833	0.19	1.3
R319783		2.7	1.6	<0.002	0.37	0.54	1.3	6	2.2	50.0	11.30	0.08	34.4	0.044	0.02	4.3
R319784		1.5	1.3	<0.002	0.02	0.74	0.7	1	2.3	37.8	9.88	<0.05	30.0	0.038	<0.02	5.2
R319785		0.6	20.4	0.002	0.06	0.88	38.9	2	1.0	272	0.18	<0.05	0.5	0.438	0.18	0.1
R319786		1.6	36.0	<0.002	0.06	1.03	39.7	2	1.2	298	0.16	0.08	0.5	0.439	0.25	0.2
R319787		0.5	31.6	0.003	0.05	1.03	38.2	2	1.0	266	0.15	0.05	0.4	0.425	0.23	0.1
R319788		<0.5	41.5	0.002	0.04	0.96	41.7	1	0.9	299	0.15	<0.05	0.5	0.451	0.26	0.2
R319789		0.8	53.2	<0.002	0.13	1.12	24.9	3	1.7	340	0.31	0.08	0.5	0.574	0.36	0.2
R319790		0.8	18.8	<0.002	0.02	0.80	17.9	1	1.2	657	0.61	<0.05	1.0	0.934	0.16	0.2
R319791		20.9	184.5	0.093	0.09	1.06	8.6	10	8.0	21.6	2.08	0.12	34.8	0.328	0.69	377
R319792		4.7	32.1	<0.002	0.23	1.09	46.6	6	7.5	294	0.40	0.05	1.7	0.753	0.23	0.9
R319793		6.2	65.7	0.003	0.44	0.61	1.2	2	0.9	136.0	2.71	0.05	23.7	0.062	0.25	3.5
R319794		0.7	63.1	0.007	0.03	1.12	30.6	2	3.7	319	0.72	<0.05	1.7	1.095	0.30	2.0
R319795		1.0	55.8	0.017	0.56	1.34	32.0	4	6.4	252	0.77	0.26	1.6	1.015	0.30	2.3
R319796		0.5	85.7	0.025	0.22	1.54	33.8	2	6.5	288	0.85	0.09	1.7	1.105	0.38	2.7
R319797		0.6	106.5	0.004	0.07	1.25	35.3	2	2.5	308	0.88	<0.05	1.7	1.210	0.51	0.9
R319798		1.5	49.8	0.003	0.12	1.60	34.7	3	4.0	246	0.77	0.06	2.4	1.700	0.26	1.6
R319799		2.0	73.0	0.007	0.06	1.94	35.4	2	4.0	281	0.85	0.05	1.5	1.125	0.38	1.7
R319800		2.0	74.6	0.007	0.05	1.92	35.0	2	3.7	286	0.89	<0.05	1.5	1.135	0.36	1.6

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
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CERTIFICATE OF ANALYSIS SD 15054732

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319766A	18	5.4	12.3	12	118.5	2.05	1.29	0.26	2.23	0.42	0.25	21.5	6.54	3.23	0.35
R319766B	18	5.4	12.6	11	121.5	1.97	1.28	0.28	2.18	0.41	0.24	21.8	6.63	3.24	0.33
R319767	15	3.7	12.2	10	115.0	1.96	1.26	0.26	2.16	0.40	0.25	21.5	6.57	3.15	0.33
R319768	18	4.0	12.0	10	122.5	2.02	1.33	0.30	2.15	0.42	0.25	20.5	6.15	3.14	0.34
R319769	291	1.1	26.2	52	102.5	4.26	2.60	1.33	4.19	0.89	0.35	18.0	4.10	4.09	0.68
R319770	351	0.5	33.7	66	86.7	5.03	3.40	1.24	4.28	1.13	0.53	14.6	3.27	3.64	0.75
R319771	350	1.1	32.7	47	81.7	5.08	3.36	1.32	4.57	1.17	0.53	15.1	3.25	3.83	0.77
R319772	344	0.7	32.3	61	90.8	5.03	3.48	1.23	4.20	1.13	0.54	14.1	3.14	3.48	0.74
R319773	62	0.1	7.3	25	50.4	1.28	0.77	0.48	1.48	0.25	0.12	10.7	2.70	1.92	0.23
R319774	348	0.6	32.5	77	85.5	5.16	3.52	1.24	4.31	1.15	0.54	14.2	3.06	3.51	0.76
R319775	266	1.4	17.6	45	92.2	3.24	1.74	1.39	3.62	0.63	0.22	16.4	3.57	3.81	0.55
R319776	297	1.1	19.6	60	95.4	3.54	1.97	1.41	3.88	0.71	0.24	19.2	4.19	4.29	0.61
R319777	338	3.0	25.5	51	125.5	4.39	2.58	1.20	4.34	0.90	0.33	17.8	4.04	4.24	0.72
R319778	290	1.5	17.7	48	100.0	3.44	1.79	1.54	3.94	0.65	0.19	19.1	4.30	4.20	0.61
R319779	310	4.3	18.9	40	112.0	3.52	1.76	1.30	3.96	0.68	0.21	18.2	3.94	4.24	0.60
R319780	311	2.2	22.6	40	132.0	4.23	2.11	1.91	5.01	0.81	0.24	26.2	5.88	5.66	0.76
R319781	73	6.9	8.9	728	5.1	1.82	0.87	0.90	2.40	0.32	0.11	15.9	3.80	3.11	0.33
R319782	243	2.1	25.1	45	101.0	4.34	2.20	1.34	4.85	0.80	0.26	24.8	6.00	5.54	0.75
R319783	19	2.3	31.4	14	163.5	4.26	3.06	0.16	3.11	0.94	0.55	6.1	1.36	2.21	0.61
R319784	4	1.3	32.4	2	139.0	5.36	3.76	0.14	3.51	1.18	0.64	5.2	1.08	2.31	0.76
R319785	234	0.2	18.7	55	38.6	2.92	2.02	0.71	2.28	0.65	0.30	6.5	1.38	1.77	0.42
R319786	230	0.3	18.4	47	39.4	2.90	2.01	0.74	2.40	0.65	0.31	7.0	1.53	1.85	0.43
R319787	229	0.3	17.8	43	37.0	2.72	1.95	0.71	2.22	0.63	0.30	6.0	1.26	1.76	0.41
R319788	241	0.4	19.1	37	39.1	2.99	2.02	0.74	2.38	0.66	0.31	6.4	1.34	1.80	0.44
R319789	210	0.6	15.3	47	47.6	2.63	1.56	0.87	2.50	0.54	0.22	9.9	2.14	2.42	0.42
R319790	218	0.5	13.9	64	65.2	2.74	1.40	1.32	3.27	0.52	0.16	17.6	3.89	3.76	0.49
R319791	75	17.1	133.5	21	132.0	24.1	13.50	7.41	30.2	4.70	1.72	441	139.5	49.2	4.34
R319792	321	3.6	28.3	57	86.4	4.35	2.98	1.35	3.82	1.02	0.48	13.9	3.04	3.33	0.65
R319793	15	0.4	11.5	11	96.0	1.86	1.21	0.26	1.91	0.39	0.23	19.2	6.06	2.68	0.30
R319794	337	1.5	32.1	41	166.0	5.59	3.26	1.79	5.98	1.15	0.43	28.8	6.52	6.35	0.94
R319795	316	2.5	36.7	42	159.0	6.80	3.86	2.19	6.84	1.37	0.45	23.5	4.59	6.45	1.13
R319796	328	2.3	35.4	34	172.5	6.36	3.61	2.23	6.65	1.28	0.47	29.0	5.89	6.84	1.05
R319797	364	1.0	33.8	48	178.5	5.88	3.33	2.05	6.26	1.19	0.45	31.6	7.10	6.56	0.98
R319798	470	1.6	34.0	51	203	6.58	3.32	2.24	7.38	1.25	0.40	30.5	6.54	7.42	1.13
R319799	340	1.1	32.7	42	178.5	5.77	3.30	1.99	6.00	1.17	0.46	26.6	5.86	6.37	0.95
R319800	342	1.1	32.5	44	174.0	5.60	3.23	1.92	5.83	1.16	0.46	27.1	5.99	6.33	0.93

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 25-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054732

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319766A		0.21	1.55
R319766B		0.21	1.56
R319767		0.22	1.51
R319768		0.21	1.55
R319769		0.37	2.48
R319770		0.52	3.45
R319771		0.53	3.47
R319772		0.50	3.51
R319773		0.11	0.80
R319774		0.53	3.42
R319775		0.24	1.45
R319776		0.27	1.71
R319777		0.37	2.30
R319778		0.22	1.39
R319779		0.24	1.45
R319780		0.29	1.73
R319781		0.13	0.77
R319782		0.30	1.82
R319783		0.50	3.41
R319784		0.61	4.13
R319785		0.29	1.92
R319786		0.30	1.97
R319787		0.29	1.94
R319788		0.30	2.05
R319789		0.23	1.49
R319790		0.18	1.10
R319791		1.95	12.20
R319792		0.44	3.02
R319793		0.19	1.36
R319794		0.45	2.85
R319795		0.51	3.25
R319796		0.51	3.17
R319797		0.48	3.03
R319798		0.46	2.85
R319799		0.49	3.20
R319800		0.47	3.22

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE OF ANALYSIS SD 15054732

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	SPL-21	SPL-34	
WEI-21				

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
Au-AA23	ME-MS61r	

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Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE SD15054733

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 15-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

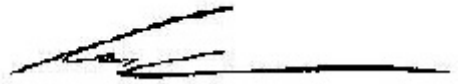
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS SD 15054733

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319801A	1.95	<5	0.02	6.53	7.2	100	0.54	0.07	5.24	<0.02	36.6	67.1	648	10.80	13.0
R319801B	<0.02	<5	0.02	6.43	6.7	90	0.51	0.07	5.17	<0.02	35.2	65.4	633	10.40	12.8
R319802	2.56	49	0.27	6.24	5.1	90	0.57	0.38	5.12	0.02	29.9	62.1	556	6.63	1990
R319803	1.97	7	0.07	6.52	6.0	90	0.61	0.14	5.13	0.03	19.40	43.2	286	1.99	317
R319804	2.09	6	0.03	7.23	8.0	100	0.59	0.09	5.56	0.03	22.3	41.7	275	2.01	196.0
R319805	2.19	8	0.06	7.21	7.2	90	0.56	0.12	5.39	0.02	25.8	39.6	273	1.77	264
R319806	2.12	9	0.05	7.57	8.4	120	0.71	0.19	5.06	<0.02	30.5	45.8	268	2.30	250
R319807	2.15	44	0.13	6.92	7.7	130	0.63	0.15	5.54	<0.02	32.7	51.2	367	3.91	447
R319808	0.19	<5	0.04	3.29	1.5	260	0.55	0.04	1.41	0.06	20.3	6.3	51	0.60	13.4
R319809	2.05	<5	0.04	6.74	6.4	110	0.54	0.09	6.20	<0.02	29.2	60.6	421	7.45	88.5
R319810	2.09	5	0.04	6.75	8.4	130	0.53	0.09	5.90	<0.02	22.2	51.8	386	3.75	100.5
R319811	1.65	6	0.03	7.35	8.8	210	0.72	0.13	6.00	<0.02	29.8	50.2	347	6.74	128.5
R319812	0.61	150	0.38	7.13	14.0	130	0.79	0.73	6.24	0.05	43.3	64.1	287	2.37	2160
R319813	1.74	6	0.07	7.24	9.2	160	0.64	0.34	5.64	0.02	25.0	47.2	287	6.34	196.0
R319814	2.35	160	0.94	6.87	13.5	170	1.03	0.68	7.18	0.03	21.0	64.3	199	2.06	2220
R319815	2.06	18	0.10	7.73	7.4	810	1.45	1.26	4.24	<0.02	86.7	43.5	94	5.64	319
R319816	0.04	327	1.86	7.72	29.5	380	0.98	0.83	1.26	3.68	31.4	12.8	24	10.25	2280
R319817	2.27	11	0.03	7.63	6.2	590	1.43	1.48	4.55	<0.02	88.3	35.4	94	3.58	211
R319818	2.08	33	0.03	7.88	3.7	760	1.57	0.56	4.56	0.02	90.6	33.2	102	4.28	188.5
R319819	2.08	8	0.06	7.65	3.7	620	1.49	0.39	5.76	<0.02	86.6	34.6	82	4.96	146.0
R319820	2.25	17	0.14	7.86	7.9	730	1.44	1.32	5.33	<0.02	93.8	48.8	91	5.78	295
R319821	2.22	21	0.10	7.33	8.0	300	0.98	0.38	6.11	<0.02	48.2	44.6	197	4.00	225
R319822	2.17	44	0.35	7.27	9.9	120	0.75	0.31	5.67	0.05	41.3	52.1	197	3.97	1115
R319823	2.62	28	0.46	7.25	7.2	110	1.21	0.28	5.18	<0.02	42.6	42.3	197	2.09	619
R319824	0.94	186	1.95	6.07	11.7	1240	1.55	0.26	0.82	0.29	63.3	14.2	10	1.72	301
R319825	1.69	17	0.06	7.81	7.7	70	0.62	0.13	5.85	<0.02	17.40	45.7	133	3.22	777
R319826	0.02	7	0.39	5.33	15.7	180	6.72	0.46	1.16	0.03	>500	47.9	28	2.43	413
R319827	1.84	71	0.06	7.46	13.5	100	0.87	0.14	7.03	0.03	41.8	49.2	95	2.94	1030
R319828	0.85	9	0.05	7.68	6.5	50	0.64	0.09	6.24	0.02	14.80	44.5	129	2.54	249
R319829	0.96	<5	0.01	7.62	7.3	70	0.45	0.07	6.53	<0.02	16.40	43.3	123	2.50	133.0
R319830	0.92	81	0.14	7.33	9.0	50	0.50	0.18	7.21	0.10	12.65	63.7	114	1.37	1600
R319831	1.33	37	0.04	7.45	7.5	50	0.60	0.15	6.08	0.15	15.55	47.5	124	1.99	327
R319832	2.27	6	0.03	7.56	28.6	170	1.29	0.18	7.87	0.02	111.5	35.9	41	3.39	97.1
R319833	1.32	<5	0.01	7.64	8.0	60	0.49	0.10	5.90	<0.02	19.75	42.3	122	3.67	164.0
R319834	0.46	<5	0.01	7.32	6.7	60	0.41	0.08	5.57	0.02	13.70	39.3	115	2.93	73.2
R319835	0.63	<5	0.02	7.30	6.3	80	0.43	0.08	5.20	0.02	22.5	41.9	117	5.37	98.5

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Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054733

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319801A	8.74	21.7	0.11	2.7	0.051	1.91	21.5	34.6	6.32	883	0.88	1.59	5.0	316	530
R319801B	8.63	20.6	0.12	3.1	0.052	1.88	20.5	34.4	6.23	864	0.83	1.57	4.8	312	520
R319802	8.36	18.50	0.09	2.5	0.084	1.32	16.5	28.7	5.55	899	3.61	2.08	4.4	254	510
R319803	7.58	16.65	0.07	2.6	0.061	0.91	8.3	21.6	4.21	827	5.79	2.90	4.7	137.5	490
R319804	8.51	20.4	0.11	2.9	0.054	1.51	10.0	30.4	4.43	1010	1.23	2.59	5.2	133.0	570
R319805	8.43	19.75	0.10	2.8	0.061	1.08	12.0	27.6	4.31	978	2.15	2.92	5.0	131.0	530
R319806	8.82	21.7	0.10	3.0	0.064	1.18	14.5	33.2	4.54	959	1.50	2.98	5.4	143.5	580
R319807	8.57	18.80	0.13	2.7	0.071	1.17	18.6	29.1	5.09	985	0.69	2.59	4.9	187.5	540
R319808	2.22	7.49	0.07	1.6	0.022	0.79	10.3	5.6	0.60	309	0.27	1.29	2.9	16.7	180
R319809	7.83	20.5	0.13	2.4	0.061	1.40	15.2	33.0	5.88	983	0.49	1.64	4.4	252	470
R319810	8.00	18.10	0.10	2.6	0.057	0.99	9.9	25.2	5.77	1150	0.39	2.20	4.6	225	500
R319811	10.05	20.6	0.12	2.7	0.080	1.30	14.5	24.1	4.60	947	0.32	2.11	5.1	184.5	540
R319812	9.97	20.7	0.14	2.7	0.137	1.24	23.8	28.2	4.10	1040	1.01	2.43	5.1	143.0	540
R319813	8.91	19.50	0.10	2.7	0.074	1.17	11.5	22.0	4.34	914	11.85	2.41	4.9	128.0	510
R319814	9.13	18.45	0.10	2.6	0.163	1.06	9.2	26.3	4.10	1030	96.8	2.56	4.8	120.5	550
R319815	8.14	18.95	0.18	6.7	0.083	2.17	44.2	50.0	3.11	1140	1.89	1.59	44.1	94.1	2200
R319816	5.28	18.30	0.14	0.4	0.174	2.39	15.9	34.5	0.75	1160	22.2	0.73	4.6	17.5	760
R319817	7.59	18.50	0.19	6.5	0.075	1.96	46.1	49.3	2.92	1340	1.78	1.64	42.4	90.4	2090
R319818	7.57	19.00	0.17	6.9	0.064	2.00	47.3	52.3	2.94	1320	1.99	1.66	42.6	92.4	2060
R319819	6.94	18.25	0.19	6.5	0.057	1.51	44.3	45.0	2.82	1180	1.80	1.55	42.5	85.7	2090
R319820	8.28	19.90	0.17	6.9	0.067	1.73	47.8	51.1	3.15	1300	1.79	1.46	46.3	98.1	2440
R319821	8.57	20.0	0.14	3.8	0.070	1.13	24.9	30.1	3.94	1090	2.06	2.45	17.1	100.5	1170
R319822	9.37	20.7	0.10	2.8	0.106	0.78	22.7	21.9	4.00	970	7.47	3.05	5.7	106.5	600
R319823	8.90	21.1	0.10	2.6	0.086	0.73	24.3	40.6	4.47	990	10.25	3.29	5.8	92.7	550
R319824	1.17	13.50	0.17	3.9	0.014	5.06	34.3	4.9	0.07	90	12.20	1.41	36.0	5.5	20
R319825	8.69	19.35	0.12	1.9	0.099	0.39	7.3	10.1	2.91	741	0.89	3.44	3.6	72.5	460
R319826	10.70	30.1	1.00	3.5	0.038	2.19	770	25.4	1.11	919	19.30	0.06	51.5	7.6	1220
R319827	10.15	20.8	0.13	4.3	0.133	0.32	19.1	10.4	3.03	774	15.85	2.72	24.5	80.3	1710
R319828	10.05	19.25	0.09	2.5	0.081	0.24	6.1	5.4	2.96	763	5.24	3.40	5.2	74.7	600
R319829	9.06	20.8	0.07	2.3	0.076	0.30	7.5	19.1	2.86	838	2.41	3.22	3.4	71.0	490
R319830	9.80	21.5	0.08	2.2	0.137	0.21	5.6	18.7	3.00	925	5.75	3.22	3.2	88.0	440
R319831	9.68	19.30	0.10	2.4	0.086	0.22	6.3	9.5	2.95	788	3.49	3.47	5.7	76.0	600
R319832	9.49	21.2	0.18	7.8	0.105	0.44	51.1	12.0	3.07	814	3.80	2.28	64.1	96.8	3800
R319833	8.97	19.55	0.11	1.7	0.103	0.39	8.0	12.6	3.10	842	1.65	3.24	5.8	80.0	600
R319834	7.62	17.75	0.09	1.3	0.089	0.41	5.7	18.7	3.04	801	3.67	3.35	3.1	69.6	470
R319835	8.01	17.90	0.09	1.4	0.088	0.68	11.3	18.0	3.17	820	1.34	3.18	3.3	78.1	460

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CERTIFICATE OF ANALYSIS SD 15054733

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319801A		1.9	215	<0.002	<0.01	2.02	28.9	1	2.4	186.5	0.32	<0.05	1.3	0.804	0.85	0.6
R319801B		1.9	212	<0.002	<0.01	1.93	28.1	1	2.4	183.5	0.32	<0.05	1.2	0.791	0.89	0.5
R319802		2.1	137.0	<0.002	0.32	1.44	25.6	2	3.0	123.0	0.28	0.09	1.1	0.718	0.62	0.7
R319803		2.0	86.9	<0.002	0.06	1.65	27.6	1	2.4	148.5	0.31	0.05	1.2	0.742	0.40	0.7
R319804		2.7	142.5	<0.002	0.02	2.03	30.0	1	2.3	177.0	0.33	<0.05	1.3	0.845	0.63	0.6
R319805		2.5	106.5	<0.002	0.03	1.60	29.8	1	2.5	160.0	0.32	<0.05	1.3	0.822	0.45	0.6
R319806		2.4	118.5	<0.002	0.10	1.61	31.4	1	3.3	150.0	0.34	0.05	1.3	0.880	0.53	1.0
R319807		2.4	114.5	<0.002	0.09	1.86	30.4	2	2.5	175.5	0.30	<0.05	1.2	0.790	0.51	0.7
R319808		6.9	26.4	<0.002	<0.01	0.15	7.5	1	0.5	169.5	0.23	<0.05	2.2	0.203	0.15	0.5
R319809		2.2	147.5	<0.002	0.01	1.97	28.7	1	2.1	212	0.28	<0.05	1.1	0.715	0.63	0.5
R319810		2.0	91.9	<0.002	0.01	1.57	29.0	1	0.9	266	0.31	<0.05	1.1	0.738	0.44	0.2
R319811		2.5	124.5	<0.002	0.01	2.12	31.1	1	2.7	301	0.33	<0.05	1.0	0.838	0.64	0.6
R319812		2.9	110.5	<0.002	0.67	1.29	29.9	3	4.0	173.5	0.31	0.10	0.9	0.825	0.50	1.1
R319813		2.4	120.5	<0.002	0.08	1.76	30.6	1	3.1	292	0.31	<0.05	0.9	0.816	0.58	1.0
R319814		3.8	92.9	0.004	0.32	1.36	27.6	3	3.6	165.5	0.31	<0.05	0.8	0.769	0.46	1.6
R319815		4.7	145.0	0.002	0.15	1.01	24.2	2	1.4	278	3.02	<0.05	9.7	1.270	0.87	2.0
R319816		78.1	96.3	0.207	2.99	2.03	8.1	4	2.1	198.0	0.34	0.73	4.5	0.182	1.65	0.9
R319817		5.5	120.0	0.002	0.14	1.01	22.5	2	1.5	243	2.87	<0.05	10.3	1.220	0.67	2.2
R319818		5.8	120.0	0.003	0.11	0.86	22.3	1	1.3	310	3.02	<0.05	11.6	1.190	0.68	2.3
R319819		5.5	91.0	0.002	0.07	0.91	22.5	2	1.1	321	3.01	<0.05	9.9	1.205	0.52	2.0
R319820		7.4	99.8	0.003	0.19	1.06	24.8	2	1.5	311	3.17	0.09	9.5	1.320	0.58	1.9
R319821		5.1	85.8	<0.002	0.09	1.47	29.5	1	2.8	258	1.10	<0.05	2.6	0.986	0.44	1.1
R319822		2.9	64.1	<0.002	0.27	1.52	32.6	3	3.6	262	0.36	0.07	1.6	0.900	0.34	1.0
R319823		2.7	45.2	<0.002	0.07	1.41	31.2	2	4.2	142.5	0.32	<0.05	1.2	0.830	0.22	1.5
R319824		60.8	128.0	<0.002	0.49	0.69	1.5	2	0.8	80.4	3.99	<0.05	25.8	0.050	0.82	4.7
R319825		1.7	35.5	<0.002	0.09	1.21	47.1	2	2.9	171.5	0.23	<0.05	0.4	0.788	0.14	0.4
R319826		21.4	183.0	0.091	0.10	1.03	9.0	11	8.3	20.4	2.15	0.10	34.5	0.328	0.74	376
R319827		2.1	30.0	0.003	0.12	1.52	40.3	3	3.6	223	1.60	0.06	1.5	1.285	0.12	1.1
R319828		1.8	17.5	0.002	0.03	0.83	49.6	2	3.3	171.0	0.33	<0.05	0.5	0.797	0.06	0.8
R319829		2.1	24.1	0.002	0.01	1.31	45.9	1	3.2	136.0	0.22	<0.05	0.3	0.758	0.10	0.5
R319830		9.1	15.5	0.002	0.22	0.93	45.6	2	4.1	148.0	0.21	0.05	0.3	0.714	0.07	0.6
R319831		3.8	16.1	0.003	0.10	1.01	46.2	1	5.2	179.5	0.37	<0.05	0.5	0.810	0.07	0.7
R319832		4.5	39.5	0.005	0.01	2.36	28.7	2	3.2	372	3.94	<0.05	3.6	2.17	0.12	0.9
R319833		1.8	38.4	0.002	0.02	1.12	44.6	1	2.9	201	0.37	0.06	0.4	0.807	0.13	0.5
R319834		1.5	40.1	0.004	0.01	1.02	41.1	1	2.4	176.0	0.20	<0.05	0.3	0.700	0.14	0.4
R319835		1.8	78.0	<0.002	0.01	1.01	45.1	1	2.5	212	0.21	<0.05	0.3	0.724	0.27	0.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054733

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319801A	275	0.6	16.7	63	93.6	3.25	1.70	1.20	3.58	0.63	0.20	17.2	4.05	3.96	0.55
R319801B	269	0.6	16.2	62	92.1	3.06	1.64	1.17	3.48	0.61	0.20	16.6	3.89	3.83	0.53
R319802	246	0.5	13.5	73	85.8	2.56	1.42	0.81	2.66	0.50	0.19	13.8	3.31	2.93	0.42
R319803	258	0.6	18.1	64	89.2	3.23	1.72	0.98	3.27	0.65	0.24	11.9	2.49	3.20	0.53
R319804	284	0.7	19.8	80	109.0	3.76	2.05	1.21	3.96	0.75	0.25	14.1	2.90	3.79	0.62
R319805	283	0.7	19.1	81	98.8	3.59	1.92	1.22	3.78	0.71	0.24	14.8	3.21	3.71	0.59
R319806	300	1.0	20.7	84	103.0	3.77	2.09	1.27	3.95	0.75	0.26	16.9	3.72	4.23	0.63
R319807	287	0.9	19.1	75	96.0	3.41	1.85	1.14	3.56	0.68	0.25	15.5	3.63	3.69	0.58
R319808	62	0.1	7.2	29	55.4	1.33	0.80	0.49	1.52	0.28	0.12	9.9	2.52	1.95	0.23
R319809	266	0.8	17.4	72	85.4	3.17	1.76	1.10	3.38	0.61	0.21	14.9	3.41	3.66	0.51
R319810	270	0.6	18.3	53	93.7	3.36	1.82	1.12	3.51	0.66	0.24	13.2	2.88	3.54	0.55
R319811	303	0.8	20.6	76	92.7	3.92	2.05	1.63	4.36	0.75	0.25	17.3	3.72	4.53	0.66
R319812	286	0.7	21.4	90	101.0	3.91	2.08	1.60	4.42	0.77	0.27	21.4	4.97	5.07	0.67
R319813	281	0.9	19.5	74	95.2	3.59	1.95	1.13	3.67	0.71	0.25	14.3	3.11	3.69	0.57
R319814	276	1.9	19.6	79	90.2	3.67	1.99	1.07	3.42	0.73	0.27	11.8	2.65	3.14	0.58
R319815	240	3.1	20.4	116	280	3.81	2.04	1.77	4.84	0.73	0.28	36.2	9.33	6.40	0.69
R319816	72	7.5	9.2	731	14.0	1.81	0.93	0.97	2.43	0.34	0.12	15.3	3.66	3.26	0.33
R319817	228	4.6	20.0	139	279	3.58	1.89	1.69	4.58	0.70	0.27	35.9	9.39	6.33	0.63
R319818	224	4.0	20.1	138	292	3.71	1.91	1.71	4.66	0.72	0.27	36.4	9.56	6.27	0.68
R319819	219	2.9	20.1	101	273	3.71	1.89	1.82	4.70	0.71	0.26	35.4	9.24	6.30	0.65
R319820	243	4.5	22.3	121	296	4.17	2.19	1.92	5.23	0.78	0.30	39.1	10.25	6.85	0.76
R319821	279	1.8	22.0	100	151.5	4.04	2.15	1.53	4.48	0.78	0.28	22.9	5.49	5.02	0.68
R319822	304	1.3	22.5	90	102.5	4.09	2.25	1.42	4.38	0.81	0.28	18.8	4.42	4.54	0.68
R319823	290	1.2	22.6	103	96.7	3.91	2.15	1.26	4.19	0.81	0.27	18.5	4.54	4.34	0.67
R319824	9	0.7	16.2	13	97.9	2.59	1.62	0.29	2.53	0.52	0.28	20.0	6.10	3.51	0.41
R319825	328	4.7	30.7	37	66.4	4.99	3.25	1.33	4.31	1.09	0.45	11.9	2.34	3.56	0.74
R319826	75	18.2	136.0	21	122.0	25.3	13.95	7.97	31.6	4.94	1.82	411	129.5	50.1	4.52
R319827	357	5.8	35.3	40	176.0	6.17	3.68	1.95	6.33	1.28	0.51	24.2	5.28	6.24	0.99
R319828	342	1.7	29.9	41	85.7	5.03	3.19	1.27	4.45	1.09	0.47	11.1	2.10	3.55	0.76
R319829	329	1.4	28.7	55	81.6	4.59	2.98	1.14	4.11	1.01	0.45	11.1	2.24	3.42	0.69
R319830	312	1.2	27.8	58	75.7	4.59	2.90	1.01	3.93	1.00	0.45	9.6	1.87	3.11	0.69
R319831	340	2.7	29.8	43	88.5	4.85	3.01	1.26	4.34	1.06	0.45	11.6	2.24	3.68	0.74
R319832	394	13.9	40.6	51	345	7.88	4.06	2.99	9.38	1.49	0.51	65.1	14.50	11.90	1.36
R319833	340	2.5	29.2	46	67.0	5.17	3.20	1.13	4.57	1.09	0.42	13.4	2.58	4.01	0.78
R319834	316	2.4	26.1	41	47.9	4.48	2.84	0.94	3.87	0.96	0.37	9.6	1.84	3.10	0.67
R319835	325	2.2	27.1	42	51.0	4.87	3.11	0.95	3.99	1.04	0.40	12.1	2.58	3.30	0.70

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054733

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319801A		0.24	1.53
R319801B		0.22	1.42
R319802		0.20	1.34
R319803		0.24	1.64
R319804		0.29	1.82
R319805		0.27	1.83
R319806		0.30	1.93
R319807		0.27	1.70
R319808		0.12	0.89
R319809		0.24	1.64
R319810		0.25	1.62
R319811		0.28	1.79
R319812		0.30	1.89
R319813		0.27	1.76
R319814		0.29	1.89
R319815		0.29	1.90
R319816		0.14	0.92
R319817		0.28	1.82
R319818		0.29	1.86
R319819		0.29	1.84
R319820		0.31	2.00
R319821		0.31	2.01
R319822		0.32	2.00
R319823		0.32	1.99
R319824		0.27	1.91
R319825		0.49	3.14
R319826		2.09	13.55
R319827		0.54	3.57
R319828		0.48	3.32
R319829		0.45	3.06
R319830		0.46	3.11
R319831		0.47	3.14
R319832		0.56	3.46
R319833		0.46	2.87
R319834		0.41	2.55
R319835		0.44	2.71

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CERTIFICATE OF ANALYSIS SD 15054733

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 29-APR-2015
Account: SUPCOP

CERTIFICATE SD15055483

This report is for 36 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 15-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

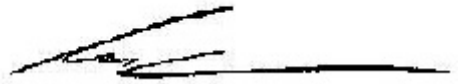
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 29-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15055483

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319836A	0.99	7	0.03	7.63	9.6	80	0.56	0.10	6.34	<0.02	33.8	43.9	120	3.24	463
R319836B	<0.02	<5	0.03	7.70	10.0	80	0.60	0.10	6.39	0.03	34.7	44.6	120	3.34	472
R319837	1.08	26	0.14	7.19	16.9	130	1.00	0.18	7.88	<0.02	43.8	44.5	76	1.70	383
R319838	1.10	16	0.19	6.38	7.0	100	0.39	0.13	7.18	<0.02	4.77	58.7	101	2.74	630
R319839	0.94	6	0.03	7.19	6.2	40	0.44	0.09	6.10	<0.02	4.18	43.9	112	1.96	144.0
R319840	0.98	44	0.05	6.83	8.8	70	0.48	0.12	7.05	<0.02	8.05	47.7	109	2.20	539
R319841	0.88	5	0.02	7.21	8.7	30	0.51	0.11	6.12	<0.02	6.06	40.9	121	1.62	101.5
R319842	0.95	15	0.04	7.12	9.6	70	0.53	0.12	6.67	0.03	20.9	47.9	121	2.72	366
R319843	0.21	<5	0.03	3.23	1.9	250	0.50	0.05	1.34	0.06	20.1	5.6	51	0.56	14.9
R319844	0.96	<5	0.06	7.59	8.3	60	0.63	0.09	6.36	<0.02	8.80	38.7	130	1.67	31.6
R319845	0.95	147	0.12	6.31	18.3	50	0.53	0.26	9.46	0.09	9.85	61.8	102	1.35	1655
R319846	1.17	8	0.05	7.34	6.9	50	0.51	0.13	6.52	<0.02	9.96	40.4	120	2.41	335
R319847	2.16	9	0.04	7.37	9.4	40	0.43	0.10	6.65	0.02	11.15	43.5	126	2.15	160.0
R319848	1.94	8	0.04	7.24	7.5	70	0.46	0.13	6.41	0.02	12.30	41.0	115	2.84	129.5
R319850	2.64	8	0.11	7.02	19.7	570	1.55	0.34	5.02	0.32	122.5	43.2	46	2.69	224
R319851	1.23	80	0.14	6.63	12.5	170	0.31	0.23	3.32	0.02	12.85	67.0	112	4.40	1685
R319852	0.04	300	1.78	7.44	28.4	360	0.84	0.76	1.17	3.35	30.0	11.2	27	8.56	2050
R319853	0.97	<5	0.03	7.42	9.1	70	0.34	0.16	6.98	0.02	8.00	50.4	112	2.01	138.5
R319854	0.91	10	0.05	7.48	16.1	80	0.39	0.20	6.18	0.02	9.26	47.4	122	1.89	243
R319855	1.00	6	0.04	6.97	22.4	80	0.33	0.20	6.11	0.02	7.57	52.5	109	2.62	250
R319856	1.02	31	0.30	6.51	21.3	50	0.26	0.46	6.82	0.09	7.81	50.4	96	1.30	1810
R319857	0.88	7	0.03	6.94	10.8	40	0.36	0.14	6.74	0.04	7.23	44.4	109	2.16	201
R319858	0.86	83	0.21	6.96	22.7	50	0.34	0.27	6.89	0.06	7.19	55.8	109	1.48	1400
R319859	0.77	16	0.16	7.35	9.8	60	0.35	0.19	7.34	0.03	11.15	47.9	115	1.68	659
R319860	0.94	<5	0.02	7.18	8.7	60	0.40	0.19	7.39	0.02	7.77	46.4	111	3.24	54.8
R319861	0.71	30	0.13	6.89	15.7	70	0.57	1.17	6.76	0.03	8.36	45.1	107	1.96	355
R319862	<0.02	12	0.45	5.31	15.3	170	6.91	0.45	1.13	0.05	>500	45.7	27	2.35	411
R319863	1.23	25	0.21	6.40	19.6	70	0.89	1.33	5.61	<0.02	8.38	46.1	94	2.38	187.5
R319864	0.59	31	0.06	5.90	9.3	80	0.27	0.16	6.46	0.02	15.40	47.8	99	1.66	532
R319865	0.81	34	0.12	7.39	10.4	90	0.42	0.26	6.69	0.02	17.00	48.2	118	1.73	776
R319866	1.14	150	0.16	6.75	14.6	60	0.30	0.18	6.16	0.09	12.90	49.1	114	1.93	1620
R319867	1.04	8	0.04	7.08	7.9	70	0.31	0.12	6.64	0.02	9.12	45.8	107	2.47	303
R319868	0.74	6	0.03	7.04	7.2	60	0.47	0.17	7.65	0.02	6.30	45.4	109	2.43	89.8
R319869	0.85	<5	0.03	7.37	11.2	70	0.39	0.13	6.83	0.03	9.04	50.6	121	3.51	114.5
R319870	0.96	<5	0.03	7.31	8.9	60	0.35	0.15	5.97	0.04	9.98	44.5	115	3.03	38.9
R319871	0.78	<5	0.03	7.27	9.9	70	0.36	0.16	6.15	0.02	12.80	49.4	116	3.09	51.6

***** See Appendix Page for comments regarding this certificate *****

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 29-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15055483

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319836A	9.47	18.55	0.09	2.7	0.107	0.40	16.0	12.3	3.24	850	1.30	3.05	12.9	84.5	1000
R319836B	9.54	19.10	0.08	2.5	0.114	0.40	16.5	12.5	3.28	864	1.30	3.08	13.5	85.5	1020
R319837	9.40	19.05	0.09	4.9	0.157	0.44	18.3	21.7	3.36	967	1.10	2.52	34.4	84.7	2170
R319838	8.94	17.05	0.12	1.8	0.221	0.55	1.4	21.8	4.07	1150	1.00	1.95	2.9	102.5	430
R319839	7.62	16.30	0.09	1.7	0.107	0.33	1.1	10.2	3.46	978	0.52	3.07	2.9	76.2	430
R319840	8.05	17.75	0.11	1.6	0.196	0.39	2.8	12.3	3.43	952	0.74	2.40	2.7	89.2	700
R319841	8.08	16.65	0.12	1.7	0.093	0.23	1.7	5.6	3.28	901	0.75	3.15	3.0	64.7	410
R319842	8.87	19.30	0.12	1.8	0.134	0.46	9.9	16.8	3.55	1020	0.83	2.42	3.0	84.9	480
R319843	2.04	7.00	0.12	1.5	0.016	0.78	10.7	5.0	0.57	294	0.29	1.23	2.7	16.4	170
R319844	6.86	17.25	0.12	2.0	0.104	0.39	3.1	12.2	3.19	848	2.08	3.18	3.3	67.4	450
R319845	7.86	20.2	0.12	1.6	0.279	0.35	3.6	15.0	3.75	1100	0.82	1.68	2.4	93.0	660
R319846	8.24	17.60	0.11	1.6	0.144	0.31	3.1	9.3	3.21	961	2.28	2.75	3.1	67.5	460
R319847	8.94	17.70	0.12	1.7	0.125	0.26	4.0	9.1	3.20	995	2.70	2.75	3.1	70.8	420
R319848	8.64	17.00	0.11	1.6	0.141	0.37	4.5	11.9	3.20	1020	0.73	2.74	3.2	68.9	430
R319850	9.12	20.3	0.19	7.8	0.130	1.37	56.0	38.7	2.65	1260	5.13	2.11	58.7	107.0	3790
R319851	9.15	19.35	0.12	1.6	0.172	0.79	5.0	87.3	4.43	871	0.94	1.24	2.9	85.3	420
R319852	4.92	15.85	0.15	0.2	0.161	2.31	15.0	30.8	0.73	1080	18.95	0.68	4.0	17.9	720
R319853	9.76	18.55	0.11	1.7	0.119	0.40	2.8	19.0	3.51	1280	0.96	2.54	3.1	86.9	390
R319854	8.66	17.80	0.12	1.4	0.118	0.44	3.4	17.4	3.03	1120	1.63	2.92	3.1	79.9	460
R319855	9.29	17.65	0.12	1.6	0.113	0.53	2.8	25.5	3.19	1190	4.59	2.44	2.9	84.2	430
R319856	9.32	19.55	0.10	1.4	0.200	0.38	3.1	21.5	3.24	1260	2.08	2.06	2.5	79.3	500
R319857	9.45	17.00	0.11	1.5	0.108	0.30	2.2	12.3	3.31	1200	1.44	2.06	2.9	73.8	390
R319858	8.71	17.70	0.11	1.4	0.160	0.31	2.3	11.5	3.12	1290	1.53	2.28	3.0	85.2	520
R319859	9.43	18.50	0.10	1.4	0.153	0.33	3.8	14.5	3.37	1440	0.92	1.90	3.0	82.8	440
R319860	8.93	17.80	0.13	1.4	0.108	0.36	2.2	10.2	3.45	1440	0.54	1.84	3.1	75.4	440
R319861	9.26	16.90	0.11	1.8	0.098	0.42	2.8	41.0	3.10	1700	0.97	1.79	2.9	73.7	400
R319862	9.88	27.4	0.77	3.5	0.041	2.21	770	26.0	1.13	921	18.95	0.05	48.6	8.7	1240
R319863	9.13	18.20	0.10	1.8	0.081	1.13	3.1	63.3	3.94	1730	0.54	0.64	2.6	71.0	400
R319864	11.40	15.70	0.11	1.0	0.188	0.47	6.2	12.7	3.18	1410	1.29	1.54	2.3	68.2	320
R319865	9.00	17.45	0.12	1.5	0.137	0.40	6.1	18.5	3.36	1350	0.96	2.27	3.1	87.7	450
R319866	8.35	15.75	0.12	1.2	0.109	0.42	4.6	18.0	3.22	1280	2.42	1.89	2.7	81.6	430
R319867	9.11	17.35	0.11	1.4	0.115	0.55	2.8	19.9	3.54	1350	0.98	2.10	3.0	81.9	430
R319868	9.26	17.75	0.11	1.3	0.100	0.48	2.1	26.9	3.51	1350	0.47	2.07	2.9	71.5	400
R319869	10.85	18.45	0.12	1.2	0.113	0.62	3.2	23.5	3.67	1460	0.51	1.85	3.1	82.6	470
R319870	9.19	17.35	0.11	1.5	0.096	0.54	3.5	27.4	3.45	1340	0.63	2.20	2.9	63.6	420
R319871	9.78	17.80	0.11	1.5	0.107	0.58	4.6	29.3	3.67	1400	0.58	2.12	3.2	76.7	440

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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 29-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15055483

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319836A		1.7	35.2	<0.002	0.05	1.07	42.4	2	3.4	195.5	0.80	<0.05	0.8	0.972	0.12	0.8
R319836B		1.6	35.9	<0.002	0.05	1.11	43.5	2	3.5	199.0	0.77	<0.05	0.8	0.983	0.11	0.6
R319837		2.0	27.5	0.002	0.05	1.81	32.8	1	5.3	224	2.11	<0.05	1.8	1.480	0.10	1.0
R319838		4.4	45.3	<0.002	0.07	0.93	39.3	1	4.3	129.5	0.18	0.08	0.3	0.637	0.16	0.5
R319839		1.7	28.0	<0.002	0.02	0.93	37.2	1	2.8	147.0	0.18	<0.05	0.3	0.667	0.09	0.5
R319840		1.5	31.5	<0.002	0.06	1.21	40.5	1	5.3	136.0	0.17	<0.05	0.3	0.640	0.10	0.4
R319841		2.0	18.6	<0.002	0.01	1.51	42.7	1	2.4	140.5	0.19	<0.05	0.3	0.703	0.06	0.4
R319842		3.5	35.1	<0.002	0.04	1.42	45.2	2	2.9	158.0	0.19	<0.05	0.3	0.700	0.10	0.3
R319843		7.0	26.4	<0.002	<0.01	0.15	6.7	<1	0.5	165.5	0.19	<0.05	2.2	0.188	0.12	0.5
R319844		1.7	33.6	<0.002	<0.01	1.31	44.6	1	2.2	169.0	0.20	<0.05	0.3	0.745	0.10	0.3
R319845		3.7	28.7	<0.002	0.25	2.33	34.6	3	3.0	137.5	0.15	0.06	0.7	0.494	0.09	0.4
R319846		1.8	24.6	<0.002	0.04	1.14	44.3	1	2.6	198.5	0.21	<0.05	0.3	0.711	0.08	0.3
R319847		2.5	17.5	<0.002	0.03	1.13	44.2	1	2.3	180.5	0.19	<0.05	0.3	0.712	0.06	0.3
R319848		3.7	29.9	0.002	0.05	1.05	43.1	1	2.3	214	0.20	<0.05	0.3	0.712	0.09	0.3
R319850		24.0	75.5	0.005	0.41	1.88	24.4	3	1.7	355	3.37	<0.05	3.7	2.10	0.28	0.8
R319851		2.5	62.2	0.005	0.26	0.92	41.1	3	1.3	90.5	0.18	0.08	0.3	0.663	0.27	0.3
R319852		72.7	89.5	0.179	2.79	1.75	6.9	4	1.8	184.5	0.28	0.68	4.6	0.172	1.26	0.9
R319853		2.0	26.5	0.002	0.02	1.19	45.1	1	1.7	132.0	0.19	<0.05	0.3	0.699	0.09	0.1
R319854		1.9	30.5	0.002	0.04	1.00	45.6	1	1.4	150.5	0.20	<0.05	0.3	0.712	0.11	0.2
R319855		2.4	40.2	0.004	0.03	1.68	42.8	1	1.5	145.0	0.18	<0.05	0.3	0.673	0.14	0.2
R319856		6.2	23.1	0.003	0.20	4.14	39.5	3	1.6	132.0	0.15	0.11	0.2	0.577	0.08	0.2
R319857		2.8	22.9	<0.002	0.03	1.48	41.0	1	1.8	188.0	0.18	<0.05	0.3	0.669	0.08	0.2
R319858		2.9	21.7	0.002	0.18	1.34	43.3	3	1.0	125.5	0.19	0.08	0.3	0.667	0.08	0.1
R319859		3.3	21.8	0.002	0.10	1.46	45.0	2	1.0	157.5	0.18	0.05	0.3	0.689	0.08	0.1
R319860		2.2	31.3	<0.002	0.05	1.67	44.3	1	0.8	186.5	0.20	<0.05	0.3	0.707	0.12	0.1
R319861		6.2	32.1	0.003	2.43	1.39	42.1	4	1.8	161.0	0.20	0.19	0.3	0.689	0.16	0.1
R319862		22.3	183.0	0.097	0.10	1.02	8.7	8	7.4	19.9	1.99	0.09	35.2	0.327	0.72	398
R319863		4.0	69.9	0.002	3.07	1.21	38.7	2	2.0	32.1	0.18	0.08	0.3	0.618	0.29	0.4
R319864		2.1	37.2	<0.002	0.07	1.42	35.1	1	1.3	99.8	0.14	<0.05	0.2	0.539	0.15	0.1
R319865		2.2	35.1	0.002	0.20	1.53	44.9	3	1.1	168.0	0.20	<0.05	0.3	0.720	0.12	0.2
R319866		2.6	28.8	0.005	0.26	1.18	38.7	3	1.6	152.0	0.17	<0.05	0.3	0.657	0.12	0.1
R319867		2.0	43.4	0.002	0.06	1.86	43.1	2	1.3	185.0	0.19	<0.05	0.3	0.692	0.15	0.1
R319868		2.0	35.3	<0.002	0.14	1.57	41.8	1	0.9	195.5	0.18	<0.05	0.3	0.665	0.13	0.1
R319869		2.2	56.4	0.003	0.07	1.52	45.9	2	0.8	213	0.20	<0.05	0.3	0.723	0.20	0.1
R319870		2.5	44.8	0.002	0.07	1.50	43.6	1	0.9	198.0	0.19	<0.05	0.3	0.709	0.17	0.1
R319871		2.2	48.0	0.003	0.08	1.58	42.9	1	0.9	192.5	0.21	<0.05	0.3	0.707	0.19	0.1

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Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319836A	357	2.5	30.7	47	107.0	5.70	3.43	1.42	5.26	1.19	0.45	19.5	4.09	5.05	0.88
R319836B	352	2.4	31.8	46	113.0	5.73	3.39	1.41	5.40	1.16	0.46	20.0	4.22	4.99	0.88
R319837	355	7.9	36.2	56	220	6.95	3.95	2.03	7.08	1.38	0.53	28.0	5.79	7.17	1.13
R319838	276	3.5	23.7	64	68.0	3.69	2.44	0.71	2.97	0.78	0.36	5.2	0.92	2.23	0.54
R319839	282	3.1	23.1	47	64.5	3.62	2.43	0.79	3.05	0.78	0.36	5.4	0.88	2.37	0.55
R319840	319	5.6	23.3	47	58.7	3.79	2.34	0.85	3.29	0.80	0.36	7.3	1.39	2.70	0.57
R319841	330	10.9	26.1	40	65.7	4.09	2.75	0.77	3.34	0.90	0.42	6.7	1.19	2.57	0.59
R319842	337	8.9	29.5	56	68.2	4.69	3.01	0.90	4.02	0.99	0.43	12.0	2.62	3.53	0.70
R319843	58	0.2	6.9	25	59.8	1.23	0.75	0.41	1.35	0.24	0.12	9.0	2.44	1.79	0.21
R319844	321	10.1	27.6	43	68.5	4.50	2.91	0.84	3.85	0.96	0.42	8.3	1.54	3.05	0.67
R319845	278	6.6	21.6	57	62.0	3.36	2.26	0.75	2.89	0.74	0.35	7.2	1.47	2.42	0.50
R319846	320	6.2	27.4	42	54.1	4.38	2.88	0.99	3.65	0.93	0.40	8.1	1.55	2.94	0.66
R319847	325	2.8	28.1	46	62.9	4.43	2.92	0.89	3.74	0.96	0.42	8.5	1.65	3.00	0.67
R319848	329	3.8	27.7	51	58.4	4.50	2.96	0.96	3.77	0.97	0.42	8.9	1.75	3.06	0.66
R319850	327	0.5	38.2	185	358	7.15	3.69	2.80	8.59	1.34	0.47	62.5	15.85	11.00	1.23
R319851	302	2.6	20.1	63	62.8	3.22	2.26	0.62	2.83	0.71	0.33	8.0	1.68	2.38	0.50
R319852	71	8.2	8.1	682	4.5	1.63	0.82	0.77	2.13	0.30	0.10	13.4	3.36	2.85	0.29
R319853	335	1.5	27.8	66	62.9	4.37	2.93	0.90	3.61	0.96	0.41	7.2	1.34	2.78	0.64
R319854	329	0.8	27.8	56	51.9	4.52	2.88	0.87	3.68	0.96	0.40	7.4	1.45	2.90	0.67
R319855	318	0.9	26.1	67	62.6	4.15	2.72	0.79	3.38	0.89	0.39	6.8	1.29	2.64	0.61
R319856	285	1.4	25.3	76	53.3	3.81	2.53	0.73	3.12	0.83	0.36	6.5	1.26	2.45	0.56
R319857	309	4.3	26.1	57	50.0	4.16	2.77	0.86	3.61	0.91	0.39	7.5	1.37	2.84	0.62
R319858	310	1.9	28.2	69	44.0	4.50	2.96	0.87	3.68	0.97	0.40	7.1	1.30	2.81	0.66
R319859	324	3.1	28.0	74	60.3	4.46	2.90	0.98	3.79	0.97	0.41	8.5	1.65	3.03	0.66
R319860	319	5.4	25.6	72	48.0	4.00	2.63	0.74	3.53	0.86	0.38	8.3	1.52	3.01	0.60
R319861	300	3.1	28.3	113	47.5	4.98	3.11	1.02	4.07	1.05	0.42	8.1	1.44	2.85	0.74
R319862	73	17.2	131.5	21	116.0	25.7	14.45	7.58	31.8	4.88	1.79	423	133.0	46.9	4.52
R319863	310	3.0	21.1	201	56.3	3.67	2.51	0.58	3.00	0.78	0.36	6.7	1.31	2.21	0.51
R319864	276	1.8	23.3	77	33.6	3.75	2.41	0.89	3.21	0.81	0.33	9.1	1.99	2.69	0.56
R319865	332	3.9	34.8	71	53.9	5.79	3.54	1.18	5.04	1.21	0.46	12.0	2.42	4.15	0.86
R319866	302	1.9	30.6	73	38.4	5.10	3.25	0.97	4.17	1.09	0.41	9.0	1.82	3.10	0.76
R319867	317	2.5	27.1	70	47.2	4.29	2.82	0.90	3.68	0.92	0.39	7.8	1.48	2.98	0.65
R319868	307	2.5	23.0	70	41.3	3.63	2.40	0.70	2.93	0.80	0.35	5.8	1.09	2.17	0.52
R319869	339	2.4	23.9	74	39.7	3.69	2.36	0.75	3.34	0.79	0.35	8.1	1.52	2.83	0.56
R319870	322	1.8	25.2	80	52.7	4.01	2.64	0.73	3.26	0.87	0.37	7.1	1.44	2.50	0.58
R319871	323	2.0	25.8	83	49.1	4.17	2.73	0.82	3.59	0.90	0.39	8.8	1.79	2.89	0.63

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Sample Description	Method	ME-MS61r	ME-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319836A		0.49	3.02
R319836B		0.49	3.02
R319837		0.56	3.52
R319838		0.36	2.35
R319839		0.37	2.36
R319840		0.35	2.29
R319841		0.41	2.67
R319842		0.46	2.89
R319843		0.12	0.78
R319844		0.44	2.88
R319845		0.35	2.24
R319846		0.42	2.78
R319847		0.43	2.85
R319848		0.43	2.78
R319850		0.51	3.16
R319851		0.35	2.27
R319852		0.11	0.74
R319853		0.44	2.74
R319854		0.42	2.75
R319855		0.41	2.60
R319856		0.38	2.49
R319857		0.40	2.69
R319858		0.44	2.75
R319859		0.43	2.76
R319860		0.38	2.55
R319861		0.45	2.92
R319862		2.02	12.80
R319863		0.35	2.33
R319864		0.35	2.25
R319865		0.53	3.29
R319866		0.47	2.95
R319867		0.44	2.69
R319868		0.36	2.32
R319869		0.36	2.35
R319870		0.39	2.49
R319871		0.40	2.60

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 29-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15055483

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22	
LOG-23	PUL-31	PUL-QC	SPL-21	
SPL-34	WEI-21			

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	ME-MS61r		

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Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE SD15054735

This report is for 27 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 15-APR-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

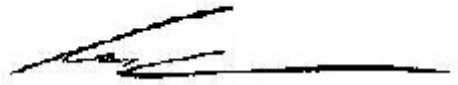
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	VARIABLE

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
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SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054735

Method Analyte Units	WEI-21 Recvd Wt. kg	Au-AA23 Au ppb	ME-MS61r Ag ppm	ME-MS61r Al %	ME-MS61r As ppm	ME-MS61r Ba ppm	ME-MS61r Be ppm	ME-MS61r Bi ppm	ME-MS61r Ca %	ME-MS61r Cd ppm	ME-MS61r Ce ppm	ME-MS61r Co ppm	ME-MS61r Cr ppm	ME-MS61r Cs ppm	ME-MS61r Cu ppm
	0.02	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R319849A	1.99	5	0.35	6.88	22.2	470	1.38	0.72	5.46	0.32	113.5	45.8	57	2.42	249
R319849B	<0.02	<5	0.47	6.82	21.5	460	1.35	0.70	5.46	0.33	113.0	45.6	53	2.40	246
R319872	1.35	57	0.15	7.12	21.1	70	0.37	0.21	6.18	0.04	10.35	77.7	112	2.56	1320
R319873	1.48	20	0.15	7.30	12.1	70	0.44	0.14	6.83	0.02	9.87	48.2	113	2.37	485
R319874	2.09	22	0.14	7.55	8.8	70	1.04	0.13	7.01	0.03	11.40	47.7	110	2.71	533
R319875	0.74	540	3.93	6.92	27.8	80	2.02	2.04	4.88	0.22	15.85	68.3	118	2.25	>10000
R319876	1.24	18	0.12	7.32	8.6	70	0.92	0.14	6.15	<0.02	10.15	49.6	104	3.56	455
R319877	2.30	<5	0.08	7.35	17.0	70	0.39	0.15	6.30	0.02	11.95	52.3	102	4.37	123.5
R319878	0.50	<5	0.03	3.33	1.6	250	0.51	0.05	1.38	0.07	20.6	5.9	51	0.55	60.8
R319879	0.67	45	0.13	6.79	10.3	120	1.39	0.23	4.49	<0.02	17.00	44.2	107	2.55	1015
R319880	1.87	10	0.06	7.75	13.3	160	0.68	0.15	5.64	0.02	14.10	52.2	117	3.19	310
R319881	1.75	<5	0.03	7.27	8.9	90	1.46	0.15	5.50	<0.02	13.95	47.5	110	4.41	111.5
R319882	1.98	12	0.04	7.03	12.5	80	0.50	0.13	5.70	<0.02	10.60	46.7	111	1.71	230
R319883	1.16	9	0.04	8.06	13.1	110	0.38	0.17	6.39	0.02	10.90	57.3	131	3.62	185.0
R319884	0.91	15	0.51	6.97	35.0	90	0.31	0.34	6.06	0.04	14.45	105.0	119	1.55	699
R319885	0.87	<5	0.15	7.21	19.3	90	0.32	0.18	6.87	0.02	5.82	62.9	115	1.25	274
R319886	0.04	304	1.93	8.07	34.1	390	0.87	0.78	1.28	3.80	31.6	11.7	28	9.45	2260
R319887	1.67	<5	0.03	7.16	9.8	110	0.40	0.14	7.18	0.03	11.75	48.5	109	1.52	111.5
R319888	1.09	<5	0.09	7.51	16.5	120	0.36	0.20	7.06	0.03	14.95	53.2	125	1.53	132.5
R319889	1.88	7	0.07	7.13	18.4	120	0.29	0.24	7.33	0.02	10.90	60.4	114	0.87	382
R319890	1.97	<5	0.05	7.43	10.4	180	0.38	0.23	6.98	0.02	14.10	47.9	114	2.07	84.2
R319891	1.90	<5	0.02	7.46	15.3	90	0.37	0.30	6.80	0.02	10.20	48.6	124	1.42	119.5
R319892	1.75	<5	0.06	7.39	16.9	60	0.36	0.30	6.70	0.02	9.88	50.1	116	1.22	106.5
R319893	1.92	74	0.09	7.06	60.4	70	1.93	0.19	5.24	<0.02	11.25	55.7	119	1.86	648
R319894	0.83	119	0.34	7.63	14.3	140	0.76	0.29	4.88	0.02	9.05	51.4	122	3.52	2730
R319895	0.63	79	0.54	6.23	29.4	340	3.76	1.35	1.72	<0.02	79.8	13.1	7	3.85	1205
R319896	0.02	8	0.42	5.57	17.1	180	6.20	0.41	1.16	0.02	>500	45.7	28	2.17	415

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054735

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319849A	10.00	19.90	0.16	7.9	0.144	1.10	51.9	38.3	3.00	1330	1.82	2.10	60.8	108.5	4020
R319849B	9.89	19.65	0.15	7.8	0.140	1.08	50.8	38.2	2.97	1300	1.58	2.08	60.9	107.5	3950
R319872	9.37	17.80	0.07	1.4	0.143	0.51	3.5	31.8	4.07	1290	1.07	1.81	3.4	92.2	410
R319873	8.90	18.00	0.07	1.6	0.117	0.44	3.2	15.7	3.54	1260	0.87	2.09	3.3	73.6	450
R319874	9.27	19.85	0.07	2.1	0.131	0.49	4.3	16.4	3.54	1040	0.46	2.30	4.0	65.8	460
R319875	11.55	22.9	0.10	1.9	0.931	1.34	6.4	64.9	4.93	865	1.79	1.69	16.4	136.5	480
R319876	9.41	19.00	0.06	2.0	0.133	0.76	3.2	26.3	4.16	1070	0.80	2.34	3.3	77.6	440
R319877	9.13	18.50	0.06	1.6	0.110	0.66	4.2	21.4	3.96	1470	0.68	2.12	3.3	82.9	450
R319878	2.14	7.39	0.05	1.6	0.021	0.80	11.2	5.1	0.62	305	0.24	1.26	2.9	17.1	180
R319879	9.91	20.4	0.07	1.6	0.171	0.73	7.0	26.0	2.60	938	3.35	2.30	7.0	68.9	380
R319880	9.76	20.4	0.06	1.7	0.126	0.78	5.6	39.0	4.15	1380	1.50	2.36	3.4	89.4	460
R319881	9.10	22.0	0.07	1.9	0.111	1.56	5.7	71.0	5.67	1140	0.50	1.39	3.4	79.6	410
R319882	9.60	17.15	0.06	1.5	0.135	0.57	3.6	25.5	3.91	1340	0.57	2.31	3.1	77.6	430
R319883	10.80	22.1	0.06	1.9	0.115	0.64	3.6	44.6	4.18	1410	0.97	1.88	3.7	86.3	460
R319884	10.90	18.75	0.06	1.1	0.117	0.45	5.3	29.2	3.15	1330	0.81	1.98	3.1	149.5	420
R319885	9.01	17.55	0.05	1.1	0.104	0.47	2.1	21.4	2.98	1260	0.79	1.91	3.1	95.3	420
R319886	5.35	18.15	0.10	0.2	0.192	2.55	16.4	32.1	0.79	1180	22.3	0.73	4.4	19.7	770
R319887	10.55	18.70	0.06	1.2	0.144	0.67	4.1	26.6	3.25	1510	1.37	1.83	3.1	80.4	380
R319888	10.05	19.70	0.07	1.3	0.143	0.70	5.4	30.4	2.90	1320	0.73	1.77	3.3	87.5	400
R319889	10.80	18.55	0.06	1.1	0.146	0.61	3.7	25.5	3.06	1490	1.21	1.70	3.2	81.3	420
R319890	10.60	19.40	0.07	1.2	0.157	1.01	5.0	35.8	3.59	1720	0.70	1.44	3.3	73.6	440
R319891	9.05	18.65	0.05	1.2	0.130	0.53	3.4	21.1	3.05	1340	1.07	1.99	3.3	75.6	430
R319892	9.73	19.10	0.05	1.1	0.143	0.50	3.4	23.6	3.56	1360	0.73	2.02	3.0	84.4	450
R319893	9.63	21.3	0.06	1.5	0.197	0.65	4.1	41.8	3.87	1220	0.86	2.12	4.3	70.7	410
R319894	8.80	17.90	0.07	1.5	0.333	1.47	3.0	53.7	3.90	1180	4.61	2.17	3.5	84.9	530
R319895	2.52	22.8	0.13	5.2	0.055	3.00	39.9	8.5	0.43	159	1.88	0.37	67.1	7.4	80
R319896	10.50	28.7	0.73	3.3	0.040	2.28	780	25.1	1.16	949	19.25	0.05	52.9	7.8	1260

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054735

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319849A		136.5	57.6	0.004	0.44	2.23	28.6	3	2.0	326	3.50	0.05	2.1	2.22	0.24	0.5
R319849B		127.0	56.9	0.004	0.42	2.14	28.4	3	2.0	323	3.51	0.06	2.2	2.21	0.24	0.5
R319872		2.5	37.1	0.002	0.52	1.55	42.6	3	1.1	134.5	0.21	0.07	0.3	0.697	0.15	0.1
R319873		1.9	32.1	0.002	0.14	1.69	43.2	1	3.0	122.0	0.21	0.05	0.3	0.712	0.13	0.3
R319874		1.7	37.7	<0.002	0.07	1.75	45.5	1	4.0	150.5	0.22	<0.05	0.3	0.744	0.14	0.7
R319875		3.1	40.9	<0.002	2.50	1.62	47.0	15	10.4	139.5	0.22	1.43	0.6	0.702	0.13	1.5
R319876		2.1	68.5	0.002	0.09	1.59	45.5	2	6.8	185.0	0.20	<0.05	0.3	0.725	0.25	0.8
R319877		2.6	63.4	0.002	0.17	1.64	45.6	2	2.0	214	0.20	<0.05	0.3	0.692	0.24	0.1
R319878		6.6	25.0	<0.002	0.01	0.15	7.1	<1	0.5	169.0	0.22	<0.05	2.3	0.202	0.13	0.5
R319879		2.5	62.1	0.002	0.22	1.42	36.4	3	8.9	201	0.57	0.08	2.4	0.595	0.23	1.7
R319880		1.9	67.4	0.003	0.12	1.59	46.1	2	3.2	205	0.21	<0.05	0.3	0.754	0.31	0.4
R319881		1.4	41.1	<0.002	0.11	1.40	43.4	1	3.4	102.0	0.20	<0.05	0.3	0.715	0.13	0.6
R319882		1.7	32.2	0.002	0.08	1.55	42.7	1	2.4	143.0	0.20	<0.05	0.3	0.691	0.15	0.2
R319883		2.8	59.0	0.003	0.20	2.06	49.3	2	2.2	143.5	0.23	<0.05	0.3	0.790	0.27	0.3
R319884		7.8	35.5	0.002	1.26	3.09	41.7	4	1.1	104.0	0.19	0.11	0.3	0.673	0.69	0.1
R319885		4.5	26.2	0.002	0.51	1.93	43.3	2	1.1	107.5	0.20	<0.05	0.2	0.693	0.25	0.1
R319886		79.0	93.0	0.218	3.02	2.10	7.7	6	2.0	204	0.31	0.93	4.6	0.183	1.43	0.9
R319887		2.6	38.3	0.003	0.08	2.01	43.0	1	1.2	112.0	0.20	<0.05	0.3	0.690	0.16	0.1
R319888		4.2	44.9	0.002	0.24	1.94	44.9	1	1.4	84.8	0.20	<0.05	0.3	0.727	0.27	0.1
R319889		4.8	26.8	0.003	0.41	2.26	44.0	2	0.9	70.6	0.20	<0.05	0.3	0.694	0.28	0.1
R319890		4.0	76.5	0.002	0.17	1.85	46.7	1	1.3	111.5	0.21	<0.05	0.3	0.736	0.39	0.1
R319891		3.3	38.1	0.002	0.31	1.92	44.4	2	1.3	113.5	0.21	<0.05	0.3	0.725	0.21	0.1
R319892		3.8	34.2	<0.002	0.37	2.36	43.3	2	2.0	134.0	0.20	<0.05	0.3	0.710	0.25	0.1
R319893		2.7	41.5	0.002	0.30	1.60	43.5	2	10.7	121.0	0.21	0.08	0.3	0.698	0.25	0.3
R319894		2.0	83.6	0.006	0.38	1.19	44.0	5	5.0	161.0	0.19	0.27	0.3	0.728	0.32	0.5
R319895		4.3	162.5	<0.002	2.07	0.79	1.9	3	4.4	16.6	5.94	0.10	25.1	0.064	0.74	6.3
R319896		21.9	176.5	0.095	0.10	1.07	8.3	10	7.6	21.0	1.95	0.11	33.8	0.326	0.61	391

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054735

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319849A	362	1.2	40.3	235	361	7.88	4.10	3.00	9.36	1.51	0.50	64.4	14.75	11.70	1.36
R319849B	362	1.2	39.5	233	356	7.78	4.00	2.95	9.26	1.49	0.50	64.3	14.45	11.40	1.35
R319872	320	2.8	27.2	77	54.4	4.68	3.01	0.77	3.91	1.01	0.41	8.6	1.52	2.99	0.69
R319873	327	2.8	28.0	62	54.6	4.83	3.12	0.95	4.04	1.05	0.43	8.7	1.51	3.11	0.72
R319874	342	1.7	33.4	57	74.8	5.86	3.53	0.88	4.97	1.21	0.51	9.5	1.67	3.78	0.89
R319875	326	3.4	52.4	104	70.3	9.39	4.96	0.92	8.17	1.81	0.64	12.1	2.19	5.59	1.51
R319876	329	4.2	31.1	56	67.3	5.40	3.44	0.93	4.48	1.14	0.49	9.1	1.59	3.45	0.79
R319877	322	1.5	27.4	64	62.2	4.75	3.05	0.75	3.99	1.03	0.42	9.2	1.66	2.99	0.69
R319878	61	0.2	7.1	25	60.2	1.40	0.84	0.47	1.57	0.28	0.13	10.3	2.48	1.95	0.24
R319879	280	4.0	31.8	49	52.6	5.46	3.53	0.97	4.52	1.18	0.47	10.9	2.18	3.56	0.81
R319880	348	1.8	28.2	82	58.8	4.83	3.19	0.84	4.12	1.06	0.43	9.6	1.87	3.11	0.72
R319881	333	2.7	31.0	82	70.8	5.33	3.48	1.04	4.59	1.14	0.49	10.2	1.89	3.45	0.79
R319882	325	2.6	25.9	69	48.3	4.57	2.91	0.92	3.88	0.97	0.39	8.7	1.57	3.03	0.67
R319883	365	1.6	29.0	80	68.3	4.99	3.20	0.89	4.09	1.05	0.45	9.2	1.63	3.16	0.72
R319884	314	0.9	24.4	73	30.4	4.33	2.74	1.12	3.92	0.92	0.35	10.8	2.02	3.29	0.66
R319885	315	0.9	24.6	69	36.3	4.22	2.73	0.70	3.37	0.92	0.34	5.9	1.00	2.44	0.61
R319886	75	4.8	9.3	740	7.5	1.88	0.95	0.86	2.46	0.34	0.13	15.4	3.54	3.25	0.34
R319887	321	0.8	25.5	83	55.9	4.52	2.89	1.14	3.87	0.96	0.37	9.3	1.68	3.06	0.67
R319888	330	0.7	26.5	85	37.4	4.73	3.00	1.12	4.17	1.01	0.38	11.3	2.11	3.48	0.70
R319889	316	0.6	26.9	76	33.0	4.59	2.96	0.88	3.89	0.99	0.38	8.8	1.58	2.99	0.68
R319890	342	1.5	27.6	89	39.1	4.88	3.02	1.19	4.38	1.03	0.39	11.1	2.05	3.63	0.73
R319891	323	1.0	26.9	73	36.6	4.70	2.96	0.92	3.92	1.02	0.38	8.4	1.51	2.98	0.69
R319892	332	2.9	26.2	72	37.2	4.51	2.89	0.88	3.80	0.98	0.37	8.3	1.48	2.92	0.67
R319893	315	2.2	28.2	72	55.8	4.75	2.98	0.87	4.02	1.00	0.40	8.5	1.59	3.09	0.72
R319894	340	1.4	29.8	69	55.4	4.94	3.16	0.82	4.05	1.06	0.44	7.7	1.38	2.91	0.72
R319895	18	1.6	33.4	17	144.0	5.73	3.50	0.22	5.60	1.15	0.58	31.2	9.26	6.65	0.91
R319896	77	17.4	128.0	22	124.0	25.1	13.80	7.11	33.4	4.85	1.73	412	126.0	53.4	4.43

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 27-APR-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15054735

Sample Description	Method	ME-MS61r	ME-MS61r	Cu-OC62
	Analyte	Tm	Yb	Cu
	Units	ppm	ppm	%
	LOR	0.01	0.03	0.001
R319849A		0.56	3.40	
R319849B		0.54	3.30	
R319872		0.43	2.79	
R319873		0.46	2.89	
R319874		0.52	3.29	
R319875		0.71	4.43	2.46
R319876		0.49	3.20	
R319877		0.44	2.86	
R319878		0.12	0.79	
R319879		0.51	3.31	
R319880		0.46	2.94	
R319881		0.51	3.19	
R319882		0.42	2.66	
R319883		0.47	2.94	
R319884		0.38	2.38	
R319885		0.39	2.41	
R319886		0.13	0.84	
R319887		0.42	2.63	
R319888		0.42	2.61	
R319889		0.43	2.67	
R319890		0.42	2.67	
R319891		0.42	2.69	
R319892		0.41	2.63	
R319893		0.44	2.76	
R319894		0.46	2.88	
R319895		0.56	3.81	
R319896		1.97	12.30	

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CERTIFICATE OF ANALYSIS SD 15054735

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.
Applies to Method: ME-MS61r

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21d	LOG-22
LOG-23	PUL-31	PUL-QC	SPL-21
SPL-34	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-AA23	Cu-OG62	ME-MS61r	ME-OG62

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE SD15080553

This report is for 16 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 3-JUN-2015.

The following have access to data associated with this certificate:

TRACY ARMSTRONG MORGAN QUINN	TRACY ARMSTRONG (2ND EMAIL) JOHN TAIT	MIKE KILBOURNE

SAMPLE PREPARATION

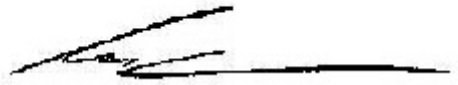
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-34	Pulp Splitting Charge
LOG-21d	Sample logging - ClientBarCode Dup
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS61r	48 element four acid ICP-MS + REEs	

To: SUPERIOR COPPER CORPORATION
ATTN: MORGAN QUINN
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15080553

Method Analyte Units	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppb 5	ME-MS61r Ag ppm 0.01	ME-MS61r Al % 0.01	ME-MS61r As ppm 0.2	ME-MS61r Ba ppm 10	ME-MS61r Be ppm 0.05	ME-MS61r Bi ppm 0.01	ME-MS61r Ca % 0.01	ME-MS61r Cd ppm 0.02	ME-MS61r Ce ppm 0.01	ME-MS61r Co ppm 0.1	ME-MS61r Cr ppm 1	ME-MS61r Cs ppm 0.05	ME-MS61r Cu ppm 0.2
R319902A	1.78	11	0.03	6.36	7.3	140	1.78	0.16	4.92	<0.02	15.65	50.3	117	3.64	217
R319902B	<0.02	13	0.04	6.57	7.4	150	1.88	0.16	5.06	<0.02	15.95	51.5	122	3.77	229
R319903	2.02	12	0.05	7.16	6.3	170	1.61	0.11	5.94	<0.02	8.08	43.4	115	5.87	414
R319904	1.11	16	0.05	6.94	6.6	170	1.97	0.10	5.89	<0.02	16.70	46.3	105	7.77	421
R319905	2.21	<5	0.03	5.95	4.2	140	2.85	0.10	1.81	<0.02	10.70	33.1	101	3.02	119.0
R319906	1.42	<5	0.02	6.62	13.2	280	3.27	0.10	1.69	<0.02	11.40	38.5	117	6.29	199.5
R319907	1.08	8	0.08	2.80	14.9	60	1.46	0.21	1.08	<0.02	7.25	32.7	60	1.28	1030
R319908	1.96	61	0.06	4.99	5.8	80	3.33	0.20	2.59	<0.02	13.30	42.1	103	2.33	369
R319909	1.68	<5	0.16	6.55	9.8	250	0.75	1.42	4.50	0.12	23.3	54.0	29	2.88	169.5
R319910	0.35	<5	0.03	3.16	1.8	240	0.53	0.04	1.34	0.07	20.9	6.2	50	0.59	11.1
R319911	1.48	<5	0.21	6.58	7.5	250	0.58	1.13	5.11	0.09	23.6	48.4	29	2.17	150.0
R319912	1.30	<5	0.29	6.51	8.2	280	0.69	2.43	4.62	0.04	23.1	56.4	31	4.25	207
R319913	0.53	<5	0.17	6.49	10.7	360	0.55	0.83	4.99	2.56	18.50	48.9	24	3.47	139.0
R319914	1.29	<5	0.20	6.19	3.0	520	0.76	2.20	2.72	0.08	32.9	107.0	31	6.78	507
R319915	2.01	<5	0.03	3.89	3.6	130	0.43	0.28	2.06	0.02	21.5	29.3	20	1.19	25.8
R319916	0.63	12	0.60	6.00	3.3	200	0.70	0.97	3.71	0.12	23.2	65.1	21	3.10	1510

***** See Appendix Page for comments regarding this certificate *****

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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15080553

Method Analyte Units	ME-MS61r Fe % 0.01	ME-MS61r Ga ppm 0.05	ME-MS61r Ge ppm 0.05	ME-MS61r Hf ppm 0.1	ME-MS61r In ppm 0.005	ME-MS61r K % 0.01	ME-MS61r La ppm 0.5	ME-MS61r Li ppm 0.2	ME-MS61r Mg % 0.01	ME-MS61r Mn ppm 5	ME-MS61r Mo ppm 0.05	ME-MS61r Na % 0.01	ME-MS61r Nb ppm 0.1	ME-MS61r Ni ppm 0.2	ME-MS61r P ppm 10
R319902A	8.92	16.05	0.08	1.9	0.239	1.26	6.1	53.1	4.87	1320	1.03	1.88	3.8	93.8	450
R319902B	9.20	16.45	0.07	2.1	0.245	1.31	6.3	53.4	5.02	1360	0.88	1.93	4.0	97.7	460
R319903	7.47	17.55	0.08	2.2	0.288	1.55	2.8	35.7	3.75	1120	2.63	1.98	3.1	77.3	490
R319904	8.37	19.05	0.08	2.2	0.266	1.48	6.5	41.4	4.39	1220	0.44	1.63	3.2	78.3	430
R319905	5.41	15.25	0.10	1.9	0.178	1.50	4.3	75.3	4.85	630	3.80	1.43	2.6	64.6	370
R319906	5.09	15.80	0.14	2.1	0.112	2.76	4.5	76.5	4.19	589	3.74	0.98	3.0	66.3	430
R319907	6.67	10.45	0.06	0.9	0.159	0.69	3.3	50.6	2.46	483	0.90	0.31	1.6	39.5	190
R319908	6.62	14.85	0.08	1.4	0.280	1.02	6.0	62.3	4.21	771	0.72	1.22	2.3	61.9	300
R319909	10.00	17.70	0.10	2.3	0.175	1.06	11.3	29.2	3.54	1870	0.59	1.66	3.3	73.2	480
R319910	1.96	7.14	0.13	1.5	0.019	0.76	11.9	5.3	0.58	286	0.18	1.22	3.0	17.6	190
R319911	9.80	18.80	0.09	2.2	0.203	1.07	11.5	34.3	3.60	1860	0.64	1.29	3.3	73.6	460
R319912	10.40	16.80	0.11	2.4	0.106	1.05	11.3	24.8	3.39	2060	1.38	1.84	3.4	74.5	460
R319913	9.83	16.40	0.09	2.0	0.532	0.99	8.9	24.6	3.31	2200	0.68	1.69	2.8	65.7	410
R319914	12.95	17.45	0.10	2.8	0.701	1.41	17.5	21.5	1.77	1740	0.88	1.11	4.8	90.4	580
R319915	6.27	14.95	0.08	1.5	0.061	0.66	12.7	36.6	4.65	621	1.32	0.18	2.1	42.7	300
R319916	10.55	18.35	0.10	2.5	0.209	0.55	11.5	20.3	3.41	1940	1.02	1.70	3.5	66.2	500

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ALS Canada Ltd.
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To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15080553

Sample Description	Method	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r	ME-MS61r
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
R319902A		1.2	94.1	<0.002	0.08	0.76	36.7	2	8.0	141.5	0.23	<0.05	0.3	0.676	0.38	0.6
R319902B		1.3	96.4	<0.002	0.08	0.78	38.3	1	8.2	145.0	0.25	<0.05	0.3	0.695	0.42	0.6
R319903		1.1	112.5	0.002	0.05	0.92	43.9	2	11.9	205	0.20	<0.05	0.3	0.712	0.43	0.8
R319904		1.0	109.0	<0.002	0.05	1.02	44.2	2	13.5	151.5	0.21	<0.05	0.3	0.712	0.37	0.8
R319905		0.9	93.4	0.002	0.02	0.60	37.2	1	14.4	77.4	0.17	<0.05	0.3	0.599	0.37	1.1
R319906		0.9	221	0.003	0.04	0.70	42.9	1	8.2	101.0	0.19	<0.05	0.3	0.685	0.88	0.6
R319907		1.2	30.0	0.002	0.13	0.77	20.5	2	5.4	28.2	0.08	<0.05	0.2	0.297	0.12	0.6
R319908		1.4	54.9	<0.002	0.07	0.68	31.3	2	16.5	61.3	0.13	<0.05	0.2	0.471	0.21	2.0
R319909		9.7	102.5	0.002	1.23	0.85	38.4	1	7.6	228	0.22	0.05	1.9	0.558	0.87	0.5
R319910		7.5	27.1	<0.002	<0.01	0.15	7.5	<1	0.4	168.0	0.22	<0.05	2.3	0.198	0.13	0.6
R319911		9.4	103.0	0.003	0.70	0.96	38.1	2	4.8	213	0.21	0.05	1.8	0.544	0.82	0.5
R319912		7.6	103.0	0.004	1.05	0.72	39.3	2	2.7	225	0.22	0.08	1.9	0.570	0.82	0.5
R319913		14.8	82.8	0.003	0.67	0.75	34.8	1	4.3	214	0.18	<0.05	1.6	0.491	0.79	0.4
R319914		12.4	98.7	<0.002	3.45	0.32	32.0	3	1.1	149.0	0.32	0.20	3.2	0.551	1.15	1.2
R319915		2.6	27.4	0.002	0.20	0.22	23.2	1	0.8	33.5	0.13	0.05	1.1	0.342	0.23	0.5
R319916		7.0	29.0	<0.002	0.59	0.34	31.6	2	4.0	172.5	0.22	0.18	2.1	0.514	0.36	0.5

***** See Appendix Page for comments regarding this certificate *****

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141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15080553

Method Analyte Units	ME-MS61r V ppm 1	ME-MS61r W ppm 0.1	ME-MS61r Y ppm 0.1	ME-MS61r Zn ppm 2	ME-MS61r Zr ppm 0.5	ME-MS61r Dy ppm 0.05	ME-MS61r Er ppm 0.03	ME-MS61r Eu ppm 0.03	ME-MS61r Gd ppm 0.05	ME-MS61r Ho ppm 0.01	ME-MS61r Lu ppm 0.01	ME-MS61r Nd ppm 0.1	ME-MS61r Pr ppm 0.03	ME-MS61r Sm ppm 0.03	ME-MS61r Tb ppm 0.01
R319902A	293	2.2	23.6	78	69.3	3.91	2.47	0.92	3.37	0.84	0.37	9.8	2.13	2.80	0.60
R319902B	305	2.3	24.2	81	70.7	4.16	2.58	0.95	3.50	0.88	0.39	10.1	2.15	2.88	0.63
R319903	311	2.9	27.4	56	77.7	4.53	3.01	0.73	3.61	0.98	0.45	7.1	1.29	2.50	0.65
R319904	325	1.9	29.9	61	78.9	4.81	3.17	0.92	4.01	1.05	0.47	10.6	2.28	3.11	0.72
R319905	267	3.5	19.0	43	68.4	3.12	2.05	0.46	2.36	0.68	0.34	5.5	1.32	1.70	0.44
R319906	292	3.2	21.4	35	75.8	3.53	2.50	0.48	2.74	0.77	0.38	6.3	1.47	1.99	0.51
R319907	154	1.8	10.8	36	32.2	1.87	1.14	0.28	1.37	0.37	0.17	3.4	0.85	1.02	0.25
R319908	240	2.4	24.6	52	53.1	3.83	2.49	0.63	2.80	0.82	0.35	6.2	1.55	1.91	0.55
R319909	291	46.1	23.1	140	87.7	4.00	2.38	0.95	3.53	0.81	0.35	12.0	2.82	2.89	0.59
R319910	58	0.2	8.0	25	54.5	1.37	0.80	0.49	1.53	0.28	0.13	9.8	2.62	1.84	0.24
R319911	288	4.8	22.9	138	82.4	3.87	2.39	0.96	3.49	0.83	0.35	12.1	2.86	2.95	0.59
R319912	299	3.9	24.1	133	89.6	4.01	2.54	1.00	3.55	0.86	0.37	12.1	2.81	3.02	0.61
R319913	292	7.5	20.5	530	74.3	3.46	2.19	0.81	3.04	0.73	0.31	9.6	2.27	2.45	0.53
R319914	239	1.3	24.8	73	107.0	4.36	2.46	1.28	4.25	0.87	0.34	15.6	3.84	3.59	0.69
R319915	185	0.8	12.7	46	56.3	2.29	1.35	0.48	2.28	0.45	0.18	9.9	2.42	2.23	0.37
R319916	243	1.1	25.5	136	91.7	4.31	2.73	0.95	3.59	0.91	0.38	11.9	2.82	2.90	0.62

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: SUPERIOR COPPER CORPORATION
141 ADELAIDE STREET WEST
SUITE 301
TORONTO ON M5H 3L5

Finalized Date: 9-JUN-2015
Account: SUPCOP

CERTIFICATE OF ANALYSIS SD 15080553

Sample Description	Method	MF-MS61r	MF-MS61r
	Analyte	Tm	Yb
	Units	ppm	ppm
	LOR	0.01	0.03
R319902A		0.37	2.41
R319902B		0.38	2.48
R319903		0.45	2.88
R319904		0.48	3.05
R319905		0.32	2.12
R319906		0.37	2.47
R319907		0.17	1.11
R319908		0.37	2.45
R319909		0.35	2.28
R319910		0.12	0.77
R319911		0.36	2.29
R319912		0.36	2.35
R319913		0.32	2.05
R319914		0.35	2.28
R319915		0.19	1.21
R319916		0.39	2.48

***** See Appendix Page for comments regarding this certificate *****

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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61r

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-21d	LOG-22
PUL-31	PUL-QC	SPL-21	SPL-34
WEI-21			

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA23	ME-MS61r