

Verification Rock/Soil Geochemical Survey and Petrographic Report on the South Rim Property

Omineca Mining Division British Columbia
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Latitude 53 27 North – Longitude 127 22 West
UTM Zone 9, NAD 83
5923000N 611000E

BC Geological Survey
Assessment Report
31796

For

Operator:
Downtown Industries

And

Owner:
St. Elias Mines

By

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3.0 SUMMARY

The South Rim property is prospective for shear hosted gold-silver-molybdenum-copper mineralization. The property consists of 21 contiguous claim blocks that covers known early stage structurally controlled gold bearing polymetallic vein occurrences identified in the BC Ministry of Mines (BCMEM) Minfile database as the COLES SHOWING (Minfile No. 093E110) and CINDERELLA SHOWING (Minfile No. 093E106). The claims are located in the Tahtsa Lake-White Sail Lake Exploration District approximately 30 kilometers south of the Huckleberry Mine.

The South Rim Property is situated south of Coles Lake, west of Coles Creek, north of Little White Sail Lake. Present access is by helicopter from Smithers, Houston or Burns Lake. It is approximately 0.7 and 0.9 hours to the property by helicopter from Houston and Smithers, respectively.

Molybdenite mineralization was first noted in float boulders by Al Potter while prospecting in the area in 1967. During 1978, Silver Standard Mines Limited conducted prospecting in the area. Extremely high molybdenite values were noted from float in moraine material which was traced for over 600 metres up slope almost to the edge of the glacier. Assay values of from 0.042 to 1.28% Mo were reported with a 256 pound grab sample taken by Mr. Potter in 1967 assaying 0.12% Mo. The molybdenite was observed to occur in pockets with sericitization of the adjacent rocks resulting in a green tint to the plagioclase.

Four kilometres to the east of the molybdenite mineralization quartz veins containing anomalous gold mineralization were first noted in the area during the summer of 1982 by Richards, Suratt, Holden and Bell while engaged in a reconnaissance exploration program in the Whitesail Lake area. Early work was targeting the anomalous precious metal values noted in the north trending structures. Epithermal quartz veins and silicified rocks are associated with shear zones and range from stringers to three metres in width. The quartz is described as generally white, and occurring as vuggy, coxcomb, sugary, massive and cherty types in veins that are discrete, banded, stockworks or boxwork structures (Richards, 1984). Twelve mineralized showings were identified with the best Au assay of 24 ppm over a meter.

The 2010 exploration program carried out by Downtown Industries consisted of a geological review of the Tahtsa Lake to White Sail Lake Exploration District, a GIS compilation of all historic technical data within and adjoining the South Rim Property, a lineament study from a 2007 orthophoto, a petrographic study, a verification rock geochemical sampling and infill soil sampling program designed to evaluate the on strike projections of known mineral showings. A total of 1283 soil samples and 81 rock samples were collected during the 2010 exploration program.

The results of the 2010 exploration program successfully verified the known mineral showings referred to as “Main Creek”, “High View”, “East Side”, “Center View”, and “V.P” showings.

Gold values up to 3460 ppb were observed on the property. The petrographic study verified the epithermal nature of the mineralization. The lineament study successfully showed a correlation between known mineralization and large scale first order lineament observations. The lineament study also indicated 3 favourable directions of mineralization and identified a number of structures that could hold the potential of undiscovered mineralization.

In the authors opinion based on the results of the 2010 exploration program the South Rim property is a property of merit and deserves further exploration.

4.0 Property Description and Location

4.1 Property Description and Location

St. Elias Mines holds a 100% interest in 21 contiguous mineral tenures (8,221.51 hectares) that cover a staircase shaped triangle of ground located approximately 25 kilometers south of Huckleberry in west central BC. All of the claims which comprise the South Rim Property were staked pursuant to the BC Ministry of Energy and Mines MTO system (Mineral Titles Online System). The earliest expiry date of the claim package is October 15, 2010. The location of the property relative to other mining claims, local communities, parks and access roads is shown in Figure 1. The individual claim tenure numbers are shown in Figure 4. The South Rim the property is located within the NTS Mapsheet 92E06.

The mineral cell title claim statistics are summarized in Table 1; note that this claim information is not a legal title opinion but is a compilation of claims data based on the author's review of the government of the British Columbia Mineral Rights inquiry website (BC Mineral Titles September 25, 2010). The mineral claims do not have to be legally surveyed; since they are BC Government established mineral cell title claim.

Table 1. Mineral Tenures for the South Rim Property

Tenure Number	Tenure Name	Owner	Tenure Type	Old Good To Date	New Good To Date*	Area (ha)
	COLES LAKE					
622743	SOUTH	St. Elias Mines	Mineral	2010/oct/15	2012/oct/15	481.436
622803	CLS AU	St. Elias Mines	Mineral	2010/oct/15	2012/oct/15	77.0037
622823	CLS AU 2	St. Elias Mines	Mineral	2010/oct/15	2012/oct/15	77.0257
629463	ELMO	St. Elias Mines	Mineral	2010/oct/15	2012/oct/15	96.2648
703886	CLS 3	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.4564
703887	CLS 4	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.3676
703890	CLS 5	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	442.6953
703904	CLS 6	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	38.5036
703923	CLS 7	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.2595
703925	CLS 8	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.3436
703926	CLS 9	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.5863
703928	CLS 10	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.0766
703929	CLS 11	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.279
703931	CLS 12	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.0799
703932	CLS 13	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.2656
703933	CLS 14	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.6284
703934	CLS 15	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.1529
703935	CLS 16	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	288.6033
703943	CLS 16	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	481.8114
703944	CLS 17	St. Elias Mines	Mineral	2011/jan/21	2012/oct/15	462.498
703963	703963	St. Elias Mines	Mineral	2011/jan/22	2012/oct/15	481.1751
Total Area						8221.513

*With the acceptance of this report

5.0 Accessibility, Infrastructure, Climate and Physiography

5.1 Accessibility and Infrastructure

The South Rim Property is situated south of Coles Lake, west of Coles Creek and north of Little White Sail Lake approximately 30 kilometers south of the Huckleberry Mine. Present access is by helicopter from Smithers, Houston or Burns Lake. It is approximately 0.7 and 0.9 hours to the property by helicopter from Houston and Smithers, respectively.

The Morice-Tahtsa forest service road (Huckleberry Mine road) leads to a suitable gravel pit/staging area, 4 kilometers west of the 113 kilometer turn off. From this staging area the South Rim property is approximately 0.2 hours south. Driving time from Houston to the Huckleberry staging area is approximately 1.5 hours. Experienced field personnel and drilling contractors are available in the community of Smithers.

5.2 Climate and Physiography

The South Rim property extends south from Coles Lake and covers ground rising from 900 metres to about 1,900 metres above sea-level. The claims continue, to the south, to the north western shore of Little White-sail Lake at about 853m elevation above sea level. The topography varies from mountainous in the central claims area to hilly and locally flat in the northern claims. The south side of the mountainous terrain is very steep and rugged to the northern shore of Little White Sail Lake. Several lakes and streams on the property carry adequate amounts of water for exploration and mining. Mature balsam and hemlock cover much of the northern and eastern lower elevations of the property while the western upper elevations are sparsely covered by subalpine scrub. Swampland occurs in areas near Coles Lake. Glaciers and moraine material occur on the mountainous western part of the property south of Coles Lake. Snow is present on the property from mid-October until about early-June.

6.0 History of Exploration

6.1 Exploration carried out by Silver Standard Mines (ARIS: 7801)

Molybdenite mineralization was first noted in float boulders by Al Potter while prospecting in the area in 1967. During 1978, Silver Standard Mines Limited conducted prospecting in the area. Extremely high molybdenite values were noted from float in moraine material which was traced for over 600 metres up slope almost to the edge of the glacier. Assay values of from 0.042 to 1.28% Mo were reported with a 256 pound grab sample taken by Mr. Potter in 1967 assaying 0.12% Mo. The molybdenite was observed to occur in pockets with sericitization of the adjacent rocks resulting in a green tint to the plagioclase. Elevated radioactivity was noted in mineralized alaskite, possibly caused by secondary uranium salts. Early sampling by Mr. Potter returned assays of from 4.0 PPM to 0.029% U₃O₈, in addition to the significant assays of Mo and up to 5.70% F. Float material of calcareous volcanics with up to 50% garnet, 10% pyrite, minor chalcopyrite, galena, sphalerite and some molybdenite were also reported by Mr. Potter from the eastern contact of the intrusive. There is no record of the source of this material being evaluated.

Silver Standards claim outline with respect to the South Rim property is shown in Figure 4. Silver Standards maps have been georeferenced and sample locations have been plotted in Figure 5. The molybdenum float train identified by Al Potter is shown in Figure 6. Associated geochemistry and UTM coordinates for these samples was compiled and can be found in Appendix 3. A summary of work done by Silver Standards on ground currently covered by the South Rim property is provided in Table 2.

Table 2. Summary of Work Carried out by Silver Standards

Owner/Property	Geochemist ry	Geophysics	Trenching	Drilling	Reference
Silver Standard Mines HAM	15 rocks 30 silt				Potter, A.R.C (1979) ARIS: 7801

6.2 Exploration carried out by Nuspar Resources (ARIS: 12666, 12802, 13070, 13866, 14531)

Quartz veins containing anomalous gold mineralization were first noted in the area during the summer of 1982 by Richards, Suratt, Holden and Bell while engaged in a reconnaissance exploration program in the Whitesail Lake area. The Cole 1 through 4 claims were subsequently staked in 1983 by Dr. Tom Richards and were optioned to Nuspar Resources Ltd. Work in 1984 and 1985 included geological mapping, prospecting and rock geochemistry. This work was targeting the anomalous precious metal values noted in the north trending structures lying to the east of the intrusive contact. Epithermal quartz veins and silicified rocks are associated with shear zones and range from stringers to three metres in width. The quartz is described as generally white, and occurring as vuggy, coxcomb, sugary, massive and cherty types in veins that are discrete, banded, stockworks or boxwork structures (Richards, 1984). Pyrite is the dominant sulphide, ranging from nil to 10%; minor chalcopyrite was also reported. All the veins are accompanied by some degree of alteration along the selvage of the shear or vein.

Propylitization is the most common alteration, extending from less-than one meter to in excess of 5 meters from the vein margin. Bleaching (argillic alteration) is most noted immediately adjacent vein walls and in fragments of wall rock included within the vein.

Seven showings were identified: High View Showing, Camp View Showing, Center View Showing, Chalco Showing, South Side Showing, Low View Showing and East Side Showing. All significant mineralization was found to be related to shear zones. The claims were allowed to lapse.

Nuspar Resources claim outline with respect to the South Rim property is shown in Figure 4. Nuspar Resources maps have been georeferenced and sample locations have been plotted in Figure 5. The showings identified by Nuspar Resources are shown in Figure 6. Associated geochemistry and UTM coordinates for these samples was compiled and can be found in Appendix 3. A summary of work done by Nuspar Resources on ground currently covered by the South Rim property is provided in Table 3.

Table 3. Summary of Work Carried out by Nuspar Resources

Owner/Property	Geochemistry	Geophysics	Trenching	Drilling	Reference
Nuspar Resources Cole Property	78 rocks 52 soils				Richards, T.A. (1984a) ARIS: 12666
Nuspar Resources Swimming Bear & Sleeping Giant	78 rock 6 silt				Richards, T.A. (1984b) ARIS: 12802
Gradison, C.A. Cinderella Group	30 rock				Richards, T.A. (1984c) ARIS: 13070
Nuspar Resources Swimming Bear & Sleeping Giant		Ground: VLF-EM 15 line km			Richards, T.A. (1985a) ARIS: 13866
Nuspar Resources Coles Property	134 rock				Richards, T.A. (1985b) ARIS: 14531

6.3 Exploration carried out by QPX Minerals (ARIS: 16677, 17962)

In 1987 the claims were restaked and optioned to QPX Minerals Inc. During 1987, Mine Quest Exploration Associates Ltd. performed preliminary geological mapping, rock chip sampling and soil sampling. A further five mineralized showings were discovered. These include the Amethyst, Main Creek, Northwest, V.P. and West Side showings. Gold values range from trace to 24,000 ppb across 1 metre (Chalco Showing, L.J.Lee, 1987). Significant silver values (25.6

ppm in float) as well as anomalous values of As, Sb, Bi, Se, and Te have been detected. At the West Side Showing, while neither gold or silver were anomalous, values of up to 1,500 ppb Hg and 5,723 ppm As, with anomalous Sb, Se and Te were reported (L.J.Lee, 1987).

QPX Minerals claim outline with respect to the South Rim property is shown in Figure 4. QPX Minerals maps have been georeferenced and sample locations have been plotted in Figure 5. QPX Minerals maps have been georeferenced and sample locations have been plotted in Figure 6. Associated geochemistry and UTM coordinates for these samples was compiled and can be found in Appendix 3. A summary of work done by Nuspar Resources on ground currently covered by the South Rim property is provided in Table 4.

Table 4. Summary of Work Carried out by QPX Resources

Owner/Property	Geochemistry	Geophysics	Trenching	Drilling	Reference
QPX Minerals Cole Property	74 rocks 3 silt 126 soils				Lee, L.J. (1987) ARIS: 16677
QPX Minerals Cole Property	78 rocks				Gourlay, A.W. (1988) ARIS: 17962

6.4 Exploration carried out by Hi Ho Silver Resources (ARIS: 29662)

In 2007 Hi Ho Silver Resources put a field program together to relocate, sample and find the source of the previously reported high grade molybdenite mineralization, found by Silver Standards and to carry out reconnaissance geological mapping to look for prospective geology and mineralized showings. An area of approximately three square kilometres was mapped in a reconnaissance fashion. Five float samples were collected that returned anomalous values of Mo, Cu, Pb and Zn.

Table 5. Summary of Work Carried out by Hi Ho Silver Resources

Owner/Property	Geochemistry	Geophysics	Trenching	Drilling	Reference
Hi Ho Silver South Rim Property	5 rocks				Reynolds, P. (2007) ARIS: 29662

7.0 Geological Setting

Regional mapping of the Whitesail area by Duffell (1959), Hodder and MacIntyre (1980), Tipper et al. (1979) and Woodsworth (1980) shows that the area of interest lies along the eastern margin of the Coast Plutonic Complex. Lower Jurassic volcanics and interbedded sediments of the Hazelton Group predominate to the east of this complex. Overlying the Hazelton volcanics are epiclastic rocks of the Upper Jurassic Ashman Formation and the Lower Cretaceous Skeena Group. These are in turn overlain by the Upper Cretaceous volcanic rocks of the Kasalka Group. Finally, Tertiary volcanism deposited the siliceous volcanic rocks of the Ootsa Lake Group and the basalts of the Endako Group. Intrusive rocks, ranging in composition from granites to gabbros, are also present in the area. These intrusives vary in age from Tertiary to possible as old as Paleozoic (Figure 2).

Richards (1984) and Woodsworth (1980) have mapped a resurgent caldera, at least 20 km in diameter, immediately north of the claims. The collapsed caldera center consists of Kasalka and Skeena Group rocks, with a number of intrusions. Several potentially economic mineral deposits occur in association with small granodiorite stocks which may be located at the intersection of ring and radial fractures related to the caldera formation (Hodder and MacIntyre, 1980). It appears that a section of the caldera ring fractures zone underlies the South Rim property. The area of interest is also cut by a series of north to north-easterly trending faults (Figure 3).

Mapping on the South Rim Property has shown that the area is primarily underlain by volcanic and minor sedimentary rocks of the Lower Jurassic Telkwa Formation of the Hazelton Group (Figure 3). The rocks generally dip steeply north-west and consist mainly of subaerial, thick-bedded purple to green lapilli tuffs and volcanic breccias. Minor interbedded sediments, mainly mudstones, are also present. Intermediate dykes are relatively common cutting through the volcanics. A series of north trending faults cross the property. Less major northeast and northwest trending faults are also present. The faults are generally marked by steep banked creeks; quartz-feldspar porphyry dykes often occur in the fault zones. Richards (1985) reports the presence of hornblende - feldspar porphyry dykes, in addition to those mentioned above. Fault breccias, silicified zones and quartz-carbonate veining are also common in fault zones. According to Richards (1985), the western most creek present on the property represents a major north to northwest trending shear zone. Rocks to the west of the fault consist of indurated and hornfelsed Hazelton Group volcanics. The volcanics are cut by numerous dykes associated with the nearby Coast Intrusions. The normal component of the fault is thought to be down to the east. It is believed that the vein system resulted from tension-gash openings resulting from movement along this fault. The movement is thought to be coincident with the emplacement of the Coast intrusions and evolution of the Tahtsa caldera. Mineralization developed as a result of volcanic-tectonic activities.

8.0 Deposit Types

References for deposit characteristics are the British Columbia government mineral deposit profiles web site and the Northern Miner “Geology 101” web site (Section 21 References).

Shear Hosted Gold-Silver ($\pm$ polymetallic) Vein deposits

South Rim property mineralization is similar to most shear related lode gold deposits. Mineralization is epigenetic in nature and formed from structurally focussed hydrothermal fluids, which create a system of low sulphide quartz veins, veinlets or stockworks. These deposits are normally associated with major regional scale structural “breaks” or faults. Deposits are often located in or near a plutonic body. Vein systems often occur in the central parts of discrete shear zones within a larger regional fault, where rotational or simple shear strains predominate. Vein systems are tabular, sub vertical structures of varying thickness and lateral extent; where typical thickness is measured in metres and the strike-dip dimensions are measured in tens or hundreds of metres. The economically viable part of the vein system may be considerably smaller than the whole shear system; often forming discreet shoots of mineralization. Precious metal mineralization often occurs as coarse individual grains. As a result of the coarse individual grains this type of deposit difficult to evaluate, due to a “nugget effect” on sample analyses.

Quartz veins usually have sharp contacts with wallrocks and exhibit a variety of textures, including massive, ribboned or banded and stockworks with anastomosing gashes and dilations. Textures may be modified or destroyed by subsequent deformation. Wallrock alteration is characterized by silicification, pyritization and potassium metasomatism generally occurring adjacent to veins (usually within a metre) within a broader zone of carbonate alteration, extending up to tens of metres from the veins. Quartz-carbonate altered rock (listwanite) and pyrite are often the most prominent alteration minerals in the wallrock. Fuchsite, sericite, tourmaline and scheelite are common where veins are associated with felsic to intermediate intrusions.

Ore mineralogy can include: gold, silver, arsenopyrite, chalcopyrite, pyrite, sphalerite, tetrahedrite, argentite, pyrrhotite, galena, tellurides, scheelite, and bismuth.

Gangue mineralogy includes: quartz and carbonate (calcite, dolomite, ankerite or siderite), hematite-limonite, mariposite (fuchsite), sericite, muscovite, chlorite, tourmaline, graphite.

Typical geophysical signature: Associated structures may be defined by ground magnetic, very low frequency or electromagnetic surveys. Airborne surveys may identify prospective regional-scale major structures.

Other similar British Columbia lode gold deposits include Bralorne-Pioneer and Premier mining camps. Other well-known examples of lode gold mining camps are Red Lake (Ontario) and Kirkland Lake (Ontario).

9.0 Exploration

9.1 Summary of exploration work carried out in 2010

The 2010 exploration program carried out by Downtown Industries consisted of a geological review of the Tahtsa Lake to White Sail Lake Exploration District, a GIS compilation of all historic technical data within and adjoining the South Rim Property, a lineament study from a 2007 orthophoto, a petrographic study, a verification rock geochemical sampling and infill soil sampling program designed to evaluate the on strike projections of known mineral showings referred to by QPX Minerals as “Main Creek”, “High View”, “East Side”, “Center View”, and “V.P” showings. A total of 1285 soil samples and 81 rock samples were collected during the 2010 exploration program. The location of each soil and rock sample station was noted, in UTM coordinates (NAD83 zone 9), with the aid of a hand-held GPS (Garmin 60CSx) and are shown in Figures 7, 8 and LF1 and they are also listed in Appendix 2 and 3.

The soil grid covered an area of 1.5 km x 1.0 km with station spacing at 25m in the east-west direction and line spacing at 50m in the north-south direction.

All samples collected during the 2010 exploration program were submitted to SGS (formerly Assayers Canada), of Vancouver, for analysis. Rock samples were crushed, split, and ring pulverized (250g, > 95% -150 mesh). 15 grams of the -150 mesh (<106 µm) sieved fraction of the rock sample was fire assayed with an atomic absorption finish for gold and 0.5 grams of the sample was digested with 5 mL 3:1 HCl/HNO₃ at 950C for 2 hours and diluted to 25 mL with a 50-element ICP-MS finish. The top 10 gold assays for the rock samples were also tested analysed for coarse metallic. The coarse metallic method involves ring pulverizing a 500 gram sample and sieving through -250 mesh and analyzes both the fraction that passes through the mesh and that is left behind. The assay is then weight averaged. Soil samples were dried and sieved to -80 mesh. 15 grams of the -80 mesh (<180 µm) sieved fraction of the rock sample was fire assayed with an atomic absorption finish for gold and 0.5 grams of the sample was digested with 5 mL 3:1 HCl/HNO₃ at 950C for 2 hours and diluted to 25 mL with a 34-element ICP-OES finish. The elements analyzed for each rock sample and their detection and upper limits are listed in Table 6. The elements analyzed for each soil sample and their detection and upper limits are listed in Table 7.

Table 6. Detection Limits and Upper Limits of 50-element ICP-MS

Element	DL UL	Element	DL UL	Element	DL UL	Element	DL UL	Element	DL UL
Ag	0.1 ppm 200 ppm	Co	0.1 ppm 10000 ppm	K	0.01 10	Pb	0.1 ppm 10000 ppm	Te	0.1 ppm 1000 ppm
Al	0.01% 25%	Cr	1 ppm 10000 ppm	La	1 ppm 10000 ppm	Rb	0.1 ppm 1000 ppm	Th	0.1 ppm 1000 ppm
As	0.5 ppm 10000 ppm	Cs	0.1 ppm 1000 ppm	Li	0.1 ppm 10000 ppm	Re	5 ppm 1000 ppm	Ti	0.005 10
Au	0.05 ppm 25 ppm	Cu	0.1 ppm 10000 ppm	Mg	0.01 25	S	0.05 10	Tl	0.1 ppm 1000 ppm
Ba	1 ppm 10000 ppm	Fe	0.01 50	Mn	1 ppm 10000 ppm	Sb	0.1 ppm 10000 ppm	U	0.1 ppm 1000 ppm
Be	1 ppm 10000 ppm	Ga	1 ppm 1000 ppm	Mo	0.1 ppm 10000 ppm	Sc	0.1 ppm 10000 ppm	V	2 ppm 10000 ppm
Bi	0.1 ppm 10000 ppm	Ge	0.1 ppm 1000 ppm	Na	0.01 10	Se	0.5 ppm 1000 ppm	W	0.1 ppm 10000 ppm
Ca	0.01 25	Hf	0.1 ppm 1000 ppm	Nb	0.1 ppm 1000 ppm	Sn	0.1 ppm 1000 ppm	Y	0.1 ppm 10000 ppm
Cd	0.1 ppm 2000 ppm	Hg	0.005 ppm 100 ppm	Ni	0.1 ppm 1000 ppm	Sr	1 ppm 10000 ppm	Zn	1 ppm 10000 ppm
Ce	1 ppm 1000 ppm	In	0.01 ppm 1000 ppm	P	0.001 5	Ta	0.1 ppm 1000 ppm	Zr	0.1 ppm 10000 ppm

Table 7. Detection Limits and Upper Limits of 34-element ICP-MS

Element	DL UL	Element	DL UL	Element	DL UL	Element	DL UL	Element	DL UL
Ag	0.2 ppm 200 ppm	Cd	1 ppm 2000 ppm	La	10 ppm 10000 ppm	Pb	2 ppm 10000 ppm	Tl	10 ppm 1000 ppm
Al	0.01% 25%	Co	1 ppm 10000 ppm	Mg	0.01 25	S	0.01 10	U	10 ppm 10000 ppm
As	5 ppm 10000 ppm	Cr	1 ppm 10000 ppm	Mn	5 ppm 10000 ppm	Sb	5 ppm 10000 ppm	V	1 ppm 10000 ppm
Ba	10 ppm 10000 ppm	Cu	1 ppm 10000 ppm	Mo	2 ppm 10000 ppm	Sc	1 ppm 10000 ppm	W	10 ppm 10000 ppm
Be	0.5 ppm 100 ppm	Fe	0.01 50	Na	0.01 10	Sr	1 ppm 10000 ppm	Zn	1 ppm 10000 ppm
Bi	5 ppm 10000 ppm	Hg	1 ppm 10000 ppm	Ni	1 ppm 10000 ppm	Th	5 ppm 1000 ppm	Zr	1 ppm 10000 ppm
Ca	0.01 25	K	0.01 10	P	0.001 5	Ti	0.01 10		

SGS employs standard QA and QC protocols on all sample analyses including inserting one blank, reference standard and duplicate analysis in every twenty samples analyzed. Based on the fact that the sampling program was designed to verify and follow up previous exploration work completed by QPX Minerals and Nuspar Resources in the 1980's no additional QA and QC procedures were implemented as part of the program. Sample Certificates from the 2010 exploration program are included in Appendix 6.

In the authors opinion the sample security employed by the field personnel involved in the sample collection and the sample preparation and analytical procedures employed by SGS are adequate for the exploration program carried out by Downtown Minerals on the South Rim Property.

9.2 Soil Geochemical Results

The 2010 soil program resulted in the collection of 1285 soil samples. All samples were collected from the B-horizon which generally was at 15 cm depth. Samples, “A-samples”, were taken between 20 and 35 cm with the use of a shovel or an auger. At random a second sample, “B-sample”, was taken from the same hole at a deeper interval typically between 35 and 50 cm. 155 of the 1285 soil samples were such “B-samples”. The “B-samples” were collected to test for a possible depth related mineral horizon.

Graph 3 shows scatter plots for SGS laboratory replicates and A vs. B depth samples for Zn, Cu, and Au elements. Both sets of plots have a linear (slope = 1) relationship. In the case of the laboratory scatter plots this indicates that the analytical error by the lab is very small. In the case of the “A” versus “B” depth scatter plots this indicates that there is little difference in sample geochemistry between 15 and 50 cm.

Statistical values of Au, Ag, As, Ba, Cu, Hg, Mo, Pb, Zn for the 2010 soil are presented in Table 8. Background concentrations as well as weak and strong anomaly concentration cutoffs were established using box plots created from the 2010 data. Defining Q1 and Q3 to be the first and third quartile and IQR to be the interquartile range ($Q3 - Q1$), the background concentration cutoff is defined as: $\text{Background} < Q3 + 1.5 \cdot \text{IQR}$; A strong anomaly is defined as: $\text{Strong anomaly} > Q3 + (3 \cdot \text{IQR})$. A weak anomaly is defined as greater than the background but less than a strong anomaly.

Table 8. Geochemical Summary Statistics: North Slope Poly Zone

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Background	7	0.2	5	24	1	2	23	76.5
S. Anomaly	10	0.2	5	36	1	2	32	108
Average	4.7	0.2	5.4	9.6	1	2.1	13	35
Max	172	5.1	99	160	6	19	539	378
Min	2	0.2	5	1	1	2	2	1
50th percentile	3	0.2	5	8	1	2	11	34
70th percentile	4	0.2	5	12	1	2	14	45
80th percentile	5	0.2	5	13	1	2	15	48
90th percentile	8	0.3	6	17	1	2	17	55
95th percentile	10	0.4	7	21	1	2	20	61

Ten anomalous Au zones have been identified from thematizing the 2010 soil geochemical survey using the background, weak and strong anomaly cut-offs determined in the geochemical summary statistics table. Figure LF1 shows the outline of these anomalous zones.

9.3 Rock Geochemical Results

The 2010 outcrop verification/prospecting program culminated in the collection of 81 rock samples. 4 samples were collected as float samples and 77 were chip samples across shear zones, breccia bodies, and quartz veins. For this program composite chip samples were collected from within mineralized areas believed to correspond to the areas sampled by QPX Minerals and Nuspar Resources in the 1980's.

Statistical values of Au, Ag, As, Ba, Cu, Hg, Mo, Pb, Zn for the 2010 rock samples are presented in Table 9.

Table 9. Geochemical Summary Statistics: North Slope Polymetallic Shear Zone

	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Hg (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Median	23	1.1	15.5	20.1	0.023	18.4	12.4	55
Average	161	6	27	83	0.099	54	75	74
Max	3460	150.6	256.1	2871.6	2.002	671.1	2936.6	592
Min	2	0.1	0.5	2.3	0.005	0.5	1.2	7
50th percentile	23	1.1	15.5	20.1	0.023	18.4	12.4	55
70th percentile	70	2.8	24.2	32.5	0.039	38.2	26.8	70
80th percentile	124	4.3	30.9	47.6	0.076	74.2	41.7	90
90th percentile	164	5.3	51.8	73.1	0.208	127.6	88.6	139
95th percentile	314	14.2	84.3	163.3	0.345	206.9	211.6	197

The top ten gold samples were selected for coarse metallic and the results are shown in Table 10.

Table 10. Coarse metallic analyses and original 15g fire assay Au

Sample Name	Wt Total g	Wt +150 g	+150 Au mg	-150 Au g/tonne	Metallic Au g/tonne	Net Au g/tonne	Original Au (15g)
SR20100901	447.4	34.35	0.097	2.16	0.22	2.21	2.675
SR20100904	397	1.33	<0.001	0.5	<0.01	0.5	0.665
SR20100909	434.8	1.64	<0.001	0.17	<0.01	0.17	0.18
MS20100012	412.7	4.35	<0.001	0.23	<0.01	0.23	0.314
SR20100921	506.6	4.17	0.006	0.12	0.01	0.13	0.164
SR20100924	516.9	4.48	<0.001	0.2	<0.01	0.2	0.164
SR20100934	525.7	5.18	0.074	2.38	0.14	2.5	2.279
SR20100935	517.3	6.96	0.001	0.15	<0.01	0.15	0.166
SR20100958	503.3	8.51	0.002	0.17	<0.01	0.17	0.197
SR20100963	514.9	5.9	0.017	3.75	0.03	3.74	3.46

The coarse metallic analyses shows a good likeness to the Au assays from the 15 gram fire assay analyses and thus the 15 gram fire assay is sufficient in identifying the gold grade of the sample collected.

9.4 Mineralization

Previous exploration work in the 1980's on the ground now covered by the South Rim Property identified several gold and other precious metal exploration targets (referred to as the High View Showing, Camp View Showing, Center View Showing, Chalco Showing, East Side Showing, Low View Showing, Main Creek Showing, Northwest Showing, South Side Showing, V.P. Showing, Amethyst Showing and West Side Showing). The results of the verification program are described below in the context of each of the mineral showings revisited,

High View Showing

This showing is located between 613400m and 613525m East, 5923225m and 5922675m North at an elevation between 1475 and 1750 meters in the north central part of the property (Figure 7). It comprises three parallel shear zones up to 3 meters width. The shear zone is a brecciated structure composed of a box-work of vuggy quartz cementing angular, altered fragments of lapilli tuff. Numerous other veins and lenses up to 3 meters width were noted as splays off the main vein. Pyrite is less than 1%, minor sphalerite noted. Fluorite is locally common. Sixteen samples were collected in 1984 which yielded gold assays up to 440 ppb, and silver to 27.7 ppm.

The High View Showing was visited and anomalous gold was verified by the 2010 verification program. Thirteen samples were taken from this showing (**SR20100934, SR20100935, SR20100936, SR20100937, SR20100938, SR20100939, SR20100940, SR20100941, SR20100942, SR20100943, SR20100946, SR20100947 and SR20100953**). Four samples (**SR20100934, SR20100935, SR20100936, SR20100939 and SR20100947**) returned gold values of **2279, 166, 117, 124, 150 ppb**. A number of samples collected were also anomalous in Mo, Re, Cu and Zn.

The High View Showing was observed, by the author, to extend over **600m** striking approximately 150 degrees and dipping approximately 80 degrees. The showing consists of 3 parallel shear zones that make up this showing and vary in width from 40cm to 3m. It is open, but currently not accessible, in both directions. To the north the showing becomes buried by rock fall and to the south the showing becomes covered by snow.

Camp View Showing

The Camp View Showing is located between 612700m and 612900m East, 5923475m and 5923725m North at an elevation between 1400 and 1500 meters (Figure 7). It comprises a single main vein traceable intermittently through talus and overburden for some 300 meters. It comprises grey, banded, fine-grained vuggy quartz. Minor stringers are associated. It pinches and swells from stringer to 1 meter width, mainly less than 50 cm. Twenty-one samples, collected in 1985, gave values up to 430 ppb Au, with 12 in excess of 100 ppb Au confirming the values confirming the values to 640 ppb noted in 1983. A proximal float sample of quartz gave values of 1,625 ppb Au and 25.6 Ag.

The Camp View Showing was not revisited during the 2010 verification program.

Center View Showing

This showing is located between the High View Showing and Camp View Showing and was recognized late in the 1983 program (Figure 7). Follow up in 1984 revealed complex set of branching veins, stringers and breccias that includes up to 20 separate units, ranging in thickness from stringers to 4 meters width. Twenty to 100 cm widths are the norm. Fifty-two samples were collected in 1984. Values range from n.d. (not detected) to 1,500 ppb Au. Two veins gave consistently anomalous results in excess of 100 ppb Au, both from the western portion of the showing. Most significant is a northwest trending branch that represents the most southwesterly of the known veins from the showing. Twelve samples from this vein gave values of 110 to 1,150 ppb Au, with two values in excess of 1,000 ppb. The vein pinches and swells, ranging from a stringer-stock work system to massive quartz up to 60 cm width. The quartz is typically fine-grained, vuggy, colloform banded, to planar banded. Local pockets of calcite and fluorite are present. The vein can be traced for 200 meters. A second vein containing significant gold values exposed for about 100 meters, range from 5 cm to 40 cm width and contains gold values up to 870 ppb.

Other veins within the center View showing gave results less than 100 ppb. All except one are less than 20 cm width. An exception is a 3 to 6 meter wide, north-striking silicified breccia zone comprised of angular fragments of bleached volcanics in a matrix of fine-grained dense quartz. One meter wide wedges of sheared, propylitized volcanics are included within the zone. Chips from this zone gave up to 90 ppb Au.

The showing was visited and anomalous gold was verified by the 2010 verification program. Thirty-two samples were taken from this showing (SR20100901 to SR20100924, SR20100932, SR20100933, SR20100944, SR20100962, SR20100963, SR20100967, MS201013 and SR201014). Nine samples returned gold values over 100 ppb and 2 samples returned gold values of 3460 and 2675 ppb. A number of samples collected were also anomalous in Ag, Mo, Pb, Cu and Zn.

The Center View Showing was observed, by the author, to consist of three dominant structures each extending over 500m. Two of these structures strike and dip in similar directions (200 ± 80) and are approximately 150m apart. These structures are cut by a third structures striking approximately 135 degrees and dipping approximately 80 degrees.

Chalco Showing

This showing was discovered in 1984 and is approximately 500m east of the High View Showing. The showing comprises two components. A northwest trending quartz vein occupies the base of the slope, above extensive talus wash. Trending off this vein, in a north-easterly direction is a series of veins, stringers, silicified and propylitized alteration pods that carry pyrite and chalcopyrite. From one of these zones, measuring up to 1 meter width, a prospector-grab sample gave a 24,000 ppb Au value. Other values from this zone gave 730 and 340 ppb Au and up to 28 ppm Ag.

The Camp View Showing was not revisited during the 2010 verification program.

East Side Showing

This showing was discovered in 1983 during reconnaissance coverage of this portion of the claims and is about 1000m south of the Chalco Showing. It gave the highest value of gold (1,580 ppb). Follow up sampling in 1984 verified the earlier anomaly with the discovery of values from 430 ppb up to 4,100 ppb Au. Mineralization appears to be associated with quartz stringers and veins (up to 1m) and pyritic-rusty propylitized and bleached volcanics. Minor galena occurs with this system.

The showing was visited and anomalous gold was verified by the 2010 verification program. Four samples were taken from this showing (SR20100949 to SR20100952). One sample returned a gold value of 70 ppb.

The East Side Showing was observed, by the author, to consist of one structure extending over 350m. The structure strikes and dips approximately 160 and 60 degrees.

Low View Showing

The Low View consists of a 0.5 to 2 m wide quartz vein and breccia zone containing disseminated pyrite in a major shear zone. Numerous stringers are also associated with the system. The vein margins are strongly bleached and locally have a propylite halo extending to 10m from the shear, which may be an extension of the main shear zone hosting the High View and South Side Showings. Previous sampling in 1984 gave values up to 240 ppb Au. Two further rock samples were collected from the showing in 1987, one of which returned values of 385 ppb Au and 30.3 ppm Ag. Anomalous Se, Te and Bi also occurred.

The Low View Showing was not revisited during the 2010 verification program.

Main Creek Showing

The Main Creek Showing consists of a number of parallel quartz veins, up to 50 cm in width, which pinch and swell along their length. The veins are primarily composed of pyritized volcanic breccia fragments in a drusy quartz matrix, and less abundantly are made up of coarsely crystalline quartz. Pockets of calcite commonly occur in the quartz vein. Minor pyrite stringers may also occur. The veins are exposed in a northeast trending creek which follows a fault trace through Hazelton Group lapilli tuffs. The shear zone ranges up to 1.5 m in width and quartz veining is exposed essentially continuously for about 100 metres. At the southern limit the vein system trends in to flat and swampy ground with no outcrop. At the northern end, the northeast trending creek intersects the main, north trending creek which hosts the Center View and High View Showings to the south. At the intersection of the creeks the rocks consist of badly sheared, pyritic, silicified volcanics.

Eight samples were collected from the showing in 1987, giving values of up to 1075 ppb Au and 2.2 ppm Ag. Anomalous values of As and Hg also occurred in the Main Creek Showing.

The showing was visited and anomalous gold was verified by the 2010 verification program. Twelve samples were taken from this showing (SR20100954 to SR20100961 and MS201009 to MS201012). Five samples returned gold values over 100 ppb. A number of samples collected were also anomalous in Mo, Pb, Cu and Zn.

The Main Creek Showing was observed to consist of one dominant structure extending over 175m. The structure strikes and dips approximately 220 and 80 degrees, respectively.

Northwest Showing

The Northwest Showing is reported to consist of a pyritic shear zone exposed in a northeast trending creek. Three samples were taken from the zone in 1987. Gold values were only slightly above background levels (15 ppb) but values of 2.4 ppm Ag and anomalous As, Sb, Se, and Te suggest that further sampling in the area would be warranted.

The Northwest Showing was not revisited during the 2010 verification program.

South Side Showing

The South Side Showing consists of a grey to milky, fine grained quartz and quartz breccia vein, up to 3m in width. Minor pyrite and chalcopyrite are present. Sampling of the showing in 1987 gave a maximum of 132 ppb Au and 4.4 ppm Ag, with anomalous Hg, As, and Te. It appears that the South Side Showing is located on the same major shear zone as the High View Showings.

The showing was visited and anomalous gold was verified by the 2010 verification program. One sample was taken from this showing (SR20100974). The sample returned gold value of 56 ppb. The sample also was anomalous in Mo and Ag, 207.1 and 52.4 ppm, respectively.

V.P. Showing

The V.P. Showing is a north trending shear zone exposed in the same major creek but north of the Amethyst Showing. Carbonate alteration is common and quartz - carbonate veinlets to 5 cm in width occur in a 1 to 2 m wide shear zone. Four samples were taken from the zone in 1987. Two of these samples gave values over 1000 ppb Au. Anomalous values of Hg, Sb, Se and Te were also found in the zone, along with strongly anomalous arsenic values (to 1031 ppm).

The showing was visited and anomalous gold was verified by the 2010 verification program. Five samples were taken from this showing (SR20100968 to SR20100972). Gold values were up to 41 ppb. One sample returned a Hg value of 2 ppm.

The V.P. Showing was observed to consist of one dominant structure extending over 100m.

Amethyst Showing

The Amethyst Showing was discovered in 1987. It consists of a several metre wide shear zone exposed in a major north to north-west trending creek. The zone consists of well sheared, pyritic volcanics with abundant quartz stringers and silicification. Lenses of amethyst occur at the southern end of the showing; carbonate alteration is also common. Very minor amounts of galena are associated with the amethyst lenses. The zone is traceable along strike for about 70 metres and is immediately overlain by a coarse grained quartz - feldspar porphyry dyke. Five samples were taken from the zone. Gold values are only slightly above background in one sample (the only one which contained amethyst). Silver values are 17.8 ppm in this sample,

however, and anomalous As, Sb, Bi, Se and Te were detected in this and other samples making the zone of interest.

The Amethyst Showing was not revisited during the 2010 verification program.

West Side Showing

The West Side Showing was discovered in 1988. It consists of pyritic, siliceous and argillic shear zones along a northwest trending creek and near the junction of this creek with the major north trending creek discussed in section 2.2. The zone is reported to range up to several metres in width. Neither gold nor silver values are anomalous, however, values of up to 1500 ppb Hg and 5723 ppm As with anomalous Sb, Se and Te make this showing of interest.

The West Side Showing was not revisited during the 2010 verification program.

9.5 Petrographic Report

Twenty hand samples collected from the verification program were submitted to Vancouver Petrographics for polished thin section preparation and examined by the author using a transmitting and reflected light petrographic microscope.

The samples examined showed very similar textural characteristics between individual samples and showings. Most samples showed a high degree of open space filling quartz veins cutting a chlorite altered lapilli tuff. There were various episodes of fracturing and sealing of quartz veins and vuggy quartz alteration is also prevalent. A few late fracture-filling veins contain euhedrally terminated quartz grains growing into a cavity that was filled slightly to strongly by orange-brown limonite/hematite, which in part has a botryoidal texture. The hydrothermal event also transported sulphide bearing fluids. The sulphides are dominated by pyrite which has been variably oxidized to hematite. In some areas pyrite grains have been completely replaced by hematite and only the relic euhedral shape of the pyrite grain remains.

The samples submitted are listed below and their detailed petrographic description is given in Appendix 5.

Main Creek Showing

Seven samples (MS2010010, MS2010011, MS2010012, SR20100954, SR20100957, SR20100959 and SR20100960) were examined from the Main Creek showing.

Center View Showing

Five samples were examined from the Center View Showing (MS2010013, SR20100914, SR20100916, SR20100962, SR20100963).

V.P. Showing

Four samples from the V.P. Showing were examined (SR20100969, SR20100970, SR20100971, SR20100972).

South Side Showing

One sample from the South Side Showing was examined (SR20100974)

Other Mineralization

Two samples from mineralized areas outside of the previously known mineralized zones were also examined (SR20100973 and SR20100965).

9.6 Lineament Report

A 2D lineament study was carried out for the South Rim property. The method for lineament determination used a 2007 Government of British Columbia orthophoto of the area and plotting lines over linear features. A 3D interpretation using the TRIM DEM was attempted but the detail of the TRIM DEM didn't capture the features obviously present from the orthophoto. From the lineament study carried out, 390 lineaments of varying length were identified (Figure 11 and 12). The lineaments were recorded in Mapinfo so that the orientation and length could be compiled into a rose diagram. Graph 1 and 2 show the summary of the lineament study and the dominant three directions that the lineaments fall into, which are: 320 to 345 degrees, 355 to 005 degrees and 040 to 060 degrees. It is within these the directions that the mineralized showings tend to strike.

10.0 Conclusions and Recommendations

Verification sampling at the Center View, East Side, Main Creek, South Side and V.P. Showings confirmed the strongly anomalous gold, silver, lead and zinc values reported by QPX Minerals and Nuspar Resources in the 1980's. Systematic GPS surveying of showings, historical compilation work, petrographic work and lineament interpretation from a 2007 orthophoto suggest that the South Rim Property is host to epithermal mineralized structures which may be part of a more extensive mineralized zone and that the zone may be continuous to the north, under overburden, and to the south in steep rugged terrain. These structures should be systematically sampled to confirm the high precious metal content and to determine if additional trenching and drill testing is warranted. As there is a lack of governmental geophysical data covering the South Rim property an airborne EM and magnetics survey of the area would be ideal for identifying structures buried by over burden and focus future exploration programs.

11.0 Statement of Qualifications

I James G.M. Thom certify that:

1. I am an independent consulting geologist residing at 118B - west 14th ave, Vancouver BC, V5Y 1W9 and can be contacted at thomjgm@gmail.com
2. I obtained a B.Sc. in Earth and Ocean Sciences at the University of Victoria [2002] and graduated with a M.Sc. in Geology from the University of Toronto [2003].
3. I have worked in the mineral exploration industry since 1999
4. I supervised the 2010 exploration program described in this report
5. I have carried out petrographic reporting since 1999

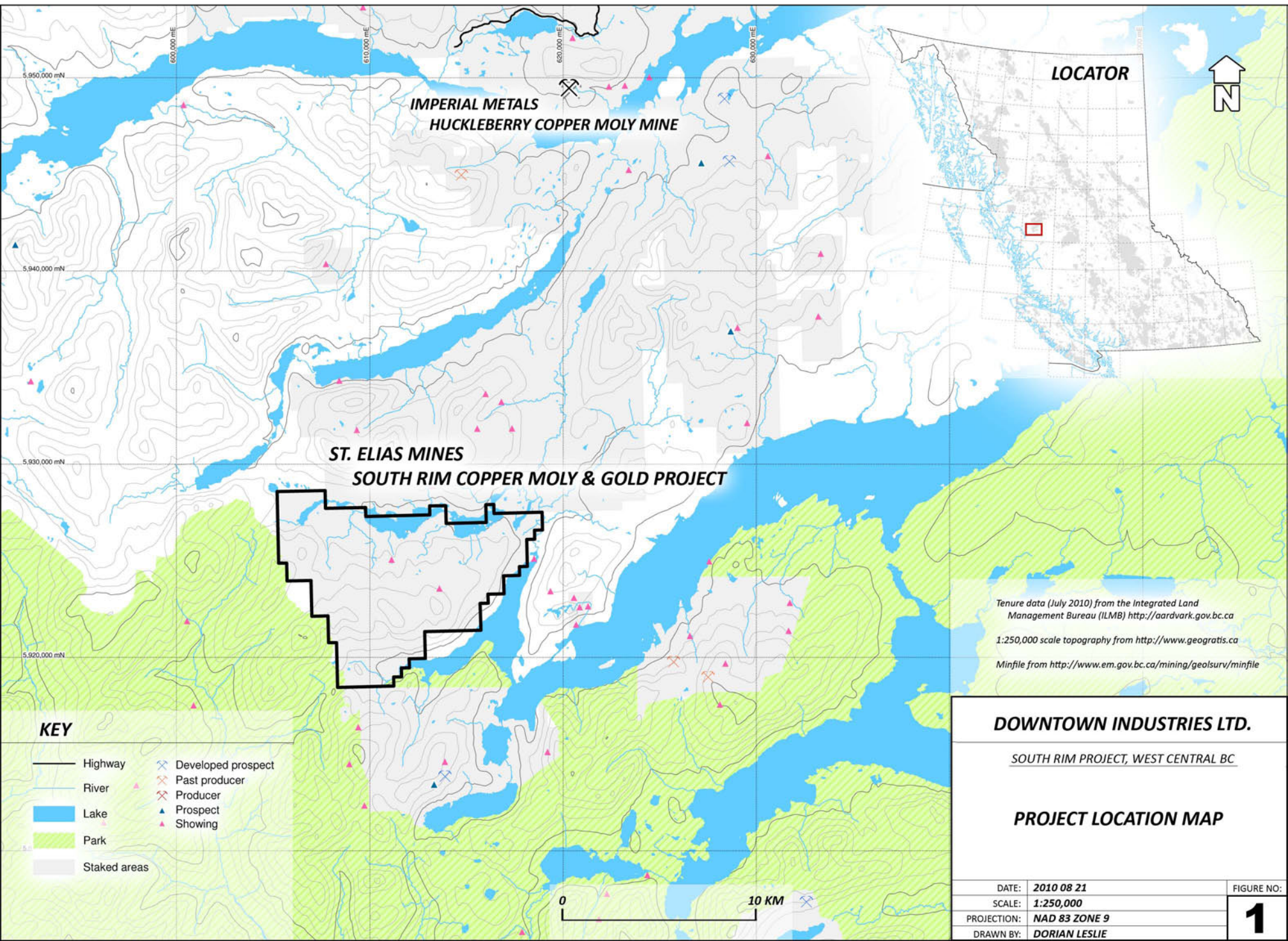
X James Thom

FINAL COSTS FOR SOUTH RIM PROJECT - FALL 2010

Personnel:		
Project Manager	4 days @ \$500.00	\$ 2,000.00
Project Geologist James Thom, M.Sc.	13 days @ \$600.00	7,800.00
Senior prospector/Geographer Gerard Gallissant, BA	12 days @ \$400.00	4,800.00
Prospector/Field Assistants (x3)	12 days @ \$1,125.00/day (3 x \$375.00 per man)	13,500.00
In-Town swamper/gopher	3 days @ \$250.00	750.00
In-Town Food Prep/Chef	2 days @ \$300.00	600.00
Field Costs:		0
Field Camp	13 days @ \$175.00/day	2,275.00
Field Equipment	13 days @ \$150.00/day	1,950.00
Field Communications	Long Distance charges + Motorola 2 way field radios	400.00
Field Communications	Sat phone 2.0wks x \$150/wk	300.00
Camp Consumables	Food, fuels, wood, rope& fuel (including truck fuel) Rock and soil sample bags, rice bags, survey flagging, pickets, topofil thread etc.	5,254.31
Mob/Demob Hotels		690.99
CJL Expeditors	CJL - Smithers	1,911.00
Transportation:		0
Truck Rental	15 days @ \$ 125.00	1,875.00
Truck Rental	13 days @ \$ 125.00	1,625.00
Vehicle Milage	2,750 km @ \$0.35/km	962.50
Utility Trailer	2.0 weeks @ 500.00/wk	1,000.00
Helicopter		14,547.20
Analytical:		0
Soil Samples & Rock Sampes	SGS - Assayers Canada	28,615.95
Petrography - thin sections		5,000.00
Office & Engineering:		0
Assessment Report Writing		3,500.00
GIS/Drafting/Cartography	(including field base map and all final maps detailing geological mapping, sample locations and results, location of old workings and compilation of results from previous work on property)	3,200.00
Structural/Lineament Study		1,200.00
Office Overhead and G & A		4137.14
Subtotal	107,894.09	\$107,894.09
HST @ 12%		12,947.29
Total cost of the Phase I exploration program		\$120,841.38

APPENDIX 1

-FIGURES-



LOCATOR



IMPERIAL METALS
HUCKLEBERRY COPPER MOLY MINE

ST. ELIAS MINES
SOUTH RIM COPPER MOLY & GOLD PROJECT

Tenure data (July 2010) from the Integrated Land Management Bureau (ILMB) <http://aardvark.gov.bc.ca>
1:250,000 scale topography from <http://www.geogratis.ca>
Minfile from <http://www.em.gov.bc.ca/mining/geosurv/minfile>

KEY

- Highway
- River
- Lake
- Park
- Staked areas
- Developed prospect
- Past producer
- Producer
- Prospect
- Showing

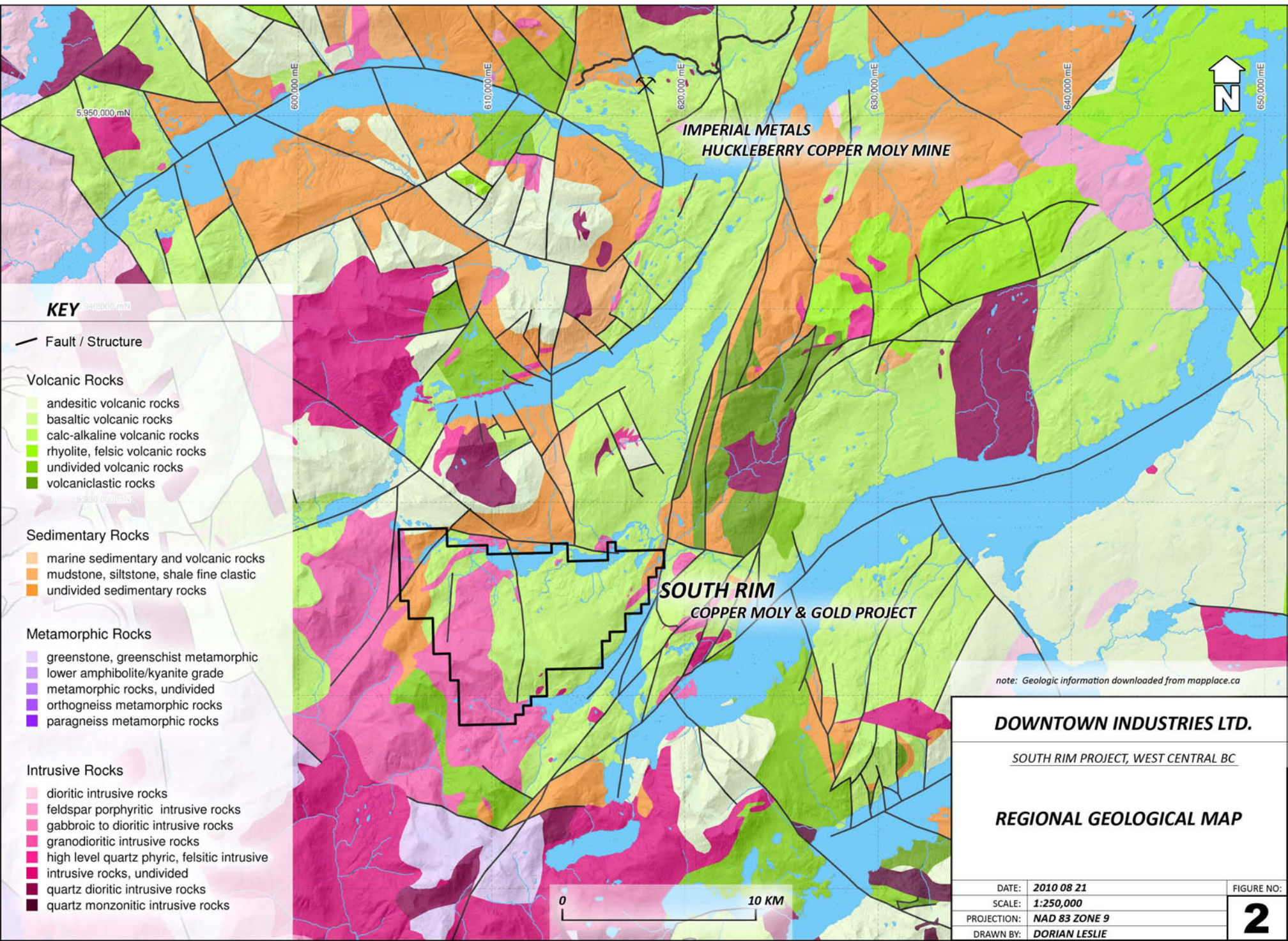
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DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

PROJECT LOCATION MAP

DATE:	2010 08 21	FIGURE NO:
SCALE:	1:250,000	1
PROJECTION:	NAD 83 ZONE 9	
DRAWN BY:	DORIAN LESLIE	



KEY

— Fault / Structure

Volcanic Rocks

- andesitic volcanic rocks
- basaltic volcanic rocks
- calc-alkaline volcanic rocks
- rhyolite, felsic volcanic rocks
- undivided volcanic rocks
- volcaniclastic rocks

Sedimentary Rocks

- marine sedimentary and volcanic rocks
- mudstone, siltstone, shale fine clastic
- undivided sedimentary rocks

Metamorphic Rocks

- greenstone, greenschist metamorphic
- lower amphibolite/kyanite grade
- metamorphic rocks, undivided
- orthogneiss metamorphic rocks
- paragneiss metamorphic rocks

Intrusive Rocks

- dioritic intrusive rocks
- feldspar porphyritic intrusive rocks
- gabbroic to dioritic intrusive rocks
- granodioritic intrusive rocks
- high level quartz phyric, felsitic intrusive
- intrusive rocks, undivided
- quartz dioritic intrusive rocks
- quartz monzonitic intrusive rocks

IMPERIAL METALS
HUCKLEBERRY COPPER MOLY MINE

SOUTH RIM
COPPER MOLY & GOLD PROJECT

note: Geologic information downloaded from mapplace.ca

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

REGIONAL GEOLOGICAL MAP

DATE: 2010 08 21

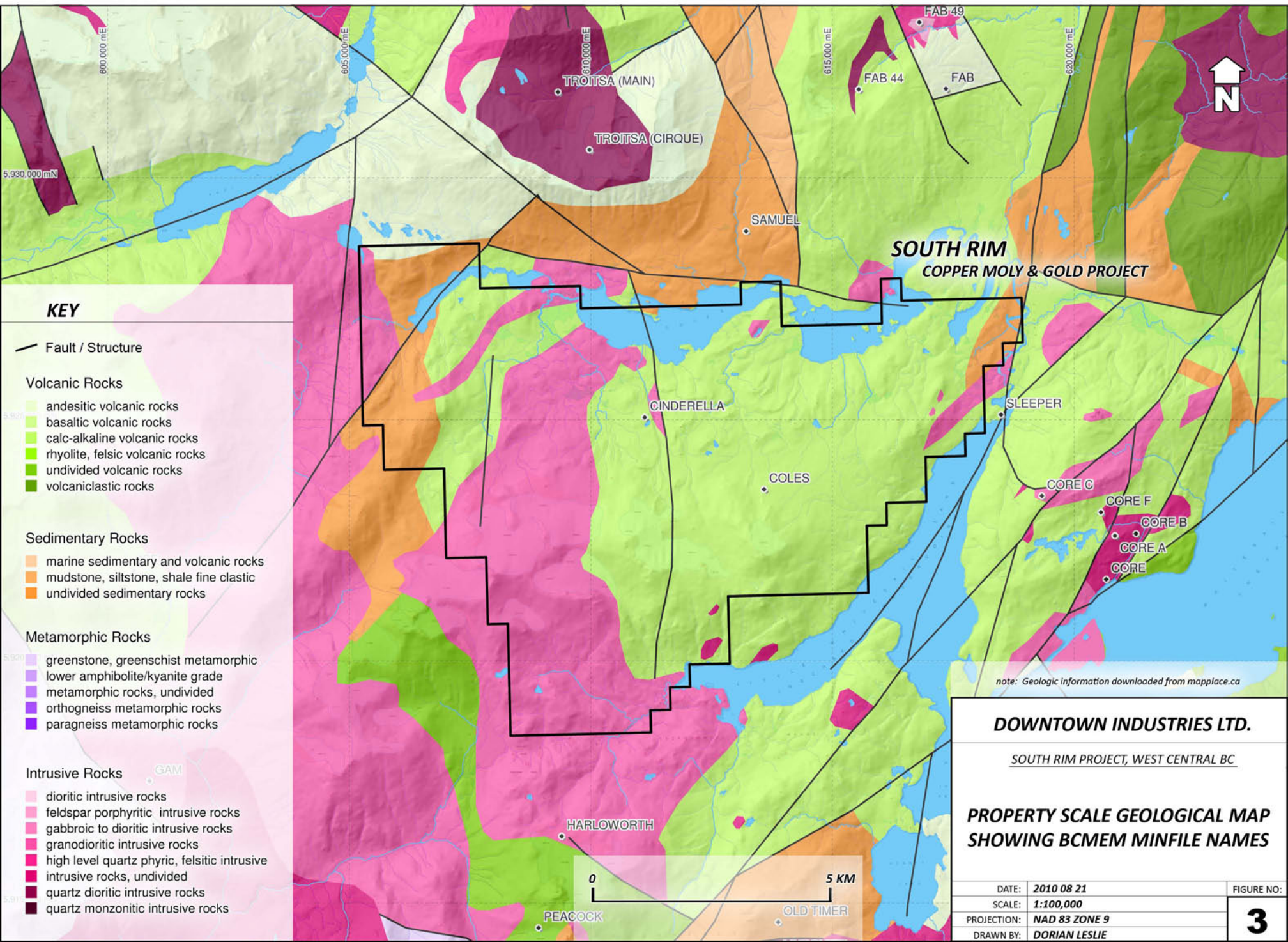
SCALE: 1:250,000

PROJECTION: NAD 83 ZONE 9

DRAWN BY: DORIAN LESLIE

FIGURE NO:

2



**SOUTH RIM
COPPER MOLY & GOLD PROJECT**

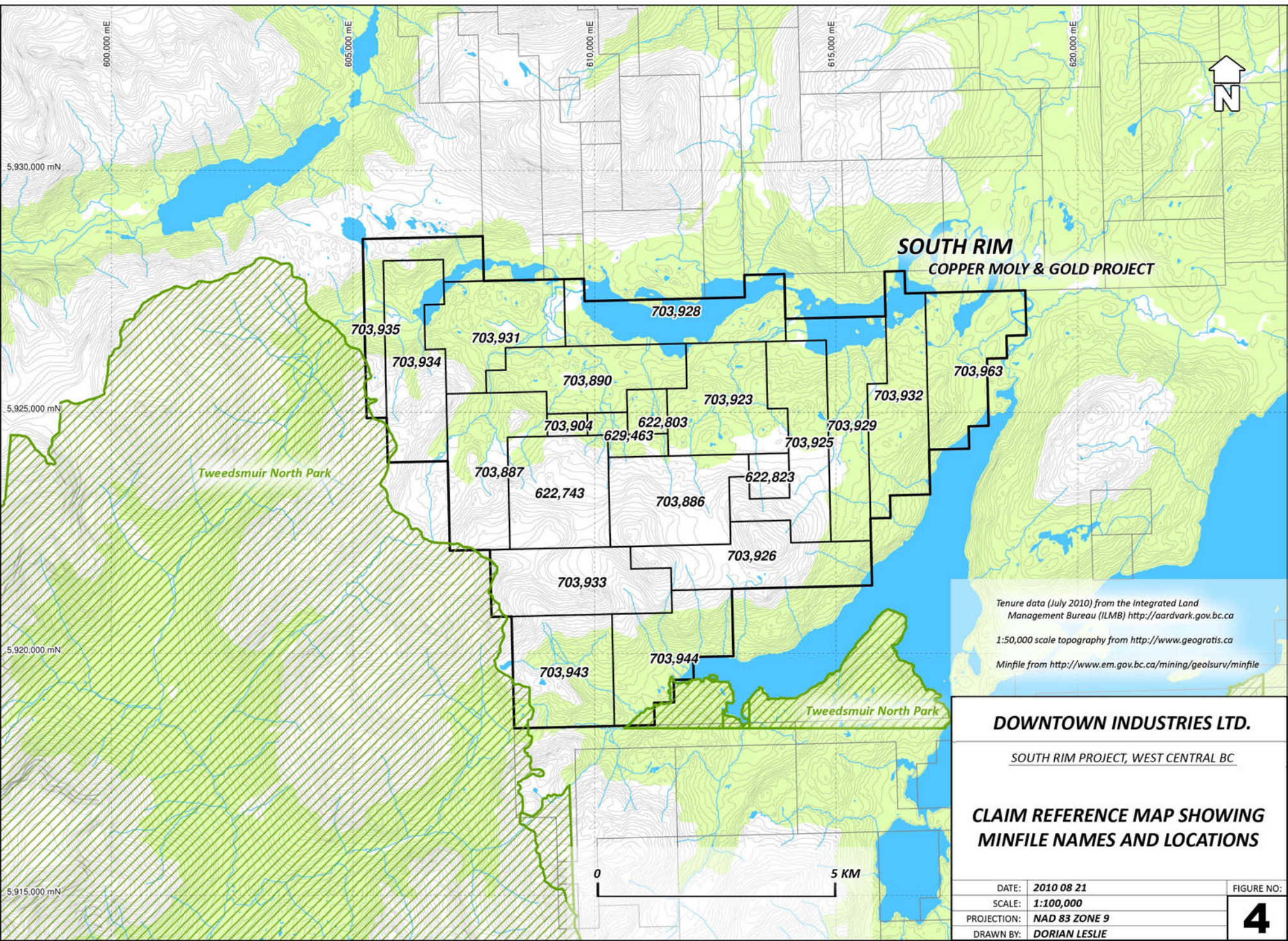
note: Geologic information downloaded from mapplace.ca

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SOUTH RIM PROJECT, WEST CENTRAL BC

**PROPERTY SCALE GEOLOGICAL MAP
SHOWING BCMEM MINFILE NAMES**

DATE:	2010 08 21	FIGURE NO:
SCALE:	1:100,000	3
PROJECTION:	NAD 83 ZONE 9	
DRAWN BY:	DORIAN LESLIE	



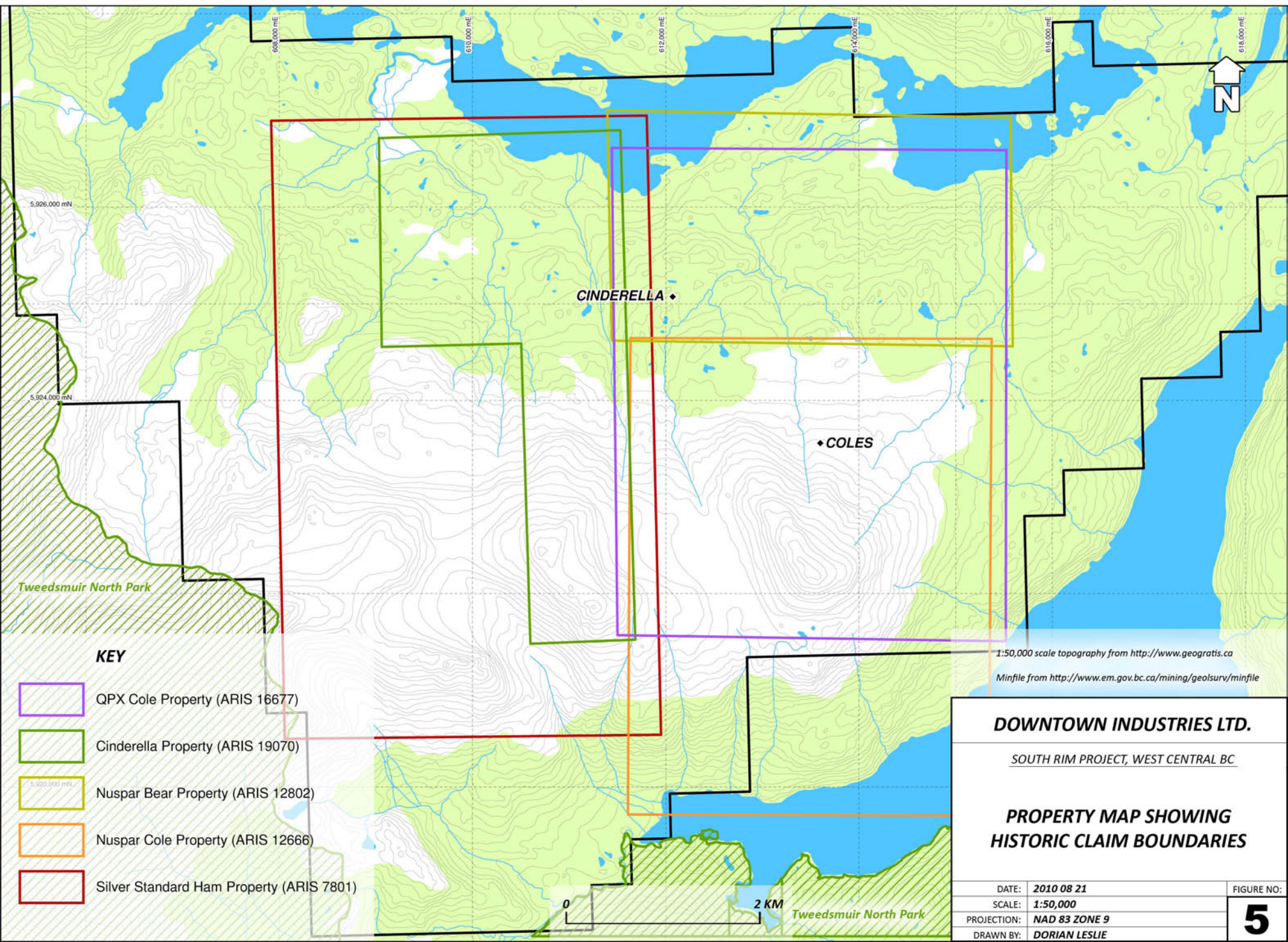
Tenure data (July 2010) from the Integrated Land Management Bureau (ILMB) <http://aardvark.gov.bc.ca>
1:50,000 scale topography from <http://www.geogratis.ca>
Minfile from <http://www.em.gov.bc.ca/mining/geosurv/minfile>

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**CLAIM REFERENCE MAP SHOWING
MINFILE NAMES AND LOCATIONS**

DATE:	2010 08 21	FIGURE NO:
SCALE:	1:100,000	4
PROJECTION:	NAD 83 ZONE 9	
DRAWN BY:	DORIAN LESLIE	



KEY

- QPX Cole Property (ARIS 16677)
- Cinderella Property (ARIS 19070)
- Nuspar Bear Property (ARIS 12802)
- Nuspar Cole Property (ARIS 12666)
- Silver Standard Ham Property (ARIS 7801)

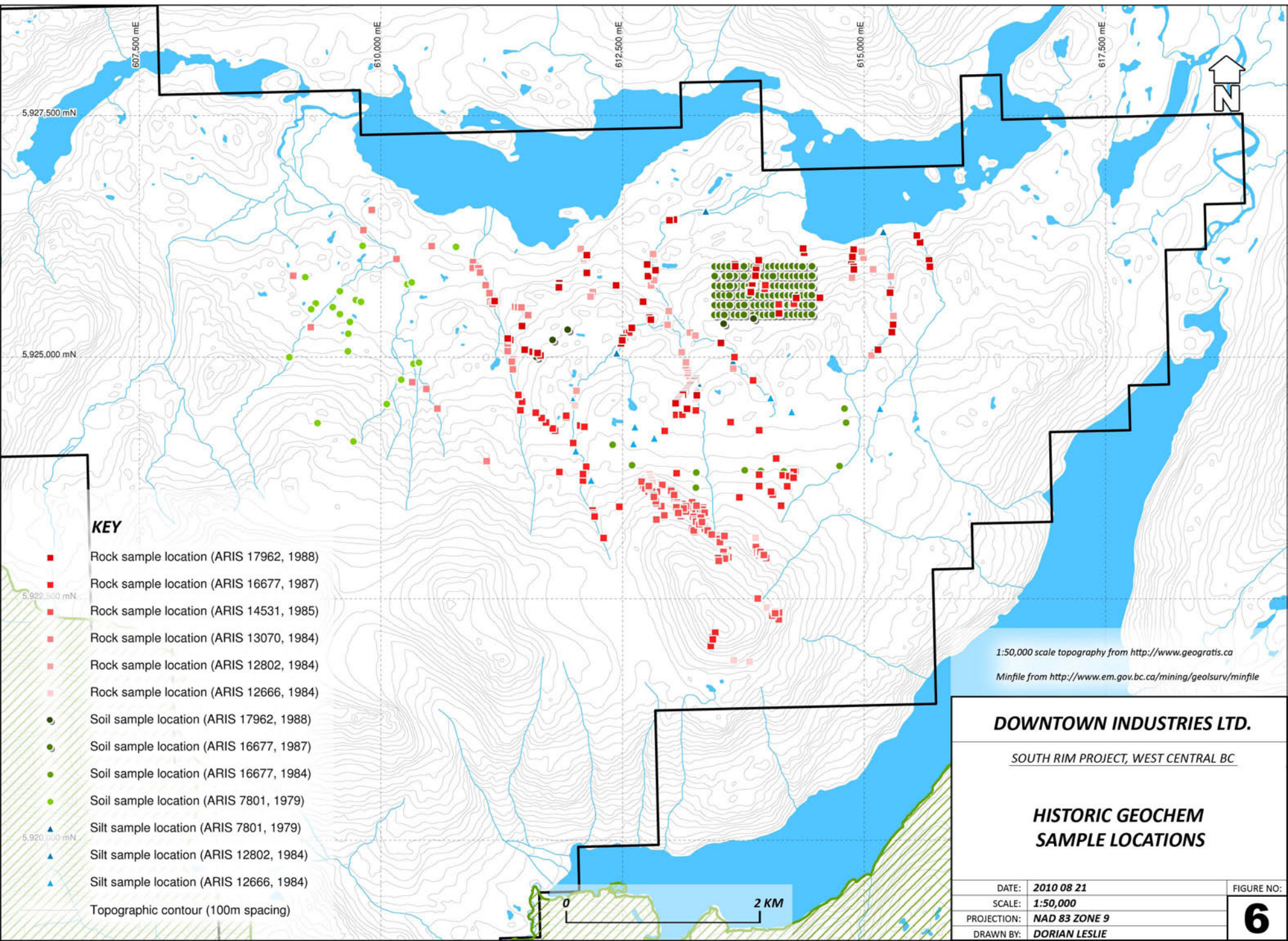
1:50,000 scale topography from <http://www.geogratis.ca>
Minfile from <http://www.em.gov.bc.ca/mining/geosurv/minfile>

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**PROPERTY MAP SHOWING
HISTORIC CLAIM BOUNDARIES**

DATE:	2010 08 21	FIGURE NO:
SCALE:	1:50,000	5
PROJECTION:	NAD 83 ZONE 9	
DRAWN BY:	DORIAN LESLIE	



KEY

- Rock sample location (ARIS 17962, 1988)
- Rock sample location (ARIS 16677, 1987)
- Rock sample location (ARIS 14531, 1985)
- Rock sample location (ARIS 13070, 1984)
- Rock sample location (ARIS 12802, 1984)
- Rock sample location (ARIS 12666, 1984)
- Soil sample location (ARIS 17962, 1988)
- Soil sample location (ARIS 16677, 1987)
- Soil sample location (ARIS 16677, 1984)
- Soil sample location (ARIS 7801, 1979)
- ▲ Silt sample location (ARIS 7801, 1979)
- ▲ Silt sample location (ARIS 12802, 1984)
- ▲ Silt sample location (ARIS 12666, 1984)
- Topographic contour (100m spacing)

1:50,000 scale topography from <http://www.geogratis.ca>

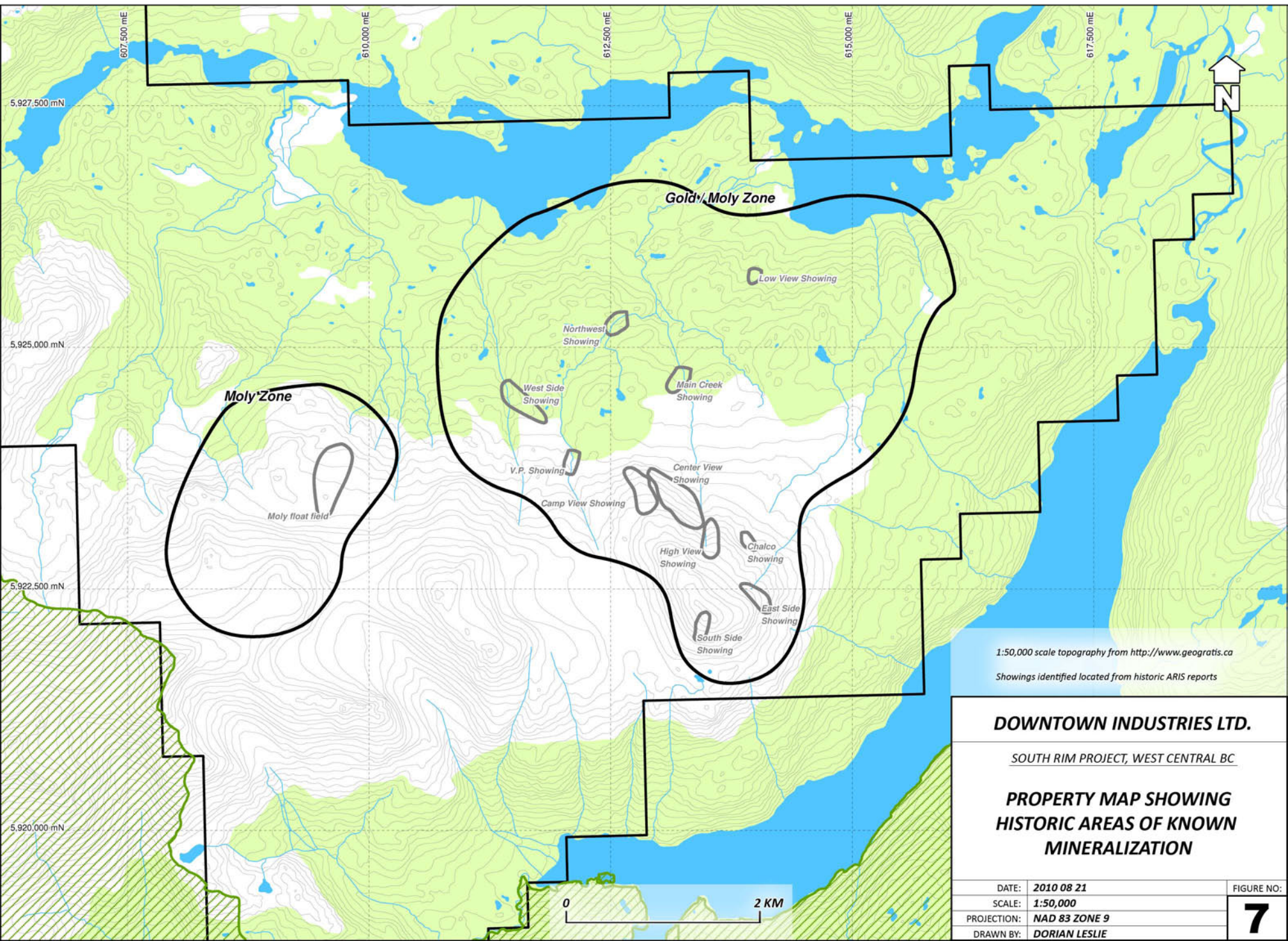
Minfile from <http://www.em.gov.bc.ca/mining/geosurv/minfile>

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**HISTORIC GEOCHEM
SAMPLE LOCATIONS**

DATE:	2010 08 21	FIGURE NO:
SCALE:	1:50,000	6
PROJECTION:	NAD 83 ZONE 9	
DRAWN BY:	DORIAN LESLIE	



1:50,000 scale topography from <http://www.geogratis.ca>

Showings identified located from historic ARIS reports

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**PROPERTY MAP SHOWING
HISTORIC AREAS OF KNOWN
MINERALIZATION**

DATE: **2010 08 21**

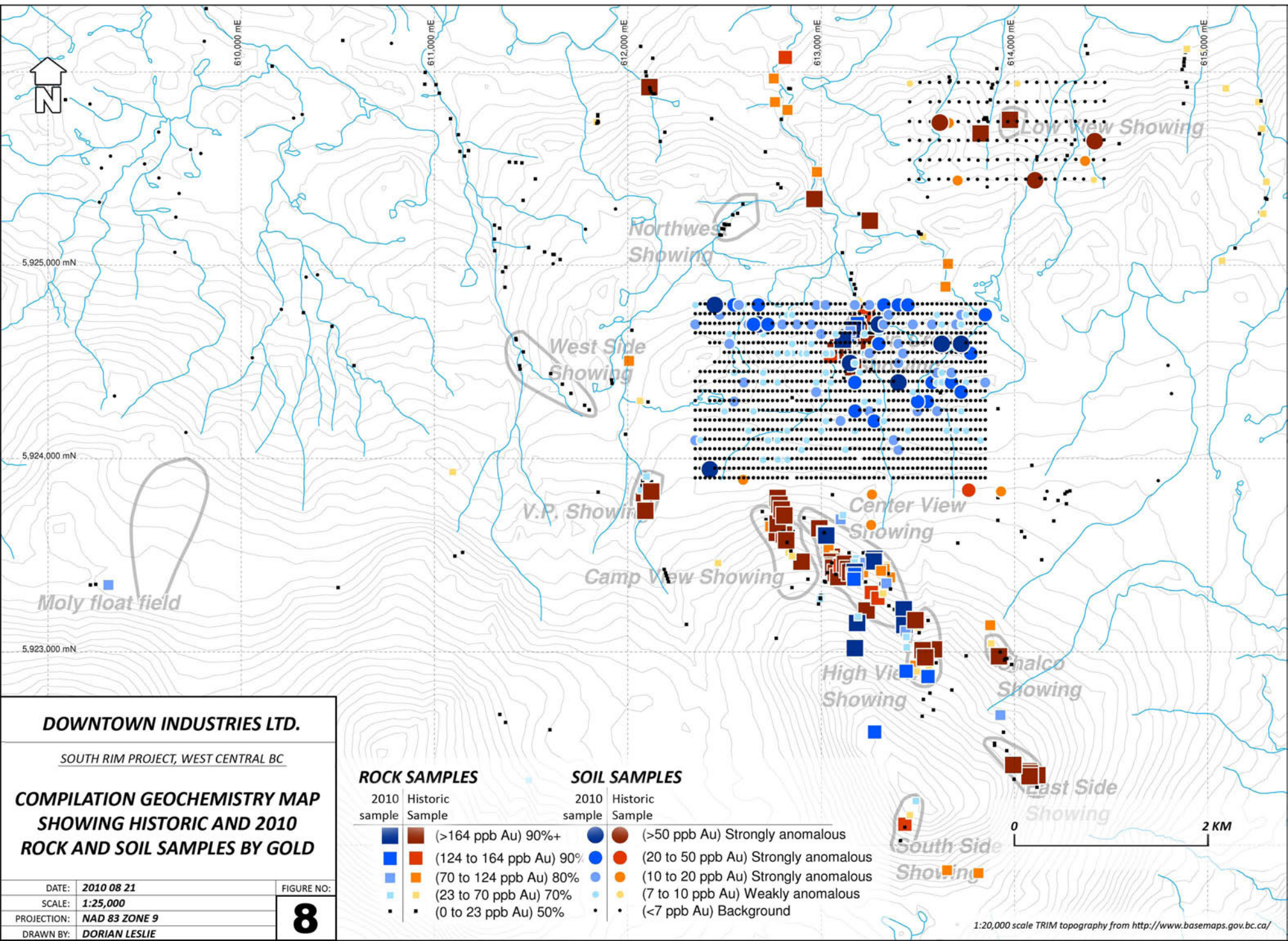
SCALE: **1:50,000**

PROJECTION: **NAD 83 ZONE 9**

DRAWN BY: **DORIAN LESLIE**

FIGURE NO:

7



DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**COMPILATION GEOCHEMISTRY MAP
SHOWING HISTORIC AND 2010
ROCK AND SOIL SAMPLES BY GOLD**

DATE: 2010 08 21

FIGURE NO:

8

SCALE: 1:25,000

PROJECTION: NAD 83 ZONE 9

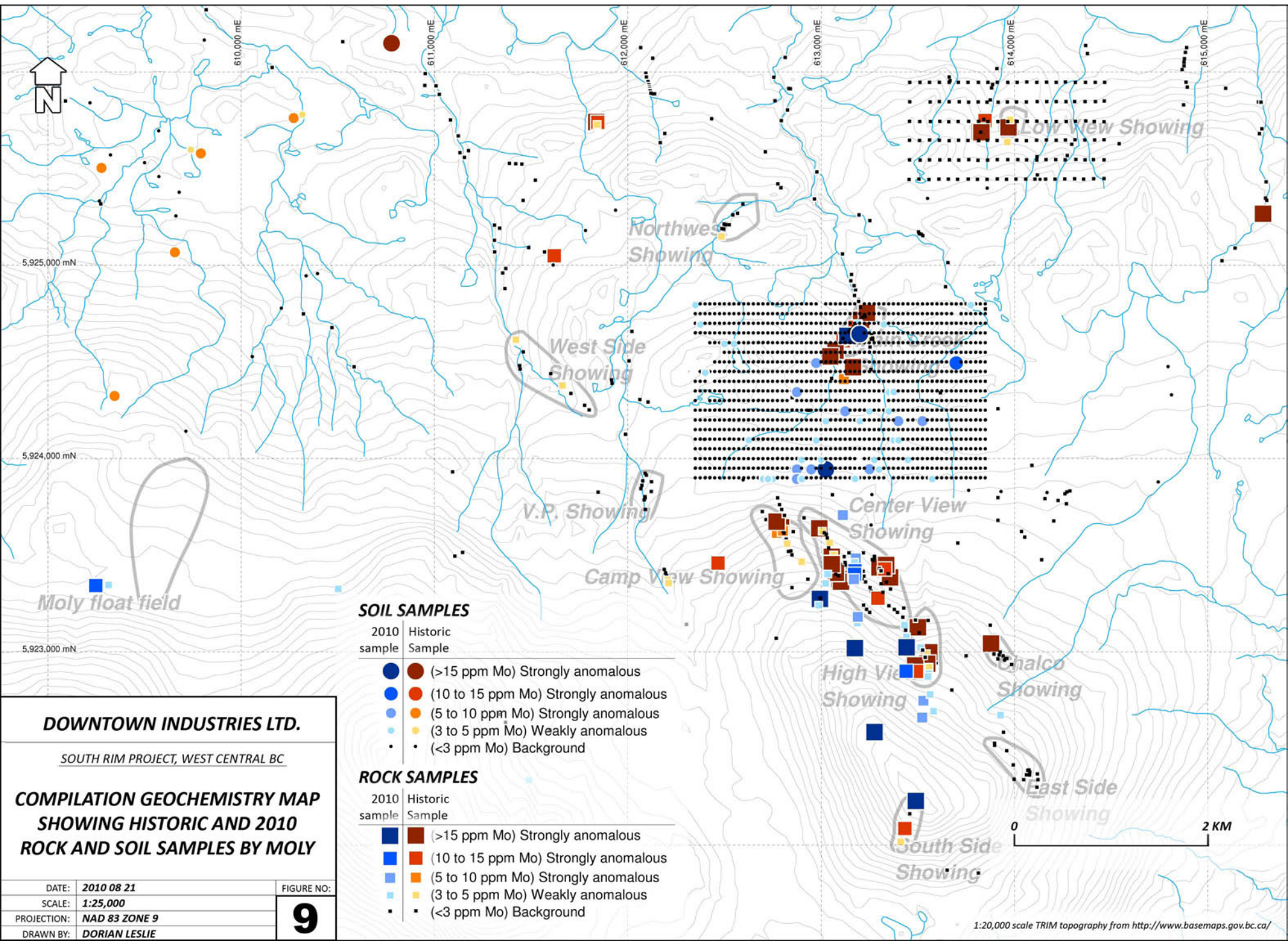
DRAWN BY: DORIAN LESLIE

ROCK SAMPLES

2010 sample	Historic Sample	
		(>164 ppb Au) 90%+
		(124 to 164 ppb Au) 90%
		(70 to 124 ppb Au) 80%
		(23 to 70 ppb Au) 70%
		(0 to 23 ppb Au) 50%

SOIL SAMPLES

2010 sample	Historic Sample	
		(>50 ppb Au) Strongly anomalous
		(20 to 50 ppb Au) Strongly anomalous
		(10 to 20 ppb Au) Strongly anomalous
		(7 to 10 ppb Au) Weakly anomalous
		(<7 ppb Au) Background



DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**COMPILATION GEOCHEMISTRY MAP
SHOWING HISTORIC AND 2010
ROCK AND SOIL SAMPLES BY MOLY**

DATE: 2010 08 21

FIGURE NO:

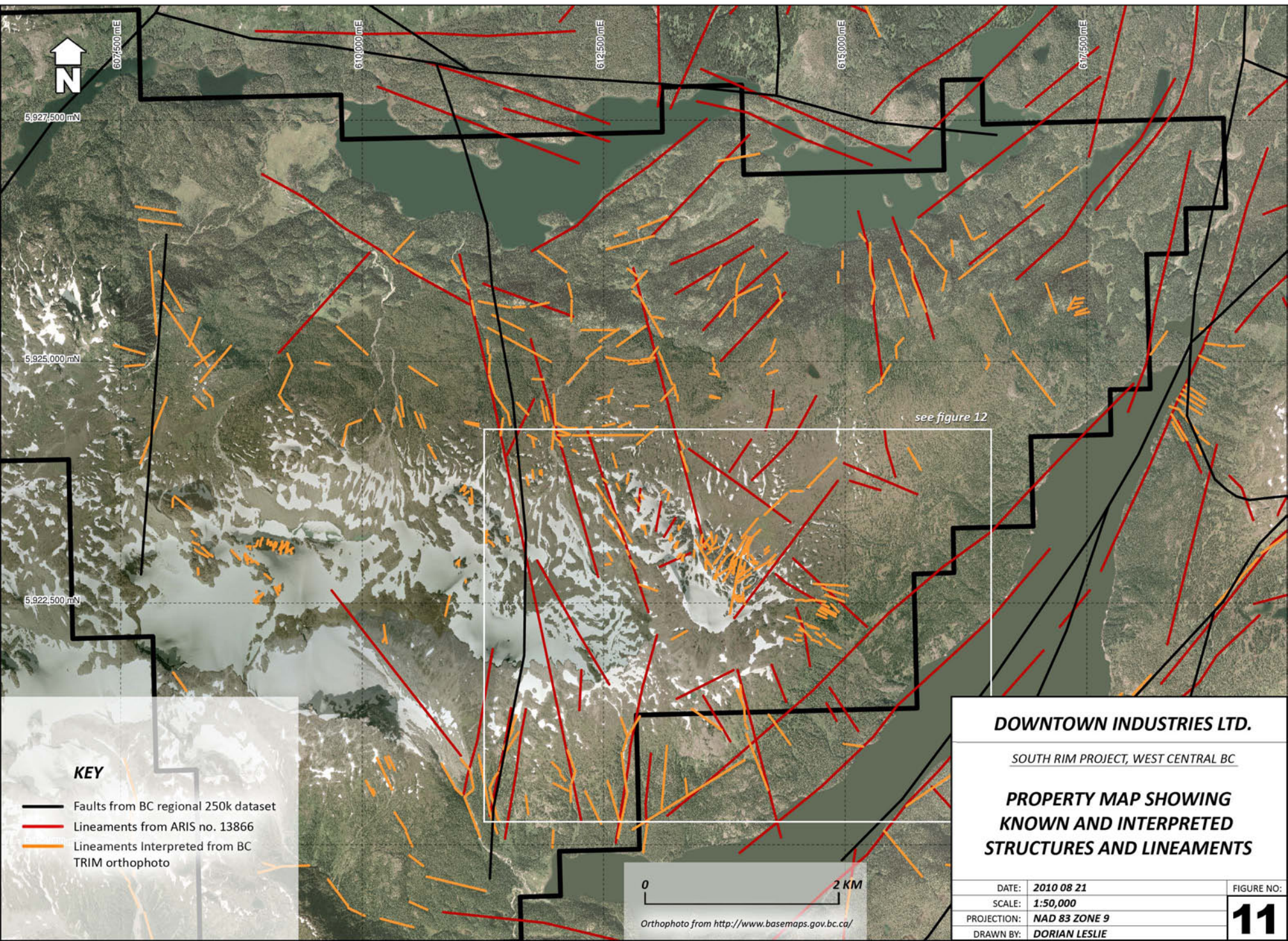
9

SCALE: 1:25,000

PROJECTION: NAD 83 ZONE 9

DRAWN BY: DORIAN LESLIE

1:20,000 scale TRIM topography from <http://www.basemaps.gov.bc.ca/>



KEY

- Faults from BC regional 250k dataset
- Lineaments from ARIS no. 13866
- Lineaments interpreted from BC TRIM orthophoto

see figure 12

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**PROPERTY MAP SHOWING
KNOWN AND INTERPRETED
STRUCTURES AND LINEAMENTS**

DATE: 2010 08 21

SCALE: 1:50,000

PROJECTION: NAD 83 ZONE 9

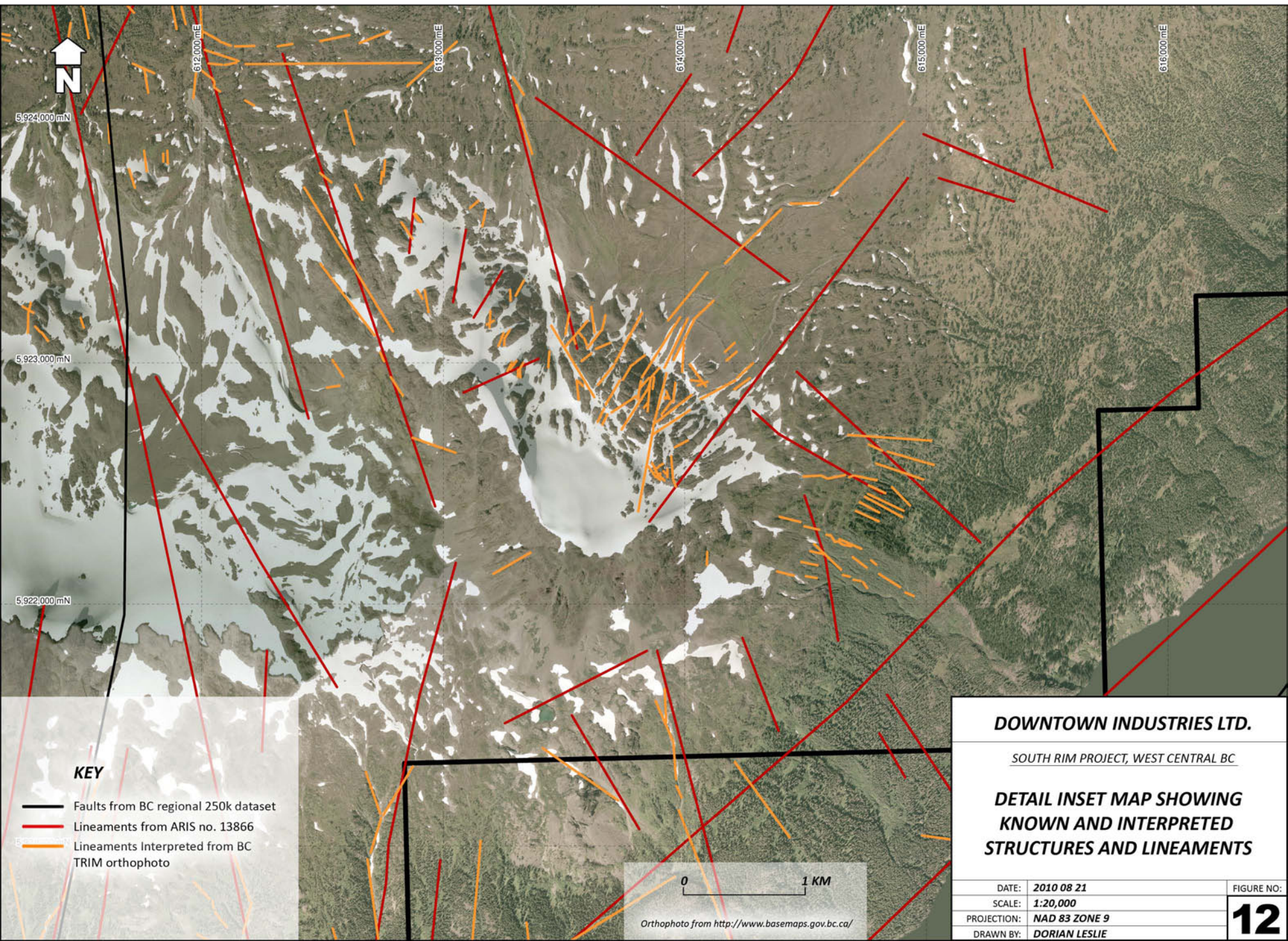
DRAWN BY: DORIAN LESLIE

FIGURE NO:

11

0 2 KM

Orthophoto from <http://www.basemaps.gov.bc.ca/>



KEY

- Faults from BC regional 250k dataset
- Lineaments from ARIS no. 13866
- Lineaments interpreted from BC TRIM orthophoto

DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

DETAIL INSET MAP SHOWING KNOWN AND INTERPRETED STRUCTURES AND LINEAMENTS

DATE: 2010 08 21

SCALE: 1:20,000

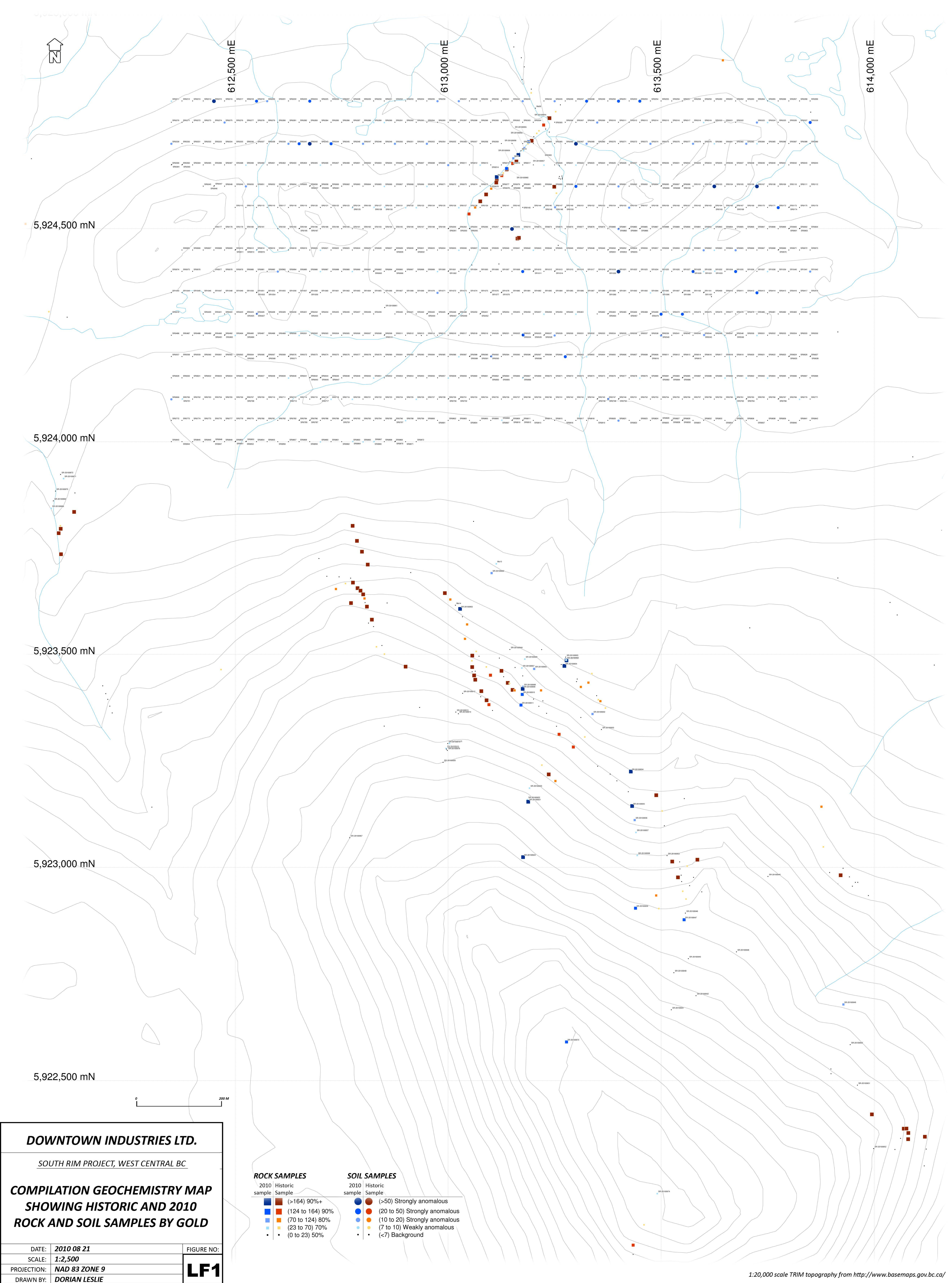
PROJECTION: NAD 83 ZONE 9

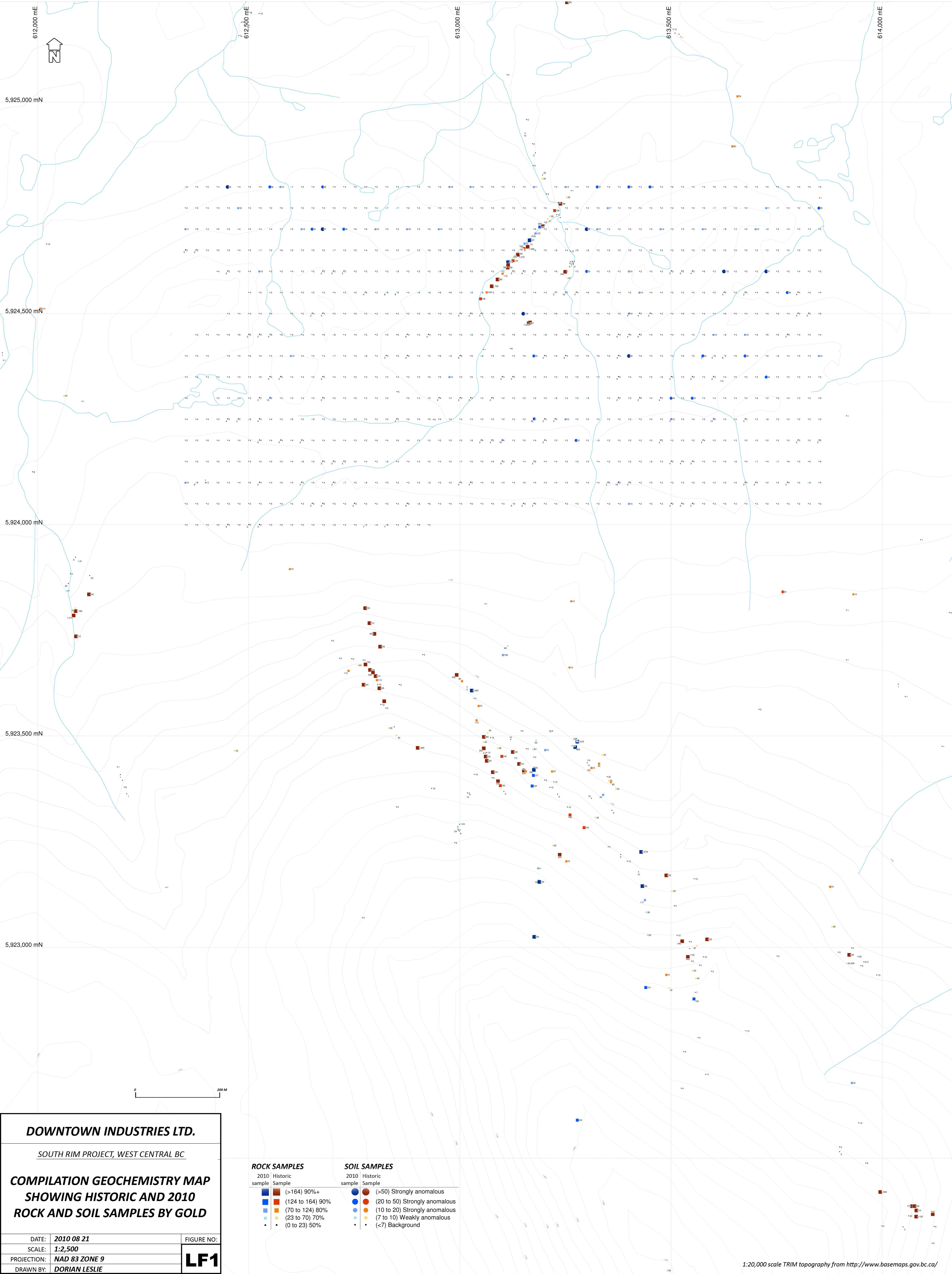
DRAWN BY: DORIAN LESLIE

FIGURE NO:

12

Orthophoto from <http://www.basemaps.gov.bc.ca/>





DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**COMPILATION GEOCHEMISTRY MAP
SHOWING HISTORIC AND 2010
ROCK AND SOIL SAMPLES BY GOLD**

DATE:	2010 08 21
SCALE:	1:2,500
PROJECTION:	NAD 83 ZONE 9
DRAWN BY:	DORIAN LESLIE

FIGURE NO:

LF1

- ROCK SAMPLES**

2010 Historic sample	Sample	(>164) 90%+
■	■	(124 to 164) 90%
■	■	(70 to 124) 80%
■	■	(23 to 70) 70%
■	■	(0 to 23) 50%
- SOIL SAMPLES**

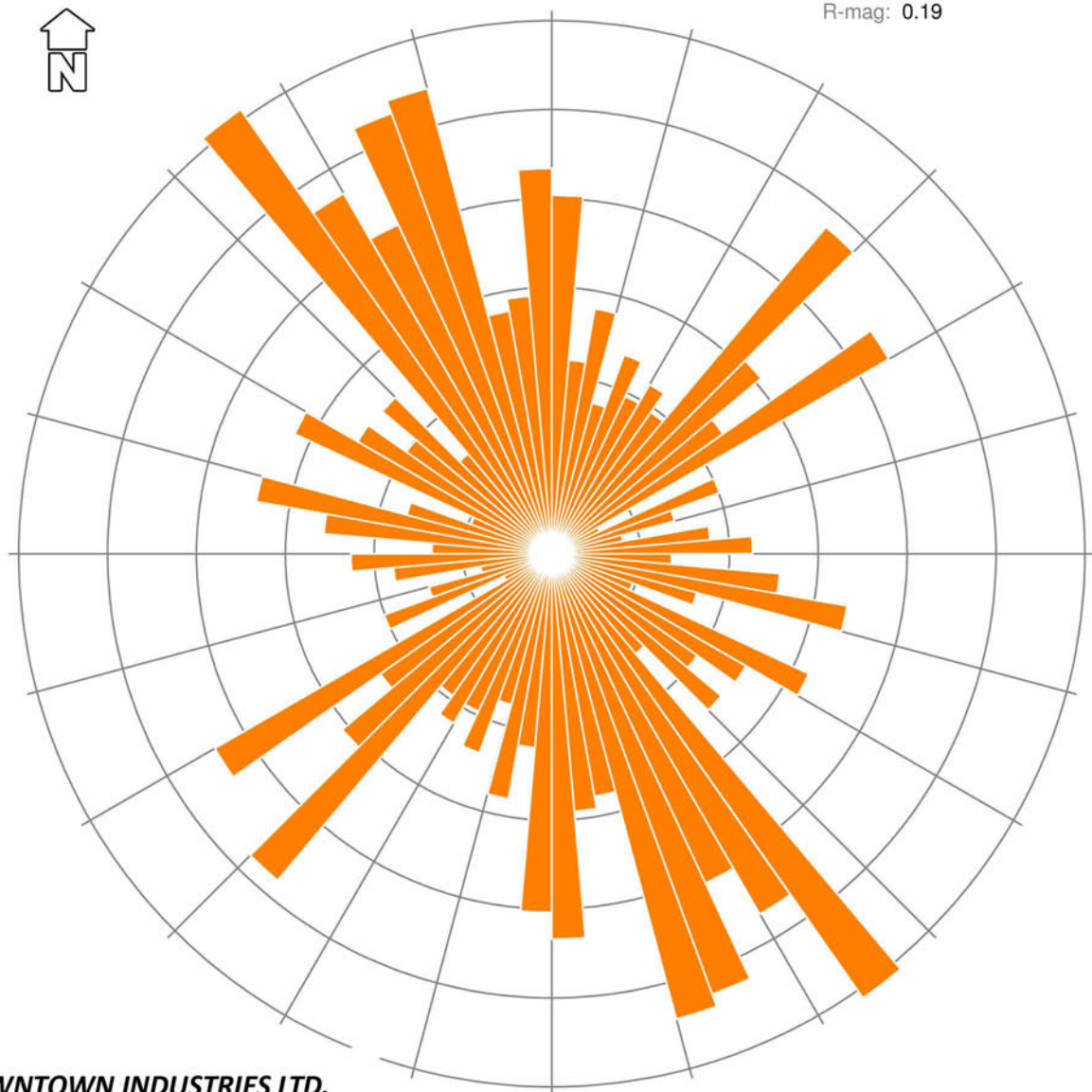
2010 Historic sample	Sample	(>50) Strongly anomalous
●	●	(20 to 50) Strongly anomalous
●	●	(10 to 20) Strongly anomalous
●	●	(7 to 10) Weakly anomalous
●	●	(<7) Background

ROSE DIAGRAM SHOWING LINEAMENT DIRECTION WEIGHTED BY LENGTH

GRAPH NO. 1

Rose Diagram Statistical Summary

Calculation Method: Length
Class Interval: 5.0 Degrees
Min.Length Filtering: Deactivated
Max.Length Filtering: Deactivated
Azimuth Filtering: Activated
Minimum Azimuth #1: 0.0 Degrees
Maximum Azimuth #1: 360.0 Degrees
Data Type: Bidirectional
Population: 491
Maximum Percentage: 6.1 Percent
Mean Percentage: 2.8 Percent
Standard Deviation: 1.4 Percent
Vector Mean: 165.0 Degrees
345.01 Degrees
Confidence Interval: 18.9 Degrees
(95 Percent)
R-mag: 0.19



DOWNTOWN INDUSTRIES LTD.

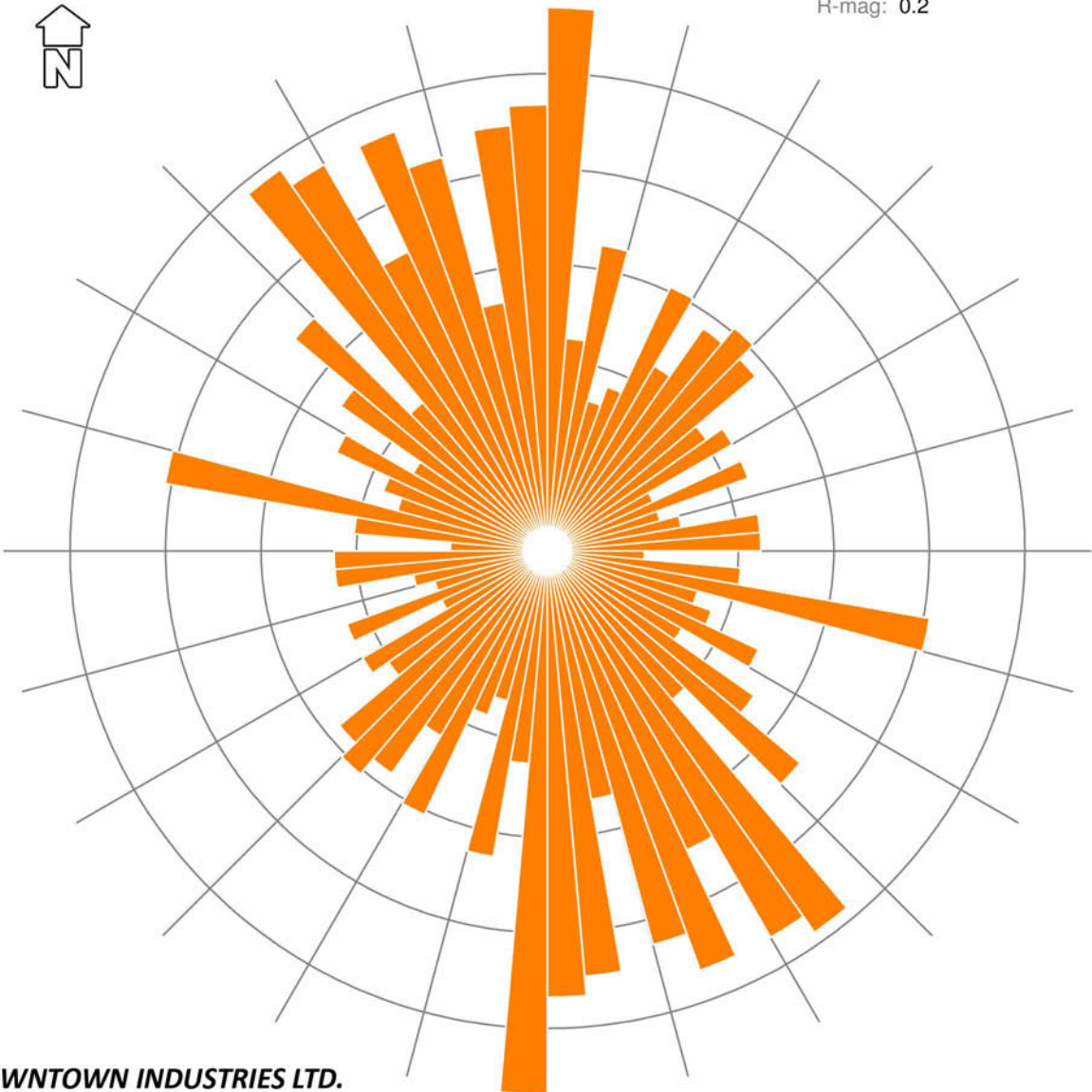
SOUTH RIM PROJECT, WEST CENTRAL BC

ROSE DIAGRAM SHOWING LINEAMENT DIRECTION

GRAPH NO. 2

Rose Diagram Statistical Summary

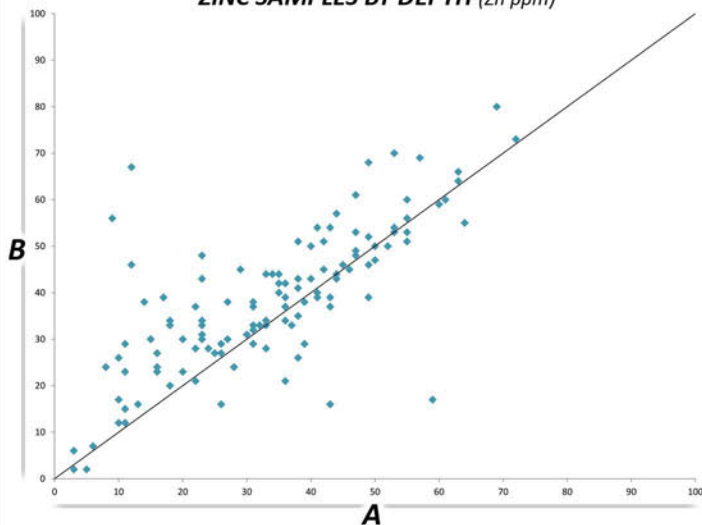
Calculation Method: Frequency
Class Interval: 5.0 Degrees
Azimuth Filtering: Activated
Minimum Azimuth #1: 0.0 Degrees
Maximum Azimuth #1: 360.0 Degrees
Data Type: Bidirectional
Population: 492
Maximum Percentage: 5.7 Percent
Mean Percentage: 2.8 Percent
Standard Deviation: 1.2 Percent
Vector Mean: 165.6 Degrees
345.55 Degrees
Confidence Interval: 17.5 Degrees
(95 Percent)
R-mag: 0.2



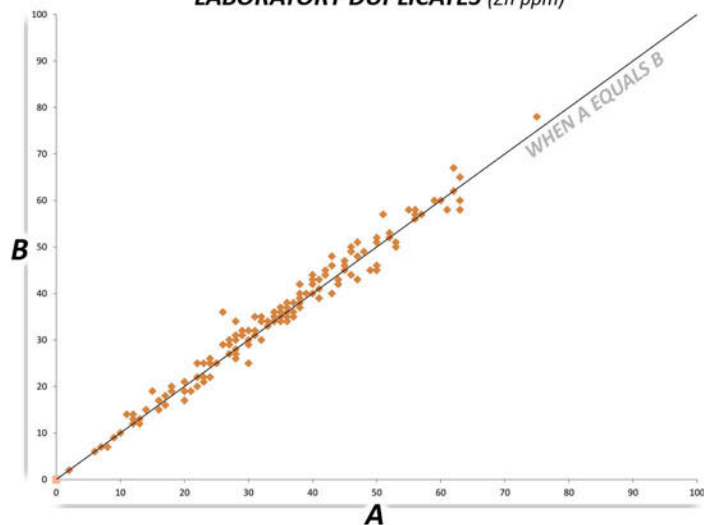
DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

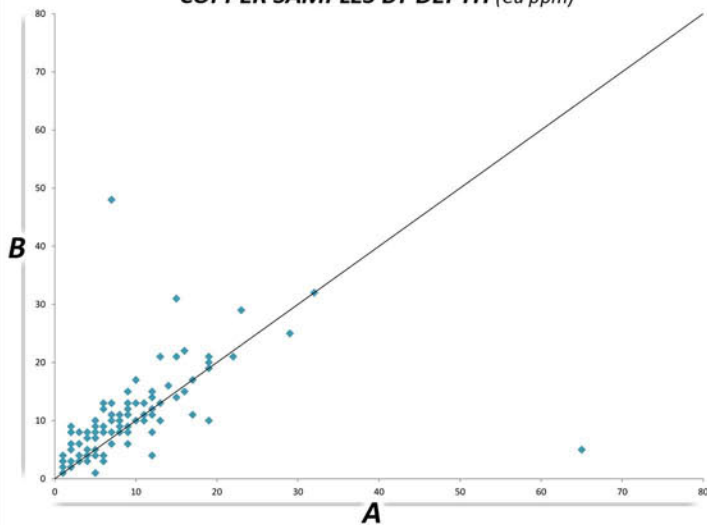
**SCATTER PLOT SHOWING
ZINC SAMPLES BY DEPTH (Zn ppm)**



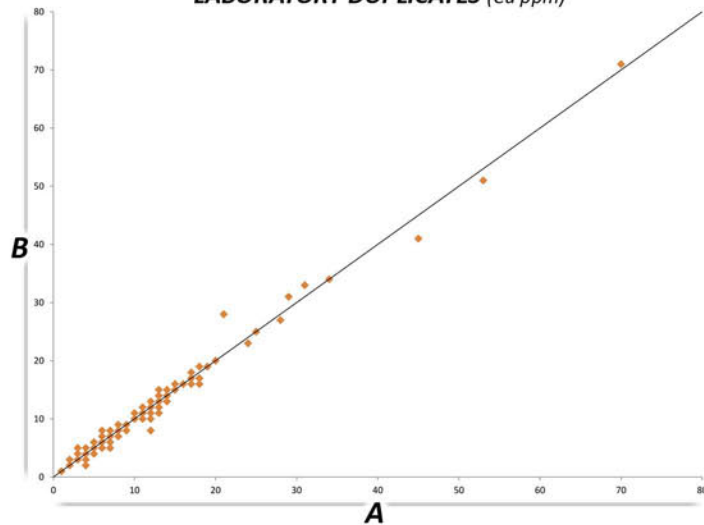
**SCATTER PLOT SHOWING
LABORATORY DUPLICATES (Zn ppm)**



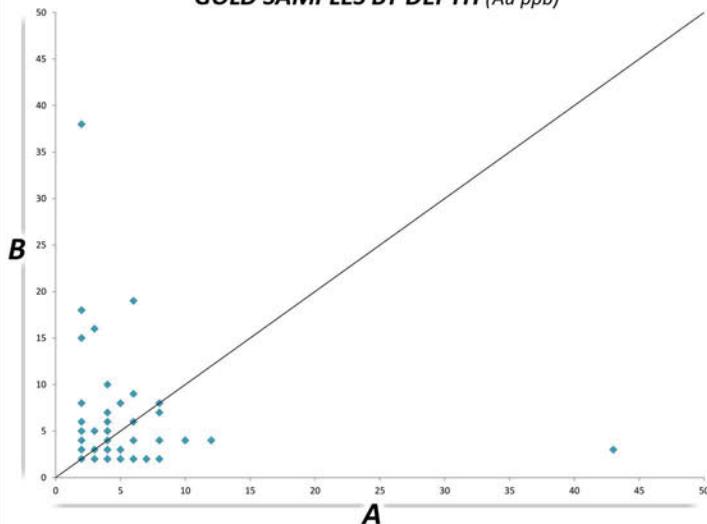
**SCATTER PLOT SHOWING
COPPER SAMPLES BY DEPTH (Cu ppm)**



**SCATTER PLOT SHOWING
LABORATORY DUPLICATES (Cu ppm)**



**SCATTER PLOT SHOWING
GOLD SAMPLES BY DEPTH (Au ppb)**



DOWNTOWN INDUSTRIES LTD.

SOUTH RIM PROJECT, WEST CENTRAL BC

**SCATTER PLOTS SHOWING
GEOCHEM FROM DIFFERENT DEPTHS
AND LABORATORY DUPLICATES**

DATE: 2010 11 03

SCALE: AS SHOWN

PROJECTION: N/A

DRAWN BY: JAMES THOM

GRAPH NO.

3

APPENDIX 2
-SOIL LOCATIONS-

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0001	612775	5924650	SR0046	612450	5924600
SR0002	612800	5924650	SR0047	612451	5924601
SR0003	612825	5924650	SR0048	612475	5924600
SR0004	612850	5924650	SR0049	612500	5924600
SR0005	612875	5924650	SR0050	612525	5924600
SR0006	612900	5924650	SR0051	612550	5924600
SR0007	612925	5924650	SR0052	612575	5924600
SR0008	612950	5924650	SR0053	612600	5924600
SR0009	612975	5924650	SR0054	612625	5924600
SR0010	613000	5924650	SR0055	612650	5924600
SR0011	613025	5924650	SR0056	612675	5924600
SR0012	613050	5924650	SR0057	612676	5924601
SR0013	613075	5924650	SR0058	612700	5924600
SR0014	613100	5924650	SR0059	612701	5924601
SR0015	613125	5924650	SR0060	612725	5924600
SR0016	613150	5924650	SR0061	612726	5924601
SR0017	613175	5924650	SR0062	612750	5924600
SR0018	613200	5924650	SR0063	612775	5924600
SR0019	613225	5924650	SR0064	612800	5924600
SR0020	613250	5924650	SR0065	612825	5924600
SR0021	613275	5924650	SR0066	612850	5924600
SR0022	613300	5924650	SR0067	612875	5924600
SR0023	613325	5924650	SR0068	612900	5924600
SR0024	613350	5924650	SR0069	612925	5924600
SR0025	613375	5924650	SR0070	612950	5924600
SR0026	613400	5924650	SR0071	612975	5924600
SR0027	613425	5924650	SR0072	613000	5924600
SR0028	613450	5924650	SR0073	613025	5924600
SR0029	613475	5924650	SR0074	613050	5924600
SR0030	613500	5924650	SR0075	613075	5924600
SR0031	613525	5924650	SR0076	613100	5924600
SR0032	613550	5924650	SR0077	613125	5924600
SR0033	613575	5924650	SR0078	613126	5924601
SR0034	613600	5924650	SR0079	613150	5924600
SR0035	613625	5924650	SR0080	613151	5924601
SR0036	613650	5924650	SR0081	613175	5924600
SR0037	613675	5924650	SR0082	613176	5924601
SR0038	613700	5924650	SR0083	613200	5924600
SR0039	613725	5924650	SR0084	613225	5924600
SR0040	613750	5924650	SR0085	613250	5924600
SR0041	613775	5924650	SR0086	613275	5924600
SR0042	613800	5924650	SR0087	613300	5924600
SR0043	613825	5924650	SR0088	613325	5924600
SR0044	613850	5924650	SR0089	613350	5924600
SR0045	612425	5924600	SR0090	613375	5924600

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0091	613400	5924600	SR0136	613000	5924550
SR0092	613425	5924600	SR0137	613025	5924550
SR0093	613450	5924600	SR0138	613050	5924550
SR0094	613475	5924600	SR0139	613075	5924550
SR0095	613500	5924600	SR0140	613100	5924550
SR0096	613501	5924601	SR0141	613125	5924550
SR0097	613525	5924600	SR0142	613150	5924550
SR0098	613526	5924601	SR0143	613175	5924550
SR0099	613550	5924600	SR0144	613200	5924550
SR0100	613551	5924601	SR0145	613225	5924550
SR0101	613575	5924600	SR0146	613226	5924551
SR0102	613600	5924600	SR0147	613250	5924550
SR0103	613625	5924600	SR0148	613251	5924551
SR0104	613650	5924600	SR0149	613275	5924550
SR0105	613675	5924600	SR0150	613276	5924551
SR0106	613700	5924600	SR0151	613300	5924550
SR0107	613725	5924600	SR0152	613325	5924550
SR0108	613750	5924600	SR0153	613350	5924550
SR0109	613775	5924600	SR0154	613375	5924550
SR0110	613800	5924600	SR0155	613400	5924550
SR0111	613825	5924600	SR0156	613425	5924550
SR0112	613850	5924600	SR0157	613450	5924550
SR0113	612500	5924550	SR0158	613475	5924550
SR0114	612525	5924550	SR0159	613500	5924550
SR0115	612550	5924550	SR0160	613525	5924550
SR0116	612575	5924550	SR0161	613550	5924550
SR0117	612600	5924550	SR0162	613575	5924550
SR0118	612625	5924550	SR0163	613600	5924550
SR0119	612650	5924550	SR0164	613625	5924550
SR0120	612675	5924550	SR0165	613626	5924551
SR0121	612700	5924550	SR0166	613650	5924550
SR0122	612725	5924550	SR0167	613675	5924550
SR0123	612750	5924550	SR0168	613676	5924551
SR0124	612775	5924550	SR0169	613700	5924550
SR0125	612776	5924551	SR0170	613725	5924550
SR0126	612800	5924550	SR0171	613750	5924550
SR0127	612825	5924550	SR0172	613775	5924550
SR0128	612826	5924551	SR0173	613800	5924550
SR0129	612850	5924550	SR0174	613801	5924551
SR0130	612851	5924551	SR0175	613825	5924550
SR0131	612875	5924550	SR0176	613850	5924550
SR0132	612900	5924550	SR0177	612450	5924500
SR0133	612925	5924550	SR0178	612475	5924500
SR0134	612950	5924550	SR0179	612500	5924500
SR0135	612975	5924550	SR0180	612525	5924500

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0181	612550	5924500	SR0226	612725	5924800
SR0182	612600	5924500	SR0227	612750	5924800
SR0183	612625	5924500	SR0228	612775	5924800
SR0184	612650	5924500	SR0229	612800	5924800
SR0185	612651	5924501	SR0230	612825	5924800
SR0186	612675	5924500	SR0231	612850	5924800
SR0187	612676	5924501	SR0232	612875	5924800
SR0188	612700	5924500	SR0233	612900	5924800
SR0189	612725	5924500	SR0234	612925	5924800
SR0190	612750	5924500	SR0235	612950	5924800
SR0191	612775	5924500	SR0236	612975	5924800
SR0192	612800	5924500	SR0237	613025	5924800
SR0193	612825	5924500	SR0238	613050	5924800
SR0194	612850	5924500	SR0239	613075	5924800
SR0195	612875	5924500	SR0240	613100	5924800
SR0196	612900	5924500	SR0241	613125	5924800
SR0197	612925	5924500	SR0242	613150	5924800
SR0198	612950	5924500	SR0243	613175	5924800
SR0199	612975	5924500	SR0244	613225	5924800
SR0200	613000	5924500	SR0245	613250	5924800
SR0201	613001	5924501	SR0246	613275	5924800
SR0202	613025	5924500	SR0247	613300	5924800
SR0203	613026	5924501	SR0248	613325	5924800
SR0204	613050	5924500	SR0249	613350	5924800
SR0205	613051	5924501	SR0250	613375	5924800
SR0206	613075	5924500	SR0251	613400	5924800
SR0207	613100	5924500	SR0252	613425	5924800
SR0208	613125	5924500	SR0253	613450	5924800
SR0209	613150	5924500	SR0254	613475	5924800
SR0210	613175	5924500	SR0255	613500	5924800
SR0211	612350	5924800	SR0256	613525	5924800
SR0212	612375	5924800	SR0257	613550	5924800
SR0213	612400	5924800	SR0258	613575	5924800
SR0214	612425	5924800	SR0259	613600	5924800
SR0215	612450	5924800	SR0260	613625	5924800
SR0216	612475	5924800	SR0261	613650	5924800
SR0217	612500	5924800	SR0262	613675	5924800
SR0218	612525	5924800	SR0263	613700	5924800
SR0219	612550	5924800	SR0264	613725	5924800
SR0220	612575	5924800	SR0265	613750	5924800
SR0221	612600	5924800	SR0266	613775	5924800
SR0222	612625	5924800	SR0267	613800	5924800
SR0223	612650	5924800	SR0268	613825	5924800
SR0224	612675	5924800	SR0269	613850	5924800
SR0225	612700	5924800	SR0270	612350	5924750

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0271	612375	5924750	SR0316	613525	5924750
SR0272	612400	5924750	SR0317	613550	5924750
SR0273	612425	5924750	SR0318	613575	5924750
SR0274	612450	5924750	SR0319	613600	5924750
SR0275	612475	5924750	SR0320	613625	5924750
SR0276	612500	5924750	SR0321	613650	5924750
SR0277	612525	5924750	SR0322	613675	5924750
SR0278	612550	5924750	SR0323	613725	5924750
SR0279	612575	5924750	SR0324	613750	5924750
SR0280	612600	5924750	SR0325	613775	5924750
SR0281	612625	5924750	SR0326	613800	5924750
SR0282	612650	5924750	SR0327	613825	5924750
SR0283	612675	5924750	SR0328	613850	5924750
SR0284	612700	5924750	SR0329	612350	5924700
SR0285	612725	5924750	SR0330	612375	5924700
SR0286	612750	5924750	SR0331	612400	5924700
SR0287	612775	5924750	SR0332	612425	5924700
SR0288	612800	5924750	SR0333	612450	5924700
SR0289	612825	5924750	SR0334	612475	5924700
SR0290	612850	5924750	SR0335	612500	5924700
SR0291	612875	5924750	SR0336	612525	5924700
SR0292	612900	5924750	SR0337	612550	5924700
SR0293	612925	5924750	SR0338	612575	5924700
SR0294	612950	5924750	SR0339	612600	5924700
SR0295	612975	5924750	SR0340	612625	5924700
SR0296	613000	5924750	SR0341	612650	5924700
SR0297	613025	5924750	SR0342	612675	5924700
SR0298	613050	5924750	SR0343	612700	5924700
SR0299	613075	5924750	SR0344	612725	5924700
SR0300	613100	5924750	SR0345	612750	5924700
SR0301	613125	5924750	SR0346	612775	5924700
SR0302	613150	5924750	SR0347	612800	5924700
SR0303	613175	5924750	SR0348	612825	5924700
SR0304	613200	5924750	SR0349	612850	5924700
SR0305	613250	5924750	SR0350	612875	5924700
SR0306	613275	5924750	SR0351	612900	5924700
SR0307	613300	5924750	SR0352	612925	5924700
SR0308	613325	5924750	SR0353	612950	5924700
SR0309	613350	5924750	SR0354	612975	5924700
SR0310	613375	5924750	SR0355	613000	5924700
SR0311	613400	5924750	SR0356	613025	5924700
SR0312	613425	5924750	SR0357	613050	5924700
SR0313	613450	5924750	SR0358	613075	5924700
SR0314	613475	5924750	SR0359	613100	5924700
SR0315	613500	5924750	SR0360	613125	5924700

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0361	613150	5924700	SR0406	612700	5924650
SR0362	613175	5924700	SR0407	612725	5924650
SR0363	613200	5924700	SR0408	612750	5924650
SR0364	613225	5924700	SR0409	613625	5924350
SR0365	613250	5924700	SR0410	613650	5924350
SR0366	613275	5924700	SR0411	613675	5924350
SR0367	613300	5924700	SR0412	613700	5924350
SR0368	613325	5924700	SR0413	613725	5924350
SR0369	613350	5924700	SR0414	613750	5924350
SR0370	613375	5924700	SR0415	613775	5924350
SR0371	613400	5924700	SR0416	613800	5924350
SR0372	613425	5924700	SR0417	613825	5924350
SR0373	613450	5924700	SR0418	613850	5924350
SR0374	613475	5924700	SR0419	612350	5924300
SR0375	613500	5924700	SR0420	612425	5924300
SR0376	613525	5924700	SR0421	612450	5924300
SR0377	613550	5924700	SR0422	612475	5924300
SR0378	613575	5924700	SR0423	612500	5924300
SR0379	613600	5924700	SR0424	612525	5924300
SR0380	613625	5924700	SR0425	612526	5924301
SR0381	613650	5924700	SR0426	612550	5924300
SR0382	613675	5924700	SR0427	612551	5924301
SR0383	613700	5924700	SR0428	612575	5924300
SR0384	613725	5924700	SR0429	612600	5924300
SR0385	613750	5924700	SR0430	612625	5924300
SR0386	613775	5924700	SR0431	612650	5924300
SR0387	613800	5924700	SR0432	612675	5924300
SR0388	613825	5924700	SR0433	612676	5924301
SR0389	613850	5924700	SR0434	612700	5924300
SR0390	612350	5924650	SR0435	612725	5924300
SR0391	612351	5924651	SR0436	612750	5924300
SR0392	612375	5924650	SR0437	612775	5924300
SR0393	612376	5924651	SR0438	612800	5924300
SR0394	612400	5924650	SR0439	612825	5924300
SR0395	612425	5924650	SR0440	612875	5924300
SR0396	612450	5924650	SR0441	612900	5924300
SR0397	612475	5924650	SR0442	612925	5924300
SR0398	612500	5924650	SR0443	612950	5924300
SR0399	612525	5924650	SR0444	612951	5924301
SR0400	612550	5924650	SR0445	612975	5924300
SR0401	612575	5924650	SR0446	613000	5924300
SR0402	612600	5924650	SR0447	613001	5924301
SR0403	612625	5924650	SR0448	613025	5924300
SR0404	612650	5924650	SR0449	613026	5924301
SR0405	612675	5924650	SR0450	613050	5924300

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0451	613075	5924300	SR0496	612526	5924251
SR0452	613076	5924301	SR0497	612550	5924250
SR0453	613100	5924300	SR0498	612575	5924250
SR0454	613125	5924300	SR0499	612600	5924250
SR0455	613150	5924300	SR0500	612625	5924250
SR0456	613175	5924300	SR0501	612650	5924250
SR0457	613200	5924300	SR0502	612675	5924250
SR0458	613225	5924300	SR0503	612700	5924250
SR0459	613250	5924300	SR0504	612725	5924250
SR0460	613275	5924300	SR0505	612750	5924250
SR0461	613300	5924300	SR0506	612775	5924250
SR0462	613350	5924300	SR0507	612800	5924250
SR0463	613375	5924300	SR0508	612825	5924250
SR0464	613376	5924301	SR0509	612850	5924250
SR0465	613400	5924300	SR0510	612851	5924251
SR0466	613425	5924300	SR0511	612875	5924250
SR0467	613426	5924301	SR0512	612900	5924250
SR0468	613450	5924300	SR0513	612925	5924250
SR0469	613475	5924300	SR0514	612950	5924250
SR0470	613476	5924301	SR0515	612975	5924250
SR0471	613500	5924300	SR0516	613000	5924250
SR0472	613525	5924300	SR0517	613025	5924250
SR0473	613550	5924300	SR0518	613050	5924250
SR0474	613575	5924300	SR0519	613075	5924250
SR0475	613600	5924300	SR0520	613100	5924250
SR0476	613625	5924300	SR0521	613125	5924250
SR0477	613650	5924300	SR0522	613150	5924250
SR0478	613675	5924300	SR0523	613175	5924250
SR0479	613700	5924300	SR0524	613176	5924251
SR0480	613725	5924300	SR0525	613200	5924250
SR0481	613750	5924300	SR0526	613201	5924251
SR0482	613775	5924300	SR0527	613225	5924250
SR0483	613800	5924300	SR0528	613226	5924251
SR0484	613825	5924300	SR0529	613250	5924250
SR0485	613850	5924300	SR0530	613275	5924250
SR0486	612350	5924250	SR0531	613300	5924250
SR0487	612375	5924250	SR0532	613325	5924250
SR0488	612400	5924250	SR0533	613350	5924250
SR0489	612425	5924250	SR0534	613375	5924250
SR0490	612450	5924250	SR0535	613400	5924250
SR0491	612451	5924251	SR0536	613425	5924250
SR0492	612475	5924250	SR0537	613450	5924250
SR0493	612476	5924251	SR0538	613475	5924250
SR0494	612500	5924250	SR0539	613500	5924250
SR0495	612525	5924250	SR0540	613501	5924251

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0541	613525	5924250	SR0586	613000	5924200
SR0542	613550	5924250	SR0587	613025	5924200
SR0543	613575	5924250	SR0588	613050	5924200
SR0544	613600	5924250	SR0589	613051	5924201
SR0545	613601	5924251	SR0590	613075	5924200
SR0546	613625	5924250	SR0591	613076	5924201
SR0547	613650	5924250	SR0592	613100	5924200
SR0548	613675	5924250	SR0593	613101	5924201
SR0549	613676	5924251	SR0594	613125	5924200
SR0550	613700	5924250	SR0595	613150	5924200
SR0551	613725	5924250	SR0596	613175	5924200
SR0552	613750	5924250	SR0597	613200	5924200
SR0553	613775	5924250	SR0598	613201	5924201
SR0554	613800	5924250	SR0599	613225	5924200
SR0555	613825	5924250	SR0600	613250	5924200
SR0556	613850	5924250	SR0601	613275	5924200
SR0557	612350	5924200	SR0602	613300	5924200
SR0558	612375	5924200	SR0603	613325	5924200
SR0559	612400	5924200	SR0604	613350	5924200
SR0560	612425	5924200	SR0605	613375	5924200
SR0561	612450	5924200	SR0606	613400	5924200
SR0562	612475	5924200	SR0607	613425	5924200
SR0563	612500	5924200	SR0608	613450	5924200
SR0564	612525	5924200	SR0609	613475	5924200
SR0565	612526	5924201	SR0610	613476	5924201
SR0566	612550	5924200	SR0611	613500	5924200
SR0567	612575	5924200	SR0612	613525	5924200
SR0568	612576	5924201	SR0613	613550	5924200
SR0569	612600	5924200	SR0614	613575	5924200
SR0570	612625	5924200	SR0615	613576	5924201
SR0571	612626	5924201	SR0616	613600	5924200
SR0572	612650	5924200	SR0617	613625	5924200
SR0573	612675	5924200	SR0618	613650	5924200
SR0574	612700	5924200	SR0619	613675	5924200
SR0575	612725	5924200	SR0620	613700	5924200
SR0576	612750	5924200	SR0621	613725	5924200
SR0577	612775	5924200	SR0622	613750	5924200
SR0578	612800	5924200	SR0623	613775	5924200
SR0579	612825	5924200	SR0624	613800	5924200
SR0580	612850	5924200	SR0625	613801	5924201
SR0581	612875	5924200	SR0626	613825	5924200
SR0582	612900	5924200	SR0627	613850	5924200
SR0583	612925	5924200	SR0628	613851	5924201
SR0584	612950	5924200	SR0629	612350	5924150
SR0585	612975	5924200	SR0630	612375	5924150

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0631	612400	5924150	SR0676	613375	5924150
SR0632	612425	5924150	SR0677	613400	5924150
SR0633	612450	5924150	SR0678	613425	5924150
SR0634	612475	5924150	SR0679	613450	5924150
SR0635	612500	5924150	SR0680	613475	5924150
SR0636	612525	5924150	SR0681	613500	5924150
SR0637	612550	5924150	SR0682	613501	5924151
SR0638	612575	5924150	SR0683	613525	5924150
SR0639	612600	5924150	SR0684	613526	5924151
SR0640	612625	5924150	SR0685	613550	5924150
SR0641	612650	5924150	SR0686	613551	5924151
SR0642	612675	5924150	SR0687	613575	5924150
SR0643	612676	5924151	SR0688	613600	5924150
SR0644	612700	5924150	SR0689	613625	5924150
SR0645	612701	5924151	SR0690	613650	5924150
SR0646	612725	5924150	SR0691	613675	5924150
SR0647	612726	5924151	SR0692	613700	5924150
SR0648	612750	5924150	SR0693	613725	5924150
SR0649	612775	5924150	SR0694	613750	5924150
SR0650	612800	5924150	SR0695	613775	5924150
SR0651	612825	5924150	SR0696	613800	5924150
SR0652	612850	5924150	SR0697	613825	5924150
SR0653	612875	5924150	SR0698	613850	5924150
SR0654	612900	5924150	SR0699	612350	5924100
SR0655	612925	5924150	SR0700	612375	5924100
SR0656	612950	5924150	SR0701	612376	5924101
SR0657	612975	5924150	SR0702	612400	5924100
SR0658	613000	5924150	SR0703	612425	5924100
SR0659	613025	5924150	SR0704	612450	5924100
SR0660	613050	5924150	SR0705	612475	5924100
SR0661	613075	5924150	SR0706	612500	5924100
SR0662	613100	5924150	SR0707	612525	5924100
SR0663	613101	5924151	SR0708	612526	5924101
SR0664	613125	5924150	SR0709	612550	5924100
SR0665	613126	5924151	SR0710	612575	5924100
SR0666	613150	5924150	SR0711	612600	5924100
SR0667	613175	5924150	SR0712	612625	5924100
SR0668	613176	5924151	SR0713	612626	5924101
SR0669	613200	5924150	SR0714	612650	5924100
SR0670	613225	5924150	SR0715	612675	5924100
SR0671	613250	5924150	SR0716	612700	5924100
SR0672	613275	5924150	SR0717	612701	5924101
SR0673	613300	5924150	SR0718	612725	5924100
SR0674	613325	5924150	SR0719	612750	5924100
SR0675	613350	5924150	SR0720	612775	5924100

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Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0721	612800	5924100	SR0766	613750	5924100
SR0722	612825	5924100	SR0767	613775	5924100
SR0723	612850	5924100	SR0768	613776	5924101
SR0724	612875	5924100	SR0769	613800	5924100
SR0725	612900	5924100	SR0770	613825	5924100
SR0726	612925	5924100	SR0771	613850	5924100
SR0727	612950	5924100	SR0772	612350	5924050
SR0728	612975	5924100	SR0773	612375	5924050
SR0729	613000	5924100	SR0774	612400	5924050
SR0730	613001	5924101	SR0775	612425	5924050
SR0731	613025	5924100	SR0776	612450	5924050
SR0732	613026	5924101	SR0777	612475	5924050
SR0733	613050	5924100	SR0778	612500	5924050
SR0734	613075	5924100	SR0779	612525	5924050
SR0735	613100	5924100	SR0780	612550	5924050
SR0736	613125	5924100	SR0781	612575	5924050
SR0737	613150	5924100	SR0782	612600	5924050
SR0738	613175	5924100	SR0783	612625	5924050
SR0739	613200	5924100	SR0784	612650	5924050
SR0740	613225	5924100	SR0785	612651	5924051
SR0741	613250	5924100	SR0786	612675	5924050
SR0742	613275	5924100	SR0787	612676	5924051
SR0743	613300	5924100	SR0788	612700	5924050
SR0744	613325	5924100	SR0789	612725	5924050
SR0745	613350	5924100	SR0790	612750	5924050
SR0746	613351	5924101	SR0791	612751	5924051
SR0747	613375	5924100	SR0792	612775	5924050
SR0748	613376	5924101	SR0793	612800	5924050
SR0749	613400	5924100	SR0794	612825	5924050
SR0750	613401	5924101	SR0795	612850	5924050
SR0751	613425	5924100	SR0796	612875	5924050
SR0752	613450	5924100	SR0797	612876	5924051
SR0753	613475	5924100	SR0798	612900	5924050
SR0754	613500	5924100	SR0799	612925	5924050
SR0755	613525	5924100	SR0800	612950	5924050
SR0756	613550	5924100	SR0801	612975	5924050
SR0757	613575	5924100	SR0802	613000	5924050
SR0758	613600	5924100	SR0803	613025	5924050
SR0759	613625	5924100	SR0804	613050	5924050
SR0760	613650	5924100	SR0805	613075	5924050
SR0761	613675	5924100	SR0806	613100	5924050
SR0762	613676	5924101	SR0807	613125	5924050
SR0763	613700	5924100	SR0808	613126	5924051
SR0764	613701	5924101	SR0809	613150	5924050
SR0765	613725	5924100	SR0810	613151	5924051

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Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0811	613175	5924050	SR0856	612600	5924000
SR0812	613176	5924051	SR0857	612625	5924000
SR0813	613200	5924050	SR0858	612650	5924000
SR0814	613225	5924050	SR0859	612675	5924000
SR0815	613250	5924050	SR0860	612700	5924000
SR0816	613275	5924050	SR0861	612725	5924000
SR0817	613300	5924050	SR0862	612750	5924000
SR0818	613325	5924050	SR0863	612775	5924000
SR0819	613350	5924050	SR0864	612776	5924001
SR0820	613375	5924050	SR0865	612800	5924000
SR0821	613400	5924050	SR0866	612825	5924000
SR0822	613425	5924050	SR0867	612826	5924001
SR0823	613450	5924050	SR0868	612850	5924000
SR0824	613475	5924050	SR0869	612875	5924000
SR0825	613500	5924050	SR0870	612876	5924001
SR0826	613501	5924051	SR0871	612900	5924000
SR0827	613525	5924050	SR0872	612925	5924000
SR0828	613526	5924051	SR0873	613200	5924500
SR0829	613550	5924050	SR0874	613225	5924500
SR0830	613551	5924051	SR0875	613250	5924500
SR0831	613575	5924050	SR0876	613275	5924500
SR0832	613600	5924050	SR0877	613300	5924500
SR0833	613625	5924050	SR0878	613325	5924500
SR0834	613650	5924050	SR0879	613350	5924500
SR0835	613675	5924050	SR0880	613375	5924500
SR0836	613700	5924050	SR0881	613400	5924500
SR0837	613725	5924050	SR0882	613401	5924501
SR0838	613750	5924050	SR0883	613425	5924500
SR0839	613775	5924050	SR0884	613426	5924501
SR0840	613800	5924050	SR0885	613450	5924500
SR0841	613825	5924050	SR0886	613451	5924501
SR0842	613850	5924050	SR0887	613475	5924500
SR0843	612350	5924000	SR0888	613500	5924500
SR0844	612375	5924000	SR0889	613525	5924500
SR0845	612400	5924000	SR0890	613550	5924500
SR0846	612425	5924000	SR0891	613575	5924500
SR0847	612450	5924000	SR0892	613600	5924500
SR0848	612451	5924001	SR0893	613625	5924500
SR0849	612475	5924000	SR0894	613650	5924500
SR0850	612500	5924000	SR0895	613675	5924500
SR0851	612501	5924001	SR0896	613700	5924500
SR0852	612525	5924000	SR0897	613725	5924500
SR0853	612526	5924001	SR0898	613750	5924500
SR0854	612550	5924000	SR0899	613775	5924500
SR0855	612575	5924000	SR0900	613800	5924500

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0901	613801	5924501	SR0946	613275	5924450
SR0902	613825	5924500	SR0947	613300	5924450
SR0903	613826	5924501	SR0948	613325	5924450
SR0904	613850	5924500	SR0949	613350	5924450
SR0905	612375	5924450	SR0950	613375	5924450
SR0906	612400	5924450	SR0951	613376	5924451
SR0907	612425	5924450	SR0952	613400	5924450
SR0908	612450	5924450	SR0953	613401	5924451
SR0909	612475	5924450	SR0954	613425	5924450
SR0910	612500	5924450	SR0955	613426	5924451
SR0911	612501	5924451	SR0956	613450	5924450
SR0912	612525	5924450	SR0957	613475	5924450
SR0913	612526	5924451	SR0958	613500	5924450
SR0914	612550	5924450	SR0959	613525	5924450
SR0915	612551	5924451	SR0960	613550	5924450
SR0916	612575	5924450	SR0961	613575	5924450
SR0917	612600	5924450	SR0962	613600	5924450
SR0918	612625	5924450	SR0963	613625	5924450
SR0919	612650	5924450	SR0964	613650	5924450
SR0920	612675	5924450	SR0965	613675	5924450
SR0921	612700	5924450	SR0966	613700	5924450
SR0922	612725	5924450	SR0967	613725	5924450
SR0923	612750	5924450	SR0968	613750	5924450
SR0924	612775	5924450	SR0969	613775	5924450
SR0925	612800	5924450	SR0970	613776	5924451
SR0926	612825	5924450	SR0971	613800	5924450
SR0927	612850	5924450	SR0972	613825	5924450
SR0928	612875	5924450	SR0973	613850	5924450
SR0929	612876	5924451	SR0974	612350	5924400
SR0930	612900	5924450	SR0975	612375	5924400
SR0931	612925	5924450	SR0976	612400	5924400
SR0932	612926	5924451	SR0977	612450	5924400
SR0933	612950	5924450	SR0978	612475	5924400
SR0934	612975	5924450	SR0979	612500	5924400
SR0935	613000	5924450	SR0980	612525	5924400
SR0936	613025	5924450	SR0981	612550	5924400
SR0937	613050	5924450	SR0982	612575	5924400
SR0938	613075	5924450	SR0983	612600	5924400
SR0939	613100	5924450	SR0984	612625	5924400
SR0940	613125	5924450	SR0985	612650	5924400
SR0941	613150	5924450	SR0986	612675	5924400
SR0942	613175	5924450	SR0987	612700	5924400
SR0943	613200	5924450	SR0988	612725	5924400
SR0944	613225	5924450	SR0989	612750	5924400
SR0945	613250	5924450	SR0990	612775	5924400

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR0991	612800	5924400	SR1036	613700	5924400
SR0992	612825	5924400	SR1037	613725	5924400
SR0993	612826	5924401	SR1038	613750	5924400
SR0994	612850	5924400	SR1039	613775	5924400
SR0995	612875	5924400	SR1040	613800	5924400
SR0996	612876	5924401	SR1041	613825	5924400
SR0997	612900	5924400	SR1042	613850	5924400
SR0998	612925	5924400	SR1043	612350	5924350
SR0999	612950	5924400	SR1044	612375	5924350
SR1000	612975	5924400	SR1045	612400	5924350
SR1001	613000	5924400	SR1046	612425	5924350
SR1002	613001	5924401	SR1047	612450	5924350
SR1003	613025	5924400	SR1048	612475	5924350
SR1004	613050	5924400	SR1049	612500	5924350
SR1005	613075	5924400	SR1050	612525	5924350
SR1006	613100	5924400	SR1051	612550	5924350
SR1007	613125	5924400	SR1052	612551	5924351
SR1008	613150	5924400	SR1053	612575	5924350
SR1009	613175	5924400	SR1054	612576	5924351
SR1010	613200	5924400	SR1055	612600	5924350
SR1011	613201	5924401	SR1056	612625	5924350
SR1012	613225	5924400	SR1057	612650	5924350
SR1013	613250	5924400	SR1058	612675	5924350
SR1014	613251	5924401	SR1059	612676	5924351
SR1015	613275	5924400	SR1060	612700	5924350
SR1016	613300	5924400	SR1061	612725	5924350
SR1017	613325	5924400	SR1062	612750	5924350
SR1018	613350	5924400	SR1063	612775	5924350
SR1019	613375	5924400	SR1064	612800	5924350
SR1020	613376	5924401	SR1065	612825	5924350
SR1021	613400	5924400	SR1066	612850	5924350
SR1022	613425	5924400	SR1067	612875	5924350
SR1023	613450	5924400	SR1068	612900	5924350
SR1024	613475	5924400	SR1069	612925	5924350
SR1025	613500	5924400	SR1070	612950	5924350
SR1026	613525	5924400	SR1071	612975	5924350
SR1027	613550	5924400	SR1072	613000	5924350
SR1028	613575	5924400	SR1073	613025	5924350
SR1029	613576	5924401	SR1074	613050	5924350
SR1030	613600	5924400	SR1075	613075	5924350
SR1031	613601	5924401	SR1076	613100	5924350
SR1032	613625	5924400	SR1077	613101	5924351
SR1033	613626	5924401	SR1078	613125	5924350
SR1034	613650	5924400	SR1079	613126	5924351
SR1035	613675	5924400	SR1080	613150	5924350

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR1081	613175	5924350	SR1126	613475	5924000
SR1082	613200	5924350	SR1127	613500	5924000
SR1083	613225	5924350	SR1128	613525	5924000
SR1084	613250	5924350	SR1129	613550	5924000
SR1085	613275	5924350	SR1130	613575	5924000
SR1086	613300	5924350	SR1131	613576	5924001
SR1087	613325	5924350	SR1132	613600	5924000
SR1088	613350	5924350	SR1133	613601	5924001
SR1089	613375	5924350	SR1134	613625	5924000
SR1090	613376	5924351	SR1135	613650	5924000
SR1091	613400	5924350	SR1136	613675	5924000
SR1092	613425	5924350	SR1137	613700	5924000
SR1093	613450	5924350	SR1138	613725	5924000
SR1094	613475	5924350	SR1139	613750	5924000
SR1095	613500	5924350	SR1140	613775	5924000
SR1096	613501	5924351	SR1141	613800	5924000
SR1097	613525	5924350	SR1142	613801	5924001
SR1098	613550	5924350	SR1143	613825	5924000
SR1099	613551	5924351	SR1144	613850	5924000
SR1100	613575	5924350	SR1145	612350	5923950
SR1101	613600	5924350	SR1146	612351	5923951
SR1102	613601	5924351	SR1147	612375	5923950
SR1103	612950	5924000	SR1148	612400	5923950
SR1104	612975	5924000	SR1149	612425	5923950
SR1105	613000	5924000	SR1150	612450	5923950
SR1106	613025	5924000	SR1151	612475	5923950
SR1107	613050	5924000	SR1152	612500	5923950
SR1108	613075	5924000	SR1153	612525	5923950
SR1109	613100	5924000	SR1154	612550	5923950
SR1110	613125	5924000	SR1155	612575	5923950
SR1111	613126	5924001	SR1156	612600	5923950
SR1112	613150	5924000	SR1157	612625	5923950
SR1113	613151	5924001	SR1158	612650	5923950
SR1114	613175	5924000	SR1159	612675	5923950
SR1115	613225	5924000	SR1160	612700	5923950
SR1116	613250	5924000	SR1161	612701	5923951
SR1117	613251	5924001	SR1162	612725	5923950
SR1118	613275	5924000	SR1163	612726	5923951
SR1119	613300	5924000	SR1164	612750	5923950
SR1120	613325	5924000	SR1165	612775	5923950
SR1121	613350	5924000	SR1166	612800	5923950
SR1122	613375	5924000	SR1167	612825	5923950
SR1123	613400	5924000	SR1168	612826	5923951
SR1124	613425	5924000	SR1169	612850	5923950
SR1125	613450	5924000	SR1170	612875	5923950

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR1171	612900	5923950	SR1216	612350	5923900
SR1172	612925	5923950	SR1217	612375	5923900
SR1173	612950	5923950	SR1218	612400	5923900
SR1174	612975	5923950	SR1219	612401	5923901
SR1175	613000	5923950	SR1220	612425	5923900
SR1176	613025	5923950	SR1221	612426	5923901
SR1177	613050	5923950	SR1222	612450	5923900
SR1178	613075	5923950	SR1223	612475	5923900
SR1179	613100	5923950	SR1224	612500	5923900
SR1180	613125	5923950	SR1225	612525	5923900
SR1181	613126	5923951	SR1226	612550	5923900
SR1182	613150	5923950	SR1227	612575	5923900
SR1183	613151	5923951	SR1228	612600	5923900
SR1184	613175	5923950	SR1229	612625	5923900
SR1185	613200	5923950	SR1230	612650	5923900
SR1186	613225	5923950	SR1231	612651	5923901
SR1187	613250	5923950	SR1232	612675	5923900
SR1188	613251	5923951	SR1233	612700	5923900
SR1189	613275	5923950	SR1234	612725	5923900
SR1190	613300	5923950	SR1235	612750	5923900
SR1191	613325	5923950	SR1236	612775	5923900
SR1192	613350	5923950	SR1237	612776	5923901
SR1193	613375	5923950	SR1238	612800	5923900
SR1194	613400	5923950	SR1239	612801	5923901
SR1195	613425	5923950	SR1240	612825	5923900
SR1196	613450	5923950	SR1241	612875	5923900
SR1197	613475	5923950	SR1242	612900	5923900
SR1198	613500	5923950	SR1243	612925	5923900
SR1199	613501	5923951	SR1244	612950	5923900
SR1200	613525	5923950	SR1245	612975	5923900
SR1201	613526	5923951	SR1246	612976	5923901
SR1202	613550	5923950	SR1247	613000	5923900
SR1203	613551	5923951	SR1248	613025	5923900
SR1204	613575	5923950	SR1249	613050	5923900
SR1205	613600	5923950	SR1250	613075	5923900
SR1206	613625	5923950	SR1251	613100	5923900
SR1207	613650	5923950	SR1252	613125	5923900
SR1208	613675	5923950	SR1253	613150	5923900
SR1209	613700	5923950	SR1254	613175	5923900
SR1210	613725	5923950	SR1255	613176	5923901
SR1211	613750	5923950	SR1256	613200	5923900
SR1212	613775	5923950	SR1257	613225	5923900
SR1213	613800	5923950	SR1258	613250	5923900
SR1214	613825	5923950	SR1259	613275	5923900
SR1215	613850	5923950	SR1260	613276	5923901

Appendix 2 - South Rim Soil Locations 2010

Sample_ID	East_NAD83_Z9	North_NAD83_Z9
SR1261	613300	5923900
SR1262	613325	5923900
SR1263	613375	5923900
SR1264	613400	5923900
SR1265	613401	5923901
SR1266	613425	5923900
SR1267	613450	5923900
SR1268	613475	5923900
SR1269	613500	5923900
SR1270	613525	5923900
SR1271	613550	5923900
SR1272	613575	5923900
SR1273	613600	5923900
SR1274	613625	5923900
SR1275	613650	5923900
SR1276	613675	5923900
SR1277	613700	5923900
SR1278	613725	5923900
SR1279	613750	5923900
SR1280	613751	5923901
SR1281	613775	5923900
SR1282	613800	5923900
SR1283	613825	5923900
SR1284	613826	5923901
SR1285	613850	5923900

APPENDIX 3

-ROCK DESCRIPTION & LOCATIONS-

Appendix 3 - Rock Descriptions & Locations 2010 -

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	GPS_Elev	Rock_Type	Sample_Type	Width_cm	Strike	Dip
SR-20100901	613278	5923487	1407	Quartz Vein; Breccia	Chip Channel	25	184	70
SR-20100902	613277	5923488	1409	Host of sample 1: crystal tuff	Chip			
SR-20100903	613276	5923494	1410	Silicified crystal tuff	Chip			
SR-20100904	613273	5923474	1415	Quartz Vein	Chip Channel	10		
SR-20100905	613202	5923467	1435	Shear Zone: Silicified, drusy quartz	Chip	40	316	90
SR-20100906	613180	5923490	1446	Shear Zone: Silicified	Chip Channel	5		
SR-20100907	613173	5923469	1452	Shear Zone: Silicified	Chip Channel	5	184	80
SR-20100908	613176	5923425	1466	Quartz Vein	Chip Channel	5	182	85
SR-20100909	613175	5923420	1468	Quartz Vein	Chip Channel	6	182	85
SR-20100910	613174	5923407	1472	Quartz Vein	Chip Channel	7	180	88
SR-20100911	613171	5923382	1486	Shear Zone: Silicified	Chip Channel	7	187	90
SR-20100912	613034	5923409	1508	Silicified Float	Float			
				Shear Zone: Silicified, Brecciated,				
SR-20100913	613018	5923365	1530	Massive quartz	Chip Channel	80	190	90
SR-20100914	613024	5923361	1536	Shear Zone: Silicified	Chip Channel	12	158	80
SR-20100915	613003	5923292	1570	Shear Zone: Silicified	Chip Channel	25	190	80
SR-20100916	612999	5923291	1571	Breccia	Chip Channel	100		
SR-20100917	612995	5923280	1586	Shear Zone	Chip Channel	50		
SR-20100918	612996	5923278	1587	Shear Zone	Chip Channel	50		
SR-20100919	612998	5923275	1588	Shear Zone	Chip Channel	50		
SR-20100920	612988	5923247	1601	Shear Zone	Chip Channel	300		
SR-20100921	613188	5923155	1610	Shear Zone	Chip Channel	30	150	
SR-20100922	613186	5923160	1610	Shear Zone	Chip Channel	13		
SR-20100923	613191	5923187	1605	Shear Zone	Chip Channel	10		
SR-20100924	613176	5923025	1650	Shear Zone	Chip Channel	45		
SR-20100925	611146	5923514	1458	Calcite Breccia	Chip	100		
SR-20100926	611105	5923495	1477	Shear Zone	Chip Channel	100	150	
SR-20100927	610501	5923332	1499	Shear Zone				
SR-20100928	609220	5923346	1487	Float				
SR-20100929	609247	5923349	1488	Float				
SR-20100930	609313	5923352	1480	Float				

Appendix 3 - Rock Descriptions & Locations 2010 -

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	GPS_Elev	Rock_Type	Sample_Type	Width_cm	Strike	Dip
SR-20100931	608632	5923198	1567	Shear Zone	Chip Channel	17		
SR-20100932	613339	5923361	1445	Shear Zone	Chip Channel	6	220	80
SR-20100933	613360	5923324	1459	Shear Zone	Chip Channel	35	315	
SR-20100934	613429	5923226	1485	Shear Zone	Chip Channel	100	150	80
SR-20100935	613432	5923145	1526	Shear Zone	Chip Channel	250		
SR-20100936	613438	5923112	1541	Shear Zone	Chip Channel	250		
SR-20100937	613441	5923083	1553	Shear Zone	Chip Channel	150		
SR-20100938	613444	5923029	1580	Shear Zone	Chip Channel	150		
SR-20100939	613440	5922905	1658	Shear Zone	Chip Channel	9	180	85
SR-20100940	613530	5922753	1696	Shear Zone	Chip Channel	100		
SR-20100941	613524	5922666	1735	Shear Zone	Chip Channel	80	110	70
SR-20100942	613582	5922699	1712	Shear Zone	Chip Channel	45	135	70
SR-20100943	613564	5922786	1687	Shear Zone	Chip Channel	150	135	
SR-20100944	613145	5923512	1444	Shear Zone	Chip Channel		140	
Enechelon Veins: 14 veins average								
SR-20100945	613751	5922979	1590	3cm wide; ~10%	Chip	400	260	20
SR-20100946	613557	5922893	1660	Shear Zone	Chip Channel	70	173	
SR-20100947	613554	5922878	1668	Shear Zone	Chip Channel	80		
SR-20100948	613677	5922802	1671	Shear Zone	Chip Channel	7	95	60
SR-20100949	613928	5922679	1629	Shear Zone	Chip Channel	50	143	85
SR-20100950	613944	5922584	1674	Shear Zone	Chip Channel	6	180	75
SR-20100951	613961	5922489	1686	Shear Zone	Chip Channel	70	164	50
SR-20100952	613999	5922340	1714	Shear Zone	Chip Channel	70	164	50
SR-20100953	613514	5923028	1593	Shear Zone	Chip Channel	130		
SR-20100954	613229	5924734	1224	Shear Zone	Chip Channel	50		
SR-20100955	613189	5924705	1236	Shear Zone	Chip Channel	30		
SR-20100956	613179	5924690	1239	Shear Zone	Chip Channel	8	220	70
SR-20100957	613177	5924684	1240	Shear Zone	Chip Channel	6	180	
SR-20100958	613165	5924674	1242	Shear Zone	Chip Channel	250		
SR-20100959	613145	5924657	1246	Shear Zone	Chip Channel	15		
SR-20100960	613137	5924642	1247	Shear Zone	Chip Channel			
SR-20100961	612851	5924315	1282	Shear Zone	Chip Channel	15	30	70

Appendix 3 - Rock Descriptions & Locations 2010 -

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	GPS_Elev	Rock_Type	Sample_Type	Width_cm	Strike	Dip
SR-20100962	613102	5923692	1380	Shear Zone	Chip Channel	10	200	80
SR-20100963	613028	5923608	1428	Shear Zone	Chip Channel		135	
SR-20100964	611597	5922597	1595	Andesite Dyke	Chip Channel	85	135	
SR-20100965	611368	5922635	1643	Basalt: Gossan	Chip	35	197	
SR-20100966	611488	5922343	1613		Chip			
SR-20100967	612769	5923070	1607	Shear Zone: Malachite	Chip Channel			
SR-20100968	612068	5923844	1313	Shear Zone	Chip Channel	250		
SR-20100969	612073	5923861	1310	Shear Zone	Chip Channel	150		
SR-20100970	612078	5923884	1309	Shear Zone	Chip Channel			
SR-20100971	612097	5923914	1306	Shear Zone	Chip Channel			
SR-20100972	612090	5923923	1303	Shear Zone	Chip Channel			
SR-20100973	613278	5922591	1849	Shear Zone	Chip Channel	50	90	
SR-20100974	613491	5922235	1890	Shear Zone	Chip Channel	2	185	
Ms09	613205	5924783	1282	Shear Zone	Chip Channel	100	200	
Ms10	613171	5924683	1282	Shear Zone	Chip Channel	200		
Ms11	613153	5924666	1282	Shear Zone	Chip Channel	200		
Ms12	613114	5924622	1282	Quartz Vein	Chip Channel	50		
Ms13	613113	5923714		Quartz Vein	Chip Channel	15		
Ms14	613017	5923616		Quartz Vein	Chip Channel	10		
Ms15	611338	5922676		Quartz Vein	Chip Channel	25	200	

APPENDIX 4
-HISTORICAL COMPILATION-

Appendix 4 - Rock Sample Location and Geochem Compilation ARIS 17962, 1988

Sample_ID	East_NAD83Z9	North_NAD83Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Au_ppb	Ag_ppm	As_ppm
88001	613505	5925173	1	22	8	34	10	0.1	
88002	613509	5925164	1	36	19	75	12	0.1	
88003	613519	5925161	1	34	6	90	1	0.3	
88004	611650	5925030	1	7	4	64	1	0.1	
88005	611570	5925069	3	38	11	60	3	0.1	
88006	611459	5925336	1	35	10	119	3	0.1	
88007	614120	5925467	1	18	9	55	2	0.1	
88008	614543	5925629	1	22	60	1663	1	0.1	
88009	612131	5925887	9	6	4	24	22	0.2	
88010	612139	5925887	16	4	8	39	9	0.2	
DAS 546	612596	5925317	1	17	10	83	1	0.3	5.3
DAS 547	612777	5925422	1	6	3	19	3	0.1	0.8
DAS 548	612793	5925401	1	5	2	17	1	0.1	2.2
DAS 549	612713	5925587	1	24	5	15	1	0.6	45.8
DAS 550	612833	5925915	1	6	8	71	12	0.1	7.9
DAS 551	612841	5925913	1	17	14	61	18	0.2	52.7
DAS 552	613033	5926444	1	20	5	94	9	0.1	9
DAS 553	613038	5926444	1	9	5	77	1	0.1	5.4
DAS 554	613042	5926444	1	11	8	97	1	0.1	20.5
DAS 555	613041	5926440	1	9	5	78	1	0.1	36.4
DAS 556	615580	5926202	1	7	10	11	2	0.1	0.7
DAS 557	615661	5926030	1	65	14	90	1	0.1	5.2
DAS 558	615275	5925271	4	61	41	313	20	1.2	76.9
DAS 559	615272	5925275	18	11	53	103	14	1	100
DAS 560	615277	5925265	16	37	43	112	16	0.3	45.8
DAS 561	615301	5925348	9	16	11	89	1	0.2	4.5
DAS 562	615288	5925273	117	6	54	43	39	1.3	141.9
DAS 563	615143	5925090	2	8	18	53	4	0.1	2.3
DAS 564	611613	5925057	9	11	9	62	1	0.3	8.4
DAS 565	611616	5925057	4	8	11	105	1	0.1	10.2
DAS 566	611620	5925056	45	11	24	114	1	0.1	7.6
DAS 567	611487	5925091	1	11	829	2317	2	0.1	6.6
DAS 568	611337	5925192	2	6	98	2714	1	0.3	82.3
DAS 569	611311	5925208	2	31	2056	15648	1	2.8	19.2
DAS 570	611177	5925593	1	5	11	90	6	0.2	16.2
DO 01	615674	5926015	1	19	18	128	1	0.2	18.4
DO 02	615269	5925681	1	164	12	132	1	0.1	1.6
DO 03	614886	5926102	1	42	12	84	1	0.1	3.5
DO 04	614879	5926032	2	43	7	40	4	0.3	1.8
DO 05	614869	5926013	1	4	11	24	2	0.4	1.4
DO 06	614889	5925948	1	39	12	54	2	0.4	520.2
DO 07	614895	5925922	1	9	6	45	2	0.1	11.2
DO 08	613061	5924658	4	13	34	112	1	0.1	
DO 09	613050	5924643	61	6	17	111	29	0.4	
DO 10	613035	5924628	92	22	4	69	168	0.2	
DO 11	613022	5924612	10	10	11	55	158	0.3	
DO 12	613011	5924598	8	23	8	111	26	0.1	
DO 13	612999	5924584	1	14	12	72	5	0.1	
DO 14	612985	5924568	2	23	9	66	47	0.1	
DO 15	612973	5924552	39	18	8	44	40	0.4	
DO 16	612961	5924537	2	29	14	42	13	0.1	
DO 17	612949	5924522	16	9	8	33	162	0.7	
DO 18	612935	5924508	7	13	7	38	230	0.2	

Appendix 4 - Rock Sample Location and Geochem Compilation ARIS 17962, 1988

Sample_ID	East_NAD83Z9	North_NAD83Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Au_ppb	Ag_ppm	As_ppm
DO 19	612923	5924493	1	24	9	41	124	0.1	
DO 20	612910	5924477	22	21	10	55	405	0.6	
DO 21	612899	5924462	17	7	4	26	115	0.6	
DO 22	612887	5924449	2	9	2	19	380	0.3	
DO 23	612873	5924433	127	16	11	35	1720	2.6	
DO 24	612861	5924418	2	6	4	48	100	0.1	
DO 25	612846	5924403	113	12	8	15	126	1.3	
ES 1	613033	5926436	1	50	43	82	51	0.9	22.3
ES 2	612985	5926430	1	16	14	117	1	0.2	83.3
ES 3	612756	5925973	4	9	22	99	86	0.2	14.8
JR 01	615546	5926273	1	68	46	46	1	0.1	8
JR 02	615682	5925949	1	97	43	43	1	0.1	76.2
JR 03	614892	5926126	3	97	60	60	23	0.4	11.2
JR 04	614881	5926069	1	13	60	40	5	0.1	4.8
JR 05	614879	5926051	2	1	2	2	19	0.2	0.2
JR 06	612129	5926071	7	6	9	25	3	0.1	
JR 07	611845	5925764	15	9	2	17	2	0.3	
JR 08	611845	5925779	1	55	3769	4166	3	2.2	
ZR 301	613663	5925974	2	11	22	187	2	0.3	2.7
ZR 302	613668	5925955	3	19	14	76	1	1	3.5
ZR 303	613888	5925936	1	13	14	105	1	0.1	2
ZR 304	613883	5925918	1	8	11	119	1	0.1	5.9
ZR 305	613267	5924624	8	16	12	34	5	0.3	7.4
ZR 306	613261	5924623	21	15	24	38	3	0.5	7.4
ZR 307	613260	5924619	1	63	21	148	1	0.1	9.5
ZR 308	613264	5924617	10	22	21	53	6	0.2	8.9
ZR 309	613268	5924617	1	34	9	42	2	0.5	7
ZR 310	613268	5924619	2	30	13	50	1	0.4	6.9
ZR 311	613163	5924478	56	12	4	20	213	0.2	23.2
ZR 312	613167	5924476	1	16	11	51	1	0.3	7.8
ZR 313	613166	5924479	304	16	15	43	1053	2.5	33.5
ZR 314	613910	5926018	1	8	11	99	1	0.1	0.8
ZR 315	613876	5925855	1	24	6	25	1	0.2	3.7
ZR 316	613848	5925763	17	34	24	68	6	1.7	2.7
ZR 317	613857	5925763	18	53	35	29	17	1.2	1.62
ZR 318	613858	5925756	2	46	30	119	1	0.5	2.7
ZR 319	613849	5925755	42	14	45	13	8	4.1	2.9
ZR 320	613842	5925755	14	23	27	16	22	2.4	1.2
ZR 321	613822	5925698	103	4	29	15	10	5.5	3.8
ZR 322	613831	5925695	135	2	43	32	31	3.7	3.5
ZR 323	613827	5925688	8	4	40	46	490	47.2	5.6
ZR 324	612477	5925158	4	24	25	104	7	1.5	38
ZR 325	612484	5925156	21	12	18	63	8	1.4	160.7
ZR 326	612487	5925190	3	96	16	98	4	3.6	107.7
ZR 327	612499	5925213	6	16	27	69	18	3.9	131.5
ZR 328	612507	5925210	6	76	26	119	8	2.5	29.6
ZR 329	612496	5925187	1	3	15	103	2	0.1	21.2
ZR 330	612434	5925758	1	15	10	99	1	0.1	3.8
ZR 331	612762	5925851	1	19	13	73	108	0.1	16.2
ZR 332	614379	5926096	1	25	60	526	1	0.1	1.8
ZR 333	614369	5926137	1	11	46	476	1	0.1	1.5
ZR 334	614298	5925625	1	30	41	502	1	0.2	1.5
ZR 335	611838	5925748	168	4	17	30	23	0.9	9.2

Appendix 4 - Rock Sample Location and Geochem Compilation ARIS 17962, 1988

Sample_ID	East_NAD83Z9	North_NAD83Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Au_ppb	Ag_ppm	As_ppm
ZR 336	611845	5925745	43	4	12	81	3	0.4	6.6
ZR 337	611848	5925740	8	3	3	30	1	0.1	2.3
ZR 338	611840	5925735	24	2	8	21	5	0.3	3.8

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 16677, 1987

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	Hg_ppb
BH 108	612062	5924306	9	22	6	34	0.7	24	360
BH 109	612105	5924292	1	23	6	34	0.3	1	650
BH 110	611801	5924252	2	83	3	17	0.1	1	10
BH 111	611778	5924276	1	3	2	7	0.1	1	5
BH 112	611707	5924337	1	169	19	178	0.2	1	280
BH 113	611662	5924385	20	117	5	57	0.1	8	20
BH 114	611602	5924439	11	32	4	80	0.1	3	1500
BH 115	611441	5924481	1	11	2	39	0.1	1	20
BH 116	611442	5924463	5	15	63	332	0.4	1	90
BH 117	611460	5924552	11	12	2	10	0.1	1	10
BH 118	611423	5924615	21	15	7	8	0.2	2	30
BH 119	611421	5924622	21	3	2	1	0.1	5	5
BH 120	612525	5925210	9	15	24	136	2.4	15	10
BH 121	612544	5925261	6	9	12	156	0.8	5	20
BH 122	612569	5925269	8	9	16	196	0.3	3	10
BH 124	613527	5925154	1	10	4	20	0.1	31	10
BH 128	612090	5923796	1	76	241	64	1.7	1765	120
BH 129	612085	5923786	2	33	6	41	0.3	1010	160
BH 130	612091	5923736	1	91	6	50	0.1	310	1200
BH 132	612189	5923427	2	6	14	168	0.2	1	20
BH 133	613412	5922023	27	16	107	34	0.4	3	10
BH 134	613434	5922114	22	12	3	20	0.2	132	210
BH 135	613460	5922162	3	34	2	82	0.2	32	480
BH 136	613434	5922092	39	15	493	79	4.4	8	30
BH 137	614274	5925567	3	19	84	1809	0.2	2	10
BH 138	614118	5925561	2	110	109	926	0.2	1	20
TRW 001	613056	5924415	1	8	9	25	0.1	1	60
TRW 002	613259	5924461	2	27	15	102	0.1	1	10
TRW 003	613851	5924774	7	26	9	99	0.1	1	5
TRW 501	613915	5923798	1	6	5	80	0.1	1	5
TRW 502	614159	5923792	2	5	5	45	0.1	4	5
TRW 503	614226	5923783	1	29	2	112	0.1	1	5

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 16677, 1987

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	Hg_ppb
TRW 504	614270	5923766	1	7	4	37	0.1	1	5
TRW 505	614263	5923818	1	14	6	26	0.1	1	5
TRW 506	614272	5923827	1	7	2	6	0.1	1	5
TRW 507	614288	5923833	1	9	2	144	0.1	1	5
TRW 508	614205	5923677	1	19	4	105	0.1	1	5
TRW 509	614054	5923593	1	3	2	18	0.1	1	40
TRW 510	614038	5923623	1	42	6	73	0.1	1	5
TRW 511	613915	5923680	1	62	4	59	0.2	1	5
TRW 512	613708	5923563	1	11	2	92	0.1	3	5
TRW 513	613060	5923813	1	21	5	91	0.1	1	5
TRW 514	612124	5923880	2	50	11	70	0.4	20	30
TRW 515	612089	5923803	4	6	36	176	0.3	23	260
TRW 516	611847	5923826	1	23	6	96	0.1	1	5
TRW 517	612196	5923408	2	19	30	150	0.4	1	10
TRW 518	612201	5923395	1	23	149	146	1.2	1	5
TRW 519	612206	5923379	20	13	1146	607	17.8	8	5
TRW 520	612211	5923363	24	40	787	994	6.5	1	5
TRW 521	612467	5923465	41	4	17	18	0.7	33	20
TRW 522	614141	5923475	1	3	5	42	0.2	1	5
TRW 523	614091	5923964	1	13	3	16	0.1	1	5
TRW 524	613915	5924258	1	10	2	106	0.1	1	5
TRW 525	613618	5924340	1	17	3	65	0.6	2	5
TRW 526	612937	5924249	2	138	33	116	1.2	5	5
TRW 527	611988	5924125	1	12	8	41	0.1	8	5
TRW 528	611919	5924389	10	21	9	150	0.1	1	10
TRW 529	611917	5924407	8	16	9	63	0.1	1	5
TRW 530	613119	5924417	30	7	6	50	0.7	6	40
TRW 531	613146	5924564	39	6	9	2	2.2	540	70
TRW 532	613161	5924580	1	38	4	37	0.1	54	10
TRW 533	613169	5924588	77	20	5	29	1.8	1075	50
TRW 534	613182	5924602	1	17	6	26	0.3	24	5
TRW 535	613192	5924607	4	41	9	49	0.1	1050	5

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 16677, 1987

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	Hg_ppb
TRW 536	613228	5924656	13	15	7	22	1.2	580	20
TRW 537	613240	5924673	118	20	4	12	1.5	41	100
TRW 538	613270	5924676	2	10	11	100	0.1	1	5
TRW 539	613657	5925014	6	18	9	52	1.4	78	5
TRW 540	612304	5923142	2	3	31	25	0.3	1	5
TRW 541	613971	5925720	172	5	36	26	2.7	6	5
TRW 542	613978	5925759	19	3	51	50	30.3	385	10

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 14531, 1985

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm	Mo_ppm
BH 122	613351	5923238			
BH 123	613396	5923203	10		
BH 124	613502	5923133	30	4.4	115
BH 125	613585	5923019	230	1.8	15
BH 126	613576	5922977	10		
BH 127	613596	5922943			
BH 128	613561	5923004	30	2.7	177
BH 129	612715	5923684			2
BH 130	612787	5923657	240	2.5	25
BH 131	612794	5923651	290	1.2	103
BH 132	612800	5923642	210	1.7	21
BH 133	612772	5923622	240	2.2	36
BH 134	612804	5923633	110	1.5	37
BH 135	612857	5923621			18
BH 136	612809	5923613	430	2.4	17
BH 137	612813	5923574	10	0.1	6
BH 138	612900	5923472	1625	25.6	26
BH 139	612832	5923519	30		1
BH 140	612850	5923502	40		6
BH 141	612759	5923668	60		6
BH 142	612744	5923683			
BH 143	612736	5923655	110		2
BH 144	612992	5923645	290		493
BH 145	613005	5923630	90	1.1	22
BH 146	613034	5923589		1.5	10
BH 147	613044	5923571	70		27
BH 148	613040	5923538	110	3.2	10
BH 149	613057	5923498	290		195
BH 150	613056	5923471	350		37
BH 151	613061	5923452	330		2356
BH 152	613064	5923442	350		45
BH 153	613078	5923415	370	1.1	126
BH 154	613090	5923393	250		5
BH 155	613096	5923383	150	2.1	109
BH 156	613072	5923496	10		4
BH 157	613090	5923472	28	2.2	3
BH 158	613099	5923452	140	3.2	
BH 159	613125	5923462	330		
BH 160	613120	5923492	10		
BH 161	613140	5923434	870	3.1	
BH 162	613144	5923433	30	1.2	16
BH 163	613151	5923418	230	1.7	4
BH 164	613156	5923417	90		
BH 165	613175	5923450			
BH 166	613220	5923241	50		

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 14531, 1985

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm	Mo_ppm
BH 166	613157	5923470		2.5	
BH 167	613236	5923219	250	2.7	
BH 168	613252	5923204	70	2.2	
BH 169	613881	5923049	50	3.7	532
BH 170	613896	5922988			8
BH 171	613915	5922962	24000	9.8	12
BH 172	613942	5922978	20		2
BH 173	613987	5922934	10		4
BH 174	613922	5922982	340		
BH 175	613927	5922998			
BH 176	613949	5922956			
BH 177	613956	5922965		28.2	
BH 177	613962	5922965			
BH 178	612776	5923670	730	7.4	
BH 179	612805	5923622	10		
BH 180	612821	5923583	390	1.1	
BH 181	613899	5922527			
BH 182	612844	5923521			
BH 183	613899	5922516			
BH 184	614062	5922364	20	1.2	
BH 186	614123	5922339			
BH 187	614118	5922299			
BH 188	614049	5922338			
BH 189	614119	5922369	530	3.9	
BH 190	614070	5922387	770	1	
BH 191	614076	5922388	430		
BH 192	613130	5923448		0.1	
BH 203	614081	5922377	510	6.4	
BH 204	614080	5922363	4100	5.5	
TR 171	613548	5922967			
TR 172	613567	5922957			13
TR 173	613547	5922982	20		13
TR 174	613544	5922997	20		24
TR 175	613544	5923013			29
TR 176	612697	5923726			2
TR 177	612771	5923680			132
TR 181	612825	5923566			22
TR 183	612912	5923693			9
TR 184	613066	5923508	40		19
TR 185	613056	5923486	40		21
TR 186	613064	5923461	10		283
TR 187	613056	5923460			1020
TR 188	613076	5923401			
TR 189	613104	5923369			1540
TR 192	613201	5923395		2.5	

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 14531, 1985

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm	Mo_ppm
TR 193	613213	5923379	10		
TR 194	613222	5923391	10		
TR 195	613218	5923416	70	3.1	
TR 196	613231	5923362			
TR 197	613254	5923332	10		
TR 198	613261	5923313	140		
TR 199	613294	5923283	150		42
TR 200	613220	5923512	20		
TR 201	613266	5923477	10		
TR 202	613303	5923443		4.5	108
TR 203	613353	5923395	60	3.4	122
TR 204	613369	5923375	50		38
TR 205	613358	5923391	80	2.2	193
TR 206	613337	5923456	30	2.5	99
TR 207	613329	5923435	90	2.2	48
TR 208	613349	5923403	20		
TR 209	613312	5923352	10		
TR 210	613321	5923307	30		
TR 211	613381	5923219			
TR 212	613423	5923178	10	1.7	
TR 213	613508	5923098			
TR 214	613551	5922945	30	1.5	95
TR 215	613558	5922927	40		26
TR 216	613489	5922935	70	12.6	473
TR 217	613495	5922904	30	1.8	71
TR 218	613554	5923162	10		4
TR 219	612933	5923376	10	1.3	8
TR 220	612850	5923332			16

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 13070, 1984

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm
41	609274	5925324		
43	610161	5926030	18	0.3
44	610525	5926164		0.2
61	610951	5925998	15	
62	610950	5925937		
64	610323	5924755		
66	610469	5924684		42.8
67	610584	5924481		
88	611008	5925935	15	0.4
89	611025	5925890		0.5
92	611388	5925534		
93	611420	5925532		0.2
94	611453	5925529		0.2
95	611522	5925447		0.7
96	611132	5925589		2.7
97	611155	5925564		3.4
98	611124	5925676		0.2
99	611083	5925759		0.3
100	611310	5925136	10	0.2
101	611312	5925075	20	0.1
102	611369	5924990		1.2
103	611353	5924967		0.2
104	611365	5924887		1.2
172	609904	5926537		0.2
173	609818	5926329		0.3
174	609091	5925857		0.5
212	611093	5923938	65	0.5

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 12802, 1984

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm
38	615282	5925712	45	0.4
39	615263	5925851	50	
40	615278	5925850		0.6
48	612093	5926000	10	0.8
49	612097	5925980		0.1
50	612105	5925957	15	1.6
51	612109	5925940	10	0.5
52	612113	5925928	275	1
53	612114	5925919	5	0.2
54	612116	5925910		0.2
55	612120	5925897		0.4
58	612067	5926133	15	0.2
61	612021	5924664	10	1.6
62	613261	5924648	10	1.1
63	613645	5924896	90	1.6
63	613233	5924763		
64	615075	5925030	50	1.1
70A	613195	5924828	20	5.2
70B	613195	5924820	35	10.9
71	613174	5924850	5	2.2
72	613179	5924880		
73	613172	5924902		
74	613154	5924927	10	0.8
75	613158	5924959	5	1
76	613112	5925065		
77x	612980	5925490	120	4
77	612966	5925349	300	29.2
78	613197	5925267		7.4
79	613253	5925237	285	31.1
88	615288	5925278		
89	615307	5925342		
90	615304	5925439	60	1.4
90	612192	5925688		
91	612168	5925641		
166	612816	5926081	130	0.4
169	612827	5925810	90	0.5
170	612795	5925755	10	1.2
BH 189	614876	5925836		0.7
BH 190	615094	5925922	30	5.9
BH 192	614993	5926042		0.3
BH 193	614974	5926105	25	0.4

Appendix 4 - Rock Sample Location and Geochem Compilation: ARIS 12666, 1984

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Au_ppb	Ag_ppm
1	613995	5922421	1580	6.6
2	613815	5921861	70	0
3	613653	5921876	120	9.9
4	613526	5923015	240	0
5	613540	5922978	440	0
6	612776	5923803	200	0
7	612786	5923768	310	0
8	612798	5923742	640	0
9	612811	5923712	405	0
10	613877	5923143	70	25
11	613489	5923170	230	18
12	613301	5923436	0	0
13	613312	5923425	70	0
14	613312	5923425	120	0
15	612122	5923836	440	0
16	612007	5924512	110	0
17	613249	5924599	240	0
18	613254	5924584	60	0

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 17962, 1988

Sample_ID	East_NAD83_Z9	North_NAD83_Z9
TRW 101	611614	5925008
TRW 125	611781	5925187
TRW 150	611937	5925292
TRW 201	613551	5925353
TRW 230	613861	5925405
TRW 260	614133	5925451

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 16677, 1984

Line	Station	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	As_ppm
63	0	613459	5925946	1	5	2	13	0.1	8	2
63	50	613512	5925946	2	11	11	34	0.1	3	9
63	100	613562	5925946	7	16	19	63	0.5	1	76
63	150	613613	5925947	1	12	5	30	0.2	1	6
63	200	613664	5925946	1	10	12	19	0.1	1	6
63	250	613711	5925947	2	8	10	16	0.1	1	5
63	300	613761	5925947	1	6	5	28	0.2	2	5
63	350	613815	5925947	2	24	5	31	0.2	1	9
63	400	613863	5925947	2	9	10	27	0.1	1	9
63	450	613912	5925946	1	20	5	14	0.6	1	2
63	500	613967	5925946	1	26	12	34	0.3	1	8
63	550	614015	5925946	1	10	9	30	0.3	7	6
63	600	614065	5925949	2	9	3	19	0.2	1	9
63	650	614116	5925946	2	15	4	44	0.2	1	12
63	700	614167	5925948	2	18	5	43	0.4	1	11
63	750	614217	5925947	2	20	11	47	0.1	1	10
63	800	614264	5925949	2	17	9	56	0.1	1	13
63	850	614316	5925947	1	3	2	13	0.1	1	2
63	900	614368	5925946	1	18	12	41	0.2	2	16
63	950	614419	5925946	1	25	6	58	0.1	1	12
63	1000	614467	5925947	8	38	19	148	0.8	2	15
60	0	613460	5925846	2	19	10	56	0.4	2	12
60	100	613565	5925845	1	8	12	25	0.2	1	5
60	150	613613	5925847	1	20	14	46	0.2	1	13
60	200	613664	5925846	2	13	10	31	0.1	1	8
60	250	613715	5925846	2	18	7	49	0.1	3	12
60	300	613764	5925844	2	32	12	83	0.1	2	11
60	350	613814	5925845	1	6	6	21	0.3	1	3
60	400	613859	5925844	1	8	6	25	0.2	1	6
60	450	613917	5925844	3	1	10	23	0.1	1	12
60	500	613964	5925845	2	1	10	45	0.1	1	8
60	550	614012	5925845	8	31	9	100	0.4	1	14

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 16677, 1984

Line	Station	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	As_ppm
60	600	614062	5925845	2	36	5	83	0.3	1	17
60	650	614119	5925847	3	13	4	50	0.3	1	12
60	700	614169	5925847	2	15	13	47	0.3	1	9
60	750	614217	5925847	1	7	4	29	0.1	1	2
60	800	614268	5925847	2	14	14	50	0.4	1	14
60	850	614312	5925847	2	13	10	29	0.6	1	11
60	900	614366	5925847	1	4	8	16	0.4	1	2
60	950	614420	5925847	6	19	11	45	0.4	1	17
60	1000	614466	5925851	2	11	14	27	0.1	1	18
57	0	613458	5925744	2	15	14	43	0.1	1	10
57	50	613512	5925743	1	24	10	47	0.1	1	12
57	100	613567	5925743	1	15	11	23	0.2	1	10
57	150	613615	5925744	2	17	8	59	0.1	86	8
57	200	613661	5925742	2	21	9	28	0.2	10	7
57	250	613711	5925743	1	19	10	54	0.1	1	13
57	300	613764	5925744	1	10	7	29	0.2	1	3
57	350	613816	5925744	1	25	10	57	0.1	1	11
57	400	613863	5925743	1	14	8	27	0.1	1	11
57	450	613915	5925743	3	35	11	90	0.4	1	15
57	500	613966	5925743	2	13	11	24	1.7	1	8
57	550	614015	5925744	2	22	10	59	0.1	3	11
57	600	614067	5925744	1	5	8	22	0.1	1	3
57	650	614116	5925746	2	9	8	35	0.1	1	9
57	700	614165	5925743	1	3	5	8	0.3	1	2
57	750	614217	5925743	2	16	12	40	0.1	1	55
57	800	614269	5925743	2	20	12	42	0.5	5	9
57	850	614316	5925745	3	16	16	34	0.8	2	8
57	900	614370	5925746	6	11	13	33	0.1	1	13
57	950	614414	5925743	4	29	8	45	0.2	1	10
57	1000	614465	5925742	1	6	4	11	0.1	1	4
54	0	613458	5925647	1	8	13	21	0.1	1	7
54	50	613510	5925646	1	8	8	20	0.1	1	4

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 16677, 1984

Line	Station	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	As_ppm
54	100	613563	5925648	1	19	7	42	0.1	1	11
54	150	613613	5925647	3	23	12	67	0.1	1	10
54	200	613664	5925645	1	8	9	21	0.1	3	3
54	250	613712	5925647	2	11	8	37	0.1	1	6
54	300	613761	5925646	1	11	10	25	0.3	1	8
54	350	613816	5925645	2	9	12	31	0.1	1	8
54	400	613862	5925647	2	22	10	78	0.1	1	16
54	450	613911	5925646	5	16	8	28	0.4	1	7
54	500	613964	5925645	19	17	9	36	0.2	1	13
54	550	614013	5925647	1	15	10	38	0.4	1	8
54	600	614062	5925645	1	15	9	62	0.3	1	13
54	650	614116	5925647	1	6	7	23	0.2	1	4
54	700	614167	5925648	2	19	17	45	0.7	1	8
54	750	614217	5925647	1	3	4	9	0.1	1	2
54	800	614264	5925648	1	9	7	22	0.3	1	4
54	850	614315	5925649	2	74	21	120	0.3	1	11
54	900	614365	5925648	1	15	7	42	0.5	1	10
54	950	614416	5925649	1	11	12	42	0.1	275	7
54	1000	614464	5925649	1	9	9	25	0.1	1	6
51	0	613458	5925545	1	16	7	36	0.1	1	8
51	50	613514	5925544	1	15	7	34	0.1	1	8
51	100	613562	5925545	1	7	11	20	0.3	1	5
51	150	613615	5925545	1	12	7	35	0.3	1	4
51	200	613664	5925545	1	17	10	32	0.1	2	11
51	250	613713	5925544	1	10	10	19	0.2	1	5
51	300	613765	5925547	1	20	14	28	0.1	1	9
51	350	613812	5925543	1	34	14	81	0.2	1	24
51	400	613863	5925544	3	26	13	90	0.2	1	14
51	450	613912	5925547	4	37	19	139	0.5	3	24
51	500	613966	5925547	1	12	12	23	0.1	1	9
51	550	614019	5925547	2	22	16	100	0.5	1	8
51	600	614064	5925546	4	33	10	83	0.1	1	12

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 16677, 1984

Line	Station	East_NAD83_Z9	North_NAD83_Z9	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Au_ppb	As_ppm
51	650	614116	5925544	1	10	8	22	0.3	1	5
51	700	614164	5925547	1	9	9	32	0.1	5	4
51	750	614215	5925547	6	158	331	2338	1.7	1	18
51	850	614319	5925547	1	17	8	93	0.1	1	3
51	800	614264	5925545	1	9	4	20	0.1	1	3
51	900	614366	5925546	2	40	37	242	0.1	11	20
51	950	614410	5925547	1	12	17	45	0.1	1	6
51	1000	614464	5925545	1	17	13	40	0.4	1	6
48	0	613457	5925444	1	13	3	44	1	1	8
48	50	613508	5925446	1	10	6	22	0.2	1	8
48	100	613559	5925444	1	9	8	34	0.1	1	7
48	150	613611	5925446	1	16	5	26	0.1	2	6
48	200	613660	5925446	2	18	7	29	0.1	1	5
48	250	613707	5925445	3	43	16	146	0.6	13	36
48	300	613762	5925446	1	13	8	49	0.1	1	7
48	350	613810	5925445	1	13	9	36	0.1	1	11
48	400	613859	5925445	1	21	3	49	0.1	4	11
48	450	613912	5925447	1	13	10	20	0.5	6	7
48	500	613960	5925445	1	17	7	46	0.6	1	8
48	550	614008	5925446	1	13	9	44	0.4	1	7
48	600	614059	5925446	1	24	10	39	0.1	1	7
48	650	614107	5925446	2	31	17	82	0.3	77	19
48	700	614162	5925446	1	24	12	54	0.1	1	10
48	750	614211	5925446	1	18	8	39	0.1	1	9
48	800	614261	5925447	1	24	9	61	0.1	2	6
48	850	614312	5925448	1	22	7	59	0.6	1	8
48	900	614359	5925446	1	20	10	41	0.6	2	11
48	950	614411	5925448	1	9	8	36	0.1	8	8
48	1000	614464	5925450	1	14	13	40	0.3	1	10

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 12666, 1984

Sample_ID	East_NAD83_Z9	North_NAD83_Z9
16	614170	5923831
19	613931	5923836
20	613764	5923842
55	613264	5923819
51	613259	5923662
25	612597	5923896
41	612398	5924106
3	614814	5924336
1	614796	5924482
9	614745	5923885

Appendix 4 - Soil Sample Location and Geochem Compilation: ARIS 7801, 1979

Sample_ID	East_NAD83_Z9	North_NAD83_Z9	Cu_ppm	Mo_ppm
5056	609217	5925841	10	1
5055	609323	5925571	8	2
5054	609277	5925510	10	5
5053	609267	5925333	28	1
5065	609500	5925531	16	2
5064	609574	5925459	6	1
5063	609679	5925378	8	1
5068	609791	5925585	10	5
5067	609739	5925605	16	4
5066	609573	5925695	22	2
5062	609662	5925256	12	1
5061	609657	5925073	10	5
5049	610336	5924945	28	1
5050	610394	5924957	24	2
5048	610208	5924779	24	1
5045	609051	5925012	26	2
5060	609344	5924330	250	8
5046	609714	5924141	34	2
5059	610272	5925767	24	5
5058	610316	5925787	30	3
5051	610777	5926155	12	15
5057	609809	5926165	26	1
5047	610058	5924527	32	1

APPENDIX 5

-Petrographic Report-

Sample: MS2010010 / BX-11

Sample Type: Chlorite-Schist

The sample is a chlorite-schist that is cut by fracture filling veinlets of quartz. The original rock was a lapilli tuff. Lithic fragments can be seen in hand sample and in thin section. In thin section the lithic fragments have been altered to chlorite and muscovite with some quartz. There are trace amounts of pyrite present in the sample. Pyrite is coarser in the quartz veins and brecciated zones and disseminated in the host rock.

Hand sample: Green (Chlorite altered) lapilli tuff. Fracture filled veins. Little or no sulphide oxidation. No visible sulphides.

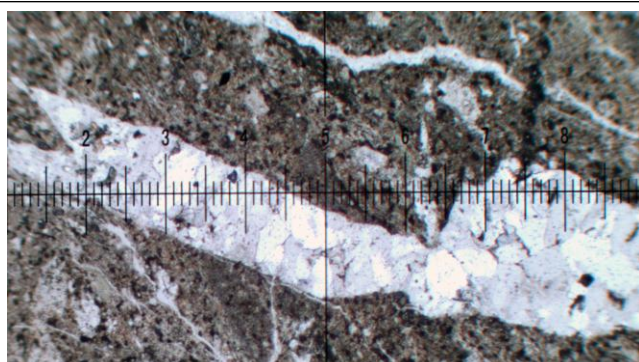
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Biotite	25 to 35 %	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	5-50um
Sulphides:	Pyrite	Trace	8-120um
Oxides:	Hematite	Trace	
	Goethite		



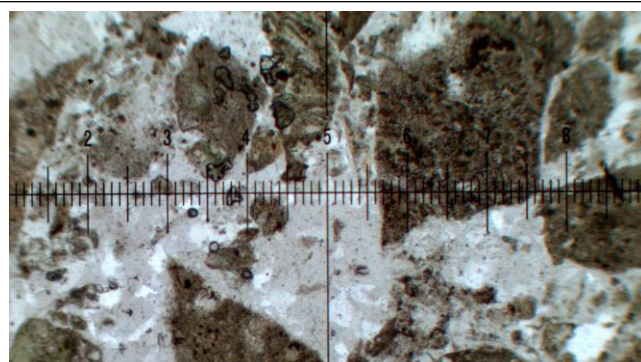
A. Cut face of the green lapilli tuff. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing cross cutting quartz veinlets in a green lapilli tuff. PPL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph showing a brecciated zone of host rock cemented with quartz. PPL. FOV is 0.09 mm x 0.16 mm.

Sample: MS2010011 / BX-12

Sample Type: Quartz Veinlets

The sample has multiple quartz veinlets cutting through the green lapilli host rock. Quartz grains show episodic growth in open space fractures. Pyrite grains are euhedral and show a small amount of oxidation on grain boundaries. They are dominantly found disseminated in the host rock.

Hand sample: Banded fracture filling quartz vein (2 cm) in contact with green lapilli tuff. Lapilli tuff shows pervasive quartz veinlets.

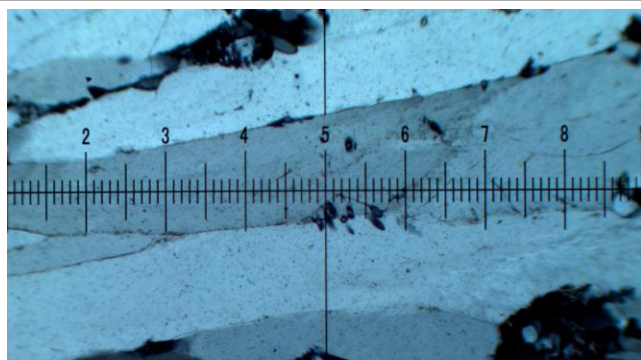
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	4-30um
Oxides:	Hematite	Trace	
	Goethite		



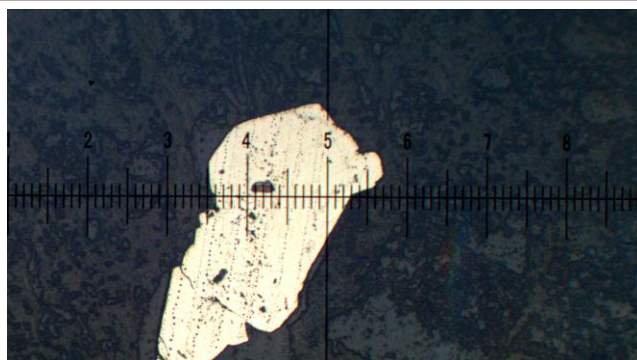
A. Banded fracture filled quartz vein in contact with sheared green lapilli tuff. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing the columnar open space filling quartz crystals. XPL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph showing pyrite grains. FOV is 0.09 mm x 0.16 mm.

Sample: MS2010012 / BX-13

The sample has multiple quartz veinlets cutting through the green lapilli host rock. Quartz grains show episodic growth in open space fractures. Pyrite grains are euhedral and show a small amount of oxidation on grain boundaries. They are dominantly found disseminated in the host rock.

Hand sample: Banded fracture filling quartz vein in contact with green lapilli tuff. Lapilli tuff shows pervasive quartz veinlets.

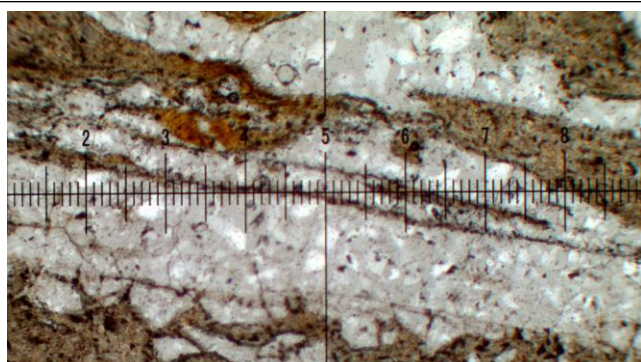
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	4-30um
Oxides:	Hematite	Trace	
	Goethite		



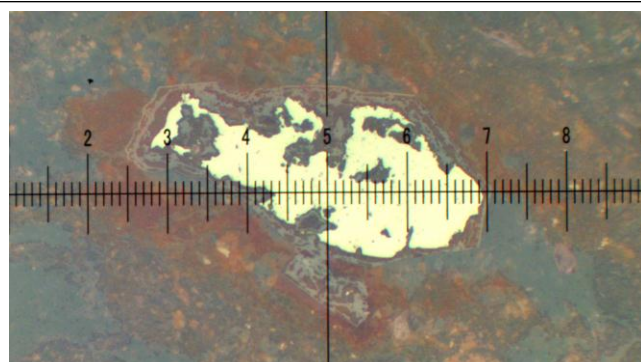
A. Cut face of green lapilli tuff showing fracture filling quartz veinlets. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing the quartz veinlets in a chlorite altered green lapilli tuff. PPL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph showing pyrite oxidation. RL. FOV is 0.036mm x 0.064mm.

Sample: MS2010013 / BX-14

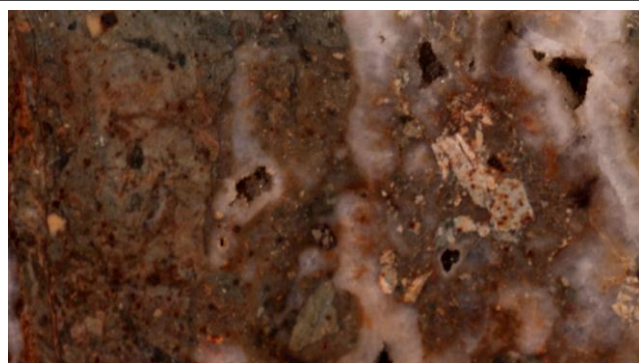
The sample shows silica flooding a chlorite altered lapilli tuff. Breccia and open space textures are common. Pyrite grains are almost completely oxidized to hematite are found mostly in the lapilli tuff. Relic shapes indicate the pyrite was euhedral.

Hand sample: Silicified green lapillit tuff with vuggy quartz.

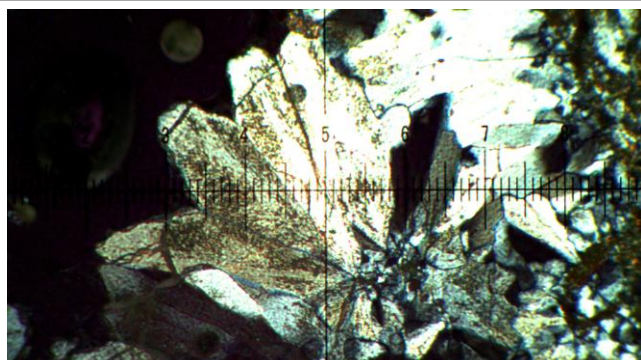
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscivite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	
Oxides:	Hematite	Trace	
	Goethite		



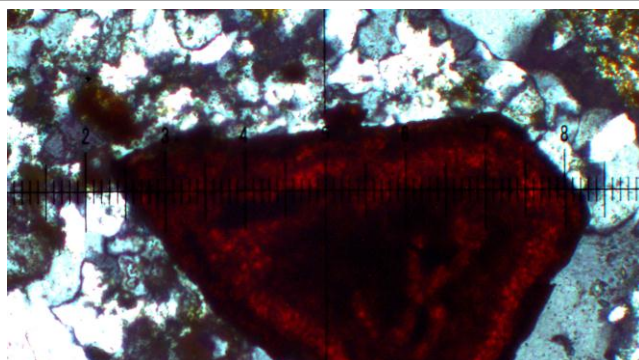
A. Cut face of a green lapilli tuff showing vuggy quartz flooding. Ruler for scale



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing open space filling quartz crystals. PPL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph showing a pyrite grain completely replaced by hematite in a quartz ground mass. XPL. FOV is 0.036mm x 0.064mm.

Sample: SR20100914 / BX-1

The sample shows a silicified braccia that underwent multiple silica flooding events. Pyrite grains show variable states of oxidation, depending on which quartz veins they are associated with.

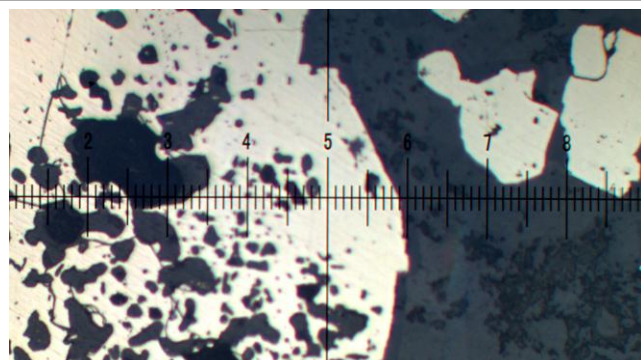
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	15-90um
Oxides:	Hematite	Pervasive	
	Goethite		



A. Brecciated lapilli tuff cemented with quartz. Abundant sulphides in quartz matrix. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph of a relic euhedral pyrite grain completely oxidised to hematite. RL. FOV is 0.036mm x 0.064mm.

D. Photomicrograph of a poikilitic pyrite grain. RL. FOV is 0.036mm x 0.064mm.

Sample: SR20100916 / BX-2

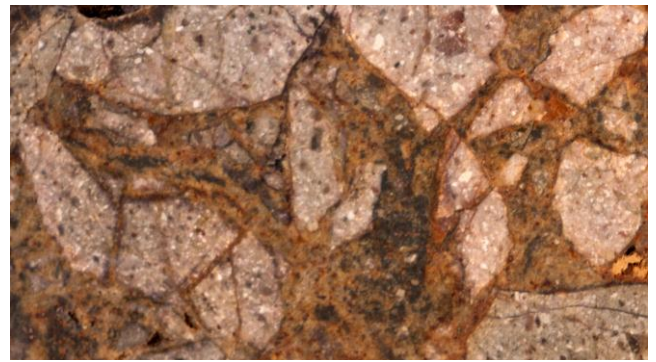
The sample shows a silicified breccia. Fragments were likely remnants of the green lapilli tuff however they appear to have seen a higher degree of metamorphism.

Hand sample: Silicified brecciated lapilli tuff.

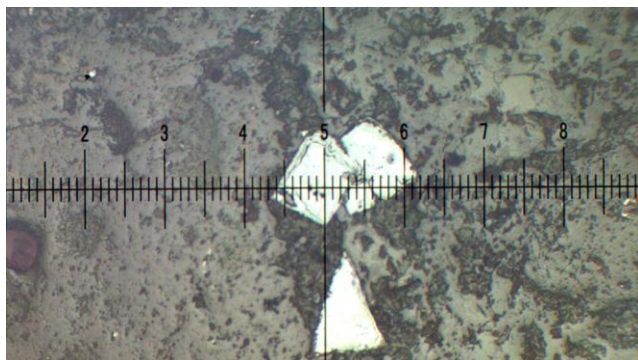
	Mineral	Area	Size
Fragments:	Chlorite	70 to 80%	<2um
	Muscivite	5 to 10%	<2um
	Quartz	2 to 7%	<5um
	Plagioclase	10 to 20%	<5um
Groundmass:	Quartz	35-45%	
	Biotite	20-30%	
	Muscovite	15-25%	
Sulphides:	Pyrite		
Oxides:	Hematite		
	Goethite		



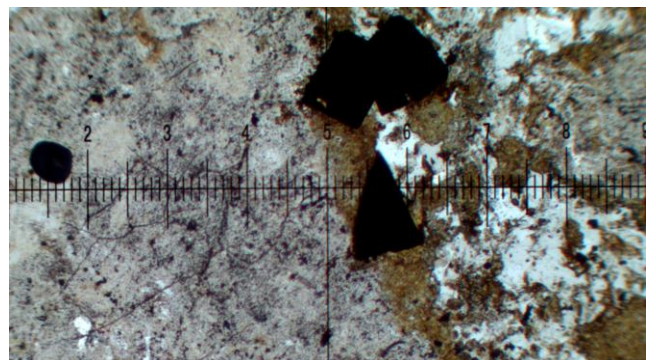
A. Cut face of a silicified breccia of lapilli tuff. Abundant oxidation in matrix. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing pyrite grain in the breccia ground mass. RL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph showing pyrite grain in the breccia ground mass. PPL. FOV is 0.09 mm x 0.16 mm.

Sample: SR20100954 / BX-3

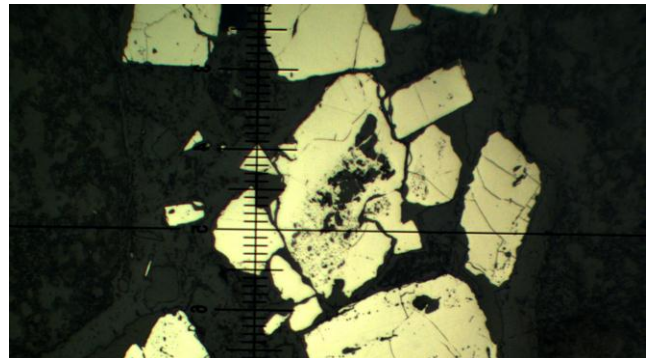
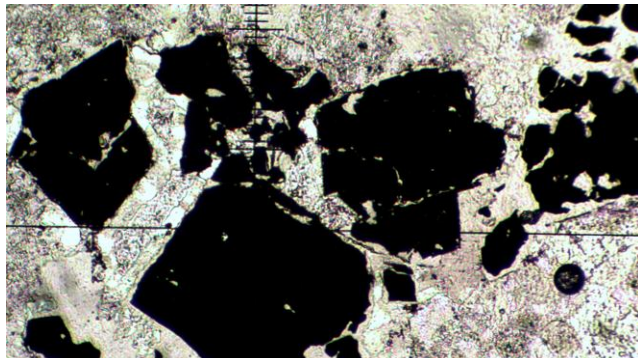
The sample shows is a fine grained chlorite altered ash tuff. There are multiple criss crossing fractures filled with quartz and pyrite. Pyrite grains are euhedral and only slightly or not at all oxidized.

	Mineral	Area	Size
Host Rock:	Chlorite	90 to 95%	<2um
	Muscovite	5 to 10%	<2um
Veins:	Quartz	100%	
Sulphides:	Pyrite	trace	up to 150um
Oxides:	Hematite		
	Goethite		



Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets; Abundant sulphides can be seen to fill the fractures. Ruler for scale.

Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing euhedral pyrite grains in quartz veinlet's. PPL. FOV is 0.09 mm x 0.16 mm.

D. Photomicrograph showing euhedral pyrite grains in quartz veinlet's. RL. FOV is 0.09 mm x 0.16 mm.

Sample: SR20100957 / BX-4

The sample shows a sharp contact with a fine grained chlorite altered tuff. The quartz vein shows open space growth. Pyrite grains are euhedral and show a small amount of oxidation on grain boundaries. They are dominantly found disseminated in the host rock.

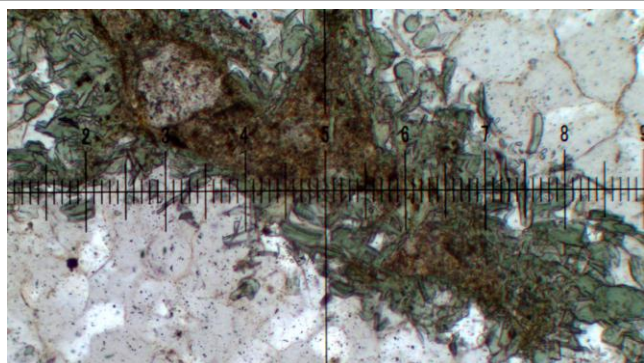
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	4-75um
Oxides:	Hematite	Trace	
	Goethite		



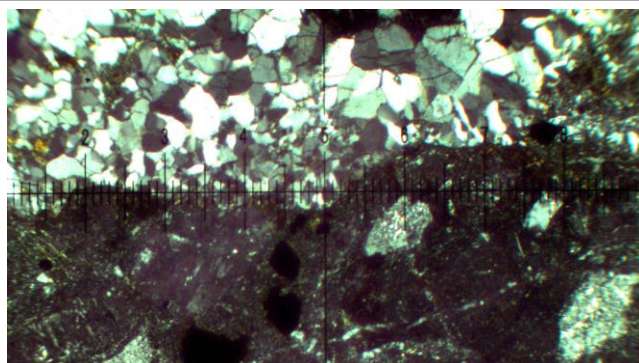
Quartz vein in contact with green lapilli tuff. Ruler for scale.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing an area of coarser chlorite grains. PPL. FOV is 0.036mm x 0.064mm.



D. Photomicrograph showing contact between quartz vein and chlorite altered lapilli tuff. XPL. FOV is 0.036mm x 0.064mm.

Sample: SR20100959 / BX-15

The sample shows a quartz vein hosted in a green lapilli tuff. Quartz textures shows open space growth and multiple layers of growth. Very few sulphides were observed in this sample.

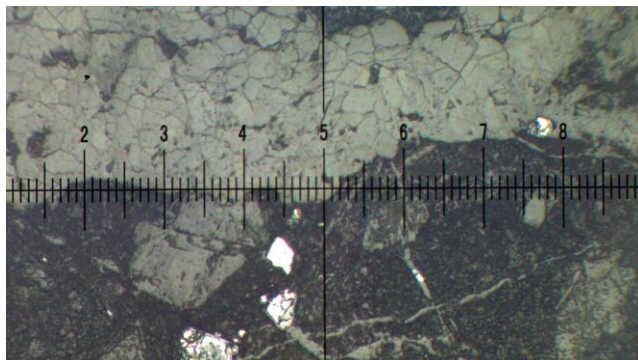
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite	Trace	4-75um
Oxides:	Hematite	Trace	
	Goethite		



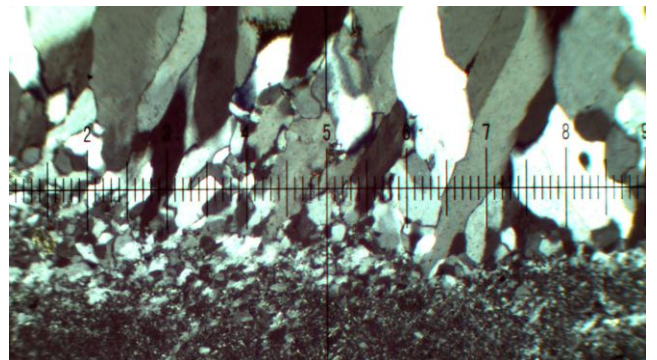
A. Cut face of green lapilli tuff showing fracture filled quartz veinlet. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph of contact between quartz vein and lapilli tuff. RL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph of quartz open space filling quartz grains. XPL. FOV is 0.09 mm x 0.16 mm.

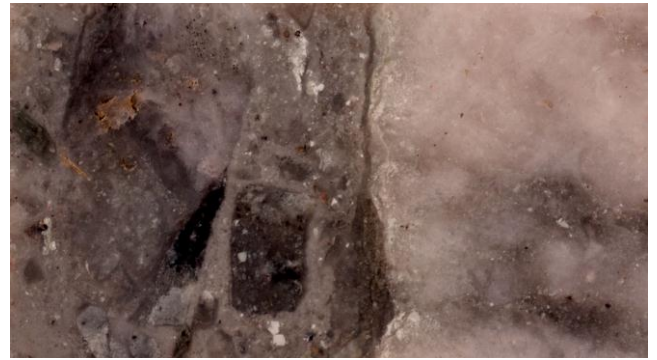
Sample: SR20100960 / BX-5

The sample shows a quartz vein and silica flooding.
Very few sulphides were observed in this sample.

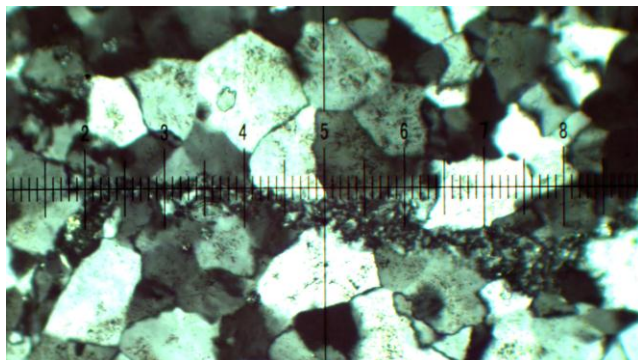
	Mineral	Area	Size
Host Rock:	Chlorite	10-20%	<2um
	Muscovite	15-25%	<2um
	Quartz	60-70%	<2um
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite		
	Goethite		



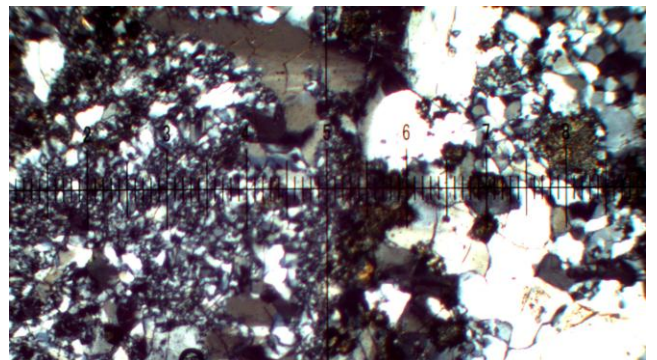
A. Cut face of a highly silicified green lapilli tuff.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm.



C. Photomicrograph. XPL. FOV is 0.036mm x 0.064mm.



D. Photomicrograph. XPL. FOV is 0.09 mm x 0.16 mm.

Sample: SR20100961 / BX-16

The sample shows a contact between the green and purple lapilli tuff.

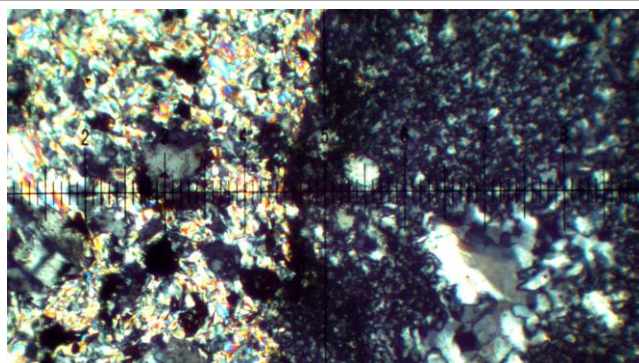
	Mineral	Area	Size
Green Tuff:	Chlorite	40-50%	
	Plagioclase	40-50%	
Purple Tuff:	Chlorite	15-25%	
	Muscovite	45-50%	
	Quartz	25-35%	
Sulphides:	Pyrite		
Oxides:	Hematite		
	Goethite		



A. The sample shows a contact between the green and purple lapilli tuff.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.

FOV is 0.036mm x 0.064mm.

Sample: SR20100962 / BX-17

The sample shows open space filling quartz.

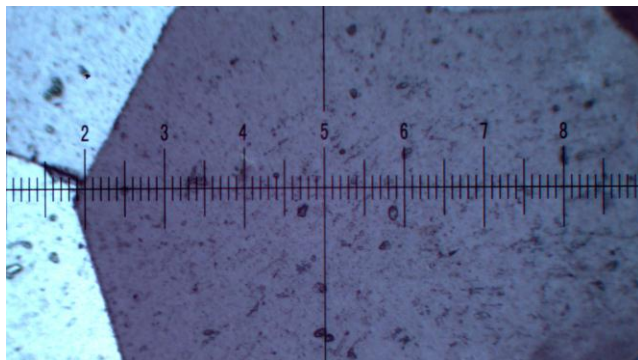
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



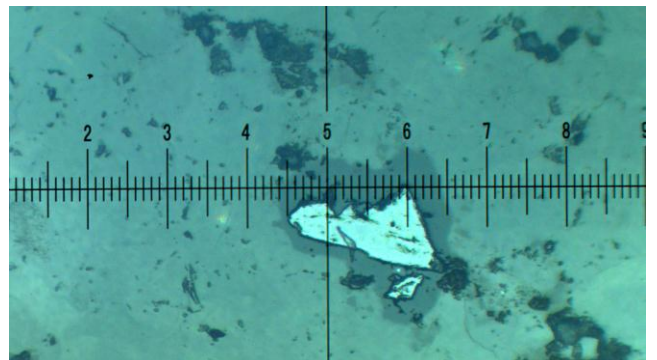
A. Cut face of vuggy open space filled quartz.



B. Prepared section off-cut showing multiple stages of quartz growth into open spaces. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.

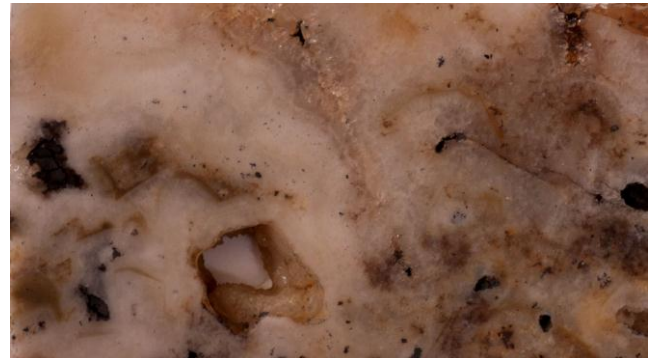


FOV is 0.036mm x 0.064mm.

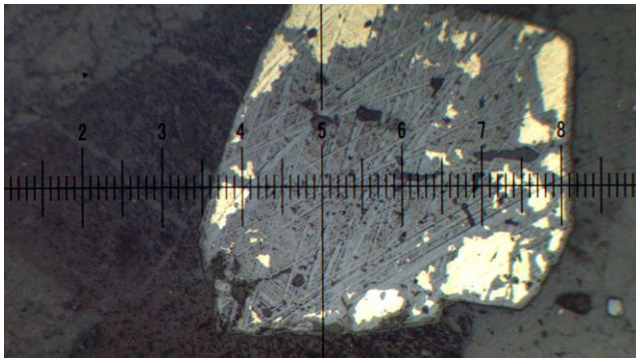
Sample: SR20100963 / BX-6

This sample shows quartz.

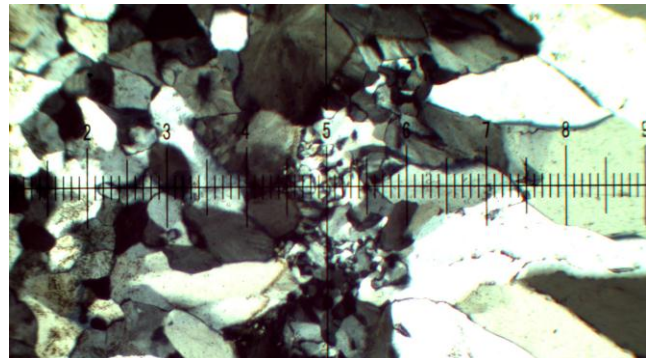
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.



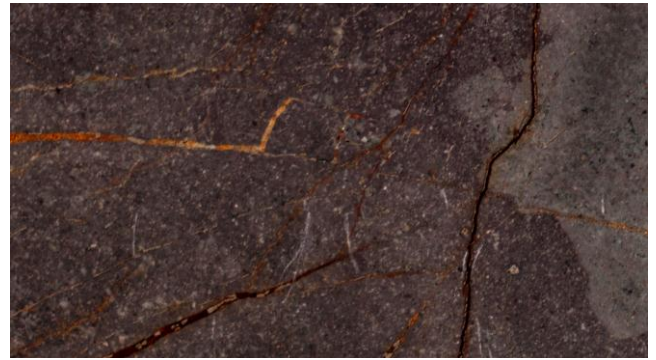
FOV is 0.09 mm x 0.16 mm.

Sample: SR20100965 / BX-7

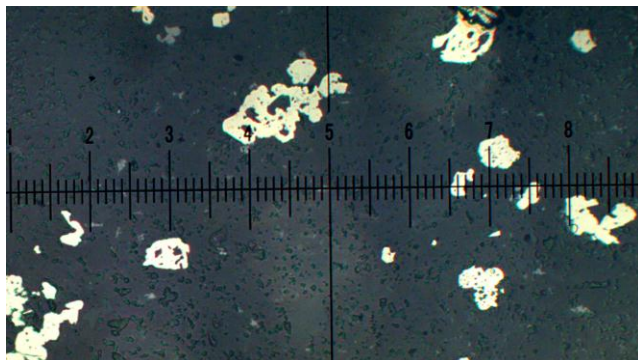
The sample shows chlorite altered basalt. There are multiple criss crossing fractures filled with pyrite. Pyrite grains are anhedral and are also found disseminated throughout the sample.

Hand sample: Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets;. Abundant sulphides can be seen to fill the fractures.

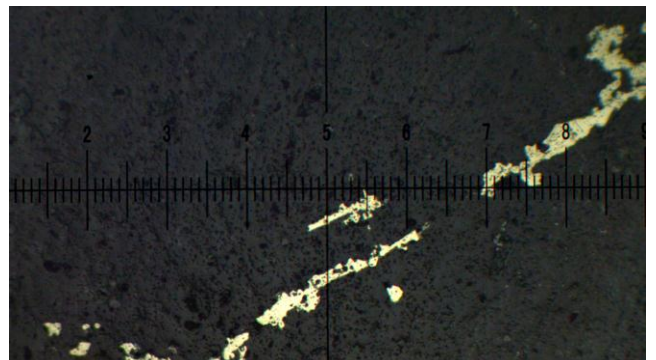
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.036mm x 0.064mm.



FOV is 0.09 mm x 0.16 mm.

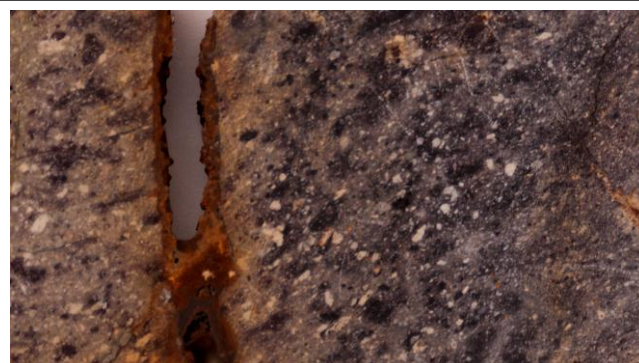
Sample: SR20100969 / BX-8

The sample shows is a fine grained chlorite altered ash tuff. There are multiple criss crossing fractures filled with quartz and pyrite. Pyrite grains are mostly oxidized.

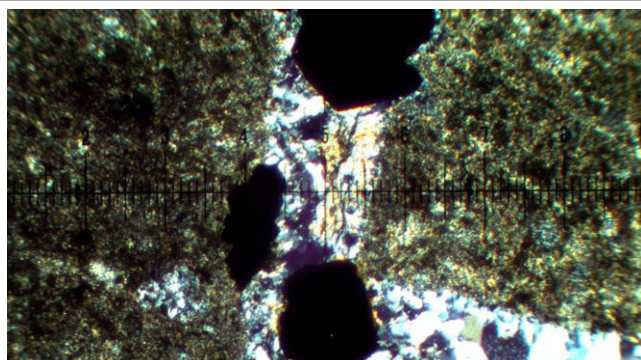
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite		
	Goethite		



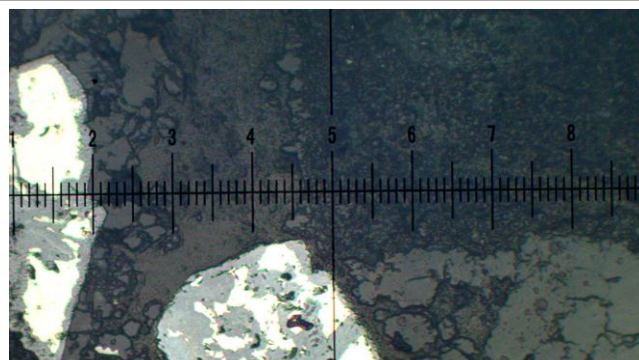
A. Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets; Abundant sulphides can be seen to fill the fractures. Ruler for scale.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.



FOV is 0.036mm x 0.064mm.

Sample: SR20100970 / BX-18

The sample shows chlorite altered basalt. There are multiple criss crossing fractures filled with pyrite. Pyrite grains are anhedral and are also found disseminated throughout the sample.

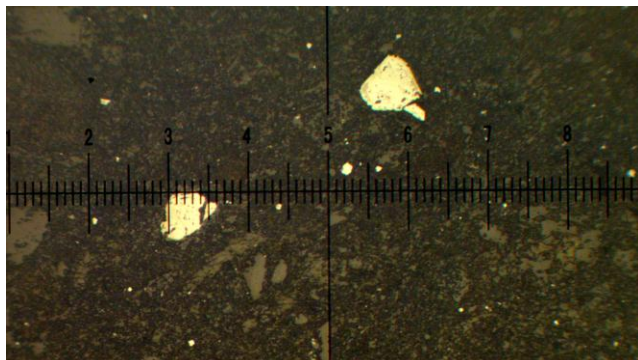
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



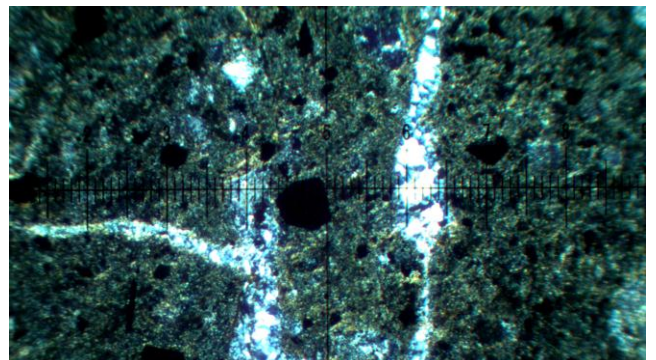
A. Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets; Abundant sulphides can be seen to fill the fractures. Ruler for scale.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.

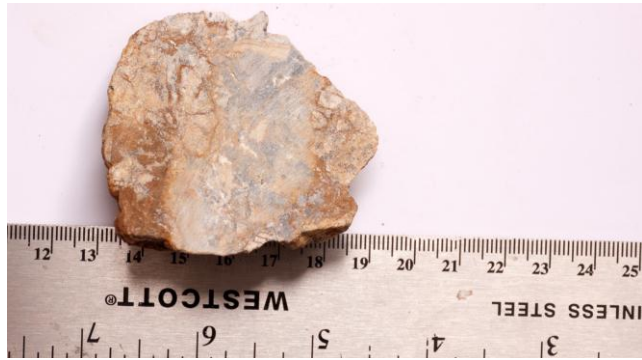


FOV is 0.09 mm x 0.16 mm.

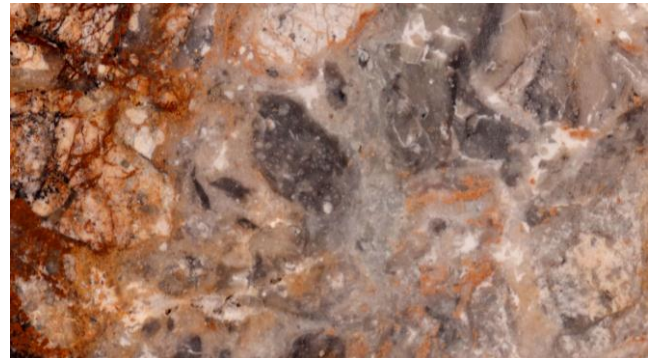
Sample: SR20100971 / BX-19

The sample shows is a calcite quartz breccia

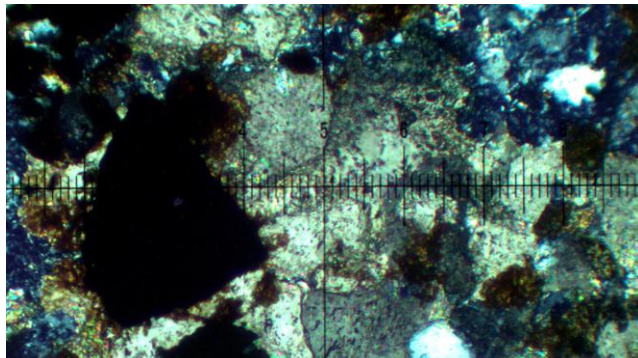
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



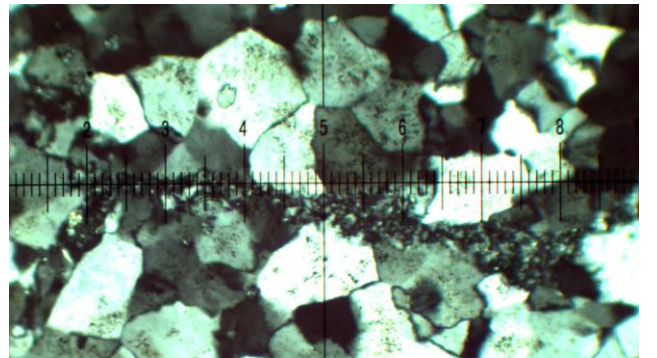
A. Cut face of a calcite quartz breccia.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph of FOV is 0.036mm x 0.064mm.



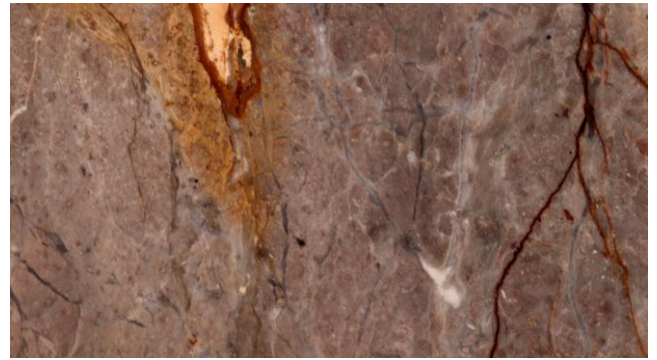
Sample: SR20100972 / BX-9

The sample shows is a fine grained chlorite altered ash tuff. There are multiple criss crossing fractures filled with quartz and pyrite. Pyrite grains are mostly oxidized.

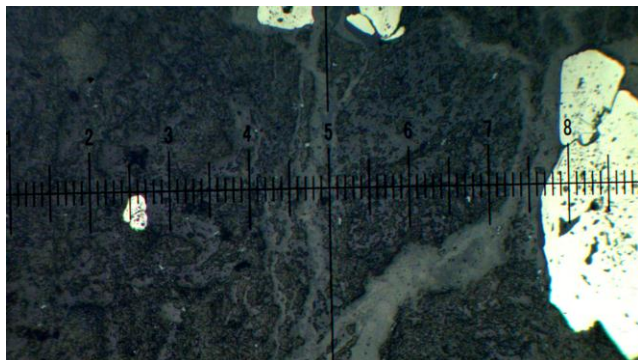
	Mineral	Area	Size
Host Rock:	Chlorite	40 to 50%	<2um
	Muscovite	20 to 30%	<2um
	Quartz	10 to 20%	<5um
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite		
	Goethite		



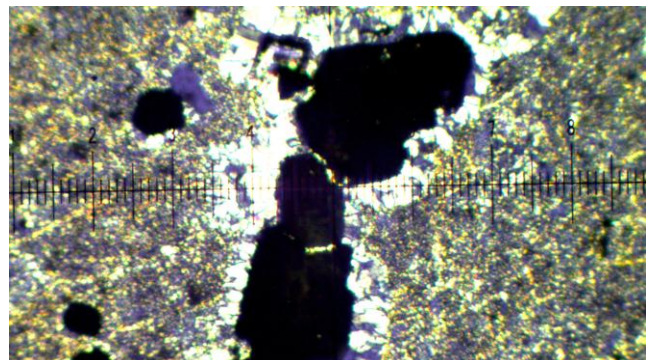
A. Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets;. Abundant sulphides can be seen to fill the fractures.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



FOV is 0.09 mm x 0.16 mm.

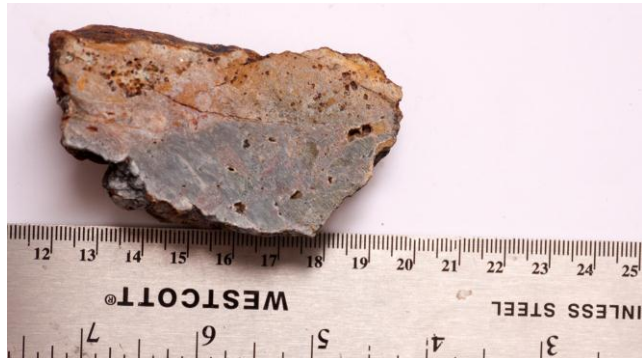


FOV is 0.09 mm x 0.16 mm.

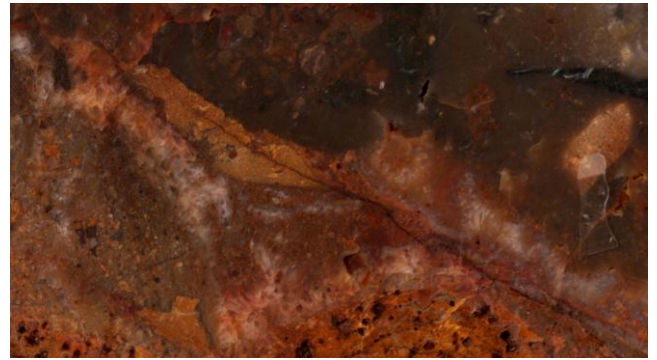
Sample: SR20100973 / BX-10

The sample shows is a fine grained chlorite altered ash tuff. There are multiple criss crossing fractures filled with quartz and pyrite. Pyrite grains are mostly oxidized.

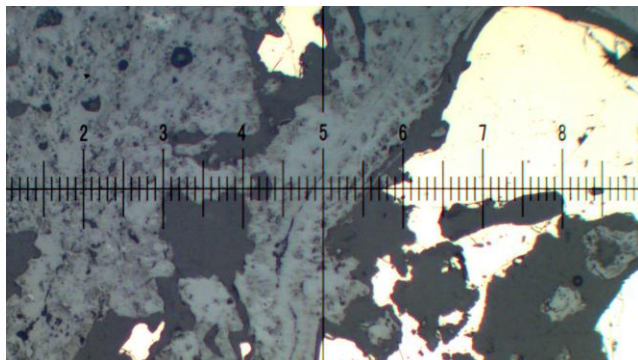
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



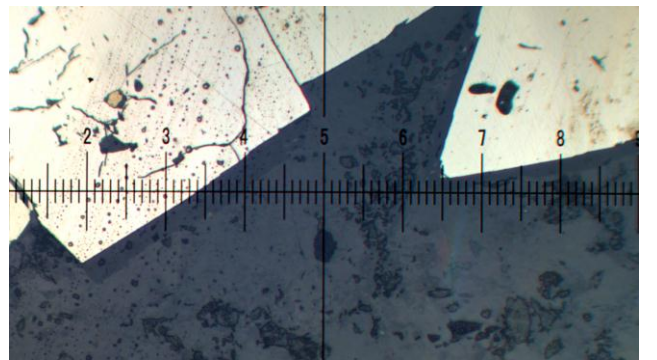
A. Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets. Abundant sulphides can be seen to fill the fractures. Ruler for scale.



Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph showing the oxidation of various pyrite grains (yellow) to hematite (dark grey). RL. FOV is 0.036mm x 0.064mm.



C. Photomicrograph showing euhedral pyrite grains (yellow) with very little oxidation. RL. FOV is 0.036mm x 0.064mm.

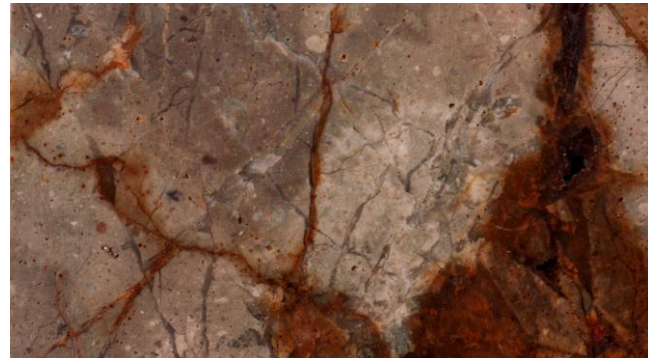
Sample: SR20100974 / BX-20

The sample shows is a fine grained chlorite altered ash tuff. There are multiple criss crossing fractures filled with quartz and pyrite. Pyrite grains are mostly oxidized.

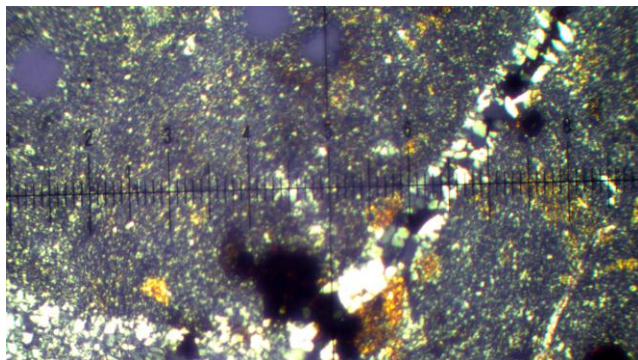
	Mineral	Area	Size
Host Rock:	Chlorite Muscovite Quartz		
Veins:	Quartz	100%	
Sulphides:	Pyrite		
Oxides:	Hematite Goethite		



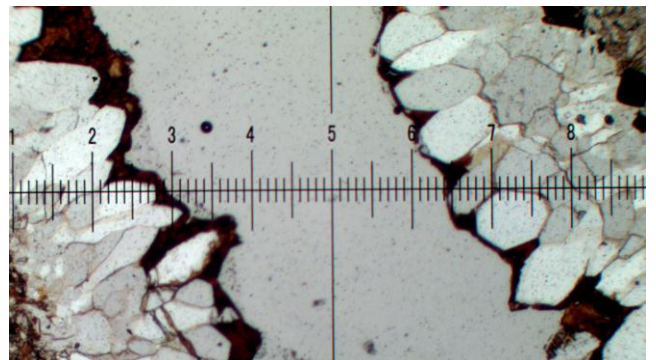
A. Silicified green lapilli tuff. Showing fracture filled quartz veins and veinlets. Abundant sulphides can be seen to fill the fractures. Ruler for scale.



B. Prepared section off-cut. Field of view is approximately 26mm x 46 mm



C. Photomicrograph of quartz vein in a lapilli tuff. XPL. FOV is 0.09 mm x 0.16 mm.



D. Photomicrograph of an open quartz vein with a hematite crust on the open quartz face. PPL. FOV is 0.09 mm x 0.16 mm.

APPENDIX 6

-Laboratory Certificates-



SGS Canada Inc.
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1614-RG1

Company: **St. Elias Mines**

Oct-20-10

Project: **Rock Samples**

Attn: **James Thom**

We *hereby certify* the following geochemical analysis of 22 rock samples submitted Sep-22-10

Sample Name	Au ppb	Au-Check ppb
SR20100901	2675	2397
SR20100902	23	
SR20100903	13	
SR20100904	665	
SR20100905	72	
SR20100906	53	
SR20100907	67	
SR20100908	95	
SR20100909	180	
SR20100910	127	127
SR20100911	162	
SR20100912	15	
SR20100913	2	
SR20100914	10	
SR20100915	24	
SR20100916	<2	
SR20100917	24	
SR20100918	4	
SR20100919	6	
SR20100920	5	
SR20100921	164	
SR20100922	39	
*SG 40	1054	
*BLANK	<2	

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1614-RG2

Company: **St. Elias Mines**
Project: **Rock Samples**
Attn: **James Thom**

Oct-20-10

We hereby certify the following geochemical analysis of 22 rock samples submitted Sep-22-10

Sample Name	Au ppb	Au-Check ppb
SR20100923	69	73
SR20100924	164	
SR20100925	10	
SR20100926	<2	
SR20100927	17	
SR20100928	10	
SR20100929	10	
SR20100930	122	
SR20100931	<2	
SR20100932	94	111
SR20100933	5	
SR20100934	2279	
SR20100935	166	
SR20100936	117	
SR20100937	36	
SR20100938	29	
SR20100939	124	
SR20100940	4	
SR20100941	4	
SR20100942	11	
SR20100943	3	
SR20100944	<2	
*SG 40	1031	
*BLANK	<2	

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1614-RG3

Company: **St. Elias Mines**
Project: **Rock Samples**
Attn: **James Thom**

Oct-20-10

We hereby certify the following geochemical analysis of 22 rock samples submitted Sep-22-10

Sample Name	Au ppb	Au-Check ppb
SR20100945	<2	
SR20100946	7	
SR20100947	150	
SR20100948	13	
SR20100949	70	
SR20100950	14	
SR20100951	8	
SR20100952	4	
SR20100953	10	
SR20100954	13	12
SR20100955	140	
SR20100956	122	
SR20100957	27	
SR20100958	197	
SR20100959	19	
SR20100960	162	
SR20100961	5	
SR20100962	108	
SR20100963	3460	
SR20100964	<2	2
SR20100965	5	
SR20100966	25	
*SG40	1027	
*BLANK	<2	

Au 15g FA AA Finish.

Certified by



SGS Canada Inc.
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1614-RG4

Company: **St.Elias Mines**
Project: **Rock Samples**
Attn: **James Thom**

Oct-20-10

We *hereby certify* the following geochemical analysis of 15 rock samples submitted Sep-22-10

Sample Name	Au ppb	Au-Check ppb
SR20100967	2	2
SR20100968	41	
SR20100969	20	
SR20100970	<2	
SR20100971	31	
SR20100972	6	
SR20100973	125	
SR20100974	56	
MS2010009	4	
MS2010010	20	
MS2010011	70	
MS2010012	314	
MS2010013	62	
MS2010014	5	
MS2010015	<2	
*SG 40	1000	
*BLANK	<2	

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

St.Elias Mines

Project : Rock Samples

Attention : James Thom

Sample type : ROCK

ICP-MS Report

Aqua Regia Digestion

Sample Number	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
SR20100901	1.02	2.8	0.23	12.1	26	<1	<0.1	0.05	0.2	9	0.9	210	1.7	50.4	0.68	1	<0.1	<0.1	0.015	0.01	0.10	3	4.6	0.07	154	5.1
SR20100902	<0.05	0.5	0.79	8.3	66	1	0.1	0.13	0.1	15	2.0	75	5.6	3.6	1.23	2	<0.1	<0.1	0.021	0.01	0.35	5	10.2	0.22	413	8.1
SR20100903	<0.05	0.3	1.03	17.6	54	<1	<0.1	0.15	0.2	18	3.7	48	5.8	12.5	2.00	3	<0.1	<0.1	0.014	0.02	0.29	8	16.0	0.28	438	3.1
SR20100904	0.12	0.7	0.43	11.7	58	<1	<0.1	0.08	0.2	11	1.8	199	5.4	25.0	0.90	1	<0.1	<0.1	0.034	0.01	0.19	4	5.9	0.12	390	11.1
SR20100905	0.05	0.8	0.80	24.2	45	<1	<0.1	0.17	0.3	9	5.4	118	3.2	12.1	2.27	3	<0.1	0.1	0.006	0.02	0.13	3	15.5	0.39	619	2.9
SR20100906	<0.05	3.5	1.25	32.4	140	<1	0.1	0.13	0.2	13	10.1	123	4.7	32.5	3.57	5	<0.1	<0.1	0.026	0.01	0.20	4	25.4	0.68	803	96.6
SR20100907	0.10	1.1	0.78	26.4	47	<1	<0.1	0.07	<0.1	11	5.0	130	13.0	9.6	1.78	3	<0.1	<0.1	0.016	0.01	0.24	3	12.7	0.32	387	23.6
SR20100908	<0.05	4.5	1.02	30.9	49	<1	0.1	0.09	0.1	6	8.1	122	2.3	16.2	2.92	4	<0.1	<0.1	0.005	0.01	0.17	3	19.1	0.43	567	127.6
SR20100909	<0.05	4.5	0.23	7.9	17	<1	0.1	0.03	<0.1	3	1.3	258	3.0	30.0	0.57	1	<0.1	<0.1	0.011	<0.01	0.12	1	3.8	0.07	141	18.1
SR20100910	0.14	8.8	0.50	23.0	52	<1	0.1	0.06	0.2	9	3.4	221	4.4	59.6	1.19	2	<0.1	<0.1	0.018	0.01	0.21	2	8.5	0.16	273	138.8
SR20100911	<0.05	5.0	1.30	41.7	69	<1	<0.1	0.14	0.1	7	10.1	102	3.2	26.6	3.45	4	<0.1	<0.1	0.021	0.01	0.18	2	34.0	0.74	709	108.2
SR20100912	<0.05	1.0	0.66	15.5	63	<1	<0.1	0.06	0.9	7	3.3	148	3.0	5.0	1.50	2	<0.1	<0.1	0.006	0.01	0.13	3	19.0	0.33	400	59.0
SR20100913	<0.05	0.7	0.74	6.8	35	<1	<0.1	0.16	0.2	9	5.2	139	2.1	13.9	1.84	2	<0.1	<0.1	0.009	0.01	0.12	3	17.2	0.45	547	13.3
SR20100914	<0.05	1.1	0.92	21.6	64	<1	<0.1	0.06	0.2	16	5.9	124	2.1	8.2	2.49	3	<0.1	<0.1	0.032	0.01	0.11	6	22.2	0.67	848	43.7
SR20100915	<0.05	14.2	0.88	8.6	46	<1	0.3	0.08	3.1	10	8.5	98	2.8	29.5	2.71	3	<0.1	<0.1	0.024	0.02	0.15	3	18.5	0.40	596	126.4
SR20100916	<0.05	1.6	1.26	19.4	39	<1	0.1	0.03	0.1	11	6.7	64	2.3	10.2	2.97	4	<0.1	<0.1	0.007	0.02	0.13	5	26.0	0.68	839	14.2
SR20100917	<0.05	7.0	0.83	7.5	36	<1	<0.1	0.07	0.9	6	5.3	175	2.2	39.0	1.64	3	<0.1	<0.1	0.016	0.01	0.07	3	27.7	0.64	455	206.9
SR20100918	<0.05	1.4	0.92	12.5	111	<1	0.1	0.10	0.5	13	5.7	119	1.5	6.5	2.19	3	<0.1	<0.1	<0.005	0.01	0.08	6	24.9	0.56	552	15.7
SR20100919	<0.05	0.6	1.32	12.8	83	<1	<0.1	0.07	<0.1	8	6.9	42	4.2	26.0	3.40	5	<0.1	<0.1	<0.005	0.02	0.27	3	19.5	0.56	594	21.0
SR20100920	<0.05	2.9	0.64	84.3	29	<1	<0.1	0.03	0.1	4	3.8	103	1.8	24.6	2.64	2	<0.1	<0.1	<0.005	0.01	0.17	2	15.2	0.25	252	50.6
SR20100921	0.07	4.8	1.15	49.1	43	<1	<0.1	0.07	0.1	6	10.8	52	2.7	54.2	4.48	4	<0.1	<0.1	0.008	0.01	0.23	2	17.7	0.43	485	55.5
SR20100922	<0.05	1.8	1.18	47.5	191	<1	0.1	0.07	0.2	8	9.4	80	2.6	18.0	3.42	4	<0.1	<0.1	0.012	0.01	0.14	4	30.6	0.65	557	35.0
SR20100923	0.13	3.2	0.96	16.0	67	<1	0.1	0.09	0.3	6	7.0	108	2.0	51.7	2.59	3	<0.1	<0.1	0.012	0.01	0.10	2	23.6	0.40	611	83.0
SR20100924	0.10	150.6	1.18	29.4	66	<1	<0.1	0.11	0.1	6	10.7	125	1.6	737.9	3.09	5	<0.1	<0.1	0.252	0.03	0.07	2	22.8	0.80	1773	671.1
SR20100925	<0.05	0.5	0.50	32.8	24	<1	<0.1	12.81	0.2	24	5.3	44	0.3	6.8	1.57	3	<0.1	<0.1	0.020	0.02	0.03	11	25.2	0.42	2547	3.3
SR20100926	<0.05	0.6	1.38	1.0	12	<1	0.5	0.24	<0.1	11	14.7	44	0.7	47.6	4.93	8	<0.1	<0.1	0.039	0.02	0.05	5	38.8	1.35	783	3.1
SR20100927	<0.05	1.3	1.96	189.4	12	<1	0.1	0.20	0.1	6	16.5	37	1.3	100.0	6.13	10	<0.1	<0.1	0.064	0.05	0.09	3	62.7	1.56	794	27.7
SR20100928	<0.05	4.4	1.01	26.0	113	1	0.1	4.27	0.4	13	4.2	107	3.1	23.2	1.48	3	<0.1	0.2	0.232	0.01	0.49	5	3.2	0.13	576	18.2
SR20100929	<0.05	7.6	0.53	64.6	12	<1	6.3	0.13	0.2	9	4.0	122	4.4	598.1	1.34	2	<0.1	<0.1	1.045	0.02	0.22	4	5.6	0.24	258	145.7
SR20100930	0.05	5.3	0.78	53.8	13	<1	3.0	0.32	0.2	12	8.9	140	5.7	105.6	2.29	4	<0.1	<0.1	0.154	0.09	0.29	3	5.5	0.17	230	39.5

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppb	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
SR20100901	0.01	0.1	4.2	0.006	19.6	7.5	<5	<0.05	1.1	0.6	<0.5	0.1	2	<0.1	<0.1	0.1	<0.005	0.1	<0.1	6	0.1	1.9	11	0.4
SR20100902	0.01	0.1	2.0	0.027	5.4	21.4	<5	<0.05	0.4	1.4	<0.5	0.1	3	<0.1	<0.1	0.4	<0.005	0.3	0.1	12	0.1	4.9	40	1.0
SR20100903	0.02	0.1	2.2	0.058	5.6	15.8	<5	0.13	0.4	2.7	<0.5	0.1	5	<0.1	<0.1	0.7	<0.005	0.2	0.2	8	0.3	8.4	53	0.8
SR20100904	0.01	0.1	4.5	0.011	7.4	16.2	<5	<0.05	0.4	1.0	<0.5	0.1	3	<0.1	<0.1	0.2	<0.005	0.2	0.1	21	0.1	3.5	14	0.6
SR20100905	0.03	0.1	3.7	0.026	36.7	9.4	<5	<0.05	0.5	2.2	<0.5	0.2	6	<0.1	0.2	0.3	0.007	0.2	0.1	25	0.2	5.1	47	0.9
SR20100906	0.01	0.1	5.1	0.037	33.9	18.5	<5	<0.05	1.4	3.7	<0.5	0.1	5	<0.1	0.2	0.3	<0.005	0.2	0.1	52	0.3	7.5	57	0.6
SR20100907	0.01	<0.1	4.1	0.018	8.3	24.5	<5	0.11	0.6	1.8	<0.5	0.1	3	<0.1	0.1	0.2	<0.005	0.3	0.1	33	0.2	2.3	31	0.3
SR20100908	0.01	0.1	5.3	0.031	23.1	15.0	<5	0.11	1.5	1.8	<0.5	0.1	3	<0.1	0.3	0.5	<0.005	0.4	0.1	40	0.2	3.2	51	0.5
SR20100909	<0.01	0.1	5.2	0.006	24.8	11.0	<5	<0.05	1.1	0.6	<0.5	0.1	1	<0.1	0.1	<0.1	<0.005	0.2	<0.1	17	0.1	2.1	7	0.2
SR20100910	0.01	0.1	5.5	0.017	64.0	20.4	<5	<0.05	3.3	1.7	<0.5	0.1	3	<0.1	0.3	0.1	<0.005	0.5	0.1	41	0.2	3.2	19	0.2
SR20100911	0.01	0.1	4.6	0.049	22.1	14.7	5	0.41	1.6	3.4	<0.5	0.1	5	<0.1	0.3	0.2	<0.005	0.3	0.2	47	0.3	5.8	59	0.4
SR20100912	0.01	0.1	4.2	0.026	9.8	8.5	<5	<0.05	0.6	1.5	<0.5	0.1	4	<0.1	0.2	0.3	<0.005	0.3	0.1	15	0.2	2.6	38	0.5
SR20100913	0.01	<0.1	5.4	0.020	11.2	7.3	<5	<0.05	0.8	1.5	<0.5	0.1	5	<0.1	0.2	0.2	<0.005	0.2	0.1	16	0.2	3.5	49	0.5
SR20100914	0.01	0.1	4.7	0.018	19.9	6.9	<5	0.20	1.1	1.4	<0.5	0.1	3	<0.1	0.2	0.1	<0.005	0.2	0.1	27	0.2	4.3	51	0.4
SR20100915	0.01	<0.1	5.7	0.029	329.7	10.8	7	0.21	2.7	2.2	<0.5	0.1	5	<0.1	5.3	0.3	<0.005	0.2	0.1	23	0.2	2.5	117	0.4
SR20100916	0.03	<0.1	5.0	0.031	24.3	9.0	<5	0.09	0.4	3.2	<0.5	0.2	3	<0.1	0.7	0.2	<0.005	0.1	0.1	28	0.1	5.8	57	0.7
SR20100917	0.01	<0.1	7.4	0.015	26.8	4.9	<5	<0.05	1.5	2.2	<0.5	0.1	3	<0.1	0.6	0.1	<0.005	0.5	0.1	32	0.1	2.3	60	0.2
SR20100918	0.02	0.1	5.7	0.025	41.7	4.3	<5	0.06	0.4	2.3	<0.5	0.1	6	<0.1	0.5	0.3	<0.005	0.1	0.1	24	0.1	3.6	62	0.6
SR20100919	0.02	<0.1	3.7	0.059	9.1	16.4	<5	0.61	0.4	3.7	<0.5	0.1	3	<0.1	0.1	0.4	<0.005	0.2	0.1	35	0.1	3.9	56	0.5
SR20100920	0.01	0.1	4.0	0.027	28.8	10.3	6	0.26	1.1	2.2	<0.5	0.1	6	<0.1	1.0	0.3	<0.005	0.2	<0.1	21	0.1	2.6	33	0.6
SR20100921	0.01	0.1	5.2	0.048	22.5	15.3	<5	1.51	1.1	3.2	<0.5	0.1	2	<0.1	1.6	0.2	<0.005	0.2	0.1	36	0.2	3.6	50	0.5
SR20100922	0.01	0.1	4.4	0.031	15.2	8.5	<5	0.14	1.0	2.5	<0.5	0.1	8	<0.1	0.5	0.2	<0.005	0.1	0.1	37	0.1	3.8	66	0.6
SR20100923	0.01	0.1	3.5	0.022	27.6	7.1	<5	<0.05	1.0	1.8	<0.5	0.1	3	<0.1	0.8	0.1	<0.005	0.2	0.1	28	0.1	3.2	51	0.4
SR20100924	0.01	0.1	11.5	0.035	99.4	4.9	<5	<0.05	5.7	3.4	<0.5	0.2	4	<0.1	8.3	0.2	<0.005	1.4	0.2	55	0.4	3.3	114	0.5
SR20100925	0.01	0.1	3.8	0.081	6.6	1.6	<5	0.06	0.3	1.9	<0.5	0.1	421	<0.1	0.1	0.5	0.021	<0.1	0.1	21	0.1	18.9	32	0.6
SR20100926	0.04	0.1	3.9	0.065	4.6	3.2	<5	1.74	0.1	7.0	<0.5	0.2	9	<0.1	0.3	0.6	0.007	<0.1	0.1	118	0.2	8.0	70	0.2
SR20100927	0.03	0.1	4.6	0.089	8.0	5.0	<5	1.51	1.1	7.6	<0.5	0.3	7	<0.1	0.4	0.8	0.007	0.1	0.5	165	0.2	7.8	68	0.2
SR20100928	0.01	0.5	5.2	0.013	18.2	27.1	<5	<0.05	1.1	2.1	<0.5	0.3	18	<0.1	<0.1	2.3	0.007	0.6	3.9	22	0.4	15.9	41	4.3
SR20100929	0.01	<0.1	5.1	0.025	2936.6	19.3	<5	<0.05	1.7	0.7	<0.5	0.2	7	<0.1	0.4	1.9	<0.005	0.4	0.9	9	0.4	4.1	48	0.4
SR20100930	0.01	0.1	6.2	0.015	40.5	27.4	<5	0.46	1.4	1.9	<0.5	4.9	3	<0.1	0.2	1.4	<0.005	0.4	4.6	32	0.2	4.7	40	0.9

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
SR20100931	<0.05	0.2	0.10	4.3	72	1	<0.1	15.56	1.0	11	14.1	50	0.8	6.3	4.85	1	<0.1	<0.1	0.680	<0.01	0.04	6	0.9	0.15	2622	10.1
SR20100932	<0.05	1.5	0.76	20.2	33	<1	<0.1	0.11	0.2	11	3.9	123	7.3	16.0	1.82	3	<0.1	<0.1	0.018	0.01	0.19	3	18.4	0.39	482	19.9
SR20100933	<0.05	1.7	0.87	7.8	26	<1	0.1	0.15	0.3	4	8.2	118	1.9	31.8	3.60	4	<0.1	<0.1	0.039	0.02	0.10	2	21.0	0.55	656	2.2
SR20100934	2.98	2.8	0.58	6.8	21	<1	<0.1	0.07	0.5	13	4.0	193	2.0	21.7	1.19	2	<0.1	<0.1	0.022	0.01	0.11	4	15.3	0.26	278	1.2
SR20100935	0.08	0.8	0.85	17.3	32	<1	<0.1	0.14	0.3	5	7.6	139	2.8	30.4	2.70	3	<0.1	<0.1	0.039	0.01	0.09	2	19.9	0.39	656	34.0
SR20100936	<0.05	0.6	0.96	21.8	34	<1	0.1	0.12	0.1	4	6.6	76	3.2	33.0	3.14	3	<0.1	<0.1	0.025	0.02	0.17	2	17.4	0.28	321	19.0
SR20100937	<0.05	1.2	1.03	18.5	46	<1	0.1	0.13	0.2	7	9.7	90	3.8	29.5	5.00	4	<0.1	<0.1	0.047	0.02	0.10	3	21.7	0.51	1257	38.2
SR20100938	<0.05	4.3	1.49	21.2	59	<1	<0.1	0.19	<0.1	9	11.8	97	4.7	11.8	4.05	6	<0.1	<0.1	0.079	0.01	0.15	3	35.5	0.84	1064	231.7
SR20100939	0.10	3.1	0.62	32.6	56	<1	<0.1	0.07	0.1	6	5.1	98	2.6	163.3	2.26	2	<0.1	<0.1	0.041	0.02	0.17	2	11.4	0.30	351	126.8
SR20100940	<0.05	1.5	1.64	30.7	33	<1	0.1	0.24	3.1	11	11.2	44	4.2	24.5	4.70	5	<0.1	<0.1	0.023	0.02	0.20	5	27.7	0.75	944	94.4
SR20100941	<0.05	2.5	1.23	11.6	37	<1	0.1	0.08	0.5	10	6.5	57	2.4	8.8	4.62	4	<0.1	<0.1	0.076	0.03	0.17	6	21.8	0.60	471	84.5
SR20100942	<0.05	0.5	0.79	9.0	41	<1	<0.1	0.11	1.6	6	13.2	106	2.8	20.1	3.84	2	<0.1	<0.1	0.083	0.02	0.10	2	14.9	0.30	2082	59.0
SR20100943	<0.05	0.7	1.09	15.6	28	<1	<0.1	0.14	0.4	7	9.7	35	3.7	16.9	3.51	3	<0.1	<0.1	0.039	0.01	0.19	3	19.2	0.40	570	23.4
SR20100944	<0.05	0.5	0.82	3.6	62	<1	0.1	0.12	0.5	12	5.9	53	3.1	15.1	2.61	3	<0.1	0.1	<0.005	0.01	0.22	6	13.6	0.28	569	2.1
SR20100945	<0.05	<0.1	0.19	0.7	11	<1	<0.1	0.23	0.1	1	1.4	184	0.5	12.9	0.45	1	<0.1	<0.1	0.017	<0.01	0.01	1	2.4	0.11	470	4.1
SR20100946	<0.05	0.3	0.87	19.4	27	<1	<0.1	0.26	0.1	6	9.9	190	2.6	27.4	2.83	4	<0.1	0.1	0.029	0.01	0.09	2	14.3	0.30	665	29.1
SR20100947	<0.05	0.4	1.37	12.5	153	<1	<0.1	1.73	0.1	6	6.5	167	1.9	21.2	1.84	5	<0.1	0.1	0.023	0.01	0.33	2	18.2	0.38	884	29.4
SR20100948	<0.05	0.4	1.04	14.2	29	<1	<0.1	18.18	3.3	16	8.3	21	2.0	9.6	2.89	4	<0.1	<0.1	0.029	0.02	0.06	8	26.2	0.85	5503	1.2
SR20100949	<0.05	0.8	2.02	256.1	61	<1	<0.1	2.03	0.1	8	10.0	66	7.0	6.3	3.28	9	<0.1	0.1	0.122	0.03	0.18	4	42.0	0.60	379	37.2
SR20100950	<0.05	0.4	2.04	24.2	72	1	0.1	0.31	0.1	5	14.6	14	4.0	11.1	5.68	8	<0.1	<0.1	0.025	0.02	0.13	4	39.4	1.08	548	1.6
SR20100951	<0.05	0.2	1.16	10.4	44	<1	<0.1	0.17	0.1	13	7.0	89	5.1	12.3	2.76	4	<0.1	<0.1	0.011	0.01	0.22	5	25.5	0.55	532	7.6
SR20100952	<0.05	0.6	1.22	8.9	64	<1	0.1	0.16	0.5	10	5.1	75	3.6	111.6	2.10	4	<0.1	<0.1	0.188	0.02	0.26	4	17.7	0.63	285	4.8
SR20100953	<0.05	0.5	2.57	19.1	208	<1	<0.1	1.66	0.6	8	14.5	76	3.4	19.5	3.52	8	<0.1	<0.1	0.034	0.02	0.57	4	42.4	1.13	915	36.7
SR20100954	<0.05	2.2	1.37	5.9	20	<1	0.1	0.10	<0.1	6	8.9	50	1.8	17.1	4.10	5	<0.1	<0.1	0.032	0.01	0.20	3	23.3	0.76	602	18.7
SR20100955	<0.05	0.8	0.78	12.1	58	1	0.1	0.06	<0.1	8	3.3	105	3.2	19.4	1.18	3	<0.1	<0.1	0.054	0.01	0.28	4	7.7	0.29	202	46.8
SR20100956	<0.05	0.7	1.07	15.3	53	1	<0.1	0.13	0.1	12	6.5	111	4.1	17.7	1.75	4	<0.1	<0.1	0.048	0.01	0.25	3	16.7	0.49	418	22.5
SR20100957	<0.05	0.2	0.91	9.4	39	<1	<0.1	0.04	0.1	6	5.4	126	3.3	14.1	1.70	3	<0.1	<0.1	0.018	0.01	0.25	1	10.3	0.42	467	3.6
SR20100958	<0.05	0.4	0.66	19.8	51	1	<0.1	0.40	0.1	11	4.0	106	3.5	10.2	1.44	2	<0.1	<0.1	0.031	0.01	0.24	5	7.0	0.25	351	11.1
SR20100959	<0.05	0.7	0.99	37.2	48	<1	0.1	0.06	<0.1	5	6.8	98	2.3	10.2	2.80	4	<0.1	<0.1	0.018	0.01	0.30	2	10.7	0.38	425	3.3
SR20100960	0.09	4.1	0.71	7.6	37	1	0.1	0.49	0.1	10	4.2	169	5.5	12.1	1.14	3	<0.1	<0.1	0.112	0.01	0.24	4	8.8	0.26	450	345.8

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St. Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppb	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
SR20100931	<0.01	0.2	12.7	0.003	67.9	3.6	<5	<0.05	0.9	3.6	<0.5	0.1	120	<0.1	<0.1	2.0	0.020	0.1	36.1	25	1.1	43.0	140	0.2
SR20100932	<0.01	<0.1	3.7	0.024	9.3	17.7	<5	<0.05	0.6	1.6	<0.5	0.1	3	<0.1	0.1	0.1	<0.005	0.3	0.1	27	0.1	3.8	34	0.2
SR20100933	0.01	<0.1	5.2	0.023	211.6	5.3	<5	0.70	1.1	3.1	<0.5	0.2	3	<0.1	0.5	0.2	0.010	0.1	0.4	44	1.0	2.7	84	0.8
SR20100934	0.01	<0.1	5.2	0.012	6.9	7.8	<5	<0.05	0.4	1.1	<0.5	0.1	3	<0.1	<0.1	0.1	<0.005	0.1	<0.1	20	0.2	4.6	24	0.4
SR20100935	0.01	<0.1	5.3	0.028	21.8	7.5	<5	0.23	1.2	2.9	<0.5	0.1	5	<0.1	0.1	0.1	<0.005	0.3	0.1	33	0.4	3.8	61	0.4
SR20100936	0.01	<0.1	3.6	0.041	9.6	12.8	<5	<0.05	1.2	4.3	<0.5	0.1	9	<0.1	0.1	0.2	<0.005	0.2	0.2	35	1.3	4.4	51	0.4
SR20100937	0.01	0.1	4.9	0.035	42.0	8.9	<5	0.20	1.6	5.0	<0.5	0.1	7	<0.1	0.4	0.2	<0.005	0.2	0.2	45	1.1	7.6	107	0.5
SR20100938	0.01	0.1	7.1	0.050	21.8	12.6	24	0.72	2.4	3.9	<0.5	0.1	7	<0.1	0.3	0.2	<0.005	1.1	0.1	60	0.5	4.8	85	0.4
SR20100939	0.01	<0.1	3.5	0.024	35.0	10.3	10	0.58	3.9	1.5	<0.5	0.1	3	<0.1	0.6	0.2	<0.005	0.3	0.1	18	0.2	3.3	38	0.3
SR20100940	0.01	0.1	5.7	0.104	47.3	9.5	64	0.77	1.7	5.6	<0.5	0.1	8	<0.1	0.4	0.4	<0.005	0.2	0.1	51	0.4	7.8	228	0.7
SR20100941	0.01	0.1	4.6	0.094	24.8	7.1	35	1.05	1.1	4.7	<0.5	0.1	40	<0.1	0.6	0.3	0.005	0.1	0.1	41	0.3	4.3	120	0.7
SR20100942	0.01	0.1	10.1	0.022	11.3	6.5	<5	0.15	1.0	4.0	<0.5	0.1	8	<0.1	0.1	0.1	<0.005	0.2	<0.1	31	0.6	5.2	140	0.5
SR20100943	0.01	<0.1	3.5	0.058	11.9	10.7	<5	0.39	1.3	3.4	<0.5	0.1	4	<0.1	0.1	0.2	<0.005	0.1	0.1	29	0.5	5.7	81	0.4
SR20100944	0.03	0.1	3.8	0.042	11.3	9.3	<5	<0.05	0.4	3.0	<0.5	0.1	5	<0.1	0.2	0.5	0.010	0.1	0.2	20	0.2	7.1	43	1.1
SR20100945	0.01	0.3	4.4	0.002	1.2	0.7	<5	<0.05	<0.1	0.6	<0.5	0.1	6	<0.1	<0.1	<0.1	<0.005	<0.1	<0.1	10	<0.1	1.1	7	0.3
SR20100946	0.01	0.2	9.4	0.015	3.5	7.2	<5	<0.05	0.9	4.8	<0.5	0.2	5	<0.1	<0.1	0.1	<0.005	0.4	0.1	47	0.5	6.1	42	0.4
SR20100947	0.13	0.7	7.4	0.015	3.6	15.6	<5	<0.05	0.8	4.4	<0.5	0.1	15	<0.1	<0.1	0.1	0.005	0.6	<0.1	58	0.4	9.3	29	0.7
SR20100948	<0.01	0.2	7.2	0.023	18.9	4.8	<5	0.34	0.4	4.5	<0.5	0.1	546	<0.1	<0.1	0.2	0.027	0.1	0.1	39	0.2	31.1	238	0.3
SR20100949	0.40	0.3	5.0	0.037	7.1	13.9	<5	0.21	3.4	9.5	<0.5	0.2	24	<0.1	<0.1	0.4	0.022	0.4	0.2	84	2.0	11.7	37	1.3
SR20100950	0.01	0.1	5.2	0.051	8.6	9.4	<5	<0.05	1.3	4.8	<0.5	0.1	11	<0.1	<0.1	0.4	<0.005	0.1	0.1	55	0.8	9.3	83	0.3
SR20100951	0.01	0.1	4.3	0.050	4.0	12.4	<5	<0.05	0.9	2.9	<0.5	0.1	5	<0.1	<0.1	0.3	<0.005	0.2	0.1	23	1.7	7.8	56	0.6
SR20100952	0.01	<0.1	3.0	0.031	32.9	11.9	<5	0.07	1.1	3.5	<0.5	0.1	3	<0.1	<0.1	0.2	<0.005	0.1	0.1	24	0.2	4.5	71	0.6
SR20100953	0.04	0.2	10.5	0.037	11.2	21.4	<5	<0.05	1.2	5.9	<0.5	0.2	22	<0.1	0.1	0.1	0.007	1.0	0.1	84	0.4	14.0	139	0.6
SR20100954	0.01	0.1	4.7	0.068	18.9	13.3	<5	1.27	0.6	3.0	<0.5	0.1	2	<0.1	0.7	0.2	<0.005	0.2	0.1	28	0.3	3.7	69	0.6
SR20100955	0.01	0.1	3.2	0.038	6.6	15.9	<5	<0.05	0.9	2.4	<0.5	0.1	2	<0.1	<0.1	0.3	<0.005	0.4	0.1	23	0.4	2.7	23	0.5
SR20100956	0.01	<0.1	4.8	0.042	7.7	16.4	<5	<0.05	0.7	2.3	<0.5	0.1	7	<0.1	<0.1	0.3	<0.005	0.2	0.1	23	0.5	3.5	42	0.5
SR20100957	0.01	0.1	4.3	0.025	3.9	14.2	<5	<0.05	0.4	2.6	<0.5	0.1	2	<0.1	<0.1	0.2	<0.005	0.1	0.1	21	0.1	2.0	35	0.6
SR20100958	0.01	<0.1	3.3	0.039	4.9	14.6	<5	0.26	0.8	2.3	<0.5	0.2	8	<0.1	<0.1	0.2	<0.005	0.2	0.1	16	0.9	6.0	30	0.6
SR20100959	0.01	0.1	3.6	0.043	5.9	16.8	<5	0.74	0.4	2.0	<0.5	0.1	2	<0.1	0.7	0.1	<0.005	0.2	<0.1	19	0.2	2.0	49	0.5
SR20100960	0.01	<0.1	4.7	0.029	16.8	17.0	29	0.17	1.7	3.0	<0.5	0.1	11	<0.1	<0.1	0.2	<0.005	1.8	0.1	33	0.4	4.4	24	0.3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	
SR20100961	<0.05	1.3	1.30	8.5	43	<1	<0.1	0.40	0.5	16	7.2	80	1.7	72.6	2.64	7	<0.1	<0.1	0.012	0.02	0.18	6	17.4	0.60	945	9.5	
SR20100962	0.06	1.4	0.44	4.0	11	<1	<0.1	0.33	0.1	5	1.1	213	1.1	2.5	0.63	2	<0.1	<0.1	0.012	0.01	0.10	3	7.6	0.21	243	14.2	
SR20100963	1.59	4.8	0.32	7.7	16	<1	0.2	0.09	0.6	5	1.6	193	0.5	44.9	0.86	1	<0.1	<0.1	0.021	0.01	0.03	2	7.6	0.12	216	5.2	
SR20100964	<0.05	0.4	1.41	4.2	41	<1	0.1	0.55	<0.1	39	9.7	48	0.1	5.6	3.89	10	0.1	0.3	0.013	0.03	0.06	17	17.5	1.17	705	2.2	
SR20100965	<0.05	0.8	1.80	8.2	43	<1	0.1	0.34	<0.1	8	18.8	23	2.0	54.6	6.70	6	<0.1	<0.1	0.020	0.01	0.30	4	27.9	1.25	652	1.8	
SR20100966	<0.05	0.3	1.26	218.5	30	<1	0.2	0.74	0.3	17	12.3	55	1.6	36.9	4.68	7	0.1	0.2	0.023	0.02	0.20	8	21.0	0.98	1007	31.8	
SR20100967	<0.05	114.3	1.01	99.4	1374	<1	0.2	0.13	3.4	11	7.6	46	8.1	2871.6	2.46	2	<0.1	<0.1	0.334	0.03	0.15	6	27.4	0.24	732	1.8	
SR20100968	<0.05	1.3	1.58	53.7	29	<1	<0.1	0.16	0.1	18	24.6	34	3.8	37.3	4.70	5	<0.1	<0.1	0.208	0.02	0.13	8	33.2	1.13	1106	2.3	
SR20100969	<0.05	2.1	0.37	25.4	86	1	<0.1	2.47	0.2	17	27.6	40	3.1	44.4	5.39	1	0.1	<0.1	0.615	0.01	0.22	9	3.9	0.71	2231	2.9	
SR20100970	<0.05	0.2	0.87	<0.5	51	1	<0.1	0.17	0.1	21	12.6	19	2.8	54.1	4.10	3	0.1	<0.1	0.061	0.01	0.19	13	13.5	0.57	750	0.6	
SR20100971	<0.05	1.1	0.27	9.1	26	<1	0.1	0.30	0.2	20	7.2	101	4.2	13.0	1.62	1	<0.1	<0.1	2.002	0.01	0.15	10	2.6	0.03	475	18.4	
SR20100972	<0.05	0.2	0.34	11.8	23	<1	<0.1	0.20	0.1	7	8.6	46	2.4	18.0	2.99	1	<0.1	<0.1	0.345	0.01	0.17	4	3.8	0.05	640	3.1	
SR20100973	0.06	48.4	1.03	26.0	39	<1	0.2	0.02	2.1	5	10.2	128	0.9	44.0	5.24	5	<0.1	<0.1	0.138	0.11	0.05	2	20.6	0.89	547	439.5	
SR20100974	<0.05	52.4	0.69	51.8	34	<1	0.1	0.05	<0.1	10	2.4	100	2.5	11.2	2.14	2	<0.1	<0.1	0.006	0.01	0.15	5	15.4	0.31	262	201.7	
MS2010009	<0.05	3.4	0.51	14.4	25	1	<0.1	0.14	2.9	8	9.9	81	2.3	327.9	1.58	2	<0.1	<0.1	<0.005	0.01	0.18	3	5.5	0.18	316	3.8	
MS2010010	<0.05	0.3	0.85	<0.5	48	1	<0.1	0.50	0.1	17	6.3	35	3.6	19.6	1.91	3	<0.1	0.1	<0.005	0.01	0.20	9	13.4	0.49	484	3.9	
MS2010011	<0.05	0.6	0.68	3.7	53	1	<0.1	2.49	0.2	14	7.6	44	3.0	27.8	2.67	2	<0.1	<0.1	<0.005	0.01	0.18	6	9.5	0.89	970	9.8	
MS2010012	0.12	0.7	0.96	25.7	19	<1	<0.1	0.12	0.2	7	7.7	112	1.8	19.6	2.53	4	<0.1	<0.1	<0.005	0.01	0.12	3	21.4	0.61	416	13.7	
MS2010013	<0.05	5.1	0.89	11.0	29	<1	0.1	0.09	0.2	8	6.8	189	1.5	6.3	2.33	4	<0.1	<0.1	<0.005	0.01	0.09	3	21.6	0.68	690	74.2	
MS2010014	<0.05	1.2	0.82	4.0	26	<1	0.1	0.08	2.7	6	5.7	113	2.2	73.1	2.15	3	<0.1	0.1	<0.005	0.02	0.08	3	14.2	0.56	666	3.9	
MS2010015	<0.05	0.3	1.20	<0.5	37	<1	<0.1	1.80	0.1	16	7.1	43	1.2	2.3	2.27	4	<0.1	<0.1	<0.005	0.01	0.18	6	23.2	1.03	614	0.5	
Duplicates:																											
*DUP SR20100901	1.19	3.3	0.25	12.9	28	<1	<0.1	0.05	0.2	10	1.0	242	1.8	57.0	0.77	1	<0.1	<0.1	0.007	0.01	0.12	3	5.3	0.08	174	5.5	
*DUP SR20100910	0.05	8.8	0.51	23.5	53	<1	0.1	0.06	0.2	9	3.5	232	4.6	62.4	1.23	2	<0.1	<0.1	0.012	0.01	0.22	2	9.2	0.17	280	142.6	
*DUP SR20100920	<0.05	2.9	0.66	86.3	28	<1	<0.1	0.03	<0.1	4	3.9	98	1.9	25.1	2.71	2	<0.1	<0.1	0.010	0.01	0.18	2	16.1	0.26	259	51.2	
*DUP SR20100923	<0.05	3.1	1.13	17.1	69	<1	0.1	0.11	0.3	6	7.8	115	2.3	56.9	2.83	3	<0.1	<0.1	0.007	0.01	0.12	2	25.1	0.47	688	87.6	
*DUP SR20100932	<0.05	1.6	0.81	21.8	34	<1	<0.1	0.12	0.3	11	4.3	136	7.9	17.2	1.95	3	<0.1	<0.1	0.017	0.01	0.20	3	19.6	0.43	518	21.7	
*DUP SR20100942	<0.05	0.5	0.78	8.9	41	1	<0.1	0.11	1.5	6	13.7	106	2.7	20.0	3.94	2	<0.1	<0.1	0.078	0.02	0.10	2	14.8	0.30	2165	58.8	
*DUP SR20100945	<0.05	<0.1	0.21	0.8	11	<1	<0.1	0.25	0.1	1	1.5	199	0.5	13.2	0.49	1	<0.1	<0.1	0.009	<0.01	0.02	1	2.8	0.13	507	4.4	
*DUP SR20100954	<0.05	2.0	1.44	6.7	20	<1	0.1	0.10	<0.1	6	8.9	57	1.7	17.0	4.32	5	<0.1	<0.1	0.026	0.01	0.21	3	25.1	0.80	625	18.9	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppb	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
SR20100961	0.03	0.1	2.1	0.096	75.3	7.1	17	<0.05	0.7	4.1	<0.5	0.2	10	<0.1	<0.1	0.4	0.013	0.1	0.1	26	0.3	11.1	80	0.8
SR20100962	<0.01	0.1	4.2	0.004	5.2	7.5	7	<0.05	0.4	1.2	<0.5	0.1	3	<0.1	<0.1	<0.1	<0.005	0.2	<0.1	78	<0.1	2.5	18	0.2
SR20100963	0.01	0.1	4.2	0.006	88.6	1.8	<5	<0.05	0.3	1.3	<0.5	0.1	3	<0.1	1.3	0.1	<0.005	<0.1	<0.1	20	0.1	2.1	39	0.4
SR20100964	0.06	0.4	1.2	0.236	9.7	1.2	<5	1.26	0.2	4.8	<0.5	0.6	35	<0.1	0.2	0.7	0.140	<0.1	0.5	67	0.1	10.3	93	5.3
SR20100965	0.02	0.1	16.1	0.087	7.6	13.5	<5	3.30	0.7	6.2	<0.5	0.1	14	<0.1	1.1	0.6	0.116	0.2	0.1	67	0.1	8.2	70	0.9
SR20100966	0.04	0.3	1.9	0.221	6.7	7.2	39	2.28	1.4	6.5	<0.5	0.3	44	<0.1	0.3	0.7	0.248	0.1	0.2	52	0.2	15.0	97	3.2
SR20100967	0.01	0.1	4.8	0.056	73.7	5.0	<5	0.09	1116.4	2.2	<0.5	<0.1	40	<0.1	<0.1	0.3	<0.005	0.1	0.1	17	0.1	4.4	341	0.4
SR20100968	0.01	0.1	20.0	0.078	6.8	11.2	<5	1.02	2.5	4.2	<0.5	<0.1	3	<0.1	1.7	0.5	<0.005	0.1	0.1	54	1.9	8.1	90	0.4
SR20100969	0.01	0.1	22.7	0.027	10.4	15.0	<5	0.76	7.9	4.5	<0.5	<0.1	59	<0.1	2.3	0.3	0.006	0.2	0.2	34	4.3	16.2	99	0.5
SR20100970	0.01	0.1	10.2	0.055	2.6	11.5	<5	<0.05	6.7	2.2	<0.5	<0.1	4	<0.1	<0.1	0.4	0.007	0.1	0.1	33	11.5	11.7	62	0.6
SR20100971	0.01	0.1	5.9	0.070	12.4	12.0	<5	0.47	1.7	1.6	<0.5	0.1	7	<0.1	0.3	1.0	<0.005	0.2	0.4	14	0.4	6.7	43	1.2
SR20100972	0.01	0.1	7.1	0.029	5.8	12.0	<5	0.49	1.9	3.4	<0.5	<0.1	2	<0.1	<0.1	0.3	<0.005	0.1	0.2	29	0.5	5.7	45	0.3
SR20100973	<0.01	0.1	7.5	0.013	529.8	3.4	<5	0.40	6.6	1.8	0.5	0.1	2	<0.1	14.3	0.1	<0.005	0.2	0.1	40	0.2	4.6	592	0.4
SR20100974	0.01	0.1	3.9	0.066	145.3	6.4	70	0.27	1.5	1.7	<0.5	0.1	9	<0.1	21.6	0.3	<0.005	0.2	<0.1	14	0.3	3.6	43	0.8
MS2010009	0.01	<0.1	5.5	0.054	229.5	6.1	9	0.05	0.9	2.1	<0.5	0.1	4	<0.1	0.1	0.2	<0.005	0.1	0.1	9	0.2	4.0	197	0.6
MS2010010	0.01	0.1	3.5	0.069	3.6	10.4	<5	<0.05	0.6	3.1	<0.5	0.1	10	<0.1	<0.1	0.4	0.006	0.1	0.1	14	0.8	11.3	58	1.4
MS2010011	0.01	0.1	4.6	0.048	5.4	11.0	<5	<0.05	1.8	3.3	<0.5	<0.1	60	<0.1	<0.1	0.3	0.006	0.2	0.1	17	2.6	9.7	55	0.9
MS2010012	0.01	0.1	5.6	0.057	6.0	8.3	<5	0.56	0.5	2.4	<0.5	0.1	3	<0.1	<0.1	0.2	<0.005	0.1	0.1	25	0.4	3.7	45	0.4
MS2010013	0.01	0.1	10.3	0.025	64.1	5.3	<5	0.05	1.8	2.5	<0.5	0.1	4	<0.1	0.2	0.1	<0.005	0.4	0.1	38	0.1	3.7	63	0.3
MS2010014	0.02	0.1	4.9	0.020	153.5	5.7	<5	0.15	0.9	2.3	<0.5	0.2	6	<0.1	0.2	0.2	0.008	0.1	0.1	24	0.4	3.5	140	1.4
MS2010015	0.03	<0.1	4.1	0.049	5.5	7.8	<5	0.62	0.1	1.6	<0.5	<0.1	68	<0.1	<0.1	1.2	0.007	0.1	0.2	17	0.1	6.3	58	0.9
Duplicates:																								
*DUP SR20100901	0.01	0.1	4.8	0.007	21.1	8.1	<5	<0.05	1.1	0.7	<0.5	0.1	2	<0.1	<0.1	0.1	<0.005	0.1	<0.1	7	0.1	2.0	12	0.4
*DUP SR20100910	0.01	0.1	5.7	0.017	65.3	20.5	<5	<0.05	3.6	1.7	<0.5	0.1	3	<0.1	0.3	0.1	<0.005	0.5	0.1	40	0.2	3.3	20	0.2
*DUP SR20100920	0.01	0.1	4.0	0.029	29.2	10.4	6	0.32	1.1	2.3	<0.5	0.1	6	<0.1	1.0	0.3	<0.005	0.2	<0.1	20	0.1	2.6	34	0.6
*DUP SR20100923	0.02	<0.1	3.8	0.026	29.0	7.6	<5	<0.05	1.1	1.9	<0.5	0.1	3	<0.1	0.9	0.1	<0.005	0.2	0.1	29	0.1	3.3	56	0.4
*DUP SR20100932	0.01	<0.1	4.6	0.026	9.3	19.2	<5	<0.05	0.7	1.7	<0.5	0.1	3	<0.1	0.1	0.1	<0.005	0.3	0.1	28	0.2	4.0	36	0.3
*DUP SR20100942	0.01	0.1	10.2	0.022	11.5	6.3	<5	0.14	0.9	4.1	<0.5	0.1	7	<0.1	0.1	0.1	<0.005	0.2	<0.1	33	0.6	5.2	138	0.5
*DUP SR20100945	0.01	0.2	4.5	0.002	0.8	0.7	<5	<0.05	<0.1	0.7	<0.5	0.1	7	<0.1	<0.1	<0.1	<0.005	<0.1	<0.1	10	0.1	1.1	7	0.3
*DUP SR20100954	0.01	0.1	4.9	0.072	18.3	13.6	<5	1.36	0.6	3.1	<0.5	0.1	2	<0.1	0.6	0.2	<0.005	0.2	0.1	29	0.3	3.7	69	0.6

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
*DUP SR20100964	<0.05	0.3	1.38	3.8	40	<1	0.1	0.53	<0.1	38	9.1	50	0.1	5.0	3.70	9	<0.1	0.3	<0.005	0.03	0.06	17	16.3	1.11	673	2.1
*DUP SR20100967	<0.05	115.2	1.03	102.3	1278	<1	0.2	0.14	3.5	11	7.6	47	8.0	2932.2	2.40	2	<0.1	<0.1	0.343	0.03	0.15	6	29.4	0.24	723	1.8
*DUP MS2010010	<0.05	0.3	0.90	<0.5	50	1	<0.1	0.53	0.1	18	6.7	36	3.7	20.6	2.00	3	<0.1	0.1	<0.005	0.01	0.20	9	14.7	0.51	506	3.9
Standards:																										
BLANK	<0.05	<0.1	<0.01	<0.5	<1	<1	<0.1	<0.01	<0.1	<1	<0.1	<1	<0.1	<0.1	<0.01	<1	<0.1	<0.1	<0.005	<0.01	<0.01	<1	<0.1	<0.01	<1	0.1
CH-4	0.39	1.9	1.49	6.8	239	<1	0.5	0.48	1.1	24	19.6	92	2.1	2020.7	4.10	8	<0.1	0.3	<0.005	0.09	1.17	12	10.5	0.99	295	3.0

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 0V1614RX

Date : Oct-20-10

Sample type : ROCK

St.Elias Mines

Project : Rock Samples

Attention : James Thom

ICP-MS Report

Aqua Regia Digestion

Sample Number	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Rb ppm	Re ppb	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
*DUP SR20100964	0.06	0.3	1.1	0.223	7.6	1.1	<5	1.17	0.2	4.8	<0.5	0.5	34	<0.1	0.2	0.7	0.142	<0.1	0.5	63	0.1	10.1	86	5.7
*DUP SR20100967	0.01	<0.1	4.8	0.058	73.5	4.8	<5	0.10	1126.4	2.2	<0.5	<0.1	39	<0.1	<0.1	0.3	<0.005	0.1	0.1	18	0.1	4.4	342	0.4
*DUP MS2010010	0.01	0.1	3.7	0.074	3.4	11.0	<5	<0.05	1.2	3.3	<0.5	0.1	11	<0.1	<0.1	0.4	0.007	0.1	0.1	14	0.8	11.9	63	1.5
Standards:																								
BLANK	<0.01	0.1	<0.1	<0.001	0.1	<0.1	<5	<0.05	<0.1	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<0.005	<0.1	<0.1	<2	0.1	<0.1	<1	0.1
CH-4	0.04	0.3	42.5	0.052	7.8	62.7	<5	0.55	0.2	6.2	0.8	0.6	7	<0.1	0.4	1.8	0.182	0.3	0.3	67	2.0	4.9	194	11.4

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 90 min and diluted to 25 ml.



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1614-RM1

Company: **St.Elias Mines**
Project: **Rock Samples**
Attn: **James Thom**

Oct-20-10

We hereby certify the following analysis of 4 rock samples
submitted Sep-22-10

Sample Name	Wt Total g	Wt +150 g	+150 Au mg	-150 Au g/tonne	Metallic Au g/tonne	Net Au g/tonne
SR20100901	447.4	34.35	0.097	2.16	0.22	2.21
SR20100904	397.0	1.33	<0.001	0.50	<0.01	0.50
SR20100909	434.8	1.64	<0.001	0.17	<0.01	0.17
MS20100012	412.7	4.35	<0.001	0.23	<0.01	0.23
SR20100921	506.6	4.17	0.006	0.12	0.01	0.13
SR20100924	516.9	4.48	<0.001	0.20	<0.01	0.20
SR20100934	525.7	5.18	0.074	2.38	0.14	2.50
SR20100935	517.3	6.96	0.001	0.15	<0.01	0.15
SR20100958	503.3	8.51	0.002	0.17	<0.01	0.17
SR20100963	514.9	5.90	0.017	3.75	0.03	3.74

Certified by



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8282 Sherbrooke Street
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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG1

Company: **St. Elias Mines**

Oct-21-10

Project: **SOIL**

Attn: **James Thom**

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4800N 2350E	8
4800N 2375E	4
4800N 2400E	<2
4800N 2425E	4
4800N 2450E	93
4800N 2475E	4
4800N 2500E	2
4800N 2525E	3
4800N 2550E	46
4800N 2575E	10
4800N 2600E	7
4800N 2625E	2
4800N 2650E	2
4800N 2675E	36
4800N 2700E	3
4800N 2725E	4
4800N 2750E (N.R.)	
4800N 2775E (N.R.)	
4800N 2800E	5
4800N 2825E	4
4800N 2850E	4
4800N 2875E	4
*GS-2E	1561
*BLANK	<2

Au 15g FA AA Finish.

Certified by



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG2

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-21-10

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4800N 2900E	<2
4800N 2925E	<2
4800N 2950E	2
4800N 2975E	18
4800N 3000E (NR)	
4800N 3025E	13
4800N 3050E	<2
4800N 3075E	<2
4800N 3100E	<2
4800N 3125E	3
4800N 3150E	2
4800N 3175E	11
4800N 3200E (NR)	
4800N 3225E	4
4800N 3250E	13
4800N 3275E	4
4800N 3300E	2
4800N 3325E	22
4800N 3350E	2
4800N 3375E	3
4800N 3400E	35
4800N 3425E	3
*GS-2E	1660
*BLANK	<2

Au 15 g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG3

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-21-10

We hereby certify the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4800N 3450E	24
4800N 3475E	2
4800N 3500E	6
4800N 3525E	4
4800N 3550E	4
4800N 3575E	4
4800N 3600E	6
4800N 3625E	3
4800N 3650E	2
4800N 3675E	5
4800N 3700E	<2
4800N 3725E	<2
4800N 3750E	6
4800N 3775E	2
4800N 3800E	3
4800N 3825E	5
4800N 3850E	5
4750N 2350E	2
4750N 2375E	<2
4750N 2400E	3
4750N 2425E	3
4750N 2450E	<2
*GS-1F	1206
*BLANK	<2

Au 15 g FA AA Finish.

Certified by _____



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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG4

Company: **St. Elias Mines**

Oct-21-10

Project: **SOIL**

Attn: **James Thom**

We hereby certify the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4750N 2475E	16
4750N 2500E	<2
4750N 2525E	3
4750N 2550E	2
4750N 2575E	6
4750N 2600E	2
4750N 2625E	2
4750N 2650E	2
4750N 2675E	2
4750N 2700E	2
4750N 2725E	<2
4750N 2750E	3
4750N 2775E	2
4750N 2800E	<2
4750N 2825E	7
4750N 2850E	7
4750N 2875E	2
4750N 2900E	2
4750N 2925E	<2
4750N 2950E	2
4750N 2975E	<2
4750N 3000E	3
*GS-1F	1282
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
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Vancouver, British Columbia
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T: (604) 327-3436
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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG5

Company: **St. Elias Mines**

Oct-21-10

Project: **SOIL**

Attn: **James Thom**

We hereby certify the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4750N 3025E	4
4750N 3050E	<2
4750N 3075E	<2
4750N 3100E	<2
4750N 3125E	<2
4750N 3150E	<2
4750N 3175E	<2
4750N 3200E	<2
4750N 3225E (NR)	
4750N 3250E	3
4750N 3275E	<2
4750N 3300E	2
4750N 3325E	<2
4750N 3350E	17
4750N 3375E	<2
4750N 3400E	<2
4750N 3425E	2
4750N 3450E	<2
4750N 3475E	<2
4750N 3500E	2
4750N 3525E	<2
4750N 3550E	2
*GS-2E	1442
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Geochemical Analysis Certificate

0V-1615-SG6

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-21-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4750N 3575E	2
4750N 3600E	7
4750N 3625E	<2
4750N 3650E	<2
4750N 3675E	<2
4750N 3700E (NR)	
4750N 3725E	11
4750N 3750E	7
4750N 3775E	2
4750N 3800E	2
4750N 3825E	2
4750N 3850E	35
4700N 2350E	11
4700N 2375E	6
4700N 2400E	4
4700N 2425E	5
4700N 2450E	2
4700N 2475E	4
4700N 2500E	5
4700N 2525E	4
4700N 2550E	4
4700N 2575E	2
*GS-2E	1618
*BLANK	<2

Au 15 g FA AA Finish.

Certified by _____



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F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG7

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-21-10

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4700N 2600E	<2
4700N 2625E	12
4700N 2650E	30
4700N 2675E	87
4700N 2700E	<2
4700N 2725E	48
4700N 2750E	6
4700N 2775E	6
4700N 2800E	10
4700N 2825E	2
4700N 2850E	<2
4700N 2875E	18
4700N 2900E	<2
4700N 2925E	<2
4700N 2950E	10
4700N 2975E	<2
4700N 3000E	2
4700N 3025E	2
4700N 3050E	3
4700N 3075E	2
4700N 3100E	<2
4700N 3125E	2
*GS-1F	1078
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____

*Quality Assaying for over 35 Years***Geochemical Analysis Certificate****0V-1615-SG8**Company: **St. Elias Mines**Project: **SOIL**Attn: **James Thom****Oct-21-10**

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4700N 3150E	2
4700N 3175E	6
4700N 3200E	<2
4700N 3225E	2
4700N 3250E	<2
4700N 3275E	<2
4700N 3300E	62
4700N 3325E	13
4700N 3350E	<2
4700N 3375E	<2
4700N 3400E	2
4700N 3425E	2
4700N 3450E	<2
4700N 3475E	14
4700N 3500E	<2
4700N 3525E	<2
4700N 3550E	<2
4700N 3575E	10
4700N 3600E	5
4700N 3625E	8
4700N 3650E	3
4700N 3675E	2
*GS-1F	1216
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG9

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-21-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4700N 3700E	12
4700N 3725E	8
4700N 3750E	2
4700N 3775E	4
4700N 3800E	3
4700N 3825E	3
4700N 3850E	2
4650N(A) 2350E	5
4650N(B) 2350E	3
4650N(A) 2375E	2
4650N(B) 2375E	<2
4650N 2400E	3
4650N 2425E	<2
4650N 2450E	5
4650N 2475E	4
4650N 2500E	3
4650N 2525E	7
4650N 2550E	<2
4650N 2575E	6
4650N 2600E	<2
4650N 2625E	3
4650N 2650E	5
*GS-1F	1245
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1615-SG10

Company: **St. Elias Mines**

Project: **SOIL**

Attn: **James Thom**

Oct-21-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4650N 2675E	5
4650N 2700E	7
4650N 2725E	2
4650N 2750E	2
*GS-1F	1235
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1615SJ

Date : Oct-21-10

St. Elias Mines

Project : SOIL

Sample type : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4800N 2350E	<0.2	3.05	18	30	<0.5	<5	0.09	<1	6	14	45	4.73	<1	0.03	<10	0.31	644	4	0.01	5	0.053	11	0.06	<5	3	4	<5	0.08	<10	<10	107	<10	32	1
4800N 2375E	<0.2	1.81	9	40	<0.5	<5	0.12	<1	7	11	14	3.10	<1	0.05	<10	0.49	424	<2	0.01	6	0.044	8	0.03	<5	2	6	<5	0.07	<10	<10	61	<10	48	1
4800N 2400E	<0.2	1.00	<5	42	<0.5	<5	0.07	<1	1	5	3	1.28	<1	0.04	<10	0.13	121	<2	0.01	2	0.021	9	0.02	<5	1	5	<5	0.08	<10	<10	37	<10	15	<1
4800N 2425E	<0.2	1.85	6	23	<0.5	<5	0.08	<1	3	11	7	2.93	<1	0.03	<10	0.27	197	<2	0.01	4	0.029	6	0.03	<5	2	5	<5	0.09	<10	<10	55	<10	27	1
4800N 2450E	0.6	1.09	<5	25	<0.5	<5	0.06	<1	2	25	7	1.64	<1	0.06	<10	0.16	177	<2	0.02	3	0.075	17	0.08	<5	<1	4	<5	0.04	<10	<10	34	<10	19	<1
4800N 2475E	<0.2	1.82	<5	58	<0.5	<5	0.19	<1	6	14	15	1.73	<1	0.03	<10	0.49	385	<2	0.01	7	0.029	5	0.04	<5	5	7	<5	0.06	<10	<10	41	<10	36	<1
4800N 2500E	0.2	0.99	<5	31	<0.5	<5	0.10	<1	1	5	7	1.62	<1	0.02	<10	0.10	87	<2	0.01	3	0.028	7	0.03	<5	1	6	<5	0.07	<10	<10	42	<10	12	<1
4800N 2525E	<0.2	1.19	<5	15	<0.5	<5	0.08	<1	4	8	3	1.50	<1	0.02	<10	0.33	231	<2	0.01	4	0.015	5	0.02	<5	2	5	<5	0.07	<10	<10	34	<10	26	<1
4800N 2550E	<0.2	1.83	6	19	<0.5	<5	0.06	<1	5	9	7	2.98	<1	0.02	<10	0.36	373	<2	0.01	4	0.034	5	0.03	<5	2	4	<5	0.08	<10	<10	56	<10	34	1
4800N 2575E	0.2	2.39	11	57	<0.5	<5	0.09	<1	8	13	19	3.48	<1	0.06	<10	0.53	556	<2	0.01	8	0.037	7	0.03	<5	3	5	<5	0.06	<10	<10	60	<10	55	<1
4800N 2600E	<0.2	0.43	<5	14	<0.5	<5	0.04	<1	<1	3	1	0.61	<1	0.02	<10	0.03	49	<2	0.01	<1	0.010	5	0.01	<5	1	4	<5	0.07	<10	<10	20	<10	8	<1
4800N 2625E	<0.2	2.33	10	37	<0.5	<5	0.08	<1	7	13	15	3.45	<1	0.05	<10	0.54	412	<2	0.01	7	0.023	7	0.02	<5	4	6	<5	0.09	<10	<10	62	<10	52	1
4800N 2650E	<0.2	4.61	14	36	<0.5	<5	0.05	<1	4	17	13	6.08	<1	0.04	<10	0.30	246	<2	0.01	4	0.090	8	0.05	<5	6	4	<5	0.10	<10	<10	103	<10	42	8
4800N 2675E	<0.2	2.36	<5	20	<0.5	<5	0.08	<1	3	14	22	0.77	<1	0.03	<10	0.21	193	<2	0.01	4	0.233	6	0.19	<5	<1	4	<5	0.01	<10	<10	16	<10	14	<1
4800N 2700E	<0.2	1.47	7	15	<0.5	<5	0.15	<1	5	11	17	2.56	<1	0.02	<10	0.39	336	<2	0.01	5	0.041	4	0.02	<5	3	5	<5	0.08	<10	<10	59	<10	35	1
4800N 2725E	<0.2	0.74	<5	25	<0.5	<5	0.07	<1	1	4	2	0.73	<1	0.02	<10	0.06	59	<2	0.01	1	0.020	11	0.02	<5	1	5	<5	0.12	<10	<10	30	<10	7	<1
4800N 2750E	<0.2	2.18	8	24	<0.5	<5	0.06	<1	3	13	10	5.47	<1	0.02	<10	0.23	271	<2	0.01	4	0.039	8	0.04	<5	2	4	<5	0.15	<10	<10	100	<10	25	1
4800N 2775E	<0.2	2.05	<5	21	<0.5	<5	0.10	<1	9	12	7	3.74	<1	0.03	<10	0.67	497	<2	0.01	7	0.025	6	0.02	<5	3	5	<5	0.16	<10	<10	99	<10	36	1
4800N 2800E	<0.2	2.10	5	30	<0.5	<5	0.08	<1	5	11	9	2.39	<1	0.04	<10	0.46	331	<2	0.01	6	0.022	6	0.02	<5	3	5	<5	0.07	<10	<10	52	<10	39	<1
4800N 2825E	<0.2	1.70	5	28	<0.5	<5	0.05	<1	4	9	7	2.67	<1	0.04	<10	0.36	263	<2	0.01	5	0.030	7	0.03	<5	2	4	<5	0.07	<10	<10	65	<10	36	<1
4800N 2850E	<0.2	2.14	6	22	<0.5	<5	0.06	<1	4	11	12	2.27	<1	0.02	<10	0.35	304	<2	0.01	4	0.031	3	0.02	<5	3	5	<5	0.07	<10	<10	44	<10	36	<1
4800N 2875E	<0.2	2.27	6	23	<0.5	<5	0.05	<1	5	11	14	2.40	<1	0.02	<10	0.38	320	<2	0.01	5	0.033	4	0.03	<5	3	4	<5	0.07	<10	<10	48	<10	38	1
4800N 2900E	<0.2	2.41	11	17	<0.5	<5	0.07	<1	7	12	16	3.22	1	0.02	<10	0.37	538	<2	0.01	4	0.037	5	0.03	<5	4	5	<5	0.08	<10	<10	53	<10	32	2
4800N 2925E	<0.2	0.88	<5	28	<0.5	<5	0.06	<1	2	5	2	1.68	1	0.02	<10	0.18	136	<2	0.01	2	0.022	5	0.02	<5	1	5	<5	0.08	<10	<10	45	<10	16	<1
4800N 2950E	<0.2	1.66	6	19	<0.5	<5	0.06	<1	4	11	9	2.85	1	0.03	<10	0.34	303	<2	0.01	4	0.030	5	0.03	<5	2	5	<5	0.08	<10	<10	51	<10	30	1
4800N 2975E	0.8	2.67	<5	17	<0.5	<5	0.04	<1	2	11	17	0.55	<1	0.03	11	0.08	112	<2	0.02	3	0.175	3	0.17	<5	1	3	<5	0.02	<10	<10	13	<10	9	<1
4800N 3025E	0.5	1.55	<5	20	<0.5	<5	0.06	<1	2	9	3	1.16	<1	0.04	<10	0.11	137	<2	0.01	2	0.117	4	0.11	<5	<1	4	<5	0.02	<10	<10	19	<10	10	<1
4800N 3050E	<0.2	1.74	<5	25	<0.5	<5	0.08	<1	4	9	4	1.43	1	0.02	<10	0.40	230	<2	0.01	4	0.027	3	0.03	<5	2	6	<5	0.06	<10	<10	29	<10	31	1
4800N 3075E	0.4	1.28	<5	45	<0.5	<5	0.09	<1	4	7	6	1.59	<1	0.03	<10	0.29	260	<2	0.01	4	0.047	6	0.05	<5	1	8	<5	0.05	<10	<10	34	<10	26	<1
4800N 3100E	0.4	3.33	12	40	0.9	<5	0.14	<1	3	16	113	1.75	<1	0.03	20	0.25	219	<2	0.01	5	0.131	12	0.12	<5	1	9	<5	0.03	<10	<10	31	<10	21	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

Report No : 0V1615SJ

T: (604) 327-3436 F: (604) 327-3423

Date : Oct-21-10

St. Elias Mines

Project : SOIL

Sample type : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4800N 3125E	<0.2	1.40	<5	30	<0.5	<5	0.07	<1	4	8	6	1.79	<1	0.04	<10	0.40	246	<2	0.01	5	0.027	5	0.02	<5	1	5	<5	0.05	<10	<10	36	<10	34	<1
4800N 3150E	<0.2	1.86	6	26	<0.5	<5	0.05	<1	4	9	7	3.87	<1	0.02	<10	0.22	300	<2	0.01	3	0.063	6	0.02	<5	2	4	<5	0.10	<10	<10	72	<10	28	<1
4800N 3175E	0.3	1.46	<5	46	<0.5	<5	0.05	<1	3	20	8	1.77	<1	0.11	<10	0.17	176	<2	0.02	4	0.096	6	0.06	<5	<1	5	<5	0.02	<10	<10	21	<10	24	<1
4800N 3225E	<0.2	0.60	<5	38	<0.5	<5	0.08	<1	1	3	1	0.77	1	0.03	<10	0.09	71	<2	0.01	1	0.010	6	0.01	<5	1	5	<5	0.07	<10	<10	31	<10	10	<1
4800N 3250E	<0.2	1.21	<5	30	<0.5	<5	0.10	<1	4	8	4	1.52	<1	0.03	<10	0.40	234	<2	0.01	5	0.024	6	0.02	<5	2	6	<5	0.05	<10	<10	31	<10	31	<1
4800N 3275E	<0.2	2.21	5	49	<0.5	<5	0.09	<1	5	14	9	1.44	<1	0.05	<10	0.43	230	<2	0.01	8	0.048	5	0.04	<5	2	5	<5	0.03	<10	<10	33	<10	37	<1
4800N 3300E	<0.2	2.10	7	23	<0.5	<5	0.07	<1	3	11	10	2.81	<1	0.02	<10	0.22	226	<2	0.01	3	0.038	3	0.04	<5	2	5	<5	0.08	<10	<10	46	<10	22	1
4800N 3325E	0.7	1.87	6	34	<0.5	<5	0.06	<1	4	8	9	2.45	<1	0.06	<10	0.20	406	<2	0.01	4	0.093	6	0.10	<5	1	4	<5	0.04	<10	<10	51	<10	27	<1
4800N 3350E	0.7	1.94	6	36	<0.5	<5	0.06	<1	5	9	9	2.57	<1	0.06	<10	0.21	418	<2	0.01	4	0.101	6	0.11	<5	1	4	<5	0.04	<10	<10	54	<10	29	<1
4800N 3375E	<0.2	0.41	<5	15	<0.5	<5	0.03	<1	1	10	1	0.78	<1	0.02	<10	0.05	35	<2	0.01	2	0.012	6	0.01	<5	1	3	<5	0.05	<10	<10	30	<10	7	<1
4800N 3400E	0.3	1.11	<5	72	0.8	<5	0.25	13	1	3	6	0.32	<1	0.04	13	0.03	61	<2	0.01	2	0.253	4	0.25	<5	<1	6	<5	0.01	<10	<10	4	<10	6	<1
4800N 3425E	<0.2	1.49	<5	22	<0.5	<5	0.06	<1	3	9	9	1.90	<1	0.02	<10	0.24	184	<2	0.01	3	0.023	4	0.02	<5	1	4	<5	0.07	<10	<10	39	<10	22	<1
4800N 3450E	<0.2	1.78	5	32	<0.5	<5	0.04	<1	4	9	8	3.19	<1	0.02	<10	0.26	281	<2	0.01	4	0.037	5	0.03	<5	1	3	<5	0.05	<10	<10	50	<10	29	<1
4800N 3475E	<0.2	1.03	<5	47	<0.5	<5	0.16	<1	3	7	6	1.25	<1	0.04	<10	0.28	210	<2	0.01	3	0.027	7	0.02	<5	1	7	<5	0.05	<10	<10	33	<10	24	<1
4800N 3500E	0.3	0.87	<5	27	<0.5	<5	0.05	<1	3	4	5	1.32	<1	0.03	<10	0.15	283	<2	0.01	2	0.046	6	0.03	<5	1	3	<5	0.04	<10	<10	28	<10	14	<1
4800N 3525E	0.2	1.32	<5	38	<0.5	<5	0.06	<1	3	8	5	2.60	<1	0.03	<10	0.14	480	<2	0.01	2	0.043	7	0.04	<5	1	4	<5	0.06	<10	<10	58	<10	21	<1
4800N 3550E	0.5	1.81	<5	57	<0.5	<5	0.20	<1	3	8	8	1.99	<1	0.03	<10	0.27	202	<2	0.01	4	0.087	5	0.08	<5	<1	7	<5	0.03	<10	<10	32	<10	33	<1
4800N 3575E	0.3	3.85	7	49	1.0	<5	0.22	3	12	16	49	2.77	<1	0.04	11	0.39	1611	2	0.01	7	0.099	302	0.07	<5	2	8	<5	0.03	<10	<10	41	<10	378	1
4800N 3600E	0.6	1.37	<5	31	<0.5	<5	0.09	<1	4	9	12	1.73	<1	0.03	<10	0.32	255	<2	0.01	5	0.040	226	0.04	<5	1	5	<5	0.05	<10	<10	36	<10	91	<1
4800N 3625E	0.3	1.83	6	32	<0.5	<5	0.10	<1	5	12	15	2.28	<1	0.04	<10	0.42	311	<2	0.01	7	0.042	96	0.03	<5	2	6	<5	0.05	<10	<10	42	<10	57	<1
4800N 3650E	0.7	1.39	<5	20	<0.5	<5	0.03	1	<1	11	10	0.09	<1	0.02	<10	0.01	9	<2	0.01	2	0.193	4	0.19	<5	<1	2	<5	0.01	<10	<10	3	<10	4	<1
4800N 3675E	0.4	1.83	<5	19	<0.5	<5	0.06	<1	3	11	9	2.26	<1	0.03	<10	0.28	239	<2	0.01	3	0.086	11	0.06	<5	<1	3	<5	0.04	<10	<10	38	<10	31	1
4800N 3700E	<0.2	1.40	<5	37	<0.5	<5	0.27	1	10	37	10	3.19	1	0.08	<10	0.81	1149	<2	0.02	8	0.086	16	0.06	<5	2	9	<5	0.06	<10	<10	53	<10	73	1
4800N 3725E	0.3	1.63	<5	25	<0.5	<5	0.06	<1	2	9	6	1.26	<1	0.04	<10	0.18	148	<2	0.01	3	0.069	17	0.05	<5	<1	5	<5	0.05	<10	<10	32	<10	29	<1
4800N 3750E	<0.2	1.37	7	22	<0.5	<5	0.12	<1	6	11	12	3.10	<1	0.03	<10	0.43	513	<2	0.01	4	0.054	7	0.04	<5	2	6	<5	0.07	<10	<10	61	<10	41	1
4800N 3775E	0.5	1.88	8	34	<0.5	<5	0.04	<1	6	11	10	4.00	<1	0.05	<10	0.19	1228	3	0.01	4	0.094	17	0.07	<5	1	4	<5	0.06	<10	<10	79	<10	27	<1
4800N 3800E	0.2	1.65	<5	21	<0.5	<5	0.04	<1	3	9	4	2.47	<1	0.02	<10	0.17	171	<2	0.01	3	0.039	6	0.03	<5	1	3	<5	0.05	<10	<10	49	<10	22	<1
4800N 3825E	0.3	2.73	7	31	<0.5	<5	0.06	<1	6	14	21	2.70	<1	0.03	12	0.54	287	<2	0.01	8	0.048	6	0.05	<5	4	5	<5	0.09	<10	<10	53	<10	36	2
4800N 3850E	0.3	3.34	<5	34	<0.5	<5	0.05	<1	5	15	7	2.85	<1	0.03	<10	0.47	315	<2	0.01	6	0.045	5	0.04	<5	3	4	<5	0.08	<10	<10	51	<10	48	1
4750N 2350E	<0.2	1.58	6	33	<0.5	<5	0.04	<1	3	9	7	2.13	<1	0.03	<10	0.26	187	<2	0.01	4	0.030	8	0.03	<5	1	4	<5	0.07	<10	<10	51	<10	27	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

Report No : 0V1615SJ

T: (604) 327-3436 F: (604) 327-3423

Date : Oct-21-10

St. Elias Mines

Sample type : SOIL

Project : SOIL

Multi-Element ICP-AES Analysis

Attention : James Thom

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4750N 2375E	0.2	1.12	<5	29	<0.5	<5	0.05	<1	3	8	5	1.71	<1	0.03	<10	0.19	197	<2	0.01	3	0.036	7	0.03	<5	1	5	<5	0.07	<10	<10	43	<10	21	<1
4750N 2400E	0.2	2.03	9	32	<0.5	<5	0.08	<1	6	10	11	4.20	<1	0.04	<10	0.44	429	<2	0.01	5	0.044	6	0.03	<5	2	5	<5	0.09	<10	<10	74	<10	44	1
4750N 2425E	0.2	1.28	8	34	<0.5	<5	0.07	<1	5	9	10	3.09	<1	0.05	<10	0.40	305	<2	0.01	5	0.040	7	0.03	<5	2	5	<5	0.06	<10	<10	53	<10	37	<1
4750N 2450E	<0.2	1.08	<5	30	<0.5	<5	0.06	<1	2	7	3	1.80	<1	0.03	<10	0.15	159	<2	0.01	2	0.026	8	0.02	<5	1	5	<5	0.11	<10	<10	51	<10	18	<1
4750N 2475E	<0.2	1.71	6	24	<0.5	<5	0.08	<1	5	9	6	2.32	1	0.03	<10	0.38	356	<2	0.01	4	0.059	6	0.03	<5	2	5	<5	0.07	<10	<10	52	<10	35	1
4750N 2500E	<0.2	2.28	11	27	<0.5	<5	0.06	<1	5	11	10	3.60	1	0.03	<10	0.39	662	<2	0.01	5	0.061	7	0.06	<5	1	4	<5	0.08	<10	<10	62	<10	39	1
4750N 2525E	<0.2	0.69	<5	17	<0.5	<5	0.05	<1	1	5	3	1.09	1	0.03	<10	0.08	80	<2	0.01	1	0.045	7	0.04	<5	1	4	<5	0.08	<10	<10	30	<10	12	1
4750N 2550E	1.1	1.96	<5	10	<0.5	<5	0.03	1	3	8	8	0.42	<1	0.04	<10	0.04	32	<2	0.01	2	0.235	<2	0.23	<5	1	2	<5	0.01	<10	<10	6	<10	10	1
4750N 2575E	<0.2	2.37	8	43	<0.5	<5	0.20	<1	5	11	12	2.46	1	0.02	<10	0.41	351	<2	0.01	5	0.066	4	0.02	<5	3	8	<5	0.06	<10	<10	51	<10	42	<1
4750N 2600E	<0.2	0.72	<5	42	<0.5	<5	0.11	<1	2	3	2	1.71	<1	0.03	<10	0.13	177	<2	0.01	1	0.027	5	0.02	<5	1	8	<5	0.06	<10	<10	37	<10	14	<1
4750N 2625E	<0.2	2.03	6	26	<0.5	<5	0.06	<1	4	12	11	3.08	1	0.02	<10	0.35	255	<2	0.01	4	0.076	5	0.04	<5	3	5	<5	0.09	<10	<10	65	<10	34	1
4750N 2650E	<0.2	1.82	<5	33	<0.5	<5	0.09	<1	8	13	22	2.71	<1	0.05	<10	0.58	814	<2	0.01	7	0.149	9	0.06	<5	1	6	<5	0.09	<10	<10	91	<10	38	1
4750N 2675E	<0.2	1.72	6	20	<0.5	<5	0.04	<1	3	9	6	3.73	<1	0.03	<10	0.23	343	<2	0.01	3	0.070	7	0.04	<5	2	4	<5	0.12	<10	<10	65	<10	26	1
4750N 2700E	0.2	1.29	<5	20	<0.5	<5	0.05	<1	2	6	5	1.72	<1	0.04	<10	0.15	176	<2	0.01	3	0.064	6	0.06	<5	1	5	<5	0.08	<10	<10	40	<10	20	1
4750N 2725E	<0.2	2.01	<5	45	<0.5	<5	0.11	<1	8	11	4	1.93	<1	0.03	<10	0.78	397	<2	0.01	7	0.045	5	0.06	<5	2	5	<5	0.03	<10	<10	44	<10	53	1
4750N 2750E	<0.2	3.84	12	44	<0.5	<5	0.05	<1	7	19	18	6.29	1	0.05	<10	0.53	370	<2	0.01	6	0.029	7	0.03	<5	7	4	<5	0.13	<10	<10	111	<10	48	7
4750N 2775E	<0.2	2.07	7	23	<0.5	<5	0.05	<1	3	11	7	3.99	<1	0.02	<10	0.19	165	<2	0.01	2	0.052	6	0.02	<5	3	4	<5	0.09	<10	<10	83	<10	28	3
4750N 2800E	<0.2	2.70	<5	27	<0.5	<5	0.05	<1	3	11	7	1.81	<1	0.03	<10	0.27	132	<2	0.01	4	0.048	6	0.04	<5	3	3	<5	0.06	<10	<10	36	<10	24	1
4750N 2825E	<0.2	1.84	10	38	<0.5	<5	0.07	<1	3	8	5	1.77	<1	0.03	<10	0.30	189	<2	0.01	3	0.055	8	0.05	<5	1	7	<5	0.04	<10	<10	52	<10	27	<1
4750N 2850E	<0.2	3.00	9	39	<0.5	<5	0.05	<1	4	15	10	3.45	<1	0.11	<10	0.51	404	<2	0.01	5	0.052	5	0.05	<5	4	4	<5	0.11	<10	<10	69	<10	35	2
4750N 2875E	<0.2	1.66	<5	21	<0.5	<5	0.05	<1	1	7	5	1.14	<1	0.02	<10	0.14	97	<2	0.01	2	0.035	6	0.03	<5	1	5	<5	0.06	<10	<10	34	<10	14	1
4750N 2900E	<0.2	3.27	11	55	<0.5	<5	0.13	<1	7	16	33	2.31	<1	0.08	12	0.63	379	<2	0.01	9	0.094	9	0.05	<5	5	8	<5	0.05	<10	<10	55	<10	70	2
4750N 2925E	0.7	2.00	9	48	<0.5	<5	0.09	<1	14	21	15	3.47	<1	0.09	<10	0.35	1497	<2	0.02	4	0.079	10	0.05	<5	1	7	<5	0.05	<10	<10	67	<10	39	<1
4750N 2950E	0.3	1.86	5	39	<0.5	<5	0.15	<1	16	10	8	3.74	<1	0.05	<10	0.10	4106	<2	0.01	2	0.140	8	0.11	<5	<1	6	<5	0.03	<10	<10	71	<10	25	<1
4750N 2975E	<0.2	2.00	8	27	<0.5	<5	0.07	<1	8	13	13	3.39	<1	0.04	<10	0.57	534	<2	0.01	7	0.054	9	0.03	<5	2	5	<5	0.10	<10	<10	66	<10	54	1
4750N 3000E	<0.2	2.57	24	34	<0.5	<5	0.36	<1	8	13	13	3.11	1	0.03	<10	0.47	763	2	0.01	5	0.084	7	0.05	<5	2	12	<5	0.05	<10	<10	55	<10	43	<1
4750N 3025E	<0.2	2.09	6	15	<0.5	<5	0.05	<1	2	9	6	3.03	<1	0.02	<10	0.14	261	<2	0.01	2	0.031	7	0.02	<5	3	4	<5	0.08	<10	<10	66	<10	18	<1
4750N 3050E	<0.2	1.98	6	26	<0.5	<5	0.09	<1	4	8	11	2.80	<1	0.03	<10	0.31	288	<2	0.01	4	0.048	3	0.04	<5	2	5	<5	0.07	<10	<10	51	<10	39	1
4750N 3075E	0.3	1.39	<5	37	<0.5	<5	0.20	<1	10	12	9	2.67	<1	0.07	<10	0.37	960	<2	0.01	4	0.086	5	0.10	<5	1	5	<5	0.08	<10	<10	46	<10	68	<1
4750N 3100E	0.3	1.19	<5	49	0.5	<5	0.53	<1	2	8	3	0.58	<1	0.02	<10	0.03	85	<2	0.02	2	0.233	<2	0.23	<5	1	22	<5	0.01	<10	<10	8	<10	5	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

Report No : 0V1615SJ

T: (604) 327-3436 F: (604) 327-3423

Date : Oct-21-10

St. Elias Mines

Project : SOIL

Sample type : SOIL

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4750N 3125E	<0.2	0.62	<5	18	<0.5	<5	0.05	<1	1	4	3	0.27	<1	0.02	<10	0.04	36	<2	0.01	1	0.035	8	0.04	<5	1	5	<5	0.07	<10	<10	14	<10	7	<1
4750N 3150E	<0.2	1.36	5	19	<0.5	<5	0.10	<1	4	8	5	2.12	1	0.02	<10	0.34	262	<2	0.01	3	0.028	5	0.01	<5	2	7	<5	0.09	<10	<10	44	<10	31	<1
4750N 3175E	<0.2	1.53	5	15	<0.5	<5	0.07	<1	4	9	7	2.48	<1	0.02	<10	0.35	240	<2	0.01	3	0.020	4	0.01	<5	2	6	<5	0.08	<10	<10	50	<10	29	1
4750N 3200E	<0.2	0.71	<5	21	<0.5	<5	0.05	<1	1	4	3	0.89	<1	0.02	<10	0.09	68	<2	0.01	1	0.026	8	0.02	<5	1	4	<5	0.08	<10	<10	35	<10	10	<1
4750N 3250E	<0.2	0.37	<5	30	<0.5	<5	0.05	<1	1	2	1	0.68	<1	0.03	<10	0.03	52	<2	0.01	<1	0.011	3	0.01	<5	1	6	<5	0.04	<10	<10	21	<10	6	<1
4750N 3275E	<0.2	1.19	<5	31	<0.5	<5	0.25	<1	4	8	4	1.80	1	0.03	<10	0.33	202	<2	0.01	4	0.021	9	0.02	<5	2	7	<5	0.07	<10	<10	43	<10	32	<1
4750N 3300E	<0.2	1.81	7	63	<0.5	<5	0.11	<1	6	12	12	2.51	<1	0.07	<10	0.58	375	<2	0.01	9	0.043	5	0.03	<5	2	8	<5	0.05	<10	<10	46	<10	56	<1
4750N 3325E	<0.2	3.07	9	67	0.5	<5	0.11	<1	9	18	17	2.91	<1	0.09	<10	0.80	421	<2	0.01	11	0.070	6	0.05	<5	3	7	<5	0.05	<10	<10	65	<10	66	<1
4750N 3350E	<0.2	2.39	6	42	<0.5	<5	0.10	<1	5	11	8	2.24	<1	0.05	<10	0.45	311	<2	0.01	6	0.041	4	0.03	<5	2	6	<5	0.05	<10	<10	42	<10	44	<1
4750N 3375E	0.3	1.74	6	65	<0.5	<5	0.12	<1	6	10	10	2.22	<1	0.07	<10	0.46	369	<2	0.01	6	0.036	6	0.03	<5	2	7	<5	0.05	<10	<10	50	<10	48	<1
4750N 3400E	<0.2	2.16	7	93	<0.5	<5	0.16	<1	4	11	6	3.39	<1	0.03	<10	0.31	238	<2	0.01	4	0.036	5	0.03	<5	2	8	<5	0.07	<10	<10	61	<10	35	<1
4750N 3425E	0.3	1.13	<5	28	<0.5	<5	0.09	<1	3	12	6	1.73	<1	0.05	<10	0.27	249	<2	0.01	7	0.049	13	0.04	<5	1	6	<5	0.07	<10	<10	41	<10	22	<1
4750N 3450E	<0.2	1.59	<5	50	<0.5	<5	0.10	<1	5	11	5	2.38	1	0.05	<10	0.42	259	<2	0.01	6	0.032	7	0.03	<5	2	8	<5	0.06	<10	<10	47	<10	45	<1
4750N 3475E	<0.2	0.71	<5	26	<0.5	<5	0.09	<1	1	5	1	1.15	<1	0.03	<10	0.11	94	<2	0.01	2	0.017	8	0.01	<5	1	6	<5	0.10	<10	<10	44	<10	13	<1
4750N 3500E	0.3	3.43	11	55	0.8	<5	0.32	<1	6	14	31	2.82	1	0.04	13	0.44	376	<2	0.01	7	0.089	5	0.09	<5	2	11	<5	0.05	<10	<10	54	<10	44	<1
4750N 3525E	<0.2	1.29	<5	26	<0.5	<5	0.08	<1	7	16	8	3.32	<1	0.05	<10	0.46	398	<2	0.01	4	0.059	4	0.03	<5	1	5	<5	0.03	<10	<10	52	<10	52	<1
4750N 3550E	0.4	2.69	10	42	<0.5	<5	0.09	<1	6	15	45	3.13	<1	0.04	<10	0.27	956	<2	0.01	6	0.142	9	0.11	<5	<1	5	<5	0.02	<10	<10	46	<10	42	<1
4750N 3575E	<0.2	1.59	6	25	<0.5	<5	0.07	<1	4	9	8	2.03	1	0.02	<10	0.31	209	<2	0.01	4	0.035	8	0.03	<5	1	5	<5	0.05	<10	<10	41	<10	28	<1
4750N 3600E	<0.2	0.88	<5	49	<0.5	<5	0.12	<1	8	6	3	1.51	1	0.03	<10	0.24	1060	<2	0.01	3	0.037	35	0.02	<5	1	8	<5	0.04	<10	<10	34	<10	37	<1
4750N 3625E	0.3	1.74	5	20	<0.5	<5	0.04	<1	3	9	7	3.13	1	0.02	<10	0.19	200	<2	0.01	3	0.047	12	0.04	<5	1	4	<5	0.05	<10	<10	53	<10	27	<1
4750N 3650E	<0.2	2.25	5	17	<0.5	<5	0.27	<1	9	23	9	3.38	1	0.06	<10	0.81	584	<2	0.01	7	0.102	29	0.06	<5	1	6	<5	0.03	<10	<10	62	<10	59	<1
4750N 3675E	0.7	2.19	<5	24	<0.5	<5	0.04	<1	1	13	7	1.20	<1	0.04	<10	0.06	43	<2	0.01	2	0.159	5	0.11	<5	<1	4	<5	0.01	<10	<10	13	<10	11	<1
4750N 3725E	<0.2	0.59	<5	13	<0.5	<5	0.03	<1	1	3	1	0.73	<1	0.02	<10	0.03	34	<2	0.01	<1	0.021	5	0.01	<5	<1	3	<5	0.03	<10	<10	18	<10	5	<1
4750N 3750E	0.5	2.33	10	21	<0.5	<5	0.05	<1	6	12	13	4.11	1	0.03	<10	0.43	423	<2	0.01	4	0.084	7	0.06	<5	1	4	<5	0.07	<10	<10	71	<10	36	<1
4750N 3775E	<0.2	1.29	<5	20	<0.5	<5	0.06	<1	4	7	7	1.62	<1	0.02	<10	0.36	239	<2	0.01	4	0.052	4	0.05	<5	1	4	<5	0.04	<10	<10	27	<10	32	<1
4750N 3800E	<0.2	1.85	9	35	<0.5	<5	0.15	<1	6	10	11	3.33	<1	0.04	<10	0.55	352	<2	0.01	4	0.062	5	0.04	<5	3	6	<5	0.06	<10	<10	63	<10	45	<1
4750N 3825E	<0.2	1.24	<5	35	<0.5	<5	0.20	<1	6	10	13	2.13	1	0.04	<10	0.60	377	<2	0.01	5	0.045	6	0.02	<5	3	8	<5	0.06	<10	<10	49	<10	48	<1
4750N 3850E	<0.2	1.32	7	30	<0.5	<5	0.18	<1	6	9	16	2.98	<1	0.03	<10	0.61	376	<2	0.01	5	0.049	4	0.01	<5	4	7	<5	0.06	<10	<10	54	<10	47	<1
4700N 2350E	<0.2	1.65	9	46	<0.5	<5	0.12	<1	8	13	11	2.97	<1	0.06	<10	0.53	555	<2	0.01	6	0.073	10	0.04	<5	1	7	<5	0.04	<10	<10	56	<10	51	<1
4700N 2375E	0.6	2.35	7	49	<0.5	<5	0.09	<1	63	15	13	3.52	<1	0.07	<10	0.51	2151	4	0.02	6	0.087	15	0.07	<5	<1	6	<5	0.02	<10	<10	65	<10	51	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

Report No : 0V1615SJ

T: (604) 327-3436 F: (604) 327-3423

Date : Oct-21-10

St. Elias Mines

Sample type : SOIL

Project : SOIL

Multi-Element ICP-AES Analysis

Attention : James Thom

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4700N 2400E	<0.2	0.93	<5	20	<0.5	<5	0.05	<1	2	7	1	0.57	<1	0.02	<10	0.20	121	<2	0.01	2	0.023	7	0.02	<5	1	5	<5	0.06	<10	<10	20	<10	16	<1
4700N 2425E	<0.2	0.56	<5	43	<0.5	<5	0.08	<1	3	7	1	1.55	<1	0.13	<10	0.20	293	<2	0.01	1	0.047	5	0.01	<5	2	5	<5	0.01	<10	<10	14	<10	28	<1
4700N 2450E	<0.2	0.83	<5	23	<0.5	<5	0.04	<1	1	4	3	1.15	<1	0.02	<10	0.06	70	<2	0.01	1	0.041	8	0.02	<5	<1	4	<5	0.04	<10	<10	40	<10	9	<1
4700N 2475E	<0.2	0.44	<5	24	<0.5	<5	0.06	<1	1	5	1	0.91	<1	0.02	<10	0.04	45	<2	0.01	1	0.021	8	0.02	<5	1	7	<5	0.12	<10	<10	46	<10	5	<1
4700N 2500E	<0.2	2.20	8	24	<0.5	<5	0.05	<1	5	10	7	3.29	<1	0.03	<10	0.41	289	<2	0.01	4	0.040	5	0.04	<5	2	5	<5	0.12	<10	<10	62	<10	38	1
4700N 2525E	0.2	2.51	8	34	<0.5	<5	0.37	<1	9	12	28	3.44	<1	0.06	<10	0.55	1195	<2	0.01	5	0.107	6	0.07	<5	1	7	<5	0.02	<10	<10	61	<10	63	<1
4700N 2550E	0.4	1.94	<5	19	<0.5	<5	0.02	<1	1	6	6	0.52	<1	0.02	<10	0.04	46	<2	0.01	2	0.095	4	0.10	<5	<1	2	<5	0.03	<10	<10	14	<10	8	<1
4700N 2575E	<0.2	1.32	<5	15	<0.5	<5	0.03	<1	2	6	3	2.59	<1	0.02	<10	0.15	148	<2	0.01	1	0.039	5	0.02	<5	2	3	<5	0.08	<10	<10	60	<10	15	<1
4700N 2600E	<0.2	0.92	<5	32	<0.5	<5	0.09	<1	3	25	7	2.32	<1	0.06	<10	0.21	201	<2	0.01	3	0.037	8	0.03	<5	1	7	<5	0.07	<10	<10	54	<10	24	<1
4700N 2625E	<0.2	1.12	<5	22	<0.5	<5	0.06	<1	2	6	10	1.98	<1	0.03	<10	0.12	190	<2	0.01	2	0.057	5	0.05	<5	1	5	<5	0.06	<10	<10	46	<10	15	<1
4700N 2650E	<0.2	1.84	7	17	<0.5	<5	0.07	<1	6	12	9	3.73	<1	0.02	<10	0.50	433	<2	0.01	5	0.037	5	0.04	<5	2	5	<5	0.09	<10	<10	68	<10	42	2
4700N 2675E	0.2	2.13	6	23	<0.5	<5	0.08	<1	5	10	11	2.68	<1	0.02	<10	0.44	309	<2	0.01	4	0.038	4	0.03	<5	2	5	<5	0.06	<10	<10	51	<10	40	1
4700N 2700E	<0.2	1.37	7	21	<0.5	<5	0.11	<1	6	10	12	2.72	<1	0.03	<10	0.54	373	<2	0.01	5	0.029	5	0.01	<5	3	6	<5	0.09	<10	<10	57	<10	45	1
4700N 2725E	<0.2	1.74	6	18	<0.5	<5	0.12	<1	6	11	11	2.67	<1	0.03	<10	0.50	308	<2	0.01	5	0.051	4	0.02	<5	3	6	<5	0.07	<10	<10	55	<10	46	1
4700N 2750E	0.5	3.47	<5	32	<0.5	<5	0.09	<1	5	24	11	1.77	<1	0.05	<10	0.26	922	<2	0.01	4	0.139	4	0.11	<5	1	6	<5	0.03	<10	<10	41	<10	27	<1
4700N 2775E	0.2	1.37	<5	35	<0.5	<5	0.07	<1	3	7	3	1.33	<1	0.03	<10	0.26	183	<2	0.01	3	0.061	7	0.06	<5	1	6	<5	0.05	<10	<10	34	<10	22	<1
4700N 2800E	1.3	6.49	8	37	1.5	<5	0.12	<1	1	22	89	0.44	<1	0.03	28	0.10	61	<2	0.02	4	0.292	<2	0.26	<5	3	10	<5	0.02	<10	<10	10	<10	18	5
4700N 2825E	0.2	2.87	6	27	<0.5	<5	0.05	<1	3	12	9	3.64	<1	0.03	<10	0.29	191	<2	0.01	3	0.037	7	0.03	<5	4	4	<5	0.10	<10	<10	71	<10	29	2
4700N 2850E	<0.2	2.06	7	16	<0.5	<5	0.05	<1	4	10	7	3.79	<1	0.02	<10	0.34	228	<2	0.01	3	0.032	6	0.03	<5	3	4	<5	0.09	<10	<10	70	<10	30	1
4700N 2875E	1.8	3.11	<5	14	<0.5	<5	0.05	<1	<1	8	13	0.42	<1	0.02	<10	0.03	19	<2	0.02	2	0.254	3	0.24	<5	<1	4	<5	0.01	<10	<10	11	<10	4	<1
4700N 2900E	0.2	2.01	7	30	<0.5	<5	0.05	<1	6	11	10	4.57	<1	0.05	<10	0.31	640	<2	0.01	4	0.048	7	0.03	<5	2	4	<5	0.06	<10	<10	101	<10	40	<1
4700N 2925E	<0.2	1.68	<5	29	<0.5	<5	0.06	<1	4	9	8	2.32	<1	0.04	<10	0.33	265	<2	0.01	4	0.033	8	0.03	<5	2	6	<5	0.08	<10	<10	58	<10	33	<1
4700N 2950E	<0.2	1.72	<5	34	<0.5	<5	0.08	<1	5	10	10	2.31	<1	0.04	<10	0.50	315	<2	0.01	6	0.030	7	0.02	<5	3	6	<5	0.07	<10	<10	47	<10	43	1
4700N 2975E	<0.2	2.37	9	26	<0.5	<5	0.05	<1	2	9	7	4.77	<1	0.06	<10	0.18	136	<2	0.01	2	0.192	9	0.03	<5	3	4	<5	0.07	<10	<10	100	<10	22	1
4700N 3000E	<0.2	4.24	11	25	<0.5	<5	0.05	<1	3	14	11	4.29	<1	0.03	<10	0.29	206	<2	0.01	3	0.071	9	0.04	<5	6	4	<5	0.10	<10	<10	99	<10	31	7
4700N 3025E	<0.2	2.11	11	35	<0.5	<5	0.05	<1	5	16	7	7.96	<1	0.03	<10	0.40	296	<2	0.01	3	0.223	10	0.02	<5	4	4	<5	0.19	<10	<10	178	<10	35	2
4700N 3050E	<0.2	0.99	<5	30	<0.5	<5	0.07	<1	2	4	2	1.46	<1	0.03	<10	0.15	154	<2	0.01	1	0.038	8	0.01	<5	2	5	<5	0.09	<10	<10	39	<10	19	<1
4700N 3075E	<0.2	1.21	6	20	<0.5	<5	0.07	<1	4	10	6	2.73	<1	0.02	<10	0.31	231	<2	0.01	3	0.046	5	0.04	<5	2	5	<5	0.09	<10	<10	57	<10	28	1
4700N 3100E	<0.2	2.58	5	34	0.7	<5	0.15	<1	6	9	5	2.29	<1	0.03	10	0.32	338	<2	0.01	4	0.053	3	0.04	<5	2	8	<5	0.05	<10	<10	45	<10	31	<1
4700N 3125E	<0.2	1.48	7	19	<0.5	<5	0.11	<1	4	10	10	2.73	<1	0.03	<10	0.35	339	<2	0.01	4	0.064	6	0.04	<5	1	6	<5	0.07	<10	<10	67	<10	30	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

Report No : 0V1615SJ

T: (604) 327-3436 F: (604) 327-3423

Date : Oct-21-10

St. Elias Mines

Sample type : SOIL

Project : SOIL

Multi-Element ICP-AES Analysis

Attention : James Thom

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4700N 3150E	<0.2	1.32	<5	28	<0.5	<5	0.08	<1	2	6	4	1.25	2	0.02	<10	0.19	133	<2	0.01	2	0.029	4	0.03	<5	1	5	<5	0.06	<10	<10	36	<10	22	<1
4700N 3175E	<0.2	0.69	<5	38	<0.5	<5	0.09	<1	4	7	3	1.96	1	0.06	<10	0.24	286	<2	0.01	2	0.049	5	0.02	<5	1	6	<5	0.02	<10	<10	40	<10	22	<1
4700N 3200E	<0.2	0.99	<5	23	<0.5	<5	0.03	<1	1	5	4	0.72	1	0.03	<10	0.12	61	<2	0.01	2	0.043	6	0.03	<5	1	4	<5	0.04	<10	<10	27	<10	10	<1
4700N 3225E	0.3	1.27	<5	17	<0.5	<5	0.05	<1	2	6	9	1.38	<1	0.03	<10	0.15	112	<2	0.01	1	0.058	6	0.04	<5	1	4	<5	0.04	<10	<10	34	<10	16	<1
4700N 3250E	0.6	1.79	7	98	<0.5	<5	0.08	<1	8	4	8	4.90	<1	0.05	<10	0.44	516	<2	0.01	2	0.062	26	0.03	<5	5	4	<5	0.01	<10	<10	111	<10	92	1
4700N 3275E	0.3	1.62	6	30	<0.5	<5	0.09	<1	5	9	7	2.48	<1	0.04	<10	0.39	459	<2	0.01	5	0.043	7	0.05	<5	2	5	<5	0.08	<10	<10	53	<10	36	<1
4700N 3300E	1.0	2.97	<5	35	0.7	<5	0.17	<1	39	30	20	2.27	<1	0.04	13	0.27	4223	<2	0.02	4	0.172	10	0.14	<5	1	6	<5	0.01	<10	<10	56	<10	27	<1
4700N 3325E	3.6	3.44	6	47	1.0	<5	0.35	<1	7	24	15	1.76	1	0.04	14	0.37	1007	3	0.02	5	0.189	3	0.16	<5	<1	16	<5	0.01	<10	<10	36	<10	38	<1
4700N 3350E	<0.2	2.51	8	48	<0.5	<5	0.06	<1	7	13	27	3.18	1	0.04	<10	0.37	819	<2	0.01	5	0.039	7	0.03	<5	2	5	<5	0.06	<10	<10	63	<10	42	<1
4700N 3375E	0.2	1.69	<5	82	<0.5	<5	0.11	1	4	10	9	1.42	<1	0.03	<10	0.20	288	<2	0.01	4	0.117	21	0.08	<5	<1	6	<5	0.02	<10	<10	36	<10	27	<1
4700N 3400E	0.4	1.35	<5	39	<0.5	<5	0.11	<1	5	6	6	1.06	<1	0.07	<10	0.13	737	<2	0.02	3	0.221	11	0.16	<5	<1	5	<5	0.01	<10	<10	25	<10	22	<1
4700N 3425E	0.2	1.45	5	71	<0.5	<5	0.11	<1	5	9	8	2.20	<1	0.04	<10	0.41	356	<2	0.01	5	0.042	6	0.03	<5	1	7	<5	0.04	<10	<10	45	<10	46	<1
4700N 3450E	0.2	1.34	<5	34	<0.5	<5	0.12	<1	4	8	6	1.81	<1	0.04	<10	0.34	673	<2	0.01	4	0.108	6	0.07	<5	1	6	<5	0.03	<10	<10	42	<10	31	<1
4700N 3475E	0.9	1.66	6	41	<0.5	<5	0.11	<1	9	35	12	3.26	<1	0.12	<10	0.52	1035	<2	0.02	7	0.112	18	0.07	<5	<1	5	<5	0.02	<10	<10	63	<10	63	<1
4700N 3500E	0.3	1.03	<5	35	<0.5	<5	0.04	<1	1	5	4	0.95	<1	0.04	<10	0.09	103	<2	0.01	1	0.046	9	0.04	<5	1	4	<5	0.06	<10	<10	28	<10	14	<1
4700N 3525E	<0.2	0.68	<5	17	<0.5	<5	0.03	<1	1	4	1	1.02	1	0.03	<10	0.05	89	<2	0.01	1	0.033	6	0.03	<5	1	3	<5	0.07	<10	<10	32	<10	7	<1
4700N 3550E	<0.2	1.68	6	30	<0.5	<5	0.05	<1	5	10	9	3.41	<1	0.03	<10	0.33	314	<2	0.01	4	0.029	7	0.02	<5	2	5	<5	0.07	<10	<10	65	<10	38	<1
4700N 3575E	0.3	1.75	6	30	<0.5	<5	0.06	<1	7	36	10	2.82	1	0.07	<10	0.33	738	<2	0.01	4	0.064	18	0.05	<5	1	5	<5	0.04	<10	<10	50	<10	48	<1
4700N 3600E	<0.2	1.56	8	26	<0.5	<5	0.09	<1	5	11	11	3.06	<1	0.03	<10	0.48	363	<2	0.01	6	0.033	14	0.02	<5	2	5	<5	0.06	<10	<10	54	<10	45	<1
4700N 3625E	0.6	2.07	<5	14	<0.5	<5	0.04	<1	1	27	11	1.21	<1	0.03	<10	0.10	83	<2	0.01	2	0.095	7	0.08	<5	<1	3	<5	0.02	<10	<10	24	<10	17	<1
4700N 3650E	0.2	0.40	<5	34	<0.5	<5	0.28	<1	2	43	3	1.80	1	0.07	<10	0.15	285	<2	0.02	2	0.054	5	0.03	<5	1	7	<5	0.07	<10	<10	45	<10	18	1
4700N 3675E	<0.2	0.94	<5	35	<0.5	<5	0.08	<1	2	5	2	0.79	<1	0.02	<10	0.17	99	<2	0.01	2	0.048	26	0.04	<5	<1	5	<5	0.03	<10	<10	21	<10	25	<1
4700N 3700E	<0.2	1.07	6	33	<0.5	<5	0.15	<1	2	6	34	2.40	1	0.03	<10	0.11	119	2	0.01	2	0.027	22	0.04	<5	2	10	<5	0.10	<10	<10	85	<10	27	<1
4700N 3725E	<0.2	1.57	5	22	<0.5	<5	0.06	<1	3	9	6	3.64	1	0.02	<10	0.24	248	<2	0.01	2	0.072	13	0.02	<5	3	5	<5	0.10	<10	<10	89	<10	28	1
4700N 3750E	<0.2	1.16	5	12	<0.5	<5	0.04	<1	3	7	3	4.05	<1	0.02	<10	0.29	297	<2	0.01	2	0.046	6	0.01	<5	2	4	<5	0.12	<10	<10	106	<10	28	1
4700N 3775E	<0.2	2.03	5	20	<0.5	<5	0.05	<1	4	10	4	3.81	<1	0.02	<10	0.31	542	<2	0.01	2	0.033	5	0.02	<5	3	4	<5	0.10	<10	<10	75	<10	34	1
4700N 3800E	<0.2	1.63	7	52	<0.5	<5	0.13	<1	11	8	8	3.26	<1	0.05	<10	0.62	967	2	0.01	4	0.040	8	0.03	<5	3	8	<5	0.07	<10	<10	73	<10	52	<1
4700N 3825E	<0.2	1.84	7	32	<0.5	<5	0.13	<1	10	10	17	3.40	1	0.05	<10	0.73	758	<2	0.01	5	0.042	6	0.03	<5	4	7	<5	0.08	<10	<10	66	<10	55	1
4700N 3850E	<0.2	1.62	5	37	<0.5	<5	0.15	<1	6	9	12	2.67	1	0.05	<10	0.56	357	<2	0.01	4	0.042	5	0.03	<5	3	7	<5	0.07	<10	<10	56	<10	43	<1
4650N(A) 2350E	0.4	1.40	<5	24	<0.5	<5	0.05	<1	1	5	9	2.56	<1	0.03	<10	0.06	54	<2	0.01	1	0.034	9	0.03	<5	1	4	<5	0.05	<10	<10	52	<10	9	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 E: (604) 327-3423

Report No : 0V1615SJ

Date : Oct-21-10

St. Elias Mines

Project : SOIL

Attention : James Thom

Sample type : SOIL

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4650N(B) 2350E	0.3	2.41	11	42	<0.5	<5	0.08	<1	7	12	15	3.73	<1	0.06	<10	0.57	421	<2	0.01	7	0.033	7	0.03	<5	3	6	<5	0.07	<10	<10	70	<10	56	<1
4650N(A) 2375E	0.3	1.98	10	40	<0.5	<5	0.06	<1	4	11	12	4.93	<1	0.04	<10	0.31	263	<2	0.01	3	0.040	9	0.03	<5	3	5	<5	0.09	<10	<10	98	<10	36	1
4650N(B) 2375E	0.2	1.55	5	53	<0.5	<5	0.05	<1	5	7	8	3.03	2	0.06	<10	0.26	389	<2	0.01	3	0.050	6	0.02	<5	2	5	<5	0.05	<10	<10	60	<10	39	<1
4650N 2400E	<0.2	1.27	<5	26	<0.5	<5	0.06	<1	3	6	6	1.79	<1	0.03	<10	0.23	242	<2	0.01	3	0.050	6	0.03	<5	1	6	<5	0.06	<10	<10	44	<10	23	<1
4650N 2425E	<0.2	1.82	10	29	<0.5	<5	0.13	<1	6	12	12	3.24	<1	0.05	<10	0.53	410	<2	0.01	6	0.042	6	0.02	<5	3	7	<5	0.08	<10	<10	59	<10	47	1
4650N 2450E	0.3	1.83	<5	29	<0.5	<5	0.14	<1	9	38	8	2.45	<1	0.09	<10	0.40	918	<2	0.02	3	0.064	5	0.05	<5	1	9	<5	0.06	<10	<10	46	<10	36	1
4650N 2475E	0.4	1.29	<5	19	<0.5	<5	0.05	<1	1	44	5	0.75	<1	0.04	<10	0.11	62	<2	0.01	3	0.124	2	0.13	<5	<1	3	<5	0.01	<10	<10	16	<10	9	<1
4650N 2500E	0.4	1.78	<5	21	<0.5	<5	0.05	<1	1	6	44	0.60	<1	0.01	12	0.03	53	<2	0.01	3	0.128	4	0.16	<5	1	3	<5	0.01	<10	<10	11	<10	15	<1
4650N 2525E	0.2	2.02	<5	32	<0.5	<5	0.03	<1	1	6	21	1.75	<1	0.02	<10	0.06	58	<2	0.01	1	0.045	3	0.04	<5	1	4	<5	0.03	<10	<10	33	<10	13	<1
4650N 2550E	0.2	1.96	<5	27	<0.5	<5	0.05	<1	4	7	7	2.85	<1	0.04	<10	0.27	238	<2	0.01	2	0.054	4	0.04	<5	2	4	<5	0.07	<10	<10	50	<10	29	<1
4650N 2575E	<0.2	2.72	6	24	<0.5	<5	0.12	<1	7	17	14	2.75	<1	0.06	<10	0.52	529	2	0.02	7	0.115	6	0.10	<5	1	6	<5	0.05	<10	<10	51	<10	44	<1
4650N 2600E	<0.2	2.38	6	30	<0.5	<5	0.12	<1	6	14	15	1.65	<1	0.03	<10	0.54	308	<2	0.01	6	0.052	7	0.04	<5	4	7	<5	0.07	<10	<10	41	<10	45	1
4650N 2625E	<0.2	1.34	6	26	<0.5	<5	0.05	<1	2	6	4	2.09	<1	0.04	<10	0.20	141	<2	0.01	2	0.015	6	0.01	<5	2	4	<5	0.08	<10	<10	65	<10	20	1
4650N 2650E	<0.2	1.45	5	29	<0.5	<5	0.08	<1	3	8	5	1.97	<1	0.04	<10	0.27	176	<2	0.01	3	0.031	6	0.02	<5	2	5	<5	0.07	<10	<10	49	<10	27	<1
4650N 2675E	<0.2	0.64	<5	18	<0.5	<5	0.03	<1	1	4	3	0.24	<1	0.05	<10	0.03	24	<2	0.01	1	0.145	2	0.09	<5	<1	4	<5	0.01	<10	<10	4	<10	12	<1
4650N 2700E	<0.2	0.98	<5	18	<0.5	<5	0.02	<1	1	7	2	0.29	<1	0.04	<10	0.05	31	<2	0.01	2	0.083	9	0.08	<5	<1	3	<5	0.01	<10	<10	9	<10	8	<1
4650N 2725E	<0.2	1.05	10	26	<0.5	<5	0.03	<1	6	7	7	3.05	1	0.03	<10	0.13	862	2	0.01	2	0.049	12	0.03	<5	2	3	<5	0.16	<10	<10	137	<10	18	1
4650N 2750E	<0.2	2.00	5	20	<0.5	<5	0.03	<1	3	9	4	3.29	<1	0.02	<10	0.21	199	<2	0.01	2	0.037	6	0.03	<5	2	3	<5	0.08	<10	<10	60	<10	23	<1
Duplicates:																																		
4800N 2350E	<0.2	2.83	16	28	<0.5	<5	0.08	<1	6	13	41	4.31	<1	0.02	<10	0.30	592	3	0.01	4	0.051	8	0.05	<5	3	4	<5	0.07	<10	<10	94	<10	30	1
4800N 2575E	0.2	2.45	11	60	<0.5	<5	0.09	<1	8	13	19	3.61	<1	0.06	<10	0.55	567	<2	0.01	8	0.037	7	0.03	<5	3	6	<5	0.07	<10	<10	62	<10	58	<1
4800N 2825E	<0.2	1.66	5	27	<0.5	<5	0.05	<1	4	9	6	2.61	<1	0.04	<10	0.35	263	<2	0.01	5	0.030	7	0.03	<5	2	4	<5	0.07	<10	<10	62	<10	34	<1
4800N 2900E	<0.2	2.51	13	18	<0.5	<5	0.07	<1	7	12	16	3.43	<1	0.02	<10	0.38	569	<2	0.01	4	0.038	5	0.03	<5	4	5	<5	0.09	<10	<10	54	<10	34	2
4800N 3125E	0.2	1.49	<5	31	<0.5	<5	0.07	<1	5	9	7	1.93	<1	0.04	<10	0.44	264	<2	0.01	6	0.028	6	0.03	<5	1	5	<5	0.05	<10	<10	42	<10	35	<1
4800N 3375E	<0.2	0.42	<5	13	<0.5	<5	0.03	<1	1	10	<1	0.72	<1	0.02	<10	0.05	38	<2	0.01	2	0.011	6	0.01	<5	1	3	<5	0.05	<10	<10	29	<10	7	<1
4800N 3450E	0.2	1.81	<5	31	<0.5	<5	0.04	<1	4	9	8	3.34	<1	0.03	<10	0.29	291	<2	0.01	4	0.038	5	0.03	<5	1	3	<5	0.05	<10	<10	54	<10	31	<1
4800N 3675E	0.4	1.82	<5	19	<0.5	<5	0.07	<1	3	11	9	2.29	<1	0.03	<10	0.28	255	<2	0.01	4	0.086	12	0.06	<5	<1	4	<5	0.04	<10	<10	38	<10	32	<1
4750N 2400E	0.2	2.03	9	35	<0.5	<5	0.08	<1	6	10	11	4.29	<1	0.04	<10	0.45	449	<2	0.01	5	0.043	6	0.03	<5	2	5	<5	0.09	<10	<10	71	<10	43	1
4750N 2475E	<0.2	1.78	5	25	<0.5	<5	0.09	<1	5	9	7	2.46	<1	0.03	<10	0.41	366	<2	0.01	4	0.063	6	0.03	<5	2	6	<5	0.08	<10	<10	54	<10	37	1
4750N 2700E	0.2	1.32	<5	20	<0.5	<5	0.05	<1	2	6	4	1.75	<1	0.04	<10	0.15	185	<2	0.01	2	0.065	6	0.06	<5	1	5	<5	0.09	<10	<10	39	<10	17	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1615SJ

Date : Oct-21-10

St. Elias Mines

Project : SOIL

Attention : James Thom

Sample type : SOIL

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4750N 2950E	0.3	1.89	6	39	<0.5	<5	0.15	<1	16	10	8	3.77	<1	0.05	<10	0.10	4138	<2	0.01	2	0.140	8	0.11	<5	<1	6	<5	0.03	<10	<10	72	<10	25	<1
4750N 3025E	<0.2	2.14	5	15	<0.5	<5	0.05	<1	2	10	6	3.15	<1	0.02	<10	0.15	280	<2	0.01	2	0.032	6	0.02	<5	3	3	<5	0.08	<10	<10	64	<10	19	<1
4750N 3250E	<0.2	0.39	<5	31	<0.5	<5	0.05	<1	1	3	1	0.73	<1	0.03	<10	0.03	56	<2	0.01	<1	0.011	3	0.01	<5	1	6	<5	0.04	<10	<10	22	<10	6	<1
4750N 3500E	0.4	3.62	11	59	0.8	<5	0.33	<1	6	18	33	2.87	1	0.04	14	0.45	394	<2	0.01	7	0.090	4	0.09	<5	2	12	<5	0.05	<10	<10	54	<10	42	1
4750N 3575E	<0.2	1.56	6	25	<0.5	<5	0.07	<1	4	10	8	2.03	<1	0.02	<10	0.31	207	<2	0.01	4	0.035	8	0.03	<5	1	5	<5	0.05	<10	<10	41	<10	28	<1
4750N 3800E	<0.2	1.86	9	37	<0.5	<5	0.14	<1	6	10	12	3.31	<1	0.04	<10	0.56	352	2	0.01	4	0.064	5	0.04	<5	3	6	<5	0.06	<10	<10	64	<10	46	<1
4700N 2525E	0.2	2.37	7	32	<0.5	<5	0.34	<1	9	11	27	3.16	<1	0.05	<10	0.52	1110	<2	0.01	5	0.102	5	0.06	<5	1	7	<5	0.02	<10	<10	57	<10	60	<1
4700N 2600E	<0.2	0.90	<5	31	<0.5	<5	0.08	<1	3	24	5	2.30	<1	0.06	<10	0.21	195	<2	0.01	3	0.036	8	0.03	<5	1	7	<5	0.07	<10	<10	53	<10	22	<1
4700N 2825E	0.2	2.86	7	27	<0.5	<5	0.05	<1	4	12	8	3.70	1	0.03	<10	0.30	194	<2	0.01	3	0.034	7	0.02	<5	5	5	<5	0.10	<10	<10	72	<10	32	2
4700N 3075E	<0.2	1.21	5	20	<0.5	<5	0.06	<1	4	10	6	2.67	<1	0.02	<10	0.31	225	<2	0.01	3	0.045	5	0.03	<5	2	6	<5	0.08	<10	<10	56	<10	28	1
4700N 3150E	<0.2	1.35	<5	28	<0.5	<5	0.07	<1	2	7	2	1.30	1	0.02	<10	0.20	140	<2	0.01	2	0.029	4	0.03	<5	1	5	<5	0.06	<10	<10	38	<10	22	<1
4700N 3375E	0.2	1.84	<5	80	<0.5	<5	0.11	<1	3	10	9	1.36	<1	0.07	<10	0.20	277	<2	0.01	3	0.109	15	0.08	<5	<1	7	<5	0.02	<10	<10	38	<10	27	<1
4700N 3625E	0.6	2.24	<5	16	<0.5	<5	0.05	<1	2	30	10	1.32	<1	0.03	<10	0.11	91	<2	0.01	2	0.103	7	0.09	<5	<1	4	<5	0.03	<10	<10	26	<10	16	<1
4700N 3700E	<0.2	1.12	6	35	<0.5	<5	0.16	<1	2	7	34	2.50	1	0.03	<10	0.11	133	2	0.01	2	0.029	24	0.05	<5	2	9	<5	0.10	<10	<10	88	<10	30	<1
4650N(A) 2375E	0.3	2.03	11	41	<0.5	<5	0.07	<1	4	11	8	5.04	<1	0.04	<10	0.32	275	<2	0.01	3	0.041	9	0.03	<5	3	6	<5	0.09	<10	<10	102	<10	38	1
4650N 2600E	<0.2	2.39	5	30	<0.5	<5	0.12	<1	6	14	15	1.67	<1	0.03	<10	0.55	308	<2	0.01	6	0.051	7	0.04	<5	4	7	<5	0.07	<10	<10	42	<10	45	1
4650N 2675E	<0.2	0.73	<5	19	<0.5	<5	0.04	<1	1	5	4	0.28	<1	0.06	<10	0.03	28	<2	0.01	2	0.163	2	0.11	<5	<1	4	<5	0.01	<10	<10	4	<10	13	<1
Standards:																																		
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	1	<0.01	<1	<0.01	<10	<0.01	<5	<2	0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1
CH-4	2.2	1.65	8	279	<0.5	<5	0.53	1	22	99	1924	4.18	1	1.31	13	1.15	306	2	0.05	50	0.061	10	0.62	<5	7	8	<5	0.17	<10	<10	72	<10	199	10

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
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T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG1

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4650N 2775E	4
4650N 2800E	2
4650N 2825E	4
4650N 2850E	2
4650N 2875E	2
4650N 2900E	2
4650N 2925E	6
4650N 2950E	2
4650N 2975E	2
4650N 3000E	10
4650N 3025E	4
4650N 3050E	2
4650N 3075E	7
4650N 3100E	4
4650N 3125E	6
4650N 3150E	6
4650N 3175E	2
4650N 3200E	5
4650N 3225E	8
4650N 3250E	4
4650N 3275E	6
4650N 3300E	8
*SG 40	1020
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG2

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4650N 3325E	<2
4650N 3350E	2
4650N 3375E	<2
4650N 3400E	<2
4650N 3425E	<2
4650N 3450E	<2
4650N 3475E	2
4650N 3500E	<2
4650N 3525E	<2
4650N 3550E	<2
4650N 3575E	2
4650N 3600E	<2
4650N 3625E	<2
4650N 3650E	<2
4650N 3675E	<2
4650N 3700E	<2
4650N 3725E	<2
4650N 3750E	2
4650N 3775E	<2
4650N 3800E	2
4650N 3825E	<2
4650N 3850E	<2
*SG 40	1091
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____

*Quality Assaying for over 35 Years***Geochemical Analysis Certificate****0V-1636-SG3**

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4600N 2350E-NR	
4600N 2375E-NR	
4600N 2400E-NR	
4600N 2425E	4
4600N 2450E (A)	<2
4600N 2450E (B)	<2
4600N 2475E	<2
4600N 2500E	4
4600N 2525E	13
4600N 2550E	<2
4600N 2575E	<2
4600N 2600E	4
4600N 2625E	<2
4600N 2650E	2
4600N 2675E (A)	<2
4600N 2675E (B)	<2
4600N 2700E (A)	2
4600N 2700E (B)	<2
4600N 2725E (A)	<2
4600N 2725E (B)	2
4600N 2750E	<2
4600N 2775E	2
*SG 40	1051
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____

*Quality Assaying for over 35 Years***Geochemical Analysis Certificate****0V-1636-SG4**

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4600N 2800E	<2
4600N 2825E	<2
4600N 2850E	9
4600N 2875E	<2
4600N 2900E	<2
4600N 2925E	<2
4600N 2950E	8
4600N 2975E	<2
4600N 3000E	<2
4600N 3025E	<2
4600N 3050E	<2
4600N 3075E	<2
4600N 3100E	<2
4600N 3125E (A)	<2
4600N 3125E (B)	<2
4600N 3150E (A)	<2
4600N 3150E (B)	4
4600N 3175E (A)	<2
4600N 3175E (B)	<2
4600N 3200E	<2
4600N 3225E	6
4600N 3250E	<2
*SG 40	986
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG5

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4600N 3275E	<2
4600N 3300E	20
4600N 3325E	<2
4600N 3350E	3
4600N 3375E	<2
4600N 3400E	10
4600N 3425E	2
4600N 3450E	<2
4600N 3475E	<2
4600N 3500E (A)	<2
4600N 3500E (B)	<2
4600N 3525E (A)	<2
4600N 3525E (B)	2
4600N 3550E (A)	2
4600N 3550E (B)	4
4600N 3575E	6
4600N 3600E	<2
4600N 3625E	172
4600N 3650E	2
4600N 3675E	<2
4600N 3700E	2
4600N 3725E	97
*SG 40	1032
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Geochemical Analysis Certificate

0V-1636-SG6

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We hereby certify the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4600N 3750E	3
4600N 3775E	<2
4600N 3800E	4
4600N 3825E	<2
4600N 3850E	<2
4550N 2350E-NR	
4550N 2375E-NR	
4550N 2400E-NR	
4550N 2425E-NR	
4550N 2450E-NR	
4550N 2475E-NR	
4550N 2500E	4
4550N 2525E	<2
4550N 2550E	<2
4550N 2575E	<2
4550N 2600E	<2
4550N 2625E	<2
4550N 2650E	<2
4550N 2675E	<2
4550N 2700E	4
4550N 2725E	2
4550N 2750E	2
*SG 40	981
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG7

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4550N 2775E (A)	8
4550N 2775E (B)	4
4550N 2800E	2
4550N 2825E (A)	8
4550N 2825E (B)	8
4550N 2850E (A)	5
4550N 2850E (B)	8
4550N 2875E	4
4550N 2900E	8
4550N 2925E	8
4550N 2950E	6
4550N 2975E	6
4550N 3000E	3
4550N 3025E	8
4550N 3050E	8
4550N 3075E	3
4550N 3100E	3
4550N 3125E	3
4550N 3150E	3
4550N 3175E	4
4550N 3200E	3
4550N 3225E (A)	7
*SG40	980
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG8

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4550N 3225E (B)	2
4550N 3250E (A)	3
4550N 3250E (B)	16
4550N 3275E (A)	4
4550N 3275E (B)	4
4550N 3300E	6
4550N 3325E	2
4550N 3350E	2
4550N 3375E	4
4550N 3400E	2
4550N 3425E	10
4550N 3450E	4
4550N 3475E	4
4550N 3500E	2
4550N 3525E	<2
4550N 3550E	<2
4550N 3575E	<2
4550N 3600E	<2
4550N 3625E (A)	<2
4550N 3625E (B)	4
4550N 3650E	2
4550N 3675E (A)	<2
*SG 40	986
*BLANK	<2

Au 15g FA AA Finish.

Certified by



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG9

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We hereby certify the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4550N 3675E (B)	2
4550N 3700E	4
4550N 3725E	6
4550N 3750E	<2
4550N 3775E	36
4550N 3800E (A)	4
4550N 3800E (B)	4
4550N 3825E	2
4550N 3850E	4
4500N 2350E-NR	
4500N 2375E-NR	
4500N 2400E-NR	
4500N 2425E-NR	
4500N 2450E	4
4500N 2475E	4
4500N 2500E	4
4500N 2525E	4
4500N 2550E	4
4500N 2575E-NR	
4500N 2600E	2
4500N 2625E	2
4500N 2650E (A)	4
*SG 40	1001
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Geochemical Analysis Certificate

0V-1636-SG10

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 2 soil samples submitted Sep-22-10

Sample Name	Au ppb
4500N 2650E (B)	<2
4500N 2675E (A)	3
4500N 2675E (B)	3
4500N 2700E	2
4500N 2725E	4
4500N 2750E	<2
4500N 2775E	<2
4500N 2800E	<2
4500N 2825E	4
4500N 2850E	<2
4500N 2875E	2
4500N 2900E	<2
4500N 2925E	<2
4500N 2950E	<2
4500N 2975E	<2
4500N 3000E (A)	<2
4500N 3000E (B)	3
4500N 3025E (A)	2
4500N 3025E (B)	2
4500N 3050E (A)	<2
4500N 3050E (B)	<2
4500N 3075E	2
*SG 40	980
*BLANK	<2

Au 15g FA AA Finish.

Certified by 



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1636-SG11

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-22-10

We *hereby certify* the following geochemical analysis of 4 soil samples submitted Sep-22-10

Sample Name	Au ppb
4500N 3100E	4
4500N 3125E	2
4500N 3150E	116
4500N 3175E	8
*SG 40	891
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4650N 2775E	<0.2	2.10	<5	24	<0.5	8	0.06	<1	2	7	2	4.58	1	0.03	<10	0.16	115	<2	0.01	1	0.043	15	0.01	<5	3	6	<5	0.13	<10	<10	112	<10	17	3
4650N 2800E	0.3	4.27	<5	36	0.6	6	0.08	1	3	11	9	2.93	1	0.03	<10	0.31	237	<2	0.01	3	0.074	24	0.07	<5	3	6	<5	0.09	<10	<10	47	<10	25	4
4650N 2825E	<0.2	1.95	<5	37	<0.5	7	0.10	<1	4	9	7	3.31	1	0.06	<10	0.27	261	<2	0.01	4	0.073	12	0.05	<5	1	8	<5	0.08	<10	<10	73	<10	26	2
4650N 2850E	<0.2	2.67	<5	49	<0.5	8	0.09	<1	9	12	16	3.83	<1	0.07	<10	0.55	707	<2	0.01	7	0.050	19	0.04	<5	3	8	<5	0.10	<10	<10	102	<10	48	1
4650N 2875E	<0.2	2.27	<5	43	<0.5	6	0.12	<1	7	13	10	3.52	1	0.07	<10	0.59	459	<2	0.01	7	0.034	13	0.02	<5	3	11	<5	0.10	<10	<10	67	<10	51	2
4650N 2900E	<0.2	1.26	<5	26	<0.5	<5	0.08	<1	3	8	4	1.75	<1	0.06	<10	0.20	219	<2	0.01	4	0.045	13	0.03	<5	2	9	<5	0.10	<10	<10	51	<10	22	1
4650N 2925E	<0.2	1.71	<5	21	<0.5	<5	0.08	<1	3	9	4	2.05	<1	0.03	<10	0.26	187	<2	0.01	5	0.047	13	0.03	<5	1	7	<5	0.09	<10	<10	53	<10	23	1
4650N 2950E	<0.2	1.22	<5	19	<0.5	<5	0.07	<1	1	5	4	1.39	<1	0.03	<10	0.04	40	<2	0.01	1	0.076	9	0.05	<5	<1	7	<5	0.05	<10	<10	35	<10	5	1
4650N 2975E	<0.2	1.96	<5	19	<0.5	5	0.07	<1	4	9	4	2.62	<1	0.03	<10	0.30	230	<2	0.01	3	0.050	14	0.03	<5	2	6	<5	0.13	<10	<10	58	<10	24	2
4650N 3000E	<0.2	1.95	<5	23	<0.5	5	0.09	<1	5	10	4	3.02	<1	0.03	<10	0.39	249	<2	0.01	4	0.035	11	0.03	<5	2	7	<5	0.09	<10	<10	54	<10	32	1
4650N 3025E	<0.2	1.86	<5	26	<0.5	<5	0.05	<1	3	10	4	1.77	<1	0.06	<10	0.22	182	<2	0.01	4	0.102	14	0.07	<5	1	4	<5	0.05	<10	<10	44	<10	20	1
4650N 3050E	1.4	1.95	<5	35	<0.5	5	0.06	<1	3	6	17	2.42	<1	0.09	<10	0.11	158	<2	0.01	2	0.228	9	0.09	<5	<1	4	<5	0.01	<10	<10	21	<10	19	1
4650N 3075E	0.2	2.28	<5	34	0.5	5	0.16	<1	4	13	11	2.63	1	0.05	<10	0.35	256	<2	0.01	4	0.077	14	0.07	<5	2	8	<5	0.08	<10	<10	58	<10	31	1
4650N 3100E	0.3	1.83	6	53	0.6	<5	0.20	<1	2	22	2	2.04	1	0.05	<10	0.09	336	<2	0.02	2	0.106	44	0.08	<5	2	14	<5	0.14	<10	<10	76	<10	8	3
4650N 3125E	0.2	1.79	<5	21	<0.5	<5	0.10	<1	3	9	4	1.63	<1	0.04	<10	0.27	185	<2	0.01	3	0.060	13	0.05	<5	1	9	<5	0.06	<10	<10	36	<10	24	1
4650N 3150E	<0.2	2.68	<5	22	<0.5	6	0.11	<1	4	13	6	2.76	<1	0.02	<10	0.36	266	<2	0.01	4	0.054	16	0.04	<5	3	7	<5	0.09	<10	<10	58	<10	37	2
4650N 3175E	<0.2	1.61	<5	25	<0.5	5	0.24	<1	6	10	11	2.53	<1	0.04	<10	0.49	322	<2	0.01	5	0.058	8	0.02	<5	5	12	<5	0.10	<10	<10	45	<10	41	3
4650N 3200E	0.4	1.66	<5	38	0.5	<5	0.14	<1	10	12	4	1.70	<1	0.08	<10	0.28	797	19	0.02	7	0.243	16	0.17	<5	<1	8	<5	0.02	<10	<10	28	<10	25	1
4650N 3225E	<0.2	2.18	5	38	0.5	<5	0.10	<1	7	13	16	2.15	<1	0.07	<10	0.32	768	<2	0.01	6	0.150	16	0.06	<5	1	6	<5	0.07	<10	<10	47	<10	36	2
4650N 3250E	<0.2	1.97	<5	24	<0.5	7	0.10	<1	6	13	11	3.32	<1	0.05	<10	0.45	637	<2	0.01	5	0.260	12	0.04	<5	2	6	<5	0.07	<10	<10	57	<10	35	2
4650N 3275E	<0.2	0.79	<5	37	<0.5	<5	0.08	<1	3	8	2	0.98	<1	0.05	<10	0.18	224	<2	0.01	1	0.044	5	0.04	<5	2	7	<5	0.03	<10	<10	32	<10	13	<1
4650N 3300E	1.5	2.88	<5	30	0.6	5	0.10	<1	4	13	12	2.52	<1	0.05	10	0.22	229	<2	0.02	4	0.167	21	0.13	<5	<1	6	<5	0.02	<10	<10	42	<10	25	1
4650N 3325E	<0.2	2.00	<5	98	<0.5	6	0.16	<1	9	13	9	3.11	<1	0.12	<10	0.50	627	2	0.02	6	0.048	20	0.03	<5	2	10	<5	0.05	<10	<10	74	<10	53	1
4650N 3350E	0.6	1.84	<5	50	<0.5	<5	0.10	<1	2	7	9	1.41	<1	0.06	<10	0.12	99	<2	0.01	2	0.061	20	0.05	<5	1	8	<5	0.05	<10	<10	34	<10	19	1
4650N 3375E	<0.2	1.59	<5	63	<0.5	<5	0.12	<1	4	7	4	2.09	<1	0.06	<10	0.31	277	<2	0.01	3	0.028	13	0.02	<5	2	10	<5	0.05	<10	<10	54	<10	30	1
4650N 3400E	<0.2	2.52	<5	86	0.5	8	0.16	1	9	13	18	3.70	1	0.08	<10	0.63	471	<2	0.02	8	0.059	18	0.04	<5	3	12	<5	0.06	<10	<10	60	<10	63	1
4650N 3425E	0.2	1.14	<5	28	<0.5	<5	0.04	<1	1	3	11	0.32	<1	0.06	<10	0.03	19	<2	0.02	2	0.352	11	0.18	<5	2	4	<5	0.01	<10	<10	3	<10	16	1
4650N 3450E	<0.2	1.40	<5	32	<0.5	7	0.06	<1	7	11	3	3.83	<1	0.07	<10	0.41	619	<2	0.01	2	0.077	15	0.03	<5	2	5	<5	0.10	<10	<10	84	<10	35	1
4650N 3475E	<0.2	2.14	<5	27	<0.5	8	0.08	<1	6	13	10	3.93	<1	0.04	<10	0.41	496	<2	0.01	4	0.046	11	0.03	<5	3	7	<5	0.07	<10	<10	70	<10	41	1
4650N 3500E	0.6	1.19	<5	23	<0.5	<5	0.04	<1	3	8	4	2.15	<1	0.07	<10	0.16	237	<2	0.01	2	0.075	11	0.04	<5	1	5	<5	0.07	<10	<10	62	<10	18	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4650N 3525E	0.4	1.11	<5	25	<0.5	5	0.09	<1	4	6	8	2.41	<1	0.06	<10	0.22	162	<2	0.01	2	0.134	5	0.08	<5	<1	5	<5	0.02	<10	<10	37	<10	22	1
4650N 3550E	<0.2	2.23	<5	34	0.5	5	0.09	<1	5	12	15	2.77	<1	0.04	<10	0.43	299	<2	0.01	5	0.041	23	0.03	<5	3	8	<5	0.10	<10	<10	67	<10	42	2
4650N 3575E	2.0	1.39	<5	29	<0.5	<5	0.05	<1	2	7	14	1.72	<1	0.05	<10	0.08	88	<2	0.01	1	0.064	24	0.05	<5	1	5	<5	0.06	<10	<10	48	<10	17	1
4650N 3600E	<0.2	2.14	<5	28	<0.5	12	0.04	<1	21	27	<1	5.85	<1	0.05	<10	0.82	1660	<2	0.01	6	0.047	38	0.01	<5	7	4	<5	0.07	<10	<10	171	<10	65	2
4650N 3625E	0.3	1.41	<5	33	<0.5	7	0.10	<1	6	7	7	3.56	<1	0.06	<10	0.37	558	<2	0.01	2	0.105	19	0.06	<5	2	6	<5	0.06	<10	<10	69	<10	34	1
4650N 3650E	0.4	3.05	<5	31	0.6	5	0.23	1	14	7	12	2.39	1	0.06	<10	0.12	1085	<2	0.01	4	0.308	85	0.17	<5	<1	6	<5	<0.01	<10	<10	28	<10	24	1
4650N 3675E	<0.2	2.45	<5	26	0.5	10	0.07	<1	4	11	3	5.37	<1	0.02	<10	0.31	242	<2	0.01	2	0.050	11	0.02	<5	4	6	<5	0.14	<10	<10	134	<10	20	5
4650N 3700E	<0.2	1.92	<5	31	0.5	11	0.07	<1	4	11	1	6.27	<1	0.03	<10	0.27	336	<2	0.01	2	0.048	11	0.02	<5	3	6	<5	0.20	<10	<10	161	<10	21	4
4650N 3725E	<0.2	2.36	<5	26	0.5	<5	0.11	<1	4	14	6	2.29	<1	0.03	<10	0.37	223	<2	0.01	4	0.034	16	0.02	<5	4	8	<5	0.14	<10	<10	71	<10	32	3
4650N 3750E	<0.2	1.31	<5	15	<0.5	<5	0.08	<1	1	4	1	1.56	<1	0.02	<10	0.07	95	<2	0.01	<1	0.021	12	0.01	<5	2	6	<5	0.09	<10	<10	55	<10	8	2
4650N 3775E	<0.2	1.41	<5	35	<0.5	5	0.25	<1	8	8	9	2.59	<1	0.05	<10	0.68	436	<2	0.02	5	0.046	7	0.03	<5	4	12	<5	0.09	<10	<10	54	<10	46	1
4650N 3800E	<0.2	1.53	<5	36	<0.5	5	0.20	<1	7	9	11	2.73	<1	0.06	<10	0.65	407	<2	0.02	5	0.050	8	0.03	<5	3	12	<5	0.07	<10	<10	56	<10	45	1
4650N 3825E	<0.2	1.57	<5	44	<0.5	5	0.22	<1	7	9	11	2.76	<1	0.09	<10	0.60	399	<2	0.02	5	0.081	8	0.06	<5	2	13	<5	0.06	<10	<10	56	<10	45	1
4650N 3850E	<0.2	1.93	<5	43	<0.5	6	0.21	<1	8	10	17	3.12	1	0.08	<10	0.72	463	<2	0.02	6	0.088	9	0.06	<5	2	11	<5	0.06	<10	<10	58	<10	52	1
4600N 2425E	<0.2	1.86	<5	27	<0.5	5	0.12	<1	6	12	10	2.42	1	0.05	<10	0.42	289	<2	0.01	5	0.063	16	0.02	<5	3	9	<5	0.07	<10	<10	55	<10	38	1
4600N 2450E(A)	0.4	1.49	<5	24	<0.5	<5	0.06	<1	2	8	4	2.00	1	0.04	<10	0.14	140	<2	0.01	2	0.074	15	0.05	<5	1	6	<5	0.07	<10	<10	67	<10	14	1
4600N 2450E(B)	0.4	2.80	<5	26	0.5	9	0.10	<1	10	18	8	4.95	1	0.05	<10	0.47	799	<2	0.02	4	0.051	18	0.04	<5	3	7	<5	0.10	<10	<10	80	<10	38	3
4600N 2475E	<0.2	1.98	<5	22	<0.5	5	0.13	<1	6	11	10	2.57	1	0.03	<10	0.46	316	<2	0.01	5	0.039	12	0.04	<5	3	9	<5	0.10	<10	<10	49	<10	33	2
4600N 2500E	<0.2	2.33	<5	55	<0.5	6	0.09	<1	4	12	4	3.08	<1	0.09	10	0.31	241	4	0.01	5	0.103	23	0.08	<5	1	8	<5	0.06	<10	<10	52	<10	31	2
4600N 2525E	<0.2	3.03	<5	31	<0.5	5	0.13	<1	6	14	6	2.93	1	0.03	<10	0.39	309	<2	0.01	4	0.056	18	0.03	<5	3	9	<5	0.09	<10	<10	60	<10	41	1
4600N 2550E	<0.2	1.77	<5	26	<0.5	<5	0.09	<1	3	9	2	1.67	<1	0.04	<10	0.26	190	4	0.01	3	0.044	15	0.05	<5	2	8	<5	0.10	<10	<10	50	<10	22	1
4600N 2575E	<0.2	1.31	<5	28	<0.5	<5	0.15	<1	6	10	3	2.23	1	0.04	<10	0.31	290	<2	0.01	4	0.046	11	0.04	<5	2	13	<5	0.12	<10	<10	64	<10	26	1
4600N 2600E	<0.2	1.93	<5	55	<0.5	<5	0.09	<1	5	11	6	2.28	<1	0.09	<10	0.35	512	<2	0.01	4	0.052	16	0.04	<5	2	9	<5	0.07	<10	<10	69	<10	31	1
4600N 2625E	<0.2	1.84	<5	29	<0.5	<5	0.12	<1	5	11	5	2.10	1	0.04	<10	0.33	264	<2	0.01	5	0.046	14	0.03	<5	2	9	<5	0.09	<10	<10	52	<10	31	1
4600N 2650E	<0.2	1.09	<5	20	<0.5	<5	0.10	<1	2	6	2	1.40	<1	0.03	<10	0.12	102	<2	0.01	2	0.045	12	0.04	<5	1	8	<5	0.07	<10	<10	33	<10	11	1
4600N 2675E(A)	<0.2	1.77	<5	18	0.5	5	0.12	<1	6	11	6	2.94	1	0.04	<10	0.45	438	<2	0.01	4	0.045	13	0.04	<5	2	9	<5	0.11	<10	<10	64	<10	38	3
4600N 2675E(B)	<0.2	2.01	<5	19	0.5	5	0.14	<1	6	13	8	2.97	<1	0.04	<10	0.42	393	<2	0.01	4	0.062	14	0.05	<5	2	9	<5	0.10	<10	<10	67	<10	35	3
4600N 2700E(A)	<0.2	1.96	<5	31	<0.5	<5	0.20	<1	7	10	7	2.25	<1	0.05	<10	0.54	330	<2	0.01	6	0.055	12	0.03	<5	3	11	<5	0.08	<10	<10	44	<10	44	1
4600N 2700E(B)	<0.2	1.84	<5	34	<0.5	<5	0.27	<1	8	12	10	2.30	1	0.06	<10	0.52	339	<2	0.01	6	0.072	12	0.03	<5	4	14	<5	0.10	<10	<10	48	<10	57	2
4600N 2725E(A)	<0.2	0.87	<5	34	<0.5	<5	0.07	<1	1	5	1	1.00	<1	0.04	<10	0.06	71	<2	0.01	1	0.040	9	0.03	<5	1	7	<5	0.06	<10	<10	33	<10	10	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4600N 2725E(B)	<0.2	1.11	<5	31	<0.5	<5	0.07	<1	2	6	1	1.71	<1	0.04	<10	0.09	154	<2	0.01	1	0.033	11	0.02	<5	2	8	<5	0.11	<10	<10	57	<10	12	1
4600N 2750E	<0.2	1.72	<5	41	<0.5	12	0.08	<1	4	11	6	6.44	<1	0.03	<10	0.17	193	<2	0.01	2	0.051	8	0.04	<5	2	8	<5	0.13	<10	<10	100	<10	17	3
4600N 2775E	<0.2	2.65	<5	39	<0.5	8	0.14	<1	8	17	15	3.85	<1	0.07	<10	0.54	498	<2	0.02	6	0.098	19	0.06	<5	2	10	<5	0.05	<10	<10	70	<10	47	1
4600N 2800E	<0.2	2.17	<5	26	<0.5	5	0.05	<1	5	10	7	2.69	<1	0.02	<10	0.32	333	<2	0.01	5	0.056	17	0.05	<5	1	5	<5	0.06	<10	<10	53	<10	30	1
4600N 2825E	<0.2	2.04	<5	17	<0.5	6	0.07	<1	4	10	6	2.77	1	0.02	<10	0.30	262	<2	0.01	3	0.069	14	0.03	<5	2	5	<5	0.07	<10	<10	49	<10	27	1
4600N 2850E	<0.2	1.54	<5	45	<0.5	<5	0.12	<1	5	10	7	1.50	<1	0.02	<10	0.42	247	<2	0.01	5	0.042	11	0.03	<5	3	7	<5	0.06	<10	<10	34	<10	33	1
4600N 2875E	<0.2	2.08	<5	20	<0.5	7	0.04	<1	4	9	5	3.67	1	0.02	<10	0.27	199	<2	0.01	3	0.047	15	0.03	<5	3	4	<5	0.10	<10	<10	65	<10	24	1
4600N 2900E	<0.2	1.66	<5	29	<0.5	5	0.09	<1	6	10	12	2.59	<1	0.03	<10	0.49	342	<2	0.01	6	0.042	14	0.02	<5	2	5	<5	0.07	<10	<10	56	<10	38	1
4600N 2925E	<0.2	1.89	<5	19	<0.5	5	0.07	<1	5	11	10	2.63	<1	0.02	<10	0.38	295	<2	0.01	5	0.043	18	0.03	<5	2	5	<5	0.08	<10	<10	45	<10	30	1
4600N 2950E	<0.2	3.04	<5	21	0.5	9	0.05	<1	6	13	11	4.82	1	0.02	<10	0.37	273	<2	0.01	3	0.045	18	0.02	<5	5	4	<5	0.17	<10	<10	112	<10	28	8
4600N 2975E	<0.2	1.42	<5	32	<0.5	<5	0.03	<1	1	5	3	0.43	<1	0.02	<10	0.06	40	<2	0.02	2	0.215	10	0.17	<5	<1	2	<5	0.01	<10	<10	15	<10	7	1
4600N 3000E	<0.2	1.03	<5	20	<0.5	<5	0.03	<1	1	3	1	0.70	<1	0.01	<10	0.04	39	<2	0.01	1	0.017	13	0.01	<5	1	3	<5	0.08	<10	<10	28	<10	4	<1
4600N 3025E	<0.2	1.03	10	16	<0.5	11	0.03	<1	3	9	3	5.86	<1	0.03	<10	0.16	126	<2	0.01	2	0.049	6	0.02	<5	1	4	<5	0.14	<10	<10	110	<10	14	2
4600N 3050E	<0.2	0.27	<5	<10	<0.5	<5	0.02	<1	1	1	<1	0.24	<1	0.01	<10	0.01	21	<2	0.01	<1	0.014	2	0.01	<5	<1	2	<5	0.02	<10	<10	9	<10	1	<1
4600N 3075E	<0.2	1.59	<5	27	<0.5	<5	0.07	<1	5	10	8	1.63	<1	0.02	<10	0.45	268	<2	0.01	5	0.026	14	0.02	<5	3	6	<5	0.07	<10	<10	42	<10	32	1
4600N 3100E	<0.2	2.37	<5	38	<0.5	7	0.07	<1	10	13	14	3.61	<1	0.05	<10	0.51	654	<2	0.01	5	0.051	16	0.04	<5	3	14	<5	0.07	<10	<10	58	<10	46	1
4600N 3125E(A)	<0.2	1.93	<5	25	<0.5	6	0.07	<1	5	9	4	2.77	<1	0.03	<10	0.30	365	<2	0.01	3	0.059	15	0.05	<5	2	5	<5	0.08	<10	<10	68	<10	24	1
4600N 3125E(B)	<0.2	2.09	<5	21	<0.5	5	0.05	<1	5	11	5	2.66	1	0.02	<10	0.34	312	<2	0.01	3	0.044	14	0.04	<5	2	4	<5	0.07	<10	<10	56	<10	28	1
4600N 3150E(A)	<0.2	1.68	<5	18	<0.5	5	0.04	<1	4	9	3	2.65	<1	0.02	<10	0.25	191	<2	0.01	3	0.045	16	0.02	<5	2	4	<5	0.10	<10	<10	52	<10	22	1
4600N 3150E(B)	<0.2	1.76	<5	18	<0.5	5	0.04	<1	4	8	3	2.54	1	0.02	<10	0.25	190	<2	0.01	3	0.047	16	0.03	<5	2	4	<5	0.09	<10	<10	53	<10	21	1
4600N 3175E(A)	<0.2	1.18	<5	17	<0.5	<5	0.04	<1	3	7	3	2.13	<1	0.02	<10	0.19	142	<2	0.01	2	0.033	11	0.02	<5	1	4	<5	0.06	<10	<10	43	<10	16	1
4600N 3175E(B)	<0.2	1.44	<5	19	<0.5	<5	0.05	<1	4	9	4	2.23	1	0.02	<10	0.29	180	<2	0.01	3	0.027	12	0.02	<5	1	5	<5	0.06	<10	<10	42	<10	24	1
4600N 3200E	<0.2	2.15	<5	21	<0.5	7	0.04	<1	7	16	6	3.74	1	0.03	<10	0.48	477	<2	0.01	7	0.055	18	0.04	<5	1	3	<5	0.08	<10	<10	74	<10	33	1
4600N 3225E	<0.2	2.35	<5	27	0.5	6	0.05	<1	5	11	12	3.34	<1	0.02	13	0.24	281	<2	0.01	3	0.044	17	0.03	<5	4	5	<5	0.09	<10	<10	66	<10	21	1
4600N 3250E	0.5	3.09	<5	20	<0.5	5	0.04	1	2	11	22	2.10	<1	0.02	<10	0.09	76	<2	0.02	2	0.120	19	0.09	<5	<1	4	<5	0.01	<10	<10	22	<10	10	1
4600N 3275E	0.3	1.43	<5	42	<0.5	<5	0.09	<1	6	10	5	2.08	1	0.05	<10	0.44	480	<2	0.01	6	0.043	13	0.03	<5	1	7	<5	0.05	<10	<10	52	<10	38	1
4600N 3300E	<0.2	1.60	<5	47	<0.5	<5	0.12	<1	6	10	10	2.23	1	0.04	<10	0.45	328	<2	0.01	5	0.043	11	0.03	<5	3	8	<5	0.05	<10	<10	43	<10	36	1
4600N 3325E	0.2	1.02	<5	44	<0.5	<5	0.06	<1	2	5	3	1.17	<1	0.05	<10	0.13	107	<2	0.01	2	0.033	13	0.02	<5	1	6	<5	0.04	<10	<10	36	<10	18	<1
4600N 3350E	<0.2	1.94	<5	42	<0.5	7	0.06	<1	8	11	10	3.76	1	0.05	<10	0.55	409	<2	0.01	6	0.028	12	0.01	<5	3	6	<5	0.06	<10	<10	64	<10	48	1
4600N 3375E	<0.2	2.11	<5	38	<0.5	7	0.06	<1	5	10	7	3.39	1	0.04	<10	0.37	238	<2	0.01	4	0.037	16	0.02	<5	3	5	<5	0.07	<10	<10	61	<10	33	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4600N 3400E	<0.2	1.74	<5	30	<0.5	7	0.06	<1	4	8	5	3.70	1	0.03	<10	0.28	189	<2	0.01	3	0.062	13	0.02	<5	2	4	<5	0.06	<10	<10	71	<10	24	1
4600N 3425E	<0.2	1.45	<5	26	<0.5	<5	0.05	<1	1	6	3	0.57	<1	0.03	<10	0.08	52	<2	0.01	1	0.072	14	0.05	<5	<1	4	<5	0.02	<10	<10	17	<10	7	<1
4600N 3450E	<0.2	1.97	<5	20	<0.5	5	0.09	<1	5	14	8	2.87	<1	0.03	<10	0.39	352	<2	0.01	5	0.060	13	0.03	<5	2	6	<5	0.07	<10	<10	55	<10	32	1
4600N 3475E	<0.2	1.81	<5	24	<0.5	<5	0.16	<1	5	11	10	2.32	<1	0.03	<10	0.40	314	<2	0.01	5	0.069	10	0.02	<5	2	7	<5	0.07	<10	<10	46	<10	39	1
4600N 3500E(A)	<0.2	1.88	<5	20	<0.5	5	0.05	<1	4	9	5	2.71	<1	0.02	<10	0.35	220	<2	0.01	4	0.027	12	0.02	<5	2	4	<5	0.07	<10	<10	49	<10	28	1
4600N 3500E(B)	<0.2	1.82	<5	21	<0.5	5	0.06	<1	4	9	4	2.45	<1	0.02	<10	0.31	195	<2	0.01	3	0.037	12	0.03	<5	2	5	<5	0.06	<10	<10	49	<10	24	1
4600N 3525E(A)	<0.2	1.61	<5	19	<0.5	5	0.10	<1	5	10	6	2.81	<1	0.02	<10	0.38	269	<2	0.01	4	0.036	10	0.01	<5	2	7	<5	0.09	<10	<10	54	<10	31	1
4600N 3525E(B)	<0.2	1.70	<5	21	<0.5	5	0.10	<1	5	10	8	2.75	<1	0.02	<10	0.38	284	<2	0.01	4	0.042	11	0.01	<5	2	6	<5	0.08	<10	<10	52	<10	32	1
4600N 3550E(A)	<0.2	0.42	<5	12	<0.5	<5	0.05	<1	1	2	5	0.31	<1	0.01	<10	0.02	31	<2	0.01	2	0.023	7	0.02	<5	<1	4	<5	0.04	<10	<10	13	<10	5	<1
4600N 3550E(B)	<0.2	0.47	<5	12	<0.5	<5	0.03	<1	<1	1	<1	0.37	<1	0.01	<10	0.02	27	<2	0.01	<1	0.023	7	0.01	<5	<1	3	<5	0.04	<10	<10	13	<10	2	<1
4600N 3575E	<0.2	0.71	<5	19	<0.5	<5	0.05	<1	3	6	4	1.57	<1	0.02	<10	0.15	143	<2	0.01	2	0.022	32	0.01	<5	1	5	<5	0.10	<10	<10	40	<10	22	<1
4600N 3600E	<0.2	0.74	<5	16	<0.5	<5	0.02	<1	1	5	<1	1.99	<1	0.01	<10	0.07	62	<2	0.01	1	0.028	5	0.01	<5	1	3	<5	0.04	<10	<10	43	<10	7	1
4600N 3625E	<0.2	1.84	<5	16	0.5	16	0.05	<1	5	12	3	8.39	1	0.03	<10	0.37	317	<2	0.01	2	0.140	9	0.02	<5	2	4	<5	0.16	<10	<10	165	<10	26	3
4600N 3650E	<0.2	0.38	<5	10	<0.5	<5	0.03	<1	<1	1	<1	0.35	<1	0.01	<10	0.01	28	<2	0.01	<1	0.008	3	<0.01	<5	1	3	<5	0.03	<10	<10	15	<10	1	<1
4600N 3675E	<0.2	1.61	<5	24	<0.5	6	0.06	<1	5	8	4	2.95	1	0.02	<10	0.28	260	<2	0.01	3	0.031	11	0.02	<5	3	4	<5	0.11	<10	<10	59	<10	22	1
4600N 3700E	<0.2	1.82	<5	26	0.5	5	0.09	<1	4	8	4	2.49	1	0.02	<10	0.38	250	<2	0.01	3	0.033	12	0.03	<5	2	6	<5	0.11	<10	<10	49	<10	29	1
4600N 3725E	<0.2	1.34	<5	34	<0.5	5	0.20	<1	7	9	12	2.46	<1	0.04	<10	0.62	380	<2	0.01	4	0.054	7	0.02	<5	3	8	<5	0.08	<10	<10	52	<10	43	1
4600N 3750E	<0.2	1.01	<5	22	<0.5	5	0.17	<1	7	9	14	2.56	<1	0.02	<10	0.64	422	<2	0.01	5	0.052	5	0.01	<5	3	5	<5	0.06	<10	<10	49	<10	45	1
4600N 3775E	<0.2	1.36	<5	54	<0.5	5	0.14	<1	7	10	17	2.60	<1	0.04	<10	0.45	507	<2	0.01	6	0.058	9	0.01	<5	3	9	<5	0.05	<10	<10	48	<10	43	1
4600N 3800E	<0.2	1.26	<5	21	<0.5	<5	0.05	<1	3	8	2	1.37	<1	0.02	<10	0.23	139	<2	0.01	4	0.043	12	0.04	<5	1	3	<5	0.06	<10	<10	34	<10	17	<1
4600N 3825E	<0.2	1.07	<5	26	<0.5	<5	0.16	<1	6	8	13	2.35	<1	0.03	<10	0.62	380	<2	0.01	4	0.056	6	0.01	<5	3	5	<5	0.05	<10	<10	46	<10	44	1
4600N 3850E	<0.2	1.10	<5	27	<0.5	<5	0.15	<1	6	8	11	2.33	<1	0.03	<10	0.60	364	<2	0.01	4	0.052	6	0.01	<5	3	5	<5	0.05	<10	<10	47	<10	41	1
4550N 2500E	0.2	1.88	<5	19	<0.5	<5	0.03	<1	3	8	7	1.29	<1	0.02	<10	0.20	125	<2	0.01	3	0.076	15	0.07	<5	1	2	<5	0.04	<10	<10	31	<10	16	<1
4550N 2525E	<0.2	0.47	<5	23	<0.5	<5	0.03	<1	1	3	1	0.61	<1	0.02	<10	0.06	41	<2	0.01	1	0.029	9	0.02	<5	<1	2	<5	0.06	<10	<10	23	<10	4	<1
4550N 2550E	<0.2	1.87	<5	16	<0.5	8	0.03	<1	4	9	2	4.27	1	0.02	<10	0.34	202	<2	0.01	3	0.042	10	0.04	<5	1	3	<5	0.11	<10	<10	49	<10	23	2
4550N 2575E	0.2	2.45	<5	76	<0.5	5	0.09	<1	10	11	19	2.27	1	0.05	<10	0.61	416	<2	0.01	8	0.037	15	0.02	<5	3	6	<5	0.04	<10	<10	33	<10	46	1
4550N 2600E	<0.2	0.76	<5	15	<0.5	<5	0.01	<1	1	4	1	2.37	<1	0.02	<10	0.05	67	<2	0.01	<1	0.017	6	<0.01	<5	1	2	<5	0.11	<10	<10	84	<10	7	1
4550N 2625E	<0.2	1.13	<5	17	<0.5	9	0.03	<1	2	9	2	4.73	<1	0.03	<10	0.10	78	<2	0.01	1	0.059	6	0.01	<5	1	2	<5	0.14	<10	<10	156	<10	21	3
4550N 2650E	<0.2	2.20	<5	19	<0.5	7	0.02	<1	2	8	3	3.79	1	0.02	<10	0.07	64	<2	0.01	<1	0.031	16	0.02	<5	2	2	<5	0.08	<10	<10	69	<10	7	5
4550N 2675E	<0.2	1.85	<5	20	<0.5	5	0.03	<1	3	9	5	2.67	<1	0.01	<10	0.21	148	<2	0.01	3	0.042	12	0.02	<5	1	2	<5	0.05	<10	<10	49	<10	20	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4550N 2700E	<0.2	1.26	<5	23	<0.5	<5	0.03	<1	4	8	7	2.23	1	0.03	<10	0.37	308	<2	0.01	4	0.079	9	0.05	<5	<1	2	<5	0.04	<10	<10	38	<10	39	1
4550N 2725E	<0.2	0.92	<5	19	<0.5	<5	0.03	<1	2	4	2	1.24	<1	0.02	<10	0.10	81	<2	0.01	1	0.041	10	0.03	<5	<1	3	<5	0.04	<10	<10	31	<10	9	<1
4550N 2750E	0.2	2.54	<5	30	<0.5	7	0.04	<1	8	11	11	3.16	<1	0.03	<10	0.43	791	2	0.01	5	0.088	16	0.06	<5	1	3	<5	0.03	<10	<10	52	<10	35	1
4550N 2775E(A)	<0.2	2.17	<5	36	0.5	6	0.16	<1	7	13	4	3.44	1	0.06	<10	0.56	413	<2	0.02	5	0.042	13	0.03	<5	3	11	<5	0.11	<10	<10	71	<10	36	1
4550N 2775E(B)	<0.2	1.89	<5	33	0.5	7	0.16	<1	8	11	3	3.60	1	0.05	<10	0.54	371	<2	0.02	5	0.040	11	0.02	<5	3	9	<5	0.11	<10	<10	91	<10	39	1
4550N 2800E	<0.2	2.16	<5	25	0.5	7	0.10	<1	5	11	4	3.58	1	0.03	<10	0.41	261	<2	0.01	4	0.036	14	0.04	<5	2	8	<5	0.11	<10	<10	60	<10	33	1
4550N 2825E(A)	0.2	2.03	<5	35	<0.5	<5	0.08	<1	3	8	4	2.19	1	0.04	<10	0.18	136	<2	0.01	2	0.034	16	0.03	<5	2	7	<5	0.08	<10	<10	64	<10	22	1
4550N 2825E(B)	<0.2	3.11	<5	35	0.5	7	0.07	<1	6	13	7	4.23	1	0.04	<10	0.44	289	<2	0.01	5	0.036	19	0.04	<5	4	6	<5	0.10	<10	<10	76	<10	37	1
4550N 2850E(A)	<0.2	4.27	<5	42	0.6	11	0.07	<1	6	19	8	5.60	1	0.03	<10	0.36	297	<2	0.01	4	0.031	25	0.03	<5	5	6	<5	0.12	<10	<10	94	<10	33	6
4550N 2850E(B)	<0.2	3.44	<5	46	0.6	8	0.08	<1	7	17	8	4.32	1	0.03	<10	0.43	349	<2	0.01	5	0.029	20	0.02	<5	5	8	<5	0.11	<10	<10	90	<10	44	2
4550N 2875E	<0.2	1.43	<5	29	<0.5	8	0.08	<1	5	10	5	4.60	<1	0.05	<10	0.34	266	<2	0.01	3	0.052	12	0.02	<5	3	6	<5	0.13	<10	<10	129	<10	29	1
4550N 2900E	<0.2	1.33	<5	25	<0.5	7	0.06	<1	3	7	3	4.10	<1	0.03	<10	0.18	169	<2	0.01	1	0.031	9	0.02	<5	2	6	<5	0.12	<10	<10	101	<10	21	1
4550N 2925E	0.2	2.45	<5	30	<0.5	<5	0.06	<1	4	9	13	1.73	1	0.03	<10	0.21	164	<2	0.01	2	0.070	20	0.04	<5	1	6	<5	0.05	<10	<10	35	<10	20	1
4550N 2950E	<0.2	2.39	<5	41	0.6	<5	0.10	<1	5	15	6	2.14	<1	0.05	<10	0.38	273	<2	0.01	5	0.073	21	0.05	<5	1	8	<5	0.10	<10	<10	55	<10	33	1
4550N 2975E	<0.2	0.72	<5	22	<0.5	<5	0.05	<1	2	6	2	1.68	<1	0.05	<10	0.14	130	<2	0.01	2	0.043	9	0.02	<5	2	5	<5	0.14	<10	<10	56	<10	13	1
4550N 3000E	<0.2	1.07	<5	15	<0.5	<5	0.07	<1	4	8	1	2.76	<1	0.03	<10	0.28	246	<2	0.01	3	0.037	8	0.02	<5	2	6	<5	0.13	<10	<10	67	<10	23	1
4550N 3025E	<0.2	0.94	<5	22	<0.5	<5	0.07	<1	1	4	<1	0.60	<1	0.02	<10	0.10	70	<2	0.01	1	0.021	13	0.02	<5	1	6	<5	0.09	<10	<10	26	<10	10	<1
4550N 3050E	<0.2	1.42	<5	38	<0.5	5	0.20	<1	7	10	15	2.96	<1	0.04	<10	0.60	389	<2	0.01	5	0.054	8	0.02	<5	4	12	<5	0.09	<10	<10	56	<10	47	1
4550N 3075E	<0.2	2.54	<5	28	0.5	<5	0.10	<1	6	12	10	2.38	<1	0.04	<10	0.50	283	<2	0.01	4	0.040	18	0.03	<5	3	8	<5	0.08	<10	<10	52	<10	37	1
4550N 3100E	<0.2	1.63	<5	35	<0.5	5	0.08	<1	3	8	3	2.92	<1	0.03	<10	0.19	151	<2	0.01	2	0.072	12	0.05	<5	1	6	<5	0.06	<10	<10	59	<10	21	1
4550N 3125E	<0.2	1.14	<5	32	<0.5	<5	0.29	<1	7	10	11	2.33	<1	0.04	<10	0.68	397	<2	0.02	6	0.059	7	0.02	<5	4	13	<5	0.10	<10	<10	54	<10	51	2
4550N 3150E	<0.2	1.26	<5	31	0.5	5	0.27	<1	8	11	13	3.19	<1	0.04	<10	0.74	481	<2	0.02	6	0.063	6	0.03	<5	4	12	<5	0.10	<10	<10	65	<10	56	1
4550N 3175E	<0.2	1.29	<5	39	<0.5	5	0.21	<1	8	11	13	2.97	<1	0.04	<10	0.61	455	<2	0.02	6	0.043	8	0.02	<5	3	14	<5	0.08	<10	<10	63	<10	51	1
4550N 3200E	<0.2	2.27	<5	39	0.5	6	0.16	<1	8	11	10	3.35	<1	0.06	<10	0.70	509	<2	0.01	6	0.046	12	0.02	<5	5	11	<5	0.10	<10	<10	59	<10	54	2
4550N 3225E(A)	<0.2	2.29	<5	26	<0.5	8	0.12	<1	8	18	8	4.51	<1	0.04	<10	0.59	480	<2	0.01	5	0.040	12	0.02	<5	5	9	<5	0.12	<10	<10	98	<10	45	2
4550N 3225E(B)	<0.2	2.41	<5	25	0.5	7	0.14	<1	8	17	10	4.23	<1	0.04	<10	0.60	544	<2	0.01	5	0.045	13	0.02	<5	5	9	<5	0.13	<10	<10	90	<10	46	2
4550N 3250E(A)	<0.2	2.00	<5	37	0.5	7	0.21	<1	8	12	9	3.87	<1	0.05	<10	0.64	456	<2	0.01	4	0.076	11	0.05	<5	3	10	<5	0.09	<10	<10	79	<10	55	2
4550N 3250E(B)	<0.2	1.91	<5	33	0.5	7	0.20	<1	9	12	11	3.89	<1	0.04	<10	0.64	551	<2	0.01	4	0.064	10	0.04	<5	4	10	<5	0.10	<10	<10	73	<10	53	2
4550N 3275E(A)	<0.2	3.04	<5	51	0.5	7	0.10	<1	9	13	15	3.72	<1	0.08	<10	0.62	689	<2	0.01	7	0.069	22	0.06	<5	3	9	<5	0.07	<10	<10	66	<10	57	1
4550N 3275E(B)	<0.2	2.98	<5	52	0.6	7	0.15	<1	11	18	14	4.13	<1	0.09	<10	0.80	737	<2	0.02	9	0.056	22	0.04	<5	4	11	<5	0.09	<10	<10	76	<10	69	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4550N 3300E	<0.2	2.15	<5	32	0.5	5	0.10	<1	6	11	12	3.06	<1	0.05	<10	0.42	385	<2	0.01	5	0.048	16	0.04	<5	3	9	<5	0.09	<10	<10	60	<10	38	1
4550N 3325E	<0.2	1.63	<5	49	<0.5	<5	0.09	<1	6	9	7	2.44	<1	0.09	<10	0.47	344	<2	0.01	6	0.046	13	0.04	<5	2	10	<5	0.08	<10	<10	55	<10	44	1
4550N 3350E	1.4	3.19	<5	37	0.5	<5	0.05	1	4	10	18	1.84	<1	0.08	<10	0.24	189	<2	0.01	4	0.158	26	0.11	<5	<1	4	<5	0.02	<10	<10	33	<10	31	1
4550N 3375E	<0.2	2.52	<5	40	<0.5	7	0.10	<1	7	13	10	4.07	<1	0.05	<10	0.56	412	<2	0.01	7	0.039	18	0.02	<5	3	9	<5	0.09	<10	<10	70	<10	55	1
4550N 3400E	0.8	2.00	<5	21	<0.5	<5	0.05	<1	1	5	6	2.16	<1	0.04	<10	0.06	59	<2	0.01	1	0.104	14	0.06	<5	<1	5	<5	0.02	<10	<10	21	<10	8	1
4550N 3425E	<0.2	1.15	<5	69	<0.5	<5	0.05	<1	3	11	1	1.55	<1	0.06	<10	0.09	1433	<2	0.01	1	0.189	11	0.08	<5	<1	4	<5	0.07	<10	<10	31	<10	12	<1
4550N 3450E	<0.2	1.78	<5	27	<0.5	<5	0.04	<1	1	5	2	1.14	<1	0.03	<10	0.09	45	<2	0.01	1	0.071	16	0.05	<5	<1	4	<5	0.02	<10	<10	38	<10	7	<1
4550N 3475E	<0.2	1.03	<5	18	<0.5	<5	0.10	<1	2	6	2	1.32	<1	0.02	<10	0.12	93	<2	0.02	3	0.037	11	0.02	<5	2	8	<5	0.09	<10	<10	43	<10	14	<1
4550N 3500E	0.2	1.01	<5	26	<0.5	<5	0.07	<1	1	2	3	1.13	<1	0.03	<10	0.04	43	<2	0.01	<1	0.053	10	0.03	<5	1	6	<5	0.03	<10	<10	20	<10	7	<1
4550N 3525E	<0.2	0.86	<5	17	<0.5	<5	0.11	<1	3	7	3	1.45	<1	0.03	<10	0.21	162	<2	0.01	3	0.032	7	0.02	<5	1	8	<5	0.06	<10	<10	35	<10	20	<1
4550N 3550E	<0.2	1.33	<5	22	<0.5	7	0.09	<1	3	9	<1	4.28	<1	0.03	<10	0.26	196	<2	0.01	2	0.038	11	0.02	<5	2	8	<5	0.14	<10	<10	88	<10	28	1
4550N 3575E	<0.2	2.48	27	25	0.6	12	0.06	<1	7	11	2	6.54	1	0.04	<10	0.53	523	<2	0.01	4	0.070	17	0.02	<5	4	5	<5	0.18	<10	<10	136	<10	41	2
4550N 3600E	<0.2	1.80	<5	35	0.5	10	0.09	<1	5	12	5	5.64	<1	0.03	<10	0.38	357	<2	0.01	3	0.066	10	0.02	<5	3	7	<5	0.16	<10	<10	124	<10	30	2
4550N 3625E(A)	3.9	3.73	<5	25	0.7	<5	0.12	1	3	18	122	0.96	<1	0.03	19	0.28	140	<2	0.02	6	0.411	539	0.24	<5	<1	5	<5	0.01	<10	<10	27	<10	59	1
4550N 3625E(B)	5.1	2.78	<5	20	0.5	<5	0.08	1	3	10	53	0.71	<1	0.03	16	0.09	100	<2	0.02	4	0.541	533	0.31	<5	<1	4	<5	0.01	<10	<10	26	<10	17	<1
4550N 3650E	0.7	1.59	<5	28	<0.5	<5	0.20	2	3	22	17	0.88	<1	0.05	12	0.24	162	<2	0.02	4	0.139	204	0.18	<5	<1	11	<5	0.01	<10	<10	21	<10	40	<1
4550N 3675E(A)	<0.2	1.40	<5	45	0.5	<5	0.31	<1	7	10	13	2.30	<1	0.05	<10	0.71	433	<2	0.02	5	0.056	9	0.02	<5	5	15	<5	0.11	<10	<10	59	<10	53	1
4550N 3675E(B)	<0.2	1.33	<5	39	<0.5	<5	0.20	<1	8	9	21	2.01	1	0.03	<10	0.68	407	<2	0.02	5	0.053	9	0.02	<5	3	9	<5	0.07	<10	<10	48	<10	53	1
4550N 3700E	<0.2	2.42	<5	24	<0.5	<5	0.07	<1	4	9	10	1.68	1	0.02	<10	0.34	191	<2	0.01	3	0.041	23	0.03	<5	2	5	<5	0.05	<10	<10	33	<10	28	1
4550N 3725E	0.5	1.66	<5	23	<0.5	<5	0.07	<1	1	15	9	0.15	<1	0.02	12	0.03	15	<2	0.01	3	0.248	41	0.14	<5	<1	5	<5	0.02	<10	<10	24	<10	9	1
4550N 3750E	<0.2	1.75	<5	19	<0.5	<5	0.12	<1	4	8	3	1.56	<1	0.02	<10	0.33	241	<2	0.01	3	0.051	11	0.04	<5	2	5	<5	0.05	<10	<10	30	<10	26	1
4550N 3775E	0.2	2.24	<5	27	<0.5	5	0.06	<1	5	10	9	2.26	1	0.03	<10	0.43	243	<2	0.01	4	0.027	16	0.02	<5	3	5	<5	0.07	<10	<10	42	<10	39	1
4550N 3800E(A)	<0.2	1.56	<5	21	<0.5	<5	0.06	<1	5	9	4	1.75	<1	0.03	<10	0.40	288	<2	0.01	5	0.082	14	0.07	<5	1	5	<5	0.04	<10	<10	40	<10	31	1
4550N 3800E(B)	<0.2	1.36	<5	19	<0.5	<5	0.11	<1	6	8	4	2.01	<1	0.02	<10	0.48	281	<2	0.01	4	0.040	11	0.02	<5	2	6	<5	0.07	<10	<10	38	<10	37	1
4550N 3825E	<0.2	1.84	<5	28	<0.5	5	0.10	<1	6	10	9	2.83	<1	0.03	<10	0.50	290	<2	0.01	5	0.048	12	0.02	<5	3	6	<5	0.06	<10	<10	51	<10	41	2
4550N 3850E	<0.2	2.27	<5	48	<0.5	5	0.07	<1	8	11	12	2.74	<1	0.06	<10	0.68	399	<2	0.01	8	0.059	17	0.04	<5	2	5	<5	0.03	<10	<10	52	<10	62	1
4500N 2450E	0.3	3.13	<5	87	0.7	6	0.10	<1	11	10	29	2.57	<1	0.05	<10	0.30	2848	<2	0.02	5	0.247	15	0.13	<5	<1	5	<5	<0.01	<10	<10	34	<10	28	1
4500N 2475E	<0.2	1.47	<5	21	<0.5	5	0.05	<1	4	7	5	2.79	<1	0.03	<10	0.27	162	<2	0.01	2	0.044	12	0.03	<5	2	4	<5	0.09	<10	<10	66	<10	20	1
4500N 2500E	<0.2	2.46	<5	81	0.5	<5	0.22	<1	4	10	17	2.46	<1	0.02	<10	0.31	255	<2	0.01	3	0.044	15	0.04	<5	2	8	<5	0.07	<10	<10	48	<10	25	1
4500N 2525E	<0.2	2.35	<5	26	<0.5	7	0.04	<1	5	11	5	3.97	1	0.02	<10	0.36	311	<2	0.01	3	0.038	13	0.02	<5	3	4	<5	0.08	<10	<10	72	<10	28	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

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T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4500N 2550E	<0.2	4.77	<5	21	0.5	9	0.03	<1	5	16	9	4.80	1	0.02	<10	0.33	237	<2	0.01	3	0.074	29	0.03	<5	4	3	<5	0.10	<10	<10	87	<10	44	8
4500N 2600E	<0.2	2.57	<5	74	0.6	6	0.07	<1	9	12	11	3.29	<1	0.05	<10	0.62	348	<2	0.01	8	0.037	16	0.03	<5	3	6	<5	0.06	<10	<10	50	<10	50	1
4500N 2625E	<0.2	2.17	<5	39	0.5	8	0.04	<1	6	10	6	4.50	1	0.04	<10	0.41	286	<2	0.01	4	0.023	14	0.02	<5	3	4	<5	0.08	<10	<10	79	<10	33	4
4500N 2650E(A)	<0.2	2.21	<5	35	<0.5	7	0.04	<1	5	9	6	3.83	1	0.03	<10	0.38	281	<2	0.01	4	0.036	16	0.01	<5	3	4	<5	0.08	<10	<10	74	<10	40	3
4500N 2650E(B)	0.2	3.18	<5	46	0.6	9	0.08	1	5	13	13	3.56	1	0.06	<10	0.41	312	<2	0.01	5	0.038	16	0.02	<5	5	7	<5	0.10	<10	<10	84	<10	50	4
4500N 2675E(A)	<0.2	5.15	<5	41	0.6	9	0.06	2	5	14	29	3.65	1	0.05	<10	0.28	421	<2	0.01	3	0.125	24	0.04	<5	5	4	<5	0.07	<10	<10	68	<10	37	8
4500N 2675E(B)	<0.2	5.24	<5	39	0.5	9	0.05	2	4	15	25	3.55	1	0.05	<10	0.27	338	<2	0.01	3	0.129	24	0.04	<5	5	4	<5	0.06	<10	<10	64	<10	33	8
4500N 2700E	<0.2	0.77	<5	29	<0.5	<5	0.08	<1	<1	2	1	0.68	<1	0.04	<10	0.05	83	<2	0.01	<1	0.022	2	0.01	<5	1	5	<5	0.01	<10	<10	15	<10	7	1
4500N 2725E	<0.2	2.00	<5	36	<0.5	10	0.06	1	3	10	10	4.14	<1	0.04	<10	0.19	146	<2	0.02	3	0.076	26	0.04	<5	1	6	<5	0.07	<10	<10	49	<10	33	1
4500N 2750E	<0.2	1.82	<5	18	0.5	5	0.05	1	2	13	3	1.94	<1	0.03	<10	0.18	153	<2	0.01	2	0.049	12	0.02	<5	2	5	<5	0.11	<10	<10	63	<10	11	1
4500N 2775E	<0.2	1.38	<5	38	<0.5	<5	0.11	<1	3	9	7	1.83	<1	0.04	<10	0.23	224	<2	0.01	2	0.054	7	0.01	<5	1	7	<5	0.08	<10	<10	43	<10	20	1
4500N 2800E	<0.2	2.08	<5	21	0.5	6	0.11	1	5	11	14	2.45	<1	0.03	<10	0.40	301	<2	0.01	4	0.051	8	0.02	<5	3	7	<5	0.08	<10	<10	57	<10	29	2
4500N 2825E	<0.2	1.82	<5	16	<0.5	6	0.12	1	5	10	10	2.36	1	0.03	<10	0.35	262	<2	0.01	3	0.043	6	0.02	<5	2	7	<5	0.07	<10	<10	45	<10	26	1
4500N 2850E	<0.2	1.52	<5	18	<0.5	<5	0.04	<1	2	8	6	1.26	<1	0.03	<10	0.15	113	<2	0.01	2	0.039	8	0.03	<5	1	4	<5	0.07	<10	<10	42	<10	11	1
4500N 2875E	1.7	2.39	<5	22	<0.5	5	0.05	1	2	7	11	1.54	1	0.07	<10	0.07	95	<2	0.02	1	0.101	11	0.07	<5	<1	5	<5	0.02	<10	<10	20	<10	10	1
4500N 2900E	<0.2	2.30	<5	16	0.5	6	0.07	1	5	10	3	2.31	<1	0.04	<10	0.42	279	<2	0.01	3	0.023	9	0.02	<5	4	6	<5	0.10	<10	<10	49	<10	28	2
4500N 2925E	<0.2	2.23	<5	26	0.5	7	0.10	1	5	11	7	2.57	<1	0.04	<10	0.35	288	<2	0.02	3	0.034	10	0.03	<5	3	7	<5	0.09	<10	<10	63	<10	24	1
4500N 2950E	<0.2	1.61	<5	26	<0.5	7	0.07	1	3	10	4	2.56	<1	0.07	<10	0.27	232	<2	0.02	2	0.050	7	0.03	<5	1	7	<5	0.06	<10	<10	62	<10	18	1
4500N 2975E	0.3	3.43	<5	25	0.6	10	0.08	1	5	15	13	3.54	<1	0.05	<10	0.37	339	5	0.02	3	0.079	14	0.05	<5	2	5	<5	0.09	<10	<10	57	<10	30	2
4500N 3000E(A)	<0.2	1.93	<5	15	0.5	6	0.15	1	9	13	12	2.98	<1	0.04	<10	0.51	665	<2	0.01	4	0.063	6	0.01	<5	4	7	<5	0.10	<10	<10	68	<10	38	2
4500N 3000E(B)	<0.2	1.88	<5	16	0.5	7	0.18	1	9	14	12	3.01	1	0.04	<10	0.53	727	<2	0.01	5	0.069	5	0.01	<5	4	8	<5	0.10	<10	<10	69	<10	41	2
4500N 3025E(A)	0.2	1.48	<5	20	<0.5	<5	0.07	<1	3	10	2	1.28	<1	0.04	<10	0.21	180	<2	0.02	2	0.060	10	0.04	<5	1	6	<5	0.07	<10	<10	42	<10	20	1
4500N 3025E(B)	<0.2	2.00	<5	23	<0.5	6	0.09	1	6	16	5	2.22	1	0.05	<10	0.58	354	<2	0.02	5	0.062	9	0.04	<5	2	6	<5	0.07	<10	<10	59	<10	30	1
4500N 3050E(A)	<0.2	1.33	<5	38	0.5	6	0.23	1	7	10	12	2.31	<1	0.06	<10	0.54	376	<2	0.02	5	0.053	6	0.02	<5	3	14	<5	0.08	<10	<10	61	<10	43	1
4500N 3050E(B)	<0.2	1.34	<5	34	0.5	5	0.21	<1	7	10	15	2.21	<1	0.05	<10	0.52	381	<2	0.02	5	0.047	5	0.02	<5	4	13	<5	0.08	<10	<10	57	<10	39	1
4500N 3075E	<0.2	2.41	<5	28	0.5	6	0.10	1	5	10	12	2.23	<1	0.05	<10	0.38	265	<2	0.02	4	0.038	11	0.03	<5	3	8	<5	0.07	<10	<10	48	<10	27	1
4500N 3100E	<0.2	1.38	<5	22	<0.5	6	0.11	<1	4	12	5	2.79	<1	0.04	<10	0.36	259	<2	0.01	3	0.039	8	0.03	<5	2	8	<5	0.09	<10	<10	71	<10	23	2
4500N 3125E	<0.2	2.45	<5	34	<0.5	5	0.13	1	5	12	10	2.19	1	0.05	<10	0.49	318	<2	0.01	5	0.046	11	0.03	<5	3	9	<5	0.07	<10	<10	53	<10	41	1
4500N 3150E	<0.2	1.19	<5	35	0.5	7	0.28	<1	8	15	13	2.92	1	0.05	<10	0.56	650	<2	0.02	5	0.046	4	0.02	<5	4	16	<5	0.10	<10	<10	76	<10	45	1
4500N 3175E	<0.2	0.79	<5	41	<0.5	<5	0.23	<1	3	9	7	0.97	<1	0.07	<10	0.22	159	<2	0.03	3	0.097	5	0.11	<5	1	13	<5	0.04	<10	<10	23	<10	26	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

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Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
Duplicates:																																		
4650N 2775E	<0.2	2.21	<5	26	<0.5	9	0.07	<1	2	8	2	4.89	<1	0.03	<10	0.17	130	<2	0.01	1	0.046	16	0.01	<5	3	7	<5	0.15	<10	<10	122	<10	18	3
4650N 3000E	<0.2	2.03	<5	25	<0.5	6	0.12	<1	5	10	4	3.17	<1	0.04	<10	0.41	266	<2	0.01	4	0.037	12	0.03	<5	3	9	<5	0.10	<10	<10	58	<10	34	1
4650N 3250E	<0.2	1.94	<5	24	<0.5	7	0.12	<1	7	13	11	3.32	<1	0.05	<10	0.45	636	<2	0.01	5	0.252	11	0.04	<5	2	8	<5	0.08	<10	<10	59	<10	36	2
4650N 3325E	<0.2	2.03	<5	100	<0.5	6	0.16	<1	9	13	9	3.04	<1	0.12	<10	0.48	628	2	0.02	6	0.047	19	0.03	<5	2	11	<5	0.05	<10	<10	74	<10	51	1
4650N 3550E	<0.2	2.33	<5	37	<0.5	6	0.10	<1	5	12	16	2.96	<1	0.04	<10	0.44	320	<2	0.01	5	0.043	23	0.03	<5	3	8	<5	0.11	<10	<10	70	<10	45	2
4650N 3800E	<0.2	1.49	<5	35	<0.5	5	0.19	<1	7	9	12	2.70	<1	0.06	<10	0.65	405	<2	0.02	5	0.050	8	0.03	<5	3	11	<5	0.07	<10	<10	55	<10	46	1
4600N 2425E	<0.2	2.00	<5	30	<0.5	5	0.14	<1	6	13	11	2.68	<1	0.05	<10	0.44	318	<2	0.01	5	0.068	17	0.03	<5	3	10	<5	0.08	<10	<10	60	<10	42	2
4600N 2550E	<0.2	1.76	<5	26	<0.5	<5	0.08	<1	3	9	2	1.64	<1	0.04	<10	0.25	184	4	0.01	3	0.042	15	0.05	<5	3	8	<5	0.09	<10	<10	48	<10	20	1
4600N 2725E(B)	<0.2	1.10	<5	31	<0.5	<5	0.08	<1	2	6	1	1.70	<1	0.04	<10	0.09	156	<2	0.01	1	0.032	11	0.02	<5	2	8	<5	0.11	<10	<10	57	<10	12	1
4600N 2800E	<0.2	2.19	<5	26	<0.5	5	0.05	<1	6	9	7	2.80	<1	0.03	<10	0.34	335	<2	0.01	5	0.056	17	0.05	<5	1	5	<5	0.07	<10	<10	55	<10	30	1
4600N 3025E	<0.2	1.05	10	17	<0.5	11	0.04	<1	3	10	3	5.96	<1	0.03	<10	0.17	131	<2	0.01	2	0.050	5	0.02	<5	1	4	<5	0.15	<10	<10	112	<10	15	2
4600N 3200E	<0.2	2.17	<5	21	<0.5	7	0.04	<1	7	16	6	3.78	<1	0.03	<10	0.48	478	<2	0.01	7	0.055	18	0.04	<5	1	3	<5	0.08	<10	<10	75	<10	34	1
4600N 3275E	0.3	1.56	<5	46	<0.5	5	0.11	<1	7	12	5	2.40	<1	0.05	<10	0.49	567	<2	0.01	7	0.048	15	0.04	<5	2	8	<5	0.06	<10	<10	60	<10	42	1
4600N 3500E(A)	<0.2	2.02	<5	23	<0.5	6	0.06	<1	5	10	6	2.86	<1	0.02	<10	0.39	243	<2	0.01	4	0.030	13	0.02	<5	2	5	<5	0.07	<10	<10	54	<10	30	1
4600N 3675E	<0.2	1.68	<5	26	<0.5	6	0.06	<1	5	8	4	3.00	<1	0.02	<10	0.28	269	<2	0.01	3	0.033	11	0.02	<5	3	4	<5	0.12	<10	<10	62	<10	22	1
4600N 3750E	<0.2	1.03	<5	23	<0.5	5	0.17	<1	7	9	13	2.69	1	0.03	<10	0.67	435	<2	0.01	5	0.052	5	0.01	<5	3	5	<5	0.06	<10	<10	51	<10	45	1
4550N 2500E	0.2	1.81	<5	19	<0.5	<5	0.03	<1	3	7	6	1.29	<1	0.02	<10	0.20	122	<2	0.01	3	0.070	14	0.07	<5	1	2	<5	0.04	<10	<10	30	<10	15	<1
4550N 2700E	<0.2	1.28	<5	23	<0.5	<5	0.03	<1	4	8	8	2.24	<1	0.03	<10	0.37	319	<2	0.01	4	0.081	10	0.05	<5	1	3	<5	0.04	<10	<10	39	<10	40	1
4550N 2775E(A)	<0.2	1.95	<5	32	<0.5	6	0.15	<1	6	11	3	3.15	<1	0.05	<10	0.52	379	<2	0.02	4	0.046	12	0.03	<5	2	9	<5	0.10	<10	<10	64	<10	35	1
4550N 2925E	<0.2	2.26	<5	28	<0.5	<5	0.06	<1	3	8	12	1.61	<1	0.03	<10	0.20	151	<2	0.01	2	0.077	18	0.03	<5	1	6	<5	0.05	<10	<10	33	<10	19	1
4550N 3175E	<0.2	1.49	<5	45	0.5	5	0.26	<1	10	12	15	3.39	<1	0.05	<10	0.68	528	<2	0.02	6	0.049	9	0.02	<5	4	16	<5	0.09	<10	<10	70	<10	57	1
4550N 3225E(B)	<0.2	2.49	<5	27	0.5	8	0.15	<1	9	17	10	4.37	1	0.05	<10	0.65	572	<2	0.01	6	0.047	14	0.02	<5	6	9	<5	0.12	<10	<10	91	<10	50	2
4550N 3400E	0.8	1.91	<5	20	<0.5	<5	0.04	<1	1	4	6	2.02	<1	0.03	<10	0.05	52	<2	0.01	1	0.102	13	0.06	<5	<1	4	<5	0.01	<10	<10	20	<10	7	1
4550N 3625E(B)	4.9	2.65	<5	19	0.5	<5	0.08	1	2	10	51	0.64	<1	0.03	15	0.09	87	<2	0.02	4	0.516	505	0.30	<5	<1	3	<5	0.01	<10	<10	23	<10	16	1
4550N 3675E(B)	<0.2	1.33	<5	40	<0.5	<5	0.19	<1	8	9	28	2.09	<1	0.04	<10	0.71	410	<2	0.01	5	0.055	9	0.02	<5	3	8	<5	0.07	<10	<10	49	<10	50	1
4500N 2450E	0.4	3.30	<5	90	0.8	6	0.11	<1	11	11	31	2.73	<1	0.05	10	0.32	2854	<2	0.02	5	0.252	17	0.14	<5	<1	5	<5	<0.01	<10	<10	37	<10	31	1
4500N 2650E(A)	<0.2	2.33	<5	37	<0.5	7	0.04	<1	5	9	6	3.99	1	0.03	<10	0.39	290	<2	0.01	4	0.040	17	0.01	<5	3	3	<5	0.07	<10	<10	76	<10	40	3
4500N 2650E(B)	0.2	2.96	<5	43	0.5	9	0.07	1	5	12	11	3.30	1	0.06	<10	0.39	288	<2	0.01	4	0.034	13	0.01	<5	4	6	<5	0.09	<10	<10	78	<10	45	4
4500N 2850E	<0.2	1.90	<5	24	<0.5	<5	0.05	<1	3	12	8	1.48	<1	0.03	<10	0.18	138	<2	0.01	3	0.055	12	0.05	<5	1	5	<5	0.09	<10	<10	54	<10	14	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1636SJ

Date : Oct-22-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm			
4500N 3050E(A)	<0.2	1.27	<5	38	0.5	6	0.24	<1	7	11	11	2.36	1	0.05	<10	0.56	389	<2	0.02	5	0.053	6	0.03	<5	3	14	<5	0.08	<10	<10	61	<10	46	2			
4500N 3100E	<0.2	1.44	<5	23	0.5	7	0.13	<1	5	13	5	2.97	<1	0.04	<10	0.38	286	<2	0.01	4	0.043	9	0.03	<5	2	8	<5	0.09	<10	<10	74	<10	25	1			
Standards:																																					
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	<1	<0.01	<10	<0.01	<5	<2	0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1			
CH-4	2.1	1.83	<5	258	<0.5	9	0.60	1	24	107	2171	4.63	1	1.42	14	1.25	334	3	0.05	51	0.069	10	0.56	<5	7	8	<5	0.19	<10	<10	75	<10	209	13			

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG1

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4500N 3200E	4
4500N 3225E	6
4500N 3250E	2
4500N 3275E	4
4500N 3300E	4
4500N 3325E	4
4500N 3350E	<2
4500N 3375E	2
4500N 3400E-A	10
4500N 3400E-B	4
4500N 3425E-A	4
4500N 3425E-B	4
4500N 3450E-A	4
4500N 3450E-B	2
4500N 3475E	2
4500N 3500E	4
4500N 3525E	6
4500N 3550E	4
4500N 3575E	4
4500N 3600E	4
4500N 3625E	6
4500N 3650E	5
*SG 40	1012
*BLANK	<2

Au 15g FA AA Finish

Certified by



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG2

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4500N 3675E	4
4500N 3700E	4
4500N 3725E	4
4500N 3750E	6
4500N 3775E	4
4500N 3800E-A	2
4500N 3800E-B	<2
4500N 3825E-A	2
4500N 3825E-B	2
4500N 3850E	6
4450N 2350E-NR	
4450N 2375E	2
4450N 2400E	4
4450N 2425E	4
4450N 2450E	6
4450N 2475E	6
4450N 2500E-A	6
4450N 2500E-B	2
4450N 2525E-A	2
4450N 2525E-B	2
4450N 2550E-A	8
4450N 2550E-B	4
*SG 40	945
*BLANK	<2

Au 15g FA AA Finish

Certified by



SGS Canada Inc.
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Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG3

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4450N 2575E	6
4450N 2600E	4
4450N 2625E	4
4450N 2650E	4
4450N 2675E	6
4450N 2700E	8
4450N 2725E	4
4450N 2750E	4
4450N 2775E	2
4450N 2800E	2
4450N 2825E	2
4450N 2850E	6
4450N 2875E-A	4
4450N 2875E-B	6
4450N 2900E	2
4450N 2925E-A	4
4450N 2925E-B	4
4450N 2950E	4
4450N 2975E	2
4450N 3000E	<2
4450N 3025E	8
4450N 3050E	4
*SG 40	1029
*BLANK	<2

Au 15g FA AA Finish

Certified by



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG4

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4450N 3075E	4
4450N 3100E	4
4450N 3125E	6
4450N 3150E	3
4450N 3175E	4
4450N 3200E	8
4450N 3225E	2
4450N 3250E	2
4450N 3275E	4
4450N 3300E	4
4450N 3325E	2
4450N 3350E	2
4450N 3375E-A	4
4450N 3375E-B	6
4450N 3400E-A	4
4450N 3400E-B	4
4450N 3425E-A	2
4450N 3425E-B	6
4450N 3450E	4
4450N 3475E	4
4450N 3500E	4
4450N 3525E	3
*SG40	1013
*BLANK	<2

Au 15g FA AA Finish

Certified by _____



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CERTIFICATE OF ANALYSIS

0V-1637-SG5

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4450N 3550E	2
4450N 3575E	6
4450N 3600E	10
4450N 3625E	8
4450N 3650E	4
4450N 3675E	10
4450N 3700E	6
4450N 3725E	6
4450N 3750E	6
4450N 3775E-A	6
4450N 3775E-B	2
4450N 3800E	4
4450N 3825E	2
4450N 3850E	4
4400N 2350E	2
4400N 2375E	3
4400N 2400E	<2
4400N 2425E-NR	
4400N 2450E	6
4400N 2475E	2
4400N 2500E	6
4400N 2525E	4
*SG 40	982
*BLANK	<2

Au 15g FA AA Finish

Certified by _____



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Vancouver, British Columbia V5X 4R6
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CERTIFICATE OF ANALYSIS

0V-1637-SG6

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4400N 2550E	4
4400N 2575E	4
4400N 2600E	12
4400N 2625E	<2
4400N 2650E	2
4400N 2675E	3
4400N 2700E	7
4400N 2725E	4
4400N 2750E	4
4400N 2775E	8
4400N 2800E	3
4400N 2825E-A	3
4400N 2825E-B	3
4400N 2850E	6
4400N 2875E-A	6
4400N 2875E-B	4
4400N 2900E	4
4400N 2925E	2
4400N 2950E	6
4400N 2975E	9
4400N 3000E-A	6
4400N 3000E-B	6
*SG 40	1019
*BLANK	<2

Au 15g FA AA Finish

Certified by _____



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CERTIFICATE OF ANALYSIS

0V-1637-SG7

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4400N 3025E	6
4400N 3050E	8
4400N 3075E	4
4400N 3100E	6
4400N 3125E	2
4400N 3150E	6
4400N 3175E	30
4400N 3200E-A	3
4400N 3200E-B	3
4400N 3225E	4
4400N 3250E-A	4
4400N 3250E-B	5
4400N 3275E	3
4400N 3300E	6
4400N 3325E	6
4400N 3350E	2
4400N 3375E-A	2
4400N 3375E-B	3
4400N 3400E	99
4400N 3425E	6
4400N 3450E	3
4400N 3475E	3
*SG 40	1008
*BLANK	<2

Au 15g FA AA Finish

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CERTIFICATE OF ANALYSIS

0V-1637-SG8

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4400N 3500E	2
4400N 3525E	6
4400N 3550E	2
4400N 3575E-A	43
4400N 3575E-B	3
4400N 3600E-A	8
4400N 3600E-B	4
4400N 3625E-A	2
4400N 3625E-B	8
4400N 3650E	6
4400N 3675E	26
4400N 3700E	2
4400N 3725E	6
4400N 3750E	8
4400N 3775E	4
4400N 3800E	5
4400N 3825E	3
4400N 3850E	10
4350N 2350E	4
4350N 2375E	4
4350N 2400E	4
4350N 2425E	3
*SG 40	973
*BLANK	<2

Au 15g FA AA Finish

Certified by _____



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG9

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4350N 2450E	4
4350N 2475E	<2
4350N 2500E	<2
4350N 2525E	6
4350N 2550E-A	4
4350N 2550E-B	2
4350N 2575E-A	6
4350N 2575E-B	2
4350N 2600E	4
4350N 2625E	4
4350N 2650E	<2
4350N 2675E-A	2
4350N 2675E-B	4
4350N 2700E	4
4350N 2725E	2
4350N 2750E	2
4350N 2775E	2
4350N 2800E	2
4350N 2825E	<2
4350N 2850E	4
4350N 2875E	2
4350N 2900E	2
*SG 40	962
*BLANK	<2

Au 15g FA AA Finish

Certified by



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG10

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We hereby certify the following geochemical analysis of 23 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4350N 2925E	6
4350N 2950E	6
4350N 2975E	10
4350N 3000E	2
4350N 3025E	6
4350N 3050E	5
4350N 3075E	2
4350N 3100E-A	4
4350N 3100E-B	4
4350N 3125E-A	2
4350N 3125E-B	2
4350N 3150E	2
4350N 3175E	3
4350N 3200E	4
4350N 3225E	3
4350N 3250E	2
4350N 3275E	2
4350N 3300E	2
4350N 3325E	3
4350N 3350E	2
4350N 3375E-A	6
4350N 3375E-B	6
4350N 3400E	4
*SG 40	991
*BLANK	<2

Au 15g FA AA Finish

Certified by



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia V5X 4R6
T: (604) 327-3436 F: (604) 327-3423

CERTIFICATE OF ANALYSIS

0V-1637-SG11

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-29-10

We *hereby certify* the following geochemical analysis of 11 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4350N 3425E	6
4350N 3450E	5
4350N 3475E	8
4350N 3500E-A	2
4350N 3500E-B	2
4350N 3525E	2
4350N 3550E-A	4
4350N 3550E-B	2
4350N 3575E	<2
4350N 3600E-A	<2
4350N 3600E-B	<2
*SG 40	956
*BLANK	<2

Au 15g FA AA Finish

Certified by _____

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4500N 3200E	<0.2	1.43	<5	35	0.5	<5	0.20	<1	9	10	13	2.40	1	0.03	<10	0.81	504	<2	0.01	5	0.054	6	0.02	<5	4	6	<5	0.07	<10	<10	55	<10	56	2
4500N 3225E	<0.2	1.46	<5	30	<0.5	5	0.14	1	7	9	7	2.43	<1	0.03	<10	0.62	385	<2	0.01	4	0.052	9	0.02	<5	2	5	<5	0.06	<10	<10	54	<10	51	1
4500N 3250E	<0.2	1.09	<5	25	<0.5	<5	0.20	<1	7	9	6	1.97	<1	0.04	<10	0.63	388	<2	0.02	4	0.065	5	0.05	<5	2	7	<5	0.06	<10	<10	43	<10	48	1
4500N 3275E	<0.2	1.43	<5	29	0.5	5	0.07	<1	6	9	4	2.65	<1	0.03	<10	0.46	289	<2	0.01	5	0.036	8	0.03	<5	2	6	<5	0.07	<10	<10	44	<10	40	1
4500N 3300E	<0.2	2.10	<5	28	0.7	5	0.06	1	6	11	8	2.53	<1	0.04	<10	0.44	369	<2	0.01	5	0.049	13	0.05	<5	2	5	<5	0.08	<10	<10	59	<10	40	1
4500N 3325E	<0.2	2.14	<5	46	0.5	7	0.06	1	7	10	6	3.35	1	0.05	<10	0.49	396	<2	0.01	5	0.051	12	0.03	<5	2	5	<5	0.06	<10	<10	63	<10	49	1
4500N 3350E	<0.2	1.33	<5	23	<0.5	5	0.04	1	2	5	2	2.30	<1	0.02	<10	0.06	46	<2	0.01	1	0.040	9	0.02	<5	<1	4	<5	0.03	<10	<10	32	<10	9	1
4500N 3375E	<0.2	2.12	<5	64	0.6	11	0.05	1	8	13	8	5.05	<1	0.04	<10	0.55	366	<2	0.01	6	0.028	11	0.02	<5	4	5	<5	0.07	<10	<10	85	<10	53	2
4500N 3400E-A	<0.2	2.28	<5	34	<0.5	9	0.07	1	6	12	4	4.10	1	0.04	<10	0.37	347	<2	0.01	4	0.046	12	0.02	<5	3	4	<5	0.07	<10	<10	73	<10	49	3
4500N 3400E-B	<0.2	1.92	<5	34	<0.5	9	0.05	1	5	11	3	4.04	<1	0.04	<10	0.30	281	<2	0.01	3	0.038	11	0.02	<5	2	3	<5	0.06	<10	<10	79	<10	39	2
4500N 3425E-A	<0.2	0.94	<5	22	0.5	5	0.04	<1	2	5	<1	2.41	<1	0.02	<10	0.13	114	<2	0.01	1	0.030	6	0.02	<5	2	4	<5	0.12	<10	<10	74	<10	11	1
4500N 3425E-B	<0.2	1.50	<5	29	0.8	11	0.04	<1	5	10	3	5.31	1	0.03	<10	0.35	271	<2	0.01	3	0.047	7	0.02	<5	2	4	<5	0.17	<10	<10	110	<10	29	3
4500N 3450E-A	<0.2	2.10	<5	23	0.6	8	0.05	1	8	12	7	3.98	1	0.03	<10	0.57	553	<2	0.01	6	0.055	11	0.05	<5	1	3	<5	0.09	<10	<10	69	<10	47	1
4500N 3450E-B	<0.2	2.42	<5	25	0.7	10	0.05	1	10	15	8	4.53	1	0.03	<10	0.56	662	<2	0.01	6	0.059	13	0.05	<5	2	3	<5	0.10	<10	<10	73	<10	48	2
4500N 3475E-A	<0.2	2.02	<5	25	<0.5	5	0.06	<1	13	11	6	2.46	1	0.02	<10	0.40	1330	<2	0.01	4	0.085	10	0.05	<5	1	4	<5	0.05	<10	<10	56	<10	38	1
4500N 3500E	<0.2	2.18	<5	32	0.9	18	0.08	1	12	17	10	8.13	1	0.02	<10	0.53	1682	<2	0.01	4	0.110	6	0.04	<5	4	3	<5	0.15	<10	<10	119	<10	38	5
4500N 3525E	<0.2	2.49	<5	24	1.0	14	0.03	1	5	13	1	6.19	<1	0.02	<10	0.32	432	<2	0.01	2	0.056	13	0.02	<5	3	2	<5	0.17	<10	<10	137	<10	30	4
4500N 3550E	<0.2	2.28	<5	26	0.7	10	0.04	1	6	13	7	4.52	1	0.02	<10	0.43	404	<2	0.01	4	0.054	9	0.03	<5	3	3	<5	0.12	<10	<10	75	<10	42	3
4500N 3575E	<0.2	1.94	<5	24	0.6	15	0.03	1	4	12	<1	6.81	1	0.02	<10	0.25	174	<2	0.01	2	0.043	9	0.02	<5	2	3	<5	0.12	<10	<10	134	<10	22	3
4500N 3600E	<0.2	1.52	<5	30	0.6	5	0.19	1	9	9	14	2.26	1	0.03	<10	0.82	520	<2	0.01	5	0.056	8	0.02	<5	4	5	<5	0.08	<10	<10	54	<10	59	2
4500N 3625E	<0.2	1.74	<5	43	0.6	7	0.17	1	10	13	19	3.25	<1	0.04	<10	0.74	512	<2	0.02	6	0.055	7	0.03	<5	4	7	<5	0.08	<10	<10	68	<10	57	2
4500N 3650E	<0.2	2.12	6	17	0.6	6	0.08	1	9	11	11	3.21	1	0.02	<10	0.56	477	<2	0.01	5	0.048	8	0.02	<5	4	4	<5	0.08	<10	<10	64	<10	46	1
4500N 3675E	<0.2	2.21	<5	21	0.9	14	0.03	1	6	13	1	6.32	1	0.02	<10	0.37	406	<2	0.01	3	0.072	11	0.02	<5	3	3	<5	0.16	<10	<10	111	<10	30	3
4500N 3700E	<0.2	1.83	12	36	0.6	6	0.14	<1	6	12	5	2.65	<1	0.03	<10	0.50	290	14	0.01	6	0.037	9	0.04	<5	3	8	<5	0.06	<10	<10	65	<10	41	2
4500N 3725E	<0.2	2.36	<5	29	0.5	6	0.06	1	4	11	5	2.94	1	0.03	<10	0.32	207	<2	0.01	3	0.044	14	0.04	<5	1	5	<5	0.05	<10	<10	43	<10	29	2
4500N 3750E	<0.2	1.73	<5	36	<0.5	<5	0.08	<1	6	11	7	2.21	<1	0.03	<10	0.50	318	<2	0.01	6	0.034	10	0.03	<5	2	6	<5	0.06	<10	<10	40	<10	45	1
4500N 3775E	0.4	2.75	<5	25	0.5	8	0.09	1	6	17	8	3.21	1	0.04	<10	0.45	455	<2	0.02	5	0.141	20	0.12	<5	<1	5	<5	0.03	<10	<10	58	<10	40	2
4500N 3800E-A	0.5	2.29	<5	33	0.5	6	0.10	1	11	17	9	3.27	<1	0.05	<10	0.71	681	<2	0.02	10	0.093	14	0.08	<5	1	5	<5	0.06	<10	<10	73	<10	55	2
4500N 3800E-B	<0.2	2.08	<5	31	0.5	7	0.07	1	8	12	8	3.20	<1	0.04	<10	0.60	448	<2	0.01	7	0.038	10	0.03	<5	2	4	<5	0.06	<10	<10	54	<10	51	2
4500N 3825E-A	<0.2	1.75	<5	31	0.7	5	0.10	1	7	11	9	2.71	<1	0.04	<10	0.54	355	<2	0.01	6	0.030	12	0.02	<5	3	6	<5	0.08	<10	<10	51	<10	47	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4500N 3825E-B	<0.2	1.79	<5	32	0.6	6	0.10	<1	7	13	9	2.94	<1	0.04	<10	0.54	371	<2	0.01	6	0.032	9	0.02	<5	3	7	<5	0.09	<10	<10	53	<10	49	2
4500N 3850E	0.2	1.67	<5	35	<0.5	5	0.05	<1	5	10	8	2.49	<1	0.05	<10	0.37	305	<2	0.01	5	0.068	9	0.05	<5	1	4	<5	0.04	<10	<10	45	<10	43	1
4450N 2375E	<0.2	2.17	<5	69	<0.5	15	0.03	1	9	5	4	6.74	1	0.04	<10	0.51	949	<2	0.01	1	0.058	6	0.02	<5	5	3	<5	0.02	<10	<10	111	<10	43	2
4450N 2400E	1.5	4.45	<5	46	1.0	6	0.10	2	27	13	24	3.03	<1	0.05	15	0.27	1303	3	0.02	4	0.160	23	0.07	<5	<1	6	<5	0.01	<10	<10	52	<10	24	1
4450N 2425E	<0.2	3.62	<5	28	0.6	12	0.03	1	4	15	5	5.36	1	0.02	<10	0.18	221	<2	0.01	2	0.064	19	0.03	<5	3	3	<5	0.09	<10	<10	84	<10	25	5
4450N 2450E	<0.2	2.15	<5	31	<0.5	6	0.06	1	7	13	7	2.99	1	0.03	<10	0.55	395	<2	0.01	6	0.040	11	0.03	<5	2	4	<5	0.06	<10	<10	61	<10	46	1
4450N 2475E	<0.2	1.11	<5	26	0.7	6	0.04	<1	4	9	2	2.93	<1	0.03	<10	0.28	398	<2	0.01	3	0.051	7	0.03	<5	1	7	<5	0.13	<10	<10	79	<10	15	1
4450N 2500E-A	<0.2	2.23	<5	24	<0.5	5	0.05	1	5	12	7	2.52	1	0.02	<10	0.38	261	<2	0.01	4	0.049	11	0.04	<5	1	4	<5	0.06	<10	<10	46	<10	38	1
4450N 2500E-B	<0.2	2.23	<5	25	<0.5	6	0.06	1	6	12	8	2.70	1	0.02	<10	0.43	287	<2	0.01	4	0.048	11	0.03	<5	2	4	<5	0.06	<10	<10	47	<10	41	1
4450N 2525E-A	<0.2	2.41	<5	29	<0.5	8	0.05	1	6	10	6	3.73	1	0.03	<10	0.39	395	<2	0.02	4	0.079	10	0.04	<5	1	3	<5	0.06	<10	<10	51	<10	38	1
4450N 2525E-B	<0.2	1.93	<5	24	<0.5	7	0.04	1	5	9	3	3.71	<1	0.02	<10	0.29	329	<2	0.01	3	0.066	9	0.04	<5	1	3	<5	0.06	<10	<10	55	<10	26	1
4450N 2550E-A	<0.2	1.89	<5	25	<0.5	<5	0.04	<1	2	7	<1	2.27	1	0.02	<10	0.14	119	<2	0.01	1	0.041	13	0.02	<5	2	3	<5	0.07	<10	<10	57	<10	15	1
4450N 2550E-B	<0.2	3.17	<5	29	0.6	8	0.06	1	4	13	4	3.88	<1	0.02	<10	0.29	246	<2	0.01	3	0.059	17	0.02	<5	4	3	<5	0.07	<10	<10	82	<10	30	3
4450N 2575E	<0.2	3.65	<5	18	0.9	12	0.06	1	6	17	17	5.04	1	0.02	<10	0.37	548	<2	0.01	4	0.076	20	0.05	<5	3	5	<5	0.15	<10	<10	79	<10	27	4
4450N 2600E	<0.2	1.26	<5	23	<0.5	<5	0.09	<1	3	10	3	1.39	1	0.07	<10	0.19	250	<2	0.02	4	0.132	13	0.08	<5	<1	7	<5	0.03	<10	<10	33	<10	22	1
4450N 2625E	<0.2	2.97	<5	83	0.9	8	0.13	1	9	14	14	3.71	1	0.06	12	0.63	427	<2	0.02	8	0.068	17	0.04	<5	4	9	<5	0.07	<10	<10	66	<10	57	2
4450N 2650E	<0.2	2.27	<5	46	0.6	<5	0.16	1	6	12	8	1.67	1	0.04	<10	0.52	295	<2	0.02	6	0.050	16	0.05	<5	4	10	<5	0.07	<10	<10	41	<10	37	1
4450N 2675E	2.0	3.49	<5	51	0.9	9	0.09	1	5	15	25	3.08	1	0.08	<10	0.26	269	<2	0.02	5	0.168	24	0.14	<5	<1	6	<5	0.04	<10	<10	48	<10	31	1
4450N 2700E	<0.2	1.92	<5	42	1.0	13	0.06	1	4	11	5	5.97	1	0.04	<10	0.21	160	<2	0.01	2	0.054	12	0.01	<5	3	6	<5	0.19	<10	<10	154	<10	21	3
4450N 2725E	3.0	1.07	<5	281	<0.5	5	0.16	<1	19	11	4	2.25	<1	0.09	<10	0.10	>10000	<2	0.01	3	0.187	<2	0.10	<5	<1	8	<5	0.04	<10	<10	59	<10	18	1
4450N 2750E	<0.2	0.75	<5	19	<0.5	<5	0.05	<1	1	3	<1	1.57	<1	0.01	<10	0.07	92	<2	0.01	<1	0.018	6	0.01	<5	1	5	<5	0.09	<10	<10	53	<10	5	1
4450N 2775E	<0.2	1.67	<5	26	0.6	7	0.06	<1	3	7	1	3.08	<1	0.02	<10	0.19	130	<2	0.01	1	0.027	12	0.01	<5	3	5	<5	0.13	<10	<10	81	<10	16	4
4450N 2800E	<0.2	1.10	<5	25	0.7	6	0.08	<1	3	6	8	3.05	<1	0.02	<10	0.18	204	<2	0.01	1	0.051	6	0.02	<5	2	6	<5	0.17	<10	<10	94	<10	18	2
4450N 2825E	<0.2	0.85	<5	52	<0.5	<5	0.14	<1	3	5	2	1.28	<1	0.04	<10	0.12	176	<2	0.01	2	0.059	9	0.04	<5	1	10	<5	0.06	<10	<10	36	<10	15	<1
4450N 2850E	<0.2	2.07	<5	43	0.7	8	0.15	1	6	9	3	3.58	1	0.04	<10	0.38	302	2	0.01	3	0.052	12	0.03	<5	2	9	<5	0.10	<10	<10	60	<10	38	1
4450N 2875E-A	0.4	3.31	<5	24	0.6	<5	0.07	1	2	11	7	1.40	1	0.02	<10	0.19	126	2	0.01	2	0.047	23	0.04	<5	3	5	<5	0.06	<10	<10	42	<10	18	1
4450N 2875E-B	<0.2	3.47	<5	29	0.6	<5	0.10	1	4	12	11	1.81	1	0.03	<10	0.35	214	2	0.01	3	0.051	22	0.04	<5	3	6	<5	0.06	<10	<10	42	<10	34	1
4450N 2900E	<0.2	2.56	<5	20	0.8	10	0.06	1	7	12	2	4.56	1	0.03	<10	0.48	330	<2	0.01	5	0.031	15	0.02	<5	4	6	<5	0.17	<10	<10	120	<10	36	2
4450N 2925E-A	<0.2	1.19	<5	34	0.6	5	0.06	<1	3	6	<1	2.31	<1	0.04	<10	0.16	171	2	0.01	2	0.024	12	0.01	<5	2	6	<5	0.12	<10	<10	70	<10	13	1
4450N 2925E-B	<0.2	1.54	<5	34	0.6	6	0.06	<1	3	6	<1	2.71	<1	0.04	<10	0.19	163	2	0.01	2	0.024	14	0.02	<5	3	6	<5	0.11	<10	<10	65	<10	16	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4450N 2950E	<0.2	2.99	<5	35	0.5	7	0.09	1	7	12	6	2.90	<1	0.03	<10	0.52	323	<2	0.01	5	0.047	18	0.03	<5	3	6	<5	0.06	<10	<10	48	<10	36	1
4450N 2975E	<0.2	2.62	<5	24	0.7	10	0.06	1	8	14	3	4.04	1	0.03	<10	0.67	400	<2	0.02	6	0.040	14	0.03	<5	4	4	<5	0.12	<10	<10	70	<10	45	2
4450N 3000E	<0.2	2.32	<5	22	0.9	9	0.05	1	3	10	<1	4.44	1	0.02	<10	0.21	153	<2	0.01	1	0.035	16	0.02	<5	4	4	<5	0.18	<10	<10	111	<10	17	3
4450N 3025E	<0.2	2.37	<5	30	0.8	5	0.10	1	6	12	17	2.62	1	0.03	<10	0.49	315	<2	0.01	5	0.041	14	0.02	<5	6	8	<5	0.10	<10	<10	54	<10	37	2
4450N 3050E	<0.2	1.95	<5	29	0.8	7	0.08	1	5	14	5	3.28	<1	0.05	<10	0.32	356	<2	0.02	3	0.062	17	0.04	<5	1	6	<5	0.11	<10	<10	70	<10	31	3
4450N 3075E	<0.2	1.17	<5	29	0.5	5	0.17	<1	7	10	9	2.59	<1	0.03	<10	0.56	366	<2	0.01	5	0.054	5	0.02	<5	3	9	<5	0.07	<10	<10	57	<10	43	2
4450N 3100E	<0.2	1.99	<5	24	0.5	<5	0.06	1	5	8	8	1.54	<1	0.02	<10	0.34	220	<2	0.01	4	0.040	13	0.04	<5	2	5	<5	0.06	<10	<10	39	<10	24	1
4450N 3125E	<0.2	0.30	<5	20	<0.5	<5	0.04	<1	1	5	<1	1.13	<1	0.07	<10	0.04	56	<2	0.02	<1	0.049	<2	0.02	<5	<1	3	<5	0.02	<10	<10	17	<10	7	<1
4450N 3150E	<0.2	1.09	<5	46	0.6	6	0.27	<1	9	11	13	2.81	<1	0.04	<10	0.60	439	<2	0.02	6	0.064	5	0.02	<5	4	17	<5	0.07	<10	<10	55	<10	54	2
4450N 3175E	<0.2	1.81	<5	32	0.6	6	0.17	<1	11	12	20	2.96	<1	0.03	<10	0.97	610	<2	0.01	6	0.057	8	0.03	<5	5	5	<5	0.08	<10	<10	64	<10	70	2
4450N 3200E	<0.2	1.84	<5	24	0.6	7	0.15	<1	10	10	14	3.32	<1	0.03	<10	0.83	547	<2	0.01	5	0.062	7	0.03	<5	3	5	<5	0.08	<10	<10	61	<10	58	2
4450N 3225E	<0.2	1.75	<5	36	0.6	9	0.13	1	10	11	13	4.08	<1	0.04	<10	0.92	616	2	0.01	5	0.046	9	0.02	<5	3	6	<5	0.08	<10	<10	75	<10	70	2
4450N 3250E	<0.2	1.30	<5	31	0.5	5	0.25	<1	10	9	15	2.56	<1	0.03	<10	0.91	544	<2	0.02	5	0.068	5	0.01	<5	4	7	<5	0.08	<10	<10	54	<10	66	2
4450N 3275E	<0.2	1.15	<5	20	0.5	7	0.29	<1	10	10	9	3.29	1	0.04	<10	0.89	601	<2	0.01	5	0.063	2	0.02	<5	4	8	<5	0.08	<10	<10	59	<10	61	3
4450N 3300E	<0.2	1.97	<5	24	0.5	<5	0.10	1	7	11	11	2.05	<1	0.02	<10	0.49	286	<2	0.01	5	0.023	10	0.02	<5	3	5	<5	0.06	<10	<10	40	<10	37	2
4450N 3325E	<0.2	2.13	<5	22	0.5	<5	0.05	1	3	10	10	1.49	<1	0.03	<10	0.21	153	<2	0.01	3	0.072	12	0.08	<5	1	4	<5	0.06	<10	<10	38	<10	20	1
4450N 3350E	<0.2	2.17	<5	43	0.8	8	0.07	1	9	17	7	3.45	<1	0.05	<10	0.58	789	<2	0.01	7	0.050	15	0.05	<5	2	6	<5	0.11	<10	<10	87	<10	49	1
4450N 3375E-A	<0.2	3.15	7	26	1.2	8	0.07	1	8	14	11	4.08	<1	0.03	14	0.50	472	<2	0.02	5	0.068	16	0.06	<5	4	5	<5	0.13	<10	<10	73	<10	41	3
4450N 3375E-B	<0.2	3.08	7	24	1.0	9	0.07	1	8	13	10	3.90	<1	0.02	13	0.48	457	<2	0.01	5	0.068	16	0.05	<5	4	4	<5	0.12	<10	<10	66	<10	39	2
4450N 3400E-A	<0.2	1.29	<5	22	0.5	<5	0.02	<1	2	5	1	1.10	<1	0.02	<10	0.10	74	<2	0.01	1	0.058	14	0.04	<5	1	3	<5	0.09	<10	<10	42	<10	8	1
4450N 3400E-B	<0.2	1.96	<5	21	0.6	<5	0.03	<1	4	10	2	2.19	<1	0.02	<10	0.29	262	<2	0.01	3	0.054	14	0.05	<5	1	3	<5	0.11	<10	<10	62	<10	24	2
4450N 3425E-A	<0.2	1.82	<5	30	0.6	7	0.11	<1	10	13	12	3.66	<1	0.03	<10	0.64	884	<2	0.01	6	0.095	7	0.02	<5	3	4	<5	0.07	<10	<10	69	<10	64	1
4450N 3425E-B	<0.2	1.67	<5	31	0.5	7	0.11	<1	9	11	11	3.25	<1	0.03	<10	0.59	838	<2	0.01	6	0.087	7	0.02	<5	3	4	<5	0.07	<10	<10	60	<10	55	1
4450N 3450E	0.4	1.90	<5	29	0.6	7	0.04	1	6	12	6	3.54	<1	0.06	<10	0.37	311	<2	0.01	4	0.058	10	0.03	<5	2	3	<5	0.09	<10	<10	79	<10	30	1
4450N 3475E	<0.2	2.93	<5	23	0.8	12	0.02	1	5	12	5	5.54	1	0.02	<10	0.28	236	<2	0.01	2	0.052	15	0.02	<5	4	2	<5	0.12	<10	<10	107	<10	24	5
4450N 3500E	0.2	2.42	<5	41	1.1	8	0.13	1	9	13	5	3.54	<1	0.04	14	0.57	778	2	0.02	6	0.074	12	0.08	<5	3	5	<5	0.07	<10	<10	76	<10	44	1
4450N 3525E	<0.2	1.33	<5	30	0.5	6	0.06	<1	5	8	4	3.10	<1	0.03	<10	0.33	222	<2	0.01	3	0.031	8	0.02	<5	2	5	<5	0.09	<10	<10	58	<10	29	1
4450N 3550E	<0.2	2.03	<5	35	0.5	7	0.05	1	6	10	9	3.22	<1	0.03	<10	0.49	341	<2	0.01	4	0.037	11	0.03	<5	2	4	<5	0.06	<10	<10	51	<10	38	1
4450N 3575E	<0.2	1.17	<5	23	0.5	5	0.21	<1	9	10	10	2.70	<1	0.03	<10	0.79	504	<2	0.01	5	0.056	4	0.02	<5	3	6	<5	0.08	<10	<10	57	<10	57	2
4450N 3600E	<0.2	1.74	<5	26	0.5	5	0.12	<1	6	12	9	2.53	<1	0.03	<10	0.49	321	<2	0.01	5	0.059	9	0.02	<5	3	5	<5	0.07	<10	<10	51	<10	37	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4450N 3625E	<0.2	1.54	<5	31	<0.5	<5	0.06	1	1	10	4	0.30	<1	0.02	<10	0.07	37	<2	0.02	3	0.159	13	0.19	<5	<1	5	<5	0.02	<10	<10	19	<10	4	1
4450N 3650E	<0.2	1.67	<5	37	<0.5	<5	0.08	<1	7	11	6	2.24	<1	0.03	<10	0.52	326	<2	0.01	6	0.049	10	0.04	<5	2	5	<5	0.04	<10	<10	38	<10	48	1
4450N 3675E	<0.2	1.67	<5	26	0.6	<5	0.10	<1	5	12	4	2.15	<1	0.03	<10	0.47	307	<2	0.01	4	0.063	11	0.05	<5	2	5	<5	0.06	<10	<10	42	<10	34	1
4450N 3700E	<0.2	1.72	<5	34	<0.5	<5	0.07	<1	6	11	1	1.32	<1	0.03	<10	0.48	254	<2	0.01	5	0.043	13	0.05	<5	1	5	<5	0.05	<10	<10	29	<10	34	1
4450N 3725E	<0.2	0.94	<5	35	<0.5	6	0.10	<1	6	9	<1	2.84	<1	0.05	<10	0.33	297	<2	0.02	2	0.086	7	0.07	<5	1	7	<5	0.03	<10	<10	44	<10	37	1
4450N 3750E	<0.2	1.82	<5	29	0.6	6	0.08	<1	6	11	5	3.05	<1	0.03	<10	0.48	298	<2	0.01	5	0.032	10	0.03	<5	2	5	<5	0.07	<10	<10	50	<10	40	1
4450N 3775E-A	0.4	1.66	<5	27	<0.5	5	0.05	<1	4	11	4	2.24	<1	0.03	<10	0.26	240	<2	0.02	3	0.080	12	0.05	<5	<1	4	<5	0.04	<10	<10	43	<10	23	1
4450N 3775E-B	<0.2	1.46	<5	26	<0.5	5	0.07	<1	5	9	3	2.37	1	0.02	<10	0.41	250	<2	0.01	4	0.036	10	0.03	<5	1	4	<5	0.05	<10	<10	37	<10	48	1
4450N 3800E	<0.2	1.39	<5	37	<0.5	5	0.05	<1	5	8	2	2.11	<1	0.04	<10	0.35	257	<2	0.01	4	0.048	11	0.04	<5	1	4	<5	0.06	<10	<10	44	<10	31	1
4450N 3825E	<0.2	1.59	<5	19	<0.5	6	0.07	<1	6	11	6	2.67	<1	0.02	<10	0.46	295	<2	0.01	5	0.045	10	0.02	<5	2	5	<5	0.07	<10	<10	48	<10	37	1
4450N 3850E	<0.2	2.38	<5	49	0.6	7	0.07	1	8	12	12	3.09	<1	0.04	<10	0.62	387	<2	0.01	7	0.041	13	0.03	<5	3	5	<5	0.07	<10	<10	55	<10	48	1
4400N 2350E	<0.2	0.82	<5	51	<0.5	<5	0.04	<1	2	2	1	1.11	<1	0.05	<10	0.04	202	<2	0.01	1	0.080	6	0.05	<5	<1	3	<5	0.01	<10	<10	20	<10	10	<1
4400N 2375E	<0.2	1.49	<5	41	0.5	7	0.07	<1	6	11	6	2.98	<1	0.04	<10	0.55	390	<2	0.01	6	0.050	10	0.03	<5	1	4	<5	0.06	<10	<10	51	<10	46	1
4400N 2400E	<0.2	1.84	<5	43	0.5	11	0.06	1	4	9	2	5.12	<1	0.02	<10	0.26	226	<2	0.01	2	0.054	7	0.04	<5	2	4	<5	0.10	<10	<10	81	<10	18	2
4400N 2450E	<0.2	1.43	<5	32	<0.5	5	0.04	<1	4	7	2	2.32	<1	0.03	<10	0.21	144	<2	0.01	2	0.057	11	0.04	<5	1	4	<5	0.07	<10	<10	46	<10	18	1
4400N 2475E	<0.2	2.29	<5	19	<0.5	<5	0.02	1	2	6	2	1.31	<1	0.02	<10	0.08	48	<2	0.01	1	0.045	16	0.03	<5	2	2	<5	0.07	<10	<10	40	<10	10	1
4400N 2500E	<0.2	0.85	<5	26	<0.5	<5	0.03	<1	3	5	<1	1.80	<1	0.03	<10	0.15	238	<2	0.01	1	0.045	7	0.02	<5	1	3	<5	0.06	<10	<10	38	<10	17	1
4400N 2525E	<0.2	3.51	<5	38	0.8	10	0.04	1	7	15	11	4.59	1	0.01	<10	0.40	464	<2	0.01	4	0.051	20	0.03	<5	4	3	<5	0.11	<10	<10	91	<10	34	3
4400N 2550E	0.5	3.34	<5	24	0.7	6	0.04	1	6	13	13	3.35	2	0.02	<10	0.45	276	<2	0.01	5	0.048	20	0.04	<5	3	3	<5	0.08	<10	<10	65	<10	34	2
4400N 2575E	<0.2	2.51	<5	21	<0.5	7	0.03	<1	5	10	6	3.39	1	0.03	<10	0.37	211	<2	0.01	4	0.059	17	0.04	<5	2	3	<5	0.08	<10	<10	59	<10	29	2
4400N 2600E	<0.2	1.90	<5	22	<0.5	5	0.06	<1	6	12	7	2.86	1	0.02	<10	0.47	327	<2	0.01	5	0.032	12	0.03	<5	1	4	<5	0.07	<10	<10	54	<10	37	2
4400N 2625E	<0.2	2.80	6	31	0.5	5	0.08	<1	11	14	35	3.13	1	0.03	10	0.55	665	<2	0.01	7	0.101	19	0.04	<5	2	4	<5	0.04	<10	<10	56	<10	51	2
4400N 2650E	<0.2	1.62	<5	20	<0.5	<5	0.05	<1	5	11	8	2.23	1	0.02	<10	0.38	231	<2	0.01	4	0.058	13	0.03	<5	1	5	<5	0.05	<10	<10	47	<10	30	1
4400N 2675E	<0.2	2.61	<5	28	0.5	9	0.08	1	11	20	10	4.93	1	0.04	<10	0.72	704	<2	0.01	8	0.078	14	0.03	<5	2	4	<5	0.05	<10	<10	102	<10	46	2
4400N 2700E	<0.2	2.22	<5	19	0.5	5	0.06	<1	7	12	12	2.85	<1	0.02	<10	0.46	353	<2	0.01	5	0.057	15	0.03	<5	2	4	<5	0.06	<10	<10	55	<10	36	2
4400N 2725E	<0.2	1.83	<5	13	<0.5	6	0.04	<1	5	10	5	3.01	1	0.01	<10	0.36	228	<2	0.01	3	0.034	10	0.03	<5	1	3	<5	0.07	<10	<10	50	<10	25	2
4400N 2750E	<0.2	1.99	<5	19	0.5	6	0.12	<1	7	13	10	2.96	1	0.02	<10	0.48	352	<2	0.01	5	0.042	10	0.02	<5	3	6	<5	0.07	<10	<10	56	<10	39	3
4400N 2775E	0.2	2.08	<5	17	<0.5	<5	0.07	<1	5	12	8	2.09	<1	0.03	<10	0.41	259	2	0.01	4	0.094	13	0.10	<5	1	3	<5	0.04	<10	<10	49	<10	30	1
4400N 2800E	0.3	2.05	<5	18	<0.5	<5	0.03	<1	2	9	4	1.42	<1	0.01	<10	0.15	96	<2	0.01	2	0.036	13	0.03	<5	1	2	<5	0.05	<10	<10	44	<10	15	1
4400N 2825E-A	<0.2	1.65	<5	20	<0.5	<5	0.15	<1	6	12	11	1.51	<1	0.01	10	0.48	276	<2	0.01	5	0.061	11	0.04	<5	3	6	<5	0.05	<10	<10	35	<10	38	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4400N 2825E-B	<0.2	1.52	<5	21	<0.5	<5	0.18	<1	8	12	10	2.05	<1	0.02	<10	0.66	392	<2	0.01	6	0.055	10	0.03	<5	3	6	<5	0.07	<10	<10	44	<10	51	2
4400N 2850E	<0.2	2.24	<5	27	<0.5	6	0.06	<1	6	13	6	3.45	1	0.02	<10	0.39	351	<2	0.01	4	0.040	14	0.03	<5	2	4	<5	0.06	<10	<10	66	<10	30	1
4400N 2875E-A	<0.2	2.07	<5	28	<0.5	<5	0.06	<1	4	11	3	1.06	<1	0.01	<10	0.31	167	<2	0.01	3	0.037	17	0.05	<5	1	4	<5	0.04	<10	<10	28	<10	23	1
4400N 2875E-B	<0.2	2.25	<5	26	<0.5	<5	0.06	<1	5	11	3	1.42	<1	0.01	<10	0.41	216	<2	0.01	4	0.026	16	0.04	<5	2	4	<5	0.04	<10	<10	30	<10	31	1
4400N 2900E	<0.2	2.48	<5	27	<0.5	<5	0.09	<1	6	12	5	1.50	<1	0.01	10	0.45	243	<2	0.01	4	0.037	17	0.04	<5	3	5	<5	0.05	<10	<10	29	<10	30	1
4400N 2925E	<0.2	2.39	<5	28	0.5	11	0.06	<1	22	25	4	5.77	<1	0.05	<10	1.37	842	<2	0.01	21	0.040	11	0.03	<5	5	4	<5	0.09	<10	<10	102	<10	68	3
4400N 2950E	<0.2	3.84	8	22	0.8	9	0.07	1	12	16	14	4.65	<1	0.03	<10	0.62	720	<2	0.02	6	0.058	20	0.04	<5	5	3	<5	0.12	<10	<10	84	<10	46	5
4400N 2975E	0.3	3.40	6	25	0.7	6	0.06	1	7	13	8	3.43	<1	0.01	<10	0.42	438	<2	0.01	4	0.051	19	0.06	<5	3	4	<5	0.10	<10	<10	63	<10	31	4
4400N 3000E-A	0.3	3.67	<5	38	0.7	13	0.11	1	17	24	11	5.73	1	0.06	<10	1.09	1339	2	0.02	9	0.083	19	0.07	<5	4	5	<5	0.10	<10	<10	134	<10	69	4
4400N 3000E-B	<0.2	2.19	<5	33	<0.5	14	0.05	<1	25	22	13	6.99	<1	0.02	<10	1.51	1806	<2	0.02	11	0.087	8	0.05	<5	6	4	<5	0.06	<10	<10	253	<10	80	2
4400N 3025E	<0.2	2.96	<5	23	0.5	6	0.07	1	5	11	6	2.98	1	0.02	<10	0.38	289	<2	0.01	3	0.050	14	0.04	<5	2	4	<5	0.06	<10	<10	50	<10	28	2
4400N 3050E	<0.2	1.32	<5	53	<0.5	<5	0.11	<1	6	9	8	1.52	<1	0.04	<10	0.45	247	<2	0.01	4	0.052	11	0.04	<5	2	8	<5	0.04	<10	<10	37	<10	33	1
4400N 3075E	<0.2	1.06	<5	41	<0.5	<5	0.10	<1	4	8	4	1.55	<1	0.04	<10	0.30	186	<2	0.01	3	0.051	10	0.03	<5	1	7	<5	0.04	<10	<10	43	<10	25	<1
4400N 3100E	<0.2	1.69	<5	44	<0.5	6	0.12	<1	6	11	10	2.72	<1	0.03	<10	0.48	269	<2	0.01	5	0.069	10	0.03	<5	2	8	<5	0.04	<10	<10	56	<10	45	1
4400N 3125E	<0.2	1.66	<5	26	0.5	8	0.13	<1	10	11	11	3.45	<1	0.03	<10	0.67	709	<2	0.01	5	0.062	7	0.03	<5	3	5	<5	0.08	<10	<10	64	<10	51	2
4400N 3150E	<0.2	1.36	<5	23	0.5	6	0.12	<1	7	9	5	2.90	<1	0.03	<10	0.64	389	<2	0.01	4	0.052	8	0.02	<5	2	4	<5	0.07	<10	<10	66	<10	47	1
4400N 3175E	<0.2	1.85	<5	25	0.5	8	0.11	<1	9	12	10	3.79	<1	0.03	<10	0.66	546	<2	0.01	4	0.046	8	0.02	<5	3	4	<5	0.07	<10	<10	66	<10	54	1
4400N 3200E-A	<0.2	1.73	<5	44	0.6	7	0.12	<1	11	11	12	3.45	<1	0.04	<10	0.70	878	<2	0.01	5	0.059	8	0.02	<5	3	5	<5	0.06	<10	<10	68	<10	61	1
4400N 3200E-B	<0.2	1.72	<5	44	0.5	7	0.12	<1	11	11	12	3.43	<1	0.04	<10	0.70	802	<2	0.01	5	0.060	8	0.02	<5	3	5	<5	0.06	<10	<10	67	<10	60	1
4400N 3225E	<0.2	1.21	<5	55	<0.5	6	0.24	<1	9	11	10	2.57	<1	0.08	<10	0.62	811	<2	0.02	5	0.081	6	0.05	<5	1	12	<5	0.03	<10	<10	48	<10	60	1
4400N 3250E-A	<0.2	1.12	<5	29	<0.5	5	0.08	<1	6	6	4	2.29	<1	0.04	<10	0.55	333	2	0.01	4	0.060	7	0.05	<5	1	5	<5	0.05	<10	<10	54	<10	41	1
4400N 3250E-B	<0.2	1.50	<5	24	<0.5	6	0.08	<1	8	9	7	3.05	<1	0.04	<10	0.70	428	2	0.01	4	0.050	7	0.03	<5	1	4	<5	0.06	<10	<10	59	<10	54	1
4400N 3275E	<0.2	1.37	<5	31	0.7	9	0.29	1	13	12	23	4.08	<1	0.05	<10	1.06	973	<2	0.02	6	0.082	5	0.02	<5	5	7	<5	0.08	<10	<10	71	<10	79	3
4400N 3300E	<0.2	1.49	<5	26	0.5	7	0.16	<1	9	9	16	3.25	<1	0.03	<10	0.88	554	2	0.01	5	0.059	6	0.02	<5	3	4	<5	0.07	<10	<10	61	<10	60	1
4400N 3325E	<0.2	1.07	<5	38	<0.5	6	0.13	<1	7	8	7	2.73	<1	0.06	<10	0.47	678	2	0.02	3	0.095	5	0.05	<5	1	6	<5	0.03	<10	<10	44	<10	40	1
4400N 3350E	<0.2	1.92	<5	17	<0.5	8	0.02	1	3	10	2	3.52	<1	0.03	<10	0.11	123	<2	0.01	1	0.067	9	0.04	<5	1	2	<5	0.05	<10	<10	63	<10	12	1
4400N 3375E-A	<0.2	2.22	<5	20	0.5	6	0.05	1	5	12	16	3.04	<1	0.02	<10	0.34	245	2	0.01	3	0.032	11	0.02	<5	2	3	<5	0.08	<10	<10	62	<10	23	1
4400N 3375E-B	<0.2	2.31	<5	20	0.6	8	0.07	1	7	13	22	3.59	1	0.03	<10	0.46	342	2	0.01	4	0.039	11	0.02	<5	3	3	<5	0.09	<10	<10	72	<10	33	1
4400N 3400E	<0.2	1.59	<5	23	<0.5	<5	0.09	<1	7	9	18	1.77	<1	0.02	<10	0.59	335	<2	0.01	5	0.037	9	0.02	<5	4	4	<5	0.05	<10	<10	42	<10	37	1
4400N 3425E	<0.2	1.98	<5	45	1.1	12	0.06	1	4	13	4	5.79	<1	0.02	<10	0.27	291	2	0.01	2	0.054	9	0.03	<5	2	5	<5	0.21	<10	<10	157	<10	23	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4400N 3450E	<0.2	1.24	<5	29	<0.5	<5	0.15	<1	6	10	8	1.88	<1	0.04	<10	0.55	337	<2	0.02	4	0.048	7	0.04	<5	3	6	<5	0.06	<10	<10	53	<10	40	1
4400N 3475E	<0.2	1.36	<5	29	0.7	6	0.21	<1	10	10	18	2.49	<1	0.03	<10	0.95	586	<2	0.01	5	0.035	5	0.02	<5	5	7	<5	0.09	<10	<10	61	<10	60	3
4400N 3500E	<0.2	1.38	<5	30	<0.5	6	0.20	<1	9	9	17	2.89	1	0.02	<10	0.81	501	<2	0.01	5	0.062	8	0.01	<5	4	6	<5	0.06	<10	<10	61	<10	59	1
4400N 3525E	<0.2	1.23	<5	51	0.5	6	0.31	<1	10	24	12	3.16	1	0.06	<10	0.81	675	<2	0.02	7	0.056	6	0.05	<5	3	11	<5	0.06	<10	<10	56	<10	62	1
4400N 3550E	<0.2	2.17	<5	15	<0.5	7	0.04	<1	6	13	6	3.67	1	0.01	<10	0.37	296	<2	0.01	4	0.045	13	0.04	<5	2	3	<5	0.08	<10	<10	64	<10	31	2
4400N 3575E-A	<0.2	1.72	<5	37	<0.5	6	0.14	<1	8	12	16	3.13	1	0.03	<10	0.57	442	<2	0.01	6	0.072	12	0.03	<5	2	6	<5	0.05	<10	<10	56	<10	49	1
4400N 3575E-B	<0.2	1.65	<5	37	<0.5	6	0.15	<1	8	13	15	3.01	<1	0.03	<10	0.61	499	<2	0.01	6	0.073	11	0.03	<5	2	6	<5	0.05	<10	<10	55	<10	52	1
4400N 3600E-A	0.2	0.98	<5	18	<0.5	<5	0.03	<1	2	6	2	1.42	<1	0.02	<10	0.10	90	<2	0.01	3	0.030	13	0.02	<5	1	3	<5	0.06	<10	<10	37	<10	12	<1
4400N 3600E-B	<0.2	1.63	<5	20	<0.5	7	0.08	<1	8	13	2	3.58	<1	0.03	<10	0.56	477	<2	0.01	6	0.042	12	0.03	<5	2	4	<5	0.08	<10	<10	73	<10	46	1
4400N 3625E-A	<0.2	0.99	<5	27	<0.5	<5	0.06	<1	3	6	2	1.25	<1	0.02	<10	0.21	131	<2	0.01	3	0.035	10	0.04	<5	1	5	<5	0.04	<10	<10	31	<10	23	<1
4400N 3625E-B	<0.2	1.75	<5	31	<0.5	<5	0.07	<1	5	10	6	1.95	<1	0.03	<10	0.44	259	<2	0.01	6	0.037	11	0.05	<5	2	5	<5	0.04	<10	<10	35	<10	43	1
4400N 3650E	<0.2	1.88	<5	47	<0.5	<5	0.14	<1	7	11	10	1.92	<1	0.02	<10	0.55	301	<2	0.01	6	0.030	16	0.05	<5	2	9	<5	0.05	<10	<10	76	<10	44	1
4400N 3675E	<0.2	1.26	<5	27	<0.5	5	0.06	<1	4	7	4	2.16	<1	0.03	<10	0.27	196	<2	0.01	3	0.036	11	0.03	<5	1	4	<5	0.07	<10	<10	47	<10	27	1
4400N 3700E	<0.2	2.44	<5	38	0.5	5	0.08	<1	7	11	11	2.90	<1	0.03	<10	0.58	364	<2	0.01	6	0.045	15	0.03	<5	2	5	<5	0.04	<10	<10	50	<10	51	1
4400N 3725E	<0.2	2.68	<5	32	0.5	7	0.09	<1	9	15	14	3.47	1	0.03	<10	0.58	484	<2	0.01	7	0.045	17	0.03	<5	3	5	<5	0.06	<10	<10	62	<10	53	1
4400N 3750E	<0.2	2.18	<5	62	0.5	6	0.09	<1	11	13	20	3.18	<1	0.05	<10	0.72	600	<2	0.01	9	0.075	16	0.01	<5	4	7	<5	0.06	<10	<10	63	<10	74	1
4400N 3775E	<0.2	2.05	<5	24	<0.5	6	0.06	<1	7	11	9	3.01	<1	0.02	<10	0.51	312	<2	0.01	6	0.028	14	0.03	<5	2	5	<5	0.07	<10	<10	51	<10	43	1
4400N 3800E	<0.2	2.24	<5	140	0.5	6	0.18	<1	8	13	11	3.05	1	0.03	<10	0.56	402	<2	0.01	6	0.048	15	0.03	<5	3	7	<5	0.07	<10	<10	56	<10	49	1
4400N 3825E	<0.2	2.41	<5	29	<0.5	6	0.04	<1	4	12	7	3.34	<1	0.01	<10	0.23	147	<2	0.01	2	0.055	15	0.02	<5	2	3	<5	0.07	<10	<10	67	<10	32	4
4400N 3850E	<0.2	3.34	<5	33	<0.5	14	0.03	1	5	11	6	7.12	1	0.02	<10	0.33	285	<2	0.01	2	0.087	17	0.03	<5	3	2	<5	0.07	<10	<10	77	<10	37	6
4350N 2350E	<0.2	2.10	<5	29	0.5	<5	0.05	<1	4	10	12	1.12	<1	0.03	13	0.28	158	<2	0.01	3	0.073	20	0.07	<5	1	3	<5	0.05	<10	<10	27	<10	29	2
4350N 2375E	<0.2	2.24	<5	21	<0.5	6	0.07	<1	7	12	7	3.07	1	0.02	<10	0.56	332	<2	0.01	5	0.035	14	0.04	<5	3	4	<5	0.09	<10	<10	38	<10	46	3
4350N 2400E	<0.2	2.48	<5	35	<0.5	5	0.07	<1	8	11	16	2.61	<1	0.02	<10	0.59	350	<2	0.01	6	0.025	16	0.02	<5	4	4	<5	0.05	<10	<10	51	<10	46	1
4350N 2425E	<0.2	2.90	<5	45	0.5	6	0.06	<1	8	13	24	2.62	<1	0.02	<10	0.59	338	<2	0.01	7	0.036	20	0.02	<5	5	4	<5	0.06	<10	<10	48	<10	46	2
4350N 2450E	<0.2	1.43	<5	23	0.6	9	0.12	<1	8	18	3	4.49	<1	0.03	<10	0.61	348	<2	0.02	6	0.055	8	0.02	<5	3	4	<5	0.13	<10	<10	144	<10	35	3
4350N 2475E	<0.2	2.11	<5	18	0.6	11	0.03	<1	6	15	2	5.17	<1	0.02	<10	0.33	242	<2	0.01	4	0.045	13	0.02	<5	3	3	<5	0.14	<10	<10	163	<10	25	2
4350N 2500E	<0.2	0.81	<5	16	<0.5	<5	0.04	<1	2	4	2	1.29	<1	0.03	<10	0.15	97	<2	0.01	2	0.024	8	0.02	<5	1	3	<5	0.06	<10	<10	41	<10	14	<1
4350N 2525E	<0.2	1.81	<5	40	0.6	7	0.02	<1	4	9	1	3.52	<1	0.02	<10	0.21	168	<2	0.01	3	0.054	15	0.05	<5	2	2	<5	0.15	<10	<10	116	<10	19	2
4350N 2550E-A	0.2	2.69	<5	33	0.6	8	0.13	<1	10	22	8	3.92	<1	0.05	<10	0.75	449	<2	0.02	12	0.042	17	0.03	<5	4	7	<5	0.09	<10	<10	77	<10	49	2
4350N 2550E-B	<0.2	2.90	<5	31	0.6	7	0.10	<1	8	16	11	3.76	1	0.03	<10	0.58	400	<2	0.02	6	0.040	18	0.03	<5	3	6	<5	0.08	<10	<10	68	<10	46	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4350N 2575E-A	0.4	2.70	<5	54	0.5	6	0.08	1	8	13	19	3.14	1	0.05	<10	0.59	357	<2	0.01	8	0.042	19	0.03	<5	3	6	<5	0.06	<10	<10	53	<10	55	2
4350N 2575E-B	0.2	2.75	<5	56	0.6	6	0.08	<1	9	14	21	3.13	<1	0.05	<10	0.65	407	<2	0.01	8	0.042	19	0.03	<5	4	6	<5	0.06	<10	<10	55	<10	60	1
4350N 2600E	0.2	2.74	<5	39	0.6	6	0.09	1	8	11	13	3.01	<1	0.04	<10	0.56	352	<2	0.01	6	0.053	17	0.05	<5	2	6	<5	0.05	<10	<10	53	<10	46	1
4350N 2625E	<0.2	1.21	<5	37	<0.5	11	0.06	<1	11	18	<1	5.92	<1	0.04	<10	0.54	378	<2	0.01	3	0.031	5	<0.01	<5	4	4	<5	0.08	<10	<10	82	<10	33	4
4350N 2650E	<0.2	0.39	<5	14	<0.5	<5	0.03	<1	1	2	2	0.63	<1	0.03	<10	0.02	26	<2	0.01	<1	0.024	4	0.01	<5	<1	2	<5	0.02	<10	<10	15	<10	5	<1
4350N 2675E-A	<0.2	1.91	<5	16	<0.5	7	0.06	<1	6	13	7	3.51	<1	0.02	<10	0.45	297	<2	0.01	4	0.042	12	0.03	<5	2	4	<5	0.08	<10	<10	72	<10	35	2
4350N 2675E-B	<0.2	1.97	<5	17	<0.5	7	0.08	<1	8	13	13	3.57	<1	0.02	<10	0.52	386	<2	0.01	5	0.029	12	0.02	<5	3	5	<5	0.08	<10	<10	72	<10	40	2
4350N 2700E	<0.2	1.95	<5	16	0.5	7	0.06	<1	7	15	4	3.59	<1	0.02	<10	0.48	295	<2	0.01	4	0.018	10	0.02	<5	3	4	<5	0.09	<10	<10	71	<10	33	2
4350N 2725E	<0.2	2.12	<5	32	0.6	5	0.18	<1	7	13	14	2.35	<1	0.03	<10	0.51	311	<2	0.01	6	0.047	13	0.03	<5	5	7	<5	0.06	<10	<10	46	<10	44	1
4350N 2750E	<0.2	2.29	<5	17	<0.5	6	0.10	<1	15	13	12	2.96	<1	0.02	<10	0.48	1004	<2	0.01	5	0.053	12	0.02	<5	4	5	<5	0.06	<10	<10	53	<10	44	1
4350N 2775E	<0.2	1.56	<5	21	<0.5	<5	0.14	<1	6	12	9	2.13	<1	0.03	<10	0.48	289	<2	0.01	5	0.070	11	0.02	<5	1	6	<5	0.05	<10	<10	52	<10	41	1
4350N 2800E	<0.2	2.82	<5	21	0.6	7	0.07	<1	6	12	10	3.29	<1	0.03	<10	0.44	316	<2	0.01	4	0.082	17	0.04	<5	3	5	<5	0.08	<10	<10	55	<10	32	2
4350N 2825E	<0.2	1.82	<5	19	<0.5	5	0.06	<1	6	11	7	2.81	<1	0.02	<10	0.46	304	<2	0.01	5	0.075	12	0.03	<5	1	4	<5	0.04	<10	<10	50	<10	36	1
4350N 2850E	<0.2	2.08	<5	19	0.6	7	0.09	<1	12	17	8	4.07	<1	0.04	<10	0.69	725	<2	0.01	7	0.039	13	0.02	<5	4	5	<5	0.12	<10	<10	82	<10	42	2
4350N 2875E	<0.2	1.98	9	32	0.9	7	0.10	<1	6	15	8	3.57	<1	0.02	18	0.42	238	7	0.01	4	0.045	12	0.04	<5	4	5	<5	0.06	<10	<10	68	<10	31	2
4350N 2900E	<0.2	2.04	<5	19	<0.5	8	0.07	<1	5	12	3	4.36	<1	0.01	<10	0.34	271	<2	0.01	3	0.039	14	0.02	<5	2	4	<5	0.06	<10	<10	74	<10	26	2
4350N 2925E	0.3	1.62	<5	29	<0.5	<5	0.12	<1	2	11	3	0.71	<1	0.04	14	0.16	95	<2	0.02	3	0.202	12	0.16	<5	<1	6	<5	0.01	<10	<10	18	<10	12	<1
4350N 2950E	<0.2	2.23	<5	26	0.8	6	0.06	<1	7	12	18	3.12	<1	0.01	13	0.43	342	<2	0.01	4	0.035	13	0.03	<5	7	5	<5	0.07	<10	<10	58	<10	34	1
4350N 2975E	<0.2	1.80	<5	23	0.7	<5	0.07	1	6	15	31	1.57	<1	0.02	12	0.50	281	<2	0.01	6	0.048	14	0.04	<5	3	5	<5	0.08	<10	<10	61	<10	35	2
4350N 3000E	<0.2	1.24	<5	51	<0.5	<5	0.09	1	1	3	2	0.12	<1	0.02	<10	0.02	8	<2	0.02	2	0.142	10	0.20	<5	<1	9	<5	0.01	<10	<10	3	<10	11	<1
4350N 3025E	<0.2	1.86	<5	24	0.5	5	0.06	<1	4	10	4	2.88	<1	0.03	<10	0.23	145	<2	0.01	3	0.044	14	0.04	<5	2	4	<5	0.09	<10	<10	72	<10	15	1
4350N 3050E	<0.2	1.19	<5	47	<0.5	6	0.24	<1	8	9	7	3.20	1	0.04	<10	0.68	498	<2	0.01	6	0.071	8	0.02	<5	3	11	<5	0.06	<10	<10	64	<10	51	2
4350N 3075E	<0.2	1.72	<5	76	0.5	7	0.35	<1	13	16	11	3.76	1	0.07	<10	0.88	772	<2	0.02	8	0.058	12	0.03	<5	4	21	<5	0.05	<10	<10	71	<10	72	2
4350N 3100E-A	<0.2	1.23	<5	35	<0.5	5	0.14	<1	7	10	10	2.60	<1	0.05	<10	0.54	329	<2	0.01	5	0.039	9	0.02	<5	3	8	<5	0.06	<10	<10	56	<10	42	1
4350N 3100E-B	<0.2	1.43	<5	39	0.5	6	0.17	<1	9	13	13	3.18	<1	0.05	<10	0.66	420	<2	0.01	6	0.044	10	0.02	<5	4	10	<5	0.07	<10	<10	66	<10	51	2
4350N 3125E-A	0.2	0.97	<5	30	<0.5	<5	0.06	<1	2	4	2	1.52	<1	0.02	<10	0.09	62	<2	0.01	1	0.035	12	0.03	<5	1	6	<5	0.06	<10	<10	42	<10	10	1
4350N 3125E-B	0.6	2.87	<5	36	<0.5	9	0.06	<1	5	12	9	4.14	1	0.03	<10	0.31	220	<2	0.01	3	0.065	16	0.05	<5	3	5	<5	0.06	<10	<10	63	<10	26	2
4350N 3150E	<0.2	1.04	<5	25	<0.5	6	0.11	<1	6	10	5	2.92	<1	0.06	<10	0.52	406	<2	0.02	4	0.083	7	0.04	<5	1	5	<5	0.06	<10	<10	62	<10	38	1
4350N 3175E	<0.2	1.69	<5	27	<0.5	6	0.18	<1	9	10	10	3.28	<1	0.03	<10	0.70	715	<2	0.01	5	0.084	9	0.04	<5	2	6	<5	0.06	<10	<10	62	<10	53	2
4350N 3200E	<0.2	1.60	<5	29	<0.5	7	0.12	<1	11	14	11	3.56	<1	0.05	<10	0.64	932	<2	0.01	6	0.048	9	0.02	<5	3	6	<5	0.07	<10	<10	69	<10	51	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

**SGS Canada Inc.**

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4350N 3225E	<0.2	1.68	<5	40	<0.5	6	0.11	<1	8	12	12	3.25	<1	0.06	<10	0.54	482	2	0.02	5	0.093	11	0.07	<5	1	7	<5	0.04	<10	<10	65	<10	45	1
4350N 3250E	<0.2	1.39	<5	34	<0.5	5	0.18	<1	9	9	18	2.96	<1	0.05	<10	0.71	481	2	0.01	5	0.059	10	0.03	<5	3	8	<5	0.07	<10	<10	56	<10	52	2
4350N 3275E	<0.2	1.15	<5	30	0.5	6	0.29	<1	11	11	14	3.45	1	0.04	<10	0.83	675	<2	0.01	5	0.065	6	0.03	<5	3	8	<5	0.07	<10	<10	69	<10	61	2
4350N 3300E	<0.2	1.58	<5	66	0.5	7	0.26	<1	13	12	13	3.84	1	0.07	<10	0.90	1215	2	0.02	6	0.083	9	0.06	<5	2	10	<5	0.06	<10	<10	73	<10	82	1
4350N 3325E	<0.2	1.31	<5	27	0.5	7	0.30	<1	14	10	18	4.00	1	0.04	<10	1.07	942	<2	0.01	6	0.059	5	0.02	<5	5	8	<5	0.08	<10	<10	68	<10	74	3
4350N 3350E	<0.2	1.72	<5	34	<0.5	<5	0.04	<1	4	9	4	2.39	1	0.03	<10	0.26	173	4	0.01	3	0.035	14	0.05	<5	3	3	<5	0.10	<10	<10	68	<10	24	2
4350N 3375E-A	<0.2	2.11	<5	38	0.6	6	0.07	<1	7	14	6	3.44	<1	0.04	<10	0.46	436	3	0.02	4	0.049	14	0.03	<5	3	5	<5	0.07	<10	<10	81	<10	35	1
4350N 3375E-B	0.2	2.12	<5	38	0.7	7	0.08	<1	8	15	12	3.67	<1	0.04	<10	0.49	494	3	0.02	5	0.041	13	0.03	<5	4	5	<5	0.09	<10	<10	84	<10	42	1
4350N 3400E	<0.2	2.00	<5	29	0.5	6	0.07	<1	7	12	7	3.32	1	0.03	<10	0.45	517	<2	0.01	4	0.042	12	0.03	<5	2	5	<5	0.07	<10	<10	61	<10	40	1
4350N 3425E	<0.2	1.20	<5	45	<0.5	6	0.16	<1	6	10	8	2.20	<1	0.03	<10	0.49	296	<2	0.02	4	0.087	7	0.09	<5	1	7	<5	0.02	<10	<10	40	<10	39	1
4350N 3450E	<0.2	1.33	<5	30	<0.5	7	0.11	<1	9	11	7	2.93	1	0.05	<10	0.73	483	<2	0.02	5	0.071	6	0.04	<5	1	5	<5	0.05	<10	<10	55	<10	57	1
4350N 3475E	<0.2	1.43	<5	25	<0.5	7	0.12	<1	9	9	8	3.13	1	0.02	<10	0.80	495	<2	0.01	4	0.046	6	0.01	<5	3	4	<5	0.07	<10	<10	67	<10	55	2
4350N 3500E-A	<0.2	1.26	<5	20	<0.5	<5	0.04	<1	4	7	3	1.49	<1	0.02	<10	0.31	228	<2	0.01	2	0.056	15	0.04	<5	1	3	<5	0.04	<10	<10	44	<10	30	1
4350N 3500E-B	<0.2	1.53	<5	22	<0.5	<5	0.06	<1	5	9	4	1.90	<1	0.02	<10	0.39	259	<2	0.01	3	0.053	12	0.04	<5	1	3	<5	0.06	<10	<10	53	<10	31	1
4350N 3525E	0.2	1.16	<5	16	0.5	<5	0.05	<1	5	15	2	2.54	1	0.05	<10	0.55	220	<2	0.01	10	0.049	12	0.03	<5	1	2	<5	0.08	<10	<10	56	<10	30	1
4350N 3550E-A	<0.2	2.25	<5	16	<0.5	7	0.03	1	4	11	9	3.04	<1	0.01	<10	0.25	164	<2	0.01	3	0.054	11	0.04	<5	2	2	<5	0.06	<10	<10	49	<10	18	1
4350N 3550E-B	<0.2	2.53	<5	18	0.5	5	0.04	1	4	13	13	3.27	<1	0.02	<10	0.27	180	<2	0.01	3	0.059	15	0.04	<5	2	3	<5	0.06	<10	<10	58	<10	20	1
4350N 3575E	<0.2	1.79	<5	16	<0.5	5	0.04	1	5	9	5	2.47	<1	0.02	<10	0.40	252	<2	0.01	4	0.048	12	0.04	<5	1	3	<5	0.06	<10	<10	42	<10	30	1
4350N 3600E-A	<0.2	1.39	<5	30	<0.5	5	0.17	<1	8	11	14	2.82	1	0.04	<10	0.61	563	<2	0.01	6	0.066	9	0.01	<5	3	6	<5	0.08	<10	<10	54	<10	52	1
4350N 3600E-B	<0.2	1.37	<5	35	<0.5	5	0.14	<1	8	11	16	2.68	<1	0.04	<10	0.59	578	<2	0.01	6	0.068	7	0.01	<5	3	6	<5	0.06	<10	<10	49	<10	50	1
Duplicates:																																		
4500N 3200E	<0.2	1.43	<5	36	0.5	5	0.20	<1	9	10	13	2.62	<1	0.03	<10	0.82	509	<2	0.01	5	0.055	5	0.02	<5	4	6	<5	0.07	<10	<10	56	<10	58	1
4500N 3400E-B	<0.2	2.05	<5	33	0.5	7	0.06	1	4	12	5	3.91	1	0.04	<10	0.30	269	<2	0.01	3	0.038	13	0.02	<5	3	4	<5	0.07	<10	<10	82	<10	40	2
4500N 3600E	<0.2	1.55	<5	32	0.5	<5	0.20	<1	10	10	13	2.47	1	0.03	<10	0.86	549	<2	0.01	5	0.057	5	0.02	<5	4	6	<5	0.09	<10	<10	54	<10	60	2
4500N 3675E	<0.2	2.21	<5	21	0.9	15	0.03	1	6	16	<1	6.41	1	0.03	<10	0.38	415	<2	0.01	3	0.074	10	0.02	<5	3	3	<5	0.17	<10	<10	114	<10	29	3
4500N 3850E	0.2	1.64	<5	34	<0.5	5	0.05	<1	5	9	8	2.43	1	0.05	<10	0.36	299	<2	0.01	4	0.061	9	0.05	<5	1	5	<5	0.04	<10	<10	43	<10	40	1
4450N 2525E-B	<0.2	2.03	<5	25	<0.5	7	0.04	1	5	10	4	3.67	<1	0.03	<10	0.30	339	<2	0.01	3	0.069	12	0.04	<5	1	3	<5	0.07	<10	<10	59	<10	36	1
4450N 2575E	<0.2	3.64	<5	19	1.0	11	0.07	1	7	17	17	5.35	<1	0.03	<10	0.38	565	<2	0.01	4	0.082	20	0.05	<5	4	5	<5	0.15	<10	<10	81	<10	29	3
4450N 2800E	<0.2	1.13	<5	26	0.8	6	0.10	<1	3	6	9	3.08	<1	0.02	<10	0.18	210	<2	0.01	1	0.053	6	0.02	<5	3	6	<5	0.17	<10	<10	96	<10	19	2
4450N 3000E	<0.2	2.38	<5	22	1.0	9	0.05	1	3	10	<1	4.50	1	0.02	<10	0.22	160	<2	0.01	1	0.037	16	0.03	<5	4	4	<5	0.19	<10	<10	112	<10	16	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1637SJ

Date : Oct-29-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4450N 3075E	<0.2	1.16	<5	29	<0.5	6	0.18	<1	7	10	8	2.68	<1	0.03	<10	0.59	382	<2	0.01	5	0.057	4	0.02	<5	3	9	<5	0.06	<10	<10	54	<10	48	1
4450N 3300E	<0.2	1.91	<5	23	0.5	<5	0.09	<1	6	11	11	2.02	<1	0.02	<10	0.48	280	<2	0.01	5	0.023	9	0.02	<5	3	5	<5	0.06	<10	<10	40	<10	36	1
4450N 3475E	<0.2	2.97	<5	24	0.8	13	0.02	1	5	12	5	5.74	<1	0.02	<10	0.28	242	<2	0.01	2	0.053	16	0.02	<5	4	2	<5	0.12	<10	<10	111	<10	26	5
4450N 3550E	<0.2	2.01	<5	34	0.5	6	0.05	1	6	10	8	3.17	<1	0.03	<10	0.49	335	<2	0.01	4	0.036	9	0.02	<5	2	4	<5	0.06	<10	<10	50	<10	38	1
4450N 3775E-A	0.4	1.59	<5	25	<0.5	5	0.04	<1	4	10	3	2.11	<1	0.03	<10	0.25	224	<2	0.01	3	0.076	12	0.05	<5	<1	4	<5	0.03	<10	<10	40	<10	21	1
4400N 2475E	<0.2	2.15	<5	18	<0.5	<5	0.02	1	1	6	2	1.24	<1	0.01	<10	0.07	45	<2	0.01	1	0.044	16	0.03	<5	2	2	<5	0.06	<10	<10	38	<10	10	1
4400N 2550E	0.3	3.00	<5	23	0.6	6	0.04	1	7	13	12	3.40	1	0.02	<10	0.46	287	<2	0.01	5	0.042	19	0.04	<5	3	3	<5	0.08	<10	<10	65	<10	36	2
4400N 2775E	0.2	2.12	<5	18	<0.5	5	0.08	<1	5	13	8	2.22	<1	0.04	<10	0.44	272	2	0.02	4	0.096	13	0.11	<5	1	3	<5	0.04	<10	<10	51	<10	32	1
4400N 2975E	0.2	3.30	5	27	0.6	6	0.06	1	7	13	8	3.50	1	0.01	<10	0.41	440	<2	0.01	4	0.053	20	0.06	<5	3	4	<5	0.10	<10	<10	64	<10	32	4
4400N 3025E	<0.2	2.79	<5	22	0.5	6	0.06	1	5	11	5	2.90	<1	0.02	<10	0.36	282	<2	0.01	3	0.046	12	0.04	<5	2	4	<5	0.05	<10	<10	48	<10	26	1
4400N 3225E	<0.2	1.27	<5	56	<0.5	5	0.25	<1	9	11	10	2.62	<1	0.09	<10	0.64	826	<2	0.02	5	0.080	6	0.05	<5	1	13	<5	0.03	<10	<10	50	<10	60	1
4400N 3425E	<0.2	1.92	<5	42	1.1	13	0.06	1	5	12	4	5.56	<1	0.02	<10	0.27	282	2	0.01	2	0.052	8	0.03	<5	2	4	<5	0.20	<10	<10	150	<10	22	3
4400N 3500E	<0.2	1.30	<5	29	<0.5	5	0.20	<1	9	9	16	2.88	<1	0.02	<10	0.81	496	<2	0.01	5	0.063	8	0.01	<5	4	5	<5	0.06	<10	<10	60	<10	60	1
4400N 3650E	<0.2	1.86	<5	46	<0.5	<5	0.14	<1	6	12	10	1.92	<1	0.02	<10	0.56	300	<2	0.01	6	0.031	16	0.05	<5	2	8	<5	0.05	<10	<10	74	<10	43	1
4350N 2375E	<0.2	2.05	<5	19	<0.5	5	0.07	<1	6	10	6	2.82	<1	0.02	<10	0.54	324	<2	0.01	5	0.035	12	0.03	<5	3	4	<5	0.08	<10	<10	37	<10	44	2
4350N 2450E	<0.2	1.48	<5	25	0.6	10	0.13	<1	9	19	3	4.70	<1	0.04	<10	0.63	363	<2	0.02	6	0.058	9	0.02	<5	4	5	<5	0.14	<10	<10	152	<10	37	3
4350N 2625E	<0.2	1.21	<5	37	<0.5	11	0.06	<1	11	19	<1	5.84	<1	0.05	<10	0.54	379	<2	0.01	3	0.031	5	0.01	<5	5	4	<5	0.09	<10	<10	84	<10	33	5
4350N 2850E	<0.2	2.13	<5	19	0.7	8	0.09	<1	12	17	8	4.14	<1	0.05	<10	0.71	755	<2	0.01	7	0.041	13	0.03	<5	4	5	<5	0.13	<10	<10	85	<10	44	3
4350N 2925E	0.3	1.71	<5	31	0.5	<5	0.13	<1	2	11	3	0.76	<1	0.04	15	0.17	102	<2	0.02	3	0.228	14	0.18	<5	<1	6	<5	0.01	<10	<10	19	<10	14	1
4350N 3125E-A	0.3	1.05	<5	32	<0.5	<5	0.07	<1	2	5	2	1.63	<1	0.03	<10	0.09	63	<2	0.01	1	0.038	12	0.03	<5	1	6	<5	0.07	<10	<10	45	<10	10	1
4350N 3350E	<0.2	1.75	<5	35	0.5	<5	0.04	<1	4	9	4	2.46	<1	0.03	<10	0.27	176	4	0.01	3	0.036	15	0.05	<5	3	4	<5	0.11	<10	<10	70	<10	25	2
4350N 3425E	<0.2	1.17	<5	45	<0.5	5	0.16	<1	6	10	8	2.17	<1	0.03	<10	0.49	292	<2	0.02	4	0.083	7	0.09	<5	1	7	<5	0.02	<10	<10	39	<10	40	1
4350N 3600E-A	<0.2	1.39	<5	31	<0.5	6	0.14	<1	9	12	15	2.85	<1	0.04	<10	0.63	572	<2	0.01	6	0.066	7	0.01	<5	3	5	<5	0.06	<10	<10	52	<10	53	1
Standards:																																		
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	1	<0.01	<10	<0.01	<5	<2	0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1
CH-4	2.2	1.75	<5	301	0.9	11	0.59	2	26	110	2201	4.57	1	1.40	13	1.23	331	2	0.05	54	0.072	8	0.62	<5	7	8	<5	0.20	<10	<10	77	<10	217	13

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG1

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4350N 3625E	4
4350N 3650E	6
4350N 3675E	2
4350N 3700E	2
4350N 3725E	44
4350N 3750E	2
4350N 3775E	2
4350N 3800E	2
4350N 3825E	4
4350N 3850E	2
4300N 2350E	6
4300N 2375E-NR	
4300N 2400E-NR	
4300N 2425E	2
4300N 2450E	<2
4300N 2475E	4
4300N 2500E	2
4300N 2525E-A	2
4300N 2525E-B	2
4300N 2550E-A	2
4300N 2550E-B	15
4300N 2575E	2
*SG 40	1039
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG2

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4300N 2600E	2
4300N 2625E	4
4300N 2650E	2
4300N 2675E-A	2
4300N 2675E-B	2
4300N 2700E	2
4300N 2725E	<2
4300N 2750E	<2
4300N 2775E	2
4300N 2800E	<2
4300N 2825E	<2
4300N 2850E-NR	
4300N 2875E	2
4300N 2900E	3
4300N 2925E	<2
4300N 2950E-A	4
4300N 2950E-B	2
4300N 2975E	<2
4300N 3000E-A	4
4300N 3000E-B	2
4300N 3025E-A	4
4300N 3025E-B	2
*SG 40	975
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG3

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 23 soil samples submitted Sep-22-10

Sample Name	Au ppb
4300N 3050E	2
4300N 3075E-A	3
4300N 3075E-B	2
4300N 3100E	2
4300N 3125E	<2
4300N 3150E	<2
4300N 3175E	<2
4300N 3200E	2
4300N 3225E	8
4300N 3250E	4
4300N 3275E	2
4300N 3300E	8
4300N 3325E-NR	
4300N 3350E	<2
4300N 3375E-A	2
4300N 3375E-B	2
4300N 3400E	2
4300N 3425E-A	6
4300N 3425E-B	2
4300N 3450E	2
4300N 3475E-A	2
4300N 3475E-B	4
4300N 3500E	24
*SG 40	1019
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG4

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4300N 3525E	2
4300N 3550E	20
4300N 3575E	3
4300N 3600E	4
4300N 3625E	5
4300N 3650E	4
4300N 3675E	2
4300N 3700E	6
4300N 3725E	2
4300N 3750E	6
4300N 3775E	4
4300N 3800E	3
4300N 3825E	2
4300N 3850E	6
4250N 2350E	4
4250N 2375E	4
4250N 2400E	4
4250N 2425E	2
4250N 2450E-A	4
4250N 2450E-B	4
4250N 2475E-A	2
4250N 2475E-B	2
*SG 40	1010
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG5

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4250N 2500E	8
4250N 2525E-A	4
4250N 2525E-B	4
4250N 2550E	4
4250N 2575E	2
4250N 2600E	6
4250N 2625E	2
4250N 2650E	8
4250N 2675E	5
4250N 2700E	6
4250N 2725E	4
4250N 2750E	4
4250N 2775E	2
4250N 2800E	2
4250N 2825E	2
4250N 2850E-A	5
4250N 2850E-B	2
4250N 2875E	6
4250N 2900E	6
4250N 2925E	6
4250N 2950E	6
4250N 2975E	4
*SG 40	959
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG6

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4250N 3000E	2
4250N 3025E	123
4250N 3050E	<2
4250N 3075E	2
4250N 3100E	<2
4250N 3125E	2
4250N 3150E	<2
4250N 3175E-A	2
4250N 3175E-B	38
4250N 3200E-A	<2
4250N 3200E-B	<2
4250N 3225E-A	2
4250N 3225E-B	2
4250N 3250E	10
4250N 3275E	2
4250N 3300E	2
4250N 3325E	<2
4250N 3350E	<2
4250N 3375E	2
4250N 3400E	2
4250N 3425E	2
4250N 3450E	2
*SG 40	1035
*BLANK	<2

Au 15g FA AA Finish.

Certified by



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Vancouver, British Columbia
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T: (604) 327-3436
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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG7

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4250N 3475E	2
4250N 3500E-A	12
4250N 3500E-B	4
4250N 3525E	2
4250N 3550E	4
4250N 3575E	2
4250N 3600E-A	4
4250N 3600E-B	10
4250N 3625E	2
4250N 3650E	<2
4250N 3675E-A	<2
4250N 3675E-B	2
4250N 3700E	2
4250N 3725E	8
4250N 3750E	<2
4250N 3775E	2
4250N 3800E	<2
4250N 3825E	<2
4250N 3850E	2
4200N 2350E	2
4200N 2375E	2
4200N 2400E	6
*SG 40	1000
*BLANK	<2

Au 15g FA AA Finish.

Certified by



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG8

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4200N 2425E	4
4200N 2450E	4
4200N 2475E	4
4200N 2500E	4
4200N 2525E-A	4
4200N 2525E-B	6
4200N 2550E	4
4200N 2575E-A	4
4200N 2575E-B	2
4200N 2600E	4
4200N 2625E-A	4
4200N 2625E-B	5
4200N 2650E	4
4200N 2675E	4
4200N 2700E	4
4200N 2725E	4
4200N 2750E	3
4200N 2775E	<2
4200N 2800E	6
4200N 2825E	4
4200N 2850E	6
4200N 2875E	4
*SG 40	1000
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG9

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4200N 2900E	3
4200N 2925E	<2
4200N 2950E	<2
4200N 2975E	5
4200N 3000E	2
4200N 3025E	8
4200N 3050E-A	6
4200N 3050E-B	2
4200N 3075E-A	<2
4200N 3075E-B	4
4200N 3100E-A	6
4200N 3100E-B	19
4200N 3125E	3
4200N 3150E	<2
4200N 3175E	4
4200N 3200E-A	4
4200N 3200E-B	2
4200N 3225E	3
4200N 3250E	2
4200N 3275E	32
4200N 3300E	5
4200N 3325E	8
*SG 40	1000
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG10

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4200N 3350E	<2
4200N 3375E	<2
4200N 3400E	<2
4200N 3425E	<2
4200N 3450E	<2
4200N 3475E-A	<2
4200N 3475E-B	4
4200N 3500E	2
4200N 3525E	3
4200N 3550E	2
4200N 3575E-A	4
4200N 3575E-B	2
4200N 3600E	<2
4200N 3625E	2
4200N 3650E	3
4200N 3675E	2
4200N 3700E	<2
4200N 3725E	<2
4200N 3750E	2
4200N 3775E	2
4200N 3800E-A	3
4200N 3800E-B	<2
*SG 40	977
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1638-SG11

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 10 soil samples submitted Sep-22-10

Sample Name	Au ppb
4200N 3825E	2
4200N 3850E-A	<2
4200N 3850E-B	<2
4150N 2350E	3
4150N 2375E	<2
4150N 2400E	2
4150N 2425E	<2
4150N 2450E	3
4150N 2475E	3
4150N 2500E	<2
*SG 40	1006
*BLANK	<2

Au 15g FA AA Finish.

Certified by 



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4350N 3625E	0.3	1.97	<5	22	<0.5	<5	0.05	<1	6	10	8	2.16	1	0.02	<10	0.46	293	<2	0.01	5	0.039	12	0.03	<5	2	4	<5	0.04	<10	<10	40	<10	41	1
4350N 3650E	0.3	0.99	<5	17	<0.5	<5	0.02	<1	1	3	2	0.77	<1	0.02	<10	0.05	41	<2	0.01	1	0.055	10	0.04	<5	<1	3	<5	0.03	<10	<10	21	<10	6	<1
4350N 3675E	<0.2	2.13	<5	20	<0.5	5	0.05	<1	5	11	8	2.52	1	0.02	<10	0.38	247	<2	0.01	4	0.046	14	0.03	<5	2	4	<5	0.06	<10	<10	49	<10	32	1
4350N 3700E	<0.2	1.58	<5	21	<0.5	6	0.06	<1	8	12	4	2.99	1	0.03	<10	0.57	420	<2	0.01	5	0.036	10	0.03	<5	2	4	<5	0.07	<10	<10	58	<10	44	1
4350N 3725E	<0.2	2.12	<5	23	<0.5	6	0.06	<1	7	11	8	3.40	<1	0.03	<10	0.53	379	<2	0.01	5	0.035	13	0.02	<5	2	3	<5	0.07	<10	<10	54	<10	42	2
4350N 3750E	0.2	1.88	<5	25	<0.5	<5	0.04	<1	5	13	5	2.26	<1	0.03	<10	0.30	383	<2	0.01	4	0.053	12	0.05	<5	1	3	<5	0.06	<10	<10	41	<10	28	2
4350N 3775E	0.3	1.43	<5	22	<0.5	<5	0.04	<1	5	9	5	1.67	<1	0.03	<10	0.30	243	<2	0.01	4	0.052	12	0.05	<5	1	3	<5	0.05	<10	<10	37	<10	23	1
4350N 3800E	<0.2	1.65	<5	18	<0.5	8	0.03	<1	4	9	1	4.38	<1	0.02	<10	0.20	169	<2	0.01	2	0.059	12	0.02	<5	2	3	<5	0.08	<10	<10	92	<10	19	2
4350N 3825E	0.2	2.30	<5	20	0.5	7	0.03	1	4	12	6	3.61	1	0.01	<10	0.26	176	<2	0.01	3	0.035	16	0.02	<5	3	3	<5	0.08	<10	<10	72	<10	23	3
4350N 3850E	0.2	1.72	<5	24	<0.5	6	0.04	<1	4	11	4	3.02	1	0.03	<10	0.25	287	<2	0.02	3	0.043	11	0.03	<5	1	4	<5	0.07	<10	<10	71	<10	21	1
4300N 2350E	0.7	2.41	<5	44	0.7	<5	0.05	1	3	6	5	2.02	<1	0.01	<10	0.25	144	<2	0.01	2	0.033	16	0.03	<5	2	3	<5	0.04	<10	<10	37	<10	19	1
4300N 2425E	<0.2	2.89	<5	48	0.5	8	0.03	1	6	9	7	3.83	<1	0.04	13	0.29	251	<2	0.01	2	0.044	15	0.03	<5	6	3	<5	0.03	<10	<10	62	<10	34	4
4300N 2450E	<0.2	0.81	<5	24	0.5	5	0.04	<1	3	6	1	3.01	<1	0.02	<10	0.13	105	<2	0.01	1	0.031	6	0.01	<5	1	4	<5	0.12	<10	<10	118	<10	14	1
4300N 2475E	<0.2	3.13	<5	26	0.6	8	0.04	1	6	13	9	3.94	<1	0.02	<10	0.47	266	<2	0.01	4	0.032	18	0.03	<5	3	3	<5	0.08	<10	<10	65	<10	35	3
4300N 2500E	<0.2	1.90	<5	33	<0.5	6	0.04	<1	6	11	7	2.82	<1	0.02	<10	0.49	266	<2	0.02	4	0.028	12	0.02	<5	2	3	<5	0.04	<10	<10	58	<10	40	1
4300N 2525E-A	<0.2	3.01	<5	22	0.5	10	0.03	1	5	13	4	5.04	1	0.02	<10	0.36	225	<2	0.01	3	0.047	16	0.03	<5	3	2	<5	0.09	<10	<10	88	<10	31	7
4300N 2525E-B	0.3	3.42	<5	27	0.6	11	0.03	1	6	15	5	5.28	1	0.03	<10	0.36	230	<2	0.01	3	0.059	19	0.03	<5	4	3	<5	0.10	<10	<10	101	<10	33	7
4300N 2550E-A	<0.2	1.86	<5	18	0.5	5	0.05	<1	6	11	6	2.78	<1	0.02	<10	0.47	279	<2	0.01	4	0.019	14	0.02	<5	2	4	<5	0.08	<10	<10	53	<10	38	2
4300N 2550E-B	<0.2	1.85	<5	19	<0.5	5	0.08	<1	6	12	8	3.03	1	0.02	<10	0.52	324	<2	0.01	5	0.028	12	0.01	<5	3	5	<5	0.07	<10	<10	59	<10	43	1
4300N 2575E	<0.2	2.10	<5	31	0.5	9	0.06	<1	8	17	6	4.30	1	0.03	<10	0.56	405	<2	0.01	7	0.031	12	0.02	<5	2	4	<5	0.08	<10	<10	84	<10	48	2
4300N 2600E	<0.2	1.63	<5	34	<0.5	9	0.08	<1	4	10	2	5.12	1	0.02	<10	0.23	209	<2	0.01	2	0.048	8	0.03	<5	1	6	<5	0.10	<10	<10	88	<10	31	2
4300N 2625E	<0.2	0.27	<5	11	<0.5	<5	0.03	<1	1	2	<1	0.52	<1	0.01	<10	0.01	19	<2	0.01	<1	0.018	2	0.02	<5	<1	6	<5	0.03	<10	<10	16	<10	5	<1
4300N 2650E	<0.2	0.29	<5	<10	<0.5	<5	0.02	<1	1	4	<1	0.73	<1	0.01	<10	0.01	16	<2	0.01	<1	0.015	3	0.01	<5	<1	2	<5	0.02	<10	<10	28	<10	3	<1
4300N 2675E-A	<0.2	0.94	<5	15	<0.5	<5	0.03	<1	4	7	2	2.40	<1	0.02	<10	0.20	137	<2	0.01	2	0.020	7	0.01	<5	1	3	<5	0.06	<10	<10	64	<10	17	1
4300N 2675E-B	<0.2	1.40	10	17	<0.5	6	0.06	<1	8	12	3	3.72	<1	0.03	<10	0.55	332	<2	0.01	5	0.024	8	0.01	<5	2	4	<5	0.09	<10	<10	90	<10	39	1
4300N 2700E	0.2	2.41	<5	19	<0.5	6	0.03	<1	6	11	16	3.52	<1	0.02	<10	0.38	287	<2	0.01	4	0.035	12	0.03	<5	2	3	<5	0.05	<10	<10	52	<10	31	2
4300N 2725E	0.2	2.90	<5	36	0.6	7	0.05	1	5	11	9	3.33	1	0.02	<10	0.25	181	<2	0.01	3	0.055	17	0.04	<5	3	4	<5	0.07	<10	<10	57	<10	30	2
4300N 2750E	<0.2	1.38	<5	17	<0.5	<5	0.05	<1	6	10	8	2.50	<1	0.02	<10	0.44	279	<2	0.01	4	0.021	8	0.01	<5	3	4	<5	0.07	<10	<10	48	<10	35	1
4300N 2775E	<0.2	1.51	<5	19	<0.5	7	0.03	<1	4	9	1	4.02	<1	0.03	<10	0.28	219	<2	0.01	3	0.033	10	0.01	<5	2	3	<5	0.09	<10	<10	89	<10	25	2
4300N 2800E	<0.2	3.09	<5	22	0.5	10	0.03	<1	5	14	6	4.58	<1	0.01	<10	0.30	421	<2	0.01	3	0.062	16	0.04	<5	4	2	<5	0.09	<10	<10	76	<10	32	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4300N 2825E	<0.2	1.67	<5	23	<0.5	5	0.12	<1	7	11	12	2.59	<1	0.03	<10	0.52	362	<2	0.01	5	0.063	9	0.03	<5	2	4	<5	0.05	<10	<10	47	<10	40	1
4300N 2875E	0.2	2.08	<5	23	<0.5	<5	0.03	<1	6	11	14	2.61	<1	0.02	<10	0.30	1169	<2	0.01	3	0.087	13	0.04	<5	1	3	<5	0.05	<10	<10	58	<10	41	1
4300N 2900E	<0.2	1.89	<5	20	<0.5	6	0.05	<1	7	12	11	2.86	<1	0.03	<10	0.55	550	<2	0.01	6	0.075	11	0.05	<5	1	4	<5	0.04	<10	<10	54	<10	46	1
4300N 2925E	<0.2	2.93	8	30	0.7	7	0.10	<1	12	16	14	4.36	<1	0.02	<10	0.56	1176	<2	0.01	6	0.111	17	0.03	<5	4	5	<5	0.08	<10	<10	79	<10	50	3
4300N 2950E-A	<0.2	2.00	6	15	<0.5	8	0.12	<1	7	17	12	4.14	1	0.02	<10	0.48	382	<2	0.01	5	0.080	11	0.03	<5	2	5	<5	0.06	<10	<10	79	<10	43	2
4300N 2950E-B	<0.2	1.10	<5	19	<0.5	<5	0.05	<1	2	7	4	1.23	<1	0.02	<10	0.15	236	<2	0.01	2	0.061	17	0.03	<5	<1	3	<5	0.03	<10	<10	31	<10	16	<1
4300N 2975E	<0.2	2.11	<5	16	<0.5	5	0.05	<1	5	12	5	2.84	<1	0.02	<10	0.37	248	<2	0.02	4	0.048	13	0.03	<5	1	3	<5	0.06	<10	<10	55	<10	33	2
4300N 3000E-A	<0.2	1.78	<5	22	<0.5	5	0.04	<1	9	13	17	3.05	<1	0.02	<10	0.38	799	<2	0.01	4	0.064	10	0.02	<5	3	4	<5	0.06	<10	<10	61	<10	43	1
4300N 3000E-B	<0.2	1.52	<5	21	<0.5	<5	0.04	<1	6	10	11	2.59	<1	0.02	<10	0.33	702	<2	0.01	4	0.052	9	0.02	<5	2	3	<5	0.06	<10	<10	52	<10	37	1
4300N 3025E-A	<0.2	1.17	<5	38	<0.5	<5	0.20	<1	8	11	19	2.74	<1	0.03	<10	0.65	396	<2	0.01	6	0.056	8	0.01	<5	4	10	<5	0.05	<10	<10	55	<10	63	1
4300N 3025E-B	<0.2	1.20	<5	39	<0.5	5	0.20	<1	8	11	19	2.78	<1	0.03	<10	0.66	402	<2	0.01	7	0.059	8	0.01	<5	4	10	<5	0.05	<10	<10	55	<10	64	1
4300N 3050E	<0.2	1.30	<5	49	0.5	6	0.21	<1	9	12	17	2.92	1	0.04	<10	0.58	840	<2	0.02	7	0.060	8	0.02	<5	4	15	<5	0.05	<10	<10	58	<10	62	1
4300N 3075E-A	<0.2	1.48	<5	29	<0.5	<5	0.15	<1	6	10	13	2.55	1	0.03	<10	0.49	397	<2	0.01	5	0.070	8	0.01	<5	2	6	<5	0.05	<10	<10	50	<10	44	1
4300N 3075E-B	<0.2	1.49	<5	18	<0.5	5	0.14	<1	6	10	10	2.53	1	0.03	<10	0.50	340	<2	0.01	5	0.069	8	0.02	<5	2	6	<5	0.06	<10	<10	51	<10	43	1
4300N 3100E	<0.2	1.64	<5	17	<0.5	<5	0.18	<1	5	10	9	2.10	1	0.02	<10	0.44	272	<2	0.01	4	0.074	10	0.02	<5	3	8	<5	0.06	<10	<10	39	<10	42	1
4300N 3125E	<0.2	1.38	<5	20	<0.5	6	0.18	<1	9	10	18	3.30	<1	0.03	<10	0.74	648	<2	0.01	5	0.074	8	0.02	<5	3	6	<5	0.07	<10	<10	62	<10	58	1
4300N 3150E	<0.2	1.73	<5	25	<0.5	8	0.16	<1	9	14	15	4.19	1	0.04	<10	0.76	522	<2	0.01	5	0.095	8	0.03	<5	3	5	<5	0.07	<10	<10	80	<10	57	2
4300N 3175E	<0.2	1.63	<5	41	<0.5	9	0.10	<1	8	11	8	4.88	1	0.04	<10	0.58	470	<2	0.01	5	0.073	9	0.02	<5	3	6	<5	0.07	<10	<10	86	<10	54	2
4300N 3200E	<0.2	1.28	<5	32	<0.5	6	0.20	<1	10	13	13	3.08	<1	0.05	<10	0.70	925	2	0.02	6	0.063	8	0.03	<5	3	11	<5	0.06	<10	<10	61	<10	58	1
4300N 3225E	<0.2	1.39	<5	29	<0.5	7	0.15	<1	9	14	7	3.43	1	0.05	<10	0.81	605	<2	0.02	4	0.066	7	0.03	<5	2	5	<5	0.05	<10	<10	66	<10	63	1
4300N 3250E	<0.2	1.69	<5	26	<0.5	8	0.12	<1	8	10	18	3.80	1	0.04	<10	0.66	563	2	0.01	4	0.080	10	0.04	<5	2	4	<5	0.05	<10	<10	67	<10	57	1
4300N 3275E	<0.2	1.48	<5	27	0.5	7	0.21	<1	12	11	25	3.75	1	0.05	<10	0.99	1200	<2	0.01	6	0.066	6	0.02	<5	4	7	<5	0.08	<10	<10	66	<10	78	1
4300N 3300E	<0.2	1.54	<5	31	0.5	7	0.23	<1	11	15	13	3.67	1	0.06	<10	0.97	704	<2	0.02	6	0.071	8	0.03	<5	3	8	<5	0.08	<10	<10	73	<10	78	1
4300N 3350E	<0.2	1.66	<5	49	<0.5	5	0.12	<1	8	10	15	2.51	<1	0.03	<10	0.81	503	<2	0.01	5	0.031	12	0.02	<5	5	6	<5	0.06	<10	<10	62	<10	57	1
4300N 3375E-A	<0.2	1.12	<5	28	<0.5	5	0.07	<1	5	11	5	2.36	<1	0.04	<10	0.38	267	<2	0.02	3	0.064	8	0.03	<5	1	5	<5	0.04	<10	<10	46	<10	41	1
4300N 3375E-B	<0.2	1.33	<5	27	<0.5	5	0.09	<1	6	8	7	2.75	<1	0.04	<10	0.51	343	<2	0.01	3	0.078	9	0.03	<5	1	5	<5	0.05	<10	<10	52	<10	40	1
4300N 3400E	<0.2	2.27	<5	38	0.6	7	0.11	<1	9	9	16	3.42	<1	0.04	11	0.77	572	<2	0.01	5	0.085	12	0.06	<5	2	5	<5	0.05	<10	<10	58	<10	57	1
4300N 3425E-A	0.2	1.34	<5	25	<0.5	6	0.11	<1	7	8	15	3.05	1	0.03	<10	0.69	451	<2	0.01	4	0.050	7	0.03	<5	2	5	<5	0.05	<10	<10	56	<10	53	1
4300N 3425E-B	<0.2	1.80	<5	30	<0.5	8	0.09	<1	10	10	21	3.93	1	0.04	<10	0.88	599	2	0.01	5	0.043	9	0.02	<5	3	5	<5	0.07	<10	<10	67	<10	70	1
4300N 3450E	<0.2	1.35	<5	30	<0.5	6	0.11	<1	6	14	4	3.28	<1	0.05	<10	0.49	585	<2	0.02	3	0.053	9	0.03	<5	2	5	<5	0.06	<10	<10	69	<10	40	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4300N 3475E-A	<0.2	2.22	<5	18	<0.5	5	0.06	<1	5	11	7	2.55	1	0.02	<10	0.39	244	<2	0.01	3	0.035	12	0.04	<5	3	4	<5	0.06	<10	<10	44	<10	33	1
4300N 3475E-B	<0.2	2.04	<5	18	<0.5	5	0.08	<1	5	11	8	2.53	1	0.02	<10	0.42	270	<2	0.01	4	0.033	11	0.03	<5	3	5	<5	0.06	<10	<10	46	<10	34	1
4300N 3500E	0.2	1.49	<5	18	0.5	<5	0.07	1	2	13	3	0.77	<1	0.04	<10	0.06	35	<2	0.04	3	0.206	12	0.24	<5	<1	5	<5	0.01	<10	<10	11	<10	13	<1
4300N 3525E	<0.2	1.38	<5	24	<0.5	<5	0.09	<1	6	9	9	2.30	1	0.03	<10	0.53	346	<2	0.01	5	0.033	8	0.01	<5	3	4	<5	0.08	<10	<10	46	<10	38	1
4300N 3550E	0.2	2.16	<5	21	<0.5	6	0.04	<1	5	11	8	2.70	1	0.02	<10	0.40	266	<2	0.01	4	0.038	12	0.02	<5	3	3	<5	0.07	<10	<10	49	<10	32	2
4300N 3575E	<0.2	1.75	<5	31	<0.5	5	0.08	<1	7	10	9	2.37	<1	0.04	<10	0.65	379	<2	0.01	6	0.032	10	0.01	<5	3	4	<5	0.07	<10	<10	50	<10	48	2
4300N 3600E	<0.2	1.83	<5	52	<0.5	<5	0.11	<1	7	11	10	2.02	<1	0.04	<10	0.68	380	<2	0.01	6	0.038	12	0.01	<5	4	5	<5	0.07	<10	<10	57	<10	48	1
4300N 3625E	<0.2	1.83	<5	45	<0.5	<5	0.07	<1	6	14	14	2.28	<1	0.04	<10	0.57	327	<2	0.01	5	0.028	13	0.01	<5	3	5	<5	0.05	<10	<10	56	<10	42	1
4300N 3650E	<0.2	2.68	<5	38	0.5	9	0.08	<1	6	12	10	4.61	<1	0.03	<10	0.56	307	<2	0.01	5	0.065	12	0.04	<5	4	4	<5	0.05	<10	<10	58	<10	38	3
4300N 3675E	<0.2	1.83	<5	33	<0.5	7	0.14	<1	7	13	17	3.55	<1	0.04	<10	0.65	370	<2	0.01	5	0.087	8	0.03	<5	3	5	<5	0.06	<10	<10	70	<10	48	2
4300N 3700E	<0.2	1.81	<5	47	<0.5	6	0.09	<1	6	15	14	2.84	<1	0.05	<10	0.62	356	<2	0.02	6	0.062	11	0.04	<5	3	5	<5	0.06	<10	<10	57	<10	44	2
4300N 3725E	<0.2	1.38	<5	43	<0.5	7	0.08	<1	7	10	14	3.84	<1	0.03	<10	0.60	347	<2	0.01	5	0.049	6	0.01	<5	4	5	<5	0.06	<10	<10	51	<10	41	1
4300N 3750E	<0.2	1.30	<5	31	<0.5	<5	0.14	<1	7	9	13	2.13	<1	0.03	<10	0.66	386	<2	0.01	5	0.048	7	0.01	<5	3	5	<5	0.06	<10	<10	47	<10	46	1
4300N 3775E	<0.2	1.44	<5	40	<0.5	5	0.15	<1	8	14	19	2.49	<1	0.04	<10	0.80	453	<2	0.01	7	0.058	8	0.02	<5	4	6	<5	0.07	<10	<10	53	<10	54	2
4300N 3800E	<0.2	1.52	<5	34	<0.5	5	0.18	<1	9	18	24	2.50	<1	0.04	<10	0.89	508	<2	0.02	7	0.077	7	0.03	<5	4	6	<5	0.07	<10	<10	58	<10	59	2
4300N 3825E	<0.2	1.35	<5	39	<0.5	<5	0.12	<1	8	10	12	2.33	<1	0.03	<10	0.77	431	<2	0.01	6	0.047	7	0.01	<5	4	5	<5	0.06	<10	<10	55	<10	53	1
4300N 3850E	<0.2	1.94	<5	30	<0.5	<5	0.10	<1	5	14	10	1.50	<1	0.03	<10	0.50	278	<2	0.01	6	0.103	12	0.08	<5	2	4	<5	0.04	<10	<10	30	<10	37	1
4250N 2350E	<0.2	1.64	<5	20	<0.5	6	0.06	<1	6	11	6	2.93	<1	0.03	<10	0.53	395	<2	0.01	6	0.050	12	0.03	<5	2	3	<5	0.11	<10	<10	56	<10	39	2
4250N 2375E	<0.2	1.83	<5	24	<0.5	7	0.05	<1	6	11	8	3.45	<1	0.02	<10	0.50	339	<2	0.01	5	0.037	10	0.02	<5	1	4	<5	0.07	<10	<10	56	<10	42	2
4250N 2400E	<0.2	2.24	<5	16	<0.5	5	0.08	<1	5	11	10	2.77	<1	0.02	<10	0.41	250	<2	0.01	4	0.066	12	0.04	<5	2	4	<5	0.06	<10	<10	51	<10	31	2
4250N 2425E	<0.2	1.37	<5	12	<0.5	5	0.03	<1	3	9	1	2.56	<1	0.01	<10	0.26	161	<2	0.01	2	0.020	8	0.01	<5	1	2	<5	0.06	<10	<10	51	<10	20	1
4250N 2450E-A	<0.2	0.27	<5	13	<0.5	<5	0.03	<1	1	1	<1	0.48	<1	0.01	<10	0.03	24	<2	0.01	<1	0.023	2	0.01	<5	<1	3	<5	0.02	<10	<10	14	<10	3	<1
4250N 2450E-B	<0.2	0.49	<5	14	<0.5	<5	0.02	<1	1	2	<1	0.80	<1	0.01	<10	0.02	20	<2	0.01	<1	0.014	4	0.01	<5	1	2	<5	0.05	<10	<10	38	<10	2	<1
4250N 2475E-A	<0.2	3.45	5	21	0.5	6	0.04	1	6	17	7	3.43	1	0.02	<10	0.42	440	<2	0.01	4	0.075	25	0.02	<5	5	3	<5	0.12	<10	<10	68	<10	32	5
4250N 2475E-B	<0.2	3.18	5	19	0.5	6	0.05	1	6	15	8	3.13	<1	0.02	<10	0.44	408	<2	0.01	4	0.072	19	0.02	<5	4	3	<5	0.10	<10	<10	61	<10	33	4
4250N 2500E	<0.2	1.21	<5	21	<0.5	10	0.04	<1	3	8	1	5.24	<1	0.02	<10	0.23	167	<2	0.01	1	0.057	6	0.02	<5	2	4	<5	0.11	<10	<10	109	<10	18	2
4250N 2525E-A	0.2	2.78	<5	29	<0.5	8	0.06	<1	5	13	8	3.84	1	0.03	<10	0.42	298	<2	0.01	4	0.069	15	0.03	<5	3	4	<5	0.07	<10	<10	62	<10	35	2
4250N 2525E-B	<0.2	2.93	<5	34	0.5	8	0.08	<1	7	15	9	4.02	1	0.03	<10	0.52	337	<2	0.01	5	0.066	17	0.02	<5	3	5	<5	0.07	<10	<10	65	<10	44	3
4250N 2550E	<0.2	1.82	<5	24	0.5	<5	0.04	<1	4	10	4	2.19	<1	0.03	<10	0.29	218	<2	0.01	3	0.064	16	0.07	<5	2	3	<5	0.11	<10	<10	55	<10	27	1
4250N 2575E	<0.2	1.15	<5	20	<0.5	<5	0.03	<1	1	4	2	1.48	<1	0.01	<10	0.08	57	<2	0.01	1	0.027	13	0.02	<5	1	4	<5	0.07	<10	<10	55	<10	8	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4250N 2600E	<0.2	1.57	<5	38	<0.5	6	0.15	<1	8	9	3	2.91	<1	0.12	<10	0.73	431	<2	0.01	3	0.086	11	0.06	<5	3	6	<5	0.09	<10	<10	64	<10	43	1
4250N 2625E	<0.2	3.03	<5	20	0.8	5	0.06	<1	9	22	10	2.63	<1	0.04	10	0.97	286	<2	0.01	11	0.074	23	0.09	<5	3	4	<5	0.11	<10	<10	76	<10	45	7
4250N 2650E	<0.2	1.76	<5	31	0.5	<5	0.09	<1	3	20	8	0.81	<1	0.05	13	0.24	139	<2	0.02	4	0.135	20	0.15	<5	<1	8	<5	0.02	<10	<10	26	<10	26	2
4250N 2675E	<0.2	2.36	<5	45	0.5	7	0.18	<1	10	14	16	3.24	<1	0.04	<10	1.01	505	<2	0.01	8	0.058	14	0.03	<5	5	7	<5	0.04	<10	<10	65	<10	76	2
4250N 2700E	<0.2	2.53	<5	34	0.6	6	0.04	<1	6	13	9	3.14	1	0.02	<10	0.35	248	<2	0.01	4	0.032	15	0.02	<5	5	4	<5	0.08	<10	<10	72	<10	34	3
4250N 2725E	0.2	1.45	<5	28	<0.5	<5	0.06	<1	3	7	3	1.85	<1	0.04	<10	0.26	159	<2	0.01	3	0.051	11	0.04	<5	1	6	<5	0.05	<10	<10	43	<10	26	1
4250N 2750E	0.3	1.85	<5	64	0.6	<5	0.16	<1	6	11	3	1.59	1	0.03	<10	0.48	248	<2	0.01	5	0.035	17	0.06	<5	2	13	<5	0.07	<10	<10	44	<10	44	1
4250N 2775E	<0.2	2.46	<5	25	<0.5	<5	0.04	<1	3	7	3	1.30	<1	0.02	<10	0.20	107	<2	0.01	2	0.037	18	0.03	<5	2	4	<5	0.06	<10	<10	35	<10	19	1
4250N 2800E	0.6	1.72	<5	33	<0.5	<5	0.07	<1	3	8	4	1.58	<1	0.04	<10	0.26	138	<2	0.01	3	0.053	13	0.06	<5	1	6	<5	0.04	<10	<10	36	<10	25	1
4250N 2825E	0.3	3.22	<5	27	<0.5	6	0.05	<1	3	11	10	2.92	<1	0.03	<10	0.25	154	<2	0.01	2	0.031	21	0.02	<5	4	4	<5	0.06	<10	<10	62	<10	24	4
4250N 2850E-A	<0.2	0.92	<5	43	<0.5	<5	0.06	<1	2	4	2	1.00	<1	0.04	<10	0.12	76	<2	0.01	1	0.036	12	0.03	<5	1	6	<5	0.04	<10	<10	26	<10	16	<1
4250N 2850E-B	<0.2	1.20	<5	37	<0.5	<5	0.05	<1	3	6	3	1.46	<1	0.03	<10	0.24	140	<2	0.01	2	0.036	9	0.03	<5	1	5	<5	0.04	<10	<10	32	<10	27	<1
4250N 2875E	0.2	2.67	<5	29	<0.5	5	0.04	<1	5	12	10	2.62	1	0.03	<10	0.33	293	<2	0.01	4	0.053	16	0.05	<5	1	5	<5	0.05	<10	<10	53	<10	38	1
4250N 2900E	<0.2	1.29	<5	24	0.5	<5	0.04	<1	2	5	<1	1.34	<1	0.02	<10	0.12	74	<2	0.01	1	0.017	15	0.02	<5	2	3	<5	0.11	<10	<10	54	<10	13	1
4250N 2925E	<0.2	1.94	<5	30	<0.5	8	0.05	<1	5	11	4	3.71	<1	0.02	<10	0.34	271	<2	0.01	4	0.033	12	0.02	<5	2	5	<5	0.07	<10	<10	68	<10	35	1
4250N 2950E	<0.2	0.67	<5	15	<0.5	<5	0.05	<1	2	5	1	1.65	<1	0.03	<10	0.13	103	<2	0.01	1	0.030	8	0.01	<5	1	4	<5	0.08	<10	<10	57	<10	14	1
4250N 2975E	<0.2	1.73	<5	40	<0.5	8	0.13	<1	9	12	12	3.73	<1	0.06	<10	0.64	593	<2	0.01	6	0.049	10	0.03	<5	3	10	<5	0.06	<10	<10	71	<10	58	1
4250N 3000E	<0.2	1.77	<5	73	0.5	5	0.17	<1	11	12	25	2.97	1	0.05	<10	0.58	750	<2	0.01	9	0.049	11	0.01	<5	5	12	<5	0.05	<10	<10	59	<10	75	1
4250N 3025E	<0.2	1.44	<5	16	<0.5	<5	0.07	<1	5	9	5	1.85	1	0.02	<10	0.40	238	<2	0.01	4	0.027	8	0.03	<5	2	5	<5	0.05	<10	<10	35	<10	37	1
4250N 3050E	<0.2	2.32	<5	27	<0.5	7	0.07	<1	6	12	6	3.56	1	0.02	<10	0.40	399	<2	0.01	4	0.037	11	0.02	<5	2	5	<5	0.06	<10	<10	58	<10	35	2
4250N 3075E	<0.2	1.40	<5	18	<0.5	5	0.10	<1	6	11	4	2.81	1	0.02	<10	0.42	268	<2	0.01	4	0.029	7	0.01	<5	3	5	<5	0.06	<10	<10	58	<10	35	2
4250N 3100E	<0.2	1.45	<5	38	0.5	6	0.19	<1	10	12	17	3.01	1	0.06	<10	0.70	788	<2	0.02	7	0.070	7	0.01	<5	4	9	<5	0.06	<10	<10	61	<10	62	1
4250N 3125E	<0.2	0.72	<5	34	<0.5	<5	0.06	<1	2	4	2	1.17	<1	0.03	<10	0.08	86	7	0.01	1	0.030	9	0.02	<5	1	5	<5	0.08	<10	<10	37	<10	9	1
4250N 3150E	0.5	2.32	<5	24	<0.5	8	0.05	<1	7	14	9	3.60	1	0.04	<10	0.41	462	<2	0.01	5	0.048	14	0.04	<5	2	4	<5	0.06	<10	<10	67	<10	43	1
4250N 3175E-A	<0.2	2.57	<5	21	0.5	7	0.06	<1	5	13	3	3.60	<1	0.02	<10	0.41	254	<2	0.01	3	0.038	13	0.04	<5	3	3	<5	0.09	<10	<10	58	<10	31	3
4250N 3175E-B	<0.2	2.29	<5	23	<0.5	6	0.08	<1	6	12	4	3.56	1	0.03	<10	0.49	300	<2	0.01	4	0.036	12	0.03	<5	3	4	<5	0.07	<10	<10	59	<10	38	2
4250N 3200E-A	<0.2	1.19	<5	35	<0.5	<5	0.20	<1	7	17	10	2.24	<1	0.05	<10	0.59	342	<2	0.02	5	0.064	7	0.05	<5	2	9	<5	0.04	<10	<10	49	<10	47	1
4250N 3200E-B	<0.2	1.43	<5	26	0.5	5	0.24	<1	10	12	17	3.04	1	0.04	<10	0.90	534	<2	0.01	7	0.061	6	0.03	<5	4	8	<5	0.07	<10	<10	64	<10	61	2
4250N 3225E-A	<0.2	1.32	<5	34	<0.5	<5	0.17	<1	7	12	7	2.60	<1	0.04	<10	0.59	367	<2	0.02	4	0.048	9	0.04	<5	2	9	<5	0.05	<10	<10	57	<10	49	1
4250N 3225E-B	<0.2	1.67	<5	37	0.5	7	0.23	<1	10	15	13	3.50	1	0.04	<10	0.90	560	<2	0.02	6	0.057	9	0.03	<5	4	9	<5	0.07	<10	<10	71	<10	68	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis
Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4250N 3250E	<0.2	2.19	<5	42	0.5	8	0.12	<1	9	14	8	4.17	1	0.05	<10	0.60	666	3	0.01	5	0.047	12	0.03	<5	3	9	<5	0.09	<10	<10	78	<10	45	2
4250N 3275E	<0.2	1.42	<5	35	<0.5	5	0.15	<1	8	9	17	2.85	<1	0.05	<10	0.61	561	<2	0.01	4	0.071	9	0.04	<5	2	6	<5	0.05	<10	<10	56	<10	55	1
4250N 3300E	<0.2	1.28	<5	46	<0.5	6	0.22	<1	11	14	11	3.14	<1	0.06	<10	0.67	929	<2	0.02	6	0.071	7	0.03	<5	2	9	<5	0.06	<10	<10	63	<10	60	1
4250N 3325E	<0.2	1.34	<5	37	0.6	8	0.36	<1	13	14	24	4.23	1	0.05	<10	0.98	884	<2	0.02	6	0.067	6	0.02	<5	5	10	<5	0.08	<10	<10	83	<10	83	2
4250N 3350E	<0.2	3.26	<5	25	<0.5	8	0.06	1	6	12	18	3.65	1	0.03	<10	0.36	377	3	0.01	3	0.089	17	0.08	<5	1	4	<5	0.05	<10	<10	62	<10	32	2
4250N 3375E	<0.2	1.85	<5	33	<0.5	6	0.15	<1	9	10	16	3.48	<1	0.03	<10	0.81	508	2	0.01	5	0.048	10	0.03	<5	4	5	<5	0.06	<10	<10	66	<10	61	1
4250N 3400E	<0.2	1.36	<5	33	<0.5	5	0.10	<1	8	8	8	2.90	<1	0.03	<10	0.55	696	<2	0.01	3	0.045	7	0.02	<5	1	5	<5	0.04	<10	<10	57	<10	47	1
4250N 3425E	<0.2	1.61	<5	21	<0.5	8	0.06	<1	5	12	7	4.23	<1	0.02	<10	0.32	224	<2	0.01	4	0.133	9	0.03	<5	1	4	<5	0.06	<10	<10	86	<10	30	2
4250N 3450E	<0.2	1.94	<5	35	<0.5	6	0.07	<1	8	12	9	3.02	<1	0.04	<10	0.50	508	2	0.01	4	0.071	14	0.03	<5	1	5	<5	0.06	<10	<10	70	<10	52	1
4250N 3475E	<0.2	2.60	<5	19	<0.5	8	0.04	<1	8	13	8	4.03	<1	0.02	<10	0.35	446	<2	0.01	3	0.055	13	0.03	<5	3	3	<5	0.07	<10	<10	67	<10	33	2
4250N 3500E-A	<0.2	1.69	<5	17	<0.5	<5	0.04	<1	2	7	5	1.93	<1	0.02	<10	0.12	85	<2	0.01	2	0.050	13	0.02	<5	1	3	<5	0.04	<10	<10	39	<10	11	1
4250N 3500E-B	<0.2	1.84	<5	19	<0.5	<5	0.04	<1	2	9	5	2.28	<1	0.02	<10	0.15	102	<2	0.01	2	0.056	14	0.03	<5	1	3	<5	0.05	<10	<10	44	<10	12	1
4250N 3525E	<0.2	1.14	<5	16	<0.5	<5	0.06	<1	3	7	7	1.35	<1	0.03	<10	0.29	162	<2	0.01	3	0.044	9	0.03	<5	1	4	<5	0.04	<10	<10	31	<10	24	1
4250N 3550E	<0.2	3.20	<5	33	1.3	8	0.12	<1	17	39	3	4.36	<1	0.22	<10	1.84	784	<2	0.01	18	0.053	14	0.03	<5	8	5	5	0.20	<10	<10	95	<10	60	4
4250N 3575E	<0.2	2.01	<5	19	0.5	<5	0.07	<1	5	12	7	2.36	<1	0.02	<10	0.36	263	<2	0.01	4	0.038	11	0.04	<5	2	5	<5	0.06	<10	<10	46	<10	32	2
4250N 3600E-A	<0.2	0.91	<5	25	<0.5	<5	0.05	<1	2	9	3	1.03	<1	0.03	<10	0.12	121	<2	0.01	1	0.049	12	0.04	<5	1	4	<5	0.09	<10	<10	41	<10	11	2
4250N 3600E-B	<0.2	1.41	<5	29	<0.5	<5	0.06	<1	3	10	6	1.46	<1	0.04	<10	0.24	226	<2	0.01	4	0.081	12	0.06	<5	1	5	<5	0.03	<10	<10	39	<10	23	1
4250N 3625E	<0.2	1.79	<5	27	<0.5	<5	0.11	<1	5	13	5	2.25	<1	0.02	<10	0.40	204	<2	0.01	4	0.073	11	0.05	<5	1	5	<5	0.05	<10	<10	48	<10	31	2
4250N 3650E	<0.2	1.06	<5	27	<0.5	5	0.21	<1	10	10	13	2.95	<1	0.04	<10	0.65	708	<2	0.01	5	0.042	4	0.01	<5	3	8	<5	0.07	<10	<10	58	<10	50	2
4250N 3675E-A	0.2	1.49	<5	29	<0.5	5	0.08	<1	6	16	3	2.66	<1	0.06	<10	0.46	393	<2	0.01	12	0.056	10	0.04	<5	1	4	<5	0.07	<10	<10	64	<10	26	1
4250N 3675E-B	0.2	1.35	<5	31	<0.5	<5	0.06	<1	4	11	4	2.36	<1	0.05	<10	0.20	295	<2	0.01	3	0.052	10	0.04	<5	1	5	<5	0.05	<10	<10	59	<10	16	1
4250N 3700E	<0.2	1.61	<5	18	<0.5	<5	0.09	<1	6	9	4	1.80	<1	0.02	<10	0.50	295	<2	0.01	4	0.034	8	0.03	<5	3	4	<5	0.05	<10	<10	43	<10	36	2
4250N 3725E	<0.2	1.94	<5	22	0.5	5	0.09	<1	6	11	6	2.40	<1	0.02	<10	0.43	272	<2	0.01	4	0.039	11	0.03	<5	2	6	<5	0.06	<10	<10	42	<10	36	2
4250N 3750E	<0.2	1.13	<5	30	<0.5	<5	0.06	<1	3	8	2	1.34	<1	0.04	<10	0.20	219	<2	0.01	2	0.059	11	0.05	<5	1	5	<5	0.04	<10	<10	42	<10	14	<1
4250N 3775E	<0.2	1.56	<5	28	<0.5	5	0.07	<1	5	10	7	2.87	<1	0.03	<10	0.44	255	<2	0.01	3	0.053	9	0.04	<5	1	4	<5	0.04	<10	<10	54	<10	33	1
4250N 3800E	<0.2	1.47	<5	27	<0.5	6	0.15	<1	9	10	16	3.02	<1	0.04	<10	0.68	577	<2	0.01	5	0.049	6	0.01	<5	4	6	<5	0.07	<10	<10	55	<10	51	2
4250N 3825E	<0.2	1.22	<5	26	<0.5	<5	0.05	<1	2	5	2	1.51	<1	0.03	<10	0.11	80	<2	0.01	1	0.039	11	0.03	<5	1	4	<5	0.05	<10	<10	37	<10	11	<1
4250N 3850E	<0.2	1.93	<5	22	0.5	6	0.05	<1	6	10	3	3.57	<1	0.03	<10	0.46	287	<2	0.01	3	0.035	9	0.03	<5	2	4	<5	0.08	<10	<10	61	<10	33	2
4200N 2350E	<0.2	2.00	<5	22	0.5	5	0.08	<1	6	11	11	2.80	<1	0.03	<10	0.44	306	<2	0.01	5	0.038	11	0.04	<5	2	6	<5	0.07	<10	<10	52	<10	36	2
4200N 2375E	<0.2	1.08	<5	22	<0.5	<5	0.03	<1	4	8	4	2.25	<1	0.03	<10	0.26	238	<2	0.01	3	0.036	8	0.03	<5	1	4	<5	0.06	<10	<10	52	<10	23	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4200N 2400E	<0.2	0.82	<5	12	<0.5	<5	0.04	<1	2	3	2	1.18	<1	0.02	<10	0.15	152	<2	0.01	1	0.046	7	0.04	<5	1	3	<5	0.12	<10	<10	45	<10	13	1
4200N 2425E	<0.2	1.24	<5	14	<0.5	5	0.14	<1	6	11	10	2.73	2	0.02	<10	0.42	345	<2	0.01	5	0.048	6	0.01	<5	2	6	<5	0.07	<10	<10	54	<10	35	2
4200N 2450E	<0.2	1.73	<5	31	<0.5	5	0.10	<1	8	11	11	2.74	1	0.04	<10	0.64	491	<2	0.01	6	0.062	10	0.02	<5	2	6	<5	0.05	<10	<10	54	<10	55	1
4200N 2475E	0.2	1.40	<5	20	<0.5	<5	0.05	<1	4	8	6	1.43	1	0.03	<10	0.28	170	<2	0.01	4	0.064	10	0.06	<5	1	5	<5	0.04	<10	<10	36	<10	27	1
4200N 2500E	<0.2	1.72	<5	46	0.6	6	0.22	<1	9	14	22	3.17	1	0.05	<10	0.62	873	<2	0.01	8	0.103	10	0.01	<5	4	9	<5	0.06	<10	<10	65	<10	67	2
4200N 2525E-A	<0.2	1.92	<5	32	<0.5	5	0.11	<1	8	12	16	2.90	1	0.04	<10	0.57	585	<2	0.01	7	0.096	12	0.01	<5	2	7	<5	0.05	<10	<10	58	<10	57	2
4200N 2525E-B	<0.2	1.98	<5	36	<0.5	5	0.09	<1	9	12	18	3.02	1	0.04	<10	0.64	555	<2	0.01	7	0.079	12	0.01	<5	3	6	<5	0.05	<10	<10	58	<10	64	2
4200N 2550E	<0.2	2.56	7	29	0.6	8	0.12	<1	13	16	18	4.37	1	0.04	<10	0.69	987	<2	0.01	7	0.187	17	0.03	<5	4	6	<5	0.07	<10	<10	85	<10	64	2
4200N 2575E-A	<0.2	3.22	7	52	0.7	6	0.08	1	10	18	32	3.21	1	0.07	12	0.62	688	<2	0.01	8	0.206	22	0.05	<5	3	7	<5	0.04	<10	<10	64	<10	72	2
4200N 2575E-B	<0.2	3.18	9	51	0.7	6	0.07	1	10	18	32	3.30	1	0.07	12	0.62	776	<2	0.01	9	0.201	21	0.05	<5	3	6	<5	0.05	<10	<10	65	<10	73	2
4200N 2600E	<0.2	2.36	<5	27	0.5	6	0.12	<1	10	18	10	3.03	1	0.05	<10	0.83	515	<2	0.01	10	0.088	15	0.05	<5	2	6	<5	0.06	<10	<10	68	<10	61	2
4200N 2625E-A	<0.2	2.01	<5	22	<0.5	5	0.08	<1	6	11	9	2.41	<1	0.04	<10	0.41	454	<2	0.01	5	0.100	12	0.08	<5	1	4	<5	0.04	<10	<10	47	<10	42	2
4200N 2625E-B	<0.2	1.85	<5	23	<0.5	5	0.09	<1	6	11	9	2.29	1	0.04	<10	0.44	383	<2	0.01	5	0.103	12	0.08	<5	1	5	<5	0.03	<10	<10	42	<10	45	1
4200N 2650E	0.2	3.28	99	32	0.7	11	0.06	1	11	15	12	5.20	1	0.06	<10	0.83	695	<2	0.01	6	0.074	17	0.06	<5	3	3	<5	0.07	<10	<10	126	<10	60	2
4200N 2675E	<0.2	2.18	<5	20	0.5	6	0.09	<1	8	13	12	3.16	1	0.03	<10	0.44	590	<2	0.01	5	0.081	15	0.05	<5	2	5	<5	0.06	<10	<10	61	<10	43	1
4200N 2700E	<0.2	2.47	<5	19	0.5	7	0.04	<1	6	14	9	3.50	1	0.01	<10	0.40	252	<2	0.01	4	0.036	14	0.03	<5	4	4	<5	0.08	<10	<10	68	<10	36	3
4200N 2725E	<0.2	1.69	<5	24	<0.5	5	0.06	<1	6	9	5	2.49	1	0.03	<10	0.43	483	<2	0.01	4	0.056	9	0.06	<5	1	5	<5	0.03	<10	<10	44	<10	37	1
4200N 2750E	0.2	1.22	<5	18	<0.5	<5	0.07	<1	4	7	4	1.81	<1	0.04	<10	0.29	263	<2	0.01	2	0.061	8	0.03	<5	1	3	<5	0.02	<10	<10	31	<10	30	1
4200N 2775E	0.3	2.25	<5	24	<0.5	<5	0.04	<1	5	14	12	1.96	<1	0.03	<10	0.21	692	2	0.01	5	0.094	15	0.08	<5	<1	4	<5	0.03	<10	<10	40	<10	25	2
4200N 2800E	<0.2	2.47	<5	26	0.6	7	0.04	<1	4	13	7	3.44	1	0.02	<10	0.25	231	<2	0.01	3	0.074	16	0.03	<5	2	4	<5	0.10	<10	<10	72	<10	23	2
4200N 2825E	<0.2	2.55	<5	23	0.5	<5	0.05	<1	5	11	7	2.20	1	0.02	14	0.33	336	<2	0.01	4	0.071	16	0.06	<5	1	4	<5	0.04	<10	<10	43	<10	37	2
4200N 2850E	<0.2	4.08	<5	21	0.8	5	0.10	1	7	19	37	2.71	<1	0.03	17	0.55	420	<2	0.02	7	0.134	24	0.09	<5	3	4	<5	0.04	<10	<10	46	<10	46	4
4200N 2875E	<0.2	1.31	<5	27	<0.5	12	0.05	<1	5	10	9	6.37	1	0.02	<10	0.33	227	<2	0.01	4	0.061	7	0.05	<5	1	4	<5	0.08	<10	<10	89	<10	24	3
4200N 2900E	<0.2	1.55	<5	40	<0.5	6	0.09	<1	7	11	12	2.66	1	0.04	<10	0.56	322	2	0.01	6	0.055	10	0.04	<5	1	7	<5	0.04	<10	<10	54	<10	52	1
4200N 2925E	<0.2	1.59	<5	48	0.5	5	0.13	<1	6	11	12	2.51	<1	0.04	10	0.51	302	<2	0.01	5	0.051	12	0.04	<5	2	12	<5	0.04	<10	<10	52	<10	50	1
4200N 2950E	<0.2	1.36	<5	22	<0.5	<5	0.10	<1	5	10	7	2.05	1	0.02	<10	0.45	246	<2	0.01	4	0.051	8	0.04	<5	3	6	<5	0.05	<10	<10	29	<10	40	2
4200N 2975E	<0.2	0.80	<5	19	<0.5	<5	0.05	<1	3	4	3	1.16	<1	0.02	<10	0.17	112	<2	0.01	2	0.033	8	0.03	<5	1	5	<5	0.05	<10	<10	27	<10	17	1
4200N 3000E	<0.2	2.66	<5	25	0.6	6	0.07	<1	7	12	17	2.98	<1	0.03	12	0.59	468	2	0.02	5	0.088	18	0.11	<5	2	5	<5	0.07	<10	<10	67	<10	40	4
4200N 3025E	0.3	2.82	<5	24	0.7	8	0.07	<1	6	14	24	3.99	1	0.03	<10	0.36	662	4	0.01	4	0.063	18	0.06	<5	2	5	<5	0.08	<10	<10	79	<10	31	6
4200N 3050E-A	<0.2	2.35	<5	21	<0.5	5	0.03	<1	2	9	7	2.67	1	0.02	<10	0.13	116	<2	0.01	1	0.068	16	0.05	<5	1	2	<5	0.05	<10	<10	48	<10	10	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4200N 3050E-B	<0.2	4.16	<5	21	0.6	7	0.04	1	4	13	13	3.65	1	0.02	<10	0.21	302	<2	0.01	3	0.102	23	0.08	<5	2	2	<5	0.06	<10	<10	63	<10	17	2
4200N 3075E-A	0.6	2.27	<5	18	0.5	6	0.05	<1	4	12	12	2.95	1	0.02	<10	0.24	234	<2	0.01	3	0.060	13	0.03	<5	2	4	<5	0.08	<10	<10	63	<10	20	2
4200N 3075E-B	0.7	2.71	<5	18	0.5	7	0.05	1	6	13	14	3.21	1	0.02	<10	0.30	376	<2	0.01	4	0.078	15	0.03	<5	3	3	<5	0.08	<10	<10	67	<10	23	2
4200N 3100E-A	<0.2	1.38	<5	18	<0.5	<5	0.16	<1	10	12	23	2.61	<1	0.03	<10	0.52	693	<2	0.01	5	0.063	7	0.01	<5	3	6	<5	0.06	<10	<10	50	<10	47	2
4200N 3100E-B	<0.2	1.50	6	20	0.5	<5	0.18	<1	12	13	29	2.80	1	0.04	<10	0.54	964	<2	0.01	6	0.068	9	0.01	<5	4	7	<5	0.07	<10	<10	56	<10	53	2
4200N 3125E	0.4	3.44	<5	27	0.5	11	0.04	1	5	21	6	5.23	1	0.02	<10	0.31	291	<2	0.01	3	0.056	20	0.04	<5	4	3	<5	0.08	<10	<10	67	<10	29	4
4200N 3150E	0.7	2.22	<5	25	0.5	5	0.07	<1	6	11	7	2.27	1	0.03	<10	0.42	377	<2	0.01	4	0.056	13	0.06	<5	2	5	<5	0.08	<10	<10	50	<10	39	2
4200N 3175E	<0.2	1.54	<5	19	<0.5	5	0.18	<1	9	12	16	2.61	1	0.03	<10	0.49	604	<2	0.01	5	0.051	8	0.01	<5	4	7	<5	0.07	<10	<10	54	<10	43	2
4200N 3200E-A	<0.2	2.57	<5	33	<0.5	<5	0.10	<1	6	13	9	2.30	1	0.04	<10	0.40	262	4	0.01	4	0.066	15	0.06	<5	2	6	<5	0.05	<10	<10	37	<10	46	3
4200N 3200E-B	0.2	2.09	<5	42	<0.5	6	0.08	<1	6	11	6	3.16	1	0.04	<10	0.41	351	<2	0.01	4	0.047	13	0.03	<5	1	6	<5	0.05	<10	<10	56	<10	45	1
4200N 3225E	<0.2	1.08	<5	35	0.5	5	0.33	<1	10	11	15	2.88	1	0.04	<10	0.69	739	<2	0.02	6	0.056	4	0.02	<5	4	13	<5	0.08	<10	<10	57	<10	52	2
4200N 3250E	<0.2	1.10	<5	26	<0.5	<5	0.16	<1	6	8	9	2.37	1	0.03	<10	0.50	315	<2	0.01	4	0.035	6	0.02	<5	2	7	<5	0.06	<10	<10	49	<10	40	1
4200N 3275E	<0.2	1.80	<5	26	<0.5	6	0.12	<1	8	12	14	2.90	1	0.04	<10	0.59	395	2	0.01	4	0.063	10	0.04	<5	2	5	<5	0.06	<10	<10	63	<10	56	2
4200N 3300E	<0.2	1.27	<5	32	0.6	7	0.32	<1	13	11	26	3.83	1	0.04	<10	0.95	960	<2	0.01	6	0.071	5	0.01	<5	5	8	<5	0.09	<10	<10	70	<10	77	3
4200N 3325E	0.4	3.05	<5	25	0.8	8	0.05	1	7	15	9	4.33	1	0.02	<10	0.34	361	<2	0.01	4	0.060	17	0.05	<5	3	4	<5	0.15	<10	<10	97	<10	30	4
4200N 3350E	<0.2	1.64	<5	14	<0.5	5	0.11	<1	6	10	7	2.91	1	0.02	<10	0.50	366	<2	0.01	4	0.042	8	0.02	<5	3	5	<5	0.09	<10	<10	57	<10	40	3
4200N 3375E	<0.2	2.05	<5	21	0.5	8	0.14	<1	12	10	17	4.65	1	0.03	<10	1.08	676	2	0.01	5	0.037	8	0.02	<5	6	5	<5	0.12	<10	<10	74	<10	75	3
4200N 3400E	<0.2	2.01	<5	26	<0.5	5	0.09	<1	5	10	3	2.46	<1	0.03	<10	0.45	263	9	0.01	4	0.058	12	0.05	<5	2	6	<5	0.07	<10	<10	44	<10	37	1
4200N 3425E	<0.2	1.39	<5	48	0.5	6	0.20	<1	8	11	19	2.94	<1	0.04	<10	0.59	556	<2	0.01	6	0.066	8	0.02	<5	4	9	<5	0.08	<10	<10	60	<10	53	1
4200N 3450E	<0.2	2.33	<5	82	0.6	<5	0.12	<1	7	15	16	2.07	<1	0.05	12	0.72	412	2	0.01	7	0.039	15	0.04	<5	5	9	<5	0.08	<10	<10	116	<10	55	1
4200N 3475E-A	<0.2	2.62	<5	19	0.6	9	0.05	1	4	12	5	4.78	1	0.02	<10	0.35	278	<2	0.01	3	0.033	13	0.03	<5	3	4	<5	0.15	<10	<10	81	<10	27	3
4200N 3475E-B	<0.2	2.48	<5	19	0.5	8	0.07	<1	5	13	8	4.20	1	0.02	<10	0.40	296	<2	0.01	4	0.027	11	0.02	<5	4	5	<5	0.13	<10	<10	67	<10	30	3
4200N 3500E	<0.2	1.36	<5	43	<0.5	<5	0.21	<1	7	9	13	1.81	<1	0.03	<10	0.67	412	<2	0.01	6	0.045	8	0.02	<5	4	9	<5	0.09	<10	<10	54	<10	50	1
4200N 3525E	0.4	1.76	<5	28	<0.5	5	0.08	<1	5	20	4	2.29	<1	0.05	<10	0.33	274	7	0.02	4	0.086	13	0.09	<5	1	7	<5	0.04	<10	<10	54	<10	26	1
4200N 3550E	<0.2	0.75	<5	20	<0.5	<5	0.04	<1	<1	2	1	0.57	<1	0.01	<10	0.04	35	<2	0.01	1	0.022	12	0.02	<5	1	3	<5	0.05	<10	<10	24	<10	9	<1
4200N 3575E-A	<0.2	2.83	<5	22	0.5	9	0.04	1	3	14	3	4.52	1	0.02	<10	0.22	125	2	0.01	2	0.043	16	0.03	<5	4	3	<5	0.14	<10	<10	90	<10	16	3
4200N 3575E-B	<0.2	3.69	5	24	0.5	9	0.05	1	4	15	6	4.39	1	0.02	<10	0.29	173	<2	0.01	3	0.053	20	0.03	<5	4	4	<5	0.12	<10	<10	74	<10	23	3
4200N 3600E	0.2	1.21	<5	36	<0.5	<5	0.07	<1	1	10	10	0.57	<1	0.02	<10	0.08	61	<2	0.01	3	0.102	17	0.09	<5	<1	5	<5	0.04	<10	<10	17	<10	13	1
4200N 3625E	<0.2	5.62	<5	18	0.5	8	0.04	1	4	19	7	4.11	1	0.02	<10	0.27	173	<2	0.01	3	0.071	30	0.04	<5	5	3	<5	0.09	<10	<10	60	<10	25	12
4200N 3650E	<0.2	1.34	<5	34	<0.5	<5	0.15	<1	6	9	10	2.20	<1	0.04	<10	0.56	330	<2	0.01	5	0.049	8	0.02	<5	3	6	<5	0.07	<10	<10	52	<10	40	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4200N 3675E	0.2	3.46	<5	38	0.5	6	0.10	1	6	13	11	3.25	1	0.03	<10	0.40	274	<2	0.01	5	0.071	17	0.04	<5	3	6	<5	0.07	<10	<10	49	<10	37	2
4200N 3700E	<0.2	1.77	<5	14	<0.5	5	0.10	<1	6	10	5	2.76	<1	0.02	<10	0.54	357	<2	0.01	4	0.052	8	0.03	<5	2	4	<5	0.09	<10	<10	52	<10	38	3
4200N 3725E	<0.2	2.30	<5	24	<0.5	8	0.06	<1	4	13	9	4.16	1	0.02	<10	0.35	252	<2	0.01	4	0.059	11	0.05	<5	2	4	<5	0.10	<10	<10	69	<10	26	2
4200N 3750E	<0.2	2.17	<5	18	0.5	7	0.08	<1	5	14	6	3.97	<1	0.02	<10	0.36	273	<2	0.01	4	0.042	10	0.03	<5	2	4	<5	0.12	<10	<10	71	<10	29	5
4200N 3775E	<0.2	2.69	<5	27	<0.5	9	0.04	1	3	10	4	4.68	<1	0.02	<10	0.17	123	<2	0.01	2	0.068	13	0.05	<5	1	4	<5	0.09	<10	<10	83	<10	16	2
4200N 3800E-A	<0.2	4.40	7	31	1.2	<5	0.11	1	5	19	65	1.33	<1	0.04	42	0.38	241	<2	0.02	5	0.173	31	0.16	<5	4	5	<5	0.04	11	<10	24	<10	36	8
4200N 3800E-B	0.2	2.57	<5	28	0.5	8	0.04	1	4	11	5	4.22	<1	0.03	<10	0.25	179	<2	0.01	3	0.065	15	0.05	<5	2	4	<5	0.15	<10	<10	87	<10	21	2
4200N 3825E	<0.2	1.61	<5	36	<0.5	6	0.19	<1	9	11	15	3.20	<1	0.05	<10	0.75	591	<2	0.01	6	0.069	8	0.02	<5	4	7	<5	0.09	<10	<10	59	<10	56	2
4200N 3850E-A	<0.2	1.42	<5	22	<0.5	<5	0.04	<1	2	7	3	1.95	<1	0.02	<10	0.21	107	<2	0.01	4	0.047	11	0.04	<5	1	3	<5	0.09	<10	<10	50	<10	12	1
4200N 3850E-B	<0.2	1.97	<5	23	0.5	8	0.08	<1	8	15	4	4.43	<1	0.04	<10	0.72	539	<2	0.01	6	0.030	12	0.02	<5	4	5	<5	0.17	<10	<10	100	<10	67	2
4150N 2350E	<0.2	2.38	<5	21	<0.5	5	0.07	<1	5	10	8	2.70	<1	0.02	<10	0.44	315	<2	0.01	4	0.077	15	0.06	<5	1	5	<5	0.07	<10	<10	48	<10	33	3
4150N 2375E	<0.2	2.73	<5	42	0.5	5	0.13	1	5	16	10	2.43	<1	0.04	16	0.38	299	<2	0.01	5	0.126	18	0.08	<5	2	7	<5	0.05	<10	<10	46	<10	40	3
4150N 2400E	<0.2	0.83	<5	30	<0.5	<5	0.06	<1	2	5	1	1.35	<1	0.02	<10	0.11	84	<2	0.01	1	0.028	8	0.02	<5	1	5	<5	0.09	<10	<10	39	<10	12	1
4150N 2425E	<0.2	1.27	<5	38	<0.5	<5	0.04	<1	1	5	2	2.21	<1	0.02	<10	0.06	48	<2	0.01	1	0.052	10	0.02	<5	1	4	<5	0.06	<10	<10	53	<10	7	1
4150N 2450E	<0.2	1.31	<5	15	<0.5	5	0.08	<1	5	14	4	2.30	<1	0.04	<10	0.37	320	2	0.01	4	0.066	10	0.05	<5	1	4	<5	0.06	<10	<10	47	<10	26	2
4150N 2475E	<0.2	2.05	<5	20	<0.5	5	0.08	<1	5	11	9	2.84	<1	0.02	<10	0.45	291	<2	0.01	5	0.049	11	0.02	<5	3	5	<5	0.09	<10	<10	54	<10	36	2
4150N 2500E	<0.2	3.10	<5	17	<0.5	8	0.07	1	7	16	14	3.64	1	0.03	<10	0.58	335	<2	0.01	5	0.065	15	0.05	<5	3	4	<5	0.10	<10	<10	68	<10	36	3
Duplicates:																																		
4350N 3625E	0.3	2.06	<5	25	<0.5	<5	0.07	<1	6	11	9	2.31	<1	0.03	<10	0.49	314	<2	0.01	5	0.043	12	0.03	<5	2	5	<5	0.05	<10	<10	42	<10	43	1
4350N 3850E	<0.2	1.66	<5	22	<0.5	6	0.04	<1	4	10	4	2.84	<1	0.03	<10	0.24	275	<2	0.02	2	0.041	11	0.03	<5	1	4	<5	0.07	<10	<10	67	<10	19	1
4300N 2550E-A	<0.2	1.78	<5	18	<0.5	5	0.04	<1	6	10	5	2.66	1	0.02	<10	0.46	273	<2	0.01	4	0.018	13	0.02	<5	2	4	<5	0.08	<10	<10	51	<10	37	2
4300N 2600E	<0.2	1.75	<5	37	0.5	10	0.09	<1	5	10	3	5.62	<1	0.03	<10	0.26	236	<2	0.01	2	0.052	9	0.03	<5	2	6	<5	0.10	<10	<10	95	<10	35	2
4300N 2800E	<0.2	3.35	<5	24	0.5	9	0.03	<1	6	15	6	5.08	1	0.02	<10	0.33	460	<2	0.01	3	0.069	19	0.04	<5	4	3	<5	0.10	<10	<10	84	<10	35	4
4300N 3000E-B	<0.2	1.55	<5	22	<0.5	<5	0.04	<1	6	11	12	2.54	<1	0.02	<10	0.34	721	<2	0.01	4	0.054	9	0.02	<5	2	4	<5	0.06	<10	<10	53	<10	38	1
4300N 3050E	<0.2	1.36	<5	52	0.5	6	0.24	<1	10	13	18	3.18	<1	0.05	<10	0.62	883	<2	0.02	7	0.063	8	0.02	<5	4	16	<5	0.06	<10	<10	63	<10	67	1
4300N 3250E	<0.2	1.73	<5	27	<0.5	7	0.14	<1	8	10	19	3.81	<1	0.04	<10	0.68	569	2	0.01	4	0.079	10	0.04	<5	2	5	<5	0.06	<10	<10	70	<10	57	2
4300N 3450E	<0.2	1.46	<5	32	<0.5	7	0.12	<1	6	16	5	3.52	<1	0.05	<10	0.52	624	<2	0.02	4	0.055	10	0.03	<5	2	6	<5	0.07	<10	<10	74	<10	42	1
4300N 3525E	<0.2	1.41	<5	25	<0.5	5	0.09	<1	6	9	9	2.46	<1	0.03	<10	0.57	359	<2	0.01	5	0.034	8	0.01	<5	3	4	<5	0.08	<10	<10	48	<10	40	1
4300N 3750E	<0.2	1.34	<5	33	<0.5	<5	0.15	<1	7	10	14	2.22	<1	0.03	<10	0.69	404	<2	0.01	5	0.051	7	0.01	<5	3	5	<5	0.06	<10	<10	49	<10	49	1
4250N 2450E-B	<0.2	0.54	<5	15	<0.5	<5	0.02	<1	1	2	<1	0.91	<1	0.01	<10	0.02	25	<2	0.01	<1	0.016	5	0.01	<5	1	2	<5	0.06	<10	<10	44	<10	2	<1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1638SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4250N 2500E	<0.2	1.26	<5	22	0.5	11	0.04	<1	4	8	1	5.55	<1	0.02	<10	0.24	176	<2	0.01	1	0.061	7	0.02	<5	2	4	<5	0.12	<10	<10	115	<10	20	2
4250N 2700E	<0.2	2.50	<5	34	0.6	7	0.04	<1	6	11	9	3.01	<1	0.02	<10	0.35	252	<2	0.01	4	0.031	15	0.02	<5	5	4	<5	0.08	<10	<10	68	<10	34	3
4250N 2925E	<0.2	1.88	<5	29	0.5	7	0.05	<1	5	9	4	3.65	<1	0.02	<10	0.33	270	<2	0.01	3	0.033	11	0.02	<5	2	5	<5	0.08	<10	<10	67	<10	34	1
4250N 3000E	<0.2	1.79	<5	75	0.6	5	0.18	<1	11	12	25	3.05	1	0.06	<10	0.60	764	<2	0.01	10	0.050	10	0.01	<5	5	12	<5	0.06	<10	<10	60	<10	78	1
4250N 3200E-A	<0.2	1.22	<5	36	<0.5	<5	0.21	<1	7	17	11	2.37	<1	0.05	<10	0.59	346	<2	0.02	5	0.066	8	0.05	<5	2	9	<5	0.05	<10	<10	50	<10	48	1
4250N 3400E	<0.2	1.45	<5	36	<0.5	5	0.11	<1	9	8	9	3.11	<1	0.03	<10	0.59	753	<2	0.01	4	0.049	8	0.02	<5	1	6	<5	0.04	<10	<10	63	<10	48	1
4250N 3475E	<0.2	2.48	<5	19	<0.5	7	0.04	<1	7	13	8	3.97	<1	0.02	<10	0.35	440	<2	0.01	3	0.052	12	0.03	<5	2	3	<5	0.07	<10	<10	65	<10	33	2
4250N 3650E	<0.2	1.11	<5	29	0.5	5	0.21	<1	10	10	14	2.98	1	0.04	<10	0.68	750	<2	0.01	5	0.045	4	0.02	<5	3	8	<5	0.07	<10	<10	57	<10	52	2
4200N 2350E	<0.2	1.87	<5	20	0.5	5	0.07	<1	6	10	10	2.72	<1	0.02	<10	0.41	287	<2	0.01	4	0.037	10	0.04	<5	2	5	<5	0.07	<10	<10	48	<10	37	2
4200N 2425E	<0.2	1.22	<5	15	<0.5	5	0.14	<1	6	11	10	2.73	1	0.02	<10	0.42	346	<2	0.01	5	0.050	7	0.01	<5	2	6	<5	0.06	<10	<10	53	<10	36	1
4200N 2600E	<0.2	2.30	<5	26	0.5	6	0.11	<1	10	17	10	2.92	1	0.05	<10	0.80	496	<2	0.01	9	0.085	15	0.04	<5	2	6	<5	0.06	<10	<10	64	<10	58	2
4200N 2825E	<0.2	2.45	<5	22	<0.5	<5	0.04	<1	5	11	7	2.09	<1	0.02	14	0.31	312	<2	0.01	4	0.068	15	0.05	<5	1	4	<5	0.04	<10	<10	42	<10	35	2
4200N 2900E	<0.2	1.58	<5	41	<0.5	5	0.10	<1	7	11	13	2.78	1	0.05	<10	0.58	336	2	0.01	6	0.056	10	0.04	<5	1	8	<5	0.05	<10	<10	56	<10	52	1
4200N 3075E-B	0.8	2.95	<5	20	0.6	8	0.06	1	6	15	15	3.57	1	0.03	<10	0.33	416	<2	0.01	4	0.084	17	0.04	<5	3	4	<5	0.09	<10	<10	75	<10	25	2
4200N 3275E	<0.2	1.87	<5	27	0.5	6	0.14	<1	8	12	15	3.10	1	0.04	<10	0.61	415	3	0.01	5	0.067	10	0.04	<5	2	6	<5	0.07	<10	<10	67	<10	56	2
4200N 3350E	<0.2	1.82	<5	16	<0.5	6	0.15	<1	7	12	8	3.50	<1	0.02	<10	0.53	409	<2	0.01	5	0.047	8	0.02	<5	4	6	<5	0.10	<10	<10	66	<10	44	3
4200N 3550E	<0.2	0.85	<5	22	<0.5	<5	0.05	<1	1	3	1	0.64	<1	0.01	<10	0.06	37	<2	0.01	1	0.024	13	0.02	<5	1	4	<5	0.06	<10	<10	29	<10	9	<1
4200N 3775E	<0.2	2.67	<5	27	<0.5	10	0.05	1	3	11	4	4.73	1	0.02	<10	0.17	126	<2	0.01	2	0.070	14	0.05	<5	1	4	<5	0.10	<10	<10	85	<10	17	2
4200N 3825E	<0.2	1.63	<5	36	<0.5	6	0.19	<1	10	11	15	3.24	<1	0.05	<10	0.74	603	<2	0.01	6	0.070	8	0.02	<5	4	7	<5	0.09	<10	<10	60	<10	57	2
4150N 2500E	<0.2	2.89	<5	17	<0.5	7	0.05	1	7	15	14	3.47	<1	0.02	<10	0.59	331	<2	0.01	5	0.062	15	0.05	<5	3	3	<5	0.08	<10	<10	65	<10	36	4
Standards:																																		
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	<1	<0.01	<10	<0.01	<5	<2	<0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	1	<1
CH-4	2.1	1.72	<5	260	0.6	9	0.57	1	24	104	1986	4.38	1	1.36	13	1.18	311	2	0.04	46	0.061	12	0.57	<5	6	7	<5	0.16	<10	<10	73	<10	202	8

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG1

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4150N 2525E	2
4150N 2550E	2
4150N 2575E	<2
4150N 2600E	4
4150N 2625E	8
4150N 2650E	2
4150N 2675E-A	3
4150N 2675E-B	<2
4150N 2700E-A	3
4150N 2700E-B	<2
4150N 2725E-A	2
4150N 2725E-B	<2
4150N 2750E	2
4150N 2775E	3
4150N 2800E	2
4150N 2825E	9
4150N 2850E	4
4150N 2875E	4
4150N 2900E	3
4150N 2925E	<2
4150N 2950E	4
4150N 2975E	<2
*SG 40	959
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Vancouver, British Columbia
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F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG2

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4150N 3000E	7
4150N 3025E	<2
4150N 3050E	2
4150N 3075E	5
4150N 3100E-A	<2
4150N 3100E-B	5
4150N 3125E-A	4
4150N 3125E-B	3
4150N 3150E	4
4150N 3175E-A	8
4150N 3175E-B	<2
4150N 3200E	4
4150N 3225E	3
4150N 3250E	2
4150N 3275E	5
4150N 3300E	3
4150N 3325E	4
4150N 3350E	2
4150N 3375E	3
4150N 3400E	2
4150N 3425E	<2
4150N 3450E	9
*SG 40	975
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG3

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4150N 3475E	3
4150N 3500E-A	2
4150N 3500E-B	4
4150N 3525E-A	4
4150N 3525E-B	4
4150N 3550E-A	4
4150N 3550E-B	3
4150N 3575E	4
4150N 3600E	4
4150N 3625E	5
4150N 3650E	8
4150N 3675E	3
4150N 3700E	7
4150N 3725E	4
4150N 3750E	7
4150N 3775E	6
4150N 3800E	3
4150N 3825E	6
4150N 3850E	6
4100N 2350E	10
4100N 2375E-A	8
4100N 2375E-B	8
*SG 40	984
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG4

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4100N 2400E	<2
4100N 2425E	2
4100N 2450E	3
4100N 2475E	4
4100N 2500E	<2
4100N 2525E-A	4
4100N 2525E-B	2
4100N 2550E	3
4100N 2575E	<2
4100N 2600E	3
4100N 2625E-A	<2
4100N 2625E-B	2
4100N 2650E	<2
4100N 2675E	4
4100N 2700E-A	2
4100N 2700E-B	<2
4100N 2725E	7
4100N 2750E	2
4100N 2775E	8
4100N 2800E	3
4100N 2825E	2
4100N 2850E	2
*SG 40	979
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG5

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 23 soil samples submitted Sep-22-10

Sample Name	Au ppb
4100N 2875E	3
4100N 2900E	<2
4100N 2925E	9
4100N 2950E	2
4100N 2975E	2
4100N 3000E-A	5
4100N 3000E-B	2
4100N 3025E-A	2
4100N 3025E-B	2
4100N 3050E	4
4100N 3075E	2
4100N 3100E	3
4100N 3125E	3
4100N 3150E	2
4100N 3175E	5
4100N 3200E	3
4100N 3225E	3
4100N 3250E	<2
4100N 3275E	2
4100N 3300E	3
4100N 3325E	3
4100N 3350E-A	6
4100N 3350E-B	<2
*SG 40	953
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
8282 Sherbrooke Street
Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG6

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4100N 3375E-A	2
4100N 3375E-B	18
4100N 3400E-A	2
4100N 3400E-B	3
4100N 3425E	2
4100N 3450E	2
4100N 3475E	<2
4100N 3500E	<2
4100N 3525E	<2
4100N 3550E	2
4100N 3575E	<2
4100N 3600E	2
4100N 3625E	<2
4100N 3650E	<2
4100N 3675E-A	3
4100N 3675E-B	<2
4100N 3700E-A	<2
4100N 3700E-B	<2
4100N 3725E	2
4100N 3750E	2
4100N 3775E-A	<2
4100N 3775E-B	2
*SG 40	923
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG7

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4100N 3800E	2
4100N 3825E	8
4100N 3850E	5
4050N 2350E	2
4050N 2375E	3
4050N 2400E	2
4050N 2425E	<2
4050N 2450E	2
4050N 2475E	3
4050N 2500E	2
4050N 2525E	3
4050N 2550E	5
4050N 2575E	<2
4050N 2600E	<2
4050N 2625E	3
4050N 2650E-A	<2
4050N 2650E-B	2
4050N 2675E-A	<2
4050N 2675E-B	2
4050N 2700E	<2
4050N 2725E	2
4050N 2750E-A	2
*SG 40	940
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG8

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4050N 2750E-B	<2
4050N 2775E	2
4050N 2800E	<2
4050N 2825E	2
4050N 2850E	3
4050N 2875E-A	6
4050N 2875E-B	6
4050N 2900E	8
4050N 2925E	6
4050N 2950E	3
4050N 2975E	5
4050N 3000E	3
4050N 3025E	6
4050N 3050E	4
4050N 3075E	5
4050N 3100E	4
4050N 3125E-A	6
4050N 3125E-B	9
4050N 3150E-A	5
4050N 3150E-B	3
4050N 3175E-A	5
4050N 3175E-B	2
*SG 40	970
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____ 



SGS Canada Inc.
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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG9

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 22 soil samples submitted Sep-22-10

Sample Name	Au ppb
4050N 3200E	3
4050N 3225E	2
4050N 3250E	<2
4050N 3275E	3
4050N 3300E	3
4050N 3325E	3
4050N 3350E	<2
4050N 3375E	3
4050N 3400E	14
4050N 3425E	2
4050N 3450E	<2
4050N 3475E	<2
4050N 3500E-A	<2
4050N 3500E-B	<2
4050N 3525E-A	3
4050N 3525E-B	<2
4050N 3550E-A	<2
4050N 3550E-B	<2
4050N 3575E	<2
4050N 3600E	<2
4050N 3625E	<2
4050N 3650E	2
*SG 40	924
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG10

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We *hereby certify* the following geochemical analysis of 2 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4050N 3675E	3
4050N 3700E	2
4050N 3725E	2
4050N 3750E	4
4050N 3775E	<2
4050N 3800E	<2
4050N 3825E	3
4050N 3850E	2
4000N 2350E	<2
4000N 2375E	3
4000N 2400E	2
4000N 2425E	2
4000N 2450E-A	2
4000N 2450E-B	2
4000N 2475E	2
4000N 2500E-A	3
4000N 2500E-B	2
4000N 2525E-A	2
4000N 2525E-B	3
4000N 2550E	2
4000N 2575E	2
4000N 2600E	2
*SG 40	993
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.
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Vancouver, British Columbia
V5X 4R6
T: (604) 327-3436
F: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

0V-1639-SG11

Company: **St. Elias Mines**
Project: **SOIL**
Attn: **James Thom**

Oct-26-10

We hereby certify the following geochemical analysis of 16 soil samples
submitted Sep-22-10

Sample Name	Au ppb
4000N 2625E	5
4000N 2650E	<2
4000N 2675E	2
4000N 2700E	9
4000N 2725E	4
4000N 2750E	4
4000N 2775E-A	4
4000N 2775E-B	7
4000N 2800E	9
4000N 2825E-A	8
4000N 2825E-B	7
4000N 2850E	4
4000N 2875E-A	3
4000N 2875E-B	5
4000N 2900E	6
4000N 2925E	3
*SG 40	995
*BLANK	<2

Au 15g FA AA Finish.

Certified by _____



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4150N 2525E	<0.2	0.98	<5	23	<0.5	<5	0.05	<1	4	6	3	1.88	1	0.03	<10	0.19	251	<2	0.01	3	0.068	9	0.03	<5	1	3	<5	0.07	<10	<10	49	<10	22	1
4150N 2550E	<0.2	1.53	<5	28	0.5	<5	0.09	1	5	10	9	2.29	<1	0.02	12	0.44	265	<2	0.01	4	0.032	13	0.02	<5	3	6	<5	0.07	<10	<10	44	<10	36	1
4150N 2575E	0.4	2.66	<5	20	<0.5	<5	0.12	1	3	18	36	0.76	<1	0.03	14	0.22	74	<2	0.01	5	0.262	24	0.20	<5	<1	5	<5	0.02	<10	<10	21	<10	22	1
4150N 2600E	<0.2	2.48	6	33	0.7	7	0.07	1	7	25	160	3.50	<1	0.03	23	0.49	481	<2	0.01	7	0.117	24	0.09	<5	4	4	<5	0.11	<10	<10	83	<10	36	6
4150N 2625E	<0.2	1.88	<5	39	<0.5	7	0.07	1	4	13	4	3.40	1	0.04	<10	0.25	285	<2	0.01	3	0.069	11	0.04	<5	2	4	<5	0.06	<10	<10	73	<10	21	2
4150N 2650E	<0.2	2.03	<5	23	<0.5	5	0.04	1	4	12	14	1.97	<1	0.02	<10	0.21	239	<2	0.01	3	0.099	14	0.07	<5	1	3	<5	0.03	<10	<10	40	<10	23	2
4150N 2675E-A	<0.2	1.77	<5	34	<0.5	5	0.11	1	6	10	13	2.53	<1	0.03	11	0.52	334	<2	0.01	5	0.045	11	0.02	<5	3	6	<5	0.06	<10	<10	46	<10	40	3
4150N 2675E-B	<0.2	1.74	<5	35	<0.5	5	0.11	1	7	10	13	2.58	<1	0.03	<10	0.55	356	<2	0.01	5	0.049	10	0.02	<5	3	7	<5	0.06	<10	<10	47	<10	43	2
4150N 2700E-A	<0.2	3.31	<5	22	<0.5	9	0.05	1	5	16	6	4.18	1	0.02	<10	0.34	286	<2	0.01	3	0.059	18	0.03	<5	3	3	<5	0.08	<10	<10	63	<10	33	4
4150N 2700E-B	<0.2	2.76	<5	22	<0.5	11	0.04	1	5	15	4	5.06	1	0.02	<10	0.30	286	<2	0.01	3	0.073	16	0.03	<5	3	3	<5	0.09	<10	<10	75	<10	28	3
4150N 2725E-A	<0.2	0.91	<5	29	<0.5	<5	0.03	<1	2	3	2	0.90	<1	0.04	<10	0.02	15	<2	0.01	2	0.225	7	0.17	<5	<1	1	<5	0.01	<10	<10	5	<10	3	<1
4150N 2725E-B	<0.2	1.32	<5	23	<0.5	<5	0.02	1	1	4	3	0.52	<1	0.03	<10	0.01	10	<2	0.01	2	0.213	9	0.16	<5	<1	1	<5	0.01	<10	<10	5	<10	6	1
4150N 2750E	<0.2	2.75	<5	40	1.2	<5	0.10	1	5	10	63	1.34	<1	0.04	51	0.23	173	2	0.01	5	0.206	19	0.16	<5	<1	6	<5	0.01	13	<10	23	<10	25	1
4150N 2775E	<0.2	1.92	<5	42	<0.5	7	0.13	1	9	11	17	3.12	<1	0.05	<10	0.60	477	<2	0.01	7	0.065	13	0.03	<5	3	8	<5	0.06	<10	<10	55	<10	58	1
4150N 2800E	<0.2	1.56	<5	53	<0.5	6	0.19	1	8	12	17	3.25	<1	0.05	<10	0.56	417	<2	0.01	6	0.047	11	0.02	<5	5	13	<5	0.07	<10	<10	61	<10	54	1
4150N 2825E	<0.2	1.48	<5	61	<0.5	5	0.16	1	7	11	15	2.62	<1	0.04	<10	0.46	475	<2	0.01	5	0.047	11	0.02	<5	2	11	<5	0.04	<10	<10	53	<10	48	1
4150N 2850E	<0.2	1.27	<5	51	<0.5	6	0.25	1	9	11	19	3.08	<1	0.04	<10	0.55	645	<2	0.02	6	0.061	8	0.02	<5	4	14	<5	0.07	<10	<10	57	<10	53	1
4150N 2875E	<0.2	0.33	<5	<10	<0.5	<5	0.05	<1	1	1	1	0.50	<1	0.02	<10	0.02	30	<2	0.01	<1	0.025	6	0.02	<5	<1	3	<5	0.04	<10	<10	23	<10	4	<1
4150N 2900E	<0.2	1.42	<5	69	0.5	6	0.36	1	9	12	23	3.09	<1	0.06	<10	0.60	742	<2	0.02	8	0.067	9	0.02	<5	4	20	<5	0.07	<10	<10	59	<10	67	1
4150N 2925E	<0.2	1.62	<5	17	<0.5	5	0.06	1	5	10	6	2.38	<1	0.02	<10	0.36	254	<2	0.01	3	0.029	12	0.02	<5	2	4	<5	0.08	<10	<10	45	<10	31	1
4150N 2950E	<0.2	2.42	<5	19	<0.5	6	0.06	1	4	11	6	2.78	<1	0.02	<10	0.29	232	<2	0.01	3	0.058	14	0.04	<5	1	3	<5	0.06	<10	<10	49	<10	27	1
4150N 2975E	<0.2	1.27	<5	16	<0.5	<5	0.07	<1	6	8	4	2.05	<1	0.02	<10	0.48	307	<2	0.01	4	0.027	7	0.03	<5	2	4	<5	0.06	<10	<10	37	<10	37	1
4150N 3000E	<0.2	1.31	<5	14	<0.5	<5	0.04	<1	5	8	4	2.17	1	0.02	<10	0.35	300	<2	0.01	3	0.032	9	0.02	<5	1	3	<5	0.07	<10	<10	43	<10	26	2
4150N 3025E	<0.2	1.61	<5	27	<0.5	8	0.05	<1	4	9	5	4.29	1	0.02	<10	0.28	179	<2	0.01	3	0.060	10	0.05	<5	1	4	<5	0.08	<10	<10	109	<10	23	2
4150N 3050E	<0.2	2.05	<5	39	<0.5	5	0.07	<1	7	13	18	2.74	1	0.04	<10	0.49	313	<2	0.01	5	0.048	13	0.03	<5	3	5	<5	0.07	<10	<10	55	<10	47	2
4150N 3075E	<0.2	1.62	5	51	<0.5	5	0.16	<1	8	12	20	2.92	<1	0.05	<10	0.56	422	<2	0.01	7	0.088	14	0.02	<5	4	9	<5	0.07	<10	<10	55	<10	52	1
4150N 3100E-A	<0.2	2.23	<5	20	<0.5	7	0.06	<1	6	11	11	3.43	<1	0.03	<10	0.48	348	<2	0.01	4	0.032	12	0.02	<5	3	4	<5	0.10	<10	<10	60	<10	33	3
4150N 3100E-B	<0.2	2.34	<5	21	<0.5	7	0.05	<1	6	10	10	3.36	<1	0.03	<10	0.47	308	<2	0.01	4	0.035	12	0.03	<5	3	3	<5	0.09	<10	<10	54	<10	33	2
4150N 3125E-A	0.6	1.18	<5	28	<0.5	<5	0.07	<1	2	9	7	1.33	<1	0.03	<10	0.10	76	<2	0.01	2	0.080	9	0.07	<5	<1	6	<5	0.02	<10	<10	33	<10	11	1
4150N 3125E-B	0.5	1.52	<5	34	<0.5	5	0.08	<1	4	9	48	2.78	<1	0.03	<10	0.12	244	<2	0.01	3	0.040	14	0.03	<5	1	6	<5	0.07	<10	<10	63	<10	15	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4150N 3150E	<0.2	1.69	<5	17	<0.5	6	0.06	<1	5	11	9	3.00	<1	0.03	<10	0.35	227	<2	0.01	3	0.048	11	0.03	<5	2	4	<5	0.09	<10	<10	58	<10	27	3
4150N 3175E-A	<0.2	2.49	<5	82	<0.5	5	0.08	<1	10	13	12	2.35	<1	0.06	<10	0.75	401	<2	0.01	8	0.059	17	0.04	<5	3	6	<5	0.04	<10	<10	46	<10	63	2
4150N 3175E-B	<0.2	2.39	<5	76	<0.5	5	0.11	<1	10	13	11	2.47	<1	0.06	<10	0.80	414	<2	0.01	8	0.053	16	0.03	<5	4	7	<5	0.05	<10	<10	50	<10	66	2
4150N 3200E	<0.2	1.31	<5	21	<0.5	<5	0.05	<1	3	6	1	1.43	<1	0.01	<10	0.19	97	<2	0.01	2	0.023	11	0.02	<5	1	4	<5	0.04	<10	<10	31	<10	13	1
4150N 3225E	<0.2	1.94	<5	36	<0.5	6	0.12	<1	7	11	18	3.42	<1	0.04	<10	0.48	463	<2	0.01	5	0.082	11	0.03	<5	2	8	<5	0.05	<10	<10	62	<10	46	1
4150N 3250E	<0.2	1.81	<5	40	<0.5	7	0.14	<1	10	11	14	3.48	<1	0.04	<10	0.77	528	<2	0.01	6	0.045	10	0.02	<5	2	6	<5	0.07	<10	<10	66	<10	65	2
4150N 3275E	<0.2	1.54	<5	42	<0.5	6	0.16	<1	8	9	16	3.02	<1	0.05	<10	0.60	461	<2	0.01	5	0.063	10	0.03	<5	2	8	<5	0.07	<10	<10	60	<10	49	1
4150N 3300E	<0.2	1.22	<5	23	<0.5	6	0.23	<1	9	9	12	3.16	<1	0.06	<10	0.79	594	<2	0.01	5	0.074	7	0.03	<5	3	8	<5	0.08	<10	<10	56	<10	60	2
4150N 3325E	0.2	2.00	<5	27	<0.5	5	0.10	<1	6	11	9	2.65	<1	0.03	<10	0.48	332	<2	0.01	4	0.076	12	0.05	<5	2	6	<5	0.08	<10	<10	53	<10	38	2
4150N 3350E	<0.2	2.56	<5	22	<0.5	8	0.05	<1	6	12	8	4.14	<1	0.02	<10	0.40	430	<2	0.01	4	0.069	14	0.05	<5	2	4	<5	0.11	<10	<10	71	<10	30	3
4150N 3375E	<0.2	2.12	<5	24	<0.5	10	0.04	<1	5	10	5	5.39	<1	0.02	<10	0.35	287	<2	0.01	3	0.060	10	0.05	<5	1	3	<5	0.09	<10	<10	77	<10	24	3
4150N 3400E	<0.2	3.05	<5	17	<0.5	9	0.06	<1	7	14	13	4.34	1	0.02	<10	0.49	548	<2	0.01	4	0.081	16	0.03	<5	4	3	<5	0.09	<10	<10	72	<10	38	3
4150N 3425E	<0.2	1.76	<5	24	<0.5	7	0.08	<1	8	11	11	3.66	<1	0.03	<10	0.44	449	<2	0.01	4	0.045	10	0.02	<5	2	5	<5	0.09	<10	<10	64	<10	34	2
4150N 3450E	<0.2	1.18	<5	23	<0.5	5	0.28	<1	9	9	13	2.99	<1	0.04	<10	0.75	542	<2	0.01	5	0.068	6	0.02	<5	3	8	<5	0.09	<10	<10	64	<10	53	2
4150N 3475E	0.6	2.57	<5	26	0.7	7	0.08	<1	6	14	12	3.60	<1	0.03	<10	0.32	487	2	0.01	3	0.063	14	0.03	<5	4	6	<5	0.16	<10	<10	62	<10	30	3
4150N 3500E-A	<0.2	1.11	<5	15	<0.5	7	0.03	<1	5	10	4	3.66	<1	0.02	<10	0.34	253	<2	0.01	3	0.062	7	0.03	<5	1	3	<5	0.11	<10	<10	64	<10	26	3
4150N 3500E-B	<0.2	1.36	<5	15	<0.5	7	0.04	<1	5	11	5	3.91	<1	0.02	<10	0.39	281	<2	0.01	4	0.059	8	0.03	<5	1	3	<5	0.12	<10	<10	69	<10	29	3
4150N 3525E-A	<0.2	2.62	<5	20	<0.5	6	0.05	<1	4	12	4	2.81	<1	0.01	<10	0.37	282	<2	0.01	4	0.069	13	0.05	<5	2	3	<5	0.05	<10	<10	49	<10	31	2
4150N 3525E-B	<0.2	2.53	<5	19	<0.5	5	0.06	<1	5	11	5	2.87	<1	0.01	<10	0.41	338	<2	0.01	4	0.059	13	0.03	<5	2	3	<5	0.05	<10	<10	48	<10	33	2
4150N 3550E-A	<0.2	1.28	<5	17	<0.5	<5	0.13	<1	7	8	8	2.23	<1	0.02	<10	0.66	380	<2	0.01	5	0.055	8	0.02	<5	3	4	<5	0.08	<10	<10	43	<10	44	3
4150N 3550E-B	<0.2	1.34	<5	18	<0.5	<5	0.13	<1	7	9	8	2.19	<1	0.03	<10	0.64	374	<2	0.01	5	0.063	9	0.03	<5	3	4	<5	0.08	<10	<10	44	<10	44	4
4150N 3575E	<0.2	1.92	<5	23	0.5	5	0.12	<1	7	15	5	2.48	<1	0.02	<10	0.61	322	<2	0.01	6	0.095	14	0.07	<5	2	5	<5	0.10	<10	<10	56	<10	43	6
4150N 3600E	<0.2	2.07	<5	29	<0.5	<5	0.04	<1	6	13	9	1.98	<1	0.02	<10	0.55	279	<2	0.01	5	0.043	17	0.03	<5	3	3	<5	0.08	<10	<10	41	<10	39	4
4150N 3625E	<0.2	1.96	<5	47	<0.5	5	0.10	<1	7	11	18	2.68	<1	0.04	<10	0.65	374	<2	0.01	6	0.066	12	0.04	<5	3	5	<5	0.06	<10	<10	49	<10	49	2
4150N 3650E	<0.2	0.94	<5	41	<0.5	<5	0.10	<1	4	6	5	1.72	<1	0.05	<10	0.32	224	<2	0.01	3	0.086	8	0.06	<5	<1	5	<5	0.04	<10	<10	39	<10	30	1
4150N 3675E	<0.2	1.15	<5	30	<0.5	5	0.18	<1	8	9	11	2.45	<1	0.03	<10	0.70	416	<2	0.01	5	0.057	6	0.01	<5	3	6	<5	0.06	<10	<10	49	<10	50	2
4150N 3700E	<0.2	1.74	<5	25	<0.5	<5	0.05	<1	6	10	7	1.87	<1	0.02	<10	0.56	319	<2	0.01	5	0.027	12	0.02	<5	2	3	<5	0.07	<10	<10	50	<10	36	2
4150N 3725E	<0.2	1.75	<5	47	<0.5	<5	0.09	<1	6	10	13	2.04	<1	0.04	<10	0.57	329	<2	0.01	5	0.053	12	0.03	<5	2	4	<5	0.05	<10	<10	55	<10	44	1
4150N 3750E	<0.2	1.51	<5	31	<0.5	6	0.10	<1	6	9	10	2.99	<1	0.03	<10	0.53	322	<2	0.01	4	0.047	9	0.02	<5	3	4	<5	0.06	<10	<10	50	<10	37	2
4150N 3775E	<0.2	2.48	5	17	0.6	8	0.05	<1	5	13	10	4.28	<1	0.02	<10	0.36	244	<2	0.01	3	0.064	14	0.04	<5	4	3	<5	0.18	<10	<10	85	<10	24	9

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4150N 3800E	<0.2	1.76	5	17	<0.5	5	0.09	<1	7	11	11	2.87	<1	0.03	<10	0.51	391	<2	0.01	5	0.054	10	0.01	<5	3	4	<5	0.08	<10	<10	53	<10	40	3
4150N 3825E	<0.2	0.87	<5	16	<0.5	<5	0.02	<1	2	5	4	1.83	<1	0.02	<10	0.12	161	<2	0.01	2	0.065	9	0.02	<5	1	3	<5	0.08	<10	<10	36	<10	13	2
4150N 3850E	<0.2	2.03	<5	25	<0.5	<5	0.06	<1	4	10	13	2.30	<1	0.03	<10	0.29	245	<2	0.01	3	0.062	13	0.04	<5	2	3	<5	0.06	<10	<10	40	<10	25	2
4100N 2350E	0.2	1.07	<5	13	<0.5	<5	0.03	<1	2	7	5	0.85	<1	0.02	<10	0.17	87	<2	0.01	2	0.060	9	0.05	<5	<1	2	<5	0.04	<10	<10	30	<10	13	1
4100N 2375E-A	<0.2	0.97	<5	29	<0.5	5	0.04	<1	2	5	2	2.38	<1	0.02	<10	0.15	148	<2	0.01	1	0.090	6	0.02	<5	1	5	<5	0.07	<10	<10	58	<10	18	1
4100N 2375E-B	<0.2	1.06	<5	27	<0.5	5	0.07	<1	5	11	2	2.79	<1	0.03	<10	0.38	375	<2	0.01	3	0.071	6	0.02	<5	2	5	<5	0.09	<10	<10	67	<10	33	2
4100N 2400E	<0.2	2.42	<5	46	<0.5	5	0.10	<1	7	12	24	2.77	<1	0.04	11	0.52	332	<2	0.01	7	0.045	14	0.02	<5	5	8	<5	0.07	<10	<10	54	<10	41	2
4100N 2425E	<0.2	1.87	<5	19	<0.5	<5	0.05	<1	4	9	5	1.61	<1	0.02	<10	0.32	177	<2	0.01	4	0.042	14	0.05	<5	2	5	<5	0.07	<10	<10	35	<10	23	2
4100N 2450E	<0.2	1.70	<5	31	<0.5	<5	0.26	<1	6	8	8	1.92	<1	0.03	<10	0.54	302	<2	0.01	5	0.066	10	0.03	<5	3	12	<5	0.06	<10	<10	41	<10	39	1
4100N 2475E	<0.2	2.30	<5	18	<0.5	6	0.07	<1	5	12	7	3.32	<1	0.02	<10	0.42	282	<2	0.01	4	0.046	14	0.03	<5	2	5	<5	0.09	<10	<10	62	<10	32	2
4100N 2500E	<0.2	2.03	<5	38	<0.5	8	0.05	<1	3	9	<1	4.38	<1	0.02	<10	0.19	128	<2	0.01	2	0.038	13	0.02	<5	3	5	<5	0.14	<10	<10	113	<10	17	2
4100N 2525E-A	<0.2	2.37	<5	22	<0.5	6	0.05	<1	4	10	6	3.16	<1	0.02	<10	0.24	277	<2	0.01	3	0.039	14	0.04	<5	3	5	<5	0.13	<10	<10	66	<10	22	3
4100N 2525E-B	<0.2	2.95	<5	21	0.5	7	0.05	1	6	12	9	3.87	<1	0.02	<10	0.38	418	<2	0.01	3	0.044	16	0.04	<5	3	4	<5	0.14	<10	<10	78	<10	28	3
4100N 2550E	1.1	1.64	<5	19	<0.5	5	0.07	<1	5	14	3	2.76	<1	0.03	<10	0.47	302	<2	0.01	5	0.051	12	0.04	<5	2	5	<5	0.10	<10	<10	62	<10	32	2
4100N 2575E	<0.2	1.80	<5	29	<0.5	<5	0.09	<1	8	17	13	1.68	<1	0.04	<10	0.73	640	<2	0.01	6	0.052	13	0.07	<5	3	5	<5	0.08	<10	<10	51	<10	55	2
4100N 2600E	<0.2	2.05	<5	32	<0.5	<5	0.16	<1	6	11	18	1.90	<1	0.04	<10	0.55	325	<2	0.01	6	0.047	12	0.03	<5	5	9	<5	0.09	<10	<10	44	<10	47	2
4100N 2625E-A	<0.2	2.16	<5	31	<0.5	5	0.09	<1	6	10	15	2.48	<1	0.04	10	0.53	310	<2	0.01	5	0.043	14	0.03	<5	4	7	<5	0.07	<10	<10	50	<10	43	2
4100N 2625E-B	<0.2	3.45	10	53	0.8	9	0.10	1	19	14	31	4.37	<1	0.06	14	0.59	1653	3	0.01	6	0.059	15	0.03	<5	7	8	<5	0.08	<10	<10	74	<10	54	3
4100N 2650E	<0.2	1.16	<5	37	<0.5	5	0.25	<1	9	10	16	2.69	<1	0.05	<10	0.64	642	<2	0.02	6	0.057	6	0.02	<5	4	15	<5	0.08	<10	<10	56	<10	52	2
4100N 2675E	<0.2	1.49	<5	51	0.5	6	0.24	<1	9	12	20	2.81	<1	0.06	<10	0.61	695	<2	0.02	7	0.070	8	0.01	<5	5	13	<5	0.09	<10	<10	58	<10	58	1
4100N 2700E-A	<0.2	1.44	<5	54	0.5	5	0.29	<1	10	11	22	3.01	<1	0.08	<10	0.65	703	<2	0.02	8	0.072	8	0.01	<5	5	14	<5	0.10	<10	<10	58	<10	60	3
4100N 2700E-B	<0.2	1.43	<5	52	0.5	5	0.27	<1	10	11	21	2.98	<1	0.07	<10	0.64	679	<2	0.02	7	0.072	8	0.01	<5	5	13	<5	0.10	<10	<10	58	<10	59	3
4100N 2725E	<0.2	1.31	<5	17	<0.5	<5	0.13	<1	7	9	14	2.38	<1	0.03	<10	0.49	400	<2	0.01	5	0.047	7	0.01	<5	4	7	<5	0.08	<10	<10	50	<10	36	2
4100N 2750E	<0.2	2.32	7	18	<0.5	6	0.10	<1	7	13	11	3.21	<1	0.03	<10	0.43	432	<2	0.01	5	0.058	14	0.02	<5	5	7	<5	0.11	<10	<10	61	<10	37	2
4100N 2775E	<0.2	2.56	6	13	<0.5	5	0.09	<1	6	11	13	2.57	<1	0.02	<10	0.45	319	<2	0.01	4	0.077	14	0.05	<5	2	5	<5	0.08	<10	<10	49	<10	35	2
4100N 2800E	<0.2	1.69	<5	22	<0.5	5	0.14	<1	7	11	15	2.74	<1	0.03	<10	0.48	411	<2	0.01	5	0.069	10	0.02	<5	3	7	<5	0.09	<10	<10	56	<10	40	2
4100N 2825E	<0.2	0.91	<5	29	<0.5	<5	0.23	<1	7	10	15	2.51	<1	0.03	<10	0.48	528	<2	0.01	5	0.064	4	0.01	<5	4	10	<5	0.09	<10	<10	54	<10	45	5
4100N 2850E	<0.2	2.24	<5	25	<0.5	7	0.06	<1	8	13	8	3.43	<1	0.05	<10	0.43	1343	<2	0.01	5	0.097	10	0.07	<5	2	6	<5	0.10	<10	<10	63	<10	39	2
4100N 2875E	<0.2	2.89	5	20	0.5	7	0.07	1	6	14	9	4.04	1	0.02	<10	0.40	462	<2	0.01	4	0.062	15	0.03	<5	6	4	<5	0.15	<10	<10	83	<10	33	6
4100N 2900E	<0.2	1.31	<5	13	<0.5	<5	0.08	<1	4	10	5	2.50	1	0.01	<10	0.36	219	<2	0.01	3	0.027	9	0.01	<5	2	5	<5	0.10	<10	<10	62	<10	27	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4100N 2925E	<0.2	1.85	<5	15	<0.5	<5	0.05	<1	2	10	4	2.44	<1	0.01	<10	0.18	115	<2	0.01	2	0.035	12	0.03	<5	2	4	<5	0.10	<10	<10	56	<10	14	2
4100N 2950E	<0.2	1.64	<5	27	<0.5	<5	0.15	<1	4	11	3	1.49	<1	0.03	<10	0.43	237	<2	0.01	4	0.043	11	0.03	<5	4	9	<5	0.07	<10	<10	35	<10	34	1
4100N 2975E	0.2	1.28	<5	19	<0.5	<5	0.06	<1	2	7	1	1.52	<1	0.03	<10	0.16	128	3	0.01	1	0.039	11	0.03	<5	1	5	<5	0.06	<10	<10	38	<10	14	1
4100N 3000E-A	<0.2	0.89	<5	14	<0.5	<5	0.05	<1	1	4	1	0.61	<1	0.01	<10	0.06	43	<2	0.01	1	0.026	10	0.02	<5	1	5	<5	0.06	<10	<10	24	<10	6	<1
4100N 3000E-B	0.2	1.76	<5	18	<0.5	<5	0.06	<1	1	6	4	1.47	<1	0.02	<10	0.09	56	<2	0.01	1	0.032	14	0.03	<5	3	6	<5	0.07	<10	<10	32	<10	7	1
4100N 3025E-A	<0.2	2.21	<5	23	<0.5	6	0.08	<1	4	13	11	3.16	<1	0.03	<10	0.32	192	<2	0.01	4	0.034	13	0.02	<5	3	7	<5	0.10	<10	<10	65	<10	26	2
4100N 3025E-B	<0.2	2.67	<5	22	0.5	7	0.08	<1	5	17	11	3.97	<1	0.03	<10	0.38	218	<2	0.01	6	0.041	13	0.03	<5	4	6	<5	0.13	<10	<10	79	<10	27	3
4100N 3050E	<0.2	1.31	<5	27	<0.5	<5	0.06	<1	2	6	3	1.17	<1	0.03	<10	0.17	101	<2	0.01	2	0.064	12	0.05	<5	1	6	<5	0.05	<10	<10	38	<10	16	1
4100N 3075E	<0.2	2.38	<5	42	<0.5	6	0.07	<1	5	13	11	2.92	<1	0.05	<10	0.49	278	<2	0.01	5	0.042	16	0.03	<5	3	6	<5	0.07	<10	<10	58	<10	37	2
4100N 3100E	<0.2	1.58	<5	41	<0.5	<5	0.16	<1	6	9	8	2.16	<1	0.04	<10	0.55	307	<2	0.01	5	0.056	10	0.02	<5	3	8	<5	0.07	<10	<10	50	<10	41	1
4100N 3125E	0.2	2.26	<5	28	<0.5	6	0.07	<1	4	12	20	3.12	<1	0.04	<10	0.28	273	<2	0.01	3	0.055	14	0.04	<5	2	7	<5	0.11	<10	<10	65	<10	25	2
4100N 3150E	<0.2	2.51	<5	28	<0.5	7	0.09	<1	5	13	8	3.45	<1	0.04	<10	0.41	340	<2	0.01	4	0.070	16	0.04	<5	2	7	<5	0.09	<10	<10	60	<10	33	2
4100N 3175E	<0.2	2.68	5	75	0.5	5	0.14	<1	8	15	15	2.57	1	0.08	<10	0.71	385	<2	0.01	7	0.074	19	0.03	<5	6	11	<5	0.09	<10	<10	71	<10	59	1
4100N 3200E	<0.2	1.96	<5	52	<0.5	5	0.12	<1	6	12	10	2.88	<1	0.06	<10	0.60	334	<2	0.01	5	0.044	12	0.02	<5	5	9	<5	0.10	<10	<10	60	<10	47	2
4100N 3225E	<0.2	1.57	<5	22	0.5	6	0.24	<1	9	12	23	3.11	<1	0.05	<10	0.70	618	<2	0.01	6	0.078	8	0.02	<5	4	10	<5	0.10	<10	<10	65	<10	54	2
4100N 3250E	<0.2	1.38	<5	36	0.5	5	0.29	<1	7	10	15	2.80	<1	0.05	11	0.64	403	<2	0.02	5	0.063	8	0.03	<5	4	13	<5	0.10	<10	<10	61	<10	47	2
4100N 3275E	<0.2	1.37	<5	41	<0.5	6	0.13	<1	6	8	9	3.15	<1	0.06	<10	0.44	475	<2	0.02	3	0.068	9	0.04	<5	1	9	<5	0.07	<10	<10	76	<10	41	1
4100N 3300E	<0.2	2.25	<5	46	<0.5	6	0.15	<1	9	12	20	3.19	<1	0.06	<10	0.62	685	<2	0.01	5	0.074	13	0.04	<5	2	8	<5	0.07	<10	<10	63	<10	62	1
4100N 3325E	<0.2	1.46	5	103	0.5	6	1.10	1	11	14	26	3.15	1	0.11	<10	0.79	807	<2	0.03	11	0.079	11	0.09	<5	6	45	<5	0.06	<10	<10	57	<10	98	5
4100N 3350E-A	<0.2	1.54	5	29	<0.5	5	0.09	<1	5	7	3	2.74	<1	0.03	<10	0.45	260	2	0.01	4	0.033	10	0.03	<5	2	6	<5	0.07	<10	<10	91	<10	33	2
4100N 3350E-B	<0.2	1.58	<5	30	0.5	5	0.11	<1	6	8	4	2.59	<1	0.03	<10	0.47	290	<2	0.01	4	0.028	9	0.02	<5	3	7	<5	0.08	<10	<10	66	<10	33	2
4100N 3375E-A	<0.2	2.26	<5	46	<0.5	<5	0.14	<1	7	11	12	2.00	<1	0.03	<10	0.57	332	2	0.01	6	0.068	14	0.05	<5	4	7	<5	0.04	<10	<10	45	<10	50	2
4100N 3375E-B	<0.2	1.95	<5	43	<0.5	<5	0.20	<1	7	12	15	2.22	<1	0.04	<10	0.54	326	3	0.01	6	0.069	12	0.04	<5	5	9	<5	0.07	<10	<10	50	<10	47	2
4100N 3400E-A	<0.2	2.08	<5	21	<0.5	6	0.09	<1	6	14	8	3.32	<1	0.04	<10	0.56	372	2	0.01	4	0.034	13	0.02	<5	4	5	<5	0.12	<10	<10	76	<10	39	2
4100N 3400E-B	0.4	2.20	<5	21	<0.5	<5	0.06	<1	4	10	10	2.54	<1	0.03	<10	0.34	235	3	0.01	3	0.039	14	0.03	<5	3	5	<5	0.10	<10	<10	56	<10	29	2
4100N 3425E	<0.2	1.65	<5	20	<0.5	5	0.08	<1	4	10	6	2.30	<1	0.03	<10	0.31	194	<2	0.01	3	0.048	13	0.03	<5	1	6	<5	0.09	<10	<10	45	<10	23	2
4100N 3450E	<0.2	1.24	<5	27	<0.5	5	0.17	<1	6	7	7	2.58	<1	0.05	<10	0.53	475	<2	0.01	3	0.064	7	0.04	<5	2	8	<5	0.08	<10	<10	56	<10	44	2
4100N 3475E	<0.2	1.68	<5	14	<0.5	5	0.15	<1	5	11	9	2.71	<1	0.02	<10	0.38	306	<2	0.01	4	0.051	9	0.01	<5	3	7	<5	0.09	<10	<10	53	<10	30	2
4100N 3500E	<0.2	1.44	<5	20	<0.5	5	0.23	<1	8	8	10	2.86	<1	0.04	<10	0.78	497	<2	0.01	5	0.058	6	0.02	<5	3	8	<5	0.10	<10	<10	56	<10	57	2
4100N 3525E	<0.2	1.24	<5	12	<0.5	<5	0.07	<1	5	7	2	2.37	<1	0.02	<10	0.44	276	<2	0.01	4	0.023	8	0.02	<5	2	6	<5	0.09	<10	<10	48	<10	30	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4100N 3550E	<0.2	1.55	<5	13	<0.5	<5	0.09	<1	4	8	4	1.48	<1	0.02	<10	0.39	226	<2	0.01	3	0.034	10	0.03	<5	2	5	<5	0.08	<10	<10	31	<10	28	3
4100N 3575E	<0.2	1.93	<5	12	<0.5	5	0.08	<1	4	11	9	2.70	<1	0.01	<10	0.33	226	<2	0.01	3	0.069	11	0.03	<5	2	4	<5	0.09	<10	<10	57	<10	23	4
4100N 3600E	<0.2	3.11	<5	16	<0.5	8	0.05	1	4	13	9	3.60	<1	0.02	<10	0.30	246	<2	0.01	4	0.056	16	0.04	<5	3	3	<5	0.09	<10	<10	72	<10	27	3
4100N 3625E	<0.2	1.73	<5	30	<0.5	<5	0.08	<1	4	9	10	2.22	<1	0.03	<10	0.39	238	<2	0.01	3	0.032	11	0.02	<5	3	6	<5	0.08	<10	<10	51	<10	28	2
4100N 3650E	<0.2	1.54	<5	18	<0.5	<5	0.15	<1	5	10	4	2.52	<1	0.02	<10	0.43	273	<2	0.01	3	0.042	8	0.02	<5	3	7	<5	0.09	<10	<10	51	<10	30	2
4100N 3675E-A	<0.2	1.60	<5	41	<0.5	5	0.15	<1	5	9	9	2.39	<1	0.05	<10	0.47	297	<2	0.01	4	0.062	9	0.04	<5	2	9	<5	0.06	<10	<10	54	<10	36	1
4100N 3675E-B	<0.2	1.71	<5	38	<0.5	5	0.16	<1	6	9	12	2.60	<1	0.05	<10	0.50	314	<2	0.01	4	0.052	10	0.03	<5	2	9	<5	0.07	<10	<10	55	<10	37	1
4100N 3700E-A	<0.2	1.51	<5	44	<0.5	<5	0.09	<1	3	12	6	0.87	<1	0.04	<10	0.32	188	<2	0.01	3	0.047	12	0.06	<5	2	7	<5	0.06	<10	<10	51	<10	22	1
4100N 3700E-B	<0.2	1.23	<5	41	<0.5	<5	0.18	<1	6	7	3	1.39	<1	0.03	<10	0.57	338	<2	0.01	5	0.036	8	0.01	<5	3	8	<5	0.08	<10	<10	37	<10	37	1
4100N 3725E	<0.2	1.34	<5	37	<0.5	<5	0.21	<1	7	10	17	1.88	<1	0.04	<10	0.71	420	<2	0.01	5	0.053	8	0.02	<5	5	8	<5	0.08	<10	<10	48	<10	49	2
4100N 3750E	<0.2	1.42	<5	17	<0.5	5	0.04	<1	2	7	3	2.45	<1	0.02	<10	0.14	110	<2	0.01	1	0.033	9	0.03	<5	1	3	<5	0.07	<10	<10	55	<10	15	1
4100N 3775E-A	<0.2	1.50	<5	15	<0.5	5	0.07	<1	5	10	6	2.57	<1	0.02	<10	0.36	267	<2	0.01	4	0.023	9	0.01	<5	3	4	<5	0.09	<10	<10	53	<10	25	2
4100N 3775E-B	<0.2	1.53	<5	16	<0.5	<5	0.08	<1	5	10	8	2.76	<1	0.02	<10	0.39	336	<2	0.01	4	0.024	8	0.01	<5	3	5	<5	0.10	<10	<10	56	<10	27	2
4100N 3800E	<0.2	2.66	<5	27	<0.5	5	0.09	1	3	11	12	2.75	<1	0.02	<10	0.24	163	<2	0.01	3	0.042	15	0.04	<5	2	6	<5	0.09	<10	<10	53	<10	20	1
4100N 3825E	<0.2	2.67	<5	39	0.5	5	0.16	1	7	11	14	2.72	<1	0.06	<10	0.60	385	<2	0.01	6	0.042	15	0.03	<5	4	11	<5	0.09	<10	<10	47	<10	52	2
4100N 3850E	0.3	2.42	<5	15	<0.5	7	0.10	<1	4	13	14	3.61	<1	0.02	<10	0.32	220	<2	0.01	3	0.052	16	0.04	<5	3	7	<5	0.11	<10	<10	64	<10	24	2
4050N 2350E	<0.2	3.24	<5	30	0.5	7	0.09	1	5	15	9	3.80	1	0.04	<10	0.37	274	<2	0.01	5	0.051	20	0.05	<5	5	8	<5	0.14	<10	<10	93	<10	38	2
4050N 2375E	<0.2	2.69	<5	33	0.5	7	0.11	<1	6	16	22	3.63	<1	0.04	<10	0.42	460	<2	0.01	5	0.090	16	0.03	<5	3	8	<5	0.12	<10	<10	75	<10	40	2
4050N 2400E	<0.2	3.09	<5	27	0.5	7	0.13	1	7	15	19	3.69	<1	0.04	10	0.50	512	<2	0.02	6	0.085	17	0.04	<5	5	8	<5	0.12	<10	<10	71	<10	40	3
4050N 2425E	<0.2	2.74	<5	21	0.5	8	0.09	1	5	14	6	4.24	1	0.03	<10	0.39	374	<2	0.02	4	0.047	15	0.04	<5	3	7	<5	0.15	<10	<10	89	<10	30	3
4050N 2450E	<0.2	2.31	<5	22	<0.5	5	0.06	<1	4	10	8	2.78	<1	0.03	<10	0.25	313	<2	0.01	3	0.052	13	0.03	<5	2	6	<5	0.10	<10	<10	57	<10	23	1
4050N 2475E	0.2	2.80	<5	34	<0.5	5	0.07	1	2	8	4	2.86	1	0.02	<10	0.19	131	<2	0.01	2	0.056	18	0.05	<5	3	5	<5	0.09	<10	<10	63	<10	18	1
4050N 2500E	1.0	4.31	7	24	0.8	<5	0.06	1	2	16	70	0.84	<1	0.04	45	0.17	98	<2	0.02	4	0.260	34	0.24	<5	1	4	<5	0.02	<10	<10	25	<10	13	1
4050N 2525E	0.2	2.40	<5	24	<0.5	<5	0.09	<1	5	12	7	2.07	<1	0.04	<10	0.39	350	<2	0.01	4	0.080	17	0.09	<5	2	6	<5	0.10	<10	<10	49	<10	32	3
4050N 2550E	<0.2	2.46	<5	23	0.6	5	0.09	<1	6	11	18	2.99	<1	0.04	<10	0.53	470	<2	0.01	4	0.066	14	0.05	<5	7	7	<5	0.14	<10	<10	61	<10	44	2
4050N 2575E	<0.2	1.31	<5	43	<0.5	<5	0.23	<1	5	12	14	1.68	<1	0.05	10	0.43	263	<2	0.02	4	0.071	10	0.07	<5	3	14	<5	0.07	<10	<10	50	<10	38	1
4050N 2600E	<0.2	1.43	<5	46	0.5	5	0.32	<1	9	12	18	2.89	<1	0.06	<10	0.62	869	<2	0.02	6	0.063	8	0.02	<5	5	19	<5	0.10	<10	<10	60	<10	56	2
4050N 2625E	<0.2	1.93	<5	22	<0.5	<5	0.07	<1	3	10	2	1.53	<1	0.04	<10	0.20	148	<2	0.01	3	0.050	15	0.05	<5	2	6	<5	0.10	<10	<10	44	<10	16	2
4050N 2650E-A	<0.2	1.57	<5	32	<0.5	<5	0.11	<1	4	10	2	2.08	<1	0.06	17	0.35	238	<2	0.01	3	0.055	12	0.04	<5	2	8	<5	0.08	<10	<10	52	<10	27	1
4050N 2650E-B	<0.2	1.90	<5	47	<0.5	<5	0.15	<1	5	10	8	1.97	<1	0.06	14	0.44	281	<2	0.01	4	0.048	15	0.03	<5	3	11	<5	0.09	<10	<10	47	<10	38	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4050N 2675E-A	<0.2	1.91	<5	19	<0.5	<5	0.13	<1	4	10	5	1.98	<1	0.03	<10	0.44	272	<2	0.01	4	0.031	12	0.03	<5	3	8	<5	0.10	<10	<10	43	<10	33	2
4050N 2675E-B	<0.2	1.92	<5	20	<0.5	<5	0.14	<1	4	10	5	1.92	<1	0.03	<10	0.44	274	<2	0.01	4	0.030	12	0.03	<5	3	9	<5	0.10	<10	<10	43	<10	33	2
4050N 2700E	<0.2	2.06	<5	24	<0.5	6	0.11	<1	5	12	9	3.59	<1	0.04	<10	0.33	270	<2	0.01	4	0.036	14	0.03	<5	3	9	<5	0.12	<10	<10	69	<10	28	2
4050N 2725E	<0.2	2.42	<5	22	<0.5	5	0.07	<1	4	13	15	2.68	<1	0.02	<10	0.24	251	<2	0.01	3	0.034	17	0.02	<5	4	6	<5	0.10	<10	<10	60	<10	24	1
4050N 2750E-A	0.3	2.71	<5	27	0.5	<5	0.07	1	3	16	19	2.01	<1	0.04	<10	0.23	329	<2	0.01	3	0.102	17	0.08	<5	<1	5	<5	0.05	<10	<10	38	<10	23	2
4050N 2750E-B	<0.2	1.63	<5	20	0.5	5	0.13	<1	5	12	10	2.99	1	0.03	<10	0.36	311	<2	0.01	4	0.037	10	0.02	<5	3	9	<5	0.10	<10	<10	60	<10	34	4
4050N 2775E	0.5	2.94	<5	20	<0.5	5	0.09	1	4	13	11	3.19	1	0.03	<10	0.30	209	<2	0.01	3	0.039	16	0.03	<5	5	8	<5	0.11	<10	<10	61	<10	27	3
4050N 2800E	<0.2	2.06	<5	19	0.5	5	0.08	<1	5	13	11	3.23	1	0.03	<10	0.32	359	<2	0.01	3	0.046	13	0.02	<5	4	7	<5	0.13	<10	<10	68	<10	29	2
4050N 2825E	<0.2	1.30	<5	18	<0.5	<5	0.04	1	2	2	2	0.27	<1	0.04	<10	0.01	8	<2	0.02	1	0.204	8	0.20	<5	<1	3	<5	0.01	<10	<10	4	<10	3	<1
4050N 2850E	<0.2	3.95	13	28	0.5	6	0.14	1	15	15	27	3.66	1	0.05	<10	0.47	1312	<2	0.02	6	0.164	23	0.05	<5	6	8	<5	0.10	<10	<10	63	<10	56	2
4050N 2875E-A	<0.2	2.51	<5	27	0.6	5	0.10	<1	4	12	7	2.60	1	0.04	10	0.33	285	2	0.01	3	0.098	17	0.06	<5	2	8	<5	0.12	<10	<10	50	<10	39	5
4050N 2875E-B	<0.2	2.25	<5	26	0.5	<5	0.09	<1	4	11	6	2.30	1	0.04	<10	0.32	251	2	0.01	3	0.081	15	0.05	<5	2	7	<5	0.12	<10	<10	48	<10	38	5
4050N 2900E	<0.2	1.91	<5	21	<0.5	6	0.07	<1	4	11	8	3.20	1	0.03	<10	0.33	226	<2	0.01	3	0.042	12	0.03	<5	3	7	<5	0.14	<10	<10	64	<10	27	2
4050N 2925E	<0.2	1.78	<5	17	0.5	5	0.10	<1	4	10	7	3.04	1	0.03	<10	0.30	222	<2	0.01	3	0.050	10	0.03	<5	2	7	<5	0.14	<10	<10	64	<10	24	2
4050N 2950E	<0.2	2.01	<5	25	<0.5	6	0.08	<1	5	10	8	3.46	1	0.04	<10	0.40	285	<2	0.01	4	0.028	12	0.02	<5	3	7	<5	0.11	<10	<10	68	<10	35	1
4050N 2975E	<0.2	1.57	<5	15	<0.5	5	0.10	<1	3	11	3	3.17	<1	0.03	<10	0.26	187	<2	0.01	2	0.025	9	0.02	<5	3	8	<5	0.11	<10	<10	65	<10	22	2
4050N 3000E	<0.2	2.24	9	39	0.5	6	0.16	<1	7	11	11	3.10	1	0.06	<10	0.58	393	<2	0.01	6	0.029	14	0.02	<5	4	12	<5	0.10	<10	<10	56	<10	49	2
4050N 3025E	<0.2	1.35	<5	26	<0.5	<5	0.21	<1	6	10	5	2.20	1	0.04	<10	0.63	372	<2	0.01	6	0.047	8	0.03	<5	4	10	<5	0.10	<10	<10	48	<10	43	2
4050N 3050E	<0.2	1.81	<5	27	<0.5	<5	0.11	<1	4	9	6	2.45	1	0.05	<10	0.37	234	<2	0.01	3	0.032	11	0.02	<5	3	8	<5	0.10	<10	<10	54	<10	29	1
4050N 3075E	<0.2	1.48	<5	35	<0.5	5	0.20	<1	6	10	12	2.80	1	0.06	<10	0.59	373	<2	0.01	5	0.057	10	0.03	<5	3	11	<5	0.09	<10	<10	64	<10	43	2
4050N 3100E	<0.2	1.61	5	51	0.5	6	0.22	<1	6	11	12	3.19	<1	0.05	<10	0.56	336	<2	0.01	5	0.049	9	0.02	<5	5	12	<5	0.10	<10	<10	60	<10	40	2
4050N 3125E-A	<0.2	2.14	<5	34	<0.5	9	0.09	1	4	11	5	4.51	1	0.04	<10	0.27	218	<2	0.01	4	0.095	13	0.08	<5	1	7	<5	0.09	<10	<10	81	<10	23	2
4050N 3125E-B	<0.2	2.74	<5	28	0.5	7	0.10	1	5	12	10	3.95	1	0.03	<10	0.39	284	<2	0.01	3	0.068	15	0.06	<5	2	7	<5	0.09	<10	<10	62	<10	30	2
4050N 3150E-A	<0.2	2.64	<5	40	0.5	7	0.11	1	7	12	11	3.91	1	0.07	<10	0.49	667	<2	0.01	4	0.048	14	0.03	<5	3	10	<5	0.10	<10	<10	73	<10	38	2
4050N 3150E-B	<0.2	2.47	<5	37	0.5	8	0.10	<1	8	12	11	4.10	<1	0.06	<10	0.52	723	<2	0.01	5	0.040	13	0.03	<5	4	10	<5	0.10	<10	<10	76	<10	41	2
4050N 3175E-A	<0.2	1.87	<5	45	<0.5	5	0.18	<1	7	12	10	2.79	<1	0.07	<10	0.62	453	<2	0.01	6	0.056	11	0.02	<5	5	12	<5	0.11	<10	<10	62	<10	55	2
4050N 3175E-B	<0.2	1.96	<5	44	<0.5	<5	0.18	<1	8	11	10	2.60	<1	0.07	<10	0.68	549	<2	0.01	6	0.071	11	0.02	<5	5	12	<5	0.10	<10	<10	60	<10	56	2
4050N 3200E	<0.2	2.42	<5	54	<0.5	6	0.12	1	7	12	14	3.00	<1	0.06	<10	0.64	459	<2	0.01	6	0.040	14	0.03	<5	4	8	<5	0.07	<10	<10	51	<10	63	1
4050N 3225E	<0.2	2.55	<5	44	<0.5	8	0.14	1	7	14	9	3.93	<1	0.05	<10	0.54	403	<2	0.01	5	0.050	15	0.03	<5	2	8	<5	0.08	<10	<10	65	<10	64	2
4050N 3250E	<0.2	1.21	<5	39	0.5	6	0.33	<1	9	12	19	3.27	<1	0.05	<10	0.66	809	<2	0.01	6	0.072	6	0.02	<5	5	13	<5	0.11	<10	<10	64	<10	56	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4050N 3275E	<0.2	1.08	<5	33	<0.5	5	0.27	<1	9	8	19	3.10	<1	0.04	<10	0.64	705	<2	0.01	5	0.071	5	0.04	<5	2	10	<5	0.08	<10	<10	56	<10	51	2
4050N 3300E	<0.2	2.12	<5	50	0.5	7	0.22	1	11	11	23	3.56	<1	0.06	<10	0.70	792	<2	0.01	6	0.071	11	0.04	<5	3	9	<5	0.08	<10	<10	63	<10	67	1
4050N 3325E	<0.2	3.94	<5	33	0.6	7	0.08	1	7	20	28	3.36	<1	0.03	12	0.28	911	<2	0.01	7	0.110	26	0.09	<5	2	5	<5	0.06	<10	<10	63	<10	33	3
4050N 3350E	<0.2	1.08	<5	19	<0.5	<5	0.06	<1	3	12	3	1.89	<1	0.03	<10	0.21	218	<2	0.01	2	0.046	11	0.03	<5	1	5	<5	0.08	<10	<10	49	<10	15	1
4050N 3375E	<0.2	1.37	<5	36	<0.5	8	0.18	1	8	13	2	4.02	<1	0.04	<10	0.65	884	<2	0.01	5	0.046	7	0.04	<5	3	9	<5	0.12	<10	<10	86	<10	47	2
4050N 3400E	<0.2	2.73	<5	44	<0.5	7	0.15	1	7	12	9	3.50	<1	0.04	<10	0.62	379	<2	0.01	5	0.036	15	0.03	<5	5	8	<5	0.07	<10	<10	61	<10	48	1
4050N 3425E	<0.2	1.16	<5	41	<0.5	<5	0.17	<1	3	6	3	1.05	<1	0.02	<10	0.31	194	<2	0.01	2	0.024	8	0.03	<5	3	8	<5	0.05	<10	<10	61	<10	20	<1
4050N 3450E	<0.2	1.61	<5	29	<0.5	7	0.20	1	9	10	11	3.76	<1	0.03	<10	0.77	538	<2	0.01	4	0.052	7	0.02	<5	4	6	<5	0.10	<10	<10	66	<10	59	2
4050N 3475E	<0.2	1.94	<5	20	<0.5	6	0.07	1	5	10	5	3.42	<1	0.02	<10	0.41	314	<2	0.01	3	0.024	9	0.02	<5	3	5	<5	0.11	<10	<10	56	<10	32	2
4050N 3500E-A	<0.2	1.55	<5	15	<0.5	5	0.10	1	5	10	5	2.71	<1	0.02	<10	0.40	281	<2	0.01	4	0.029	9	0.02	<5	2	6	<5	0.10	<10	<10	47	<10	36	2
4050N 3500E-B	<0.2	1.51	<5	17	<0.5	5	0.11	<1	5	10	8	2.48	<1	0.02	<10	0.43	284	<2	0.01	4	0.024	8	0.02	<5	2	6	<5	0.09	<10	<10	44	<10	34	2
4050N 3525E-A	<0.2	2.26	<5	23	<0.5	5	0.09	1	4	11	11	2.74	<1	0.04	<10	0.31	236	<2	0.01	4	0.084	12	0.08	<5	2	5	<5	0.07	<10	<10	40	<10	29	2
4050N 3525E-B	<0.2	2.00	<5	28	<0.5	<5	0.14	1	6	9	11	2.35	<1	0.03	<10	0.55	338	<2	0.01	5	0.045	11	0.04	<5	3	6	<5	0.08	<10	<10	42	<10	45	2
4050N 3550E-A	<0.2	1.75	<5	16	<0.5	5	0.13	1	6	10	10	2.57	<1	0.02	<10	0.47	327	<2	0.01	4	0.030	8	0.03	<5	3	6	<5	0.10	<10	<10	49	<10	37	3
4050N 3550E-B	<0.2	1.62	<5	15	0.7	<5	0.13	1	5	9	10	2.40	6	0.03	<10	0.48	319	<2	0.01	3	0.034	8	0.02	<5	3	7	<5	0.09	<10	<10	51	<10	33	3
4050N 3575E	<0.2	1.60	<5	28	0.7	5	0.16	1	7	12	15	2.44	4	0.05	<10	0.50	497	<2	0.01	4	0.061	9	0.01	<5	3	8	<5	0.08	<10	<10	58	<10	45	1
4050N 3600E	<0.2	2.54	<5	27	0.7	6	0.12	1	5	14	12	2.95	<1	0.04	13	0.37	297	<2	0.02	4	0.090	15	0.04	<5	2	7	<5	0.08	<10	<10	57	<10	37	4
4050N 3625E	<0.2	1.88	<5	20	<0.5	6	0.06	1	5	10	7	3.07	<1	0.03	<10	0.38	312	<2	0.01	3	0.059	11	0.05	<5	2	4	<5	0.10	<10	<10	51	<10	33	2
4050N 3650E	<0.2	2.26	<5	42	<0.5	6	0.16	1	5	12	16	3.16	<1	0.05	<10	0.36	295	<2	0.01	4	0.049	12	0.03	<5	2	8	<5	0.07	<10	<10	63	<10	40	1
4050N 3675E	<0.2	2.21	<5	33	<0.5	7	0.18	1	7	11	12	3.31	1	0.05	<10	0.57	502	<2	0.01	5	0.066	11	0.03	<5	3	8	<5	0.09	<10	<10	58	<10	45	2
4050N 3700E	<0.2	2.16	<5	49	<0.5	6	0.15	1	8	11	16	3.00	1	0.06	<10	0.50	477	<2	0.01	5	0.060	12	0.04	<5	3	9	<5	0.07	<10	<10	57	<10	44	1
4050N 3725E	<0.2	1.82	<5	42	<0.5	6	0.17	1	7	10	11	2.96	1	0.06	<10	0.62	397	<2	0.01	5	0.059	10	0.04	<5	3	9	<5	0.08	<10	<10	60	<10	48	1
4050N 3750E	<0.2	2.24	<5	29	0.5	5	0.10	1	4	10	2	2.59	1	0.02	<10	0.35	251	<2	0.01	3	0.036	12	0.04	<5	3	6	<5	0.11	<10	<10	61	<10	26	2
4050N 3775E	<0.2	2.77	<5	29	0.7	12	0.05	1	4	13	5	5.70	1	0.03	<10	0.27	253	<2	0.01	3	0.062	13	0.05	<5	3	5	<5	0.20	<10	<10	83	<10	20	4
4050N 3800E	<0.2	2.68	<5	18	0.6	8	0.11	1	19	40	7	3.85	1	0.05	<10	1.93	388	<2	0.01	24	0.058	12	0.04	<5	7	7	<5	0.16	<10	<10	123	<10	48	2
4050N 3825E	0.3	2.06	<5	20	<0.5	<5	0.07	1	4	9	6	2.12	<1	0.03	<10	0.34	212	<2	0.01	3	0.062	12	0.05	<5	1	6	<5	0.08	<10	<10	47	<10	26	2
4050N 3850E	<0.2	1.30	<5	20	<0.5	<5	0.10	<1	5	9	3	1.32	<1	0.03	<10	0.45	265	<2	0.01	4	0.049	10	0.05	<5	2	6	<5	0.06	<10	<10	32	<10	33	1
4000N 2350E	<0.2	2.20	<5	19	<0.5	8	0.09	1	6	10	4	3.87	<1	0.02	<10	0.47	340	<2	0.01	3	0.042	10	0.02	<5	3	5	<5	0.11	<10	<10	76	<10	39	2
4000N 2375E	<0.2	1.50	<5	24	<0.5	<5	0.24	<1	7	9	11	1.96	1	0.05	<10	0.64	385	<2	0.01	6	0.077	10	0.02	<5	3	9	<5	0.09	<10	<10	39	<10	48	2
4000N 2400E	<0.2	2.31	<5	22	<0.5	5	0.07	1	6	11	10	2.42	<1	0.03	<10	0.55	405	<2	0.01	5	0.077	14	0.05	<5	2	5	<5	0.07	<10	<10	61	<10	41	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4000N 2425E	<0.2	2.83	<5	33	<0.5	<5	0.10	1	6	14	13	2.03	<1	0.07	16	0.47	320	<2	0.02	6	0.188	20	0.12	<5	<1	6	<5	0.02	<10	<10	43	<10	42	1
4000N 2450E-A	<0.2	1.97	<5	22	<0.5	6	0.15	1	8	12	9	3.10	<1	0.03	<10	0.64	519	<2	0.01	6	0.097	11	0.03	<5	3	8	<5	0.09	<10	<10	60	<10	52	1
4000N 2450E-B	<0.2	1.89	<5	21	<0.5	6	0.15	1	8	12	8	2.96	<1	0.03	<10	0.62	507	<2	0.01	6	0.092	11	0.03	<5	3	7	<5	0.09	<10	<10	57	<10	50	1
4000N 2475E	0.2	1.77	<5	20	<0.5	9	0.11	1	7	12	6	4.35	<1	0.03	<10	0.51	379	<2	0.01	5	0.118	10	0.03	<5	3	6	<5	0.12	<10	<10	79	<10	39	2
4000N 2500E-A	<0.2	1.83	<5	29	<0.5	5	0.08	1	6	13	5	2.81	<1	0.05	<10	0.41	676	<2	0.01	7	0.120	12	0.09	<5	1	6	<5	0.10	<10	<10	60	<10	36	1
4000N 2500E-B	<0.2	2.82	<5	21	0.5	6	0.09	1	7	11	9	2.83	<1	0.04	<10	0.54	666	<2	0.01	5	0.103	14	0.09	<5	2	5	<5	0.10	<10	<10	49	<10	42	2
4000N 2525E-A	<0.2	1.53	<5	44	0.5	6	0.25	<1	8	11	19	3.12	<1	0.05	<10	0.66	457	<2	0.02	6	0.051	9	0.01	<5	5	12	<5	0.10	<10	<10	61	<10	53	2
4000N 2525E-B	<0.2	1.55	<5	44	0.5	7	0.25	<1	8	11	20	3.38	1	0.05	<10	0.67	500	<2	0.02	6	0.047	8	0.02	<5	5	12	<5	0.10	<10	<10	66	<10	54	2
4000N 2550E	<0.2	2.20	<5	26	0.5	5	0.13	1	6	12	12	2.37	<1	0.05	10	0.58	349	<2	0.01	5	0.092	12	0.07	<5	4	7	<5	0.09	<10	<10	46	<10	47	2
4000N 2575E	<0.2	2.32	<5	23	0.5	9	0.08	1	7	13	10	3.98	<1	0.03	<10	0.54	436	<2	0.01	5	0.035	11	0.02	<5	5	5	<5	0.13	<10	<10	78	<10	44	2
4000N 2600E	<0.2	1.16	<5	19	<0.5	<5	0.08	<1	5	9	3	1.85	<1	0.03	<10	0.39	243	<2	0.01	4	0.028	9	0.02	<5	2	7	<5	0.08	<10	<10	42	<10	29	1
4000N 2625E	<0.2	2.69	<5	19	0.6	8	0.11	<1	6	14	11	4.27	<1	0.03	<10	0.53	395	<2	0.01	5	0.041	15	0.02	<5	6	7	<5	0.18	<10	<10	82	<10	40	5
4000N 2650E	<0.2	2.03	<5	20	<0.5	6	0.06	<1	3	9	4	3.79	<1	0.02	<10	0.23	143	<2	0.01	2	0.047	16	0.03	<5	2	5	<5	0.14	<10	<10	68	<10	20	1
4000N 2675E	<0.2	2.00	<5	32	<0.5	5	0.12	<1	7	10	7	2.74	<1	0.04	<10	0.62	368	<2	0.01	5	0.040	13	0.03	<5	3	9	<5	0.09	<10	<10	53	<10	49	1
4000N 2700E	<0.2	2.30	<5	20	<0.5	5	0.09	<1	4	11	5	2.92	<1	0.03	<10	0.40	294	<2	0.01	4	0.044	14	0.04	<5	3	6	<5	0.11	<10	<10	51	<10	29	2
4000N 2725E	<0.2	4.01	<5	31	0.5	11	0.07	1	4	14	3	5.61	1	0.03	<10	0.23	179	<2	0.01	2	0.083	22	0.04	<5	3	5	<5	0.11	<10	<10	92	<10	26	3
4000N 2750E	<0.2	1.36	<5	16	<0.5	<5	0.09	<1	3	8	1	2.55	<1	0.03	<10	0.30	193	<2	0.01	2	0.022	12	0.02	<5	2	7	<5	0.12	<10	<10	60	<10	23	1
4000N 2775E-A	<0.2	2.79	<5	21	0.6	5	0.09	<1	5	15	9	3.27	<1	0.03	10	0.39	291	2	0.01	3	0.047	16	0.04	<5	5	6	<5	0.13	<10	<10	60	<10	34	2
4000N 2775E-B	<0.2	2.37	<5	18	0.6	6	0.10	<1	8	13	8	3.66	<1	0.03	<10	0.57	793	<2	0.01	5	0.040	12	0.03	<5	5	7	<5	0.13	<10	<10	65	<10	44	2
4000N 2800E	<0.2	3.04	<5	22	0.5	11	0.07	1	5	14	1	5.82	1	0.02	<10	0.38	236	<2	0.01	3	0.054	16	0.04	<5	3	6	<5	0.14	<10	<10	96	<10	25	2
4000N 2825E-A	<0.2	3.72	<5	24	0.9	8	0.18	1	12	48	17	4.50	1	0.04	<10	1.13	559	<2	0.01	38	0.070	20	0.04	<5	7	6	<5	0.21	<10	<10	90	<10	50	4
4000N 2825E-B	<0.2	3.68	<5	22	1.1	8	0.24	1	14	67	17	4.37	1	0.04	<10	1.42	439	<2	0.01	56	0.063	19	0.04	<5	7	6	<5	0.26	<10	<10	94	<10	50	5
4000N 2850E	<0.2	2.41	<5	35	<0.5	7	0.12	<1	6	13	11	3.79	<1	0.06	<10	0.44	328	<2	0.01	6	0.092	15	0.05	<5	2	8	<5	0.09	<10	<10	61	<10	41	2
4000N 2875E-A	<0.2	1.43	<5	29	<0.5	<5	0.11	<1	4	9	3	1.64	<1	0.03	<10	0.45	258	<2	0.01	4	0.044	11	0.05	<5	3	8	<5	0.08	<10	<10	47	<10	31	1
4000N 2875E-B	<0.2	1.99	<5	37	<0.5	<5	0.13	1	4	15	8	1.70	<1	0.05	10	0.40	232	2	0.01	4	0.081	15	0.15	<5	2	9	<5	0.07	<10	<10	59	<10	29	1
4000N 2900E	<0.2	2.36	<5	45	<0.5	<5	0.09	<1	7	17	5	1.72	<1	0.03	<10	0.64	302	3	0.01	7	0.042	16	0.07	<5	4	7	<5	0.08	<10	<10	51	<10	40	1
4000N 2925E	<0.2	1.50	<5	16	<0.5	7	0.09	<1	5	11	4	3.55	<1	0.02	<10	0.44	279	<2	0.01	4	0.014	9	0.01	<5	3	7	<5	0.12	<10	<10	72	<10	31	2
Duplicates:																																		
4150N 2525E	<0.2	1.06	<5	25	<0.5	<5	0.06	<1	4	7	3	2.10	<1	0.03	<10	0.21	263	<2	0.01	3	0.069	10	0.03	<5	1	4	<5	0.08	<10	<10	50	<10	25	1
4150N 2700E-B	<0.2	3.00	<5	26	<0.5	12	0.05	1	5	18	5	5.82	<1	0.02	<10	0.34	333	<2	0.01	3	0.077	17	0.04	<5	3	4	<5	0.10	<10	<10	90	<10	34	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
4150N 2925E	<0.2	1.56	<5	17	<0.5	5	0.06	<1	4	10	6	2.34	<1	0.02	<10	0.35	255	<2	0.01	3	0.029	11	0.02	<5	2	4	<5	0.08	<10	<10	45	<10	31	1
4150N 3000E	<0.2	1.49	<5	16	<0.5	<5	0.06	<1	5	9	4	2.46	<1	0.03	<10	0.40	348	<2	0.01	4	0.035	10	0.03	<5	1	5	<5	0.09	<10	<10	51	<10	29	2
4150N 3175E-A	<0.2	2.61	<5	86	<0.5	5	0.10	<1	10	13	12	2.41	<1	0.07	<10	0.76	411	<2	0.01	8	0.058	18	0.04	<5	3	8	<5	0.05	<10	<10	49	<10	65	1
4150N 3400E	<0.2	3.19	<5	18	<0.5	8	0.09	1	8	16	14	4.36	<1	0.03	<10	0.52	569	<2	0.01	4	0.082	16	0.03	<5	4	6	<5	0.11	<10	<10	78	<10	39	3
4150N 3475E	0.5	2.30	<5	21	0.5	5	0.03	<1	5	12	10	3.03	<1	0.02	<10	0.26	433	<2	0.01	3	0.065	12	0.03	<5	3	3	<5	0.12	<10	<10	65	<10	25	3
4150N 3625E	<0.2	1.80	<5	43	<0.5	<5	0.09	<1	7	9	16	2.42	<1	0.03	<10	0.61	347	<2	0.01	5	0.060	11	0.03	<5	3	4	<5	0.05	<10	<10	44	<10	45	1
4100N 2350E	0.2	1.03	<5	13	<0.5	<5	0.03	<1	2	7	5	0.78	<1	0.02	<10	0.16	84	<2	0.01	2	0.056	9	0.05	<5	<1	2	<5	0.04	<10	<10	28	<10	12	1
4100N 2400E	<0.2	2.38	<5	44	<0.5	5	0.11	<1	7	12	23	2.59	<1	0.04	11	0.49	315	<2	0.01	6	0.043	13	0.02	<5	5	8	<5	0.08	<10	<10	52	<10	39	2
4100N 2600E	<0.2	1.98	<5	29	<0.5	<5	0.15	<1	6	10	17	1.79	<1	0.04	<10	0.51	309	<2	0.01	5	0.044	12	0.03	<5	4	9	<5	0.09	<10	<10	43	<10	43	2
4100N 2800E	<0.2	1.68	<5	21	<0.5	5	0.16	<1	7	11	15	2.78	<1	0.03	<10	0.50	416	<2	0.01	5	0.066	9	0.02	<5	4	8	<5	0.10	<10	<10	57	<10	40	2
4100N 2875E	<0.2	2.88	5	23	0.6	8	0.09	1	6	14	9	4.00	1	0.03	<10	0.40	464	<2	0.01	4	0.061	15	0.03	<5	6	6	<5	0.16	<10	<10	85	<10	33	5
4100N 3050E	<0.2	1.29	<5	26	<0.5	<5	0.06	<1	2	7	3	1.15	<1	0.03	<10	0.17	100	<2	0.01	2	0.063	12	0.05	<5	1	5	<5	0.05	<10	<10	37	<10	15	1
4100N 3300E	<0.2	2.28	<5	46	0.5	6	0.16	<1	9	12	20	3.28	<1	0.06	<10	0.65	708	<2	0.01	5	0.073	13	0.04	<5	2	8	<5	0.08	<10	<10	65	<10	62	1
4100N 3375E-A	<0.2	2.31	<5	46	<0.5	<5	0.15	<1	7	11	12	2.03	<1	0.03	<10	0.58	341	2	0.01	6	0.068	14	0.05	<5	4	7	<5	0.05	<10	<10	47	<10	51	2
4100N 3550E	<0.2	1.57	<5	13	<0.5	<5	0.10	<1	4	8	4	1.50	<1	0.02	<10	0.39	229	<2	0.01	3	0.035	9	0.03	<5	2	6	<5	0.08	<10	<10	32	<10	27	3
4100N 3750E	<0.2	1.53	<5	19	<0.5	5	0.06	<1	2	10	3	2.62	<1	0.02	<10	0.16	128	<2	0.01	2	0.034	10	0.03	<5	1	5	<5	0.08	<10	<10	62	<10	19	1
4100N 3800E	<0.2	2.60	<5	27	<0.5	5	0.09	1	3	10	11	2.76	<1	0.02	<10	0.23	161	<2	0.01	2	0.042	15	0.04	<5	2	6	<5	0.09	<10	<10	53	<10	19	2
4050N 2500E	1.0	4.30	7	24	0.8	<5	0.06	1	2	16	71	0.83	<1	0.04	46	0.17	98	<2	0.02	4	0.258	34	0.24	<5	1	4	<5	0.02	<10	<10	25	<10	13	1
4050N 2700E	<0.2	2.01	<5	23	<0.5	6	0.09	<1	4	11	9	3.50	<1	0.04	<10	0.32	258	<2	0.01	4	0.035	13	0.02	<5	3	7	<5	0.11	<10	<10	66	<10	27	2
4050N 2750E-B	<0.2	1.68	<5	21	0.5	6	0.14	<1	5	12	11	3.19	1	0.03	<10	0.37	335	<2	0.01	4	0.039	10	0.02	<5	3	10	<5	0.11	<10	<10	64	<10	35	4
4050N 2950E	<0.2	2.01	<5	25	<0.5	6	0.09	<1	5	10	7	3.41	<1	0.04	<10	0.40	288	<2	0.01	4	0.026	12	0.02	<5	3	9	<5	0.12	<10	<10	68	<10	35	1
4050N 3150E-B	<0.2	2.47	<5	37	0.5	8	0.11	1	8	12	11	4.00	1	0.06	<10	0.54	731	<2	0.01	5	0.040	13	0.03	<5	4	11	<5	0.10	<10	<10	78	<10	41	2
4050N 3200E	<0.2	2.48	<5	53	<0.5	6	0.11	1	7	12	14	2.93	<1	0.07	<10	0.62	446	<2	0.01	6	0.038	13	0.03	<5	4	8	<5	0.07	<10	<10	51	<10	58	2
4050N 3425E	<0.2	1.15	<5	40	<0.5	<5	0.17	<1	3	6	3	1.03	<1	0.02	<10	0.31	195	<2	0.01	3	0.023	8	0.03	<5	3	8	<5	0.05	<10	<10	60	<10	21	1
4050N 3600E	<0.2	2.53	<5	27	0.7	6	0.11	1	4	14	11	3.00	<1	0.04	13	0.37	295	<2	0.02	5	0.088	15	0.04	<5	2	6	<5	0.08	<10	<10	56	<10	38	6
4050N 3675E	<0.2	2.21	<5	34	<0.5	7	0.17	1	7	11	13	3.42	1	0.05	<10	0.59	506	<2	0.01	5	0.062	10	0.03	<5	3	8	<5	0.09	<10	<10	58	<10	47	1
4000N 2375E	<0.2	1.53	<5	23	<0.5	<5	0.23	<1	7	9	11	2.05	1	0.05	<10	0.66	395	<2	0.01	6	0.077	9	0.02	<5	4	9	<5	0.09	<10	<10	39	<10	49	1
4000N 2550E	<0.2	2.19	<5	26	0.5	5	0.13	1	6	13	12	2.51	<1	0.04	10	0.59	376	<2	0.01	6	0.096	13	0.07	<5	4	7	<5	0.09	<10	<10	47	<10	51	2
4000N 2625E	<0.2	2.87	<5	22	0.6	9	0.12	1	7	16	12	4.54	1	0.04	<10	0.56	424	<2	0.01	5	0.043	16	0.02	<5	7	8	<5	0.20	<10	<10	89	<10	43	5
4000N 2825E-A	<0.2	3.59	<5	23	0.8	8	0.18	1	11	45	17	4.16	1	0.04	<10	1.03	541	<2	0.01	35	0.068	19	0.04	<5	6	6	<5	0.21	<10	<10	85	<10	46	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



SGS Canada Inc.

8282 Sherbrooke Street, Vancouver, British Columbia, V5X 4R6

T: (604) 327-3436 F: (604) 327-3423

Report No : 0V1639SJ

Date : Oct-26-10

Sample type : SOIL

St. Elias Mines

Project : SOIL0

Attention : James Thom

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
Standards:																																		
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	<1	<0.01	<10	<0.01	<5	<2	<0.01	<1	<0.001	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1
CH-4	1.9	1.77	<5	281	0.5	9	0.61	1	24	105	2063	4.52	1	1.37	13	1.23	331	2	0.05	50	0.074	9	0.61	<5	7	8	<5	0.20	<10	<10	73	<10	213	13

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO₃ at 95°C for 2 hours and diluted to 25ml.