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**GEOCHEMISTRY AND MAPPING**  
**on the**  
**SKINNER PROPERTY**  
**SKINNER TOWNSHIP, ONTARIO**  
**RED LAKE MINING DIVISION**  
**NTS 52N/2 NW**  
**for**  
**SABINA GOLD & SILVER CORP.**  
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**November 2016**

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## **1. INTRODUCTION AND SUMMARY**

The Skinner Project consists of a contiguous group of 24 staked mining claims and 12 mining leases situated in Skinner Township and the Narrow Lake Area, Ontario.

The property is underlain by predominantly massive to pillowed, locally variolitic basaltic komatiite to basaltic flows of the Narrow Lake Assemblage in the northern majority of the property. Calc-alkaline basaltic andesitic to rhyolitic fragmental units as well as minor tuffaceous siltstone and massive, fine to medium grained, locally moderately foliated and amphibolitized basaltic flows of the Balmer Assemblage are located in the extreme southern portion of the property.

This report describes mapping and geochemistry programs carried out by Sabina Gold & Silver Corp. during the period of September 23<sup>rd</sup> to October 7<sup>th</sup>, 2016. Programs incorporated geologic and structural mapping, rock geochemistry, and soil geochemistry activities. A goal in further characterizing known mineralized areas of interest coupled with generation and expansion of relatively large scale targets was employed.

Results of the program identify encouraging exploration opportunities recommended for advancement including the Beaver Dam soil anomaly, Rusty Schist extension trend, and the Balmer Assemblage unconformity trend.

## **2. PROPERTY DESCRIPTION AND LOCATION**

The Skinner Project consists of a contiguous group of 24 staked mining claims and 12 mining leases, comprising ~3500 hectares. The project incorporates the historic Skinner and Golden Sidewalk properties. The claims and leases are situated within Skinner Township and extend westward into the Narrow Lake Area, Red Lake Mining Division of Ontario (Figure 1). An internal patent claim (KRL 4447) consisting of surface and mining rights exists within the south central portion of the claim group.

The property is situated 70km east-northeast of Red Lake, 360km northwest of Thunder Bay and 1,250 km northwest of Toronto, Ontario.

The claims/patents are numbered as follows: KRL 306685, KRL 321974, KRL 322456 through 322458, KRL 367960, KRL 368353 through 368355, KRL 368563 through

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368565 KRL 1184148, KRL 1244635, KRL 3002241, KRL 3005008 and KRL 3005009, KRL 1247914, KRL 1247954 through KRL 1247958, KRL 1247960 through 1247962, KRL 1247985, KRL 4200384, KRL 4200388, KRL 4200389, and KRL 212650 through 4212655 (Figure 1).

### **3. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY**

The property is accessible by a series of gravel logging roads extending from Ear Falls and crossing the claim group. Most of these roads are currently used for timber haulage year-round and are well maintained by companies contracted or subcontracted through Domtar Corporation of Dryden, Ontario.

Vehicle access directions are as follows:

1. From Hwy. 105 at Ear Falls turn east onto Gold Pines Road and travel 3 km
2. Turn north onto Wenesaga Road and travel north and east for 1 km
3. Turn north onto South Bay Road and travel north and east for 47 km
4. Turn north onto Joyce Road and travel north for 30 km

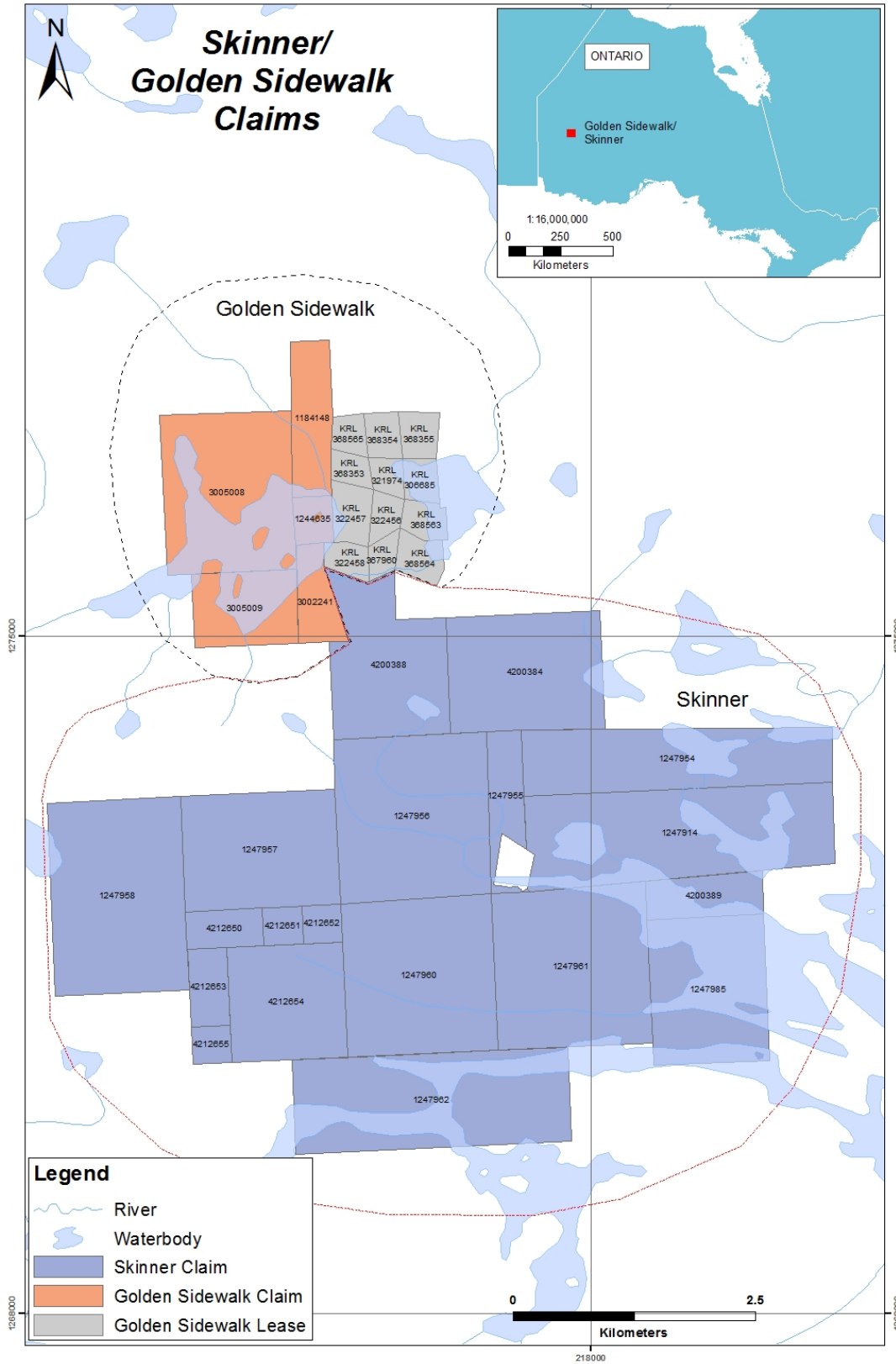


Figure 1. Inset: Location of Skinner Project, in northwestern Ontario, Canada. Mineral tenure for Skinner and Golden Sidewalk properties comprising the Skinner Project.

The southern property boundary crosses Joyce Road at approximately the 30 km marker with claims and leases extending north to approximately the 37 km marker. Eastern and western portions of the property are accessible by foot, by four-wheel-drive vehicle and/or ATV along old logging roads and trails, and by boat from Narrow Lake.

Supplies and manpower may be obtained locally in Ear Falls or Red Lake, or in the more distant communities of Kenora, Dryden or Thunder Bay, to the south. The closest source of electric power is the power line along South Bay Road, 30 km to the south of the property.

Topography consists of typical northwestern Ontario taiga forest, with low rolling wooded hills interspersed with swampy valleys. Tree cover consists mainly of spruce and pine, with lesser amounts of poplar and birch. Much of the central and western portions of the claim group have been clear-cut within 10-15 years ago and have regrown, while eastern portions have more mature growth, with considerable blow-down.

Climate is also typical of northwestern Ontario, with cold, moderately snowy winters and warm to hot summer months. Temperature extremes range from  $-40^{\circ}$  in winter to  $+35^{\circ}$  in mid-summer.



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## 4. HISTORY

The Skinner Project exploration history dates back to the early gold Rush of the Red Lake/Woman Lake area and is described for the Golden Sidewalk and Skinner Properties separately.

### Golden Sidewalk History

The Golden Sidewalk property has been subject to a considerable amount of mineral exploration since gold was first discovered on the property in 1926.

In 1927 Bathurst Mines Ltd. acquired the property and carried out a program of trenching, stripping and sampling. Seven gold-bearing zones were delineated. In 1928 a two-compartment shaft was sunk to a depth of 68m (228 ft.) with a level begun at 61m (200 ft.). The shaft was deepened to 91m (300 ft.), with level development at 61m and 91m (300 ft.). Production during 1929 was reported at 149.06 oz. gold and 50 oz. silver (Rogers and Young, 1930). The mine was closed at the end of 1929.

Bathurst Mines Ltd. reopened the mine in 1932 and produced an additional \$1500 worth of gold before ceasing operations again at the end of the year (Sinclair et al., 1934).

In 1934 the mine was again reopened, and the shaft deepened to 128m (420 ft.). Production of 74.51 oz. gold and 6 oz. silver was reported (Bathurst Mines Ltd., assessment files, Resident Geologist's Office, Red Lake).

Erie Canadian Gold Mines Ltd. optioned the property in 1935 and carried out extensive surface work.

In 1936 the Car Lake Syndicate reopened the mine, carried out extensive underground development and produced between 76.92 and 120 oz. gold and up 36 oz. silver (Young, 1937).

Gleemar Gold Mines Ltd. again reopened the mine in 1937 and completed more underground development. No records exist of underground development or mining after this time.

In 1958 Bathurst Selective Mines Securities Ltd. carried out a diamond drilling program consisting of 6 holes totaling 221.5m (727 ft.) (Assessment files, Resident Geologist's Office, Red Lake). No assays are reported in the drill logs.

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In 1966 and 1967 Gordon Jones contracted magnetometer and VLF electromagnetic surveys over much of the current property, except in the extreme northwest and southwest portions. Several conductive axes were identified. One 275m diamond drillhole was completed to test a northwesterly-striking conductor axis on present claim KRL 322456. The hole intersected mafic volcanics and minor gabbroic and dioritic rocks. Occasional quartz stringers and veins were intersected, hosting varying amounts of pyrite, chalcopyrite and arsenopyrite. No assay results were reported.

In 1969 Kendon Copper Mines Ltd. drilled 10 holes totaling 764m (2,508 ft) in the southwestern part of the present claim group (Assessment files, Resident Geologist's Office, Red Lake). The holes appear to have targeted base metals hosted in the 'rusty schist' unit. Some of the drill logs are filed in the assessment office, but no assays are reported.

Selco Exploration Company Limited drilled seven holes totaling 179m (587 ft.) at, and immediately west of the Bathurst Mine shaft during 1973. A few scattered gold values were reported.

In 1985 and 1986 Brian Cronley carried out a program of manual outcrop stripping and trenching on outcrops on present claim KRL 3022241. No significant values were reported.

St. Mary's Explorations Ltd. carried out extensive surface evaluation of vein systems, geology and mineralization in 1979, as well as a thorough compilation of previous work. The existing tailings dump was evaluated and reported to contain approximately 2,000 tons of material grading 0.30 oz. Au per ton (Assessment files, Resident Geologist's Office, Red Lake). Two diamond drill holes, totaling 92.6m, were drilled to test the Discovery vein. Additional detailed geological, magnetic, and soil sampling programs were carried out in 1987.

In 1987 Guy Hinse (Assessment Files, Resident Geologist's Office, Red Lake) prepared a summary report covering previous information, as well as work proposals, for New Sabina Resources Ltd.

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During 1986 and 1987 Eastmont Gold Mines Ltd. carried out an extensive exploration consisting of linecutting, magnetometer and VLF-EM, stripping, cleaning, mapping and sampling of old trenches. In addition 24 diamond drill holes, totaling 1586m, were drilled mainly to test gold-bearing quartz vein systems on the property.

G. Strilchuk carried out prospecting and sampling programs in areas south, southeast, north and northeast of Bathurst Lake during 1992 and 1993.

During summer 2003 Goldcorp Inc. carried out a Mobile-Metal Ion (MMI) survey for G. Strilchuk on present claim KRL 1184148. A gold anomaly was identified lying along a creek toward the south end of the claim. It was concluded that the anomaly might be associated with underlying ultramafic intrusions. Follow-up geological mapping, prospecting and a magnetometer survey were recommended.

During fall 2004 Sabina Resources Ltd. carried out a program of prospecting, mechanical stripping and channel sampling on existing and newly-discovered auriferous quartz vein systems (Arnold, J., 2004). Subsequently a grid was cut with lines spaced 50m apart over the entire property and ground magnetic and induced polarization surveys were carried out.

Sabina Silver Corporation carried out a diamond drilling program during winter 2005. Twenty-two drill holes, totaling 4,140m, were drilled to test geological targets and induced polarization anomalies on the property (Hunt, 2006).

Sabina Silver Corporation carried out a diamond drilling program during the winter of 2005/2006. Ten holes, totaling 2960.5m, were drilled to test geological targets and induced polarization anomalies on the property.

During the field season 2006 detailed mapping of the Golden Sidewalk property focused on better understanding the Au characteristics on the property. As well mechanical stripping and channel sampling over the historical Bathurst Mine was carried out with a subsequent diamond drill program during the winter 2006/2007 testing the mine horizon at depth. This program consisted of 21 diamond drill holes totaling 7225m. Ten holes of this program were drilled at a spacing of 50m x 50m below the mine working and 8 holes drilled testing the horizon at depth on a 100m x 100m spacing to a depth of 500m vertical.

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In the summer of 2007 mechanical stripping and channel sampling around the shaft was carried out. In conjunction with this a wooden cap and fence was constructed over top of the mine shaft.

## Skinner History

Since 1926 several individuals and exploration companies have completed work in the general area of the Skinner property. This work was predicated on the discovery of gold in quartz veins in the area of the Dunkin Prospect. An early exploration history is summarized by S. McRoberts, of Teck Cominco Ltd., 2003.

1926-1929, Thos Dunkin: Prospecting resulted in the discovery of gold in a quartz vein on a narrow and topographically high peninsula on Narrow Lake. In 1927, the auriferous vein measuring 1 to 3 feet in width and hosted within a gabbro intrusive unit was exposed by stripping and trenching intermittently over a distance of 250 feet. In 1928, Dunkin Gold Mines was incorporated and a 3-compartment shaft (271 feet) and lateral development including crosscuts was completed but failed to intersect the downward extension of the mineralized vein system. Operations were subsequently suspended.

1969, C. C. Huston and Associates: Airborne magnetic survey covering the property and immediate surroundings was completed. No other results were reported.

1974-1975, Northmark Mines Limited: Northmark completed a cleaning out of the old trenches, new stripping and sampling, geological mapping, and magnetometer and VLF surveys in the vicinity of the Dunkin Prospect and proposed extensions (Northmark Mines, 1974). Trench sampling of the Dunkin and Dunkin No. 2 (Dunkin East) prospects returned economic but erratic gold values up to 2.94 opt. A total of 243 metres in nine short packsack or winkie holes, predominantly on the Dunkin No. 2 prospect, were drilled. One hole from the easternmost prospect returned an intersection of 156 opt Au over 4.6 feet. Subsequent drilling both laterally and down-dip failed to intersect additional significant values.

1987-1988, Golden Hat Resources: The property was acquired by Golden Hat Resources in 1987 and work commenced with the drilling of five holes, totaling 189 metres in 1988 (Russell and Hood, 1988). The purpose of the drilling was to test the Dunkin, Dunkin No.

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2, and the area between the prospects, with a best result of 0.07opt Au over 2.0 feet being reported.

1987-1989, Canadian Patricia Mines Limited: Canadian Patricia Mines Limited carried out linecutting, geological mapping, magnetic, VLF, and IP surveys, and diamond drilling (10 holes; 5,351 feet) east of the Northmark claims in the area which constitutes the northeastern portion of the current Skinner Property (Willy, 1987 and Newman 1988). The drilling was focused on a number of gold occurrences and geological features along the north shore of Narrow Lake and a small lake (Day Lake) just north of the central portion of Narrow Lake. A carbonate (ankerite) altered and serpentized ultramafic unit was intersected in drill hole CPA89-08 associated with a high strain zone at the north end of the Day Lake. Only weakly anomalous gold values were reported.

1995, Hawke and Campbell: Till sampling (28 samples), including gold grain count and heavy mineral concentrate analysis was completed in the area immediately north of the west arm of Narrows Lake to follow-up on an area of anomalous till values defined by the 1991-1992 surficial geochemical survey completed by the Geological Survey of Canada in the Red Lake and western Uchi areas. Follow-up prospecting, mapping, and rock chip sampling was completed in two areas of anomalous till sample results (> 30 gold grains) and coincident AEM conductors in the south-central portion (north of the west arm of Narrow Lake) and western sections (parallel to road) section of the current Skinner property. Analyses of the heavy mineral concentrates yielded values up to 79,746 ppb. The exact location of the source areas was not found, however, one possible source may be the Dunkin prospect.

The claims comprising the property discussed in this report were staked by Perry English in 2001 and optioned to Wolfden Resources Ltd. in December of that year. An additional claim, KRL 1247985, was added to the group in 2002.

Teck Cominco Ltd. optioned the property from Wolfden Resources Canada Inc. in November, 2002 and carried out an extensive exploration program in summer and fall, 2003. The program covered the entire property and consisted of a detailed airborne magnetometer survey, aerial photography, geological mapping and rock sampling, rock geochemical survey, and till sampling. Teck Cominco's program was designed to define

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areas for follow-up geophysics, trenching and/or drill testing to define economic concentrations of gold.

Teck Cominco's till sampling program identified a number of pristine gold grains associated with several dispersal trains. A program of more detailed till sampling and a reconnaissance induced polarization survey were recommended in order to define follow-up drill targets. Teck Cominco Ltd. terminated their option agreement with Wolfden and the program was not carried out.

Sabina Silver Corporation (then Sabina Resources Ltd.) optioned the Skinner property from Wolfden Resources Ltd. in June 2004. Sabina carried out a program of mechanical stripping and trenching, detailed mapping and channel sampling and prospecting during August and September, 2004 (Arnold, 2004). Most of the trenching was carried out on outcrops exposed along the south margin of an extensive magnetic anomaly extending from the centre of claim KRL 1247961 west-northwesterly to the north margin of KRL 1247958. Mineralization consisted mainly of quartz veins cutting mafic volcanic flows and minor felsic intrusions. Scattered geochemically anomalous gold values were returned from trenched areas. Only one significant gold assay was returned from the prospecting program. Sample 391377 assayed 1.386 g/t Au, associated with quartz stringers in a mafic shear along the eastern part of the southern boundary of claim KRL 1247960, just north of Narrow Lake.

From November 2004 to June 2005 Exsics Exploration Ltd. carried out a program of linecutting, ground magnetic and induced polarization surveys under contract to Sabina Silver Corporation (Grant, 2005). A total of 115 line kilometers in the central and western portions of the property were surveyed.

Personnel of Sabina Silver Corporation (Sabina, 2005) carried out reconnaissance geological mapping and prospecting in areas covered by the IP survey during October and November, 2005, in order to ground-proof IP anomalies and to identify targets for diamond drilling.

During February 2006 one 489.5m diamond drill hole was drilled to test the coincident IP anomaly, sulphide mineralization and interpreted magnetic structure in "Sulphide Valley", which extends in a northwesterly direction from a bay of Narrow Lake in the

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north part of Claim 1247962. A brief field examination of the area during the fall 2005 reconnaissance mapping and prospecting program discovered variable degrees of sulphide mineralization, locally massive, within what appears to be a large-scale regional shear structure that may be associated with proximity to the Balmer Unconformity. Several cross-cutting quartz veins, hosted within sheared and biotitic volcanics, were also noted. No anomalous gold values were recovered from grab samples.

The IP chargeability anomaly extending westward from the arm of Narrow Lake is explained by alteration and sulphide concentrations intersected in the hole between surface and 220m depth. No significant gold assays were reported from any of these mineralized horizons.

### Claims Joining Skinner and Golden Sidewalk

In the spring of 2006 claims KRL 4200384 and KRL 4200388 were added in order to make a contiguous land package between Sabina Silver Corporation's Golden Sidewalk and Skinner properties. At the same time claim KRL 4200389 was added to incorporate historic Au showings at the east end of the property.

During the field season of 2006 geological mapping and a soil geochemistry survey were conducted by Sabina geologists and assistants. Mapping was conducted at 200 meter line spacing across the majority of the property. In total 1022 B-horizon soil samples were collected at 25 meter spacing across select areas of the property.

A brief detailed mapping program was conducted in the summer of 2007 in order to better characterize historic Au showings of the property. A number of high grade Au results were returned from the Dunkin #2 (73.42 g/t) and Vihonen (182.98 g/t) showings.

During the late fall of 2007 claim KRL 124759 of the original optioned property became open for staking. The claim was re-staked as claims KRL 4212650 through KRL 4212655.

In February 2008, two holes totaling 597 meters were drilled. The holes tested a contact and possible shear zone beneath an arm of Narrow Lake immediately south of the historic Dunkin Mine. Results of the drilling program were a technical success delineating a talcose ultramafic unit under the arm of Narrow Lake. Significant and anomalous Au

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values were reported in hole SK-08-02 (0.62 g/t over 11.90 meters including 1.72 g/t over 3.15 meters which includes a higher grade interval of 4.97 g/t over 0.75 meters) and anomalous values in hole SK-08-03 (120 PPB over 0.80 meters), where the ultramafic unit is in contact with the gabbro hosting the Dunkin Mine. The newly discovered interval was termed the “Blind Zone”.

In February 2009, ten diamond drill holes totaling 2045 meters were drilled primarily to test an interpreted extensive east-west trending gabbro/ultramafic contact horizon hosting the Blind Zone, with secondary targets consisting of airborne EM anomalies, geochemical gold in soil anomalies, and a series of historic surface showings along the Dunkin Peninsula. An extensive east-west trending, north dipping, gabbro/ultramafic contact horizon was delineated through a series of exploration programs. Testing of the contact over a large strike length returned sporadic anomalous and significant gold values occurring within the known mineralized area along Dunkin Peninsula. At the locality gold occurs within a series of en echelon shears parallel to the delineated contact. Gold mineralization is dominantly associated with pyrite, pyrrhotite and arsenopyrite occurring within quartz +/- carbonate veins hosted within the shears. Several intrusive units were also encountered within the structures that may or may not be related to gold mineralization.

## **5. GEOLOGY**

The Skinner Project is situated in the northeastern portion of the Birch-Uchi greenstone belt of the western Wabigoon Subprovince of the Canadian Shield.

Regional geology of the area is described by McRoberts, 2003, as follows:

*The Mesoproterozoic rocks of the region consist of five major volcanic assemblages (Balmer, Narrow Lake, Woman, Confederation, and St. Joseph) separated by a number of unconformities which span over 250 million years (2989-2735 Ma) of earth history (Nunes and Thurston, 1980; Rodgers et. al., 1999). Previous workers interpreted the greenstone belt as containing three distinct mafic to felsic cycles (Goodwin, 1967; Pryslak, 1971 a, b; Thurston, 1985). These cycles were later interpreted by Stott and Corfu (1991) as the Balmer (ca. 2960 Ma), Woman (ca. 2840 Ma), and Confederation (ca. 2740 Ma) lithotectonic assemblages. Rodgers et. al. (1999) and Tomlinson and Rodgers (1999) have tentatively reclassified the Woman Assemblage as the Narrow Lake Assemblage and Stott and Corfu (1991) have correlated this assemblage with the Bruce*



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*Channel Assemblage of the of the Red Lake greenstone belt. The eastern portion of this same assemblage may be correlated with the Confederation Assemblage (Rodgers et. al., 2000). Numerous gabbroic dykes and sills occur throughout the property area, all of similar age and composition (Rodgers, 2001). The Trout Lake Batholith, a granitic plutonic body dated at ca. 2840 Ma has intruded the southwestern and northeastern portions of the property area.*

*The claim group is underlain by rocks of the Balmer Assemblage in the extreme southern portion of the property and the Narrow Lake Assemblage in the remaining portion of the property. The boundary between the Balmer and Narrow Lake Assemblages has been constrained by the absence of pillowed flows and interbedded tuffaceous and sedimentary rocks within the Balmer Assemblage and the abundance of pillowed flows in the overlying Narrow Lake Assemblage. In the Narrow Lake area, the unconformity is also marked by the presence of quartz and feldspar xenocrystic, dacitic to rhyolitic crystal tuff, termed the Skinner porphyry.*

*The assemblages have been affected by at least three major deformational events (D1, D2, D3) of which D2 is the most pronounced (Thurston, 1985). Thurston (1985) interpreted a large northeast trending synclinorium in the area associated with the D2 deformation event. The western extension of the Swain Lake Deformation Zone (SLDZ), a west-southwest transpressional fault structure is interpreted from the regional magnetics to traverse the Mousseau Lake area immediately north of the claim group.*

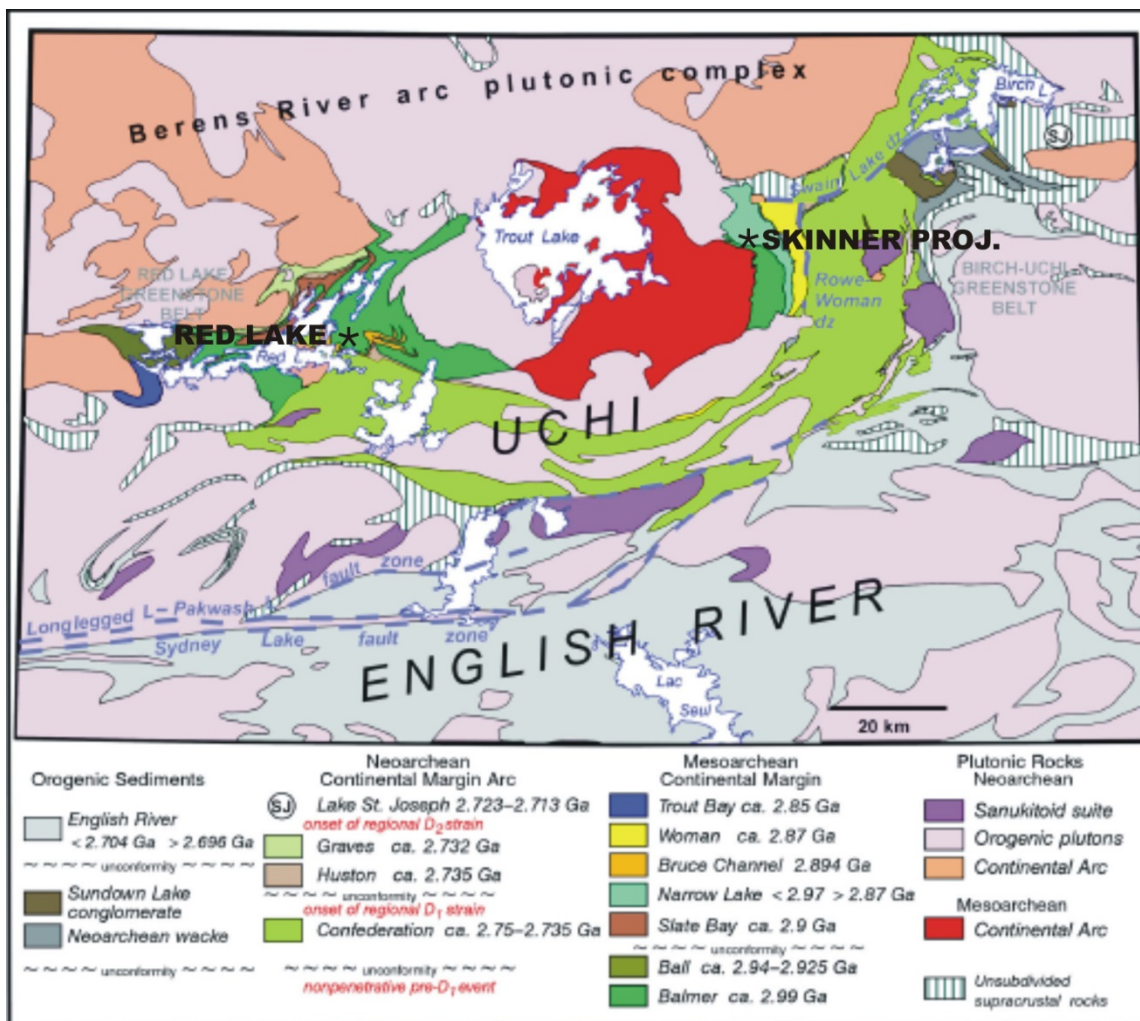


Figure 2. Major tectonostratigraphic assemblages and tectonic affinities assigned to volcanic, sedimentary and plutonic rocks of the eastern Uchi Subprovince and adjacent English River Subprovince (dz = deformation zone). From Sanborn-Barrie et al., 2004.

Property geology of the area is described by Barclay, 1987, as follows:

“Most of the property is underlain by pillowed, spherulitic, and massive flows together with irregular and ill-defined areas of phanerite which is of gabbroic composition. These latter areas may represent coarser grained core regions of massive flows, or alternatively truly intrusive material. The metavolcanics are flanked on the west by trondhjemite of the Trout Lake Batholith, and locally by talc- and serpentine-rich rocks which may be of ultramafic protolith. Where the contact between trondhjemite and adjacent units is exposed, relationships are intrusive rather than tectonic. The contact dips sub-vertically or steeply to the west.

Flattening fabric within the metavolcanics is oriented approximately north-south and dips to the west at moderate to steep angles. This fabric, S1, appears to be conformable to the margin of the Trout Lake Batholith, consistent with an episode of local east-west

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*subhorizontal compression. It appears also to be sub-parallel to volcanic stratigraphy. The degree of down-dip extension along the plane of this fabric is only rarely discernible, and may be quite substantial. Aspect ratios of pillows in plan view may therefore not reflect strain intensity. A well-developed extension lineation, L1, is present within discrete, steeply dipping zones of non-coaxial shear which correlate with this event. Plunges are steep to the northwest. This lineation attests to the considerable significance of sub-vertical tectonics within this early strain regime.*

*A second flattening fabric, S2, crenulates the earlier S1. It locally defines a penetrative foliation, within cm- to m-scale spaced domains, which is axial planar to rarely developed open folds of metavolcanics and of a few quartz veins. This fabric is oriented with a steep northerly dip at 070-080 °, is infrequently exposed and is locally responsible for a steeply plunging west-northwest intersection and fold axis lineation, L2.*

*The metavolcanics and gabbroic rocks of the central and eastern parts of the property are cut by numerous felsite bodies, most of which clearly transect stratigraphy. These trend at about 090-120 °. A second set exhibits an approximately north-south strike, roughly conformable to stratigraphy. Both sets are thought tentatively to have been emplaced within early shears and/or fracture sets. Significant vertical displacement may have occurred along these early shears, as manifest by the L1 stretching lineation.”*

Alteration, consisting of carbonatization and biotization, is generally restricted to vein margins and shear/fracture zones. The degree of alteration appears to increase slightly northward.

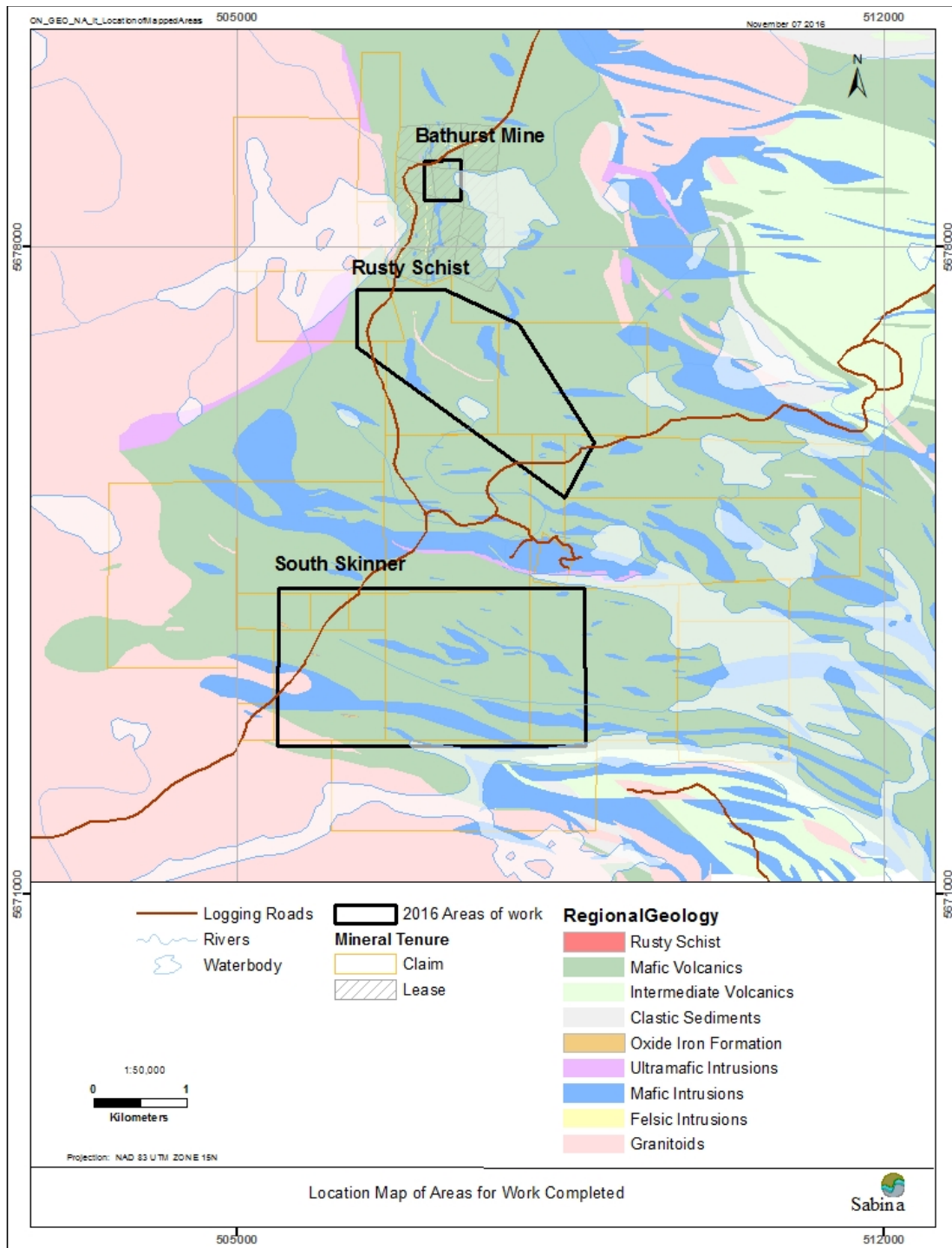


Figure 3. Property geology (after Pryslak, 1986) and 2016 work areas.

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## 6. MINERALIZATION

Gold on the Golden Sidewalk property is almost exclusively hosted by white to smoky quartz veins, is commonly irregularly distributed and nuggety. Spectacular high grade samples have been reported from the Joe and Discovery veins, as well as from other locations on the property.

Auriferous veins appear to occupy east-northeast to east-southeast fracture zones in basaltic flows and gabbroic sills, and are commonly intimately associated with parallel quartz-feldspar (felsite) dykes or lenses. Gold may also be hosted by biotite-altered, quartz flooded portions of felsite dykes. Some veins, like the Joe Vein, are flat-lying, quite irregular in shape, and appear to occupy minor late fold intersections.

Veins consist of quartz, quartz-chlorite, quartz-calcite or quartz-carbonate, with local biotitic wallrock alteration. Boudinaging of veins indicating east-west tensional movement is noted especially in the northern part of the property (e.g. the KT Vein). Similar movement is illustrated by offset geological boundaries along easterly-striking magnetic lineaments.

Associated sulphide mineralization includes trace to 10% pyrite, trace to 15% pyrrhotite, trace to 10% arsenopyrite and trace to 2% chalcopyrite.

The historic Dunkin and Vihonen occurrences on the Skinner property consist of scattered high grade, nuggety gold mineralization hosted by quartz veins intruding massive basalt flows or gabbroic sills. Evidence suggests that the quartz veins are irregular and discontinuous.

The series of trenches in the southwestern part of the property which were stripped, mapped and sampled during 2004 (Arnold, 2004) were situated along the south margin of an extensive WNW trending magnetic anomaly. Intense shearing, local boudinaging and drag-folding was noted in several of the trenches, within the wallrock and along quartz vein margins. Associated sulphide mineralization consisted of chalcopyrite and pyrite. No significant gold values were obtained from trench sampling.

The recently discovered Blind Zone (2008) is situated immediately south of the Dunkin Peninsula at the south gabbro contact where it is in contact with a blind ultramafic unit.

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The ultramafic rock is highly talcose and subsequently recessively weathered producing a topographic depression which is immediately under an arm of Narrow Lake. The sheared lithological contact dips approximately 70 degrees to the north and is host to Au bearing quartz veining and silicification. This mineralization is most notable within the hanging wall gabbro where it is characterized as being composed of quartz + carbonate veining on a mm- to cm-scale hosting pyrrhotite, pyrite, arsenopyrite, and gold mineralization. Assay results from the gabbro intervals returned values up 1.28 g/t over 0.30 meters. Mineralized rocks of the ultramafic footwall are described as a fine-grained talcose unit with variable amounts of mm- to cm-scale drag folded quartz +/- carbonate veins hosting dominantly pyrite. Footwall rocks returned the highest gold assay of 4.97 g/t over 0.75 meters to date and are the target of further follow up exploration. The contact hosting the Blind Zone stratigraphy was delineated over an approximate strike length of 2.5 kilometers through diamond drilling. The contact horizon remained open in all directions.

## **7. MAPPING AND GEOCHEMISTRY**

Four Sabina Gold & Silver Corp. personnel were deployed to the Company's Skinner Project from September 23 - October 7, 2016. The work program comprised mainly soil and rock sampling for gold assay and multielement geochemistry, locally supported with geological mapping, to advance a number of work areas.

### **Soil geochemistry**

One hundred thirty-two (132) B-horizon soil samples were collected at Skinner property, in the "rusty schist" (102 samples; 3.9 line-km) and "beaver dam" areas (29 samples; 0.9 line-km) (Figure 3). A single sample was taken near the southern margin of Skinner Property.

Samples averaged 380 grams, and were collected using a shovel, geo-tool, and trowel to get through the organic material and into the B-horizon. Samples were taken along or in some cases parallel to existing cut lines, at 25 or 50m spacing, typically at 15-20 cm depth. Where the organic material was too deep to permit B-horizon development or access, or where sampling was prohibited by high water table or underbrush, no sample was collected at the planned site, and a nearby suitable site was substituted if possible. Each sample site was marked using a Trimble Juno handheld GPS device.

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Sample preparation and analytical procedures are described in Section 8 of this report. Full results of soil geochemistry analyses can be found in map Appendices F-H, and in assay certificates (Appendix B).

A soil sampling program done by Sabina at Skinner Property in 2006 used the same sampling protocols as the 2016 program. Generally, results of the two programs compare well from line to line and sample to sample, in gold, copper, zinc, and other elements. Soil chemistry maps in Appendices F-H include results from both programs, to better illustrate property-scale soil geochemistry patterns.

### **Gold in soils**

A range of gold values in soil were returned from the 2016 soil sampling program, with only five samples below detection limit of 1 ppb Au. Seventy-five (75) samples, or about 61% of the 132-sample 2016 population, returned gold values at or below 3 ppb Au threshold; this was taken to mark the approximate upper limit of background gold level in soil at Skinner Property. Twenty-eight (28) samples, or about 21% of the 132-sample 2016 population, returned values above 5 ppb Au, which was considered anomalous.

In the Beaver Dam area of central Skinner Property (Figure 3), five soil samples taken by Sabina in 2006 on two adjacent sample lines returned values up to 900 ppb Au (see map Appendix F). Drillhole SK-09-12b targeted the anomaly by undercutting it, but did not return any significant gold values. Soil sampling in 2016 was done to the east and west of the 2006 sampling, in an effort to assess the robustness and to better define the extent of the anomaly, for potential future work.

### **Copper in soils**

Copper values were geographically distributed roughly parallel to the structural grain of regional geology (see map Appendix G). This is particularly evident when 2016 soil values are viewed together with 2006 results, yielding a property-scale dataset. Copper distribution in soils appears to be largely controlled by underlying bedrock. In particular, high copper values in soils correlate closely with the distribution of mapped or inferred gabbro on the Skinner Property.

## Zinc in soils

Zinc values were relatively high through most of the Rusty Schist area (see map Appendix H), which is consistent with observations of sphalerite in outcropping quartz veins. Gold mineralization is typically associated with quartz veins at Skinner, but a probability plot of distribution of gold values coloured by zinc values (Figure 4) shows no correlation between gold and zinc values, suggesting that within the current sample set, gold- and zinc-bearing veins represent separate populations.

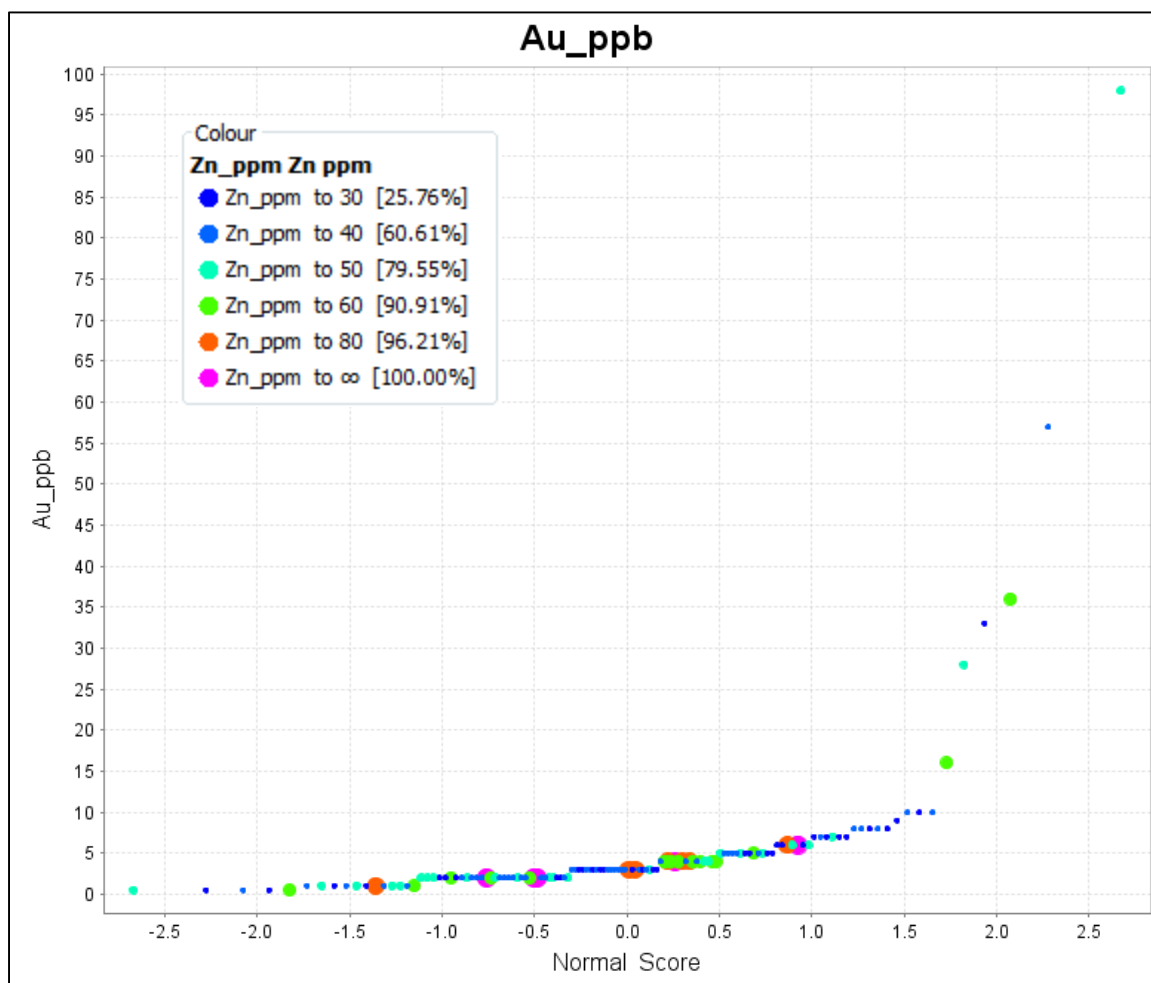


Figure 4. Probability plot of distribution of gold values in soil coloured by zinc values. There is no apparent correlation between gold and zinc values in the sample set.



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## Whole rock geochemistry

Thirteen rock samples were submitted for whole rock geochemistry: six taken from outcrop, and seven from historic drill core. The purpose of the analyses was to assess and compare compositions of rock samples taken from a number of locations across the project area. Sample preparation and analysis is detailed in Section 8.

A Jensen cation plot (Figure 5) shows that ultramafic rocks of komatiitic affinity are found at the Blind Zone and adjacent to the Trout Lake Batholith. Felsic dykes were included on the diagram as a generalized compositional indicator, confirming calc-alkaline affinity.

An alkaline-iron-magnesium (AFM) diagram of multielement data from volcanic rocks sampled in southern Skinner Property indicates tholeiitic character to the north of the interpreted unconformity, and calc-alkaline to the south (Figure 6). This change coincides with the position of the interpreted unconformity proposed in this report; however, additional sampling and mapping would be required to properly constrain the nature and position of the unconformity.

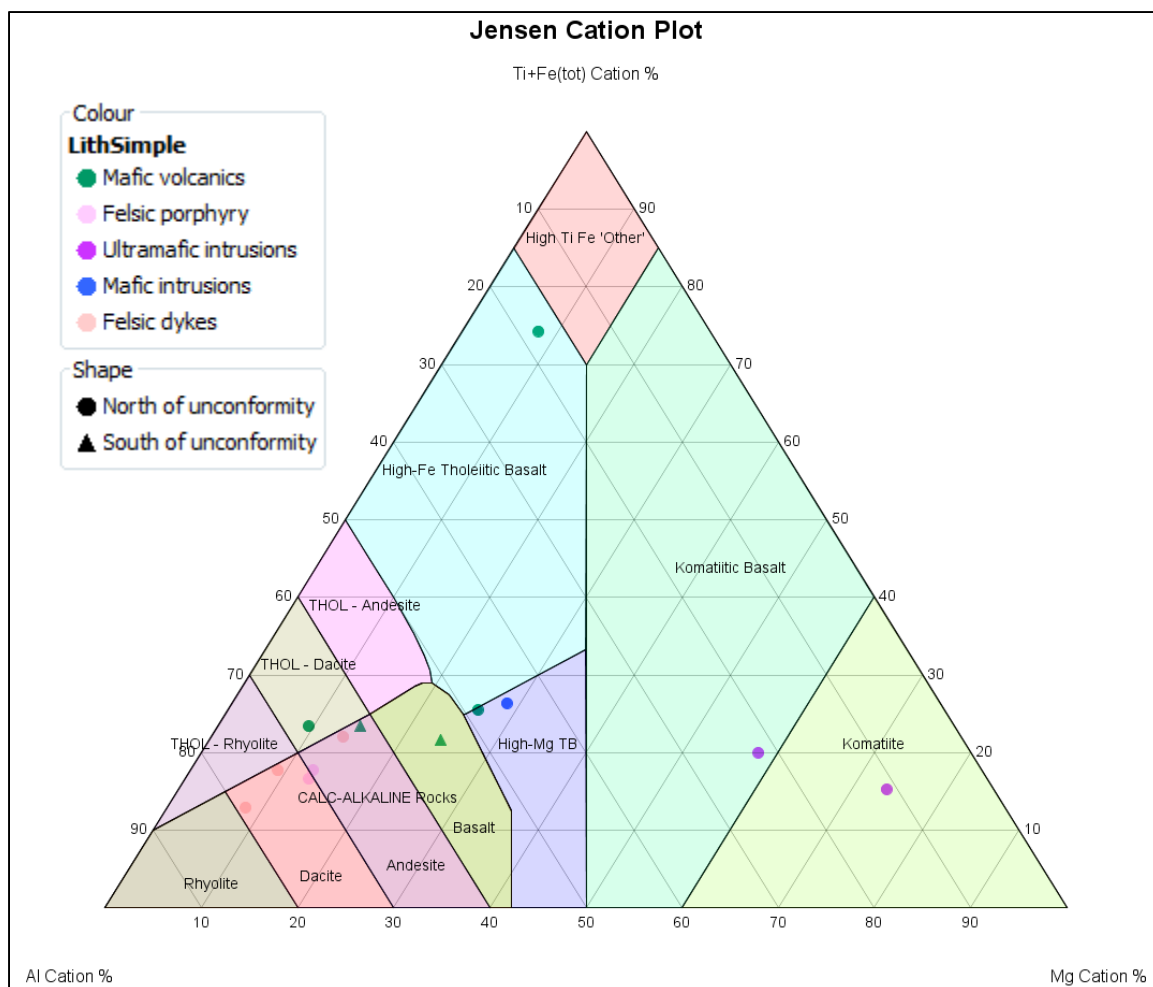


Figure 5. Jensen cation plot for 2016 Skinner Project whole rock geochemistry data. Jensen, 1976 from Using Geochemical Data, by Hugh Rollinson, 1993. Page 63.

## Trace Element Rock Geochemistry

Twenty-seven rock samples from across Skinner Project area were analyzed for gold by fire assay (AA finish) and for 52 trace element suite by ICP-MS or ICP-AES using a 4-acid digestion (see section 7 for further preparation and analysis details). Seven drill core samples that were submitted for whole rock analysis were also analyzed for trace elements, but were not assayed for gold because they were taken from core which had been previously assayed. Samples were selected by field geologists according to criteria including visible sulphide mineralization, indicators of alteration or veining, or proximity to geological features or areas of exploration interest.

Gold values returned from the 27 rock samples collected ranged from below detection limit (12 samples) to a high of 335 ppb Au. Six samples returned >100 ppb Au.

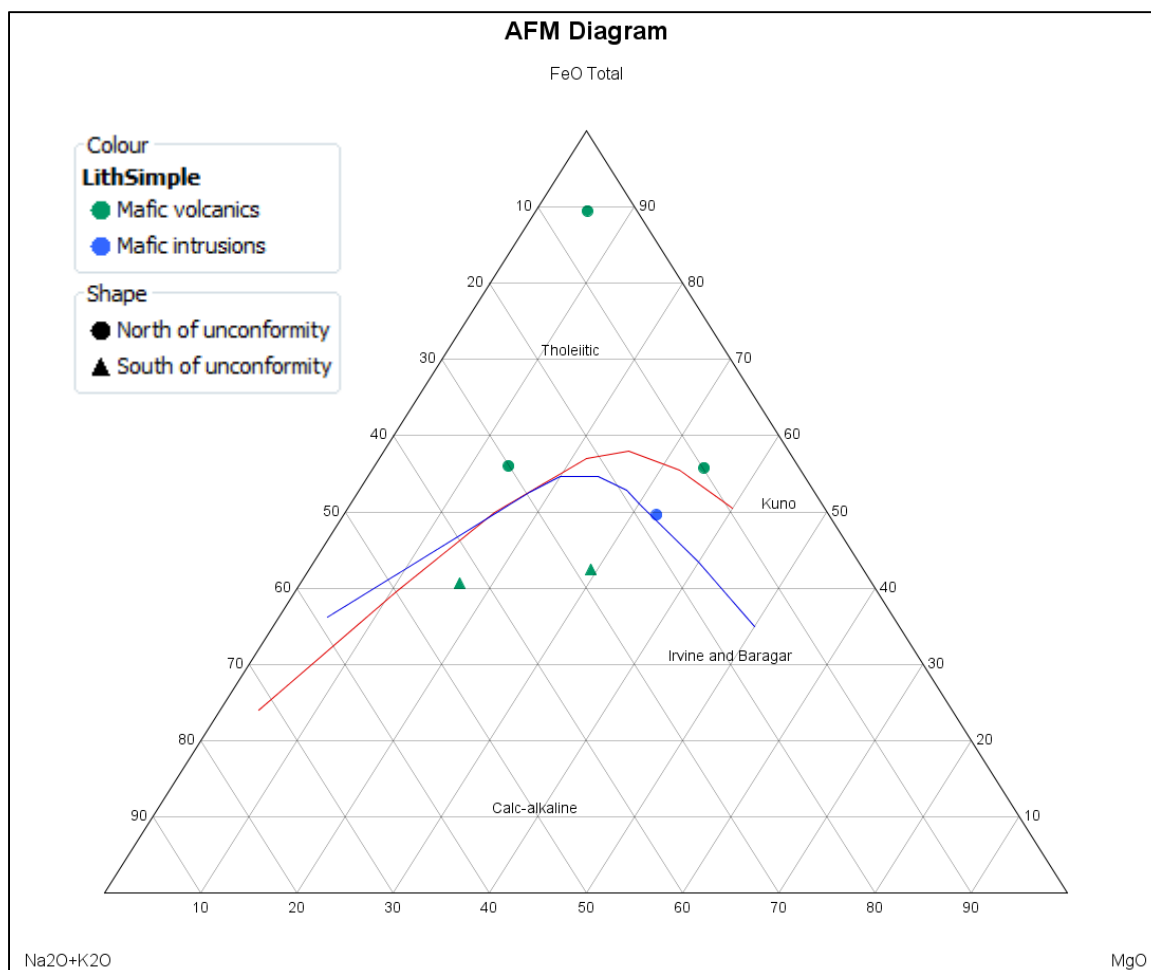


Figure 6. Alkali-iron-magnesium diagram illustrating volcanic rock sample affinities in southern Skinner Property. Curves after Irvine and Baragar (blue), 1971 and Kuno (red), 1968, from Rollinson, 1993, Using Geochemical Data, p75-76.

## Geological Mapping

### South Skinner area

The interpreted unconformity between the Balmer Assemblage and overlying Narrow Lake Assemblage strikes east to west along the southern part of the project area (Appendix D). A traverse across the interpreted unconformity was done to collect structural data and litho-geochemistry samples to aid in characterizing the feature and its potential relationship to observed sulphide mineralization along strike nearby. South of the interpreted feature, bedrock geology is characterized by fine-grained, well-bedded intermediate to felsic ash or crystal tuffs. To the north, most of the Skinner Project is underlain by basalt flows that are typically pillowed and variolitic. Gabbro occurs on both

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sides of the interpreted unconformity, although these may represent more than one intrusive event, and in some cases may alternatively be interpreted as coarse-grained basalt flows.

#### “Rusty Schist” area

The “rusty schist” is a poorly exposed interpreted curvilinear shear in the central part of the project area (Figure 3) that has seen some historical trenching and sampling, although little evidence of this remains beyond a few overgrown shallow depressions in the woods. There is very little outcrop in this area, precluding a thorough mapping effort, but outcrop and structural data were collected where possible to attempt to confirm and/or refine the geological interpretation and structural context of the feature. Structural data collected showed that compositional layering does fit the arcuate shape of the regionally interpreted “rusty schist” unit, supporting its geometry and the change from generally east-west to north-south regional strike that it shows.

## **8. SAMPLE PREPARATION, ANALYSIS AND SECURITY**

Sabina collected 27 rock samples, 7 drill core samples, and 132 soil samples. Rock and core samples averaged 1.5 kg and were packaged with a tear-off portion of the sample tag in labelled clear plastic bags. Soil samples averaged 380 grams and were packaged with a tear-off portion of the sample tag in labelled brown paper fold-over-top kraft bags. Soil samples were suspended by string or wire mesh for up to six days in an enclosed building.

In addition Sabina conducted a QA/QC program. Blank material and gold reference standards were each inserted at a frequency of one in 20 samples.

All samples were delivered in person to SGS Laboratories (SGS) in Red Lake, Ontario.

Rock and drill core samples were prepared in Red Lake by crushing the entire sample to 90% passing 2mm, then pulverizing 1000 grams to 85% passing 75 microns. The rock samples were then tested for gold by 50 gram Fire Assay with an AA finish in Red Lake. Subsamples of the rock and drill core samples were sent to SGS in Burnaby for ICP and Whole Rock determinations for select samples. Multi-element analysis was done with a

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4-acid digest and a combination of ICP-AES and ICP-MS determinations. Whole Rock analysis was done by lithium metaborate fusion and ICP-AES for 18 compounds.

Soil samples were shipped by SGS via Manitoulin to SGS in Burnaby, British Columbia. Soils were dried, screened to 180 microns and fines tested for gold by 50 gram Fire Assay with an ICP-AES finish. Subsamples of the soils were then tested for 52 elements with an Aqua Regia digest and a combination of ICP-AES and ICP-MS.

Assays and multi-element results were sent in csv format and accompanying signed PDF certificates via email to pre-approved Sabina staff. Results were evaluated for quality control prior to use in interpretations. Assay certificates are in Appendix B.

## **9. INTERPRETATION AND CONCLUSIONS**

Data collected in the field and results returned from the lab resulted in advances at each of the areas targeted by Sabina's 2016 work program at Skinner Project.

### **South Skinner area**

The Skinner Project area is predominantly underlain by pillow basalt and gabbro assigned to the Narrow Lake Assemblage (Pryslak 1986). An interpreted unconformity separates Narrow Lake basalt from thin-bedded intermediate tuff present along the southern and southwestern property margin, adjacent to the Trout Lake Batholith, which has been interpreted to represent the older Balmer Assemblage (McRoberts 2003).

Limited outcrop in the area of the interpreted unconformity is nonetheless sufficient to constrain its position fairly tightly. Compositional layering is consistently parallel to the interpreted unconformity (Appendix D), with small-scale open folding present only locally. Sulphide mineralization, locally semi-massive on a centimeter to tens of centimeter scale, was observed, hosted within basalt proximal to the interpreted position of the unconformity.

Observations made during the course of 2016 fieldwork, supported by GPS-based position recording, resulted in a northward shift of the interpreted position of the unconformity by up to 200 metres. Sulphide-mineralized rock samples taken near the unconformity returned no significant gold values. Multielement data returned from

samples near the unconformity will contribute to the characterization and potentially grouping of rock units.

## Beaver dam area

Soil samples taken adjacent to a soil anomaly previously recognized in the beaver dam area returned anomalous gold values. A number of these were high values, demonstrating that the soil gold anomaly is robust and can be replicated and extended. The core of the gold anomaly in soil is approximately 300m in length, oriented west-northwest. The anomaly may extend westward to as much as 800m in length, although wide line spacing in historic soil sampling data precludes robust interpretations of continuity (Figure 7).

Two rock samples taken in this area returned no significant gold values (Appendix D).

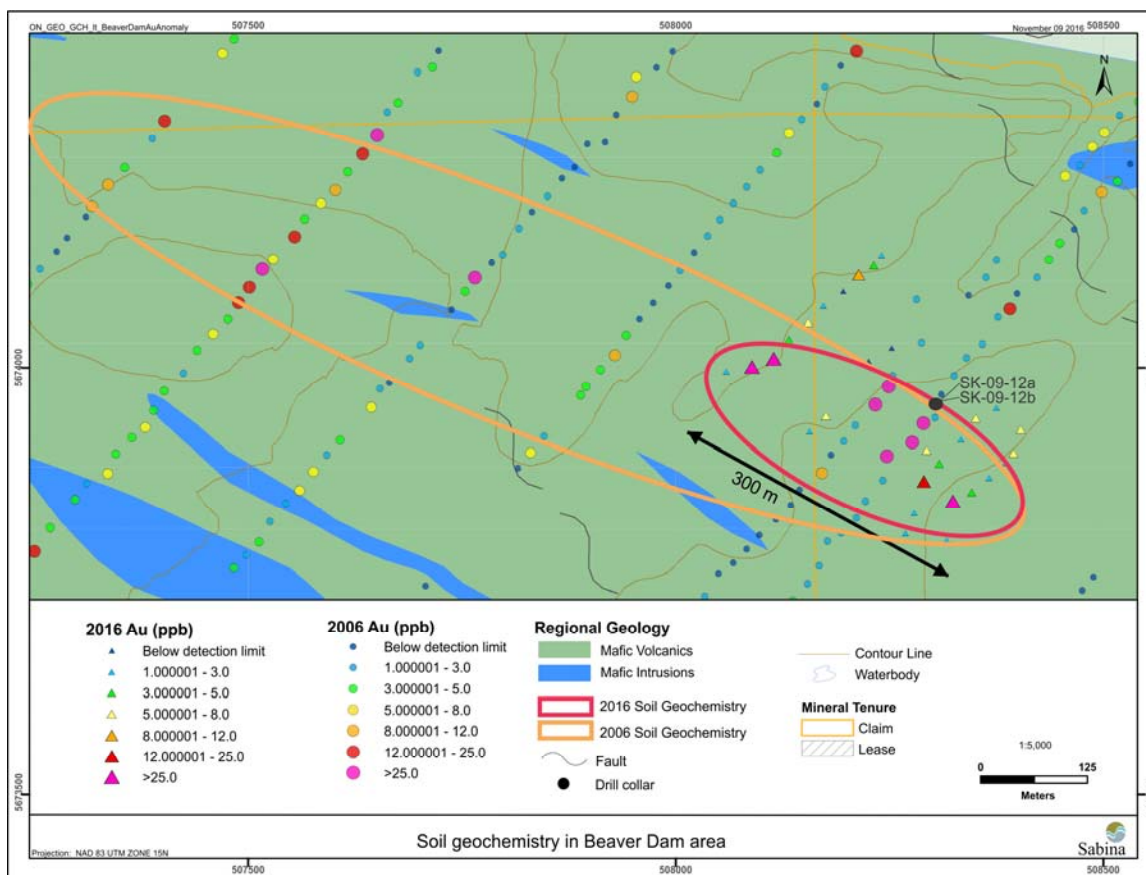


Figure 7. Anomalous gold values in soil geochemistry in the Beaver Dam area. The strongest part of the anomaly extends at least 300 m. Anomalous gold values continue to the west, either representing a single >800m long anomaly, or else a second anomaly.

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## Rusty schist area

Evidence of historical and recent sampling and trenching was observed at the eastern and western ends of the interpreted “rusty schist” feature. Limited available outcrop nonetheless yielded structural measurements and observations that support the existence and geometry of the feature, which appeared to be a sheared mafic volcanic rock with narrow but gradational contacts with adjacent pillow basalt. A quartz-feldspar porphyry dyke appears to intrude this shear zone, although contacts were not observed. Quartz veining occurs locally with trace sulphide mineralization, including sphalerite. An outcrop of sheared mafic volcanic rock ~165m east of the interpreted rusty schist unit suggests the potential for multiple parallel shear features, rather than a single zone. Samples of felsic dyke and sheared basalt taken from the western end of the rusty schist, containing small amounts of pyrite and trace arsenopyrite, returned values of 245 ppb and 335 ppb Au, respectively (Appendix F). Samples of weakly sheared and sulphide mineralized pillow basalt at the eastern end of the rusty schist returned values of 170 ppm, 200 ppm, and 250 ppm Au. The distribution of gold-mineralized rock samples supports the prospectivity of the rusty schist as a host or controlling feature of gold mineralization in the area.

Soil sampling across the rusty schist was done across the eastern and western ends of the feature. Values of 98 ppb and 36 ppb Au were returned from samples at the western and eastern ends, respectively (Figure 8). In both cases, these high Au values in soil were returned from sites proximal to the best Au-mineralized rock samples, supporting correlation of soil geochemistry with underlying bedrock geochemistry. Generally, gold values above detection limit appear to follow the trend of the rusty schist interpretation.

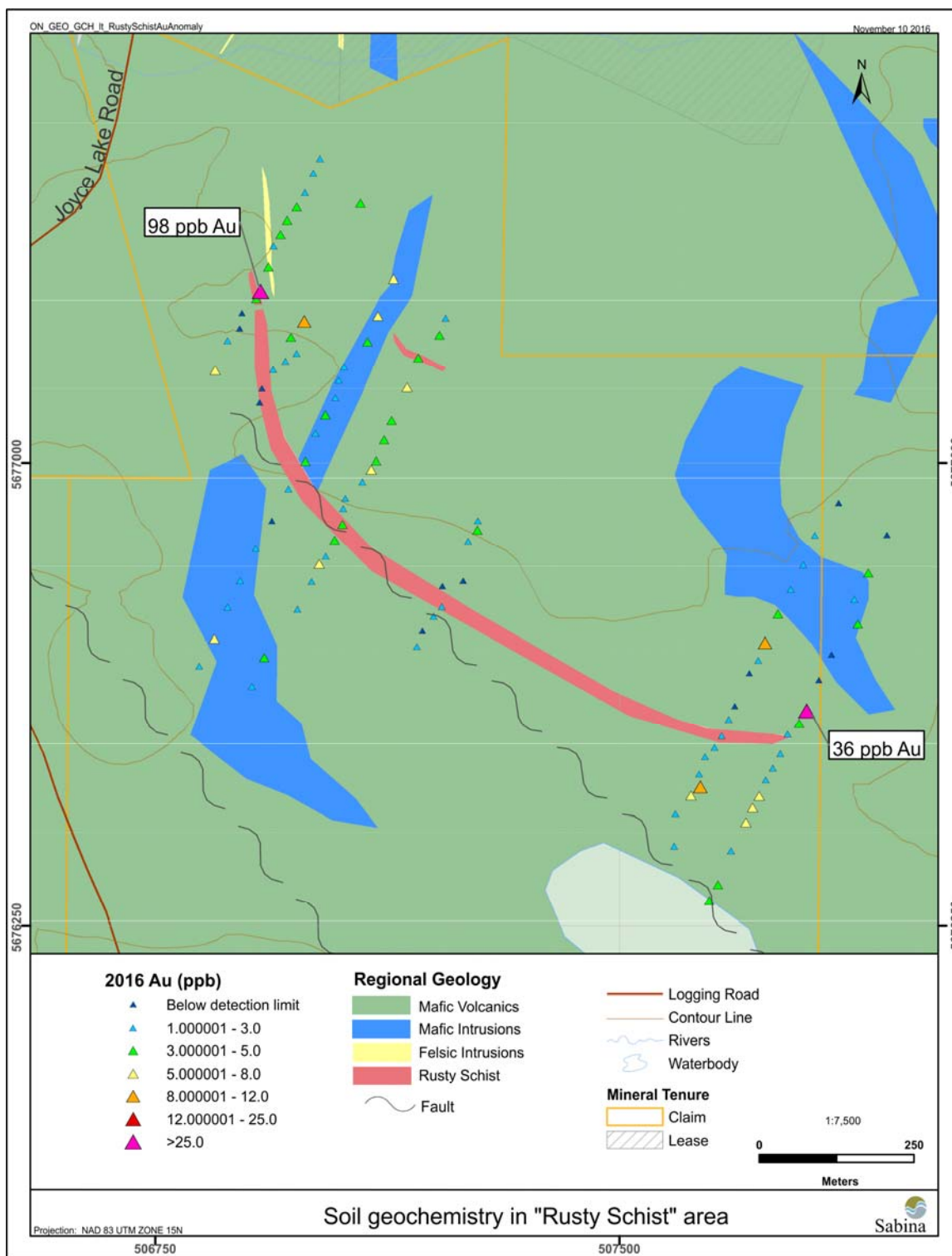


Figure 8. Gold in soil geochemistry in the "Rusty Schist" area. Anomalous gold values occur near the interpreted trace of the "rusty schist" horizon.



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## Other sampling areas

Lithogeochemical data collected from ultramafic and mafic units in outcrop and drill core contribute to a geochemistry database that can be used to characterize stratigraphy and intrusive units, and to assess alteration and mineralization, regionally.

### **10.RECOMMENDATIONS**

As a result of observations and data collected over the course of the 2016 field program, a number of recommendations can be made for follow-up work to continue to advance exploration at the Skinner Project.

1. The gold in soil anomaly in the beaver dam area has been shown to be a robust feature that has a significant strike length in soil samples. Given the magnitudes of gold values, and the consistency of the trend, this anomaly clearly merits additional work. Further soil sampling and trenching, potentially leading to diamond drilling, are recommended.
2. Anomalous gold in both rock and soil samples was recorded in the “rusty schist” area. Structural observations support the interpreted geometry and position of the feature. Given its position along strike from the Bathurst Mine, which has similar geology, the “rusty schist” continues to be a priority exploration target area. Further soil sampling along the central schist is recommended, as well as additional trenching to enable more sampling and data collection in this poorly-exposed area.
3. The unconformity between the Balmer and Narrow Lake assemblages, while not demonstrably mineralized at areas examined to date, is nonetheless correlative with an important exploration feature in the Red Lake area. Detailed mapping and geochemistry could be applied along this trend, from Narrow Lake all the way to the Trout Lake Batholith to the west, to better characterize the unconformity and any variation in it or the two assemblages that may occur along its >3 km extent on the Property.

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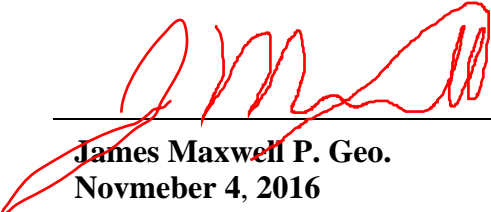
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## 12. CERTIFICATE OF QUALIFICATION

**I, James Clerk Maxwell of the City of Thunder Bay, Ontario, do certify that:**

- 1) I am a graduate of the University of Manitoba (B.Sc. 2004) in geological sciences;
- 2) I have practiced my profession continuously for 12 years since my graduation from the University of Manitoba;
- 3) The information presented herein is based on literature research and field observations made and/or supervised by myself;
- 4) I have disclosed all relevant material, descriptive and interpretive, which is to the best of my knowledge, necessary to gain a complete understanding of the viability of the project and recommendations.



---

**James Maxwell P. Geo.**  
**Novmeber 4, 2016**

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**APPENDIX A**  
**Field Personnel List**

Angus Campbell P. Geo – Geologist – Sept 26 – Oct 7

Kaesy Gladwin P. Geo – Geologist – Sept 26 – Oct 7

Nicole Lasanen P. Geo – Geologist – Sept 25 – Oct 7

James Maxwell P. Geo – Geologist – Sept 23 – Oct 7

# **APPENDIX B**

## **Analysis Certificates**

# **APPENDIX B1**

## **Soil Analysis Certificates**



**Certificate of Analysis**  
**Work Order : VC163242**  
**[Report File No.: 0000019587]**

Date: October 26, 2016

To: **Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
375-555 BARRARD STREET  
VANCOUVER BC V7X 1M9

P.O. No.: Skinner\_01 Flagging Orange  
Project No.: SKINNER  
Samples: 74  
Received: Oct 12, 2016  
Pages: Page 1 to 4  
(Inclusive of Cover Sheet)


**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
74	G_LOG02	Pre-preparation processing, sorting, logging, boxing
74	G_WGH79	Weighing of samples and reporting of weights
74	GE_FAI515	@Au, Pt, Pd, FAS, ICP-AES, 50g - 5ml

**Storage: Pulp & Reject**

REJECT STORAGE : DISCARD  
PULP STORAGE : DISCARD

Certified By : \_\_\_\_\_

  
John Chiang  
QC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Au@ GE_FAI515 1 ppb
365051	0.350	1
365052	0.365	1
365053	0.660	4
365054	0.375	2
365055	0.420	5
365056	0.405	<1
365057	0.465	1
365058	0.425	2
365059	0.375	2
365060	0.340	6
365061	0.430	3
365062	0.365	5
365063	0.435	10
365064	0.365	2
365065	0.085	352
365066	0.465	1
365067	0.400	1
365068	0.475	2
365069	0.500	2
365070	0.380	2
365071	0.625	2
365072	0.490	2
365073	0.375	<1
365074	0.420	1
365075	0.560	3
365076	0.425	1
365077	0.420	7
365078	0.470	<1
365079	0.515	1
365080	0.335	2
365081	0.515	5
365082	0.400	2
365083	0.515	9
365084	0.550	<1
365085	0.085	>10000
365086	0.525	2
365087	0.530	6
365088	0.590	5
365089	0.470	33
365090	0.510	57

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Au@ GE_FAI515 1 ppb
365091	0.565	2
365092	0.510	3
365093	0.570	6
365351	0.325	4
365352	0.330	5
365353	0.300	4
365354	0.285	6
365355	0.235	4
365356	0.305	2
365357	0.205	7
365358	0.400	6
365359	0.275	5
365360	0.400	4
365361	0.275	2
365362	0.295	2
365363	0.325	4
365364	0.205	5
365365	0.085	>10000
365366	0.275	10
365367	0.290	4
365368	0.245	3
365369	0.390	3
365370	0.360	3
365371	0.320	1
365372	0.260	1
365373	0.310	8
365374	0.360	3
365375	0.295	1
365376	0.250	<1
365377	0.200	36
365378	0.225	4
365379	0.275	2
365380	0.460	1
365381	0.235	2
*Rep 365092		3
*Std OXB130		119
*Std OXH97		1240
*Std OREAS214		3010
*Std OXN117		7440
*Blk BLANK		<1

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Report File No.: 0000019587

Element	Au@
Method	GE_FAI515
Det.Lim.	1
Units	ppb
*Blk BLANK	2
*Rep 365083	6
*Rep 365368	2

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**Certificate of Analysis**  
**Work Order : VC163243**  
**[Report File No.: 0000019642]**

**Date:** October 28, 2016

**To: Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
375-555 BURRARD STREET  
VANCOUVER BC V7X 1M9

**P.O. No.:** Skinner\_01 Flagging Orange  
**Project No.:** SKINNER  
**Samples:** 72  
**Received:** Oct 12, 2016  
**Pages:** Page 1 to 4  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
72	G_LOG02	Pre-preparation processing, sorting, logging, boxing
72	G_WGH79	Weighing of samples and reporting of weights
72	GE_FAI515	@Au, Pt, Pd, FAS, ICP-AES, 50g - 5ml


**Storage: Pulp & Reject**

REJECT STORAGE : DISCARD  
PULP STORAGE : DISCARD

**Comments:**

Samples may have coarse gold.

Certified By : \_\_\_\_\_

  
John Chiang  
QC Chemist

***SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>***

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Au@ GE_FAI515 1 ppb
365382	0.410	3
365383	0.270	2
365384	0.335	7
365385	0.085	317
365386	0.270	6
365387	0.450	8
365388	0.275	3
365389	0.265	4
365390	0.195	5
365391	0.300	2
365392	0.210	2
365393	0.185	7
365394	0.395	10
365395	0.340	3
365396	0.265	4
365397	0.280	2
365398	0.285	3
365399	0.295	2
365400	0.415	1
365451	0.350	8
365452	0.430	3
365453	0.360	2
365454	0.445	3
365455	0.360	5
365456	0.315	4
365457	0.415	3
365458	0.440	8
365459	0.405	3
365460	0.425	2
365461	0.455	2
365462	0.440	5
365463	0.385	3
365464	0.470	3
365465	0.080	368
365466	0.440	7
365467	0.425	3
365468	0.360	3
365469	0.485	2
365470	0.465	1
365471	0.540	2

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Element Method Det.Lim. Units	WtKg G_WGH79 0.01 kg	Au@ GE_FAI515 1 ppb
365472	0.475	4
365473	0.565	2
365474	0.490	4
365475	0.385	3
365476	0.375	4
365477	0.480	3
365478	0.405	3
365479	0.355	2
365480	0.440	2
365481	0.340	4
365482	0.425	5
365483	0.375	4
365484	0.415	2
365485	0.090	>10000
365486	0.545	4
365487	0.470	98
365488	0.350	6
365489	0.305	5
365490	0.300	16
365491	0.345	2
365492	0.390	2
365493	0.275	3
365494	0.435	28
365495	0.330	5
365496	0.290	2
365497	0.300	3
365498	0.320	8
365499	0.295	6
365500	0.510	14
A00334321	0.285	3
A00334322	0.435	7
A00334323	0.365	2
*Rep 365457		3
*Std OXB130		132
*Std OXH97		1270
*Std OREAS214		3010
*Std OXN117		7870
*Blk BLANK		1
*Blk BLANK		1
*Rep 365384		2

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Report File No.: 0000019642

Element	Au@
Method	GE_FAI515
Det.Lim.	1
Units	ppb
*Rep 365473	1
*Rep 365384	18

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**Certificate of Analysis**  
**Work Order : VC163244**  
**[Report File No.: 0000019589]**

Date: October 26, 2016

To: **Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
375-555 BURRARD STREET  
VANCOUVER BC V7X 1M9

P.O. No.: Skinner\_01 Flagging Orange  
Project No.: SKINNER  
Samples: 51  
Received: Oct 12, 2016  
Pages: Page 1 to 15  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
49	GE_IC14A	Aqua Regia digestion/ICP-AES finish
49	GE_IC14M	Aqua Regia digestion/ICP-MS finish

**Comments:**

Boron values are informational only.

Certified By :

John Chiang  
QC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	@Ag	@Al	@B	@Ba	@Ca	@Cr	@Cu	@Fe
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.01 %	10 ppm	5 ppm	0.01 %	1 ppm	0.5 ppm	0.01 %
365051	<0.01	1.43	<10	37	0.27	44	23.9	2.17
365052	0.02	2.25	<10	54	0.15	72	45.7	2.64
365053	0.02	1.64	<10	33	0.36	92	63.0	3.00
365054	<0.01	2.36	<10	54	0.22	110	52.6	3.50
365055	0.06	1.75	<10	92	0.60	50	17.1	2.38
365056	0.06	1.65	<10	41	0.20	65	16.7	2.70
365057	0.03	0.84	<10	29	0.34	31	9.3	1.45
365058	<0.01	1.98	<10	60	0.24	83	30.9	3.45
365059	0.03	1.62	<10	80	0.55	48	17.6	2.44
365060	0.04	0.90	<10	26	0.15	29	11.9	2.48
365061	0.04	1.25	<10	33	0.14	54	30.2	2.44
365062	0.05	1.49	<10	70	0.51	47	19.8	2.29
365063	0.07	2.08	<10	59	0.17	61	27.5	3.26
365064	0.08	1.07	<10	26	0.12	70	11.2	2.58
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	0.04	1.54	<10	71	0.64	49	28.4	2.43
365067	0.03	1.63	<10	78	0.62	51	17.3	2.45
365068	<0.01	1.10	<10	20	0.22	77	33.4	2.18
365069	0.05	1.45	<10	49	0.37	49	14.3	2.24
365070	0.01	0.77	<10	22	0.12	52	14.6	1.18
365071	0.02	1.79	<10	40	0.26	71	45.4	2.07
365072	0.09	1.84	<10	67	0.22	91	36.9	3.74
365073	0.04	0.86	<10	26	0.15	29	3.1	1.39
365074	0.03	1.56	<10	33	0.27	51	12.6	2.40
365075	0.06	1.62	<10	45	0.26	50	13.7	2.41
365076	0.05	2.12	<10	50	0.48	31	65.0	4.74
365077	0.09	1.36	<10	28	0.15	73	11.7	2.00
365078	0.04	1.80	<10	57	0.29	47	11.6	2.25
365079	0.02	1.54	<10	44	0.34	60	15.0	2.22
365080	0.02	0.74	<10	20	0.14	18	8.5	1.54
365081	0.06	1.60	<10	75	0.46	41	11.3	1.99
365082	0.03	1.55	<10	64	0.49	46	19.1	2.33
365083	0.02	1.57	<10	41	0.17	134	23.6	2.59
365084	0.02	1.02	<10	34	0.25	30	5.4	1.40
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	0.05	1.41	<10	68	0.44	43	14.0	1.99
365087	0.01	1.02	<10	34	0.36	35	9.0	1.57
365088	0.02	1.70	<10	63	0.36	108	21.5	2.53
365089	0.01	1.96	<10	43	0.13	183	59.0	2.89
365090	0.05	1.74	<10	49	0.14	150	27.0	2.37

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Element Method Det.Lim. Units	@Ag	@Al	@B	@Ba	@Ca	@Cr	@Cu	@Fe
	GE_ICM14B 0.01 ppm	GE_ICM14B 0.01 %	GE_ICM14B 10 ppm	GE_ICM14B 5 ppm	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.5 ppm	GE_ICM14B 0.01 %
365091	0.01	1.95	<10	61	0.24	69	20.4	2.40
365092	0.02	1.36	<10	38	0.19	103	21.6	2.44
365093	0.03	1.34	<10	40	0.22	92	17.1	2.19
365351	0.13	1.85	<10	89	0.50	64	35.1	2.99
365352	0.03	1.36	<10	27	0.19	70	35.4	3.08
365353	0.03	1.96	<10	54	0.20	88	49.1	3.42
365354	0.20	2.70	<10	197	0.95	197	555	4.46
365355	0.13	2.20	<10	66	0.31	79	60.4	3.35
365356	0.05	2.60	<10	57	0.46	121	196	4.60
365357	0.05	1.56	<10	54	0.27	67	133	3.82
365358	0.03	2.41	<10	56	0.26	107	57.3	3.70
*Rep 365062	0.06	1.66	<10	75	0.56	49	21.2	2.53
*Rep 365081	0.05	1.58	<10	74	0.45	41	11.9	1.96
*Rep 365353	0.04	1.94	<10	51	0.20	84	48.2	3.42
*Std OREAS200	0.08	0.96	<10	95	0.98	43	101	4.85
*Std OREAS902	0.29	0.51	<10	20	4.10	24	3230	2.95
*Blk BLANK	<0.01	<0.01	<10	<5	<0.01	<1	<0.5	<0.01
*Blk BLANK	<0.01	<0.01	<10	<5	<0.01	<1	<0.5	<0.01

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	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.01 %	GE_ICM14B 2 ppm	GE_ICM14B 0.01 %	GE_ICM14B 0.5 ppm	GE_ICM14B 0.005 %	GE_ICM14B 0.01 %
365051	0.05	15	0.65	222	0.02	23.0	0.017	<0.01
365052	0.04	17	0.60	183	0.02	37.4	0.023	0.01
365053	0.06	12	0.99	302	0.02	53.5	0.051	<0.01
365054	0.03	21	1.11	277	0.02	58.3	0.022	0.01
365055	0.14	22	0.74	379	0.03	29.0	0.045	0.01
365056	0.04	16	0.72	224	0.02	26.6	0.027	0.01
365057	0.04	10	0.44	193	0.02	15.9	0.046	<0.01
365058	0.05	22	0.86	279	0.01	43.2	0.037	0.01
365059	0.12	19	0.77	350	0.03	27.0	0.062	<0.01
365060	0.02	8	0.20	130	0.01	12.1	0.057	<0.01
365061	0.04	12	0.54	161	0.01	23.3	0.026	0.01
365062	0.10	18	0.73	298	0.03	27.7	0.058	<0.01
365063	0.04	22	0.65	210	0.02	34.8	0.038	0.01
365064	0.03	7	0.48	149	0.01	22.4	0.033	<0.01
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	0.09	19	0.76	337	0.03	27.7	0.055	<0.01
365067	0.08	22	0.69	272	0.03	28.7	0.017	0.01
365068	0.02	7	0.55	183	0.01	39.2	0.049	<0.01
365069	0.09	16	0.68	239	0.03	26.7	0.031	0.01
365070	0.02	3	0.36	89	0.01	17.7	0.011	0.01
365071	0.04	13	0.64	171	0.02	40.1	0.043	0.01
365072	0.06	18	0.89	283	0.02	40.6	0.033	<0.01
365073	0.03	9	0.33	144	0.02	12.5	0.014	<0.01
365074	0.07	15	0.62	203	0.02	25.2	0.030	<0.01
365075	0.07	15	0.62	223	0.02	25.2	0.028	<0.01
365076	0.05	6	1.05	358	0.02	30.8	0.048	0.03
365077	0.04	18	0.53	130	0.01	34.4	0.019	0.01
365078	0.06	19	0.64	201	0.03	24.9	0.013	<0.01
365079	0.06	18	0.70	287	0.03	26.9	0.019	<0.01
365080	0.02	7	0.19	107	0.01	10.3	0.045	<0.01
365081	0.10	18	0.57	294	0.02	21.9	0.021	<0.01
365082	0.10	18	0.74	328	0.03	24.4	0.045	<0.01
365083	0.05	14	0.68	174	0.02	47.4	0.037	0.01
365084	0.06	13	0.43	166	0.02	14.5	0.010	<0.01
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	0.09	17	0.64	335	0.03	23.6	0.021	<0.01
365087	0.05	12	0.49	188	0.02	16.5	0.051	<0.01
365088	0.06	17	0.85	301	0.02	39.8	0.029	<0.01
365089	0.02	14	0.71	194	0.01	75.1	0.034	0.01
365090	0.03	16	0.67	177	0.02	55.2	0.024	<0.01

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Element Method Det.Lim. Units	@K	@Li	@Mg	@Mn	@Na	@Ni	@P	@S
	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.01 %	GE_ICM14B 2 ppm	GE_ICM14B 0.01 %	GE_ICM14B 0.5 ppm	GE_ICM14B 0.005 %	GE_ICM14B 0.01 %
365091	0.06	15	0.66	206	0.02	33.4	0.037	<0.01
365092	0.03	14	0.55	189	0.01	35.6	0.034	<0.01
365093	0.04	14	0.65	218	0.02	33.0	0.020	<0.01
365351	0.11	24	0.95	554	0.02	34.6	0.023	0.02
365352	0.05	12	0.68	186	0.02	31.3	0.014	<0.01
365353	0.04	19	0.75	261	0.01	40.3	0.040	<0.01
365354	0.13	35	0.90	505	0.02	107	0.037	0.03
365355	0.08	29	1.12	296	0.02	52.4	0.056	0.01
365356	0.04	33	1.25	338	0.02	67.9	0.020	<0.01
365357	0.03	20	0.66	203	0.02	41.7	0.024	0.02
365358	0.05	23	0.87	263	0.02	56.5	0.064	0.02
*Rep 365062	0.11	20	0.80	323	0.03	28.6	0.060	<0.01
*Rep 365081	0.10	17	0.57	286	0.02	21.9	0.023	<0.01
*Rep 365353	0.04	19	0.74	259	0.01	38.3	0.038	0.01
*Std OREAS200	0.12	6	2.14	878	0.19	109	0.140	0.28
*Std OREAS902	0.28	3	2.28	456	0.02	150	0.064	1.83
*Blk BLANK	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01
*Blk BLANK	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01

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Element Method Det.Lim. Units	@Sr	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.5 ppm	0.01 %	1 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.02 ppm
365051	16.6	0.13	42	36	8.8	3	0.3	0.08
365052	11.6	0.13	49	44	9.5	7	0.4	0.11
365053	20.5	0.12	48	40	9.5	12	0.3	0.09
365054	21.8	0.14	56	48	10.8	11	0.4	0.09
365055	24.9	0.14	46	45	8.3	4	0.5	0.14
365056	17.1	0.13	48	41	5.5	7	0.2	0.10
365057	16.0	0.10	29	24	6.5	2	0.2	0.05
365058	17.2	0.13	56	47	8.7	15	0.3	0.11
365059	23.0	0.14	45	42	12.1	3	0.4	0.11
365060	8.1	0.08	42	20	5.6	7	0.2	0.09
365061	11.7	0.13	51	35	3.3	9	0.2	0.12
365062	22.9	0.13	43	40	13.1	3	0.4	0.11
365063	14.6	0.13	49	40	8.3	12	0.3	0.11
365064	10.3	0.15	61	28	3.7	12	<0.1	0.13
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	25.6	0.15	46	40	12.1	4	0.4	0.10
365067	23.5	0.13	43	44	5.6	4	0.3	0.11
365068	11.6	0.09	34	22	6.9	9	0.2	0.05
365069	18.9	0.14	43	52	8.1	3	0.3	0.09
365070	8.8	0.10	32	20	2.7	5	<0.1	0.09
365071	14.6	0.10	36	37	7.1	6	0.3	0.07
365072	15.4	0.19	71	46	6.5	12	0.3	0.13
365073	9.1	0.10	30	30	3.6	4	0.1	0.08
365074	16.8	0.13	39	30	10.0	5	0.2	0.09
365075	17.0	0.13	41	33	6.3	5	0.3	0.09
365076	15.5	0.46	106	62	2.8	4	0.1	0.12
365077	9.6	0.12	45	28	2.5	7	0.1	0.12
365078	19.5	0.14	43	36	8.9	3	0.3	0.09
365079	19.0	0.14	42	36	6.0	3	0.3	0.09
365080	7.9	0.08	26	16	5.2	6	0.2	0.06
365081	18.8	0.13	42	36	11.1	4	0.3	0.12
365082	21.9	0.14	46	38	11.1	2	0.4	0.10
365083	9.5	0.09	47	25	3.7	15	0.3	0.09
365084	15.1	0.12	31	27	5.0	1	0.2	0.07
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	20.5	0.14	41	39	8.2	3	0.3	0.10
365087	17.5	0.11	33	24	8.6	2	0.2	0.07
365088	20.7	0.12	49	33	7.7	6	0.4	0.09
365089	8.9	0.11	48	24	7.2	26	0.4	0.09
365090	10.3	0.09	46	34	4.4	9	0.2	0.07

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Element Method Det.Lim. Units	@Sr	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.5 ppm	0.01 %	1 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.02 ppm
365091	14.1	0.12	42	32	9.6	6	0.3	0.09
365092	9.9	0.10	46	25	3.9	15	0.2	0.10
365093	11.9	0.11	47	30	3.5	8	0.2	0.09
365351	19.9	0.17	55	56	4.5	5	0.2	0.13
365352	13.2	0.17	56	34	8.0	12	0.2	0.12
365353	13.4	0.17	62	64	8.9	10	0.3	0.10
365354	36.1	0.17	77	65	3.7	11	0.5	0.15
365355	21.2	0.17	59	55	10.9	14	0.2	0.12
365356	13.1	0.30	68	100	5.4	9	0.4	0.06
365357	16.5	0.20	73	32	5.3	17	0.3	0.17
365358	16.7	0.16	59	44	11.7	16	0.3	0.12
*Rep 365062	26.3	0.15	45	43	13.9	4	0.4	0.11
*Rep 365081	17.6	0.12	40	36	10.9	4	0.4	0.12
*Rep 365353	13.5	0.16	58	64	8.6	10	0.3	0.10
*Std OREAS200	52.2	0.18	34	65	30.5	202	0.3	0.05
*Std OREAS902	20.9	<0.01	9	6	14.3	587	1.0	8.20
*Blk BLANK	<0.5	<0.01	<1	<1	<0.5	<1	<0.1	<0.02
*Blk BLANK	<0.5	<0.01	<1	<1	<0.5	<1	<0.1	<0.02

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Element Method Det.Lim. Units	@Cd	@Ce	@Co	@Cs	@Ga	@Ge	@Hf	@Hg
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.05 ppm	0.1 ppm	0.05 ppm	0.1 ppm	0.1 ppm	0.05 ppm	0.01 ppm
365051	0.02	33.9	7.9	0.85	4.9	<0.1	0.16	<0.01
365052	0.06	24.0	10.8	1.20	7.0	<0.1	0.20	0.03
365053	0.04	48.3	15.4	0.88	4.8	<0.1	0.16	<0.01
365054	0.03	27.6	17.9	1.11	6.4	<0.1	0.21	0.02
365055	0.04	53.7	9.5	1.53	6.4	0.1	0.15	0.03
365056	0.05	15.7	10.4	0.94	6.1	<0.1	0.09	0.02
365057	0.02	26.3	5.3	0.66	3.2	<0.1	0.10	0.01
365058	0.06	23.1	19.9	1.08	6.2	<0.1	0.17	0.02
365059	0.01	46.2	8.8	1.24	5.7	0.1	0.20	0.02
365060	0.04	20.7	6.0	0.50	3.1	<0.1	0.12	<0.01
365061	0.07	13.6	7.7	1.18	7.3	<0.1	<0.05	0.02
365062	0.02	48.0	9.1	1.22	5.7	<0.1	0.23	0.02
365063	0.06	19.4	13.2	1.39	6.5	<0.1	0.18	0.03
365064	0.05	14.2	6.7	0.68	7.7	<0.1	<0.05	<0.01
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	0.03	47.2	10.1	1.11	5.8	<0.1	0.22	0.02
365067	0.07	36.9	9.7	1.03	5.8	<0.1	0.08	<0.01
365068	0.03	24.8	10.7	0.40	2.9	<0.1	0.11	<0.01
365069	0.28	34.6	8.3	1.07	5.2	<0.1	0.13	0.02
365070	0.08	13.1	4.2	0.53	5.4	<0.1	<0.05	0.02
365071	0.02	20.0	11.1	0.98	4.6	<0.1	0.13	<0.01
365072	0.05	15.9	13.8	1.44	7.2	<0.1	0.10	<0.01
365073	0.05	13.4	4.6	0.72	4.4	<0.1	<0.05	0.02
365074	0.06	25.6	8.7	0.89	4.7	<0.1	0.25	<0.01
365075	0.08	22.7	9.1	1.04	5.2	<0.1	0.11	<0.01
365076	0.11	9.85	16.1	0.52	13.8	<0.1	<0.05	0.02
365077	0.04	11.4	8.2	0.74	6.0	<0.1	<0.05	0.02
365078	0.03	35.0	8.9	1.15	5.7	<0.1	0.17	<0.01
365079	0.04	30.3	9.4	1.18	5.4	<0.1	0.09	0.01
365080	0.04	19.5	4.8	0.40	2.4	<0.1	0.12	0.01
365081	<0.01	31.1	7.1	1.22	5.3	<0.1	0.21	0.01
365082	0.01	49.3	8.6	1.22	5.6	<0.1	0.18	<0.01
365083	0.03	18.5	10.8	0.88	4.7	<0.1	<0.05	<0.01
365084	0.02	23.4	5.3	0.93	4.0	<0.1	0.08	<0.01
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	0.03	40.3	8.1	1.19	5.2	<0.1	0.14	<0.01
365087	0.01	33.7	5.4	0.75	3.8	<0.1	0.15	<0.01
365088	0.02	37.0	11.4	1.05	5.3	<0.1	0.13	<0.01
365089	0.04	19.0	20.5	0.83	3.8	<0.1	0.14	0.03
365090	0.07	13.4	13.5	1.07	4.8	<0.1	0.07	0.02

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Element Method Det.Lim. Units	@Cd	@Ce	@Co	@Cs	@Ga	@Ge	@Hf	@Hg
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01	0.05	0.1	0.05	0.1	0.1	0.05	0.01
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
365091	0.03	28.0	10.4	1.06	5.4	<0.1	0.20	<0.01
365092	0.05	14.0	11.0	0.81	4.6	<0.1	0.06	<0.01
365093	0.04	14.8	9.8	0.96	5.0	<0.1	<0.05	<0.01
365351	0.10	20.4	14.9	2.70	6.9	<0.1	0.06	<0.01
365352	0.06	15.2	9.8	1.09	5.8	<0.1	0.18	<0.01
365353	0.07	13.1	14.2	1.49	6.4	<0.1	0.19	0.03
365354	0.14	38.8	28.3	3.72	8.8	0.1	0.05	0.02
365355	0.08	16.7	14.3	1.97	7.2	<0.1	0.20	0.02
365356	0.24	16.6	24.9	1.36	6.3	<0.1	0.12	<0.01
365357	0.09	15.8	13.1	1.38	7.3	<0.1	0.09	0.02
365358	0.05	23.6	17.4	1.33	6.4	<0.1	0.28	0.02
*Rep 365062	0.02	49.7	9.4	1.29	6.0	<0.1	0.24	0.01
*Rep 365081	0.01	30.9	7.2	1.24	5.2	<0.1	0.22	<0.01
*Rep 365353	0.07	12.5	14.1	1.49	6.6	<0.1	0.21	0.02
*Std OREAS200	0.03	28.9	26.1	1.22	3.4	0.1	0.67	<0.01
*Std OREAS902	0.04	32.1	925	0.33	1.6	<0.1	0.50	0.02
*Blk BLANK	<0.01	<0.05	<0.1	<0.05	<0.1	<0.1	<0.05	<0.01
*Blk BLANK	<0.01	<0.05	<0.1	<0.05	<0.1	<0.1	<0.05	<0.01

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Element Method Det.Lim. Units	@In	@La	@Lu	@Mo	@Nb	@Pb	@Rb	@Sb
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.02	0.1	0.01	0.05	0.05	0.2	0.2	0.05
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
365051	<0.02	15.3	0.05	0.15	1.89	4.4	9.5	0.10
365052	<0.02	12.3	0.05	0.58	2.33	6.2	7.7	0.11
365053	<0.02	13.6	0.08	0.42	1.29	3.6	8.2	0.19
365054	0.02	10.9	0.05	0.52	1.99	4.8	6.4	0.19
365055	0.02	26.1	0.12	0.44	2.75	6.3	35.6	0.10
365056	<0.02	8.0	0.04	0.50	1.97	4.9	10.5	0.11
365057	<0.02	11.7	0.05	0.14	1.47	2.9	11.7	0.06
365058	0.02	9.0	0.05	0.60	2.08	5.1	12.1	0.16
365059	<0.02	24.2	0.12	0.20	1.80	4.9	20.3	0.07
365060	<0.02	9.5	0.04	0.27	1.81	4.7	3.6	0.11
365061	<0.02	7.0	0.03	0.76	2.17	6.1	10.4	0.11
365062	<0.02	24.6	0.11	0.24	1.74	5.1	17.2	0.09
365063	0.02	8.1	0.04	0.72	2.28	5.6	10.5	0.15
365064	<0.02	7.5	0.03	0.67	2.18	5.8	8.5	0.24
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	<0.02	25.9	0.12	0.20	2.20	5.4	13.8	0.16
365067	<0.02	16.5	0.07	0.21	2.31	4.9	15.5	0.08
365068	<0.02	8.1	0.05	0.29	1.58	2.9	3.2	0.11
365069	<0.02	16.2	0.07	0.19	2.12	5.3	14.7	0.07
365070	<0.02	6.8	0.03	0.32	1.27	5.3	5.0	0.09
365071	<0.02	10.2	0.05	0.35	1.74	3.8	7.8	0.07
365072	<0.02	6.3	0.04	1.02	2.01	5.2	12.7	0.13
365073	<0.02	6.9	0.03	0.36	1.65	4.4	12.7	0.27
365074	<0.02	8.8	0.05	0.30	1.99	4.6	10.7	0.06
365075	<0.02	9.0	0.05	0.35	1.99	4.6	12.4	0.08
365076	<0.02	4.8	0.06	0.53	2.92	6.0	5.7	0.19
365077	<0.02	6.2	0.02	0.69	1.97	5.0	7.0	0.09
365078	<0.02	14.3	0.05	0.15	2.00	5.3	13.2	0.07
365079	<0.02	13.8	0.06	0.16	2.18	4.8	16.7	0.06
365080	<0.02	8.3	0.04	0.24	1.82	3.5	3.0	0.09
365081	<0.02	14.2	0.06	0.21	1.83	6.1	27.6	0.05
365082	<0.02	25.1	0.08	0.17	1.53	5.5	17.2	0.08
365083	<0.02	8.1	0.04	0.53	1.69	3.7	10.8	0.11
365084	<0.02	11.0	0.04	0.16	1.67	4.2	22.7	<0.05
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	<0.02	15.4	0.07	0.17	1.93	5.4	26.5	0.06
365087	<0.02	15.5	0.06	0.12	1.38	3.9	11.9	0.07
365088	<0.02	18.3	0.07	0.21	1.65	4.4	13.2	0.08
365089	0.02	7.1	0.04	0.45	1.84	4.0	4.4	0.16
365090	<0.02	6.8	0.03	0.40	1.52	3.5	8.1	0.09

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Element Method Det.Lim. Units	@In GE_ICM14B 0.02 ppm	@La GE_ICM14B 0.1 ppm	@Lu GE_ICM14B 0.01 ppm	@Mo GE_ICM14B 0.05 ppm	@Nb GE_ICM14B 0.05 ppm	@Pb GE_ICM14B 0.2 ppm	@Rb GE_ICM14B 0.2 ppm	@Sb GE_ICM14B 0.05 ppm
365091	<0.02	12.2	0.05	0.25	1.92	4.8	11.7	0.08
365092	<0.02	6.7	0.03	0.45	1.69	3.8	5.8	0.11
365093	<0.02	6.7	0.03	0.36	1.62	4.1	11.0	0.08
365351	0.02	9.6	0.05	0.53	2.12	5.7	32.9	0.10
365352	<0.02	6.3	0.04	0.86	2.15	5.0	13.6	0.16
365353	0.02	6.6	0.04	0.67	2.08	5.0	10.0	0.11
365354	0.03	26.1	0.24	0.64	2.07	8.5	20.5	0.11
365355	0.02	7.9	0.06	1.00	2.13	5.8	14.7	0.15
365356	<0.02	8.1	0.05	0.89	1.98	4.0	5.2	0.08
365357	0.02	7.4	0.04	1.09	2.78	7.7	5.9	0.24
365358	0.02	8.7	0.06	0.77	1.83	5.3	11.1	0.13
*Rep 365062	<0.02	25.6	0.12	0.21	1.80	5.2	18.0	0.09
*Rep 365081	<0.02	14.4	0.06	0.20	1.86	5.9	28.4	0.06
*Rep 365353	0.02	6.5	0.04	0.66	1.98	4.9	10.0	0.16
*Std OREAS200	0.02	15.8	0.13	4.79	1.29	1.9	10.2	0.15
*Std OREAS902	0.20	16.2	0.09	12.0	<0.05	10.1	9.6	0.82
*Blk BLANK	<0.02	<0.1	<0.01	<0.05	<0.05	<0.2	<0.2	<0.05
*Blk BLANK	<0.02	<0.1	<0.01	<0.05	<0.05	<0.2	<0.2	<0.05

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Element Method Det.Lim. Units	@Sc	@Se	@Sn	@Ta	@Tb	@Te	@Th	@Tl
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.1 ppm	1 ppm	0.3 ppm	0.05 ppm	0.02 ppm	0.05 ppm	0.1 ppm	0.02 ppm
365051	3.3	<1	0.4	<0.05	0.18	<0.05	4.4	0.09
365052	3.4	<1	0.6	<0.05	0.19	<0.05	3.8	0.09
365053	4.2	<1	<0.3	<0.05	0.28	<0.05	4.3	0.08
365054	4.1	<1	0.4	<0.05	0.17	<0.05	3.2	0.08
365055	5.0	<1	0.7	<0.05	0.41	<0.05	7.4	0.19
365056	2.6	<1	0.5	<0.05	0.13	<0.05	2.4	0.06
365057	2.3	<1	0.3	<0.05	0.19	<0.05	3.2	0.07
365058	3.4	<1	0.5	<0.05	0.17	<0.05	3.1	0.06
365059	4.6	<1	0.5	<0.05	0.38	<0.05	6.9	0.15
365060	1.4	<1	0.3	<0.05	0.15	<0.05	4.3	0.04
365061	2.3	<1	0.6	<0.05	0.11	<0.05	2.0	0.07
365062	4.6	<1	0.5	<0.05	0.36	<0.05	6.7	0.14
365063	3.1	1	0.5	<0.05	0.14	<0.05	2.9	0.07
365064	2.3	<1	0.6	<0.05	0.10	<0.05	2.3	0.06
365065	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365066	4.5	<1	0.6	<0.05	0.38	<0.05	6.1	0.14
365067	3.9	<1	0.5	<0.05	0.26	<0.05	4.1	0.10
365068	2.5	<1	<0.3	<0.05	0.18	<0.05	2.3	0.03
365069	3.7	<1	0.5	<0.05	0.24	<0.05	4.7	0.12
365070	1.7	<1	0.6	<0.05	0.10	<0.05	1.6	0.05
365071	3.1	<1	0.4	<0.05	0.19	<0.05	2.7	0.07
365072	2.9	<1	0.5	<0.05	0.12	0.05	2.2	0.09
365073	1.7	<1	0.4	<0.05	0.10	<0.05	1.9	0.05
365074	3.2	<1	0.4	<0.05	0.15	<0.05	3.0	0.09
365075	3.0	<1	0.4	<0.05	0.14	<0.05	2.9	0.08
365076	2.6	1	0.7	<0.05	0.18	<0.05	1.0	0.05
365077	2.0	<1	0.5	<0.05	0.09	<0.05	1.5	0.07
365078	3.6	<1	0.5	<0.05	0.17	<0.05	4.5	0.11
365079	3.8	<1	0.5	<0.05	0.21	<0.05	3.8	0.11
365080	1.2	<1	<0.3	<0.05	0.16	<0.05	2.8	0.03
365081	3.8	<1	0.6	<0.05	0.21	<0.05	6.1	0.13
365082	4.5	<1	0.6	<0.05	0.29	<0.05	6.7	0.14
365083	3.6	<1	0.4	<0.05	0.14	<0.05	2.0	0.06
365084	2.6	<1	0.5	<0.05	0.15	<0.05	3.3	0.08
365085	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365086	3.9	<1	0.5	<0.05	0.24	<0.05	5.5	0.13
365087	3.0	<1	0.4	<0.05	0.22	<0.05	4.5	0.08
365088	4.5	<1	0.5	<0.05	0.24	<0.05	4.8	0.10
365089	4.0	<1	<0.3	<0.05	0.12	<0.05	3.5	0.06
365090	3.7	<1	0.3	<0.05	0.11	<0.05	2.3	0.06

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Element Method Det.Lim. Units	@Sc GE_ICM14B 0.1 ppm	@Se GE_ICM14B 1 ppm	@Sn GE_ICM14B 0.3 ppm	@Ta GE_ICM14B 0.05 ppm	@Tb GE_ICM14B 0.02 ppm	@Te GE_ICM14B 0.05 ppm	@Th GE_ICM14B 0.1 ppm	@Tl GE_ICM14B 0.02 ppm
365091	3.6	<1	0.5	<0.05	0.17	<0.05	4.5	0.10
365092	2.7	<1	0.4	<0.05	0.11	<0.05	2.0	0.05
365093	3.0	<1	0.4	<0.05	0.11	<0.05	3.2	0.09
365351	3.2	<1	0.5	<0.05	0.17	<0.05	2.6	0.13
365352	2.4	<1	0.4	<0.05	0.13	<0.05	2.1	0.07
365353	2.9	<1	0.5	<0.05	0.12	<0.05	2.6	0.07
365354	4.8	2	0.5	<0.05	0.54	<0.05	3.6	0.14
365355	3.3	<1	0.5	<0.05	0.16	<0.05	3.3	0.12
365356	2.2	<1	<0.3	<0.05	0.21	<0.05	1.6	0.06
365357	2.4	<1	0.6	<0.05	0.14	0.06	2.1	0.07
365358	3.7	<1	0.4	<0.05	0.18	0.06	3.4	0.08
*Rep 365062	4.8	<1	0.5	<0.05	0.37	<0.05	7.0	0.15
*Rep 365081	3.7	<1	0.6	<0.05	0.21	<0.05	6.1	0.13
*Rep 365353	3.1	<1	0.5	<0.05	0.12	<0.05	2.4	0.06
*Std OREAS200	3.1	<1	0.7	<0.05	0.52	<0.05	2.7	0.06
*Std OREAS902	2.4	2	<0.3	<0.05	0.32	<0.05	5.2	0.24
*Blk BLANK	<0.1	<1	<0.3	<0.05	<0.02	<0.05	<0.1	<0.02
*Blk BLANK	<0.1	<1	<0.3	<0.05	<0.02	<0.05	<0.1	<0.02

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Element Method Det.Lim. Units	@U	@W	@Y	@Yb
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.05	0.1	0.05	0.1
	ppm	ppm	ppm	ppm
365051	0.40	0.2	4.42	0.4
365052	0.50	0.3	4.30	0.4
365053	1.08	0.2	6.46	0.5
365054	0.40	0.2	3.93	0.4
365055	0.94	0.1	9.97	0.9
365056	0.35	0.2	3.04	0.3
365057	0.40	<0.1	4.61	0.4
365058	0.41	0.2	4.16	0.4
365059	0.68	0.1	9.46	0.8
365060	0.44	0.1	3.25	0.3
365061	0.37	0.2	2.59	0.2
365062	0.55	0.1	8.76	0.7
365063	0.42	0.3	3.37	0.3
365064	0.27	0.3	2.14	0.2
365065	N.A.	N.A.	N.A.	N.A.
365066	0.64	0.1	9.33	0.8
365067	0.54	0.1	5.81	0.5
365068	0.33	0.1	4.21	0.4
365069	0.45	0.2	5.88	0.5
365070	0.21	0.1	2.25	0.2
365071	0.41	0.1	4.44	0.3
365072	0.32	0.5	3.14	0.3
365073	0.24	<0.1	2.29	0.2
365074	0.34	0.4	3.81	0.3
365075	0.35	0.1	3.74	0.3
365076	0.22	0.2	5.29	0.5
365077	0.25	0.1	2.04	0.2
365078	0.42	<0.1	4.11	0.3
365079	0.41	<0.1	4.85	0.4
365080	0.38	<0.1	3.40	0.3
365081	0.61	0.1	4.88	0.4
365082	0.58	0.1	6.92	0.6
365083	0.31	0.1	3.11	0.3
365084	0.35	<0.1	3.66	0.3
365085	N.A.	N.A.	N.A.	N.A.
365086	0.62	<0.1	5.54	0.5
365087	0.43	<0.1	5.27	0.4
365088	0.48	0.1	5.71	0.5
365089	0.38	0.2	2.68	0.2
365090	0.26	1.6	2.43	0.2

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Element	@U	@W	@Y	@Yb
Method	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
Det.Lim.	0.05	0.1	0.05	0.1
Units	ppm	ppm	ppm	ppm
365091	0.41	0.1	4.02	0.3
365092	0.32	0.2	2.54	0.2
365093	0.30	0.1	2.47	0.2
365351	0.43	0.1	4.03	0.3
365352	0.36	0.2	3.41	0.3
365353	0.33	0.3	3.29	0.3
365354	1.11	0.2	14.9	1.4
365355	0.46	0.7	4.36	0.4
365356	0.31	0.3	4.46	0.4
365357	0.33	0.3	3.55	0.3
365358	0.46	0.7	4.72	0.4
*Rep 365062	0.57	0.1	9.35	0.8
*Rep 365081	0.60	0.1	4.80	0.4
*Rep 365353	0.33	0.3	3.24	0.3
*Std OREAS200	0.56	0.3	13.7	0.9
*Std OREAS902	2.31	9.8	7.49	0.6
*Blk BLANK	<0.05	<0.1	<0.05	<0.1
*Blk BLANK	<0.05	<0.1	<0.05	<0.1

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**Certificate of Analysis**  
**Work Order : VC163245**  
**[Report File No.: 0000019590]**

Date: October 26, 2016

To: **Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
375-555 BURRARD STREET  
VANCOUVER BC V7X 1M9

P.O. No.: Skinner\_01 Flagging Orange  
Project No.: SKINNER  
Samples: 51  
Received: Oct 12, 2016  
Pages: Page 1 to 15  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
49	GE_IC14A	Aqua Regia digestion/ICP-AES finish
49	GE_IC14M	Aqua Regia digestion/ICP-MS finish

**Comments:**

Boron values are informational only.

Certified By :

John Chiang  
QC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	@Ag	@Al	@B	@Ba	@Ca	@Cr	@Cu	@Fe
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.01 %	10 ppm	5 ppm	0.01 %	1 ppm	0.5 ppm	0.01 %
365359	0.07	1.62	<10	77	0.47	38	21.7	2.27
365360	0.03	0.81	<10	19	0.10	15	13.3	1.53
365361	0.03	1.66	<10	35	0.16	53	28.7	3.75
365362	0.04	2.21	<10	50	0.20	88	84.7	3.91
365363	0.13	2.43	<10	106	0.28	83	281	3.33
365364	0.02	1.09	<10	33	0.15	48	37.4	2.85
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	0.09	0.73	<10	29	0.14	23	19.0	1.20
365367	0.04	1.12	<10	40	0.18	38	18.4	2.41
365368	0.04	1.59	<10	45	0.22	40	12.7	2.17
365369	0.02	1.65	<10	73	0.39	71	17.9	2.66
365370	0.03	1.20	<10	55	0.43	36	15.9	1.96
365371	0.08	1.64	<10	71	0.58	38	12.2	2.29
365372	0.08	1.43	<10	64	0.49	35	8.8	2.10
365373	0.04	1.93	<10	43	0.19	70	70.7	4.33
365374	<0.01	1.52	<10	37	0.26	43	15.2	2.18
365375	0.01	1.32	<10	39	0.26	36	6.0	1.88
365376	0.11	1.59	<10	41	0.15	51	20.6	3.27
365377	0.03	1.34	<10	27	0.11	57	28.6	2.98
365378	0.32	2.56	<10	148	0.53	69	47.2	3.12
365379	0.09	1.41	<10	32	0.13	70	27.4	2.58
365380	0.04	0.83	<10	20	0.10	17	8.4	1.62
365381	0.03	1.70	<10	26	0.16	88	35.9	3.18
365382	0.10	1.63	<10	58	0.41	76	20.2	2.55
365383	0.02	1.23	<10	50	0.20	55	14.0	2.09
365384	0.03	1.34	<10	24	0.13	64	20.4	2.64
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	0.06	2.41	<10	47	0.23	130	45.0	3.65
365387	0.03	1.50	<10	29	0.22	67	20.2	2.16
365388	0.01	1.41	<10	25	0.17	80	38.1	2.70
365389	0.02	2.13	<10	57	0.22	52	29.6	2.73
365390	0.01	1.03	<10	25	0.14	56	22.0	3.15
365391	0.02	1.31	<10	35	0.15	34	11.6	1.89
365392	0.01	1.98	<10	30	0.11	149	14.7	3.38
365393	0.21	3.01	<10	150	0.45	65	318	2.60
365394	0.09	1.69	<10	34	0.06	74	18.6	6.57
365395	0.05	1.69	<10	39	0.15	77	31.3	2.98
365396	0.04	2.08	<10	64	0.18	76	42.5	4.24
365397	0.06	1.67	<10	45	0.28	39	11.1	2.30
365398	0.11	1.85	<10	85	0.50	48	81.5	2.36

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Element Method Det.Lim. Units	@Ag	@Al	@B	@Ba	@Ca	@Cr	@Cu	@Fe
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01	0.01	10	5	0.01	1	0.5	0.01
	ppm	%	ppm	ppm	%	ppm	ppm	%
365399	0.03	1.80	<10	51	0.17	51	15.3	2.50
365400	0.03	0.86	<10	20	0.12	20	8.4	1.95
365451	0.02	0.84	<10	25	0.27	23	7.5	1.34
365452	0.11	1.63	<10	87	0.54	53	36.9	2.18
365453	0.14	1.89	<10	120	0.90	41	24.8	2.40
365454	0.10	1.36	<10	80	0.59	37	26.5	1.84
365455	0.08	2.02	<10	110	0.69	47	26.4	2.68
365456	0.12	1.28	<10	125	0.14	33	12.3	1.83
365457	0.04	1.48	<10	34	0.24	43	11.8	2.19
365458	0.09	1.37	<10	67	0.48	41	13.8	2.15
365459	0.14	1.44	<10	78	0.63	34	16.6	1.97
*Rep 365373	0.04	1.94	<10	43	0.19	70	71.0	4.36
*Rep 365389	0.02	2.11	<10	57	0.23	51	30.9	2.83
*Rep 365396	0.05	2.00	<10	62	0.18	75	44.1	4.08
*Std OREAS200	0.08	0.95	<10	97	0.93	40	96.6	5.18
*Std OREAS902	0.27	0.50	<10	19	4.34	23	3060	3.15
*Blk BLANK	<0.01	<0.01	<10	<5	<0.01	<1	<0.5	<0.01
*Blk BLANK	<0.01	<0.01	<10	<5	<0.01	<1	<0.5	<0.01

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Element Method Det.Lim. Units	@K	@Li	@Mg	@Mn	@Na	@Ni	@P	@S
	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.01 %	GE_ICM14B 2 ppm	GE_ICM14B 0.01 %	GE_ICM14B 0.5 ppm	GE_ICM14B 0.005 %	GE_ICM14B 0.01 %
365359	0.16	19	0.69	262	0.02	25.1	0.047	<0.01
365360	0.01	6	0.17	105	<0.01	10.2	0.053	<0.01
365361	0.05	15	0.73	214	0.01	24.9	0.027	0.01
365362	0.04	17	0.97	308	0.01	50.7	0.041	0.01
365363	0.06	28	0.78	566	0.01	81.1	0.039	0.01
365364	0.03	8	0.41	130	0.01	21.4	0.013	<0.01
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	0.04	5	0.26	86	0.01	11.9	0.015	0.01
365367	0.03	8	0.38	152	0.01	16.5	0.038	0.01
365368	0.04	13	0.51	160	0.01	23.4	0.051	<0.01
365369	0.10	21	0.84	273	0.02	39.4	0.047	0.01
365370	0.10	13	0.54	187	0.02	22.0	0.055	<0.01
365371	0.15	19	0.69	342	0.02	24.4	0.050	0.01
365372	0.14	15	0.62	295	0.02	22.1	0.044	<0.01
365373	0.04	18	0.75	291	0.01	34.2	0.084	<0.01
365374	0.04	11	0.58	185	0.02	23.8	0.049	<0.01
365375	0.04	12	0.53	193	0.02	20.7	0.042	<0.01
365376	0.04	17	0.62	254	0.01	26.9	0.058	0.01
365377	0.02	12	0.54	154	0.01	28.7	0.020	0.01
365378	0.07	30	0.61	873	0.01	57.9	0.027	0.02
365379	0.03	12	0.66	209	0.01	37.7	0.019	<0.01
365380	0.01	6	0.17	108	<0.01	10.6	0.053	<0.01
365381	0.03	14	0.68	227	0.01	47.8	0.045	0.01
365382	0.05	22	0.76	357	0.01	43.2	0.032	0.02
365383	0.03	14	0.59	232	0.01	31.5	0.011	<0.01
365384	0.02	11	0.55	156	0.01	32.3	0.023	<0.01
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	0.03	18	1.01	312	0.01	52.9	0.028	<0.01
365387	0.02	12	0.78	205	0.01	37.2	0.022	<0.01
365388	0.02	10	0.64	188	0.01	43.7	0.041	<0.01
365389	0.05	22	0.67	232	0.02	29.5	0.033	<0.01
365390	0.01	6	0.39	110	0.01	20.7	0.018	0.02
365391	0.02	12	0.42	144	0.01	19.3	0.024	<0.01
365392	0.03	14	1.21	160	0.01	46.9	0.015	0.01
365393	0.05	17	0.47	317	0.02	110	0.027	0.02
365394	0.02	12	0.40	133	<0.01	31.5	0.061	0.02
365395	0.02	13	0.61	190	0.01	45.4	0.034	0.01
365396	0.05	23	1.01	346	0.01	39.6	0.050	<0.01
365397	0.07	15	0.63	228	0.02	22.4	0.036	<0.01
365398	0.06	13	0.50	201	0.02	33.7	0.026	0.01

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Element Method Det.Lim. Units	@K	@Li	@Mg	@Mn	@Na	@Ni	@P	@S
	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.01 %	GE_ICM14B 2 ppm	GE_ICM14B 0.01 %	GE_ICM14B 0.5 ppm	GE_ICM14B 0.005 %	GE_ICM14B 0.01 %
365399	0.04	17	0.59	184	0.02	29.4	0.017	<0.01
365400	0.01	7	0.17	113	0.01	10.8	0.055	<0.01
365451	0.03	9	0.38	136	0.01	13.7	0.037	<0.01
365452	0.07	18	0.57	446	0.02	29.9	0.047	0.01
365453	0.16	20	0.65	644	0.02	26.5	0.066	0.04
365454	0.11	19	0.53	271	0.02	22.7	0.061	<0.01
365455	0.13	24	0.80	377	0.03	31.1	0.048	<0.01
365456	0.03	10	0.30	263	0.01	14.4	0.037	<0.01
365457	0.05	13	0.58	194	0.02	23.3	0.036	<0.01
365458	0.10	15	0.63	369	0.02	25.1	0.060	<0.01
365459	0.10	14	0.50	290	0.02	22.8	0.061	0.02
*Rep 365373	0.04	18	0.76	294	0.01	34.3	0.082	<0.01
*Rep 365389	0.04	21	0.73	233	0.02	31.9	0.037	<0.01
*Rep 365396	0.05	21	0.97	335	0.01	38.9	0.050	0.01
*Std OREAS200	0.11	5	2.17	913	0.15	119	0.160	0.27
*Std OREAS902	0.23	3	2.28	471	0.01	167	0.073	1.83
*Blk BLANK	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01
*Blk BLANK	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01

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Element Method Det.Lim. Units	@Sr	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi
	GE_ICM14B 0.5 ppm	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 1 ppm	GE_ICM14B 0.5 ppm	GE_ICM14B 1 ppm	GE_ICM14B 0.1 ppm	GE_ICM14B 0.02 ppm
365359	19.1	0.12	39	46	8.4	3	0.4	0.13
365360	5.3	0.06	24	18	4.1	7	0.2	0.09
365361	12.1	0.18	69	56	4.3	19	0.2	0.17
365362	10.6	0.14	56	49	9.4	17	0.3	0.12
365363	13.7	0.14	48	83	4.2	12	0.4	0.14
365364	8.6	0.17	64	23	3.4	11	<0.1	0.13
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	8.4	0.11	31	24	1.5	4	<0.1	0.14
365367	10.7	0.11	44	59	2.0	7	0.1	0.14
365368	11.0	0.10	35	30	7.6	5	0.2	0.09
365369	19.9	0.13	46	39	6.3	7	0.3	0.10
365370	16.3	0.10	31	31	7.1	3	0.3	0.09
365371	21.0	0.12	39	49	5.7	2	0.4	0.13
365372	18.0	0.11	36	42	5.5	2	0.3	0.11
365373	11.4	0.14	65	40	8.1	16	0.2	0.12
365374	16.9	0.11	37	30	9.4	4	0.2	0.08
365375	13.2	0.10	35	31	6.1	2	0.2	0.06
365376	10.2	0.13	54	56	4.8	11	0.1	0.14
365377	8.3	0.11	47	52	4.3	17	0.2	0.10
365378	17.7	0.09	51	66	3.7	7	0.6	0.17
365379	9.1	0.10	41	35	4.4	13	0.2	0.10
365380	5.6	0.06	26	17	4.2	7	0.1	0.07
365381	10.1	0.09	39	32	8.2	17	0.3	0.09
365382	18.0	0.09	38	39	3.2	9	0.2	0.10
365383	10.9	0.09	36	39	4.0	7	0.1	0.08
365384	8.3	0.10	38	26	5.3	10	0.2	0.07
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	11.4	0.15	63	90	4.7	7	0.3	0.09
365387	14.6	0.09	34	32	4.7	5	0.1	0.09
365388	8.9	0.08	36	28	6.4	15	0.2	0.06
365389	15.4	0.12	47	40	5.8	6	0.2	0.11
365390	9.3	0.13	57	19	3.0	19	0.1	0.10
365391	8.9	0.09	31	33	2.8	5	0.2	0.09
365392	7.3	0.13	105	42	3.4	4	0.1	0.09
365393	14.2	0.08	39	41	7.4	5	0.8	0.16
365394	5.8	0.11	36	31	6.1	100	0.4	0.12
365395	10.8	0.10	41	29	5.2	16	0.3	0.10
365396	12.1	0.16	63	67	6.6	17	0.3	0.15
365397	15.2	0.12	38	35	7.1	2	0.2	0.09
365398	18.3	0.09	37	40	3.1	3	0.4	0.12

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Element Method Det.Lim. Units	@Sr	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi
	GE_ICM14B 0.5 ppm	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 1 ppm	GE_ICM14B 0.5 ppm	GE_ICM14B 1 ppm	GE_ICM14B 0.1 ppm	GE_ICM14B 0.02 ppm
365399	12.3	0.12	41	32	5.9	5	0.2	0.09
365400	5.8	0.06	32	17	4.2	7	0.2	0.08
365451	11.8	0.09	25	24	5.2	3	0.1	0.07
365452	20.2	0.09	38	35	4.2	3	0.3	0.11
365453	28.3	0.10	41	54	6.3	3	0.4	0.15
365454	22.3	0.09	36	35	8.8	3	0.4	0.11
365455	28.0	0.14	46	55	12.0	3	0.5	0.14
365456	11.7	0.09	38	58	4.2	5	0.1	0.13
365457	13.2	0.11	36	31	7.6	4	0.2	0.08
365458	18.6	0.11	36	38	7.1	3	0.3	0.10
365459	21.3	0.08	32	39	4.9	3	0.4	0.12
*Rep 365373	11.5	0.14	65	41	8.1	17	0.2	0.12
*Rep 365389	13.5	0.12	46	43	5.5	6	0.2	0.11
*Rep 365396	11.9	0.15	61	63	6.4	17	0.2	0.14
*Std OREAS200	46.8	0.16	34	71	30.4	202	0.2	0.05
*Std OREAS902	21.6	<0.01	8	5	14.1	567	0.9	8.12
*Blk BLANK	<0.5	<0.01	<1	<1	<0.5	<1	<0.1	<0.02
*Blk BLANK	<0.5	<0.01	<1	<1	<0.5	<1	<0.1	<0.02

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	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.05 ppm	0.1 ppm	0.05 ppm	0.1 ppm	0.1 ppm	0.05 ppm	0.01 ppm
365359	0.04	42.6	8.2	1.37	6.0	<0.1	0.16	0.02
365360	0.04	15.2	4.8	0.42	2.6	<0.1	0.09	0.02
365361	0.08	12.7	9.9	1.33	8.7	<0.1	0.08	0.02
365362	0.05	25.0	17.4	1.29	6.9	<0.1	0.25	0.02
365363	0.13	29.5	23.3	2.10	7.0	<0.1	0.07	0.03
365364	0.09	8.55	6.9	0.67	7.6	<0.1	0.08	0.03
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	0.07	13.7	4.0	0.92	6.1	<0.1	<0.05	0.02
365367	0.08	14.3	5.5	0.78	6.9	<0.1	<0.05	0.02
365368	0.03	22.7	7.9	0.82	4.8	<0.1	0.20	0.02
365369	0.05	29.6	12.8	1.33	5.8	<0.1	0.11	0.02
365370	0.02	33.1	6.6	0.89	4.4	<0.1	0.14	<0.01
365371	0.10	43.2	9.2	1.28	5.8	<0.1	0.11	0.02
365372	0.06	39.8	8.5	1.10	5.2	<0.1	0.11	<0.01
365373	0.04	16.2	11.5	1.17	6.9	<0.1	0.18	0.03
365374	0.01	32.9	7.9	0.82	4.7	<0.1	0.22	<0.01
365375	0.01	29.9	6.6	0.68	4.5	<0.1	0.11	<0.01
365376	0.08	12.7	10.3	0.96	7.2	<0.1	0.08	0.02
365377	0.10	15.0	10.0	0.82	5.7	<0.1	0.07	0.02
365378	0.34	39.4	21.3	2.51	7.5	<0.1	0.06	0.04
365379	0.09	14.0	10.6	1.17	5.7	<0.1	0.07	0.02
365380	0.04	15.4	4.8	0.42	2.6	<0.1	0.08	<0.01
365381	0.06	30.4	13.6	0.83	4.3	<0.1	0.18	0.02
365382	0.09	23.6	12.1	1.09	5.1	<0.1	0.05	0.01
365383	0.04	15.6	8.2	0.87	4.2	<0.1	0.05	<0.01
365384	0.03	11.3	9.2	0.66	4.7	<0.1	0.10	<0.01
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	0.05	14.8	16.3	1.14	6.5	<0.1	0.08	0.02
365387	0.02	16.7	10.6	0.69	5.1	<0.1	0.08	<0.01
365388	0.04	32.4	11.8	0.56	3.8	<0.1	0.14	0.01
365389	0.05	27.6	9.3	1.18	7.1	<0.1	0.09	0.03
365390	0.04	11.0	5.7	0.68	6.2	<0.1	<0.05	0.02
365391	0.04	18.0	6.3	0.98	4.9	<0.1	<0.05	0.01
365392	0.03	9.88	13.5	1.16	9.5	<0.1	0.07	0.02
365393	0.07	56.3	14.2	1.85	6.9	<0.1	0.18	0.05
365394	0.06	13.1	7.8	0.84	5.5	<0.1	0.10	0.03
365395	0.04	16.3	12.1	0.89	5.3	<0.1	0.08	0.03
365396	0.09	14.1	15.4	1.81	7.9	<0.1	0.12	0.02
365397	0.03	31.3	8.1	0.94	5.4	<0.1	0.13	<0.01
365398	0.06	33.2	8.6	1.10	6.3	<0.1	0.05	0.02

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Element Method Det.Lim. Units	@Cd	@Ce	@Co	@Cs	@Ga	@Ge	@Hf	@Hg
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01	0.05	0.1	0.05	0.1	0.1	0.05	0.01
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
365399	0.04	17.0	10.0	0.98	5.3	<0.1	0.11	<0.01
365400	0.04	18.6	4.9	0.43	2.9	<0.1	0.09	<0.01
365451	0.01	19.4	5.1	0.60	3.1	<0.1	0.12	<0.01
365452	0.09	39.3	9.7	1.49	5.2	<0.1	0.09	<0.01
365453	0.21	46.0	9.0	1.49	6.4	<0.1	0.17	0.03
365454	0.06	41.7	7.2	1.01	4.7	<0.1	0.17	0.02
365455	0.03	48.7	9.7	1.44	6.8	<0.1	0.24	0.01
365456	0.08	15.0	5.5	0.93	6.6	<0.1	0.08	0.01
365457	0.03	24.4	7.8	0.83	4.8	<0.1	0.18	<0.01
365458	0.07	45.2	9.9	1.09	5.0	<0.1	0.13	<0.01
365459	0.15	41.2	6.8	0.97	4.9	<0.1	0.12	0.03
*Rep 365373	0.05	14.9	11.6	1.18	7.0	<0.1	0.18	0.03
*Rep 365389	0.05	27.6	9.2	1.13	6.8	<0.1	0.09	0.02
*Rep 365396	0.09	13.7	15.2	1.82	7.8	<0.1	0.11	0.02
*Std OREAS200	0.04	31.3	25.6	1.20	3.2	0.1	0.63	<0.01
*Std OREAS902	0.03	28.9	9.13	0.25	1.3	<0.1	0.44	0.06
*Blk BLANK	<0.01	<0.05	<0.1	<0.05	<0.1	<0.1	<0.05	<0.01
*Blk BLANK	<0.01	<0.05	<0.1	<0.05	<0.1	<0.1	<0.05	<0.01

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Element Method Det.Lim. Units	@In GE_ICM14B 0.02 ppm	@La GE_ICM14B 0.1 ppm	@Lu GE_ICM14B 0.01 ppm	@Mo GE_ICM14B 0.05 ppm	@Nb GE_ICM14B 0.05 ppm	@Pb GE_ICM14B 0.2 ppm	@Rb GE_ICM14B 0.2 ppm	@Sb GE_ICM14B 0.05 ppm
365359	<0.02	22.1	0.09	0.23	1.99	6.2	33.5	0.09
365360	<0.02	6.3	0.03	0.25	1.75	4.2	3.1	0.10
365361	<0.02	5.9	0.03	1.19	2.53	7.1	15.1	0.19
365362	0.03	8.1	0.05	0.80	1.74	5.4	8.4	0.20
365363	0.02	12.8	0.07	0.74	1.85	6.1	14.3	0.11
365364	<0.02	4.2	0.02	1.53	2.20	7.0	3.1	0.21
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	<0.02	6.6	0.02	0.52	1.72	7.0	13.4	0.08
365367	<0.02	5.7	0.02	0.46	1.76	6.1	7.9	0.10
365368	<0.02	8.7	0.03	0.36	1.84	4.6	7.9	0.09
365369	<0.02	12.7	0.05	0.49	1.81	5.3	19.1	0.09
365370	<0.02	18.3	0.08	0.19	1.36	4.4	17.2	0.06
365371	<0.02	20.6	0.08	0.21	2.10	5.8	34.1	0.06
365372	<0.02	17.2	0.07	0.17	1.91	5.5	36.6	0.06
365373	<0.02	7.2	0.03	1.27	1.84	5.7	8.1	0.15
365374	<0.02	12.7	0.04	0.14	0.97	4.5	8.0	0.07
365375	<0.02	11.0	0.04	0.13	1.11	4.1	8.0	0.05
365376	<0.02	6.4	0.03	0.74	1.96	7.5	10.5	0.16
365377	<0.02	7.0	0.03	0.79	2.01	5.8	6.2	0.13
365378	0.03	15.7	0.07	0.92	2.20	10.2	18.5	0.14
365379	<0.02	6.8	0.03	0.92	1.58	6.7	10.4	0.37
365380	<0.02	6.8	0.03	0.24	1.63	4.0	3.1	0.10
365381	0.02	7.5	0.03	0.51	1.52	5.5	5.9	0.38
365382	<0.02	10.8	0.04	0.38	1.46	5.3	14.5	0.09
365383	<0.02	7.2	0.03	0.33	1.14	4.3	13.3	0.06
365384	<0.02	5.5	0.03	0.51	1.51	4.0	6.5	0.09
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	<0.02	6.6	0.03	0.58	1.36	5.2	9.0	0.09
365387	<0.02	8.0	0.03	0.30	1.22	4.2	5.8	0.06
365388	<0.02	8.0	0.04	0.46	1.42	3.7	3.7	0.21
365389	<0.02	11.0	0.04	0.46	2.03	6.9	10.2	0.10
365390	<0.02	4.7	0.02	1.11	2.30	4.5	4.2	0.21
365391	<0.02	7.9	0.03	0.38	1.80	5.1	7.2	0.06
365392	<0.02	5.0	0.02	0.75	1.67	5.5	6.6	0.06
365393	0.03	44.8	0.21	0.54	2.07	9.4	12.5	0.17
365394	0.02	7.7	0.02	3.06	2.02	40.6	6.9	6.32
365395	<0.02	7.5	0.03	0.87	1.72	5.0	7.4	0.14
365396	0.02	6.1	0.04	1.04	1.88	6.8	14.8	0.15
365397	<0.02	10.4	0.04	0.19	1.65	5.3	10.8	0.06
365398	0.02	19.3	0.08	0.49	1.92	6.7	15.6	0.07

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Element Method Det.Lim. Units	@In GE_ICM14B 0.02 ppm	@La GE_ICM14B 0.1 ppm	@Lu GE_ICM14B 0.01 ppm	@Mo GE_ICM14B 0.05 ppm	@Nb GE_ICM14B 0.05 ppm	@Pb GE_ICM14B 0.2 ppm	@Rb GE_ICM14B 0.2 ppm	@Sb GE_ICM14B 0.05 ppm
365399	<0.02	7.2	0.03	0.36	1.79	5.1	8.9	0.07
365400	<0.02	8.1	0.03	0.23	1.62	4.7	3.2	0.10
365451	<0.02	9.6	0.04	0.25	1.24	3.6	7.7	<0.05
365452	<0.02	18.9	0.08	0.36	1.95	5.0	16.2	0.07
365453	0.02	23.1	0.10	0.45	2.38	6.6	44.0	0.07
365454	<0.02	23.1	0.10	0.30	2.05	5.1	20.8	0.08
365455	0.02	28.6	0.11	0.25	2.09	7.1	26.1	0.09
365456	<0.02	7.3	0.03	0.60	1.78	7.5	8.9	0.07
365457	<0.02	9.0	0.04	0.27	1.28	4.3	9.7	0.06
365458	<0.02	20.7	0.09	0.32	1.83	5.2	22.5	0.06
365459	<0.02	22.5	0.09	0.30	2.03	5.5	23.1	0.06
*Rep 365373	<0.02	6.4	0.03	1.27	1.80	5.8	8.2	0.14
*Rep 365389	<0.02	11.0	0.04	0.49	1.96	6.9	9.8	0.09
*Rep 365396	0.02	6.0	0.04	1.04	1.87	6.6	14.6	0.16
*Std OREAS200	0.02	16.1	0.12	4.66	0.94	2.0	9.7	0.15
*Std OREAS902	0.20	13.7	0.08	11.6	<0.05	10.3	7.9	0.79
*Blk BLANK	<0.02	<0.1	<0.01	<0.05	<0.05	<0.2	<0.2	<0.05
*Blk BLANK	<0.02	<0.1	<0.01	<0.05	<0.05	<0.2	<0.2	<0.05

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Element Method Det.Lim. Units	@Sc	@Se	@Sn	@Ta	@Tb	@Te	@Th	@Tl
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.1 ppm	1 ppm	0.3 ppm	0.05 ppm	0.02 ppm	0.05 ppm	0.1 ppm	0.02 ppm
365359	4.3	<1	0.6	<0.05	0.29	<0.05	6.2	0.18
365360	1.2	<1	<0.3	<0.05	0.10	<0.05	2.9	0.03
365361	2.4	<1	0.6	<0.05	0.09	0.05	2.1	0.08
365362	3.7	<1	0.4	<0.05	0.14	<0.05	3.1	0.08
365363	3.3	<1	0.5	<0.05	0.23	<0.05	3.1	0.11
365364	1.7	<1	0.6	<0.05	0.08	<0.05	1.3	0.06
365365	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365366	1.4	<1	0.5	<0.05	0.09	<0.05	0.9	0.07
365367	1.8	<1	0.5	<0.05	0.08	<0.05	1.7	0.06
365368	2.9	<1	0.4	<0.05	0.13	<0.05	2.9	0.07
365369	3.2	<1	0.4	<0.05	0.17	<0.05	3.4	0.10
365370	3.4	<1	0.4	<0.05	0.25	<0.05	4.6	0.11
365371	4.0	<1	0.5	<0.05	0.27	<0.05	5.3	0.15
365372	3.7	<1	0.5	<0.05	0.23	<0.05	4.8	0.12
365373	2.8	<1	0.4	<0.05	0.09	<0.05	3.0	0.06
365374	3.1	<1	0.4	<0.05	0.15	<0.05	4.8	0.09
365375	2.9	<1	0.4	<0.05	0.14	<0.05	3.6	0.08
365376	2.6	<1	0.5	<0.05	0.09	<0.05	2.1	0.06
365377	2.2	<1	0.4	<0.05	0.10	<0.05	2.2	0.04
365378	3.9	<1	0.7	<0.05	0.24	<0.05	4.1	0.17
365379	2.8	<1	0.4	<0.05	0.10	<0.05	2.1	0.07
365380	1.2	<1	<0.3	<0.05	0.10	<0.05	2.0	0.03
365381	3.0	<1	<0.3	<0.05	0.13	<0.05	2.7	0.05
365382	3.0	<1	0.4	<0.05	0.15	<0.05	2.6	0.07
365383	2.1	<1	0.3	<0.05	0.09	<0.05	1.8	0.05
365384	2.3	<1	0.3	<0.05	0.09	<0.05	1.8	0.04
365385	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365386	2.5	<1	0.4	<0.05	0.11	<0.05	2.0	0.09
365387	2.8	<1	0.3	<0.05	0.12	<0.05	1.9	0.05
365388	3.0	<1	<0.3	<0.05	0.15	<0.05	2.7	0.04
365389	3.6	<1	1.2	<0.05	0.13	<0.05	3.6	0.10
365390	1.8	<1	0.4	<0.05	0.07	<0.05	1.5	0.05
365391	2.1	<1	0.4	<0.05	0.10	<0.05	2.4	0.06
365392	5.5	<1	0.6	<0.05	0.07	<0.05	1.5	0.05
365393	6.2	1	0.6	<0.05	0.88	<0.05	6.4	0.20
365394	2.0	<1	0.4	<0.05	0.06	0.06	3.0	0.06
365395	2.7	<1	0.4	<0.05	0.12	<0.05	2.5	0.05
365396	3.3	<1	0.5	<0.05	0.11	0.06	2.1	0.08
365397	3.3	<1	0.5	<0.05	0.14	<0.05	4.3	0.10
365398	3.3	<1	0.6	<0.05	0.27	<0.05	3.4	0.11

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Element Method Det.Lim. Units	@Sc GE_ICM14B 0.1 ppm	@Se GE_ICM14B 1 ppm	@Sn GE_ICM14B 0.3 ppm	@Ta GE_ICM14B 0.05 ppm	@Tb GE_ICM14B 0.02 ppm	@Te GE_ICM14B 0.05 ppm	@Th GE_ICM14B 0.1 ppm	@Tl GE_ICM14B 0.02 ppm
365399	3.0	<1	0.4	<0.05	0.11	<0.05	2.6	0.07
365400	1.2	<1	<0.3	<0.05	0.11	<0.05	3.7	0.03
365451	1.9	<1	0.3	<0.05	0.14	<0.05	2.8	0.05
365452	3.9	<1	0.5	<0.05	0.28	<0.05	4.5	0.11
365453	4.3	1	0.6	<0.05	0.31	<0.05	5.1	0.17
365454	3.7	<1	0.5	<0.05	0.31	<0.05	5.7	0.13
365455	4.9	<1	0.6	<0.05	0.36	<0.05	7.5	0.18
365456	2.1	<1	0.6	<0.05	0.10	<0.05	2.3	0.07
365457	2.8	<1	0.4	<0.05	0.14	<0.05	3.4	0.07
365458	3.8	<1	0.4	<0.05	0.29	<0.05	5.3	0.13
365459	3.5	<1	0.5	<0.05	0.31	<0.05	4.6	0.12
*Rep 365373	2.9	<1	0.4	<0.05	0.09	0.06	2.5	0.06
*Rep 365389	3.5	<1	0.7	<0.05	0.13	<0.05	3.5	0.10
*Rep 365396	3.3	<1	0.5	<0.05	0.10	0.07	2.2	0.08
*Std OREAS200	2.7	<1	0.7	<0.05	0.49	<0.05	2.7	0.06
*Std OREAS902	2.5	2	<0.3	<0.05	0.28	<0.05	4.8	0.23
*Blk BLANK	<0.1	<1	<0.3	<0.05	<0.02	<0.05	<0.1	<0.02
*Blk BLANK	<0.1	<1	<0.3	<0.05	<0.02	<0.05	<0.1	<0.02

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Element Method Det.Lim. Units	@U	@W	@Y	@Yb
	GE_ICM14B 0.05 ppm	GE_ICM14B 0.1 ppm	GE_ICM14B 0.05 ppm	GE_ICM14B 0.1 ppm
365359	0.79	<0.1	7.68	0.6
365360	0.39	<0.1	2.48	0.2
365361	0.29	0.3	2.34	0.2
365362	0.36	0.3	3.87	0.3
365363	0.53	0.1	5.60	0.5
365364	0.18	0.4	2.22	0.2
365365	N.A.	N.A.	N.A.	N.A.
365366	0.26	0.1	2.05	0.2
365367	0.24	0.1	2.20	0.2
365368	0.36	0.1	3.35	0.3
365369	0.47	<0.1	4.60	0.4
365370	0.44	<0.1	6.89	0.5
365371	1.27	<0.1	7.53	0.6
365372	0.99	<0.1	6.26	0.5
365373	0.34	0.2	2.57	0.2
365374	0.39	<0.1	4.03	0.3
365375	0.36	<0.1	3.71	0.3
365376	0.29	0.2	2.38	0.2
365377	0.30	0.1	2.43	0.2
365378	0.76	0.1	5.72	0.5
365379	0.31	<0.1	2.38	0.2
365380	0.39	<0.1	2.50	0.2
365381	0.34	0.1	3.02	0.3
365382	0.53	<0.1	3.65	0.3
365383	0.28	<0.1	2.36	0.2
365384	0.24	<0.1	2.32	0.2
365385	N.A.	N.A.	N.A.	N.A.
365386	0.32	<0.1	2.61	0.2
365387	0.31	<0.1	3.09	0.3
365388	0.33	<0.1	3.71	0.3
365389	0.41	<0.1	3.62	0.3
365390	0.25	0.2	1.65	0.1
365391	0.32	<0.1	2.42	0.2
365392	0.22	0.1	1.73	0.1
365393	1.71	<0.1	16.8	1.4
365394	0.29	0.2	1.45	0.1
365395	0.35	0.1	2.89	0.3
365396	0.33	0.3	3.09	0.3
365397	0.40	<0.1	3.72	0.3
365398	0.75	<0.1	6.99	0.5

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Element	@U	@W	@Y	@Yb
Method	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
Det.Lim.	0.05	0.1	0.05	0.1
Units	ppm	ppm	ppm	ppm
365399	0.31	0.1	2.82	0.2
365400	0.42	<0.1	2.81	0.2
365451	0.36	<0.1	3.54	0.3
365452	1.10	<0.1	7.30	0.6
365453	1.91	<0.1	8.42	0.7
365454	0.63	<0.1	9.00	0.7
365455	0.56	<0.1	9.86	0.8
365456	0.37	<0.1	2.46	0.2
365457	0.36	<0.1	3.91	0.3
365458	0.55	<0.1	7.80	0.6
365459	1.69	0.2	8.41	0.7
*Rep 365373	0.32	0.2	2.50	0.2
*Rep 365389	0.42	<0.1	3.48	0.3
*Rep 365396	0.32	0.3	3.04	0.3
*Std OREAS200	0.57	0.2	13.8	0.9
*Std OREAS902	2.12	2.0	7.15	0.6
*Blk BLANK	<0.05	<0.1	<0.05	<0.1
*Blk BLANK	<0.05	<0.1	<0.05	<0.1

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**Certificate of Analysis**  
**Work Order : VC163246**  
**[Report File No.: 0000019591]**

**Date:** October 26, 2016

**To: Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
375-555 BURRARD STREET  
VANCOUVER BC V7X 1M9

**P.O. No.:** Skinner\_01 Flagging Orange  
**Project No.:** SKINNER  
**Samples:** 44  
**Received:** Oct 12, 2016  
**Pages:** Page 1 to 15  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
42	GE_IC14A	Aqua Regia digestion/ICP-AES finish
42	GE_IC14M	Aqua Regia digestion/ICP-MS finish

**Comments:**

Boron values are informational only.

Certified By :

John Chiang  
QC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	@Ag	@Al	@B	@Ba	@Ca	@Cr	@Cu	@Fe
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.01 %	10 ppm	5 ppm	0.01 %	1 ppm	0.5 ppm	0.01 %
365460	0.02	0.75	<10	20	0.12	18	17.4	1.49
365461	0.14	2.05	<10	94	0.25	58	29.3	4.17
365462	0.02	1.13	<10	43	0.17	148	24.4	2.34
365463	0.02	1.94	<10	42	0.13	60	63.0	2.83
365464	0.39	1.80	<10	77	0.14	53	45.8	2.50
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	0.03	1.03	<10	33	0.19	27	16.7	1.89
365467	0.02	1.22	<10	33	0.19	41	19.6	1.84
365468	0.31	2.10	<10	100	0.10	31	16.9	2.45
365469	0.23	2.04	<10	81	0.18	56	37.7	3.92
365470	0.08	1.47	<10	58	0.18	41	19.3	3.17
365471	0.01	1.44	<10	42	0.26	64	46.5	2.44
365472	0.02	1.75	<10	50	0.25	81	62.0	3.48
365473	<0.01	1.65	<10	51	0.34	40	18.8	2.20
365474	0.05	1.48	<10	41	0.16	55	20.3	2.91
365475	0.04	1.24	<10	49	0.19	54	14.7	2.29
365476	0.17	1.50	<10	64	0.18	50	24.2	3.27
365477	0.02	1.17	<10	45	0.23	36	10.9	1.80
365478	0.03	1.19	<10	61	2.23	42	27.4	2.21
365479	0.05	1.22	<10	58	0.39	37	6.1	1.82
365480	0.03	0.68	<10	19	0.11	18	8.2	1.48
365481	0.05	1.75	<10	99	0.61	47	15.8	2.43
365482	0.06	1.48	<10	80	0.59	43	14.8	2.30
365483	0.08	1.99	<10	117	0.77	53	22.4	2.74
365484	0.07	1.58	<10	83	0.67	45	16.6	2.43
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	0.04	1.99	<10	82	0.41	118	113	3.69
365487	0.30	1.41	<10	70	0.15	70	70.7	3.53
365488	0.02	1.67	<10	43	0.12	109	29.4	2.49
365489	0.03	1.72	<10	51	0.13	136	38.3	2.55
365490	0.02	2.19	<10	44	0.11	97	46.9	2.52
365491	0.02	1.30	<10	54	0.31	46	28.8	1.75
365492	0.01	0.85	<10	35	0.26	30	4.7	1.30
365493	0.03	1.41	<10	30	0.11	75	12.0	2.30
365494	0.13	2.14	<10	128	0.83	67	34.8	2.65
365495	0.02	1.50	<10	44	0.14	90	25.6	3.01
365496	<0.01	1.38	<10	44	0.30	51	8.8	2.04
365497	<0.01	1.30	<10	31	0.11	130	17.9	3.79
365498	0.01	1.77	<10	45	0.15	112	34.1	2.41
365499	0.06	1.72	<10	45	0.12	79	24.2	3.49

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Element Method Det.Lim. Units	@Ag_ GE_ICM14B 0.01 ppm	@Al GE_ICM14B 0.01 %	@B GE_ICM14B 10 ppm	@Ba GE_ICM14B 5 ppm	@Ca GE_ICM14B 0.01 %	@Cr GE_ICM14B 1 ppm	@Cu GE_ICM14B 0.5 ppm	@Fe GE_ICM14B 0.01 %
365500	0.03	0.73	<10	21	0.12	25	8.5	1.96
A00334321	0.06	1.21	<10	25	0.09	88	12.4	2.37
A00334322	<0.01	0.80	<10	31	0.34	39	9.5	1.49
A00334323	<0.01	1.77	<10	65	0.37	52	11.6	2.47
*Rep 365484	0.06	1.55	<10	81	0.68	45	17.7	2.37
*Rep 365490	0.03	2.19	<10	43	0.12	95	47.6	2.51
*Std OREAS200	0.07	1.00	<10	93	0.99	41	106	5.10
*Std OREAS902	0.29	0.49	<10	20	4.24	25	3150	2.92
*Bik BLANK	<0.01	<0.01	<10	<5	<0.01	<1	<0.5	<0.01

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Element Method Det.Lim. Units	@K	@Li	@Mg	@Mn	@Na	@Ni	@P	@S
	GE_ICM14B 0.01 %	GE_ICM14B 1 ppm	GE_ICM14B 0.01 %	GE_ICM14B 2 ppm	GE_ICM14B 0.01 %	GE_ICM14B 0.5 ppm	GE_ICM14B 0.005 %	GE_ICM14B 0.01 %
365460	0.02	7	0.18	106	0.01	11.2	0.053	<0.01
365461	0.14	29	0.97	592	0.02	29.3	0.090	0.02
365462	0.03	7	0.46	212	0.01	24.6	0.026	0.01
365463	0.03	15	0.55	178	0.01	28.0	0.039	0.02
365464	0.03	13	0.37	282	0.01	21.7	0.033	0.01
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	0.03	10	0.29	146	0.01	17.3	0.106	<0.01
365467	0.05	9	0.45	145	0.01	20.5	0.059	<0.01
365468	0.04	17	0.30	209	0.01	19.3	0.121	0.02
365469	0.08	32	0.84	377	0.01	31.2	0.164	0.01
365470	0.07	13	0.63	329	0.01	20.5	0.087	<0.01
365471	0.03	12	0.68	185	0.02	33.3	0.028	0.02
365472	0.04	16	0.83	248	0.01	42.3	0.027	0.01
365473	0.06	19	0.49	127	0.02	18.6	0.014	0.01
365474	0.04	16	0.55	174	0.01	24.5	0.022	<0.01
365475	0.04	8	0.45	205	0.01	18.6	0.062	<0.01
365476	0.07	16	0.57	323	0.01	23.4	0.021	0.01
365477	0.04	11	0.44	144	0.02	19.2	0.045	<0.01
365478	0.10	16	1.30	357	0.03	24.5	0.089	<0.01
365479	0.14	18	0.63	328	0.02	20.3	0.020	<0.01
365480	0.02	6	0.17	97	0.01	10.1	0.051	<0.01
365481	0.20	24	0.77	327	0.03	27.7	0.064	<0.01
365482	0.21	21	0.72	301	0.03	25.0	0.049	<0.01
365483	0.24	30	0.86	488	0.03	32.1	0.034	0.02
365484	0.15	20	0.73	358	0.03	26.1	0.042	<0.01
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	0.09	22	1.17	470	0.02	57.4	0.041	0.01
365487	0.09	14	0.62	227	0.02	28.5	0.016	0.07
365488	0.02	16	0.57	150	0.01	49.3	0.029	0.01
365489	0.03	16	0.63	172	0.01	60.6	0.041	0.01
365490	0.04	15	0.54	178	0.01	39.6	0.045	0.02
365491	0.06	17	0.51	168	0.02	32.3	0.016	0.01
365492	0.04	13	0.40	160	0.02	15.5	0.019	<0.01
365493	0.03	13	0.41	143	0.01	26.1	0.030	0.01
365494	0.12	25	0.75	447	0.02	40.8	0.049	0.03
365495	0.05	19	0.60	170	0.01	38.3	0.028	0.01
365496	0.06	15	0.66	230	0.02	24.3	0.033	<0.01
365497	0.03	11	0.50	152	0.01	33.5	0.222	0.02
365498	0.02	17	0.61	163	0.01	51.2	0.033	0.01
365499	0.04	14	0.84	359	0.01	33.3	0.037	0.02

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Element Method Det.Lim. Units	@K	@Li	@Mg	@Mn	@Na	@Ni	@P	@S
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01	1	0.01	2	0.01	0.5	0.005	0.01
	%	ppm	%	ppm	%	ppm	%	%
365500	0.02	6	0.18	108	0.01	10.7	0.053	<0.01
A00334321	0.02	10	0.47	134	0.01	27.4	0.026	0.01
A00334322	0.04	10	0.45	216	0.02	17.1	0.071	<0.01
A00334323	0.14	21	0.82	307	0.03	28.0	0.038	<0.01
*Rep 365484	0.15	19	0.71	354	0.03	25.6	0.042	0.01
*Rep 365490	0.04	15	0.53	178	0.01	39.8	0.046	0.02
*Std OREAS200	0.12	6	2.25	917	0.19	112	0.153	0.28
*Std OREAS902	0.26	4	2.27	449	0.01	164	0.071	1.83
*Bik BLANK	<0.01	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01

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Element Method Det.Lim. Units	@Sr	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.5 ppm	0.01 %	1 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.02 ppm
365460	6.9	0.07	25	19	4.8	7	0.2	0.07
365461	17.7	0.17	68	124	5.9	10	0.3	0.19
365462	12.8	0.18	67	36	2.9	6	0.1	0.17
365463	12.0	0.12	46	37	5.7	8	0.3	0.10
365464	8.9	0.12	46	69	1.5	2	0.3	0.15
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	8.4	0.07	32	23	5.8	6	0.2	0.08
365467	10.0	0.09	31	23	6.9	4	0.1	0.08
365468	9.8	0.08	35	77	5.7	6	0.4	0.13
365469	13.3	0.14	59	98	7.9	8	0.3	0.16
365470	14.3	0.15	55	56	6.0	7	0.2	0.18
365471	15.4	0.14	49	31	5.2	8	0.2	0.11
365472	15.4	0.16	58	40	5.2	13	0.2	0.11
365473	18.5	0.12	44	39	4.6	3	0.2	0.12
365474	13.9	0.17	60	56	4.7	6	0.2	0.12
365475	12.4	0.13	47	38	5.5	6	0.2	0.13
365476	12.0	0.18	61	47	4.1	7	0.2	0.14
365477	12.0	0.09	32	23	6.6	3	0.2	0.07
365478	27.5	0.12	40	35	12.5	4	0.2	0.09
365479	17.3	0.13	36	48	4.6	1	0.3	0.11
365480	5.8	0.06	26	16	4.6	6	0.1	0.06
365481	26.4	0.13	49	50	17.4	3	0.5	0.16
365482	22.5	0.13	42	44	13.2	3	0.4	0.13
365483	28.7	0.15	52	58	9.8	3	0.5	0.15
365484	26.0	0.14	45	44	8.4	3	0.4	0.11
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	20.6	0.20	63	52	8.1	11	0.3	0.09
365487	10.5	0.19	69	44	7.5	8	<0.1	0.19
365488	9.6	0.10	43	28	4.3	14	0.2	0.09
365489	8.9	0.09	41	23	4.5	20	0.4	0.09
365490	8.4	0.09	44	56	5.1	15	0.5	0.11
365491	13.3	0.10	34	29	3.9	6	0.2	0.08
365492	13.1	0.10	28	22	5.4	2	0.2	0.07
365493	7.4	0.09	45	44	3.6	10	0.3	0.09
365494	25.2	0.11	45	50	5.9	4	0.6	0.14
365495	9.5	0.12	48	27	4.3	22	0.2	0.10
365496	17.6	0.13	39	34	6.7	3	0.2	0.08
365497	8.5	0.09	75	30	3.8	26	0.2	0.13
365498	9.9	0.10	40	28	5.7	13	0.3	0.08
365499	7.7	0.14	87	49	1.8	11	0.2	0.19

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Element Method Det.Lim. Units	@Sr GE_ICM14B 0.5 ppm	@Ti GE_ICM14B 0.01 %	@V GE_ICM14B 1 ppm	@Zn GE_ICM14B 1 ppm	@Zr GE_ICM14B 0.5 ppm	@As GE_ICM14B 1 ppm	@Be GE_ICM14B 0.1 ppm	@Bi GE_ICM14B 0.02 ppm
365500	6.4	0.07	35	16	5.0	6	0.2	0.07
A00334321	6.2	0.09	50	25	2.5	8	0.1	0.09
A00334322	14.3	0.09	30	23	8.9	3	0.2	0.06
A00334323	20.2	0.15	48	47	7.9	2	0.3	0.10
*Rep 365484	25.0	0.13	44	42	8.1	4	0.4	0.13
*Rep 365490	8.5	0.09	43	54	5.1	14	0.5	0.12
*Std OREAS200	55.6	0.18	34	66	28.8	199	0.2	0.05
*Std OREAS902	20.5	<0.01	9	5	14.0	575	0.9	8.18
*Blk BLANK	<0.5	<0.01	<1	<1	<0.5	<1	<0.1	<0.02

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Element Method Det.Lim. Units	@Cd	@Ce	@Co	@Cs	@Ga	@Ge	@Hf	@Hg
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.01 ppm	0.05 ppm	0.1 ppm	0.05 ppm	0.1 ppm	0.1 ppm	0.05 ppm	0.01 ppm
365460	0.04	22.6	4.6	0.42	2.3	<0.1	0.12	<0.01
365461	0.14	17.5	16.8	2.22	8.6	<0.1	0.10	0.01
365462	0.08	13.5	6.4	1.56	7.8	<0.1	<0.05	0.02
365463	0.06	16.8	9.4	1.11	5.3	<0.1	0.10	0.03
365464	0.11	16.3	11.2	1.55	7.3	<0.1	<0.05	0.02
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	0.05	22.0	7.5	0.64	2.7	<0.1	0.13	<0.01
365467	0.03	17.5	6.1	0.69	3.4	<0.1	0.15	<0.01
365468	0.10	15.6	9.8	1.32	5.3	<0.1	0.11	0.05
365469	0.09	22.1	13.3	2.16	7.9	<0.1	0.14	0.04
365470	0.07	16.9	8.8	1.20	7.5	<0.1	0.09	0.01
365471	0.05	17.0	11.1	0.64	5.5	<0.1	0.08	0.02
365472	0.09	20.5	12.5	0.80	5.7	<0.1	0.09	0.02
365473	0.02	17.6	6.1	1.19	6.1	<0.1	0.08	<0.01
365474	0.08	13.5	10.0	1.21	6.9	<0.1	0.07	0.01
365475	0.07	14.0	6.0	0.90	6.6	<0.1	0.11	0.01
365476	0.07	14.0	10.8	1.21	6.3	<0.1	0.06	0.02
365477	0.01	22.4	6.2	0.71	3.3	<0.1	0.12	<0.01
365478	0.03	47.9	8.1	1.01	4.0	<0.1	0.21	0.01
365479	0.03	30.0	7.3	1.24	4.7	<0.1	0.08	<0.01
365480	0.04	14.7	4.4	0.39	2.1	<0.1	0.10	<0.01
365481	0.06	60.3	8.5	1.71	6.0	<0.1	0.31	0.02
365482	0.04	52.6	8.0	1.42	5.1	<0.1	0.24	0.01
365483	0.07	56.4	10.4	1.60	6.3	<0.1	0.18	<0.01
365484	0.06	47.7	8.6	1.19	5.3	<0.1	0.14	0.01
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	0.07	30.9	20.5	1.47	6.3	<0.1	0.12	0.02
365487	0.04	13.5	8.6	1.06	7.0	<0.1	0.13	0.01
365488	0.03	14.8	12.0	1.07	4.2	<0.1	0.07	0.02
365489	0.04	18.6	14.3	0.97	3.7	<0.1	0.07	0.03
365490	0.05	21.8	11.4	1.49	5.0	<0.1	0.08	0.04
365491	0.06	24.0	8.5	0.84	4.0	<0.1	0.07	0.01
365492	0.02	21.8	5.0	0.68	2.9	<0.1	0.09	<0.01
365493	0.07	13.7	7.8	0.89	4.5	<0.1	0.06	0.01
365494	0.20	56.6	11.2	1.54	5.8	<0.1	0.13	0.03
365495	0.04	14.8	11.0	0.92	4.3	<0.1	0.06	0.01
365496	0.01	32.4	7.6	1.04	4.4	<0.1	0.11	<0.01
365497	0.07	11.6	7.0	0.98	6.4	<0.1	0.06	0.04
365498	0.03	18.7	11.2	0.97	4.0	<0.1	0.12	0.02
365499	0.10	13.3	11.5	0.95	7.6	<0.1	<0.05	0.01

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Element Method Det.Lim. Units	@Cd GE_ICM14B 0.01 ppm	@Ce GE_ICM14B 0.05 ppm	@Co GE_ICM14B 0.1 ppm	@Cs GE_ICM14B 0.05 ppm	@Ga GE_ICM14B 0.1 ppm	@Ge GE_ICM14B 0.1 ppm	@Hf GE_ICM14B 0.05 ppm	@Hg GE_ICM14B 0.01 ppm
365500	0.04	20.2	4.6	0.41	2.3	<0.1	0.11	<0.01
A00334321	0.05	12.8	6.1	0.70	5.0	<0.1	<0.05	0.02
A00334322	<0.01	39.8	5.0	0.62	2.8	<0.1	0.17	<0.01
A00334323	0.02	40.4	8.6	1.65	5.8	<0.1	0.12	<0.01
*Rep 365484	0.07	48.4	8.8	1.13	5.3	<0.1	0.15	0.02
*Rep 365490	0.05	22.5	11.3	1.49	5.0	<0.1	0.09	0.04
*Std OREAS200	0.03	31.3	25.0	1.25	2.9	0.1	0.66	<0.01
*Std OREAS902	0.03	31.7	910	0.28	1.3	<0.1	0.47	0.05
*Blk BLANK	<0.01	<0.05	<0.1	<0.05	<0.1	<0.1	<0.05	<0.01

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Element Method Det.Lim. Units	@In	@La	@Lu	@Mo	@Nb	@Pb	@Rb	@Sb
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.02	0.1	0.01	0.05	0.05	0.2	0.2	0.05
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
365460	<0.02	10.6	0.03	0.25	1.74	4.3	3.0	0.10
365461	0.03	8.1	0.05	0.89	2.27	7.8	40.2	0.14
365462	<0.02	6.4	0.02	0.84	2.39	7.8	8.5	0.10
365463	0.02	8.0	0.04	0.73	2.33	5.3	5.7	0.10
365464	<0.02	8.1	0.03	0.64	1.73	6.3	8.0	0.07
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	<0.02	9.4	0.04	0.23	1.75	3.5	6.6	0.05
365467	<0.02	7.8	0.04	0.19	1.55	3.5	9.0	0.06
365468	<0.02	7.7	0.03	0.66	2.10	6.7	11.6	0.18
365469	0.02	10.3	0.05	0.69	2.16	6.4	18.4	0.11
365470	<0.02	6.8	0.04	0.89	2.23	6.4	17.4	0.11
365471	<0.02	7.2	0.04	0.56	1.82	4.9	5.5	0.12
365472	<0.02	7.0	0.04	0.93	1.98	5.5	6.3	0.17
365473	<0.02	9.0	0.03	0.56	2.20	6.4	10.2	0.06
365474	<0.02	6.5	0.03	0.79	2.17	5.8	12.9	0.10
365475	<0.02	6.7	0.04	0.47	1.89	6.1	10.0	0.10
365476	<0.02	6.5	0.03	1.11	2.15	6.6	15.6	0.12
365477	<0.02	7.6	0.04	0.21	1.33	3.5	7.3	<0.05
365478	<0.02	24.9	0.11	0.17	1.23	4.1	10.0	0.08
365479	<0.02	14.1	0.05	0.27	1.68	4.9	37.3	<0.05
365480	<0.02	6.0	0.03	0.18	1.49	3.4	2.9	0.08
365481	0.02	28.2	0.12	0.26	2.06	6.9	32.1	0.07
365482	<0.02	25.5	0.11	0.26	1.85	6.1	31.1	0.07
365483	0.02	25.5	0.10	0.37	2.57	7.3	44.3	0.06
365484	<0.02	24.5	0.09	0.26	2.30	5.5	24.7	0.07
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	0.02	12.8	0.06	0.76	1.79	4.6	12.7	0.13
365487	<0.02	6.5	0.03	1.10	2.24	6.7	13.7	0.12
365488	<0.02	6.2	0.03	0.48	1.63	4.2	6.7	0.15
365489	<0.02	6.5	0.03	0.50	1.72	4.0	7.0	0.15
365490	<0.02	9.2	0.03	0.54	1.75	5.8	9.7	0.13
365491	<0.02	10.4	0.05	0.18	1.61	4.3	13.7	<0.05
365492	<0.02	10.2	0.04	0.14	1.15	3.9	14.4	<0.05
365493	<0.02	6.0	0.03	0.43	1.73	4.4	7.3	0.08
365494	0.02	30.2	0.12	0.23	2.31	6.4	33.0	0.10
365495	<0.02	5.1	0.03	0.58	2.04	4.7	8.9	0.12
365496	<0.02	13.5	0.05	0.14	1.45	4.4	14.0	0.06
365497	<0.02	5.4	0.02	0.55	2.03	7.4	7.6	0.12
365498	<0.02	6.9	0.03	0.48	1.70	4.0	5.9	0.10
365499	<0.02	6.6	0.02	1.29	1.89	8.0	9.9	0.13

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Element Method Det.Lim. Units	@In GE_ICM14B 0.02 ppm	@La GE_ICM14B 0.1 ppm	@Lu GE_ICM14B 0.01 ppm	@Mo GE_ICM14B 0.05 ppm	@Nb GE_ICM14B 0.05 ppm	@Pb GE_ICM14B 0.2 ppm	@Rb GE_ICM14B 0.2 ppm	@Sb GE_ICM14B 0.05 ppm
365500	<0.02	8.5	0.04	0.22	2.15	4.1	2.8	0.08
A00334321	<0.02	6.3	0.02	0.55	1.67	4.9	6.5	0.09
A00334322	<0.02	19.0	0.06	0.10	0.69	3.0	8.8	<0.05
A00334323	<0.02	14.9	0.06	0.15	1.73	5.6	29.3	0.06
*Rep 365484	<0.02	24.8	0.10	0.24	2.25	5.8	24.3	0.07
*Rep 365490	<0.02	9.5	0.03	0.53	1.78	5.9	9.8	0.11
*Std OREAS200	0.02	16.1	0.13	4.69	0.95	1.8	9.8	0.13
*Std OREAS902	0.21	15.2	0.08	11.8	<0.05	9.9	8.9	0.78
*Blk BLANK	<0.02	<0.1	<0.01	<0.05	<0.05	<0.2	<0.2	<0.05

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Element Method Det.Lim. Units	@Sc	@Se	@Sn	@Ta	@Tb	@Te	@Th	@Tl
	GE_ICM14B 0.1 ppm	GE_ICM14B 1 ppm	GE_ICM14B 0.3 ppm	GE_ICM14B 0.05 ppm	GE_ICM14B 0.02 ppm	GE_ICM14B 0.05 ppm	GE_ICM14B 0.1 ppm	GE_ICM14B 0.02 ppm
365460	1.3	<1	0.3	<0.05	0.11	<0.05	3.9	0.03
365461	4.0	<1	0.7	<0.05	0.14	0.06	2.6	0.12
365462	2.0	<1	0.7	<0.05	0.09	<0.05	2.2	0.07
365463	2.9	<1	0.5	<0.05	0.14	<0.05	3.8	0.07
365464	2.2	<1	0.7	<0.05	0.12	<0.05	2.2	0.09
365465	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365466	1.7	<1	0.3	<0.05	0.15	<0.05	2.3	0.04
365467	2.1	<1	0.3	<0.05	0.12	<0.05	3.6	0.06
365468	2.3	<1	0.5	<0.05	0.11	<0.05	2.7	0.08
365469	3.5	<1	0.6	<0.05	0.15	<0.05	3.7	0.11
365470	2.7	<1	0.7	<0.05	0.12	0.06	2.9	0.09
365471	2.8	<1	0.5	<0.05	0.13	<0.05	1.8	0.06
365472	3.2	<1	0.4	<0.05	0.14	<0.05	2.1	0.06
365473	3.0	<1	0.6	<0.05	0.12	<0.05	2.4	0.09
365474	2.7	<1	0.6	<0.05	0.11	<0.05	2.0	0.07
365475	2.5	<1	0.6	<0.05	0.12	<0.05	2.0	0.06
365476	2.3	<1	0.6	<0.05	0.09	<0.05	2.0	0.11
365477	2.3	<1	0.3	<0.05	0.12	<0.05	2.9	0.07
365478	3.9	<1	0.5	<0.05	0.33	<0.05	5.7	0.13
365479	3.5	<1	0.5	<0.05	0.20	<0.05	3.9	0.13
365480	1.2	<1	<0.3	<0.05	0.11	<0.05	2.2	0.03
365481	5.2	<1	0.8	<0.05	0.39	<0.05	8.8	0.23
365482	4.7	<1	0.6	<0.05	0.35	<0.05	7.2	0.19
365483	5.2	<1	0.7	<0.05	0.34	<0.05	6.5	0.20
365484	4.4	<1	0.6	<0.05	0.31	<0.05	5.3	0.14
365485	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
365486	3.7	<1	0.4	<0.05	0.23	<0.05	2.8	0.11
365487	2.5	<1	0.7	<0.05	0.10	0.13	2.1	0.10
365488	3.1	<1	0.4	<0.05	0.09	<0.05	2.3	0.06
365489	3.4	<1	0.3	<0.05	0.10	<0.05	2.9	0.07
365490	3.1	<1	0.5	<0.05	0.13	<0.05	3.7	0.09
365491	2.9	<1	0.4	<0.05	0.16	<0.05	2.6	0.09
365492	2.4	<1	0.4	<0.05	0.14	<0.05	3.5	0.07
365493	2.6	<1	0.4	<0.05	0.09	<0.05	1.9	0.05
365494	5.0	<1	0.6	<0.05	0.40	<0.05	5.3	0.15
365495	2.9	<1	0.4	<0.05	0.09	<0.05	1.8	0.06
365496	3.6	<1	0.4	<0.05	0.18	<0.05	4.0	0.11
365497	2.7	<1	0.4	<0.05	0.07	<0.05	1.9	0.05
365498	3.1	<1	0.4	<0.05	0.10	<0.05	2.4	0.06
365499	2.3	<1	0.8	<0.05	0.07	<0.05	1.5	0.08

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Element Method Det.Lim. Units	@Sc GE_ICM14B 0.1 ppm	@Se GE_ICM14B 1 ppm	@Sn GE_ICM14B 0.3 ppm	@Ta GE_ICM14B 0.05 ppm	@Tb GE_ICM14B 0.02 ppm	@Te GE_ICM14B 0.05 ppm	@Th GE_ICM14B 0.1 ppm	@Tl GE_ICM14B 0.02 ppm
365500	1.2	<1	<0.3	<0.05	0.12	<0.05	4.8	0.03
A00334321	2.3	<1	0.4	<0.05	0.07	<0.05	2.4	0.04
A00334322	2.7	<1	<0.3	<0.05	0.22	<0.05	4.3	0.07
A00334323	4.3	<1	0.6	<0.05	0.20	<0.05	5.3	0.19
*Rep 365484	4.3	<1	0.6	<0.05	0.32	<0.05	5.6	0.14
*Rep 365490	3.2	<1	0.5	<0.05	0.13	<0.05	4.2	0.10
*Std OREAS200	2.8	<1	0.7	<0.05	0.50	<0.05	2.5	0.06
*Std OREAS902	2.6	2	<0.3	<0.05	0.29	<0.05	4.7	0.23
*Blk BLANK	<0.1	<1	<0.3	<0.05	<0.02	<0.05	<0.1	<0.02

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Element Method Det.Lim. Units	@U	@W	@Y	@Yb
	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
	0.05	0.1	0.05	0.1
	ppm	ppm	ppm	ppm
365460	0.41	<0.1	2.72	0.2
365461	0.40	0.4	4.27	0.4
365462	0.25	1.0	2.22	0.2
365463	0.51	0.2	3.36	0.3
365464	0.36	0.2	2.88	0.2
365465	N.A.	N.A.	N.A.	N.A.
365466	0.44	0.1	4.02	0.3
365467	0.37	<0.1	3.35	0.3
365468	0.38	<0.1	2.77	0.2
365469	0.47	0.2	4.12	0.3
365470	0.37	0.2	3.28	0.3
365471	0.30	0.2	3.65	0.3
365472	0.35	0.3	3.65	0.3
365473	0.34	<0.1	2.94	0.2
365474	0.33	0.2	3.09	0.3
365475	0.30	0.2	3.43	0.3
365476	0.28	0.4	2.19	0.2
365477	0.32	<0.1	3.19	0.3
365478	0.54	0.2	9.44	0.8
365479	0.65	<0.1	5.04	0.4
365480	0.33	<0.1	2.66	0.2
365481	0.84	<0.1	10.4	0.9
365482	0.58	0.2	9.81	0.8
365483	0.85	<0.1	8.55	0.7
365484	0.77	<0.1	8.68	0.7
365485	N.A.	N.A.	N.A.	N.A.
365486	0.44	0.2	5.83	0.5
365487	0.30	0.6	2.91	0.2
365488	0.30	0.1	2.27	0.2
365489	0.39	0.4	2.45	0.2
365490	0.57	0.1	2.93	0.2
365491	0.40	<0.1	4.14	0.4
365492	0.48	<0.1	3.73	0.3
365493	0.26	0.1	2.48	0.2
365494	1.00	<0.1	10.8	0.8
365495	0.30	0.1	2.23	0.2
365496	0.41	<0.1	4.79	0.4
365497	0.32	0.1	1.89	0.2
365498	0.37	<0.1	2.53	0.2
365499	0.26	0.3	1.72	0.1

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Element	@U	@W	@Y	@Yb
Method	GE_ICM14B	GE_ICM14B	GE_ICM14B	GE_ICM14B
Det.Lim.	0.05	0.1	0.05	0.1
Units	ppm	ppm	ppm	ppm
365500	0.73	<0.1	3.18	0.3
A00334321	0.20	0.1	1.74	0.1
A00334322	0.45	<0.1	5.58	0.4
A00334323	0.49	<0.1	5.22	0.4
*Rep 365484	0.79	<0.1	8.68	0.7
*Rep 365490	0.60	0.1	2.97	0.2
*Std OREAS200	0.54	0.2	14.0	1.0
*Std OREAS902	2.12	1.9	7.54	0.6
*Blk BLANK	<0.05	<0.1	<0.05	<0.1

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## **APPENDIX B2**

# **Rock Analysis Certificates**



**Certificate of Analysis**  
**Work Order : RL1603423**  
**[Report File No.: 000020164]**

Date: October 17, 2016

To: **ACCOUNTS PAYABLE**  
**F406501 SGS ASSAYERS CANADA**  
3260 PRODUCTION WAY  
BURNABY BC V5A 4W4

P.O. No.: Sabina Gold & Silver-Skinner-Sidewalk Pr  
Project No.: -  
Samples: 31  
Received: Oct 6, 2016  
Pages: Page 1 to 2  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
31	CRU25	Crush to 85% passing 2mm
31	CRU21	Crush to 75% passing 2mm
31	PUL46	Pulv to 85%, Cr Steel, 75µm, 500g
31	GE_FAA515	Au, FAS, AAS, 50g-10ml
31	GO_FAG505	Au, FAS, Gravimetric, 50g
31	WGH79	Sample Weight & Reporting of weights

Certified By : \_\_\_\_\_

Susan Isaac  
Operations Manager

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result  
\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	AUGT@ GE_FAA515 0.01 g/t	Auppb@ GE_FAA515 5 ppb	Au in g/t GO_FAG505 1 g/t	Auppb GO_FAG505 1,000 ppb	WtKg WGH79 0.01 kg
A00334301	0.20	200	--	--	1.71
A00334302	0.02	25	--	--	2.30
A00334303	0.01	10	--	--	1.33
A00334304	<0.01	<5	--	--	1.34
A00334305	>10.00	>10000	36.89	36889	0.14
A00334306	0.34	335	--	--	1.38
A00334314	0.01	10	--	--	0.77
A00334315	<0.01	<5	--	--	1.68
A00334316	<0.01	10	--	--	1.61
A00334317	<0.01	<5	--	--	1.13
A00334318	<0.01	<5	--	--	0.97
A00334319	<0.01	<5	--	--	1.13
A00334320	<0.01	<5	--	--	1.44
A00334351	<0.01	<5	--	--	1.31
A00334352	<0.01	<5	--	--	2.05
A00334353	0.03	30	--	--	1.84
A00334354	0.24	245	--	--	1.84
A00334355	<0.01	<5	--	--	1.91
A00334356	<0.01	<5	--	--	1.16
A00334357	<0.01	<5	--	--	1.85
A00334358	<0.01	<5	--	--	2.89
A00334359	0.01	15	--	--	1.21
A00334360	<0.01	<5	--	--	1.71
A00334401	0.01	15	--	--	2.02
A00334402	0.17	170	--	--	2.07
A00334403	0.25	250	--	--	1.33
A00334404	0.07	65	--	--	1.61
A00334405	>10.00	>10000	13.82	13822	0.14
A00334451	0.12	115	--	--	2.44
A00334453	<0.01	<5	--	--	2.63
A00334454	0.03	25	--	--	1.27
*Rep A00334318	<0.01	<5			
*Rep A00334320			--	--	

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**Certificate of Analysis**  
**Work Order : VC163305**  
**[Report File No.: 0000019641]**

**Date:** October 28, 2016

**To: Nicole Lasanen**  
**SABINA GOLD & SILVER CORPORATION**  
 375-555 BURREARD STREET  
 VANCOUVER BC V7X 1M9

**P.O. No.:** RL1603423 / Skinner\_02 Flagging Green  
**Project No.:** SKINNER  
**Samples:** 38  
**Received:** Oct 18, 2016  
**Pages:** Page 1 to 19  
 (Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
36	G_LOG02	Pre-preparation processing, sorting, logging, boxing
36	G_PRP95	Weigh, dry, (<3.0 kg) crush to 90% passing 2 mm, split 1000 g, pulverize to
36	GE_IC40A	Multi-acid (4-acid) digestion/ICP-AES finish
36	GE_IC40M	Multi-acid (4-acid) digestion/ICP-MS finish
13	GO_ICP95A	Lithium Metaborate fusion/ICP-AES (Lithologic) package
13	G_PHY01K	Gravimetric determination at 1000C

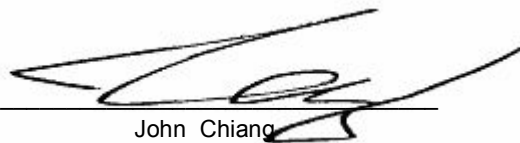
**Storage: Pulp & Reject**

PULP STORAGE : DISCARD

**Comments:**

Samples were prepared by SGS Red Lake.

Certified By :



John Chiang  
 QC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = No result  
 \*INF = Composition of this sample makes detection impossible by this method  
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 Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	@Ag	@Al	@Ba	@Ca	@Cr	@Cu	@Fe	@K
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.02 ppm	0.01 %	1 ppm	0.01 %	1 ppm	0.5 ppm	0.01 %	0.01 %
A00334301	0.74	4.92	80	8.50	317	116	8.27	0.28
A00334302	1.16	2.14	244	0.86	168	239	4.52	0.99
A00334303	1.68	5.33	594	0.59	263	181	4.55	2.88
A00334304	0.08	4.42	100	6.70	292	71.3	9.92	0.49
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	0.29	8.09	358	2.29	183	253	10.8	1.55
A00334307	0.11	4.87	17	3.69	631	44.0	8.56	0.12
A00334308	0.05	5.59	322	10.5	24	44.4	3.53	0.76
A00334309	0.09	7.31	388	8.65	40	58.9	4.77	2.28
A00334310	0.53	2.65	40	2.62	108	110	>15.0	0.28
A00334311	0.07	7.76	71	6.08	115	109	8.85	0.60
A00334312	0.10	7.95	138	2.67	52	29.8	5.61	0.93
A00334313	0.03	2.59	<1	3.37	1400	21.6	6.42	<0.01
A00334314	0.06	8.59	744	0.99	9	21.9	2.49	1.07
A00334315	0.04	8.94	162	2.02	33	33.7	3.61	0.24
A00334316	0.07	8.55	557	2.38	13	32.9	3.53	1.68
A00334317	0.12	8.67	179	1.59	31	38.3	3.78	0.32
A00334318	0.07	8.80	51	7.77	242	78.8	9.29	0.12
A00334319	0.10	6.25	23	5.55	145	63.3	8.57	0.13
A00334320	0.02	7.46	451	1.69	14	5.9	1.82	2.30
A00334351	0.07	5.20	249	6.96	428	22.6	9.45	0.27
A00334352	0.83	8.25	316	6.22	158	106	9.52	0.64
A00334353	0.27	8.10	291	5.66	113	150	9.08	1.83
A00334354	1.24	7.73	525	2.01	13	138	2.56	3.28
A00334355	0.09	8.38	47	8.95	210	104	7.85	0.21
A00334356	0.30	1.43	11	1.88	55	67.5	>15.0	0.06
A00334357	0.20	1.76	4	5.79	54	150	8.14	0.06
A00334358	0.04	8.38	81	8.79	57	17.7	4.84	0.29
A00334359	0.08	8.06	215	8.53	52	48.9	4.73	1.68
A00334360	<0.02	7.66	474	1.72	18	3.0	1.90	2.32
A00334401	0.93	4.99	72	7.30	266	148	8.05	0.26
A00334402	3.20	3.25	201	0.58	247	92.7	4.55	0.39
A00334403	0.89	1.81	155	0.18	167	97.9	2.88	0.76
A00334404	1.05	3.81	394	0.28	188	19.3	3.57	1.63
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	<0.02	8.77	269	2.34	99	17.6	4.34	0.81
A00334453	0.16	5.72	224	6.75	272	208	10.8	0.58
A00334454	0.61	5.08	382	2.41	81	253	7.82	1.86
*Rep A00334318	0.08	8.89	51	7.58	224	81.3	9.37	0.12

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Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
*Rep A00334453	0.19	5.63	221	6.70	237	208	10.6	0.57
*Std OREAS920	0.11	7.83	518	0.48	69	105	3.98	2.94
*Std OREAS902	0.34	4.77	182	4.25	54	2770	3.26	3.48
*Blk BLANK	<0.02	<0.01	<1	<0.01	1	0.5	<0.01	<0.01
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01

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Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 0.005 %	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
A00334301	26	3.98	1610	0.39	126	0.035	1.73	155
A00334302	11	0.83	390	0.30	139	0.024	1.95	32.1
A00334303	27	0.86	413	0.32	113	0.020	1.90	24.0
A00334304	14	6.38	1380	1.50	186	0.044	0.03	162
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	28	2.80	1670	1.74	46.7	0.037	0.64	72.0
A00334307	38	11.5	1660	0.01	203	0.011	0.02	22.2
A00334308	<1	0.66	4290	1.23	25.0	0.093	0.22	160
A00334309	31	1.51	2060	2.89	29.4	0.195	0.26	199
A00334310	4	1.01	619	0.98	99.1	0.021	>5.00	48.6
A00334311	33	4.06	1680	2.33	107	0.040	0.39	98.4
A00334312	38	3.10	994	2.75	59.3	0.098	0.17	93.2
A00334313	2	>15.0	1010	0.02	1170	0.007	0.05	46.3
A00334314	12	0.74	339	4.55	10.3	0.069	0.05	157
A00334315	4	1.38	594	5.65	12.1	0.142	0.12	266
A00334316	18	0.90	437	3.34	8.9	0.101	0.38	277
A00334317	6	1.34	536	5.25	21.5	0.135	0.15	214
A00334318	37	4.39	2170	0.16	128	0.032	0.05	124
A00334319	26	4.11	2290	0.24	96.9	0.020	0.04	37.4
A00334320	24	0.40	303	2.79	7.1	0.030	0.01	152
A00334351	9	5.39	1670	1.59	147	0.024	0.06	264
A00334352	19	3.78	1390	1.44	91.8	0.049	0.22	354
A00334353	30	2.86	1960	0.43	106	0.050	0.10	143
A00334354	25	0.80	517	0.65	5.3	0.071	0.70	141
A00334355	9	3.60	1120	1.17	136	0.037	0.13	173
A00334356	<1	0.51	356	0.08	33.0	0.008	>5.00	29.3
A00334357	<1	0.58	7480	0.03	32.7	0.049	1.55	16.4
A00334358	10	1.08	3980	1.17	22.1	0.079	0.07	188
A00334359	2	1.41	1990	1.14	25.6	0.290	0.05	124
A00334360	25	0.43	344	2.92	8.0	0.030	0.02	164
A00334401	25	4.15	1380	0.08	141	0.049	0.14	128
A00334402	14	1.65	544	1.01	58.4	0.016	1.31	91.6
A00334403	10	0.56	275	0.24	67.1	<0.005	1.22	6.1
A00334404	11	0.36	94	0.98	2.5	0.017	0.64	35.6
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	15	1.91	674	4.20	55.3	0.084	0.02	302
A00334453	13	4.24	1630	1.62	158	0.055	0.06	154
A00334454	17	1.15	962	0.61	81.5	0.028	3.22	111
*Rep A00334318	38	4.42	2190	0.17	128	0.032	0.06	127

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Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 0.005 %	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
*Rep A00334453	12	4.29	1600	1.62	156	0.059	0.07	151
*Std OREAS920	26	1.30	569	0.61	37.6	0.082	0.06	79.4
*Std OREAS902	10	2.55	478	0.04	164	0.070	1.94	27.4
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<0.005	<0.01	<0.5
*Blk BLANK	<1	<0.01	3	<0.01	<0.5	<0.005	<0.01	<0.5

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Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.5 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.1 ppm	GE_ICM40B 0.04 ppm	GE_ICM40B 0.02 ppm
A00334301	0.50	243	136	55.6	430	0.2	<0.04	0.27
A00334302	0.21	106	50	23.5	1	0.1	<0.04	0.18
A00334303	0.59	288	117	62.7	2	0.4	0.08	0.57
A00334304	0.71	256	98	75.3	<1	0.6	<0.04	0.07
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	0.69	291	162	76.3	<1	0.8	0.19	0.12
A00334307	0.18	192	174	9.4	<1	<0.1	<0.04	0.18
A00334308	0.29	71	53	115	<1	0.6	0.47	0.08
A00334309	0.57	106	88	167	<1	1.0	0.23	0.14
A00334310	0.17	30	174	44.5	64	0.3	1.39	0.55
A00334311	0.56	309	94	23.9	<1	0.3	0.10	0.11
A00334312	0.52	138	84	183	<1	0.8	0.05	0.11
A00334313	0.10	102	49	3.1	139	<0.1	0.10	0.04
A00334314	0.24	59	37	110	7	1.1	<0.04	0.05
A00334315	0.39	83	57	176	<1	0.7	0.08	0.13
A00334316	0.37	65	61	178	62	0.9	0.10	0.17
A00334317	0.39	81	69	167	8	0.6	0.08	0.28
A00334318	0.45	310	81	26.1	10	0.1	0.08	0.07
A00334319	0.25	201	88	20.4	3	<0.1	0.53	0.08
A00334320	0.12	19	34	112	<1	1.3	<0.04	<0.02
A00334351	0.73	292	91	45.3	<1	0.5	<0.04	0.07
A00334352	0.72	315	123	72.3	12	0.4	<0.04	0.24
A00334353	0.68	342	123	61.2	16	0.3	0.09	0.20
A00334354	0.16	26	97	145	<1	1.4	0.32	0.71
A00334355	0.53	300	70	19.8	11	0.2	0.13	0.10
A00334356	0.06	<2	25	37.1	41	0.1	1.20	0.03
A00334357	0.08	19	50	20.6	<1	0.2	0.89	0.16
A00334358	0.31	99	62	82.9	<1	0.6	0.72	0.16
A00334359	0.50	107	89	173	<1	0.9	0.13	0.14
A00334360	0.13	20	37	118	<1	1.2	0.05	<0.02
A00334401	0.54	247	143	56.4	42	0.2	<0.04	0.35
A00334402	0.34	160	858	40.3	199	0.3	<0.04	8.84
A00334403	0.19	64	192	21.3	4	0.1	<0.04	1.45
A00334404	0.49	196	14	42.3	10	0.4	0.15	0.03
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	0.36	96	51	159	<1	1.1	<0.04	0.10
A00334453	0.81	212	110	83.2	5	0.8	<0.04	0.19
A00334454	0.24	82	129	110	<1	0.9	0.44	1.11
*Rep A00334318	0.46	324	84	37.2	9	0.1	0.08	0.07

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Element Method Det.Lim. Units	@Ti GE_ICM40B 0.01 %	@V GE_ICM40B 2 ppm	@Zn GE_ICM40B 1 ppm	@Zr GE_ICM40B 0.5 ppm	@As GE_ICM40B 1 ppm	@Be GE_ICM40B 0.1 ppm	@Bi GE_ICM40B 0.04 ppm	@Cd GE_ICM40B 0.02 ppm
*Rep A00334453	0.80	210	114	96.9	4	0.7	<0.04	0.21
*Std OREAS920	0.47	89	115	167	4	2.5	0.60	0.06
*Std OREAS902	0.16	49	9	162	546	2.6	8.18	0.02
*Blk BLANK	<0.01	<2	<1	<0.5	<1	<0.1	<0.04	<0.02
*Blk BLANK	<0.01	<2	1	<0.5	<1	<0.1	<0.04	<0.02

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Element Method Det.Lim. Units	@Ce	@Co	@Cs	@Ga	@Hf	@In	@La	@Lu
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.05 ppm	0.1 ppm	1 ppm	0.1 ppm	0.02 ppm	0.02 ppm	0.1 ppm	0.01 ppm
A00334301	9.25	46.1	2	13.8	1.33	0.07	3.8	0.23
A00334302	5.31	45.4	1	5.5	0.48	0.03	2.4	0.09
A00334303	8.20	42.9	2	16.4	1.03	0.03	3.6	0.24
A00334304	12.3	56.6	8	12.9	1.95	0.07	4.9	0.24
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	8.51	26.0	2	22.0	1.74	0.14	3.5	0.39
A00334307	1.38	74.0	1	7.8	0.25	0.04	0.5	0.04
A00334308	34.1	15.6	<1	12.6	1.96	0.03	17.3	0.31
A00334309	56.8	18.8	3	16.2	2.56	0.04	27.0	0.40
A00334310	9.51	140	<1	6.3	0.85	0.06	4.8	0.12
A00334311	7.79	48.5	2	16.1	0.52	0.07	3.1	0.36
A00334312	39.5	28.2	3	16.7	4.25	0.06	19.9	0.45
A00334313	0.93	91.2	<1	4.8	0.03	<0.02	0.4	0.06
A00334314	40.7	8.0	<1	18.5	2.87	<0.02	21.4	0.15
A00334315	38.9	10.6	<1	18.1	3.99	0.04	18.8	0.16
A00334316	41.9	12.0	2	18.8	3.83	0.03	21.5	0.19
A00334317	50.6	15.5	<1	18.4	3.53	0.03	25.8	0.15
A00334318	9.57	52.7	<1	14.8	0.47	0.06	4.2	0.39
A00334319	4.02	42.3	<1	10.1	0.31	0.03	1.7	0.24
A00334320	42.6	5.2	2	18.4	3.41	<0.02	23.2	0.23
A00334351	7.47	54.4	<1	13.2	0.81	0.05	2.9	0.16
A00334352	12.5	46.4	2	19.5	1.43	0.08	5.3	0.41
A00334353	9.66	46.3	2	17.5	0.88	0.08	3.7	0.37
A00334354	83.8	6.1	1	17.1	3.31	<0.02	42.8	0.15
A00334355	8.93	43.6	<1	19.8	0.42	0.06	4.0	0.31
A00334356	3.53	257	<1	3.7	0.75	<0.02	1.8	0.06
A00334357	7.11	19.8	<1	4.5	0.49	0.02	3.9	0.16
A00334358	29.8	11.8	<1	17.6	1.81	0.04	15.9	0.34
A00334359	56.3	17.6	1	18.9	2.86	0.06	27.7	0.52
A00334360	44.2	5.4	2	18.7	3.44	<0.02	24.0	0.26
A00334401	9.29	43.2	2	13.9	1.38	0.06	3.8	0.23
A00334402	4.62	25.0	<1	10.0	0.88	0.09	1.8	0.13
A00334403	1.74	20.0	<1	3.8	0.51	<0.02	0.7	0.07
A00334404	3.51	0.9	2	11.5	0.95	0.03	1.6	0.05
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	38.5	18.5	2	19.6	3.35	0.03	20.8	0.15
A00334453	19.5	53.5	2	15.1	1.89	0.07	8.3	0.29
A00334454	19.9	34.3	2	14.2	2.48	0.12	9.9	0.30
*Rep A00334318	9.69	52.8	<1	14.8	0.49	0.06	4.3	0.39

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
*Rep A00334453	19.1	53.0	2	15.1	2.16	0.08	8.1	0.30
*Std OREAS920	95.7	16.3	9	21.0	4.61	0.09	47.5	0.52
*Std OREAS902	76.1	1000	3	11.7	4.46	0.27	38.4	0.31
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01

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Element Method Det.Lim. Units	@Mo	@Nb	@Pb	@Rb	@Sb	@Sc	@Se	@Sn
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.05	0.1	0.5	0.2	0.05	0.5	2	0.3
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00334301	0.39	2.9	40.4	11.1	1.24	30.0	<2	1.2
A00334302	2.25	1.2	5.2	28.2	0.97	13.7	<2	0.5
A00334303	0.53	3.2	97.5	66.7	2.05	26.3	<2	0.9
A00334304	0.27	6.2	1.8	22.6	0.33	29.2	<2	1.1
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	4.54	4.9	9.2	55.6	0.31	44.8	<2	2.1
A00334307	0.15	0.5	1.9	5.6	0.70	40.1	<2	0.3
A00334308	2.33	7.9	4.2	25.8	6.27	11.7	<2	3.2
A00334309	1.26	13.9	6.5	88.4	0.08	16.8	<2	1.6
A00334310	4.45	2.7	10.9	13.0	0.45	10.0	5	1.2
A00334311	0.88	3.1	1.8	31.8	0.25	40.9	<2	0.6
A00334312	0.56	9.1	3.0	58.0	0.14	20.6	<2	1.2
A00334313	0.19	0.3	1.2	0.2	0.59	21.8	<2	<0.3
A00334314	0.74	7.0	10.1	30.2	1.22	6.6	<2	0.9
A00334315	0.66	8.1	4.2	3.9	0.29	11.0	<2	0.5
A00334316	1.21	8.3	8.4	51.9	0.53	8.6	<2	1.1
A00334317	0.39	8.2	3.6	5.3	0.20	10.8	<2	0.8
A00334318	0.81	2.1	1.2	3.8	0.43	53.2	<2	0.5
A00334319	0.52	1.1	0.6	9.4	0.24	28.9	<2	0.3
A00334320	1.76	8.3	8.1	78.0	0.09	3.8	<2	1.2
A00334351	0.47	4.0	1.2	8.5	0.34	36.0	<2	0.6
A00334352	0.66	4.6	6.3	30.9	2.89	39.7	<2	0.9
A00334353	0.57	3.1	9.1	74.8	0.35	39.8	<2	0.9
A00334354	3.38	5.5	33.2	85.8	0.30	3.9	<2	0.6
A00334355	0.67	2.7	1.8	6.5	0.51	36.9	<2	0.7
A00334356	6.39	1.8	3.3	0.8	0.33	3.0	3	0.6
A00334357	3.17	2.2	1.8	2.4	0.11	5.2	<2	0.6
A00334358	10.6	7.9	5.5	10.6	0.22	13.1	<2	3.0
A00334359	0.86	14.4	4.8	59.5	0.35	16.2	<2	1.9
A00334360	2.15	8.8	7.9	78.9	0.09	3.7	<2	1.3
A00334401	0.55	3.1	12.2	11.2	0.89	27.7	<2	0.7
A00334402	1.77	1.9	635	11.5	5.00	18.6	<2	1.3
A00334403	1.87	1.0	10.2	20.3	0.85	7.4	<2	0.5
A00334404	0.92	2.8	12.6	54.6	2.11	16.8	<2	2.1
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	2.05	5.2	3.1	23.1	0.19	11.2	<2	0.9
A00334453	0.52	4.4	1.9	15.0	0.17	22.9	<2	1.1
A00334454	2.80	6.3	11.8	60.0	0.25	13.1	2	2.8
*Rep A00334318	0.71	2.2	1.2	3.9	0.46	52.5	<2	0.5

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Report File No.: 0000019641

Element	@Mo	@Nb	@Pb	@Rb	@Sb	@Sc	@Se	@Sn
Method	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
Det.Lim.	0.05	0.1	0.5	0.2	0.05	0.5	2	0.3
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
*Rep A00334453	0.63	5.9	2.9	15.1	0.26	23.0	<2	1.1
*Std OREAS920	0.42	18.3	22.5	192	1.56	14.2	<2	5.3
*Std OREAS902	13.0	6.2	12.8	111	1.91	6.7	2	2.2
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3

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Element Method Det.Lim. Units	@Ta	@Tb	@Te	@Th	@Tl	@U	@W	@Y
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.05	0.05	0.05	0.2	0.02	0.05	0.1	0.1
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A00334301	0.17	0.53	<0.05	0.4	0.09	0.10	6.4	16.1
A00334302	0.08	0.22	<0.05	<0.2	0.19	0.05	3.2	6.1
A00334303	0.22	0.40	<0.05	0.4	0.35	0.11	19.4	15.3
A00334304	0.38	0.62	<0.05	0.6	0.15	0.15	0.6	18.2
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	0.33	0.57	0.30	0.6	0.47	0.54	1.7	22.9
A00334307	0.05	0.06	<0.05	<0.2	0.08	<0.05	0.3	1.3
A00334308	0.51	0.57	<0.05	2.6	0.12	0.73	2.4	19.9
A00334309	0.77	0.87	0.07	2.6	0.36	0.70	0.9	28.4
A00334310	0.17	0.21	0.48	1.5	0.28	0.45	0.6	7.4
A00334311	0.22	0.55	<0.05	0.3	0.25	0.05	0.5	21.4
A00334312	0.64	0.80	<0.05	4.4	0.28	1.14	0.6	27.2
A00334313	<0.05	0.09	<0.05	<0.2	<0.02	<0.05	0.3	3.1
A00334314	0.56	0.31	<0.05	5.8	0.13	1.45	1.9	9.2
A00334315	0.54	0.43	<0.05	4.7	<0.02	1.21	1.2	11.6
A00334316	0.58	0.44	<0.05	4.2	0.29	1.00	5.6	12.7
A00334317	0.56	0.46	<0.05	4.7	0.03	1.08	1.3	11.6
A00334318	0.14	0.50	<0.05	0.4	0.02	0.10	0.7	21.6
A00334319	0.08	0.27	<0.05	<0.2	0.02	<0.05	0.5	12.3
A00334320	0.72	0.51	<0.05	9.1	0.32	1.68	0.2	16.0
A00334351	0.23	0.51	<0.05	0.4	0.03	0.08	0.4	16.4
A00334352	0.30	0.68	<0.05	0.5	0.16	0.14	1.1	25.4
A00334353	0.20	0.59	0.07	0.3	0.61	0.09	2.1	22.3
A00334354	0.44	0.35	0.69	11.5	0.53	2.97	2.7	9.5
A00334355	0.18	0.54	<0.05	0.3	0.04	0.08	0.5	19.2
A00334356	0.14	0.07	0.15	0.5	<0.02	0.29	0.3	2.5
A00334357	0.14	0.20	0.16	0.7	<0.02	0.53	0.5	9.8
A00334358	0.55	0.49	<0.05	3.1	0.04	0.83	0.7	17.4
A00334359	0.82	1.01	<0.05	2.9	0.10	0.68	0.9	33.9
A00334360	0.78	0.53	<0.05	8.1	0.33	1.52	0.2	17.1
A00334401	0.20	0.52	<0.05	0.4	0.09	0.10	2.5	16.1
A00334402	0.12	0.24	<0.05	0.3	0.10	0.07	15.0	7.7
A00334403	0.07	0.10	<0.05	<0.2	0.12	<0.05	6.8	3.9
A00334404	0.18	0.07	0.11	0.3	0.28	0.06	38.2	1.8
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	0.41	0.37	<0.05	7.1	0.12	1.70	0.8	10.1
A00334453	0.23	0.73	<0.05	0.8	0.09	0.17	0.4	21.0
A00334454	0.50	0.42	0.75	5.7	0.44	1.65	3.9	14.8
*Rep A00334318	0.15	0.50	<0.05	0.4	0.02	0.10	0.7	21.5

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Report File No.: 0000019641

Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Tl GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
*Rep A00334453	0.33	0.73	<0.05	0.8	0.09	0.18	0.7	21.2
*Std OREAS920	1.45	1.12	<0.05	19.5	0.91	3.84	3.4	34.0
*Std OREAS902	0.53	0.59	<0.05	11.6	0.73	6.82	4.1	18.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Element Method Det.Lim. Units	@Yb	Al2O3	Ba	CaO	Cr2O3	Fe2O3	K2O	MgO
	GE_ICM40B	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A
	0.1 ppm	0.01 %	0.001 %	0.01 %	0.01 %	0.01 %	0.01 %	0.01 %
A00334301	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334302	0.6	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334303	1.7	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334304	1.7	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	2.6	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334307	0.2	8.82	0.002	5.39	0.15	12.2	0.13	18.3
A00334308	2.0	10.6	0.031	15.7	0.01	5.27	0.85	1.18
A00334309	2.6	13.6	0.037	12.7	0.01	7.10	2.66	2.59
A00334310	0.8	5.19	0.006	3.98	0.03	33.6	0.35	1.82
A00334311	2.3	14.6	0.008	9.30	0.03	12.4	0.69	7.32
A00334312	2.9	14.8	0.013	4.04	0.02	8.34	1.10	5.18
A00334313	0.4	4.47	<0.001	4.74	0.36	9.45	<0.01	23.4
A00334314	0.9	16.1	0.075	1.40	<0.01	3.73	1.27	1.31
A00334315	1.1	16.5	0.016	2.95	<0.01	5.40	0.28	2.39
A00334316	1.2	15.7	0.057	3.48	<0.01	5.32	2.01	1.55
A00334317	1.0	15.3	0.017	2.21	<0.01	5.48	0.36	2.21
A00334318	2.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334319	1.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334320	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334351	1.3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334352	2.8	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334353	2.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334354	0.9	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334355	2.1	15.3	0.005	13.7	0.05	11.7	0.24	6.48
A00334356	0.3	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334357	1.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334358	2.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334359	3.3	14.9	0.021	12.4	0.02	7.15	1.95	2.52
A00334360	1.7	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334401	1.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334402	0.9	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334403	0.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334404	0.2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	0.9	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334453	2.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334454	1.9	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
*Rep A00334318	2.6							

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Element	@Yb	Al2O3	Ba	CaO	Cr2O3	Fe2O3	K2O	MgO
Method	GE_ICM40B	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A
Det.Lim.	0.1	0.01	0.001	0.01	0.01	0.01	0.01	0.01
Units	ppm	%	%	%	%	%	%	%
*Rep A00334453	2.0							
*Std OREAS920	3.4							
*Std OREAS902	2.0							
*Blk BLANK	<0.1							
*Blk BLANK	<0.1							
*Std SY4		20.2	0.033	7.96	<0.01	6.19	1.70	0.52
*Blk BLANK		<0.01	<0.001	<0.01	<0.01	0.01	<0.01	<0.01
*Rep A00334307		8.98	0.002	5.39	0.15	12.0	0.14	18.3

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Element Method Det.Lim. Units	MnO	Na2O	Nb	P2O5	SiO2	Sr	TiO2	Y
	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A
	0.01 %	0.01 %	0.001 %	0.01 %	0.01 %	0.001 %	0.01 %	0.001 %
A00334301	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334302	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334303	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334304	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334305	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334306	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334307	0.23	<0.01	0.003	0.02	37.8	0.002	0.32	<0.001
A00334308	0.60	1.69	0.002	0.20	60.1	0.017	0.52	0.002
A00334309	0.29	4.07	0.003	0.45	46.6	0.022	0.97	0.002
A00334310	0.09	1.38	0.002	0.03	28.8	0.004	0.31	<0.001
A00334311	0.24	3.32	0.004	0.08	50.8	0.012	0.99	0.002
A00334312	0.14	3.89	0.003	0.21	59.8	0.011	0.89	0.002
A00334313	0.14	<0.01	0.002	<0.01	40.8	0.006	0.18	<0.001
A00334314	0.05	6.63	0.002	0.14	68.0	0.017	0.42	<0.001
A00334315	0.08	8.16	0.002	0.32	62.2	0.028	0.70	0.001
A00334316	0.06	4.75	0.002	0.23	64.0	0.029	0.63	0.001
A00334317	0.07	7.23	0.002	0.30	62.9	0.023	0.64	0.001
A00334318	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334319	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334320	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334351	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334352	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334353	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334354	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334355	0.16	1.61	0.004	0.08	48.9	0.020	0.91	0.002
A00334356	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334357	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334358	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334359	0.28	1.58	0.003	0.65	56.4	0.014	0.87	0.003
A00334360	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334401	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334402	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334403	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334404	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334405	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334451	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334453	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A00334454	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	MnO	Na2O	Nb	P2O5	SiO2	Sr	TiO2	Y
	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A	GO_ICP95A
	0.01	0.01	0.001	0.01	0.01	0.001	0.01	0.001
	%	%	%	%	%	%	%	%
*Std SY4	0.11	7.07	0.002	0.14	49.8	0.120	0.28	0.011
*Blk BLANK	<0.01	<0.01	<0.001	<0.01	<0.01	0.001	<0.01	<0.001
*Rep A00334307	0.23	<0.01	0.002	0.02	38.3	0.002	0.32	<0.001

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Report File No.: 0000019641

Element Method Det.Lim. Units	Zn	Zr	LOI
	GO_ICP95A 5 ppm	GO_ICP95A 0.001 %	G_PHY01K -10.000 %
A00334301	N.A.	N.A.	N.A.
A00334302	N.A.	N.A.	N.A.
A00334303	N.A.	N.A.	N.A.
A00334304	N.A.	N.A.	N.A.
A00334305	N.A.	N.A.	N.A.
A00334306	N.A.	N.A.	N.A.
A00334307	172	0.001	13.4
A00334308	53	0.012	4.59
A00334309	90	0.018	7.65
A00334310	171	0.003	18.6
A00334311	96	0.005	0.923
A00334312	84	0.015	2.00
A00334313	49	<0.001	12.3
A00334314	35	0.009	1.06
A00334315	56	0.015	1.16
A00334316	65	0.015	1.04
A00334317	75	0.014	1.41
A00334318	N.A.	N.A.	N.A.
A00334319	N.A.	N.A.	N.A.
A00334320	N.A.	N.A.	N.A.
A00334351	N.A.	N.A.	N.A.
A00334352	N.A.	N.A.	N.A.
A00334353	N.A.	N.A.	N.A.
A00334354	N.A.	N.A.	N.A.
A00334355	70	0.004	1.49
A00334356	N.A.	N.A.	N.A.
A00334357	N.A.	N.A.	N.A.
A00334358	N.A.	N.A.	N.A.
A00334359	89	0.019	1.09
A00334360	N.A.	N.A.	N.A.
A00334401	N.A.	N.A.	N.A.
A00334402	N.A.	N.A.	N.A.
A00334403	N.A.	N.A.	N.A.
A00334404	N.A.	N.A.	N.A.
A00334405	N.A.	N.A.	N.A.
A00334451	N.A.	N.A.	N.A.
A00334453	N.A.	N.A.	N.A.
A00334454	N.A.	N.A.	N.A.
*Std OREAS70B			6.83

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Report File No.: 0000019641

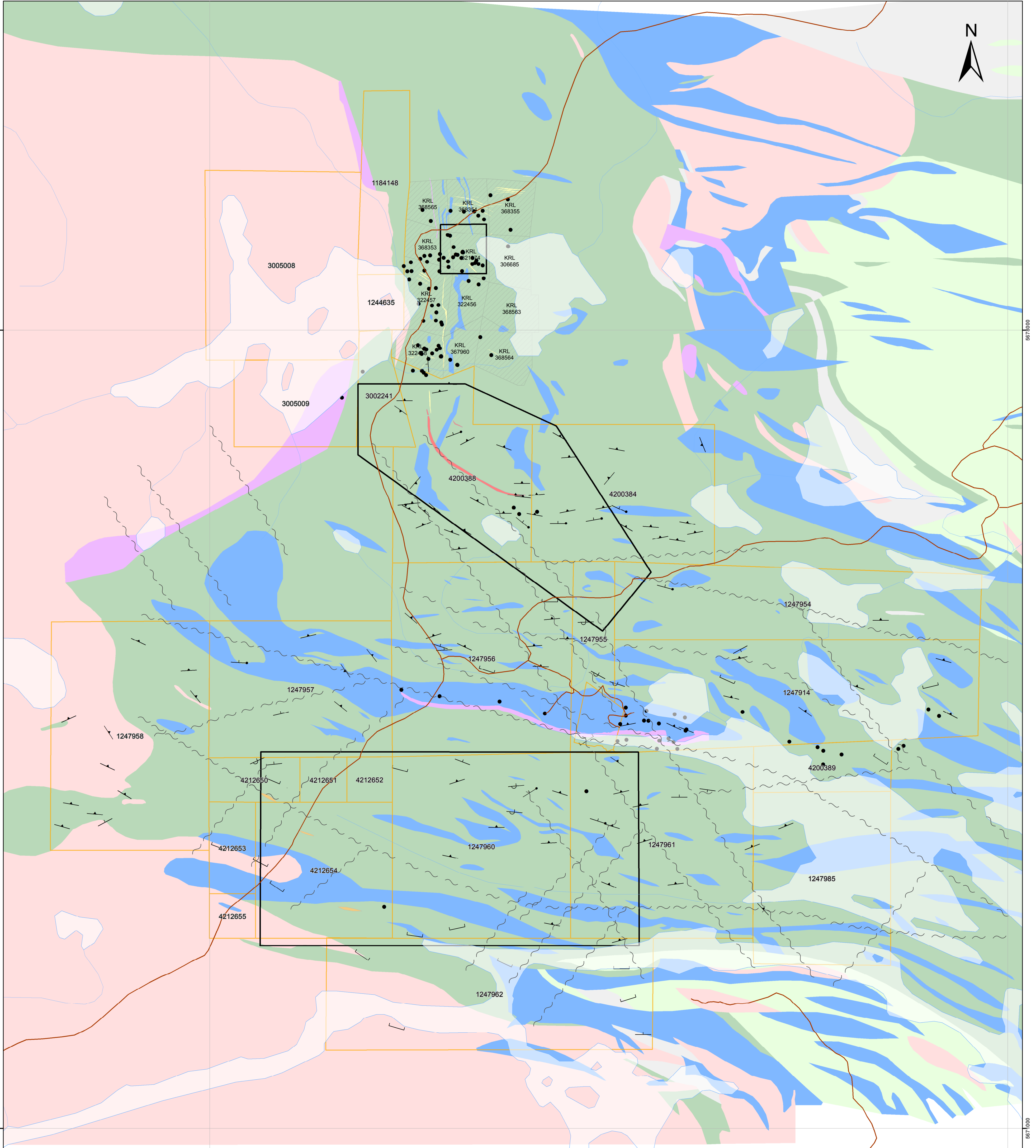
Element	Zn	Zr	LOI
Method	GO_ICP95A	GO_ICP95A	G_PHY01K
Det.Lim.	5	0.001	-10.000
Units	ppm	%	%
*Std SY4	98	0.056	
*Blk BLANK	<5	<0.001	
*Rep A00334307	174	0.001	
*Rep A00334307			13.3

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## **APPENDIX C**

### **Geological map of Skinner Project**



— Logging Roads

~ Rivers

~ Waterbody

**Mineral Tenure**

□ Claim

▨ Lease

□ 2016 Area of work

• Drill collars

**Structural Data**

┆ Bedding, top unknown

┆ Bedding upright

┆ Bedding, top overturned

[ Joint

┆ Foliation

~ Fault

**Regional Geology**

■ Rusty Schist

■ Mafic Volcanics

■ Intermediate Volcanics

■ Clastic Sediments

■ Oxide Iron Formation

■ Ultramafic Intrusions

■ Mafic Intrusions

■ Felsic Intrusions

■ Granitoids

1:17,500



Kilometers

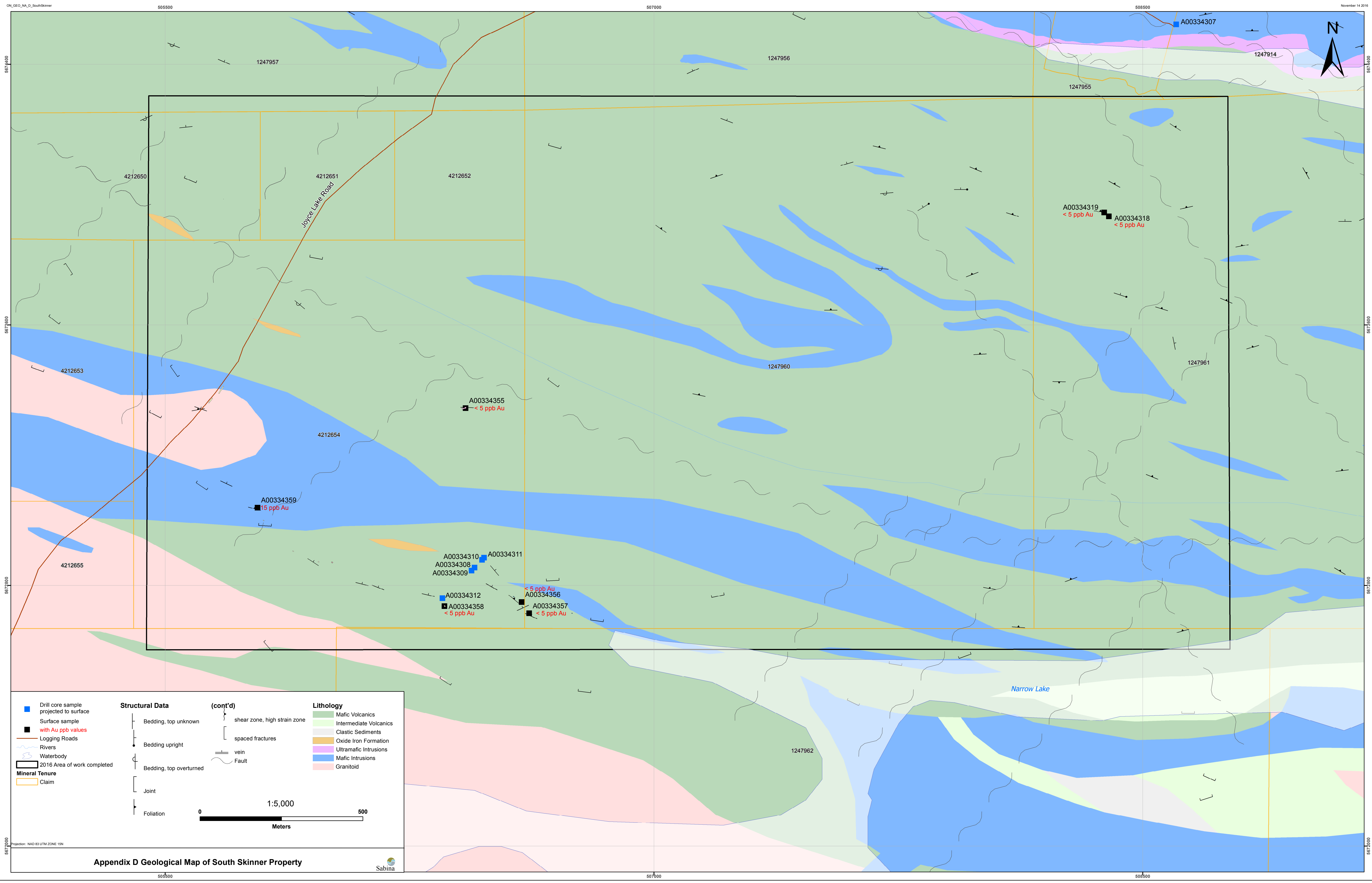
Projection: NAD 83 UTM ZONE 15N

Appendix C Geological Map of Skinner Project



## **APPENDIX D**

### **Geological map of South Skinner Property**



<ul style="list-style-type: none"> <li><span style="color: blue;">■</span> Drill core sample projected to surface</li> <li><span style="color: black;">■</span> Surface sample with Au ppb values</li> <li><span style="color: brown;">—</span> Logging Roads</li> <li><span style="color: blue;">~</span> Rivers</li> <li><span style="color: lightblue;">—</span> Waterbody</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 2016 Area of work completed</li> <li><span style="border: 1px solid orange; display: inline-block; width: 10px; height: 10px;"></span> Mineral Tenure</li> <li><span style="border: 1px solid orange; display: inline-block; width: 10px; height: 10px;"></span> Claim</li> </ul>	<p><b>Structural Data</b></p> <ul style="list-style-type: none"> <li><span style="color: black;">—</span> Bedding, top unknown</li> <li><span style="color: black;">—</span> Bedding upright</li> <li><span style="color: black;">—</span> Bedding, top overturned</li> <li><span style="color: black;">—</span> Joint</li> <li><span style="color: black;">—</span> Foliation</li> </ul>	<p><b>(cont'd)</b></p> <ul style="list-style-type: none"> <li><span style="color: black;">—</span> shear zone, high strain zone</li> <li><span style="color: black;">—</span> spaced fractures</li> <li><span style="color: black;">—</span> vein</li> <li><span style="color: black;">—</span> Fault</li> </ul>	<p><b>Lithology</b></p> <ul style="list-style-type: none"> <li><span style="color: green;">—</span> Mafic Volcanics</li> <li><span style="color: lightgreen;">—</span> Intermediate Volcanics</li> <li><span style="color: lightgrey;">—</span> Clastic Sediments</li> <li><span style="color: orange;">—</span> Oxide Iron Formation</li> <li><span style="color: purple;">—</span> Ultramafic Intrusions</li> <li><span style="color: blue;">—</span> Mafic Intrusions</li> <li><span style="color: pink;">—</span> Granitoid</li> </ul>
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1:5,000

0  500

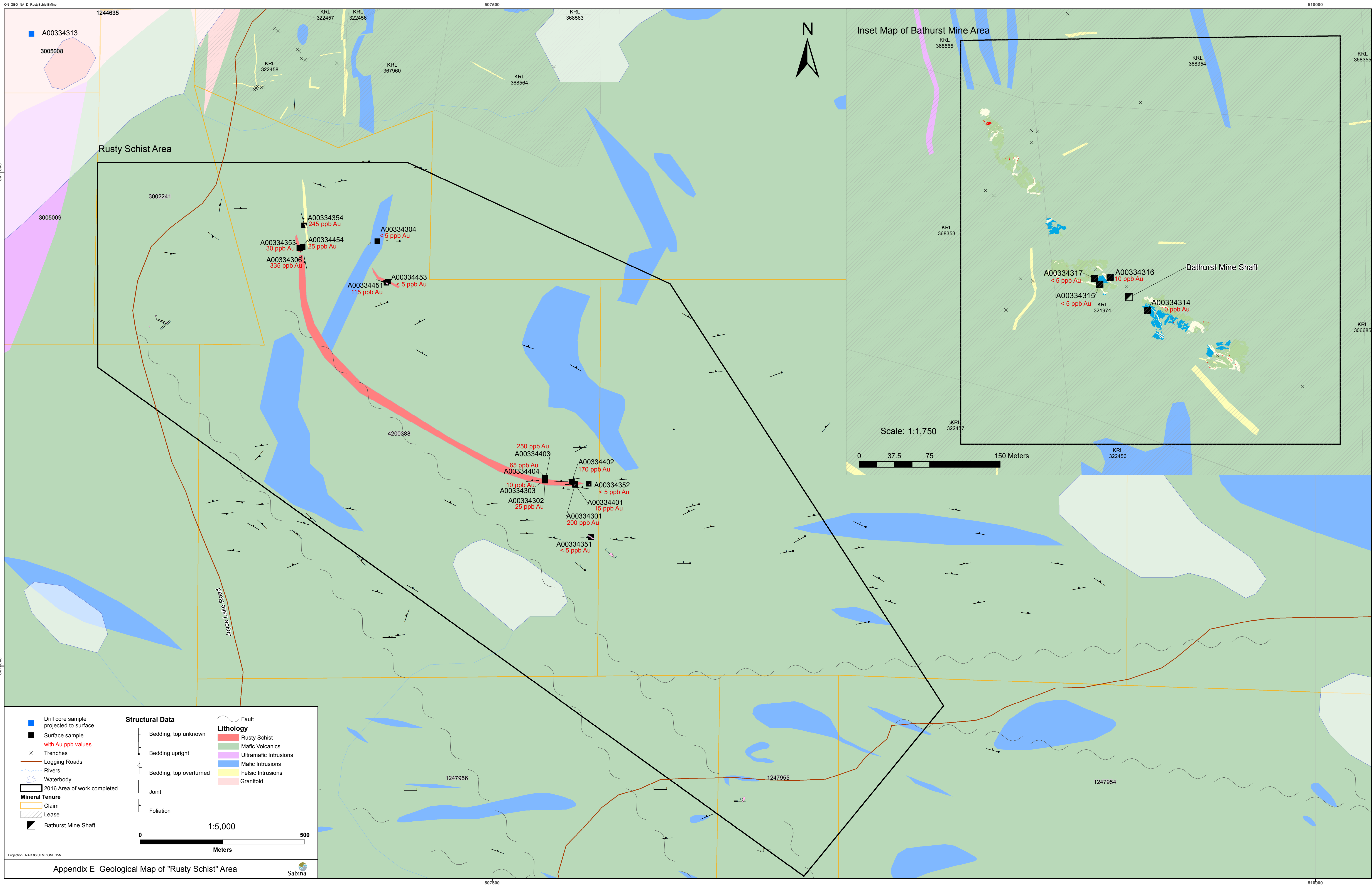
Meters

Appendix D Geological Map of South Skinner Property



## **APPENDIX E**

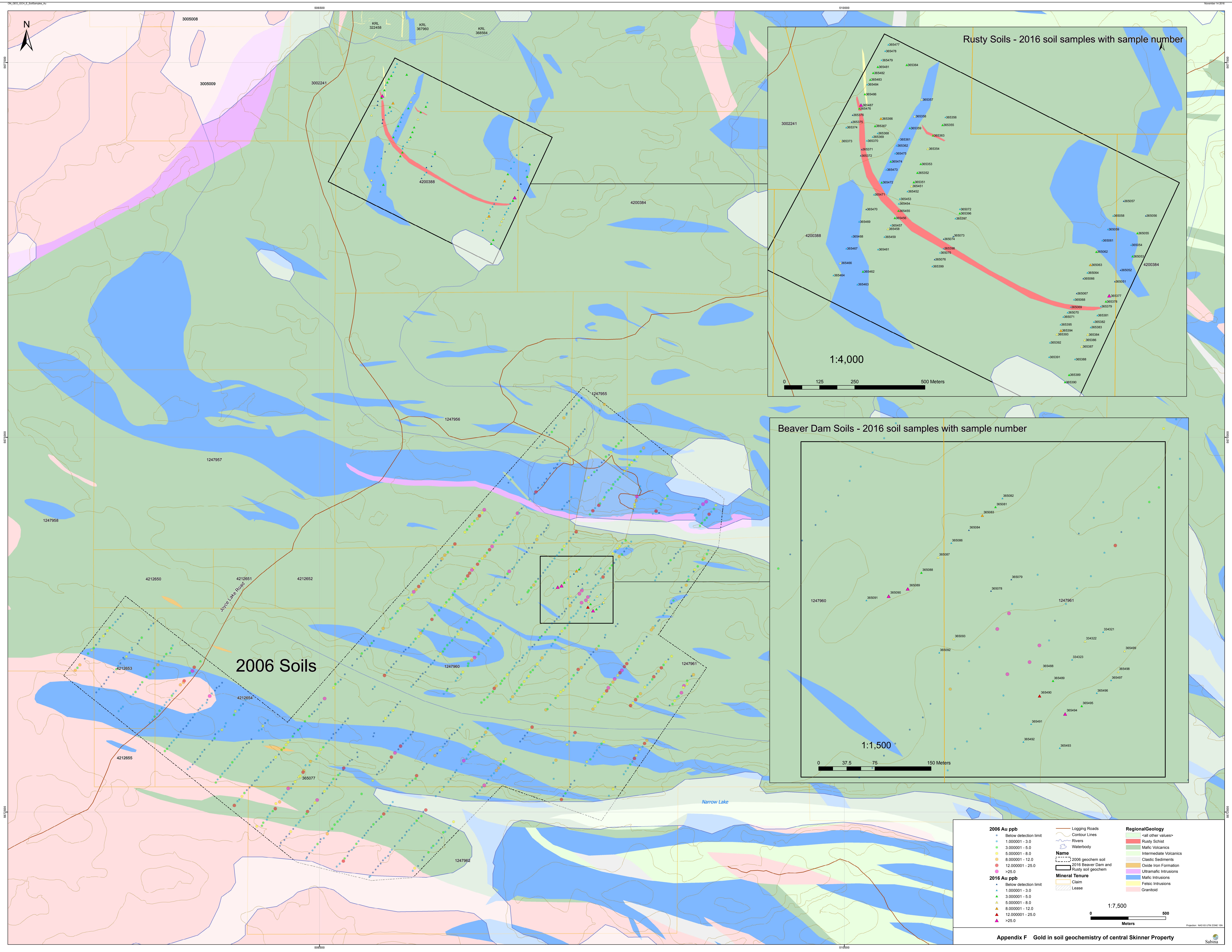
### **Geological map of Rusty Schist area**





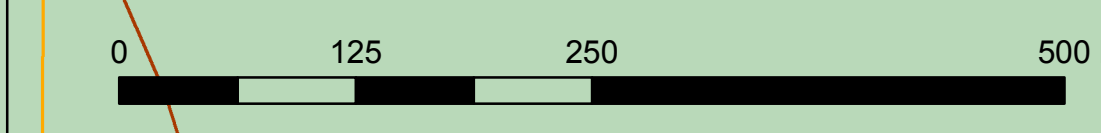
## **APPENDIX F**

### **Gold in soil geochemistry of central Skinner Property**



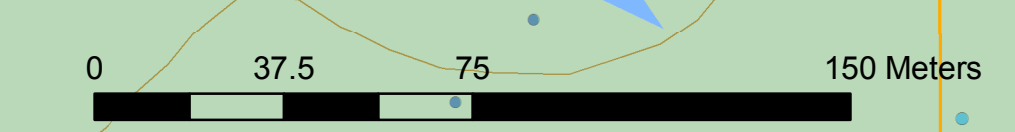
Rusty Soils - 2016 soil samples with sample number

1:4,000



Beaver Dam Soils - 2016 soil samples with sample number

1:1,500



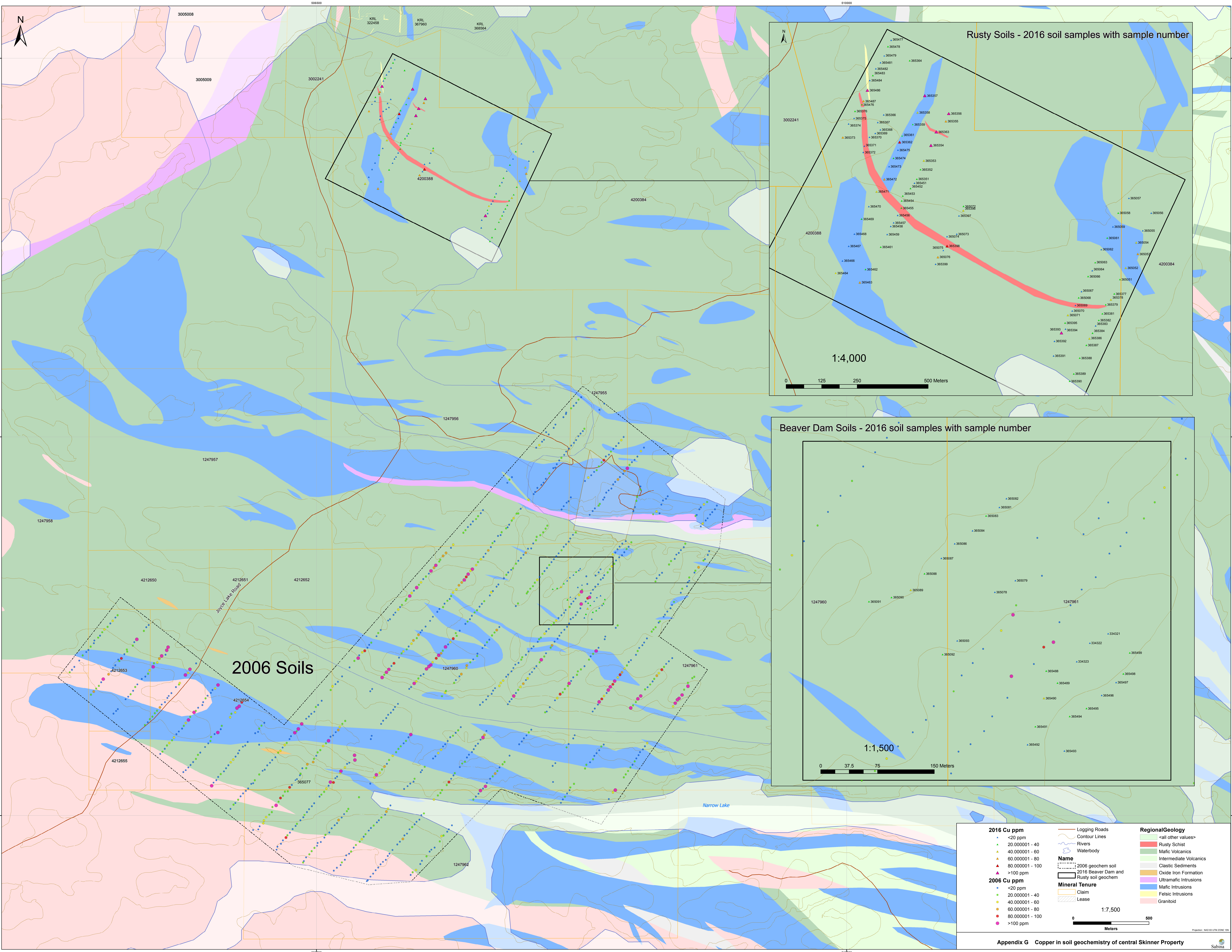
2006 Soils

<p><b>2006 Au ppb</b></p> <ul style="list-style-type: none"> <li>Below detection limit</li> <li>1.000001 - 3.0</li> <li>3.000001 - 5.0</li> <li>5.000001 - 8.0</li> <li>8.000001 - 12.0</li> <li>12.000001 - 25.0</li> <li>&gt;25.0</li> </ul> <p><b>2016 Au ppb</b></p> <ul style="list-style-type: none"> <li>Below detection limit</li> <li>1.000001 - 3.0</li> <li>3.000001 - 5.0</li> <li>5.000001 - 8.0</li> <li>8.000001 - 12.0</li> <li>12.000001 - 25.0</li> <li>&gt;25.0</li> </ul>	<ul style="list-style-type: none"> <li>Logging Roads</li> <li>Contour Lines</li> <li>Rivers</li> <li>Waterbody</li> </ul> <p><b>Name</b></p> <ul style="list-style-type: none"> <li>2006 geochem soil</li> <li>2016 Beaver Dam and Rusty soil geochem</li> <li>&gt;25.0</li> </ul> <p><b>Mineral Tenure</b></p> <ul style="list-style-type: none"> <li>Claim</li> <li>Lease</li> </ul>	<p><b>Regional Geology</b></p> <ul style="list-style-type: none"> <li>&lt;all other values&gt;</li> <li>Rusty Schist</li> <li>Mafic Volcanics</li> <li>Intermediate Volcanics</li> <li>Clastic Sediments</li> <li>Oxide Iron Formation</li> <li>Ultramafic Intrusions</li> <li>Mafic Intrusions</li> <li>Felsic Intrusions</li> <li>Granitoid</li> </ul>
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0 17,500 500  
Meters

## **APPENDIX G**

### **Copper in soil geochemistry of central Skinner Property**



Rusty Soils - 2016 soil samples with sample number

1:4,000

0 125 250 500 Meters

Beaver Dam Soils - 2016 soil samples with sample number

1:1,500

0 37.5 75 150 Meters

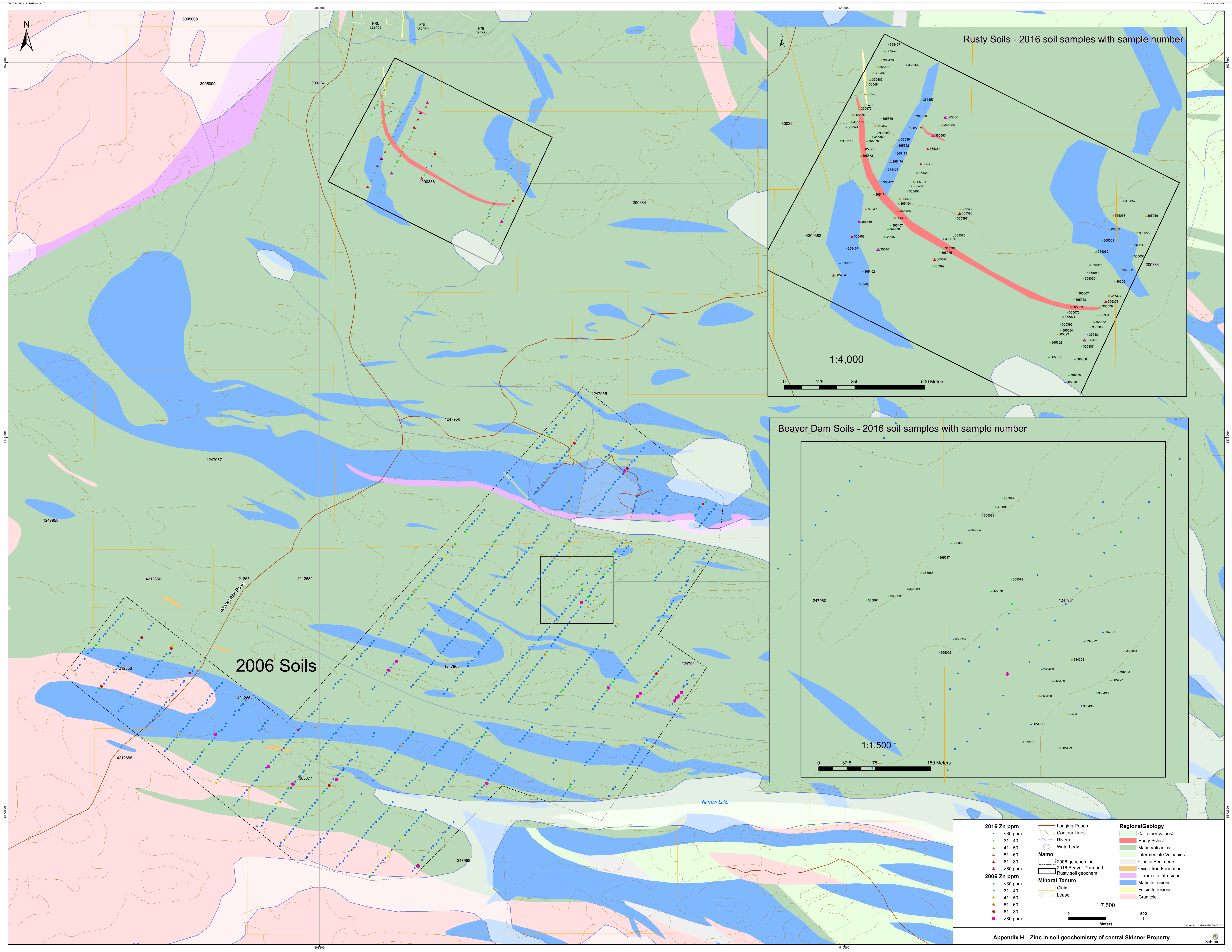
2006 Soils

<p><b>2016 Cu ppm</b></p> <ul style="list-style-type: none"> <li>• &lt;20 ppm</li> <li>• 20.000001 - 40</li> <li>• 40.000001 - 60</li> <li>• 60.000001 - 80</li> <li>• 80.000001 - 100</li> <li>• &gt;100 ppm</li> </ul> <p><b>2006 Cu ppm</b></p> <ul style="list-style-type: none"> <li>• &lt;20 ppm</li> <li>• 20.000001 - 40</li> <li>• 40.000001 - 60</li> <li>• 60.000001 - 80</li> <li>• 80.000001 - 100</li> <li>• &gt;100 ppm</li> </ul>	<ul style="list-style-type: none"> <li>— Logging Roads</li> <li>— Contour Lines</li> <li>— Rivers</li> <li>— Waterbody</li> </ul> <p><b>Name</b></p> <ul style="list-style-type: none"> <li>--- 2006 geochem soil</li> <li>--- 2016 Beaver Dam and Rusty soil geochem</li> </ul> <p><b>Mineral Tenure</b></p> <ul style="list-style-type: none"> <li>□ Claim</li> <li>□ Lease</li> </ul>	<p><b>Regional Geology</b></p> <ul style="list-style-type: none"> <li>— all other values—</li> <li>— Rusty Schist</li> <li>— Mafic Volcanics</li> <li>— Intermediate Volcanics</li> <li>— Clastic Sediments</li> <li>— Oxide Iron Formation</li> <li>— Ultramafic Intrusions</li> <li>— Mafic Intrusions</li> <li>— Felsic Intrusions</li> <li>— Granitoid</li> </ul>
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1:7,500  
0 500 Meters

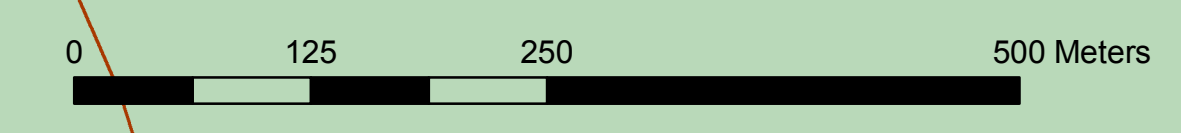
## **APPENDIX H**

### **Zinc in soil geochemistry of central Skinner Property**



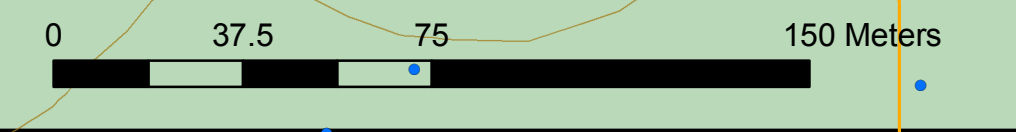
Rusty Soils - 2016 soil samples with sample number

1:4,000



Beaver Dam Soils - 2016 soil samples with sample number

1:1,500



- |   |  |  |
|---|--|--|
| <p><b>2016 Zn ppm</b></p> <ul style="list-style-type: none"> <li>• &lt;30 ppm</li> <li>• 31 - 40</li> <li>• 41 - 50</li> <li>• 51 - 60</li> <li>• 61 - 80</li> <li>• &gt;80 ppm</li> </ul> <p><b>2006 Zn ppm</b></p> <ul style="list-style-type: none"> <li>• &lt;30 ppm</li> <li>• 31 - 40</li> <li>• 41 - 50</li> <li>• 51 - 60</li> <li>• 61 - 80</li> <li>• &gt;80 ppm</li> </ul> | <ul style="list-style-type: none"> <li>— Logging Roads</li> <li>— Contour Lines</li> <li>— Rivers</li> <li>— Waterbody</li> </ul> <p><b>Name</b></p> <ul style="list-style-type: none"> <li>- - - 2006 geochem soil</li> <li>▭ 2016 Beaver Dam and Rusty soil geochem</li> </ul> <p><b>Mineral Tenure</b></p> <ul style="list-style-type: none"> <li>▭ Claim</li> <li>▭ Lease</li> </ul> | <p><b>Regional Geology</b></p> <ul style="list-style-type: none"> <li>▭ &lt;all other values&gt;</li> <li>▭ Rusty Schist</li> <li>▭ Mafic Volcanics</li> <li>▭ Intermediate Volcanics</li> <li>▭ Clastic Sediments</li> <li>▭ Oxide Iron Formation</li> <li>▭ Ultramafic Intrusions</li> <li>▭ Mafic Intrusions</li> <li>▭ Felsic Intrusions</li> <li>▭ Granitoid</li> </ul> |
|---|--|--|

