Assessment Report
On Geological and Geochemical Surveys
On "Block 2"
Copper Mountain Project
Solitaire Minerals Inc.

631685 (Rita Area A), 631703 (Rita Area B)

Owner: Solitaire Minerals Inc.

Princeton area, south-western British Columbia

Similkameen Mining Division

49° 37'15"N Latitude, 120° 26'15"W Longitude
NTS Sheet 092H/09

Effective Date Jan 15, 2010

For: Solitaire Minerals Inc.
Suite 430 – 609 Granville St.
Vancouver, B.C. V7Y 1G5
Tel: 604-683-5445
Fax: 604-687-9631
Toll Free: 1-866-683-5445
charles@northamericangem.com

By:
Carl Schulze, BSc, PGeo, Consulting Geologist for project
All-Terrane Mineral Exploration Services
35 Dawson Rd
Whitehorse, Yukon Y1A 5T6
Tel: 867-633-4807
Fax: 867-633-4883
Email: allterrane@northwestel.net

February 23, 2010

Summary

In October 2009 Solitaire Minerals Inc. conducted a preliminary surface exploration program consisting of geological mapping, soil and silt sampling on "Block 2", one of six properties comprising the Copper Mountain Project in the vicinity of the Town of Princeton, British Columbia. The properties were acquired to cover potential distal mineralization of the porphyry system centered on the Similco Copper Mountain Deposit south of Princeton. Block 2 is road accessible and located 18 kilometres north of the town of Princeton. The two claims comprising the Block 2 property were acquired by Solitaire in September, 2009.

The Copper Mountain properties of Solitaire Minerals are located within the Quesnellia Terrane, an accreted terrane in the southern portion of the Intermontane Belt. In the Princeton area, upper Triassic Nicola Group arc volcanics were emplaced in an ancient north-south trending rift system bounded by major north-south extending faults, which formed the depositional setting for Cretaceous and early Tertiary volcanism and associated sedimentation. Several Mesozoic intrusive suites were emplaced in the Okanagan Subterrane near this rift system, most notably the upper Triassic – lower Jurassic Guichon Suite, the middle Jurassic Osprey Lake Suite and a mid-Cretaceous suite forming part of the western Coast Plutonic Complex, which includes the Summers Creek Pluton underlying much of Block 2. A close relationship occurs between copper mineralization and Nicola magmatism. Radiometric age dating places the age of the Copper Mountain Intrusions and associated mineralization as early Jurassic, suggesting association with emplacement of the Guichon Suite.

The western and central portions of Block 2 are underlain by Summers Creek Pluton granite to granodiorite, which has intruded Osprey Suite alkali feldspar granites to the east, and Nicola Group basalts to andesites to the west. Several base metal and/or copper-precious metal showings outside of the boundaries of Block 2 occur along or close to the western pluton margins. Soil sampling revealed a moderate lead-zinc anomaly in the north-western property area and weak coincident copper-molybdenum anomalies from silt sampling of Trehearne Creek in the north-eastern area.

The Summers Creek Pluton likely formed from a melt somewhat enriched in metal-bearing hydrothermal fluids and volatiles. During magma cooling and solidification, these fluids moved towards marginal areas of the stock and adjacent areas in the host Nicola Volcanics, forming base metal and copper-silver-gold occurrences. The rather small showings suggest this was not a large, high-energy mineralizing system, reducing (but not eliminating) potential for economically viable deposits. The strongest potential for mineralization occurs near the lead-zinc soil anomaly identified in 2009.

A two-person three-day exploration program (excluding travel and weather days), consisting of geological mapping, rock, silt and systematic soil sampling covering the northwestern area, is recommended to determine the source and extent of the lead-zinc soil anomaly. Projected costs, including report writing and 15% contingency, stand at about CDN$19,350. No further work is recommended elsewhere on the property.

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1.0 Introduction

1.1 Introduction

In October, 2009 Solitaire Minerals Inc (SLT – TSX-Venture Exchange) conducted a surface exploration program on the 631685 (Rita Area A), 631703 (Rita Area B) claims located 18 km north of the Town of Princeton, British Columbia, Canada. The property is one of six land packages acquired by Solitaire Minerals in September 2009, and is referred to as "Block 2". It is the most northern block of the six, located several kilometres east of Block 1.

1.1.1 Underlying Agreements

In September 2009 Solitaire Minerals Inc. entered into an option agreement to earn a 100% undivided interest in ten claims within six land packages, including Block 2, totalling 10,254 acres (4,147 Ha) held by Mr. Ken Smith. In order to earn this interest, Solitaire must pay the Optioner, Mr. Smith, a total of CDN $185,000 and 1,500,000 shares within a period of two years. The properties are subject to a 2% royalty payable to the Optioner.

1.2 Terms of Reference

The author has been requested to write this report to satisfy assessment filing requirements under the Mines Division of the Ministry of Energy, Mines and Petroleum Resources, Government of British Columbia.

1.3 Sources of Information

Little information was available to this author prior to the October work program. Limited past history was provided online at the British Columbia "Minfile" website and district-scale geological data was provided on-line by the British Columbia Geological Survey site. History of the Copper Mountain mine was provided by the official website of the Copper Mountain Corporation.

1.4 Field Involvement of Qualified Person

Mr. Carl Schulze, BSc, PGeo and the Qualified Person for the project, was on site for the entire duration of the program which occurred intermittently throughout the month of October. Compilation and interpretation of geological, structural, and geochemical data was done by All Terrane Mineral Exploration Services, of which Mr. Schulze is sole proprietor.

2.0 Reliance on Other Experts

This was a grass-roots exploration program; therefore no reliance on other experts was made.

3.0 Property Description and Location

The "Block 2" property consists of two British Columbia mining claims comprising 1,046.43 Ha (2,584.7 acres). The property is located about 18 km north-northeast of the Town of Princeton, in the Similkameen Mining District at 49° 37'15"N Latitude, 120° 26'15"W Longitude, within BCGS Sheet 092H/09 (Figures 1 through 2). All claims are contiguous and unpatented (Table 1, Figure 3) and have not undergone a legal survey.

Table 1 below lists the status of the two claims comprising the property.

Table 1: Claim Status, Block 2

Claim No.	Claim Name	Area (Ha)	Issue Date	Expiry Date
631685	Rita Area A	523.29	Sept 10, 2009	Sept 10, 2013
631703	Rita Area B	523.14	Sept 10, 2009	Sept 10, 2013

There are no past mine workings, existing tailings ponds, waste deposits or major bulk sample excavations. Water is sparse; only one stream, Trehearne Creek, flowing across the northeastern property area, has some potential for a source of water for drilling. The upper extent was dry in October, 2009 and the stream was a trickle in its lower extent; it may not be a reliable water source.

There are no known environmental liabilities on the property. No permits are in place or were required to perform the grass-roots style exploration during the 2009 program.

4.0 Access, Physiography and Climate

The Block 1 property is located in an area of gentle to moderate relief roughly 18 kilometres north-northeast of the Town of Princeton. Elevations range from just under 3,900 feet (1,190m) in the southwest corner to just over 5,000 feet (1,525 metres) in the northeast corner. Outcrop exposure is sparse except for the northern half of Claim 631703, and the western portion of Claim 631685. The majority of the property is covered by thin to moderate glacial till cover, much of it less than 2.0 metres in thickness.

The property is covered by mature spruce and pine forest, with lesser fir stands. Much of the southeastern property area and a small portion of the northwestern area have undergone recent logging, resulting in a well developed network of logging roads. Secondary growth is typically

about 3 to 5 metres in height. Access is via the Jura Creek Road, a trunk logging road extending north from the Summerland Road, roughly 12 km northeast of Princeton. The eastern property area can be accessed by a branch logging road extending east from Kilometre 6 of the Jura Creek Road. Roughly 4 km east of this intersection, the Cougar Road extends northeast, passing through the southeastern part of Claim 631703. The Jura Creek Road itself continues northward and extends slightly west of the west boundary of Claim 631685. The extreme northwestern area can be accessed by small disused logging roads extending eastward from roughly Kilometre 11 of the Jura Creek Road.

The climate is dry continental, with warm summers and fairly cold winters. July daytime high temperatures in Princeton average 26°C; winter highs average -2°C. Precipitation in Princeton averages about 36 cm (14 in) per year, with fairly abundant snowfall. At the property, precipitation is slightly higher, with lower average temperatures due to elevation. The exploration season extends from mid-May to late October, although drilling could be done somewhat later in the season.

The property size and gentle terrain are sufficient to accommodate mining facilities, potential mill processing sites, heap leach pads, and waste disposal sites. The property is about a 45-minute drive from Princeton. The Town of Princeton, with a population of about 2,700, and servicing roughly 5,000 people, is a full-service community at the junction of Hwy 3 (the Crow's Nest Highway) and Highway 5a. The town has an available workforce for exploration and mining, and access to abundant electrical power. Mineralized concentrate could be transported by large trucks to the main highways.

At the time of writing, the Copper Mountain Corporation was planning to reopen the past producing Copper Mountain Mine in 2011 directly south of Princeton. If the mine reopens, some refinement capabilities may be available there.

Scale 1:10000000

100000 0 100000 200000 300000

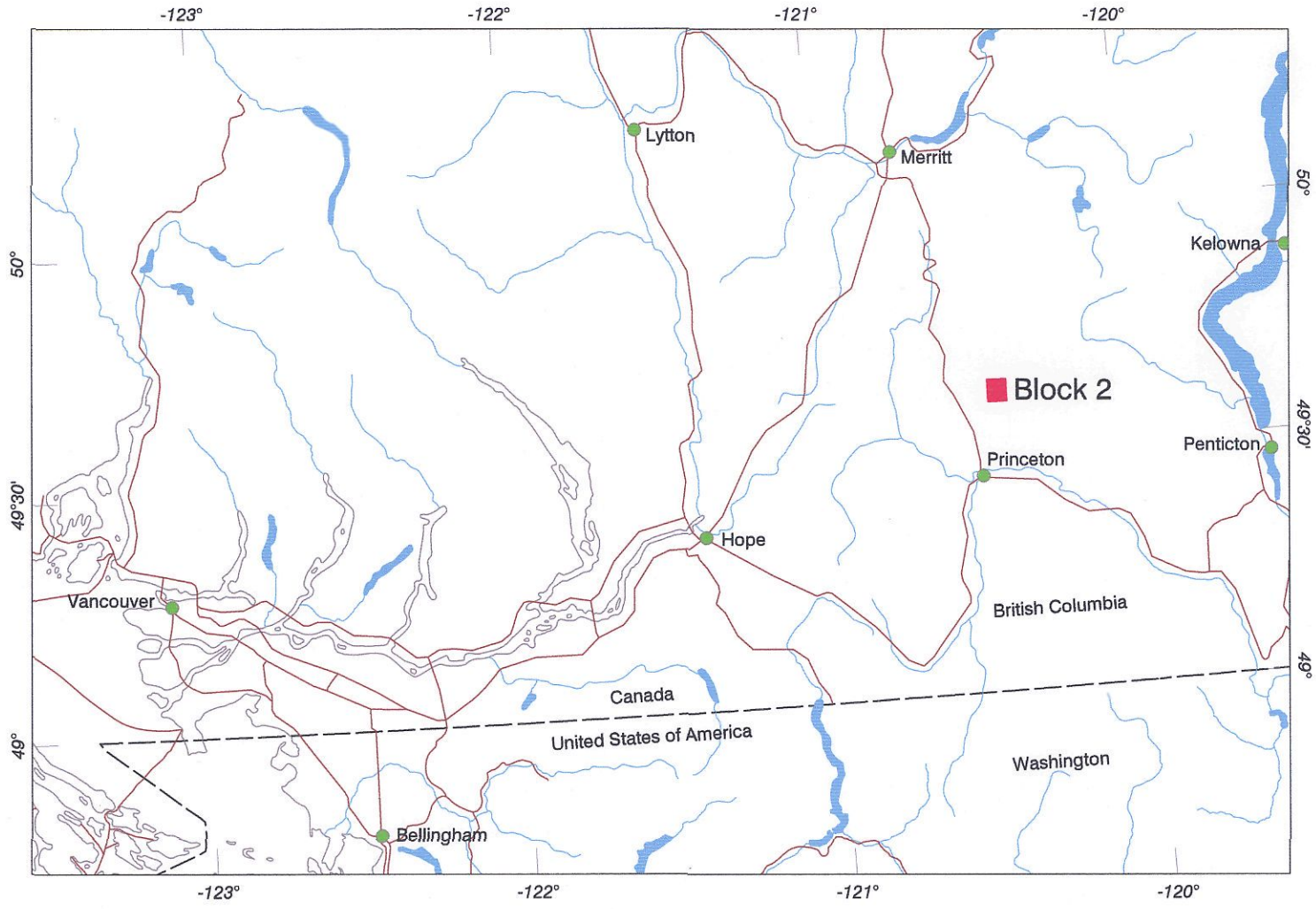
(metres)

*NAD83 / *PCS Albers*

Solitaire Minerals Corp.

Copper Mountain Project
Figure 1, Block 2 - Location Map

NTS 092H10
February 20, 2010



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25000 0 25000

(metres)

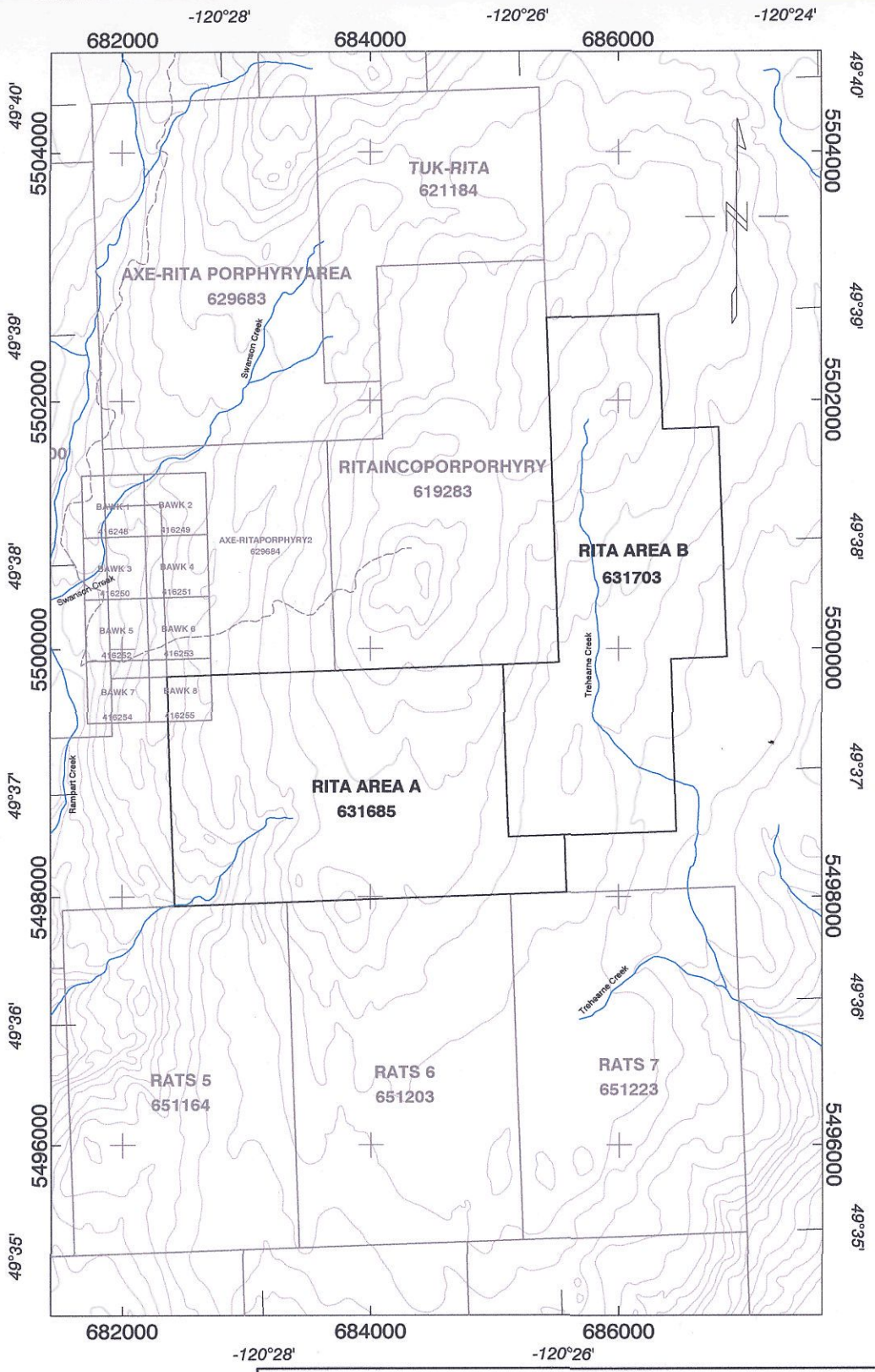
*NAD83 / *PCS Albers*

Solitaire Minerals Corp.

Copper Mountain Project
Figure 2, Block 2 - Regional Location Map

NTS 092H09
February 23, 2010

map by Stewart Basin Exploration



Scale 1:50000

500 0 500 1000

(metres)

NAD27 / UTM zone 10N

Solitaire Minerals Corp.

Copper Mountain Project
Figure 3, Block 2 - Claim Location Map

NTS: 092H10 Date: February 24, 2010

map by Stewart Basin Exploration

5.0 History

Exploration in the present Princeton area began in 1884. Mining of the Copper Mountain copper-gold-silver deposit south of Princeton began in 1923 by the Granby Consolidated Mining, Smelting and Power Company. A total of 31.5 million tonnes grading 1.08% copper were extracted up to 1957, mainly from underground operations, when the mine was shut down due to low copper prices. Granby's mineral interests were purchased in full by the Newmont Mining Corporation of Canada, which began mining the neighbouring Ingerbelle deposit in 1972. Development of the Copper Mountain side of the deposit commenced in 1979, with production continuing until 1985. In 1988, Similco Mines Ltd, which then owned the property, sold the mine to the Cassiar Mining Corporation, which mined the deposit until 1993 when it was shut down due to low copper prices. Mining of the Ingerbelle Pit and low grade stockpiles took place until 1995, and the mine was shut down indefinitely in 1996 (Copper Mountain Corporation website, 2010). The Copper Mountain Corporation acquired the property and commenced exploration by 2007, and is planning to enter production in 2011.

Little history is known of the actual Block 2 site, which contains no Minfile occurrences. Several Minfile occurrences are known in the vicinity, most notably the Rita prospect (Minfile No 092HNE235, also known as the Swan, Snow and Pine showing) roughly 0.6 km northwest of the west corner of Claim 631685. This showing, explored by the Canadian Nickel Co. in 1982 and Fairfield Minerals Ltd. in 1989 and 1990, consists of scattered exposures of copper mineralization in a 1,000 by 700-metre area hosted by Upper Triassic Nicola Group porphyritic volcanic flows. These occur along the west boundary of the middle to Upper Cretaceous Summers Creek pluton, and consist of fracture-controlled pyrite and minor chalcopyrite. Rock (grab?) sampling returned values to 0.209 percent copper with 0.05 g/t gold and 4.7 g/t silver; a separate sample of quartz vein material returned 0.441 percent zinc (B.C. Minfile, 2010).

The ER showing (Minfile no. 092HNE233, also called the Rita 1 showing), located about 1,100 metres north of the northern part of Claim 631703, consists of traces of disseminated molybdenite and chalcopyrite in porphyritic granodiorite of the Summers Creek pluton (B.C. Minfile, 2010).

The Dry Creek showing (Minfile no. 092HNE025, also called the Snow showing) consists of a shear zone hosting quartz veins with pyrite, galena, sphalerite and chalcopyrite in a shear zone extending through Nicola Group andesitic agglomerates just southwest of the Summers Creek pluton. The showing was explored by an adit in 1922. Quintana Minerals Corporation drilled three rotary holes nearby in 1968. In 1971 and 1972 the Texas Gulf Sulphur Co. and Iso Explorations Ltd. conducted geological, geophysical and geochemical surveying; Iso drilled three holes comprising 267 metres in 1972 (B.C. Minfile, 2010).

Roughly 300 metres to the northwest, the Coyne showing (Minfile No. 092HNE237, also called the Snow showing) consisted of copper-silver mineralization with minor gold hosted by Nicola Group bedded andesite tuffs, with minor dacite and interbedded siltstones. Geological mapping and soil sampling were conducted by the Texas Gulf Sulphur Company in 1971 and Iso Explorations in 1972; in 1981 and 1982 Cominco Ltd. remapped and sampled the showing. The

best value was 0.825 percent copper, 9.2 g/t silver and 0.088 g/t gold from a 1.0-metre chip sample (B.C. Minfile, 2010).

6.0 Geology

6.1 General Geology

The Copper Mountain properties of Solitaire Minerals are located within the Okanagan Sub-Terrane of the Quesnellia Terrane, an accreted terrane in the southern portion of the Intermontane Belt of the North American Cordillera. In the Princeton area, the Quesnellia Terrane is characterized by upper Triassic Nicola Group arc volcanics which were emplaced in an ancient north-south trending rift system extending from south of the Canada-U.S. border to a point roughly 160 km to the north. This system, bounded by major north-south extending faults, formed the depositional setting for Cretaceous and early Tertiary volcanism and associated sedimentation (B.C. Minfile, 2010).

Several regional-scale Mesozoic intrusive suites have been emplaced in the Okanagan Subterrane near this ancient rift system, most notably the upper Triassic – lower Jurassic Guichon Suite, the middle Jurassic Osprey Lake Suite and a mid-Cretaceous suite forming part of the western Coast Plutonic Complex, which includes the Summers Creek Pluton. Aerially extensive members of the lower Cretaceous Spence's Bridge Group volcanic cover areas north and east of Princeton. Eocene Princeton Group volcanic and coeval clastic sedimentary rocks underlie the town of Princeton and surrounding area (Wheeler and McFeely, Geological Survey of Canada, 1991).

More specifically, the Princeton area comprises the southern limit of a district-scale package of Nicola Volcanics extending northwards along the western boundary of the Omineca Terrane. Wheeler and McFeely (1991) describe the Nicola Volcanics as "calc-andesite, dacite and rhyolite subaerial flows, ignimbrites and minor limestone grading eastward to augite and feldspar porphyry; andesite and dacite flows and volcanic clastics grading eastward to alkaline augite porphyritic flows, trachybasalts and trachyandesites". Smaller north-south trending members occur somewhat to the east and south of Princeton.

A batholithic member of the upper Triassic – Jurassic Guichon Intrusive Suite extends east of the Nicola Volcanic package roughly 20 km to somewhat west of the village of Hedley. This is described as calc-alkaline hornblende-biotite granodiorite and quartz diorite with lesser biotite granite, quartz monzonite and leucogranodiorite, pyroxene-hornblende diorite and syenodiorite (Wheeler and McFeely, 1991). Smaller members of this suite occur south of Princeton, in the vicinity of the Copper Mountain deposit. The eastern and northern margins of the main batholith lie in contact with a much larger member of the Middle Jurassic Osprey Lake Intrusive Suite, consisting of granite, alkali-feldspar granite, granodiorite and quartz monzonite. Members of the mid-Cretaceous Coast Plutonic granitic suite, consisting of granite and alkali feldspar granite, underlie areas southeast of Princeton.

The Spence's Bridge Group rocks occur as two large units: one underlies an area north of Princeton; the other occurs as an east-west extending unit southeast of the town. Spence's Bridge Group rocks, designated as "South Fork transitional cauldron – subsidence and arc volcanics" by Wheeler and McFeely, consist of nonmarine calc-alkaline basaltic - andesite, andesite, latite, rhyodacite and rhyolite flows, pyroclastics, ignimbrites and epiclastic rocks, formed in calderas and fault troughs (Wheeler and McFeely, 1991).

The Eocene Princeton Group andesitic volcanic rocks occur directly east of the town of Princeton, along the west margin of the north-south trending package of Nicola Volcanics. The coeval Princeton Group sediments form the western margin of these and underlie the town itself, where they occur as bedded tan-coloured limonitic sandstones. This unit extends northward for roughly 14 kilometres.

6.2 Property Geology

The western and central portions of Block 2 are underlain by the middle to Upper Cretaceous Summers Creek Pluton granite to alkali feldspar granite, which has intruded middle Jurassic Osprey Suite alkali feldspar granites to the east, and upper Triassic Nicola Group basalts to andesites to the west (Map 1). Mapping by Solitaire in 2009 revealed that Summers Creek Pluton granites along the eastern pluton margin are locally quartz-eye porphyritic, display weak phyllic (sericitic) and argillic alteration and are weakly limonitic. The balance of the contacts of the Summers Creek Pluton is interpreted from the BCGS website.

The middle Jurassic Osprey Suite metagranite underlying the eastern and northern property areas is typically medium to coarse grained, massive and K-feldspar porphyritic. At least two dykes interpreted as members of the Summers Creek Pluton were identified in the southeast property area. The strongly jointed northern dyke is mapped as a monzonite with a similar alteration assemblage as the eastern margin of the Summers Creek pluton (Map 1). The southern dyke is mapped as biotite granite with aplite along joints.

The northwest corner of the property is underlain by a medium grained, fairly massive, locally jointed diorite, with blebby pyrite and trace amounts of chalcopyrite and magnetite. Weak to moderate joint-controlled epidote and chlorite occur throughout this unit. At least one narrow felsic dyke occurs within this unit. Although mapped as a member of the Summers Creek Pluton, this may represent a subvolcanic intrusive member of the Nicola Volcanics (Map 1).

Due to the massive nature of the lithological units, structural measurements other than jointing are rare. Two foliation measurements were taken from the middle Jurassic intrusive in the south-eastern property area. Both are northeast-southwest striking; one dips steeply to the southeast, the other has a vertical dip.

7.0 Deposit Types

The properties optioned by Solitaire Minerals, including "Block 2" were acquired to cover potential outlying mineralized zones of a large-scale porphyry-style system, centred on the Copper Mountain (Similco) copper-gold-silver deposit. This deposit type consists of bulk-tonnage-style copper – gold mineralization related to a feldspar +/- quartz porphyritic intrusive stock. Core areas consist of intrusive-hosted disseminated copper sulphides, largely chalcopyrite, commonly with accessory gold. Outbound from the stock, mineralization becomes progressively associated with quartz vein, stringer and stockwork infilling of fracture and breccia zones resulting from intrusion emplacement. Disseminated auriferous sulphide deposits are, however, also common in proximal country rock. A barren "pyrite halo" commonly occurs outside of the core mineralized area. Farther outbound from the central stock, a progression through lead-zinc-silver veins, bonanza veins and epithermal mineralization, including banded veins, typifies many porphyry systems, with potential for distal skarn and replacement-style mineralization in areas where hydrothermal fluids encounter reactive calcareous country rock.

The Nicola Volcanics in the Copper Mountain Deposit area are coeval with a suite of comagmatic high level plutons with several associated copper deposits, called the Copper Mountain Intrusions. These deposits include the Copper Mountain Deposit itself. A close relationship occurs between copper mineralization and Nicola magmatism (B.C. Minfile, 2010). Radiometric age dating places the age of the Copper Mountain Intrusions and associated mineralization as early Jurassic.

The "Block 2" property is located at a suitable distance to cover epithermal portions of the Copper Mountain mineralized system.

8.0 Mineralization

The only mineralization identified in rock occurs in the dioritic unit, where trace blebby and fracture-controlled pyrite and trace chalcopyrite and magnetite. No samples were taken.

Soil sampling traverses were done in western and eastern property areas. Sampling in the western area returned an anomalous gold (Au) value of 0.049 g/t with elevated lead (Pb) and zinc (Zn) values. Roughly 600 metres to the south-southwest a soil sample returned 502 ppm copper (Cu) with weakly elevated silver (Ag), cadmium (Cd) and Zn values. Anomalous Pb and Zn values were returned from all soil samples between these, and from those taken northeast of the anomalous gold sample (Map 5). One other soil sample towards the south-western property corner returned a value of 0.020 g/t Au.

Sampling in the north-eastern area returned weakly elevated copper and molybdenum (Mo) values to 102 ppm Cu and 9 ppm Mo respectively (Appendices 2a and b). Silt sampling of the upper reaches of Trehearne Creek returned consistently elevated Cu values from 90 to 142 ppm (Map 4), and Mo values from 7 to 11 ppm. Elevated lead values were returned from lower

portions of the creek. The only other noteworthy sample of 0.021 g/t Au was returned about 400 metres east of Trehearne Creek.

9.0 Work Program

The 2009 field program consisted of several soil sampling traverses including some roadside traverses in eastern and western property areas, with a 100-metre sample spacing. One stream silt sampling traverse, with a 250-metre station spacing, was conducted along Trehearne Creek. Geological mapping was done in eastern and northwestern areas. A total of 8 silt and 97 soil samples were taken, although 11 plot outside of the property boundary. Results are described in Section 8.0: Mineralization.

The following personnel were involved in the 2009 program:

Carl Schulze, BSc, PGeo: Project Geologist and Qualified Person
Michael Linley: Field Technician
Patricio Dagnino: Field Technician

All were employed by All-Terrane Mineral Exploration Services, under contract with Solitaire Minerals.

10.0 Sampling Method and Approach

All geochemical sampling was subject to rigorous parameters, including detailed descriptions of each sample. Soil samples were recorded as to location (UTM – NAD 27C), horizon, depth, slope angle, colour, presence of permafrost, vegetation type, surficial geology, fragment lithology (if known), percent organics, date, sampler and comments (Appendix 2a). If a particular parameter could not be determined, particularly for fragment lithology, no record was made. Samples were preferably taken of B-horizon material, although sampling of A or C horizon soil was done where B-horizon material was unavailable. This was preferable to omitting the sample. The minimum original sample weight was 0.25 kg. Sample numbers supplied by ALS Chemex Labs were scratched onto a small metal "butter tag" and tied on to the station picket. Samples were placed in kraft bags, with a tag supplied by ALS Chemex showing the unique sample number placed in the bag, and the sample number written in "Magic Marker" on both sides of the bag. The bags were then dried as much as possible before shipping.

Variability in results of soil sampling may be caused by depth of overburden, slope angle, and outcrop exposure, with lower values expected in flat areas with thick overburden. Gold ions are less mobile also; thus samples with high copper-gold ratios may reflect transport distance rather than low bedrock gold values.

Silt samples were taken from several locations at a particular site to improve representability, focusing on fine material. Sample locations in UTM NAD-27C format were recorded in the field using a non-differential GPS and described as to percent fines, colour, stream grade and width, date, sampler and comments (Appendix 2b). Samples were placed in kraft bags with a sample tag showing unique sample number, labeled and marked in the field in the same manner as soil samples. All samples were taken in order to provide accurate representation of mineralization present.

Field data was entered into Microsoft Excel spreadsheet format, and later matched with analytical results. This process was continually re-checked to ensure correct results are associated with descriptions.

The routine and repetitive methodology of soil and silt sampling should eliminate any chance of bias; metal values should accurately represent actual amounts per site. Soil anomalies may be transported, depending on slope and groundwater conditions; detailed records of slope, vegetation, soil conditions are used to determine probability of transportation.

11.0 Sample Preparation, Analysis and Security

Soil and silt samples were screened to 180-micron size (minus-80 mesh); the fine fraction then underwent gold analysis by 30-gram fire assay with ICP – AES finish, providing a detection limit of 0.005 g/t. Individual samples were placed in "kraft bags" and also sealed with a "Zap Strap"; samples were placed in properly labeled rice bags, also sealed with a "Zap Strap". The bags were shipped to ALS Chemex of North Vancouver, B.C., an analytical laboratory with ISO 9001:2000 certification. Sealed rice bags were personally handed to the courier, Greyhound Bus Lines, by the qualified person, and were delivered by the courier directly to ALS Chemex.

All samples were also analyzed by 35-element ICP to test for abundances of Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W and Zn.

ALS Chemex provides comprehensive in-house quality-control, using numerous blanks to test for any potential contamination, confirming that no detectable contamination has occurred. ALS Chemex also conducts repeated in-house standard sampling for all 35 elements involved in ICP analysis and gold to determine accuracy of analysis. The lab also incorporates more limited analysis of standard samples with known element concentrations provided by several outside firms.

12.0 Data Verification

The 2009 program consisted of "grass-roots" style exploration, with no previous data available for comparison. However, the consistently anomalous zinc values in the northwestern property corner, together with the strongly anomalous Cu and moderately anomalous Au value, correspond to a lead-zinc showing to the west and a copper-silver prospect to the northwest.

13.0 Discussion and Conclusions

13.1 Discussions

All soil anomalies, as well as Minfile occurrences, are spatially associated with the middle to Upper Cretaceous Summers Creek Pluton. In the western area, anomalous Pb-Zn +/- Cu and Au in soil occur about 2.0 kilometres northeast of the Dry Creek lead-zinc-copper showing. The showing is hosted by mineralized quartz veins in a shear zone, associated with strong silicification and argillic alteration, within Nicola Volcanics about 60 metres southwest of the pluton margin. The alteration assemblage suggests a mesothermal hydrothermal mineralizing environment. The Coyne copper-silver-gold showing, occurring about 300 metres to the west of this, is associated with calcite and secondary orthoclase. This suggests a lower temperature, more epithermal mineralizing environment that is typical of more outbound areas from an intrusive margin. The Rita prospect northwest of the 2009 soil anomaly is also hosted by Nicola Volcanics along the pluton's west margin. The volcanics are weakly hornfelsed, with epidote, chlorite, actinolite, biotite and carbonate alteration, a typical exoskarn assemblage. The fracture-controlled mineralization reported in Minfile summaries suggests a distal hydrothermal environment.

The lead-zinc soil anomaly may reflect either a local bedrock source or a glacially transported source. The former is more likely, as the latter, with an interpreted transport distance of about 2.0 metres would suggest a much larger source than that reported in the Minfile synopsis of the Dry Creek showing. If the latter is true, the Dry Creek vicinity may provide a viable exploration target.

The anomalous copper and weakly anomalous molybdenum values from silt sampling along Trehearne Creek occur about 1.6 km east of the ER (Rita 1) showing, which consists of traces of molybdenite and chalcopyrite within porphyritic granodiorite of the Summers Creek pluton (B.C. Minfile, 2010). The middle Jurassic K-feldspar porphyritic intrusive rocks flanking the stream are massive with no mineralization noted; the source of the anomalies is glacially transported weakly mineralized material from the Summers Creek pluton. Year-2009 mapping of the Summers Creek Pluton along the lower reaches of the creek revealed local quartz porphyritic sections with weak limonite staining, argillic and phyllic alteration. Disseminated chalcopyrite and molybdenite are common minerals in porphyry-style deposits.

The Summers Creek Pluton appears to be associated with moderate marginal hydromagmatic activity, resulting in base metal and copper-silver-gold mineralization associated with structural zones and silicification and argillic alteration. This suggests the stock formed from a melt moderately enriched in hydrothermal fluids, with moderate metal content and possibly some pneumatolytic "volatiles". Alteration and mineralization precipitated from this will be most pronounced along or directly outbound of pluton margins. However, the small size of showings known to date suggests this was not a large, high-energy mineralizing system, limiting (although not eliminating) the potential for economically viable deposits.

The highest potential for mineralization occurs in the north-western property area, proximal and to the west of the lead-zinc soil anomaly. Potential settings are vein and stockwork-hosted lead-zinc-silver mineralization, and base metal skarn occurrences.

The pluton-hosted chalcopyrite and molybdenite may represent weak endoskarn mineralization. Potential for the Summers Creek stock to represent the core of a weakly developed porphyry system is low, as the stock is considerably larger than most intrusive centres, and the stock lacks the texture of most porphyry systems. It is also of mid to late Cretaceous age, and clearly not a member of the late Triassic – early Jurassic Copper Mountain Intrusions, the host suite of the Copper Mountain deposit.

13.2 Conclusions

The following conclusions can be made from the 2009 program, combined with earlier information contained in the B.C. Minfile:

- The Summers Creek Pluton likely formed from a melt somewhat enriched in metal-bearing hydrothermal fluids and pneumatolytic "volatiles". During magma cooling and solidification, these fluids moved towards marginal areas of the stock and immediate adjacent areas in the host Nicola Volcanics, forming base metal and copper-silver gold occurrences.

- Mineral showings in the Block 2 area originated from the Summers Creek stock, rather than the Copper Mountain stock. No typical epithermal-style mineralization has been identified or reported on to date.

- The rather small showings suggest this was not a large, high-energy mineralizing system, lowering (but not eliminating) potential for potentially economic deposits.

- The geochemical signature of the base metal soil anomaly in the northwestern area correlates well with the Dry Creek showing about 2.0 kilometres to the southwest. This suggests either a local source similar to the Dry Creek showing, or a transported anomaly originating from it. The former is somewhat more likely.

- The weakly anomalous copper-molybdenum values from silt sampling in Trehearne Creek in the eastern property area likely originated from small occurrences of Cu-Mo mineralization within the Summers Creek stock, and thus represent a transported anomaly.

- The late Cretaceous stock is not a member of the late Triassic-early Jurassic Copper Mountain Intrusions which host the Copper Mountain deposit, eliminating the potential for another deposit of the same suite.

14.0 Recommendations

14.1 Recommendations

A three-day program (excluding travel and one rain/wrap-up day) of geological mapping, rock, stream silt and systematic soil sampling is recommended for the northwestern portion of the property hosting the moderate lead-zinc-soil anomalies identified in 2009. Soil sampling would be done along east – west oriented compassed and flagged lines at a 200-metre line spacing and 100-metre sample spacing. Lines are recommended to extend 1.2 kilometres eastward from the west property boundary; coverage should extend southward from the north property boundary. A two person crew consisting of a geologist and a field technician, based at motel facilities in Princeton, is recommended.

Projected expenditures for a six-day program, including one weather day and two travel days, digitization and report writing, stand at CDN$16,820; with a 15% contingency, projected expenses stand at CDN$19,343. Expenses could be reduced somewhat if this program is done in conjunction with those of the other blocks comprising Solitaire Minerals' Copper Mountain Project.

No further work is recommended elsewhere on the property.

14.2 Recommended Budget

Assumes: Personnel originate in Vancouver

Personnel: Geologist: 7 days @ $640/day:		$ 4,480
Personnel: Technician: 6 days @ $375/day:		$ 2,250
Truck rental: 6 days @ $150/day:		$ 900
Fuel:		$ 160
Per Diems: 8 person-days @ $75/day:		$ 600
Travel expenses and meals:		$ 250
Field office supplies:		$ 120
Field supplies:		$ 150
Rock sampling: 15 samples @ $35/sample:		$ 525
Soil/ Silt samples 105 samples @ $32/sample:		$ 3,360
Shipping:		$ 120
Accommodations: 5 nights @ $120/night:		$ 600
Hand-held radio rental: 3 days @ $15/day:		$ 45
	Field Total:	**$ 13,560**
Digitization:		$ 700
Report Writing:		$ 2,560
	Sub-Total:	**$ 16,820**
	15% Contingency:	**$ 2,523**
	Proposed Total:	**$ 19,343**

15.0 References

BCGS, 2009: Geological Website, British Columbia Geological Service

B.C. Minfile, 2010: MINFILE Mineral Inventory, Ministry of Energy, Mines and Petroleum Resources, Government of British Columbia

Copper Mountain Corporation, 2010: Official website, Copper Mountain Corporation, 2010.

Solitaire Minerals Corporation, 2009: News Release, September 17, 2009, Website, Solitaire Minerals Corporation.

Wheeler, J.D. and McFeely, P. 1991: Tectonic Assemblage Map of the Canadian Cordillera and adjacent parts of the United States of America. Geological Survey of Canada, Map 1712A.

Appendix 1a. Certificate of Author

I, Carl M. Schulze, PGeo, hereby certify that:

1) I am a self-employed Consulting Geologist and sole proprietor of:
All-Terrane Mineral Exploration Services
35 Dawson Rd
Whitehorse, Yukon Y1A 5T6

2) I graduated with a Bachelor of Science Degree in geology from Lakehead University, Thunder Bay, Ontario, in 1984.

3) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).

4) I have worked as a geologist for a total of 26 years since my graduation from Lakehead University.

5) I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6) I am responsible for preparation of all sections of the technical report titled "Assessment Report on Geological and Geochemical Surveys On "Block 2" Copper Mountain Project, Solitaire Minerals Inc." on the entire property area comprising the Block 2 property. I was active on-site during the entire program of roughly 5 days equivalent, intermittently from October 8 to 28, 2009.

7) I have not had prior involvement with the properties that are the subject of the Technical Report prior to October, 2009.

8) As of the date of the certificate, to the best of my knowledge, information and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.

9) I am independent of the issuers applying all of the tests in section 1.4 of National Instrument 43-101.

10) I have read National Instrument 43-101 and Form 43-101F1, however this is an Assessment Report and has not been prepared entirely in compliance with that instrument and form.

11) I consent to the public filing of the Assessment Report with the British Columbia Mining Recorder, Mines Branch, Ministry of Energy, Mines and Petroleum Resources, Government of British Columbia.

12) The effective date of this report is Jan 15, 2010.

Dated this 23rd Day of February, 2010

"Carl Schulze"

Carl Schulze, BSc, PGeo
Address: 35 Dawson Rd
Whitehorse, Yukon Y1A 5T6
Telephone: 867-633-4807
Fax: 867-633-4883
E-mail: allterrane@northwestel.net

Appendix 1b, Expenditures Filed for Assessment, Block 2

Type of Work	No. of Units	Value/Unit	Value
Geological Mapping	4.0	$640/day	$2,560.00
Soil sampling: Tech 1	4.0	$375/day	$1,500.00
Soil sampling: Tech 2	4.0	$312.50/day	$1,250.00
Other staff	0.5	$500/day	$250.00
Truck Rental	4	$145.71/day	$582.84
Fuel, Commuting			$60.00
Per Diems	12	$65/day	$780.00
Field supplies			$45.00
Rock samples			
Soil/silt samples	94	$32/sample	$3,008.00
Shipping	94	$1/sample	$94.00
Accommodation	12	$50/night	$600.00
Hand-held Radio rental	4	20/day	$80.00
Digitizing			$900.00
Report writing	4	$640/day	$3,840.00
		Total:	**$15,549.84**

Appendix 2: Sample Descriptions

Appendix 2a: Soil Sample Descriptions
Appendix 2b: Silt Sample Descriptions

APPENDIX 2a

SOIL SAMPLE DESCRIPTION SHEET
Block 2, Copper Mountain Project
October, 2009 Program.
Solitaire Minerals Inc.

Sample No.	Easting	Northing	Traverse	Horizon	Depth	Slope	Colour	% Coarse	Vegetation	Surficial	Fragment	% Organics	Date	Sampler	Comments
	UTM-NAD 27-C	UTM-NAD 27-C	(Station)		(cm)	Angle		Fragments		Geology	Lithology				
SE005290	685944	5499657		B	15	FLAT	LT.BRN	2				5	16/10/09	M.L.	
SE005291	685913	5499527		B	15	FLAT	BRN	5				10	16/10/09	M.L.	
SE005292	685910	5499427		B	20	FLAT	LT.BRN	5				10	16/10/09	M.L.	
SE005293	685934	5499330		B	15	FLAT	LT.BRN	5				5	16/10/09	M.L.	
SE005294	685946	5499231		B	10	FLAT	LT.BRN	5				10	16/10/09	M.L.	
SE005295	685959	5499130		B	20	FLAT	OR/LT.BRN	2				10	16/10/09	M.L.	
SE005296	685985	5499026		B	25	FLAT	OR/LT.BRN	2				10	16/10/09	M.L.	
SE005297	685971	5498918		B	15	FLAT	LT.BRN	2				5	16/10/09	M.L.	
SE005298	685906	5498839		B	15	FLAT	LT.BRN	2				10	16/10/09	M.L.	
SE005299	685862	5498750		B	15	FLAT	LT.BRN	5				5	16/10/09	M.L.	
SE005300	685793	5498669		B	15	FLAT	LT.BRN	5				5	16/10/09	M.L.	
SE005322	685443	5500017		B	25	FLAT	BRN	15	CF			20	16/10/09	P.D	Lots of rocks and roots in soil
SE005323	685451	5499918		B	20	GENTLE	LT.BRN	10	CF			15	16/10/09	P.D	Lots of rocks and roots in soil
SE005324	685479	5499822		B	25	FLAT	LT.BRN	5	CF			10	16/10/09	P.D	Clay like
SE005325	685506	5499725		B	30	GENTLE	BRN	5	CF			15	16/10/09	P.D	
SE005326	685514	5499627		AB	10	GENTLE	D.BRN	10	CF			0	16/10/09	P.D	Roots in soil
SE005327	*685548*	*5499531*		*B*	35	*GENTLE*	*OR.BRN*	10	*CF*			5	*16/10/09*	*P.D*	
SE005328	685642	5500388		B	20	FLAT	LT.BRN	10	CF	TILL		15	18/10/09	P.D/C.S	Cut over. Small depression
SE005329	685650	5500493		B	20	FLAT	TAN	10	CF	TILL	GR	10	18/10/09	P.D/C.S	small knoll
SE005330	685663	5500594		B	20	FLAT	TAN	15	CF	TILL	GR	15	18/10/09	P.D/C.S	small depression
SE005331	685663	5500696		B	20	RL	LT.BRN	15	CF	TILL	GR	5	18/10/09	P.D/C.S	possible small movaine/esker?
SE005332	685670	5500802		B	25	RL	TAN	15	MIXED	TILL	GR	10	18/10/09	P.D/C.S	small knoll
SE005333	685669	5500902		B	15	FLAT	TAN	5	CF	TILL	GR	15	18/10/09	P.D/C.S	small depression-stony
SE005334	685676	5501005		AB	30	FLAT	LT.BRN	15	MIXED VE	BOG		25	18/10/09	P.D/C.S	bog mixed with till
SE005335	685688	5501110		B	20	GENTLE	LT.BRN	5	CF	TILL		5	18/10/09	P.D/C.S	
SE005336	685692	5501205		B	35	GENTLE	GREY	10	MV	TILL		10	18/10/09	P.D/C.S	possible leached horizon
SE005337	685698	5501307		B	20	MOD	TAN-BRN	15	MV	TILL		5	18/10/09	P.D/C.S	sidehill to W
SE005338	685707	5501408		B	15	GENTLE	BRN	<5	MV	TILL		10	18/10/09	P.D/C.S	sidehill to W
SE005339	685718	5501507		B	30	MOD	TAN	5	CF	S/C		5	18/10/09	P.D/C.S	O/C just to N – granite
SE005340	685720	5501606		B	30	MOD	TAN.GREY	5	CF	S/C		<5	18/10/09	P.D/C.S	W side of small hill

APPENDIX 2a

SOIL SAMPLE RESULTS SHEET
Block 2, Copper Mountain Project
October, 2009 Program.
Solitaire Minerals Inc.

	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
SE 005290	<0.005	0.3	2.27	<2	<10	80	0.5	<2	0.17	<0.5	5	9	13	1.72	10	<1	0.03	10
SE 005291	0.005	<0.2	2	<2	<10	60	<0.5	<2	0.13	<0.5	5	9	12	1.65	10	<1	0.02	<10
SE 005292	<0.005	<0.2	1.36	<2	<10	70	<0.5	<2	0.17	<0.5	4	6	8	1.37	<10	<1	0.03	<10
SE 005293	<0.005	0.5	1.51	<2	<10	80	<0.5	<2	0.17	<0.5	4	9	16	1.55	<10	<1	0.03	<10
SE 005294	<0.005	<0.2	1.45	3	<10	80	<0.5	<2	0.2	<0.5	4	10	12	1.63	<10	<1	0.03	10
SE 005295	<0.005	<0.2	1.7	3	<10	80	<0.5	<2	0.18	<0.5	5	11	21	1.79	<10	<1	0.03	10
SE 005296	<0.005	0.2	1.73	<2	<10	100	<0.5	<2	0.24	<0.5	6	16	29	1.92	10	<1	0.05	10
SE 005297	<0.005	<0.2	1.36	2	<10	70	<0.5	<2	0.18	<0.5	4	13	17	1.78	<10	<1	0.03	<10
SE 005298	0.008	<0.2	1.17	<2	<10	90	<0.5	<2	0.31	<0.5	4	13	20	1.58	<10	<1	0.05	10
SE 005299	<0.005	0.3	1.58	<2	<10	80	<0.5	<2	0.16	<0.5	4	9	15	1.75	10	<1	0.03	10
SE 005300	<0.005	<0.2	1.26	<2	<10	100	<0.5	<2	0.16	<0.5	5	11	12	1.91	<10	<1	0.03	10
SE 005322	<0.005	0.2	1.36	2	<10	110	<0.5	<2	0.28	<0.5	4	11	17	1.95	<10	<1	0.04	10
SE 005323	<0.005	<0.2	1.15	<2	<10	60	<0.5	<2	0.23	<0.5	4	8	17	1.46	<10	<1	0.03	10
SE 005324	<0.005	<0.2	0.88	<2	<10	50	<0.5	<2	0.23	<0.5	2	8	10	1.21	<10	<1	0.03	<10
SE 005325	<0.005	<0.2	1.14	2	<10	70	<0.5	<2	0.2	<0.5	3	10	14	1.82	<10	<1	0.03	10
SE 005326	<0.005	0.2	2.85	<2	<10	160	1.1	<2	0.5	<0.5	4	17	57	2.14	10	<1	0.06	40
SE 005327	*0.011*	*<0.2*	*1.24*	*<2*	*<10*	*70*	*<0.5*	*<2*	*0.2*	*<0.5*	*4*	*10*	*14*	*1.79*	*<10*	*<1*	*0.03*	*10*
SE 005328	<0.005	<0.2	1.56	3	<10	90	<0.5	<2	0.28	<0.5	3	11	20	1.88	<10	<1	0.04	10
SE 005329	<0.005	<0.2	1.64	3	<10	70	<0.5	<2	0.13	<0.5	4	9	9	1.97	10	<1	0.03	<10
SE 005330	<0.005	<0.2	1.94	2	<10	100	<0.5	<2	0.19	<0.5	4	12	23	2.01	10	<1	0.04	10
SE 005331	<0.005	<0.2	0.99	2	<10	50	<0.5	<2	0.16	<0.5	4	13	16	2.08	<10	<1	0.03	10
SE 005332	<0.005	<0.2	1.5	2	<10	80	<0.5	<2	0.17	<0.5	5	10	14	1.8	<10	<1	0.03	<10
SE 005333	<0.005	<0.2	1.66	<2	<10	70	<0.5	<2	0.16	<0.5	5	13	14	2.03	<10	<1	0.03	<10
SE 005334	0.011	0.4	2.57	2	<10	160	1.2	<2	0.52	<0.5	7	23	102	2.95	10	<1	0.09	40
SE 005335	<0.005	0.2	1.21	<2	<10	80	<0.5	<2	0.17	<0.5	4	12	13	1.86	<10	<1	0.02	<10
SE 005336	0.005	0.2	1.36	<2	<10	110	0.5	2	0.29	<0.5	5	14	41	2.03	<10	<1	0.05	20
SE 005337	0.005	0.2	1.35	<2	<10	110	<0.5	<2	0.21	<0.5	5	13	15	2.03	<10	<1	0.03	<10
SE 005338	<0.005	<0.2	1.85	4	<10	140	0.5	2	0.22	<0.5	5	10	40	1.87	10	<1	0.06	10
SE 005339	<0.005	<0.2	1.4	<2	<10	80	<0.5	2	0.18	<0.5	3	9	17	1.83	<10	<1	0.03	10
SE 005340	<0.005	<0.2	0.9	<2	<10	50	<0.5	<2	0.13	<0.5	3	8	7	1.56	<10	<1	0.02	<10

APPENDIX 2a

SOIL SAMPLE RESULTS SHEET
Block 2, Copper Mountain Project
October, 2009 Program.
Solitaire Minerals Inc.

	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
DESCRIPTION	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
SE 005290	0.15	555	1	0.01	5	1160	7	0.02	<2	2	14	<20	0.1	<10	<10	38	<10	95
SE 005291	0.13	299	1	0.01	6	1060	8	0.01	<2	1	13	<20	0.09	<10	<10	37	<10	61
SE 005292	0.09	510	1	0.02	3	1270	4	0.01	<2	1	14	<20	0.09	<10	<10	31	10	48
SE 005293	0.14	202	1	0.01	6	1310	7	0.01	<2	1	14	<20	0.08	<10	<10	35	<10	69
SE 005294	0.14	267	3	0.01	7	860	10	0.01	<2	1	16	<20	0.08	<10	<10	38	<10	60
SE 005295	0.14	216	1	0.01	7	1350	6	0.01	<2	2	16	<20	0.08	<10	<10	43	<10	40
SE 005296	0.24	205	1	0.01	10	790	5	0.01	<2	2	20	<20	0.09	<10	<10	52	<10	40
SE 005297	0.16	176	1	0.01	7	630	4	0.01	<2	1	16	<20	0.08	<10	<10	48	<10	30
SE 005298	0.23	256	1	0.02	6	200	9	0.01	<2	2	22	<20	0.08	<10	<10	41	<10	39
SE 005299	0.14	233	1	0.01	6	980	7	0.01	<2	2	15	<20	0.09	<10	<10	41	<10	43
SE 005300	0.18	445	2	0.01	4	1070	11	0.01	<2	1	14	<20	0.06	<10	<10	42	<10	83
SE 005322	0.15	121	<1	0.02	6	450	39	0.01	<2	2	28	<20	0.07	<10	<10	45	<10	89
SE 005323	0.15	161	<1	0.02	5	220	12	<0.01	2	1	22	<20	0.08	<10	<10	36	<10	28
SE 005324	0.13	86	<1	0.02	3	70	10	<0.01	2	1	21	<20	0.07	<10	<10	28	<10	19
SE 005325	0.12	106	<1	0.02	5	810	11	<0.01	<2	1	19	<20	0.08	<10	<10	44	<10	32
SE 005326	0.26	247	1	0.03	9	250	24	0.01	<2	6	47	<20	0.1	<10	20	32	<10	59
SE 005327	0.14	117	<1	0.02	5	790	9	<0.01	<2	2	18	<20	0.08	<10	<10	45	<10	31
SE 005328	0.16	167	2	0.02	7	410	9	0.01	<2	1	21	<20	0.08	<10	<10	41	<10	62
SE 005329	0.13	346	2	0.02	7	1090	8	0.01	<2	1	12	<20	0.09	<10	<10	44	<10	59
SE 005330	0.13	139	3	0.02	7	1150	10	0.02	<2	1	15	<20	0.09	<10	<10	42	<10	55
SE 005331	0.16	182	1	0.02	6	810	5	0.01	<2	1	12	<20	0.07	<10	<10	50	<10	37
SE 005332	0.15	171	1	0.02	6	1180	8	0.01	<2	1	14	<20	0.08	<10	<10	40	<10	58
SE 005333	0.17	338	1	0.02	6	1280	7	0.01	<2	1	12	<20	0.09	<10	<10	46	<10	59
SE 005334	0.38	673	5	0.03	13	350	14	0.02	<2	6	36	<20	0.1	<10	20	60	<10	75
SE 005335	0.15	290	1	0.02	6	1070	5	0.01	<2	1	14	<20	0.07	<10	<10	44	<10	49
SE 005336	0.25	309	4	0.03	9	180	8	0.01	<2	2	20	<20	0.08	<10	10	46	<10	59
SE 005337	0.18	300	2	0.02	7	1080	6	0.01	<2	1	16	<20	0.09	<10	<10	47	<10	77
SE 005338	0.17	298	2	0.02	8	620	6	0.01	<2	1	18	<20	0.08	<10	<10	39	<10	66
SE 005339	0.14	358	1	0.02	5	1030	5	0.01	<2	1	16	<20	0.09	<10	<10	40	<10	59
SE 005340	0.12	154	<1	0.02	4	550	3	<0.01	<2	1	10	<20	0.06	<10	<10	35	<10	25

SE005341	685722	5501707		B	20	FLAT	LT.BRN	10	MV	TILL		10	18/10/09	P.D/C.S	O/C = 35m W-granite
SE005342	685715	5501807		B	30	FLAT	BRN	10	MV	TILL		10	18/10/09	P.D/C.S	small valley
SE005343	685721	5501907		B	20	GENTLE	TAN	0	CF	S/C		0	18/10/09	P.D/C.S	cear scrup nearby.
SE005344	685730	5502006		B	25	MOD	BRN	15	CF	TILL	MXD	5	18/10/09	P.D/C.S	
SE005345	685747	5502106		B	20	MOD	LT.BRN	5	CF	TILL		15	18/10/09	P.D/C.S	Becomes white w. Depth
SE005346	685748	5502203		B	30	MOD	TAN	5	MV	TILL		10	18/10/09	P.D/C.S	sidehill to W
SE005347	685748	5502303		B	25	STEEP	BRN	<5	MV	S/C		5	18/10/09	P.D/C.S	Large O/C to W
SE005401	685695	5498630		B	10	FLAT	LT.BRN	5				5	16/10/09	M.L.	
SE005402	685611	5498574		B	15	FLAT	LT.BRN	5				5	16/10/09	M.L.	
SE005403	685530	5498813		B	15	FLAT	WHITE	5				5	16/10/09	M.L.	
SE005404	686709	5500804		B	15	FLAT	BRN/OR	5				10	16/10/09	M.L.	
SE005405	686634	5500732		B	15	FLAT	WHITE/LT.	5				5	16/10/09	M.L.	
SE005406	686556	5500653		B	20		WHITE	5	CF			5	18/10/09	M.L.	
SE005407	686499	5500574		B	15		LT.BRN	5	CF			5	18/10/09	M.L.	
SE005408	686447	5500490		B	15		BRN	5	CF			5	18/10/09	M.L.	
SE005409	686392	5500414		B	15		LT.BRN	5				5	18/10/09	M.L.	
SE005410	686305	5500353		B	15		BRN	5				5	18/10/09	M.L.	
SE005411	686255	5500271		B	20		OR.BRN	5				5	18/10/09	M.L.	GOS
SE005412	686213	5500182		B	30		LT.BRN	5				5	18/10/09	M.L.	
SE005413	686152	5500101		B	20		BRN	5				5	18/10/09	M.L.	
SE005414	686108	5500007		B	30		BRN	5				5	18/10/09	M.L.	
SE005415	686068	5499918		B	25		ORANGE	5				5	18/10/09	M.L.	
SE005416	686005	5499835		B	20		ORANGE	5				10	18/10/09	M.L.	
SE005417	685968	5499741		B	20		ORANGE	5				10	18/10/09	M.L.	
SE005418	685482	5499416		B	15		OR.BRN	5				10	18/10/09	M.L.	
SE005419	685473	5499316		B	10		ORANGE	5				5	18/10/09	M.L.	
SE005420	685443	5499217		B	20		OR.BRN	5				5	18/10/09	M.L.	
SE005421	685422	5499115		B	20		OR.BRN	5				5	18/10/09	M.L.	Off block
SE005422	685412	5498011		B	15		OR.BRN	5				5	18/10/09	M.L.	Off block
SE005423	685340	5497955		B	20		OR.BRN	5				5	18/10/09	M.L.	Off block
SE005424	685282	5497869		B	20		BRN	5				10	18/10/09	M.L.	Off block
SE005425	685226	5497781		B	15		BRN	5				10	18/10/09	M.L.	Off block
SE005426	685186	5497688		B	15		BRN	5				5	18/10/09	M.L.	Off block
SE005427	683811	5498210		B	15		ORANGE	5				5	18/10/09	M.L.	On block/ clearcut
SE005428	683863	5498294		B	15		BRN	5				5	18/10/09	M.L.	Woods
SE005429	683832	5498392		B	15		BRN		Deciduous			15	18/10/09	M.L.	Woods old bog
SE005430	683789	5498485		B	20		OR.BRN		Deciduous				18/10/09	M.L.	Woods old bog
SE005431	683719	5498558		B	25		BRN	5	MIXED			10	18/10/09	M.L.	
SE005432	683646	5498625		B	25		BRN		CF			10	18/10/09	M.L.	Woods old bog
SE005433	683546	5498634		AB	30		D.BRN	5	CF			60	18/10/09	M.L.	Woods old bog
SE005434	683455	5498662		B	30	5	BRN		CF			5	18/10/09	M.L.	
SE005435	683353	5498644		B	20	5	BRN	5	CF			5	18/10/09	M.L.	
SE005436	683268	5498704		B	25	10	BRN	5	CF			5	18/10/09	M.L.	
SE005437	683161	5498703		B	20	5	BRN	5	CF			5	18/10/09	M.L.	
SE005592	683317	5500036		B	20	MOD	BRN	25	CF	TILL		5	24/10/09	P.D/M.L	
SE005593	683276	5499936		B	20	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	

SE 005341	<0.005	<0.2	1.12	3	<10	60	<0.5	<2	0.21	<0.5	3	10	10	1.73	<10	<1	0.03	<10
SE 005342	<0.005	<0.2	1.81	2	<10	110	0.7	2	0.53	<0.5	4	14	33	2.16	10	<1	0.04	20
SE 005343	<0.005	<0.2	1.62	<2	<10	60	<0.5	2	0.15	<0.5	5	13	14	2.03	10	<1	0.03	<10
SE 005344	<0.005	<0.2	1.15	2	<10	100	<0.5	<2	0.21	<0.5	5	16	15	2.13	<10	<1	0.03	10
SE 005345	<0.005	<0.2	1.01	<2	<10	90	<0.5	<2	0.24	<0.5	4	14	12	1.82	<10	<1	0.06	10
SE 005346	<0.005	<0.2	1.32	2	<10	110	<0.5	<2	0.21	<0.5	4	12	13	1.86	<10	<1	0.04	10
SE 005347	<0.005	<0.2	1.01	<2	<10	80	<0.5	<2	0.26	<0.5	3	10	12	1.69	<10	<1	0.04	10
SE 005401	<0.005	0.2	1.91	<2	<10	90	0.5	<2	0.15	<0.5	4	9	13	1.7	10	<1	0.03	10
SE 005402	<0.005	0.2	1.17	2	<10	90	<0.5	<2	0.22	<0.5	3	11	17	1.66	<10	<1	0.03	10
SE 005403	<0.005	<0.2	1.15	<2	<10	70	<0.5	<2	0.23	<0.5	4	8	17	1.44	<10	<1	0.03	10
SE 005404	<0.005	0.2	1.61	<2	<10	110	0.5	<2	0.39	<0.5	5	21	50	2.27	10	<1	0.06	20
SE 005405	0.008	<0.2	1.25	2	<10	80	<0.5	<2	0.26	<0.5	3	15	19	1.67	<10	<1	0.05	10
SE 005406	<0.005	0.2	1.17	<2	<10	90	<0.5	<2	0.28	<0.5	4	17	19	1.82	<10	<1	0.05	10
SE 005407	<0.005	0.2	1.67	<2	<10	110	<0.5	<2	0.2	<0.5	4	17	27	1.94	<10	<1	0.06	<10
SE 005408	<0.005	<0.2	1.12	<2	<10	60	<0.5	<2	0.16	<0.5	4	14	14	1.72	<10	<1	0.04	10
SE 005409	<0.005	<0.2	1.38	<2	<10	100	<0.5	<2	0.28	<0.5	3	14	20	1.63	<10	<1	0.05	10
SE 005410	0.021	<0.2	1.04	2	<10	70	<0.5	<2	0.23	<0.5	3	15	12	1.8	<10	<1	0.03	10
SE 005411	<0.005	<0.2	1.13	<2	<10	80	<0.5	<2	0.16	<0.5	3	12	12	1.67	<10	<1	0.03	<10
SE 005412	<0.005	0.3	1	<2	<10	60	<0.5	<2	0.18	<0.5	3	13	13	1.66	<10	<1	0.03	10
SE 005413	<0.005	<0.2	1.06	2	<10	50	<0.5	<2	0.27	<0.5	4	15	11	1.71	<10	<1	0.03	<10
SE 005414	<0.005	0.2	1.27	2	<10	60	<0.5	<2	0.16	<0.5	4	12	11	1.79	<10	<1	0.03	10
SE 005415	<0.005	<0.2	1.44	2	<10	60	<0.5	<2	0.13	<0.5	3	10	13	1.67	10	<1	0.03	<10
SE 005416	<0.005	<0.2	1.25	2	<10	60	<0.5	<2	0.14	<0.5	3	10	12	1.56	<10	<1	0.03	<10
SE 005417	0.006	0.2	1.37	<2	<10	90	<0.5	<2	0.18	<0.5	3	12	10	1.74	<10	<1	0.03	10
SE 005418	<0.005	<0.2	1.17	<2	<10	90	<0.5	<2	0.18	<0.5	3	10	12	1.72	<10	<1	0.03	10
SE 005419	<0.005	0.2	2.08	<2	<10	140	<0.5	<2	0.25	<0.5	5	15	28	2.06	10	<1	0.05	10
SE 005420	<0.005	0.2	1.64	2	<10	60	<0.5	<2	0.15	<0.5	4	10	17	1.91	10	<1	0.03	10
SE 005421	<0.005	0.2	1.35	2	<10	70	<0.5	<2	0.18	<0.5	4	12	14	2.02	<10	<1	0.03	10
SE 005422	<0.005	<0.2	1.49	<2	<10	70	<0.5	<2	0.2	<0.5	4	14	15	1.99	10	<1	0.04	<10
SE 005423	<0.005	<0.2	1.52	<2	<10	80	<0.5	<2	0.18	<0.5	4	9	18	1.73	10	<1	0.03	10
SE 005424	<0.005	<0.2	1.02	<2	<10	60	<0.5	<2	0.19	<0.5	2	9	11	1.68	<10	<1	0.03	10
SE 005425	<0.005	0.2	0.96	<2	<10	60	<0.5	<2	0.21	<0.5	3	9	17	1.42	<10	<1	0.03	10
SE 005426	*<0.005*	*0.2*	*1.07*	*<2*	*<10*	*80*	*<0.5*	*2*	*0.29*	*<0.5*	*4*	*14*	*14*	*1.53*	*<10*	*<1*	*0.04*	*10*
SE 005427	<0.005	0.2	1.61	<2	<10	110	<0.5	<2	0.28	<0.5	6	14	20	1.99	<10	<1	0.04	<10
SE 005428	<0.005	<0.2	1.26	<2	<10	80	<0.5	<2	0.38	<0.5	5	14	15	1.81	<10	<1	0.05	10
SE 005429	<0.005	0.2	1.54	2	<10	170	<0.5	<2	0.69	<0.5	5	20	41	2.62	<10	<1	0.03	10
SE 005430	<0.005	<0.2	1.34	3	<10	90	<0.5	<2	0.33	<0.5	3	12	18	1.5	<10	<1	0.03	10
SE 005431	<0.005	0.3	1.68	<2	<10	100	<0.5	<2	0.41	<0.5	5	15	15	2.05	<10	<1	0.04	<10
SE 005432	<0.005	0.3	1.21	3	<10	80	<0.5	<2	0.29	<0.5	6	15	15	2.1	<10	<1	0.04	<10
SE 005433	<0.005	0.5	1.79	5	<10	180	<0.5	<2	0.74	0.5	7	17	94	2.48	<10	<1	0.07	10
SE 005434	<0.005	<0.2	1.35	<2	<10	150	<0.5	<2	0.35	<0.5	6	17	17	2.29	<10	<1	0.06	<10
SE 005435	<0.005	<0.2	0.9	<2	<10	80	<0.5	<2	0.32	<0.5	5	17	10	2.28	<10	<1	0.04	<10
SE 005436	<0.005	<0.2	1.1	4	<10	80	<0.5	<2	0.36	<0.5	6	17	15	2.38	<10	<1	0.07	<10
SE 005437	<0.005	0.2	1.44	5	<10	120	<0.5	<2	0.29	<0.5	7	17	15	2.1	10	<1	0.06	<10
SE 005592	<0.005	0.4	2.47	<2	<10	160	0.5	<2	0.41	<0.5	8	16	89	2.61	10	<1	0.09	10
SE 005593	<0.005	0.2	1.63	<2	<10	100	<0.5	<2	0.49	<0.5	6	16	47	2.52	<10	<1	0.06	10

SE 005341	0.12	104	1	0.02	5	630	4	0.02	<2	1	15	<20	0.08	<10	<10	40	<10	27
SE 005342	0.17	463	9	0.02	8	370	8	0.03	<2	2	31	<20	0.08	<10	10	42	<10	28
SE 005343	0.16	197	1	0.02	7	970	6	0.01	<2	1	12	<20	0.09	<10	<10	46	<10	64
SE 005344	0.19	566	1	0.01	9	920	9	0.01	<2	1	14	<20	0.08	<10	<10	52	<10	87
SE 005345	0.2	338	<1	0.01	9	660	7	0.01	<2	1	17	<20	0.08	<10	<10	47	<10	69
SE 005346	0.18	513	1	0.01	7	1080	9	0.01	<2	1	17	<20	0.07	<10	<10	43	<10	76
SE 005347	0.17	398	<1	<0.01	5	960	5	0.01	<2	1	17	<20	0.07	<10	<10	41	<10	43
SE 005401	0.12	227	<1	0.02	7	1410	14	<0.01	<2	2	14	<20	0.08	<10	<10	34	<10	100
SE 005402	0.17	103	<1	0.02	5	650	7	<0.01	<2	1	20	<20	0.07	<10	<10	36	<10	51
SE 005403	0.13	183	<1	0.02	4	130	7	<0.01	<2	1	18	<20	0.08	<10	10	35	<10	30
SE 005404	0.28	196	<1	0.03	10	290	12	0.01	2	4	30	<20	0.1	<10	10	52	<10	33
SE 005405	0.24	146	<1	0.03	6	160	7	<0.01	<2	2	24	<20	0.1	<10	10	39	<10	41
SE 005406	0.2	164	<1	0.01	7	450	6	<0.01	<2	1	22	<20	0.08	<10	<10	43	<10	27
SE 005407	0.17	113	<1	0.01	10	800	5	<0.01	<2	2	16	<20	0.09	<10	<10	43	<10	29
SE 005408	0.15	164	<1	0.01	6	940	5	<0.01	<2	1	13	<20	0.08	<10	<10	43	<10	29
SE 005409	0.19	112	<1	0.02	6	140	5	<0.01	<2	2	22	<20	0.09	<10	10	34	<10	15
SE 005410	0.15	149	1	0.01	5	750	4	<0.01	<2	1	17	<20	0.07	<10	<10	47	<10	26
SE 005411	0.13	273	<1	0.01	6	880	4	<0.01	<2	1	14	<20	0.08	<10	<10	43	<10	32
SE 005412	0.15	183	<1	0.01	5	520	4	<0.01	<2	1	16	<20	0.08	<10	<10	45	<10	26
SE 005413	0.23	195	1	0.01	6	160	5	<0.01	<2	1	20	<20	0.09	<10	<10	45	<10	34
SE 005414	0.13	148	1	0.01	6	960	6	<0.01	<2	1	13	<20	0.08	<10	<10	43	<10	39
SE 005415	0.12	145	1	0.01	6	1040	6	<0.01	<2	1	11	<20	0.08	<10	<10	40	<10	28
SE 005416	0.11	141	1	0.01	5	990	4	<0.01	<2	1	12	<20	0.08	<10	<10	39	<10	29
SE 005417	0.15	349	<1	0.01	6	960	8	<0.01	<2	1	14	<20	0.08	<10	<10	42	<10	69
SE 005418	0.14	202	1	0.01	4	970	7	<0.01	<2	1	15	<20	0.07	<10	<10	40	<10	39
SE 005419	0.19	159	1	0.01	8	940	8	<0.01	<2	2	21	<20	0.09	<10	10	48	<10	53
SE 005420	0.15	417	1	0.01	5	890	11	<0.01	<2	2	13	<20	0.09	<10	<10	45	<10	57
SE 005421	0.15	216	<1	0.01	6	1000	11	<0.01	<2	1	15	<20	0.08	<10	<10	50	<10	59
SE 005422	0.17	199	<1	0.01	7	560	6	<0.01	<2	1	19	<20	0.09	<10	<10	54	<10	31
SE 005423	0.12	92	1	0.01	6	720	7	<0.01	<2	1	16	<20	0.08	<10	<10	40	<10	44
SE 005424	0.1	194	1	0.01	3	870	8	<0.01	<2	1	16	<20	0.06	<10	<10	40	<10	33
SE 005425	0.14	95	<1	0.02	4	180	6	<0.01	<2	1	18	<20	0.07	<10	<10	33	<10	27
SE 005426	0.25	151	<1	0.02	7	170	6	<0.01	<2	2	22	<20	0.08	<10	<10	37	<10	30
SE 005427	0.2	186	1	0.02	7	710	10	0.01	<2	2	20	<20	0.08	<10	<10	49	<10	83
SE 005428	0.24	152	1	0.03	4	220	10	0.01	2	2	27	<20	0.09	<10	<10	49	<10	33
SE 005429	0.31	249	1	0.03	4	650	13	0.01	2	5	35	<20	0.09	<10	<10	62	<10	35
SE 005430	0.24	100	<1	0.03	3	310	12	0.01	2	2	24	<20	0.09	<10	<10	34	<10	31
SE 005431	0.2	137	<1	0.03	6	600	9	0.01	3	2	28	<20	0.08	<10	<10	45	<10	80
SE 005432	0.22	215	1	0.02	4	1110	7	0.01	2	2	21	<20	0.08	<10	<10	56	<10	62
SE 005433	0.3	363	1	0.03	9	440	14	0.03	<2	4	43	<20	0.08	<10	<10	66	<10	81
SE 005434	0.26	389	1	0.02	5	730	10	0.01	<2	2	24	<20	0.08	<10	<10	57	<10	77
SE 005435	0.22	346	<1	0.02	4	1160	9	0.01	<2	2	22	<20	0.07	<10	<10	61	<10	88
SE 005436	0.26	229	<1	0.02	4	840	11	0.01	<2	2	23	<20	0.08	<10	<10	65	<10	76
SE 005437	0.27	286	1	0.02	10	720	7	0.01	<2	2	22	<20	0.09	<10	<10	54	<10	91
SE 005592	0.29	392	1	0.03	13	490	30	<0.01	<2	5	29	<20	0.1	<10	<10	57	<10	183
SE 005593	0.26	358	<1	0.02	8	280	23	0.01	<2	3	30	<20	0.1	<10	<10	65	<10	211

SE005594	683230	5499847		B	15	FLAT	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005595	683233	5499748		B	20	FLAT	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005596	683144	5499792		B	15	MOD	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005597	683100	5499880		B	20	STEEP	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005598	683030	5499953		B	20	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005599	683037	5499764		B	20	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005600	682997	5499661		B	20	FLAT	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005601	682909	5499599		B	15	GENTLE	BRN	15	CF	TILL		5	24/10/09	P.D/M.L	
SE005602	682842	5499523		B	20	GENTLE	BRN	20	CF			5	24/10/09	P.D/M.L	
SE005603	682846	5499419		B	20	GENTLE	BRN	5	CF	TILL		5	24/10/09	P.D/M.L	
SE005604	682837	5499310		B	25	F	D.BRN	0	CF			5	24/10/09	P.D/M.L	Almost bog like
SE005605	682849	5499197		B	20	F	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005606	682818	5499097		B	20	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005607	682817	5498996		B	15	STEEP	BRN	5	CF			5	24/10/09	P.D/M.L	dry ravine
SE005608	682825	5498894		B	20	F	BRN	5	Field			5	24/10/09	P.D/M.L	
SE005609	682837	5498786		B	15	F	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005610	682831	5498680		B	10	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005611	682832	5498584		B	30	GENTLE	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005612	682831	5498480		B	20	MOD	BRN	5	CF			5	24/10/09	P.D/M.L	
SE005613	682826	5498367		B	15	STEEP	BRN	5	CF	TILL		5	24/10/09	P.D/M.L	
SE005614	682816	5498266		B	15	MOD	BRN	5	CF	TILL		5	24/10/09	P.D/M.L	

SE 005594	<0.005	0.2	1.59	3	<10	140	<0.5	<2	0.34	0.5	7	15	14	2.29	10	<1	0.06	<10
SE 005595	<0.005	0.3	1.59	<2	<10	140	<0.5	<2	0.29	<0.5	6	13	11	2.02	<10	<1	0.05	<10
SE 005596	<0.005	0.3	1.57	2	<10	160	<0.5	<2	0.35	0.5	6	12	14	2.25	<10	<1	0.08	<10
SE 005597	0.049	0.2	1.44	<2	<10	140	<0.5	<2	0.38	<0.5	6	17	19	2.25	<10	<1	0.1	<10
SE 005598	<0.005	0.2	1.34	<2	<10	90	<0.5	<2	0.32	<0.5	6	15	15	2.15	<10	<1	0.06	<10
SE 005599	<0.005	0.2	1.27	4	<10	90	<0.5	<2	0.32	<0.5	5	17	15	2.36	<10	<1	0.05	<10
SE 005600	<0.005	0.2	1.19	<2	<10	130	<0.5	<2	0.3	<0.5	5	10	10	1.93	10	<1	0.05	<10
SE 005601	<0.005	0.2	1.6	<2	<10	120	<0.5	<2	0.36	<0.5	8	21	39	2.34	10	<1	0.06	<10
SE 005602	<0.005	0.3	1.36	3	<10	190	<0.5	<2	0.35	<0.5	6	10	23	1.56	<10	<1	0.05	<10
SE 005603	<0.005	0.2	1.3	3	<10	130	<0.5	<2	0.33	0.5	7	13	23	1.98	<10	<1	0.06	<10
SE 005604	<0.005	0.6	1.7	2	<10	110	<0.5	<2	0.73	2.1	7	14	502	2.14	10	1	0.06	10
SE 005605	0.008	0.2	1.44	<2	<10	160	<0.5	<2	0.38	<0.5	8	16	26	2.55	10	1	0.07	<10
SE 005606	<0.005	0.3	1.5	2	<10	140	<0.5	<2	0.36	<0.5	7	14	35	2.15	<10	<1	0.05	10
SE 005607	0.005	0.3	1.02	<2	<10	110	<0.5	<2	0.33	<0.5	5	14	12	2.12	<10	<1	0.07	<10
SE 005608	<0.005	<0.2	1.24	2	<10	140	<0.5	<2	0.28	<0.5	5	13	15	1.87	<10	<1	0.05	<10
SE 005609	<0.005	0.2	1.31	<2	<10	150	<0.5	<2	0.34	<0.5	6	14	16	1.98	10	<1	0.07	<10
SE 005610	<0.005	0.3	1.22	2	<10	110	<0.5	<2	0.24	<0.5	5	13	13	2	<10	<1	0.05	<10
SE 005611	<0.005	0.3	1.46	<2	<10	150	<0.5	<2	0.27	<0.5	5	14	19	2.1	<10	<1	0.05	<10
SE 005612	0.02	0.2	1.14	<2	<10	130	<0.5	<2	0.27	<0.5	4	15	12	2.18	10	<1	0.05	<10
SE 005613	<0.005	<0.2	1.58	<2	<10	110	<0.5	<2	0.28	<0.5	6	19	26	2.37	<10	<1	0.06	<10
SE 005614	<0.005	0.2	1.11	<2	<10	210	<0.5	<2	0.31	0.5	6	15	20	2.07	<10	<1	0.05	<10

SE 005594	0.28	541	<1	0.02	9	990	46	0.01	2	2	23	<20	0.09	<10	<10	59	<10	461
SE 005595	0.24	451	<1	0.02	8	1060	41	<0.01	2	2	21	<20	0.09	<10	<10	51	<10	435
SE 005596	0.26	413	1	0.02	7	1010	48	0.01	<2	3	21	<20	0.08	<10	<10	54	<10	547
SE 005597	0.3	465	<1	0.02	8	950	33	<0.01	2	3	24	<20	0.09	<10	<10	57	<10	232
SE 005598	0.26	200	<1	0.02	7	460	21	<0.01	<2	2	23	<20	0.09	<10	<10	58	<10	194
SE 005599	0.26	317	<1	0.01	7	800	19	<0.01	<2	2	22	<20	0.09	<10	<10	65	<10	174
SE 005600	0.16	605	<1	0.02	6	1750	23	<0.01	2	1	25	<20	0.09	<10	<10	51	<10	233
SE 005601	*0.4*	*446*	*<1*	*0.02*	*12*	*990*	*16*	*0.01*	*<2*	*2*	*23*	*<20*	*0.11*	*<10*	*<10*	*62*	*<10*	*153*
SE 005602	0.2	926	<1	0.02	7	1660	10	0.01	2	1	22	<20	0.08	<10	<10	37	<10	165
SE 005603	0.23	546	<1	0.02	8	1400	17	0.01	<2	2	24	<20	0.08	<10	<10	51	<10	213
SE 005604	0.3	353	9	0.03	15	380	18	0.03	2	4	41	<20	0.1	<10	<10	50	<10	284
SE 005605	0.3	544	2	0.02	7	1290	18	<0.01	2	3	33	<20	0.09	<10	<10	66	<10	224
SE 005606	0.25	390	1	0.02	8	970	13	<0.01	2	2	28	<20	0.09	<10	<10	56	<10	116
SE 005607	0.22	348	<1	0.01	6	450	21	<0.01	2	2	25	<20	0.08	<10	<10	57	<10	170
SE 005608	0.22	371	<1	0.02	8	800	10	<0.01	<2	2	21	<20	0.08	<10	<10	49	<10	111
SE 005609	0.27	451	<1	0.01	8	1000	8	<0.01	2	2	25	<20	0.08	<10	<10	55	<10	99
SE 005610	0.21	377	<1	0.01	7	800	9	<0.01	<2	2	18	<20	0.08	<10	<10	54	<10	123
SE 005611	0.25	377	<1	0.01	9	930	9	<0.01	<2	2	22	<20	0.09	<10	<10	55	<10	135
SE 005612	0.2	227	<1	0.02	7	620	7	<0.01	<2	2	22	<20	0.09	<10	<10	57	<10	93
SE 005613	0.29	266	<1	0.02	11	820	9	<0.01	<2	2	23	<20	0.1	<10	<10	62	<10	114
SE 005614	0.24	609	<1	0.02	8	1970	10	0.01	<2	2	29	<20	0.08	<10	<10	54	<10	158

APPENDIX 2C

SILT SAMPLE DESCRIPTION SHEET
Block 2, Copper Mountain Project
October, 2009 Program.
Solitaire Minerals Inc.

Sample No.	Easting UTM NAD 27C	Northing UTM NAD 27C	% Fines	Colour	Stream Grade	Stream Width (m)	Date	Sampler	Comments
TE005137	685862	5499826	30	lt brn	Gentle	0.4	18-Oct	PD/CS	Coarse sand; several sites
TE005138	685844	5500162	60	lt brn	Gentle	0.3	18-Oct	PD/CS	Active (trickle); several sites
TE005139	685856	5500421	75	dk brn	Gentle	0.2	18-Oct	PD/CS	High organics; dry
TE005140	685729	5500655	55	brown	Gentle	0.4	18-Oct	PD/CS	Dry, sandy silts, high organics
TE005141	685702	5500916	50	brown	Gentle	0.4	18-Oct	PD/CS	Dry; several sites, high organics
TE005142	685726	5501157	45	brown	Gentle	0.3	18-Oct	PD/CS	Dry; several sites, high organics
TE005143	685715	5501410	40	brown	Gentle	0.2	18-Oct	PD/CS	Dry; rare silts, base of channel
TE005144	685899	5499306	35	Buff	Gentle	0.7	16-Oct	CS	Coarse sand and granitic pebbles

APPENDIX 2C

SILT SAMPLE DESCRIPTION SHEET
Block 2, Copper Mountain Project
October, 2009 Program
Solitaire Minerals Inc.

	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
TE 005137	<0.005	0.5	2.49	2	<10	210	1	<2	0.82	<0.5	7	20	80	2.74	<10	<1	0.09	40
TE 005138	<0.005	0.5	2.59	4	<10	210	1.2	<2	0.91	<0.5	7	23	94	3.01	<10	<1	0.1	50
TE 005139	<0.005	0.9	2.79	3	<10	220	1.3	<2	0.9	<0.5	7	23	128	2.86	10	<1	0.11	60
TE 005140	<0.005	0.8	2.28	3	<10	200	1.1	2	0.77	<0.5	7	20	108	2.63	10	<1	0.1	50
TE 005141	<0.005	0.7	3.75	4	<10	250	1.7	3	0.79	<0.5	7	27	142	3.37	10	1	0.11	60
TE 005142	0.008	0.7	3.13	<2	<10	230	1.5	2	0.79	<0.5	7	24	137	3.01	10	<1	0.1	50
TE 005143	0.007	0.5	2.8	<2	<10	230	1.3	2	0.98	<0.5	5	18	121	2.5	10	<1	0.09	60
TE 005144	0.007	0.4	2.23	3	<10	210	0.8	<2	0.76	<0.5	5	17	54	3.01	10	<1	0.11	40

APPENDIX 2C

SILT SAMPLE DESCRIPTION SHEET
Block 2, Copper Mountain Project
October, 2009 Program
Solitaire Minerals Inc.

	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
DESCRIPTION	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
TE 005137	0.32	900	9	0.03	10	500	42	0.04	<2	5	53	<20	0.07	<10	40	48	<10	131
TE 005138	0.33	581	7	0.03	12	520	58	0.07	<2	5	51	<20	0.08	<10	40	50	<10	122
TE 005139	0.37	625	10	0.03	13	470	18	0.04	<2	6	55	<20	0.08	<10	50	56	<10	71
TE 005140	0.35	773	11	0.02	11	420	18	0.02	<2	5	47	<20	0.08	<10	40	58	<10	71
TE 005141	0.39	647	8	0.03	15	430	18	0.02	2	8	50	20	0.1	<10	40	63	<10	69
TE 005142	0.36	609	8	0.03	14	510	16	0.03	<2	7	48	<20	0.09	<10	40	57	<10	64
TE 005143	0.28	800	7	0.03	10	730	12	0.06	<2	5	55	<20	0.07	<10	50	45	<10	49
TE 005144	0.28	964	4	0.03	9	620	24	0.04	2	5	71	20	0.07	<10	30	54	<10	114

Appendix 3: Original Results

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
This copy reported on 16-NOV-2009
Account: SOMIIN

CERTIFICATE VA09117571

Project: Copper Mountain

P.O. No.:

This report is for 65 Soil samples submitted to our lab in Vancouver, BC, Canada on 19-OCT-2009.

The following have access to data associated with this certificate:

CHARLES DESJARDINS	CARL SCHULZE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **SOLITAIRE MINERALS INC.**
ATTN: CARL SCHULZE
35 DAWSON ROAD
WHITEHORSE YT Y1A 5T6

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
SE 005246		0.50	<0.005	<0.2	1.44	4	<10	120	<0.5	<2	0.28	<0.5	6	8	18	1.96
SE 005247		0.64	<0.005	<0.2	1.42	4	<10	120	<0.5	2	0.42	<0.5	5	10	13	2.19
SE 005248		0.58	0.005	<0.2	1.06	3	<10	130	<0.5	<2	0.35	<0.5	5	9	12	1.93
SE 005249		0.62	<0.005	<0.2	1.38	2	<10	180	<0.5	2	0.28	<0.5	6	11	11	2.19
SE 005250		0.54	0.005	<0.2	1.53	2	<10	200	<0.5	<2	0.42	<0.5	7	9	14	1.96
SE 005275		0.54	<0.005	<0.2	1.57	2	<10	160	<0.5	<2	0.35	<0.5	7	11	10	2.19
SE 005276		0.50	<0.005	<0.2	1.72	3	<10	190	<0.5	<2	0.39	<0.5	7	11	16	2.38
SE 005277		0.44	<0.005	<0.2	1.41	3	<10	200	<0.5	<2	0.26	<0.5	5	9	16	2.02
SE 005278		0.40	<0.005	<0.2	1.40	<2	<10	150	<0.5	<2	0.25	<0.5	6	12	11	2.04
SE 005279	Block 1	0.52	<0.005	<0.2	1.28	<2	<10	140	<0.5	<2	0.22	<0.5	5	9	8	2.01
SE 005280		0.48	<0.005	<0.2	1.58	2	<10	170	<0.5	<2	0.27	<0.5	6	10	10	2.16
SE 005281		0.50	<0.005	<0.2	1.48	2	<10	160	<0.5	<2	0.19	<0.5	4	8	10	1.75
SE 005282		0.52	<0.005	<0.2	1.04	2	<10	100	<0.5	<2	0.23	<0.5	5	9	9	1.96
SE 005283		0.46	0.036	<0.2	1.39	<2	<10	140	<0.5	<2	0.22	<0.5	4	8	10	1.84
SE 005284		0.50	<0.005	<0.2	1.61	4	<10	140	<0.5	<2	0.22	<0.5	7	11	16	2.24
SE 005285		0.42	<0.005	<0.2	1.15	<2	<10	100	<0.5	<2	0.28	<0.5	5	8	10	1.82
SE 005286		0.42	<0.005	<0.2	1.34	4	<10	120	<0.5	<2	0.27	<0.5	5	8	8	1.82
SE 005287		0.56	0.006	0.2	0.99	8	<10	90	<0.5	<2	0.30	<0.5	6	14	25	2.65
SE 005288		0.40	0.005	<0.2	1.74	4	<10	310	<0.5	<2	0.35	<0.5	4	8	10	2.81
SE 005289		0.44	0.030	0.2	1.68	2	<10	130	<0.5	<2	0.38	<0.5	7	14	29	2.59
SE 005290		0.38	<0.005	0.3	2.27	<2	<10	80	0.5	<2	0.17	<0.5	5	9	13	1.72
SE 005291		0.46	0.005	<0.2	2.00	<2	<10	60	<0.5	<2	0.13	<0.5	5	9	12	1.65
SE 005292		0.36	<0.005	<0.2	1.36	<2	<10	70	<0.5	<2	0.17	<0.5	4	6	8	1.37
SE 005293		0.44	<0.005	0.5	1.51	<2	<10	80	<0.5	<2	0.17	<0.5	4	9	16	1.55
SE 005294	Block 2	0.40	<0.005	<0.2	1.45	3	<10	80	<0.5	<2	0.20	<0.5	4	10	12	1.63
SE 005295		0.42	<0.005	<0.2	1.70	3	<10	80	<0.5	<2	0.18	<0.5	5	11	21	1.79
SE 005296		0.46	<0.005	0.2	1.73	<2	<10	100	<0.5	<2	0.24	<0.5	6	16	29	1.92
SE 005297		0.46	<0.005	<0.2	1.36	2	<10	70	<0.5	<2	0.18	<0.5	4	13	17	1.78
SE 005298		0.44	0.008	<0.2	1.17	<2	<10	90	<0.5	<2	0.31	<0.5	4	13	20	1.58
SE 005299		0.44	<0.005	0.3	1.58	<2	<10	80	<0.5	<2	0.16	<0.5	4	9	15	1.75
SE 005300		0.44	<0.005	<0.2	1.26	<2	<10	100	<0.5	<2	0.16	<0.5	5	11	12	1.91
SE 005301		0.52	<0.005	<0.2	1.45	4	<10	150	<0.5	<2	0.41	<0.5	5	9	12	1.93
SE 005302		0.54	<0.005	<0.2	1.12	<2	<10	100	<0.5	<2	0.29	<0.5	5	10	10	1.94
SE 005303		0.62	0.006	0.2	1.77	3	<10	170	<0.5	<2	0.29	<0.5	6	12	20	2.36
SE 005304	Block 1	Not Recvd														
SE 005305		0.50	<0.005	<0.2	1.25	2	<10	130	<0.5	<2	0.29	<0.5	5	7	6	1.65
SE 005306		0.66	<0.005	<0.2	1.49	<2	<10	130	<0.5	<2	0.37	<0.5	6	9	15	2.19
SE 005307		0.60	<0.005	0.2	1.69	<2	<10	160	<0.5	<2	0.36	<0.5	6	10	15	2.42
SE 005308		0.52	<0.005	<0.2	1.59	4	<10	200	<0.5	<2	0.35	<0.5	6	8	15	1.97
SE 005309		0.48	<0.005	<0.2	1.36	3	<10	230	<0.5	<2	0.36	<0.5	5	8	10	1.86

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To: **SOLITAIRE MINERALS INC.**
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005246		<10	<1	0.07	<10	0.21	413	1	0.01	4	570	2	<0.01	<2	2	30
SE 005247		<10	<1	0.14	<10	0.26	470	1	0.02	4	350	3	<0.01	<2	3	33
SE 005248		<10	<1	0.08	<10	0.21	530	1	0.01	3	370	3	<0.01	<2	2	22
SE 005249		10	<1	0.08	<10	0.30	442	1	0.01	5	440	2	<0.01	<2	3	20
SE 005250		<10	<1	0.08	<10	0.25	616	1	0.01	4	1590	2	<0.01	<2	3	41
SE 005275		10	<1	0.11	<10	0.36	403	1	0.01	5	360	3	<0.01	<2	3	50
SE 005276		10	<1	0.15	<10	0.33	606	1	0.01	4	480	3	<0.01	<2	4	43
SE 005277		10	<1	0.09	<10	0.24	405	1	0.01	5	680	5	<0.01	<2	3	21
SE 005278		10	<1	0.05	<10	0.25	341	<1	0.01	4	300	2	0.01	<2	2	23
SE 005279	Block 1	<10	<1	0.06	<10	0.23	276	1	0.01	4	230	3	0.01	<2	2	29
SE 005280		<10	<1	0.07	<10	0.26	365	<1	0.01	5	320	4	0.01	<2	3	33
SE 005281		10	<1	0.05	<10	0.20	420	<1	0.01	5	580	3	0.01	<2	2	17
SE 005282		<10	<1	0.05	<10	0.24	286	1	0.01	4	290	2	0.01	<2	2	15
SE 005283		<10	<1	0.05	<10	0.19	379	1	0.01	4	680	4	0.01	<2	2	17
SE 005284		10	<1	0.06	<10	0.28	339	1	0.01	6	660	4	0.01	<2	3	15
SE 005285		<10	<1	0.07	<10	0.19	320	<1	0.01	3	720	3	0.01	<2	2	20
SE 005286		10	<1	0.06	<10	0.21	417	1	0.01	4	560	3	0.01	<2	2	22
SE 005287		<10	<1	0.06	10	0.37	239	1	0.01	5	390	3	0.01	<2	5	18
SE 005288		<10	1	0.08	10	0.23	300	1	0.02	3	740	6	0.10	<2	2	152
SE 005289		10	<1	0.07	<10	0.40	363	1	0.01	7	530	3	0.01	<2	4	28
SE 005290		10	<1	0.03	10	0.15	555	1	0.01	5	1160	7	0.02	<2	2	14
SE 005291		10	<1	0.02	<10	0.13	299	1	0.01	6	1060	8	0.01	<2	1	13
SE 005292		<10	<1	0.03	<10	0.09	510	1	0.02	3	1270	4	0.01	<2	1	14
SE 005293		<10	<1	0.03	<10	0.14	202	1	0.01	6	1310	7	0.01	<2	1	14
SE 005294	Block 2	<10	<1	0.03	10	0.14	267	3	0.01	7	860	10	0.01	<2	1	16
SE 005295		<10	<1	0.03	10	0.14	216	1	0.01	7	1350	6	0.01	<2	2	16
SE 005296		10	<1	0.05	10	0.24	205	1	0.01	10	790	5	0.01	<2	2	20
SE 005297		<10	<1	0.03	<10	0.16	176	1	0.01	7	630	4	0.01	<2	1	16
SE 005298		<10	<1	0.05	10	0.23	256	1	0.02	6	200	9	0.01	<2	2	22
SE 005299		10	<1	0.03	10	0.14	233	1	0.01	6	980	7	0.01	<2	2	15
SE 005300		<10	<1	0.03	10	0.18	445	2	0.01	4	1070	11	0.01	<2	1	14
SE 005301		<10	<1	0.10	<10	0.25	538	1	0.01	4	700	<2	0.02	<2	3	32
SE 005302		10	<1	0.10	<10	0.23	357	1	0.01	3	370	2	0.01	<2	3	26
SE 005303		<10	<1	0.08	<10	0.32	291	1	0.01	4	850	3	0.01	<2	3	27
SE 005304	Block 1															
SE 005305		<10	1	0.04	<10	0.14	639	<1	0.02	3	690	2	0.02	<2	1	19
SE 005306		<10	<1	0.10	<10	0.25	648	<1	0.01	4	440	5	0.02	<2	3	34
SE 005307		10	<1	0.08	<10	0.28	498	1	0.01	5	470	3	0.02	<2	3	40
SE 005308		<10	<1	0.06	<10	0.21	843	<1	0.01	4	1590	4	0.02	<2	3	33
SE 005309		10	<1	0.11	<10	0.21	1175	1	0.01	4	630	3	0.01	<2	2	31

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To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005246		<20	0.08	<10	<10	46	<10	70
SE 005247		<20	0.09	<10	<10	57	<10	54
SE 005248		<20	0.07	<10	<10	51	<10	31
SE 005249		<20	0.06	<10	<10	53	<10	48
SE 005250		<20	0.07	<10	<10	44	<10	63
SE 005275		<20	0.10	<10	<10	53	<10	67
SE 005276		<20	0.10	<10	<10	56	<10	59
SE 005277		<20	0.07	<10	<10	49	<10	65
SE 005278		<20	0.07	<10	<10	51	<10	50
SE 005279	Block 1	<20	0.07	<10	<10	52	<10	37
SE 005280		<20	0.09	<10	<10	54	<10	44
SE 005281		<20	0.07	<10	<10	43	<10	53
SE 005282		<20	0.07	<10	<10	52	<10	37
SE 005283		<20	0.07	<10	<10	48	<10	52
SE 005284		<20	0.08	<10	<10	54	<10	68
SE 005285		<20	0.06	<10	<10	45	<10	48
SE 005286		<20	0.07	<10	<10	45	<10	64
SE 005287		<20	0.08	<10	<10	71	<10	27
SE 005288		<20	0.11	<10	<10	53	<10	47
SE 005289		<20	0.09	<10	<10	66	<10	66
SE 005290		<20	0.10	<10	<10	38	<10	95
SE 005291		<20	0.09	<10	<10	37	<10	61
SE 005292		<20	0.09	<10	<10	31	10	48
SE 005293		<20	0.08	<10	<10	35	<10	69
SE 005294	Block 2	<20	0.08	<10	<10	38	<10	60
SE 005295		<20	0.08	<10	<10	43	<10	40
SE 005296		<20	0.09	<10	<10	52	<10	40
SE 005297		<20	0.08	<10	<10	48	<10	30
SE 005298		<20	0.08	<10	<10	41	<10	39
SE 005299		<20	0.09	<10	<10	41	<10	43
SE 005300		<20	0.06	<10	<10	42	<10	85
SE 005301		<20	0.07	<10	<10	45	<10	50
SE 005302		<20	0.08	<10	<10	50	<10	51
SE 005303		<20	0.09	<10	<10	56	<10	62
SE 005304	Block 1							
SE 005305		<20	0.06	<10	<10	40	<10	68
SE 005306		<20	0.07	<10	<10	50	<10	60
SE 005307		<20	0.08	<10	<10	58	<10	57
SE 005308		<20	0.06	<10	<10	42	<10	79
SE 005309		<20	0.08	<10	<10	46	<10	87

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To: **SOLITAIRE MINERALS INC.**
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
SE 005310		0.48	<0.005	<0.2	1.82	<2	<10	100	<0.5	<2	1.13	<0.5	6	11	44	2.19
SE 005311		0.42	<0.005	<0.2	1.42	<2	<10	210	<0.5	<2	0.42	<0.5	7	10	17	2.09
SE 005312		0.30	<0.005	<0.2	1.14	<2	<10	140	<0.5	<2	0.33	<0.5	6	11	13	2.16
SE 005313		0.48	<0.005	0.3	1.54	2	<10	160	<0.5	<2	0.37	<0.5	7	14	31	2.65
SE 005314	Block 1	0.42	<0.005	<0.2	1.41	<2	<10	230	<0.5	<2	0.44	<0.5	5	10	15	2.09
SE 005315		0.48	<0.005	<0.2	1.82	3	<10	160	<0.5	<2	0.35	<0.5	6	13	20	2.55
SE 005316		0.40	<0.005	<0.2	1.93	3	<10	150	<0.5	<2	0.38	<0.5	7	12	16	2.54
SE 005317		0.52	<0.005	<0.2	1.63	3	<10	160	<0.5	<2	0.38	<0.5	6	11	12	2.15
SE 005318		0.56	<0.005	<0.2	1.41	<2	<10	140	<0.5	<2	0.38	<0.5	6	10	16	2.15
SE 005319		0.54	0.007	<0.2	1.49	6	<10	140	<0.5	<2	0.47	<0.5	8	14	47	2.99
SE 005320		0.52	<0.005	<0.2	1.61	3	<10	210	<0.5	<2	0.51	<0.5	7	12	24	2.43
SE 005321		0.44	<0.005	<0.2	1.38	<2	<10	200	<0.5	<2	0.50	<0.5	6	10	14	1.96
SE 005322		0.54	<0.005	0.2	1.36	2	<10	110	<0.5	<2	0.28	<0.5	4	11	17	1.95
SE 005323		0.56	<0.005	<0.2	1.15	<2	<10	60	<0.5	<2	0.23	<0.5	4	8	17	1.46
SE 005324	Block 2	0.62	<0.005	<0.2	0.88	<2	<10	50	<0.5	<2	0.23	<0.5	2	8	10	1.21
SE 005325		0.50	<0.005	<0.2	1.14	2	<10	70	<0.5	<2	0.20	<0.5	3	10	14	1.82
SE 005326		0.44	<0.005	0.2	2.85	<2	<10	160	1.1	<2	0.50	<0.5	4	17	57	2.14
SE 005327		0.56	0.011	<0.2	1.24	<2	<10	70	<0.5	<2	0.20	<0.5	4	10	14	1.79
SE 005401		0.38	<0.005	0.2	1.91	<2	<10	90	0.5	<2	0.15	<0.5	4	9	13	1.70
SE 005402		0.40	<0.005	0.2	1.17	2	<10	90	<0.5	<2	0.22	<0.5	3	11	17	1.66
SE 005403	Block 2	0.36	<0.005	<0.2	1.15	<2	<10	70	<0.5	<2	0.23	<0.5	4	8	17	1.44
SE 005404		0.58	<0.005	0.2	1.61	<2	<10	110	0.5	<2	0.39	<0.5	5	21	50	2.27
SE 005405		0.44	0.008	<0.2	1.25	2	<10	80	<0.5	<2	0.26	<0.5	3	15	19	1.67
TE 005144	Block 2	0.70	0.007	0.4	2.23	3	<10	210	0.8	<2	0.76	<0.5	5	17	54	3.01
TE 005145	Block 1	0.52	0.009	<0.2	1.34	4	<10	180	<0.5	<2	1.16	<0.5	7	11	23	2.10

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To: **SOLITAIRE MINERALS INC.**
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005310		<10	<1	0.06	10	0.35	531	<1	0.03	4	300	6	0.03	<2	4	62
SE 005311		<10	<1	0.12	<10	0.31	863	1	0.01	5	610	4	0.02	<2	3	28
SE 005312		<10	<1	0.11	<10	0.29	833	1	0.01	4	580	4	0.02	<2	3	20
SE 005313		<10	<1	0.07	10	0.43	567	1	0.01	5	620	3	0.02	<2	5	24
SE 005314	Block 1	<10	<1	0.07	<10	0.27	845	1	0.01	6	700	5	0.01	<2	3	24
SE 005315		<10	<1	0.08	<10	0.33	634	<1	0.02	7	590	5	0.01	2	4	43
SE 005316		10	<1	0.08	<10	0.34	382	<1	0.01	7	460	4	0.01	<2	4	58
SE 005317		<10	<1	0.15	<10	0.30	558	<1	0.02	5	480	4	0.01	<2	3	53
SE 005318		<10	<1	0.08	<10	0.28	555	<1	0.02	6	550	4	0.01	<2	3	29
SE 005319		<10	<1	0.06	10	0.49	624	<1	0.02	8	740	3	0.01	<2	7	29
SE 005320		<10	<1	0.11	10	0.32	1000	<1	0.02	9	640	6	0.01	<2	4	35
SE 005321		<10	<1	0.11	<10	0.25	1160	<1	0.02	5	550	5	0.01	2	3	28
SE 005322		<10	<1	0.04	10	0.15	121	<1	0.02	6	450	39	0.01	<2	2	28
SE 005323		<10	<1	0.03	10	0.15	161	<1	0.02	5	220	12	<0.01	2	1	22
SE 005324	Block 2	<10	<1	0.03	<10	0.13	86	<1	0.02	3	70	10	<0.01	2	1	21
SE 005325		<10	<1	0.03	10	0.12	106	<1	0.02	5	810	11	<0.01	<2	1	19
SE 005326		10	<1	0.06	40	0.26	247	1	0.03	9	250	24	0.01	<2	6	47
SE 005327		<10	<1	0.03	10	0.14	117	<1	0.02	5	790	9	<0.01	<2	2	18
SE 005401		10	<1	0.03	10	0.12	227	<1	0.02	7	1410	14	<0.01	<2	2	14
SE 005402		<10	<1	0.03	10	0.17	103	<1	0.02	5	650	7	<0.01	<2	1	20
SE 005403	Block 2	<10	<1	0.03	10	0.13	183	<1	0.02	4	130	7	<0.01	<2	1	18
SE 005404		10	<1	0.06	20	0.28	196	<1	0.03	10	290	12	0.01	2	4	30
SE 005405		<10	<1	0.05	10	0.24	146	<1	0.03	6	160	7	<0.01	<2	2	24
TE 005144	Block 2	10	<1	0.11	40	0.28	964	4	0.03	9	620	24	0.04	2	5	71
TE 005145	Block 1	<10	<1	0.08	<10	0.36	737	<1	0.03	6	440	3	0.12	<2	4	97

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To: **SOLITAIRE MINERALS INC.**
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 27-OCT-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09117571

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005310		<20	0.08	<10	<10	43	<10	39
SE 005311		<20	0.07	<10	<10	48	<10	59
SE 005312		<20	0.06	<10	<10	54	<10	59
SE 005313		<20	0.07	<10	<10	64	<10	60
SE 005314	Block 1	<20	0.07	<10	<10	50	<10	85
SE 005315		<20	0.08	<10	<10	63	<10	74
SE 005316		<20	0.08	<10	<10	64	<10	58
SE 005317		<20	0.09	<10	<10	52	<10	48
SE 005318		<20	0.08	<10	<10	52	<10	59
SE 005319		<20	0.07	<10	<10	71	<10	54
SE 005320		<20	0.07	<10	<10	55	<10	64
SE 005321		<20	0.06	<10	<10	45	<10	67
SE 005322		<20	0.07	<10	<10	45	<10	89
SE 005323		<20	0.08	<10	<10	36	<10	28
SE 005324	Block 2	<20	0.07	<10	<10	28	<10	19
SE 005325		<20	0.08	<10	<10	44	<10	32
SE 005326		<20	0.10	<10	20	32	<10	59
SE 005327		<20	0.08	<10	<10	45	<10	31
SE 005401		<20	0.08	<10	<10	34	<10	100
SE 005402		<20	0.07	<10	<10	36	<10	51
SE 005403	Block 2	<20	0.08	<10	10	35	<10	30
SE 005404		<20	0.10	<10	10	52	<10	33
SE 005405		<20	0.10	<10	10	39	<10	41
TE 005144	Block 2	20	0.07	<10	30	54	<10	114
TE 005145	Block 1	<20	0.07	<10	<10	53	<10	43

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To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
This copy reported on 6-JAN-2010
Account: SOMIIN

CERTIFICATE VA09120242

Project: Copper Mountain

P.O. No.:

This report is for 206 Soil samples submitted to our lab in Vancouver, BC, Canada on 26-OCT-2009.

The following have access to data associated with this certificate:

CHARLES DESJARDINS	CARL SCHULZE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
EXTRA-01	Extra Sample received in Shipment
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: SOLITAIRE MINERALS INC.
ATTN: CARL SCHULZE
35 DAWSON ROAD
WHITEHORSE YT Y1A 5T6

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
SE 005328		0.40	<0.005	<0.2	1.56	3	<10	90	<0.5	<2	0.28	<0.5	3	11	20	1.88
SE 005329		0.54	<0.005	<0.2	1.64	3	<10	70	<0.5	<2	0.13	<0.5	4	9	9	1.97
SE 005330		0.40	<0.005	<0.2	1.94	2	<10	100	<0.5	<2	0.19	<0.5	4	12	23	2.01
SE 005331		0.50	<0.005	<0.2	0.99	2	<10	50	<0.5	<2	0.16	<0.5	4	13	16	2.08
SE 005332		0.48	<0.005	<0.2	1.50	2	<10	80	<0.5	<2	0.17	<0.5	5	10	14	1.80
SE 005333		0.50	<0.005	<0.2	1.66	<2	<10	70	<0.5	<2	0.16	<0.5	5	13	14	2.03
SE 005334		0.46	0.011	0.4	2.57	2	<10	160	1.2	<2	0.52	<0.5	7	23	102	2.95
SE 005335		0.58	<0.005	0.2	1.21	<2	<10	80	<0.5	<2	0.17	<0.5	4	12	13	1.86
SE 005336		0.44	0.005	0.2	1.36	<2	<10	110	0.5	2	0.29	<0.5	5	14	41	2.03
SE 005337	Block 2	0.52	0.005	0.2	1.35	<2	<10	110	<0.5	<2	0.21	<0.5	5	13	15	2.03
SE 005338		0.48	<0.005	<0.2	1.85	4	<10	140	0.5	2	0.22	<0.5	5	10	40	1.87
SE 005339		0.46	<0.005	<0.2	1.40	<2	<10	80	<0.5	2	0.18	<0.5	3	9	17	1.83
SE 005340		0.46	<0.005	<0.2	0.90	<2	<10	50	<0.5	<2	0.13	<0.5	3	8	7	1.56
SE 005341		0.48	<0.005	<0.2	1.12	3	<10	60	<0.5	<2	0.21	<0.5	3	10	10	1.73
SE 005342		0.44	<0.005	<0.2	1.81	2	<10	110	0.7	2	0.53	<0.5	4	14	33	2.16
SE 005343		0.50	<0.005	<0.2	1.62	<2	<10	60	<0.5	2	0.15	<0.5	5	13	14	2.03
SE 005344		0.54	<0.005	<0.2	1.15	2	<10	100	<0.5	<2	0.21	<0.5	5	16	15	2.13
SE 005345		0.50	<0.005	<0.2	1.01	<2	<10	90	<0.5	<2	0.24	<0.5	4	14	12	1.82
SE 005346		0.48	<0.005	<0.2	1.32	2	<10	110	<0.5	<2	0.21	<0.5	4	12	13	1.86
SE 005347		0.48	<0.005	<0.2	1.01	<2	<10	80	<0.5	<2	0.26	<0.5	3	10	12	1.69
SE 005348		0.58	<0.005	<0.2	0.90	<2	<10	50	<0.5	<2	0.07	<0.5	<1	5	4	0.90
SE 005349		0.74	<0.005	<0.2	0.70	<2	<10	40	<0.5	<2	0.06	<0.5	<1	4	2	0.67
SE 005350		0.64	<0.005	<0.2	2.11	3	<10	40	<0.5	<2	0.08	<0.5	2	7	6	1.86
SE 005351		0.56	<0.005	<0.2	1.35	<2	<10	40	<0.5	<2	0.07	<0.5	<1	5	4	0.81
SE 005352		0.58	<0.005	<0.2	1.28	2	<10	50	<0.5	<2	0.13	<0.5	2	6	6	1.47
SE 005353		0.58	<0.005	<0.2	1.46	<2	<10	40	<0.5	<2	0.08	<0.5	1	6	7	1.60
SE 005354		0.50	<0.005	<0.2	1.45	4	<10	50	<0.5	<2	0.17	<0.5	2	8	12	2.24
SE 005355		0.48	<0.005	0.2	1.81	4	<10	40	<0.5	<2	0.07	<0.5	2	8	17	1.98
SE 005356	Block 4 ext	0.44	<0.005	0.3	1.85	2	<10	40	<0.5	<2	0.09	<0.5	2	7	16	1.71
SE 005357		0.44	<0.005	0.5	1.82	2	<10	90	0.7	<2	0.26	<0.5	7	6	30	1.31
SE 005358		0.44	<0.005	0.3	1.83	2	<10	40	<0.5	<2	0.08	<0.5	2	7	10	1.63
SE 005359		0.40	<0.005	<0.2	1.85	2	<10	40	<0.5	<2	0.07	<0.5	2	7	8	1.94
SE 005360		0.40	<0.005	<0.2	1.21	<2	<10	40	<0.5	<2	0.06	<0.5	1	5	7	1.37
SE 005361		0.42	<0.005	<0.2	1.54	2	<10	40	<0.5	<2	0.07	<0.5	2	7	11	1.97
SE 005362		0.58	0.005	0.2	1.67	3	<10	50	<0.5	<2	0.12	<0.5	4	10	29	2.57
SE 005363		0.44	0.005	0.2	1.92	5	<10	40	<0.5	<2	0.06	<0.5	3	9	13	2.38
SE 005364		0.62	<0.005	<0.2	2.18	3	<10	50	<0.5	<2	0.07	<0.5	4	8	14	2.03
SE 005365		0.46	<0.005	<0.2	2.58	5	<10	50	<0.5	<2	0.07	<0.5	4	9	22	2.22
SE 005366		0.60	<0.005	0.2	1.77	4	<10	60	<0.5	<2	0.12	<0.5	4	9	38	2.25
SE 005367		0.54	<0.005	0.3	1.53	4	<10	60	<0.5	<2	0.13	<0.5	6	10	41	2.31

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005328		<10	<1	0.04	10	0.16	167	2	0.02	7	410	9	0.01	<2	1	21
SE 005329		10	<1	0.03	<10	0.13	346	2	0.02	7	1090	8	0.01	<2	1	12
SE 005330		10	<1	0.04	10	0.13	139	3	0.02	7	1150	10	0.02	<2	1	15
SE 005331		<10	<1	0.03	10	0.16	182	1	0.02	6	810	5	0.01	<2	1	12
SE 005332		<10	<1	0.03	<10	0.15	171	1	0.02	6	1180	8	0.01	<2	1	14
SE 005333		<10	<1	0.03	<10	0.17	338	1	0.02	6	1280	7	0.01	<2	1	12
SE 005334		10	<1	0.09	40	0.38	673	5	0.03	13	350	14	0.02	<2	6	36
SE 005335		<10	<1	0.02	<10	0.15	290	1	0.02	6	1070	5	0.01	<2	1	14
SE 005336		<10	<1	0.05	20	0.25	309	4	0.03	9	180	8	0.01	<2	2	20
SE 005337	Block 2	<10	<1	0.03	<10	0.18	300	2	0.02	7	1080	6	0.01	<2	1	16
SE 005338		10	<1	0.06	10	0.17	298	2	0.02	8	620	6	0.01	<2	1	18
SE 005339		<10	<1	0.03	10	0.14	358	1	0.02	5	1030	5	0.01	<2	1	16
SE 005340		<10	<1	0.02	<10	0.12	154	<1	0.02	4	550	3	<0.01	<2	1	10
SE 005341		<10	<1	0.03	<10	0.12	104	1	0.02	5	630	4	0.02	<2	1	15
SE 005342		10	<1	0.04	20	0.17	463	9	0.02	8	370	8	0.03	<2	2	31
SE 005343		10	<1	0.03	<10	0.16	197	1	0.02	7	970	6	0.01	<2	1	12
SE 005344		<10	<1	0.03	10	0.19	566	1	0.01	9	920	9	0.01	<2	1	14
SE 005345		<10	<1	0.06	10	0.20	338	<1	0.01	9	660	7	0.01	<2	1	17
SE 005346		<10	<1	0.04	10	0.18	513	1	0.01	7	1080	9	0.01	<2	1	17
SE 005347		<10	<1	0.04	10	0.17	398	<1	<0.01	5	960	5	0.01	<2	1	17
SE 005348		<10	<1	0.02	10	0.06	50	<1	0.01	2	340	6	0.02	<2	<1	9
SE 005349		<10	<1	0.01	<10	0.06	49	1	<0.01	1	110	7	<0.01	<2	1	6
SE 005350		10	<1	0.02	10	0.06	83	1	0.01	2	620	7	0.02	<2	1	9
SE 005351		<10	<1	0.02	10	0.08	39	<1	0.01	1	200	8	0.01	<2	1	7
SE 005352		<10	<1	0.02	10	0.08	145	1	0.01	2	470	7	0.02	<2	1	12
SE 005353		<10	<1	0.01	10	0.07	63	1	0.01	3	430	6	0.01	<2	1	9
SE 005354		<10	<1	0.03	10	0.13	117	1	0.01	3	660	6	0.02	<2	1	15
SE 005355		<10	<1	0.02	<10	0.09	97	1	0.01	3	790	5	0.01	<2	1	7
SE 005356	Block 4 ext	<10	<1	0.02	10	0.08	124	1	0.01	3	850	7	0.01	2	1	10
SE 005357		<10	<1	0.02	30	0.11	384	3	0.01	4	720	10	0.04	<2	1	28
SE 005358		<10	<1	0.02	10	0.07	131	1	0.01	3	890	6	0.01	2	1	7
SE 005359		10	<1	0.02	10	0.08	129	1	0.01	3	1070	7	0.01	<2	1	7
SE 005360		<10	<1	0.02	10	0.05	64	1	0.01	2	520	6	0.01	<2	1	7
SE 005361		<10	<1	0.02	<10	0.09	165	1	0.01	3	740	7	0.01	<2	1	7
SE 005362		10	<1	0.03	10	0.17	152	1	0.01	4	470	7	0.01	<2	1	10
SE 005363		10	<1	0.02	<10	0.10	155	1	0.01	4	1320	6	0.01	<2	1	7
SE 005364		10	<1	0.02	10	0.11	158	1	0.01	4	950	7	0.01	<2	1	8
SE 005365		10	<1	0.02	10	0.13	139	1	0.01	5	990	7	0.01	2	2	8
SE 005366		10	<1	0.03	<10	0.19	260	2	0.01	6	730	6	0.01	<2	2	15
SE 005367		10	<1	0.03	10	0.14	293	1	0.01	8	690	6	0.01	<2	1	16

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

To: SOLITAIRE MINERALS INC.
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VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005328		<20	0.08	<10	<10	41	<10	62
SE 005329		<20	0.09	<10	<10	44	<10	59
SE 005330		<20	0.09	<10	<10	42	<10	55
SE 005331		<20	0.07	<10	<10	50	<10	37
SE 005332		<20	0.08	<10	<10	40	<10	58
SE 005333		<20	0.09	<10	<10	46	<10	59
SE 005334		<20	0.10	<10	20	60	<10	75
SE 005335		<20	0.07	<10	<10	44	<10	49
SE 005336		<20	0.08	<10	10	46	<10	59
SE 005337	Block 2	<20	0.09	<10	<10	47	<10	77
SE 005338		<20	0.08	<10	<10	39	<10	66
SE 005339		<20	0.09	<10	<10	40	<10	59
SE 005340		<20	0.06	<10	<10	35	<10	25
SE 005341		<20	0.08	<10	<10	40	<10	27
SE 005342		<20	0.08	<10	10	42	<10	28
SE 005343		<20	0.09	<10	<10	46	<10	64
SE 005344		<20	0.08	<10	<10	52	<10	87
SE 005345		<20	0.08	<10	<10	47	<10	69
SE 005346		<20	0.07	<10	<10	43	<10	76
SE 005347		<20	0.07	<10	<10	41	<10	43
SE 005348		<20	0.06	<10	<10	20	<10	13
SE 005349		<20	0.08	<10	<10	19	<10	9
SE 005350		<20	0.09	<10	<10	39	<10	13
SE 005351		<20	0.09	<10	<10	17	<10	9
SE 005352		<20	0.08	<10	<10	33	<10	17
SE 005353		<20	0.08	<10	<10	33	<10	15
SE 005354		<20	0.09	<10	<10	45	<10	26
SE 005355		<20	0.09	<10	<10	46	<10	37
SE 005356	Block 4 ext	<20	0.10	<10	<10	38	<10	31
SE 005357		<20	0.06	<10	<10	30	<10	36
SE 005358		<20	0.09	<10	<10	36	<10	26
SE 005359		<20	0.10	<10	<10	42	<10	29
SE 005360		<20	0.09	<10	<10	31	<10	17
SE 005361		<20	0.08	<10	<10	45	<10	28
SE 005362		<20	0.08	<10	<10	60	<10	28
SE 005363		<20	0.10	<10	<10	52	<10	46
SE 005364		<20	0.10	<10	<10	44	<10	33
SE 005365		<20	0.12	<10	<10	49	<10	49
SE 005366		<20	0.10	<10	<10	53	<10	46
SE 005367		<20	0.08	<10	<10	51	<10	46

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CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE 005368		0.42	<0.005	0.5	1.94	3	<10	70	<0.5	<2	0.09	0.5	3	6	95	1.88
SE 005369		0.52	<0.005	<0.2	1.47	5	<10	50	<0.5	<2	0.11	<0.5	3	7	11	1.85
SE 005370		0.46	<0.005	<0.2	1.84	4	<10	50	<0.5	<2	0.10	<0.5	3	9	11	2.31
SE 005371	Block 4	0.62	<0.005	<0.2	0.85	<2	<10	40	<0.5	<2	0.13	<0.5	2	4	5	0.70
SE 005372	ext.	0.36	<0.005	0.2	1.57	3	<10	40	<0.5	<2	0.11	<0.5	1	6	7	1.55
SE 005373		0.50	<0.005	0.2	1.51	2	<10	80	<0.5	<2	0.16	<0.5	3	7	11	1.19
SE 005374		0.38	<0.005	<0.2	0.94	<2	<10	60	<0.5	<2	0.23	<0.5	2	5	11	1.13
SE 005375		0.52	<0.005	<0.2	1.62	4	<10	60	<0.5	<2	0.12	<0.5	3	8	17	1.86
SE 005376		0.60	<0.005	0.3	0.89	2	<10	40	<0.5	<2	0.17	<0.5	2	5	10	0.98
SE 005377		0.42	<0.005	0.2	1.14	<2	<10	60	<0.5	<2	0.15	<0.5	2	7	16	1.77
SE 005378		0.50	<0.005	0.3	1.60	8	<10	80	<0.5	<2	0.13	<0.5	4	8	17	2.21
SE 005379		0.42	<0.005	<0.2	1.67	<2	<10	130	<0.5	<2	0.18	<0.5	3	6	14	1.50
SE 005380		0.46	<0.005	0.2	1.35	<2	<10	140	<0.5	<2	0.17	<0.5	3	9	10	1.48
SE 005381		0.56	<0.005	<0.2	1.30	<2	<10	100	<0.5	<2	0.31	<0.5	4	10	19	1.72
SE 005382		0.48	<0.005	<0.2	1.52	<2	<10	170	<0.5	<2	0.93	0.6	6	11	42	2.16
SE 005383		0.50	<0.005	0.2	1.30	<2	<10	110	<0.5	<2	0.27	<0.5	4	11	16	1.74
SE 005384		0.54	<0.005	0.2	1.33	<2	<10	120	<0.5	<2	0.25	<0.5	5	14	21	2.02
SE 005385		0.44	<0.005	<0.2	1.34	<2	<10	130	<0.5	<2	0.12	<0.5	2	6	9	1.32
SE 005386		0.56	<0.005	<0.2	0.93	<2	<10	120	<0.5	<2	0.19	<0.5	2	6	5	1.46
SE 005387	Block 6	0.66	<0.005	<0.2	1.85	<2	<10	140	0.5	<2	0.28	<0.5	4	13	17	2.16
SE 005388		0.62	<0.005	<0.2	1.19	2	<10	90	0.9	<2	0.56	<0.5	4	5	7	2.64
SE 005389		0.52	<0.005	<0.2	0.94	<2	<10	120	<0.5	<2	0.14	<0.5	2	5	4	1.36
SE 005390		0.56	<0.005	0.2	1.12	<2	<10	110	<0.5	<2	0.17	<0.5	2	6	5	1.44
SE 005391		0.50	<0.005	<0.2	1.22	<2	<10	150	<0.5	<2	0.26	<0.5	3	7	9	1.41
SE 005392		0.44	0.033	<0.2	1.34	<2	<10	180	<0.5	<2	0.18	<0.5	3	8	10	1.53
SE 005393		0.48	<0.005	<0.2	0.97	<2	<10	80	<0.5	<2	0.26	<0.5	2	9	11	1.75
SE 005394		0.56	<0.005	<0.2	1.06	<2	<10	110	<0.5	<2	0.14	<0.5	2	7	5	1.74
SE 005395		0.58	<0.005	<0.2	1.36	<2	<10	110	<0.5	<2	0.20	<0.5	2	9	9	1.63
SE 005396		0.54	<0.005	<0.2	1.20	<2	<10	110	<0.5	<2	0.13	<0.5	3	7	7	1.40
SE 005406		0.44	<0.005	0.2	1.17	<2	<10	90	<0.5	<2	0.28	<0.5	4	17	19	1.82
SE 005407		0.46	<0.005	0.2	1.67	<2	<10	110	<0.5	<2	0.20	<0.5	4	17	27	1.94
SE 005408		0.42	<0.005	<0.2	1.12	<2	<10	60	<0.5	<2	0.16	<0.5	4	14	14	1.72
SE 005409		0.50	<0.005	<0.2	1.38	<2	<10	100	<0.5	<2	0.28	<0.5	3	14	20	1.63
SE 005410		0.50	0.021	<0.2	1.04	2	<10	70	<0.5	<2	0.23	<0.5	3	15	12	1.80
SE 005411	Block 8	0.38	<0.005	<0.2	1.13	<2	<10	80	<0.5	<2	0.16	<0.5	3	12	12	1.67
SE 005412	2	0.42	<0.005	0.3	1.00	<2	<10	60	<0.5	<2	0.18	<0.5	3	13	13	1.66
SE 005413		0.48	<0.005	<0.2	1.06	2	<10	50	<0.5	<2	0.27	<0.5	4	15	11	1.71
SE 005414		0.44	<0.005	0.2	1.27	2	<10	60	<0.5	<2	0.16	<0.5	4	12	11	1.79
SE 005415		0.40	<0.005	<0.2	1.44	2	<10	60	<0.5	<2	0.13	<0.5	3	10	13	1.67
SE 005416		0.44	<0.005	<0.2	1.25	2	<10	60	<0.5	<2	0.14	<0.5	3	10	12	1.56

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005368		10	<1	0.02	<10	0.16	78	7	0.01	5	340	8	0.02	<2	1	12
SE 005369		<10	<1	0.02	10	0.09	133	1	0.01	4	730	5	0.01	<2	1	11
SE 005370		10	<1	0.03	10	0.12	165	2	0.01	4	1100	7	0.01	<2	1	11
SE 005371	Block 4	<10	<1	0.02	<10	0.13	88	<1	<0.01	1	110	3	<0.01	<2	1	12
SE 005372	ext	<10	<1	0.02	10	0.06	54	1	0.01	2	550	5	0.01	<2	1	12
SE 005373		10	<1	0.02	10	0.13	100	1	0.01	3	370	8	0.01	<2	1	20
SE 005374		<10	<1	0.03	10	0.10	146	1	0.01	2	280	7	0.02	<2	1	27
SE 005375		<10	<1	0.03	<10	0.10	153	1	0.01	3	950	6	0.01	<2	1	11
SE 005376		<10	<1	0.03	<10	0.18	123	1	0.01	4	210	8	0.01	<2	1	18
SE 005377		<10	<1	0.03	<10	0.16	107	<1	0.01	4	560	4	0.01	<2	1	14
SE 005378		10	<1	0.04	<10	0.14	131	1	0.01	6	940	6	0.01	<2	1	24
SE 005379		10	<1	0.05	<10	0.13	356	<1	0.01	6	1330	4	0.01	<2	1	18
SE 005380		10	<1	0.06	<10	0.14	250	<1	0.01	5	460	4	<0.01	<2	2	17
SE 005381		<10	<1	0.10	10	0.18	380	1	0.01	5	460	4	<0.01	<2	3	26
SE 005382		10	<1	0.31	10	0.29	2110	1	0.04	6	1550	7	0.01	<2	4	73
SE 005383		<10	<1	0.09	10	0.19	317	<1	0.01	5	340	5	<0.01	<2	2	28
SE 005384		<10	<1	0.08	10	0.22	172	<1	0.01	8	350	7	<0.01	<2	3	30
SE 005385		<10	<1	0.04	<10	0.10	496	<1	0.01	5	1400	4	<0.01	<2	1	15
SE 005386		<10	<1	0.08	10	0.15	520	<1	0.01	2	280	4	<0.01	<2	1	17
SE 005387	Block 6	10	<1	0.10	10	0.30	183	<1	0.01	6	270	7	<0.01	<2	3	31
SE 005388		10	<1	0.22	30	0.41	411	<1	0.01	1	580	8	<0.01	<2	5	29
SE 005389		<10	<1	0.06	<10	0.09	171	<1	0.01	2	650	4	<0.01	<2	1	16
SE 005390		<10	<1	0.07	10	0.11	282	<1	0.01	3	150	4	<0.01	<2	1	19
SE 005391		<10	<1	0.07	<10	0.12	319	<1	0.01	6	990	4	<0.01	<2	1	28
SE 005392		10	<1	0.05	<10	0.13	332	<1	0.01	5	640	4	<0.01	<2	1	21
SE 005393		<10	<1	0.08	<10	0.15	236	1	0.01	3	190	4	<0.01	<2	2	24
SE 005394		<10	<1	0.08	<10	0.14	371	<1	0.01	2	130	4	<0.01	<2	1	16
SE 005395		10	<1	0.08	<10	0.15	173	<1	0.01	4	200	5	<0.01	<2	2	20
SE 005396		<10	<1	0.05	<10	0.12	288	<1	0.01	4	330	3	<0.01	<2	1	16
SE 005406		<10	<1	0.05	10	0.20	164	<1	0.01	7	450	6	<0.01	<2	1	22
SE 005407		<10	<1	0.06	<10	0.17	113	<1	0.01	10	800	5	<0.01	<2	2	16
SE 005408		<10	<1	0.04	10	0.15	164	<1	0.01	6	940	5	<0.01	<2	1	13
SE 005409		<10	<1	0.05	10	0.19	112	<1	0.02	6	140	5	<0.01	<2	2	22
SE 005410		<10	<1	0.03	10	0.15	149	1	0.01	5	750	4	<0.01	<2	1	17
SE 005411	Block 2	<10	<1	0.03	<10	0.13	273	<1	0.01	6	880	4	<0.01	<2	1	14
SE 005412		<10	<1	0.03	10	0.15	183	<1	0.01	5	520	4	<0.01	<2	1	16
SE 005413		<10	<1	0.03	<10	0.23	195	1	0.01	6	160	5	<0.01	<2	1	20
SE 005414		<10	<1	0.03	10	0.13	148	1	0.01	6	960	6	<0.01	<2	1	13
SE 005415		10	<1	0.03	<10	0.12	145	1	0.01	6	1040	6	<0.01	<2	1	11
SE 005416		<10	<1	0.03	<10	0.11	141	1	0.01	5	990	4	<0.01	<2	1	12

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005368		<20	0.07	<10	<10	37	<10	108
SE 005369		<20	0.08	<10	<10	40	<10	23
SE 005370		<20	0.09	<10	<10	53	<10	30
SE 005371	Block 4 ext	<20	0.06	<10	<10	17	<10	12
SE 005372		<20	0.08	<10	<10	34	<10	16
SE 005373		<20	0.09	<10	<10	35	<10	24
SE 005374		<20	0.07	<10	<10	25	<10	14
SE 005375		<20	0.08	<10	<10	42	<10	27
SE 005376		<20	0.09	<10	<10	23	<10	23
SE 005377		<20	0.07	<10	<10	43	<10	32
SE 005378		<20	0.10	<10	<10	50	<10	48
SE 005379		<20	0.09	<10	<10	33	<10	94
SE 005380		<20	0.09	<10	<10	33	<10	77
SE 005381		<20	0.09	<10	<10	44	<10	52
SE 005382		<20	0.08	<10	<10	47	<10	140
SE 005383		<20	0.10	<10	<10	46	<10	82
SE 005384		<20	0.10	<10	<10	53	<10	50
SE 005385		<20	0.08	<10	<10	31	<10	80
SE 005386		<20	0.07	<10	<10	27	<10	49
SE 005387	Block 6	<20	0.12	<10	<10	52	<10	42
SE 005388		<20	0.03	<10	<10	32	<10	113
SE 005389		<20	0.07	<10	<10	26	<10	31
SE 005390		<20	0.08	<10	<10	30	<10	47
SE 005391		<20	0.08	<10	<10	31	<10	64
SE 005392		<20	0.08	<10	<10	37	<10	56
SE 005393		<20	0.09	<10	<10	42	<10	45
SE 005394		<20	0.09	<10	<10	36	<10	46
SE 005395		<20	0.09	<10	<10	34	<10	58
SE 005396		<20	0.08	<10	<10	30	<10	65
SE 005406		<20	0.08	<10	<10	43	<10	27
SE 005407		<20	0.09	<10	<10	43	<10	29
SE 005408		<20	0.08	<10	<10	43	<10	29
SE 005409		<20	0.09	<10	10	34	<10	15
SE 005410		<20	0.07	<10	<10	47	<10	26
SE 005411	Block 2	<20	0.08	<10	<10	43	<10	32
SE 005412		<20	0.08	<10	<10	45	<10	26
SE 005413		<20	0.09	<10	<10	45	<10	34
SE 005414		<20	0.08	<10	<10	43	<10	39
SE 005415		<20	0.08	<10	<10	40	<10	28
SE 005416		<20	0.08	<10	<10	39	<10	29

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ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
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Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE 005417		0.42	0.006	0.2	1.37	<2	<10	90	<0.5	<2	0.18	<0.5	3	12	10	1.74
SE 005418		0.50	<0.005	<0.2	1.17	<2	<10	90	<0.5	<2	0.18	<0.5	3	10	12	1.72
SE 005419		0.42	<0.005	0.2	2.08	<2	<10	140	<0.5	<2	0.25	<0.5	5	15	28	2.06
SE 005420		0.44	<0.005	0.2	1.64	2	<10	60	<0.5	<2	0.15	<0.5	4	10	17	1.91
SE 005421		0.40	<0.005	0.2	1.35	2	<10	70	<0.5	<2	0.18	<0.5	4	12	14	2.02
SE 005422		0.40	<0.005	<0.2	1.49	<2	<10	70	<0.5	<2	0.20	<0.5	4	14	15	1.99
SE 005423		0.44	<0.005	<0.2	1.52	<2	<10	80	<0.5	<2	0.18	<0.5	4	9	18	1.73
SE 005424		0.38	<0.005	<0.2	1.02	<2	<10	60	<0.5	<2	0.19	<0.5	2	9	11	1.68
SE 005427		0.42	<0.005	0.2	1.61	<2	<10	110	<0.5	<2	0.28	<0.5	6	14	20	1.99
SE 005428	Block 2	0.40	<0.005	<0.2	1.26	<2	<10	80	<0.5	<2	0.38	<0.5	5	14	15	1.81
SE 005429		0.56	<0.005	0.2	1.54	2	<10	170	<0.5	<2	0.69	<0.5	5	20	41	2.62
SE 005430		0.46	<0.005	<0.2	1.34	3	<10	90	<0.5	<2	0.33	<0.5	3	12	18	1.50
SE 005431		0.48	<0.005	0.3	1.68	<2	<10	100	<0.5	<2	0.41	<0.5	5	15	15	2.05
SE 005432		0.40	<0.005	0.3	1.21	3	<10	80	<0.5	<2	0.29	<0.5	6	15	15	2.10
SE 005433		0.44	<0.005	0.5	1.79	5	<10	180	<0.5	<2	0.74	0.5	7	17	94	2.48
SE 005434		0.46	<0.005	<0.2	1.35	<2	<10	150	<0.5	<2	0.35	<0.5	6	17	17	2.29
SE 005435		0.52	<0.005	<0.2	0.90	<2	<10	80	<0.5	<2	0.32	<0.5	5	17	10	2.28
SE 005436		0.46	<0.005	<0.2	1.10	4	<10	80	<0.5	<2	0.36	<0.5	6	17	15	2.38
SE 005437		0.48	<0.005	0.2	1.44	5	<10	120	<0.5	<2	0.29	<0.5	7	17	15	2.10
SE 005438		0.36	<0.005	0.2	1.42	6	<10	60	<0.5	<2	0.12	<0.5	4	9	20	1.93
SE 005439		0.38	<0.005	0.2	1.15	6	<10	40	<0.5	<2	0.14	<0.5	5	9	20	2.06
SE 005440		0.40	<0.005	0.2	1.19	5	<10	40	<0.5	<2	0.11	<0.5	4	8	13	2.08
SE 005441		0.42	<0.005	0.2	1.97	6	<10	50	<0.5	<2	0.08	<0.5	5	9	14	2.28
SE 005442		0.36	<0.005	<0.2	3.71	13	<10	30	<0.5	4	0.07	<0.5	3	9	34	2.20
SE 005443		0.36	<0.005	<0.2	2.00	11	<10	60	<0.5	2	0.10	<0.5	5	8	25	2.00
SE 005444		0.36	<0.005	0.2	2.65	8	<10	90	0.5	<2	0.14	<0.5	7	9	40	2.26
SE 005445		0.36	<0.005	<0.2	2.07	8	<10	60	<0.5	3	0.11	<0.5	6	10	24	2.30
SE 005446		0.32	<0.005	<0.2	1.85	5	<10	70	<0.5	<2	0.11	<0.5	6	11	20	2.19
SE 005447	Block 4 ext	0.44	0.028	<0.2	1.77	7	<10	90	<0.5	2	0.14	<0.5	6	12	26	2.21
SE 005448		0.40	<0.005	0.2	1.22	4	<10	70	<0.5	<2	0.12	<0.5	4	8	11	1.97
SE 005449		0.44	<0.005	<0.2	1.68	6	<10	80	<0.5	<2	0.11	<0.5	5	9	12	2.42
SE 005450		0.40	<0.005	<0.2	1.54	7	<10	80	<0.5	<2	0.12	<0.5	6	9	15	2.17
SE 005451		0.46	<0.005	<0.2	1.66	7	<10	80	<0.5	2	0.12	<0.5	6	10	18	2.40
SE 005452		0.40	<0.005	<0.2	1.56	3	<10	80	<0.5	2	0.21	<0.5	5	9	12	1.89
SE 005453		0.38	<0.005	0.2	1.51	7	<10	80	<0.5	<2	0.12	<0.5	6	9	14	2.07
SE 005454		0.44	<0.005	<0.2	1.70	5	<10	90	<0.5	<2	0.12	<0.5	5	8	11	1.89
SE 005455		0.38	<0.005	<0.2	2.25	5	<10	80	<0.5	<2	0.09	<0.5	5	10	14	2.22
SE 005456		0.42	<0.005	<0.2	1.44	3	<10	80	<0.5	<2	0.11	<0.5	5	9	10	2.01
SE 005457		0.46	<0.005	0.2	1.47	2	<10	80	<0.5	2	0.12	<0.5	4	8	9	2.11
SE 005458		0.40	<0.005	<0.2	1.55	4	<10	70	<0.5	2	0.11	<0.5	5	9	11	2.27

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005417		<10	<1	0.03	10	0.15	349	<1	0.01	6	960	8	<0.01	<2	1	14
SE 005418		<10	<1	0.03	10	0.14	202	1	0.01	4	970	7	<0.01	<2	1	15
SE 005419		10	<1	0.05	10	0.19	159	1	0.01	8	940	8	<0.01	<2	2	21
SE 005420		10	<1	0.03	10	0.15	417	1	0.01	5	890	11	<0.01	<2	2	13
SE 005421		<10	<1	0.03	10	0.15	216	<1	0.01	6	1000	11	<0.01	<2	1	15
SE 005422		10	<1	0.04	<10	0.17	199	<1	0.01	7	560	6	<0.01	<2	1	19
SE 005423		10	<1	0.03	10	0.12	92	1	0.01	6	720	7	<0.01	<2	1	16
SE 005424		<10	<1	0.03	10	0.10	194	1	0.01	3	870	8	<0.01	<2	1	16
SE 005427		<10	<1	0.04	<10	0.20	186	1	0.02	7	710	10	0.01	<2	2	20
SE 005428	Block 2	<10	<1	0.05	10	0.24	152	1	0.03	4	220	10	0.01	2	2	27
SE 005429		<10	<1	0.03	10	0.31	249	1	0.03	4	650	13	0.01	2	5	35
SE 005430		<10	<1	0.03	10	0.24	100	<1	0.03	3	310	12	0.01	2	2	24
SE 005431		<10	<1	0.04	<10	0.20	137	<1	0.03	6	600	9	0.01	3	2	28
SE 005432		<10	<1	0.04	<10	0.22	215	1	0.02	4	1110	7	0.01	2	2	21
SE 005433		<10	<1	0.07	10	0.30	363	1	0.03	9	440	14	0.03	<2	4	43
SE 005434		<10	<1	0.06	<10	0.26	389	1	0.02	5	730	10	0.01	<2	2	24
SE 005435		<10	<1	0.04	<10	0.22	346	<1	0.02	4	1160	9	0.01	<2	2	22
SE 005436		<10	<1	0.07	<10	0.26	229	<1	0.02	4	840	11	0.01	<2	2	23
SE 005437		10	<1	0.06	<10	0.27	286	1	0.02	10	720	7	0.01	<2	2	22
SE 005438		<10	<1	0.02	10	0.14	114	2	0.02	3	1030	7	0.02	2	1	14
SE 005439		<10	<1	0.02	10	0.15	132	2	0.02	3	430	5	0.01	<2	1	12
SE 005440		10	<1	0.02	10	0.10	107	1	0.02	1	790	8	0.01	<2	1	8
SE 005441		<10	1	0.02	10	0.13	285	1	0.02	3	920	5	0.02	<2	1	8
SE 005442		10	<1	0.02	10	0.14	116	2	0.02	3	1430	6	0.04	<2	2	7
SE 005443		10	<1	0.03	10	0.15	245	1	0.02	5	750	6	0.02	<2	2	11
SE 005444		10	<1	0.05	10	0.21	335	2	0.02	7	910	7	0.02	<2	2	19
SE 005445		10	<1	0.04	<10	0.19	370	1	0.02	5	720	7	0.02	2	1	10
SE 005446		10	<1	0.04	<10	0.21	328	1	0.02	8	720	5	0.02	<2	2	13
SE 005447	Block 4 ext	10	<1	0.04	10	0.24	377	2	0.03	7	620	7	0.02	<2	2	14
SE 005448		<10	<1	0.03	<10	0.14	195	1	0.02	4	560	5	0.02	3	1	16
SE 005449		<10	<1	0.03	10	0.17	215	1	0.02	3	650	6	0.02	<2	1	12
SE 005450		10	<1	0.03	10	0.18	284	1	0.02	6	800	6	0.02	2	1	15
SE 005451		<10	<1	0.03	10	0.17	286	1	0.02	5	800	16	0.02	<2	2	14
SE 005452		<10	<1	0.04	10	0.20	318	2	0.03	5	310	6	0.02	<2	1	28
SE 005453		<10	<1	0.03	10	0.16	336	1	0.02	6	560	8	0.02	<2	1	14
SE 005454		<10	<1	0.03	10	0.14	637	1	0.02	5	720	7	0.02	2	2	12
SE 005455		10	<1	0.03	10	0.16	396	1	0.02	5	870	7	0.02	<2	2	10
SE 005456		<10	<1	0.03	10	0.16	506	1	0.02	4	610	8	0.02	2	1	10
SE 005457		<10	<1	0.03	10	0.17	335	1	0.02	5	700	10	0.02	<2	1	11
SE 005458		10	<1	0.03	10	0.14	307	1	0.02	5	780	7	0.02	<2	1	11

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005417		<20	0.08	<10	<10	42	<10	69
SE 005418		<20	0.07	<10	<10	40	<10	39
SE 005419		<20	0.09	<10	10	48	<10	53
SE 005420		<20	0.09	<10	<10	45	<10	57
SE 005421		<20	0.08	<10	<10	50	<10	59
SE 005422		<20	0.09	<10	<10	54	<10	31
SE 005423		<20	0.08	<10	<10	40	<10	44
SE 005424		<20	0.06	<10	<10	40	<10	33
SE 005427		<20	0.08	<10	<10	49	<10	83
SE 005428	Block 2	<20	0.09	<10	<10	49	<10	33
SE 005429		<20	0.09	<10	<10	62	<10	35
SE 005430		<20	0.09	<10	<10	34	<10	31
SE 005431		<20	0.08	<10	<10	45	<10	80
SE 005432		<20	0.08	<10	<10	56	<10	62
SE 005433		<20	0.08	<10	<10	66	<10	81
SE 005434		<20	0.08	<10	<10	57	<10	77
SE 005435		<20	0.07	<10	<10	61	<10	88
SE 005436		<20	0.08	<10	<10	65	<10	76
SE 005437		<20	0.09	<10	<10	54	<10	91
SE 005438		<20	0.09	<10	<10	49	<10	33
SE 005439		<20	0.08	<10	<10	53	<10	39
SE 005440		<20	0.07	<10	<10	52	<10	46
SE 005441		<20	0.10	<10	<10	55	<10	44
SE 005442		<20	0.13	<10	<10	46	<10	26
SE 005443		<20	0.10	<10	<10	46	<10	48
SE 005444		<20	0.14	<10	<10	52	<10	90
SE 005445		<20	0.12	<10	<10	57	<10	69
SE 005446		<20	0.11	<10	<10	54	<10	73
SE 005447	Block 4 ext	<20	0.12	<10	<10	53	<10	89
SE 005448		<20	0.09	<10	<10	49	<10	52
SE 005449		<20	0.11	<10	<10	63	<10	52
SE 005450		<20	0.10	<10	<10	55	<10	69
SE 005451		<20	0.11	<10	<10	62	<10	75
SE 005452		<20	0.09	<10	<10	45	<10	56
SE 005453		<20	0.10	<10	<10	50	<10	47
SE 005454		<20	0.10	<10	<10	44	<10	78
SE 005455		<20	0.12	<10	<10	53	<10	58
SE 005456		<20	0.09	<10	<10	50	<10	66
SE 005457		<20	0.09	<10	<10	53	<10	63
SE 005458		<20	0.09	<10	<10	55	<10	74

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE 005558	Block 6	0.50	<0.005	<0.2	0.78	<2	<10	100	<0.5	<2	0.16	<0.5	3	7	11	1.36
SE 005559		0.60	<0.005	<0.2	1.22	<2	<10	150	0.6	<2	0.26	<0.5	3	11	14	1.69
SE 005560		0.52	<0.005	<0.2	0.70	2	<10	80	<0.5	<2	0.25	<0.5	3	8	12	1.59
SE 005561		0.50	0.011	<0.2	0.61	2	<10	60	<0.5	<2	0.19	<0.5	3	8	12	1.40
SE 005562		0.58	<0.005	<0.2	0.57	3	<10	50	<0.5	<2	0.20	<0.5	4	9	15	1.93
SE 005563		0.46	<0.005	<0.2	1.52	<2	<10	130	<0.5	<2	0.37	<0.5	6	11	13	2.24
SE 005564		0.50	<0.005	<0.2	1.51	4	<10	110	<0.5	<2	0.54	<0.5	9	18	42	3.07
SE 005565		0.50	<0.005	<0.2	1.62	3	<10	140	<0.5	<2	0.36	<0.5	6	11	19	2.15
SE 005566		0.44	<0.005	<0.2	1.68	5	<10	150	<0.5	<2	0.38	<0.5	6	12	22	2.34
SE 005567		0.48	<0.005	<0.2	1.57	3	<10	120	<0.5	<2	0.40	<0.5	7	13	17	2.46
SE 005568		0.44	<0.005	<0.2	1.34	2	<10	100	<0.5	<2	0.73	<0.5	9	17	42	2.86
SE 005569		0.50	<0.005	0.3	1.44	8	<10	140	<0.5	<2	0.27	<0.5	7	11	16	2.46
SE 005570		0.44	<0.005	<0.2	1.60	5	<10	140	<0.5	<2	0.32	<0.5	7	11	20	2.25
SE 005571	Block 1	0.60	<0.005	0.2	1.53	6	<10	180	<0.5	<2	0.59	<0.5	8	13	37	2.74
SE 005572		0.46	<0.005	<0.2	1.65	<2	<10	190	<0.5	<2	0.26	<0.5	7	10	22	2.29
SE 005573		0.40	<0.005	0.2	1.36	5	<10	160	<0.5	<2	0.27	<0.5	6	10	20	1.94
SE 005574		0.44	<0.005	<0.2	1.73	3	<10	160	<0.5	<2	0.31	<0.5	7	12	34	2.37
SE 005575		0.52	<0.005	0.2	2.21	6	<10	170	0.5	<2	0.46	<0.5	11	20	56	3.37
SE 005576		0.58	<0.005	<0.2	1.74	6	<10	100	<0.5	<2	0.70	<0.5	14	25	127	3.77
SE 005577		0.58	<0.005	0.4	2.30	10	<10	160	<0.5	<2	1.03	0.5	19	32	168	4.98
SE 005578		0.54	<0.005	<0.2	1.51	3	<10	100	<0.5	<2	0.32	<0.5	7	13	21	2.39
SE 005579		0.40	<0.005	<0.2	1.61	3	<10	130	<0.5	<2	0.34	<0.5	7	13	23	2.38
SE 005580		0.44	<0.005	<0.2	1.44	<2	<10	110	<0.5	<2	0.34	<0.5	6	12	14	2.13
SE 005581		0.46	<0.005	<0.2	1.66	<2	<10	120	<0.5	<2	0.38	<0.5	8	14	29	2.57
SE 005582		0.40	<0.005	<0.2	1.56	<2	<10	200	<0.5	<2	0.21	<0.5	4	9	11	1.53
SE 005583		0.54	<0.005	<0.2	1.41	<2	<10	180	<0.5	<2	0.39	<0.5	4	10	17	1.69
SE 005584		0.44	<0.005	<0.2	1.03	2	<10	100	<0.5	<2	0.18	<0.5	3	7	9	1.48
SE 005585		0.54	<0.005	<0.2	1.53	<2	<10	140	<0.5	<2	0.19	<0.5	4	8	18	1.46
SE 005586		0.58	<0.005	<0.2	1.31	<2	<10	120	<0.5	<2	0.18	<0.5	4	8	11	1.62
SE 005587	Block 6	0.62	<0.005	<0.2	1.55	2	<10	110	<0.5	<2	0.23	<0.5	5	12	20	1.91
SE 005588		0.58	<0.005	<0.2	1.76	<2	<10	160	<0.5	<2	0.23	<0.5	5	10	14	1.81
SE 005589		0.56	<0.005	<0.2	2.12	<2	<10	250	<0.5	<2	0.22	<0.5	5	10	22	1.91
SE 005590		0.54	<0.005	<0.2	2.00	2	<10	160	<0.5	<2	0.16	<0.5	5	10	23	1.61
SE 005591		0.52	<0.005	<0.2	1.76	2	<10	130	<0.5	<2	0.23	<0.5	5	10	17	1.72
SE 005592		Not Recvd														
TE 005137	Block 2	0.68	<0.005	0.5	2.49	2	<10	210	1.0	<2	0.82	<0.5	7	20	80	2.74
TE 005138		0.58	<0.005	0.5	2.59	4	<10	210	1.2	<2	0.91	<0.5	7	23	94	3.01
TE 005139		0.36	<0.005	0.9	2.79	3	<10	220	1.3	<2	0.90	<0.5	7	23	128	2.86
TE 005140		0.44	<0.005	0.8	2.28	3	<10	200	1.1	2	0.77	<0.5	7	20	108	2.63
TE 005141		0.36	<0.005	0.7	3.75	4	<10	250	1.7	3	0.79	<0.5	7	27	142	3.37

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005558		<10	<1	0.05	10	0.08	325	1	0.02	4	1050	6	0.01	<2	1	17
SE 005559		<10	<1	0.08	20	0.15	539	1	0.01	6	1290	9	0.01	<2	3	28
SE 005560	Block 6	<10	<1	0.06	10	0.11	259	1	0.02	4	430	7	<0.01	<2	2	21
SE 005561		<10	1	0.07	10	0.12	259	1	0.02	4	260	5	0.01	<2	2	18
SE 005562		<10	<1	0.05	10	0.14	275	1	0.01	4	360	7	<0.01	<2	2	17
SE 005563		<10	<1	0.07	<10	0.28	839	1	0.02	5	570	5	0.01	<2	3	51
SE 005564		<10	<1	0.11	<10	0.53	433	1	0.02	9	730	5	0.01	<2	5	39
SE 005565		<10	<1	0.06	<10	0.30	648	1	0.02	6	1040	6	0.01	<2	3	33
SE 005566		<10	<1	0.07	<10	0.33	521	1	0.02	6	860	6	0.01	<2	3	30
SE 005567		<10	<1	0.09	<10	0.35	324	1	0.02	8	820	5	0.01	<2	3	34
SE 005568		<10	<1	0.05	10	0.57	354	1	0.03	8	690	7	0.02	<2	5	38
SE 005569		<10	<1	0.07	<10	0.30	740	3	0.02	5	650	7	0.02	<2	3	20
SE 005570		<10	<1	0.05	<10	0.31	641	1	0.02	7	990	6	0.01	<2	3	20
SE 005571		<10	<1	0.07	<10	0.37	1010	1	0.03	8	1570	9	0.02	<2	4	36
SE 005572	Block 1	<10	<1	0.06	<10	0.26	760	1	0.03	6	1330	5	0.01	<2	3	19
SE 005573		<10	<1	0.05	<10	0.25	874	<1	0.02	7	1260	5	0.01	<2	2	20
SE 005574		10	<1	0.08	<10	0.33	705	1	0.02	8	1350	6	0.01	<2	3	23
SE 005575		<10	<1	0.08	10	0.61	718	1	0.02	11	1110	10	0.01	<2	6	31
SE 005576		<10	<1	0.08	10	0.86	731	1	0.02	13	1000	6	0.01	<2	7	49
SE 005577		10	<1	0.11	10	1.21	1270	1	0.04	19	1180	11	0.02	<2	11	56
SE 005578		<10	1	0.05	<10	0.31	685	1	0.02	7	1110	5	0.02	<2	3	19
SE 005579		<10	<1	0.06	<10	0.35	462	1	0.02	7	720	7	0.01	<2	3	22
SE 005580		<10	<1	0.09	<10	0.27	458	1	0.02	6	590	5	0.01	<2	3	21
SE 005581		<10	<1	0.07	<10	0.39	537	1	0.03	8	890	7	0.02	<2	3	23
SE 005582		<10	<1	0.09	<10	0.15	268	1	0.03	6	510	7	0.01	<2	2	21
SE 005583		<10	<1	0.08	10	0.18	242	<1	0.02	6	730	6	0.01	<2	2	33
SE 005584		10	1	0.10	<10	0.11	270	1	0.02	5	490	5	0.01	<2	1	18
SE 005585		<10	<1	0.09	<10	0.15	192	<1	0.03	7	690	6	0.01	<2	2	26
SE 005586		<10	<1	0.07	<10	0.14	418	1	0.03	5	300	5	0.01	<2	1	21
SE 005587	Block 6	<10	<1	0.10	<10	0.23	295	1	0.02	7	340	6	0.01	<2	2	28
SE 005588		<10	<1	0.08	<10	0.18	558	<1	0.03	6	260	7	0.01	<2	2	25
SE 005589		<10	1	0.06	<10	0.20	383	<1	0.03	8	670	7	0.01	<2	2	34
SE 005590		10	1	0.05	10	0.19	332	1	0.03	9	1010	6	0.01	<2	2	19
SE 005591		<10	1	0.07	<10	0.18	334	1	0.03	10	1140	6	0.01	<2	2	24
SE 005592																
TE 005137		<10	<1	0.09	40	0.32	900	9	0.03	10	500	42	0.04	<2	5	53
TE 005138		<10	<1	0.10	50	0.33	581	7	0.03	12	520	58	0.07	<2	5	51
TE 005139	Block 2	10	<1	0.11	60	0.37	625	10	0.03	13	470	18	0.04	<2	6	55
TE 005140		10	<1	0.10	50	0.35	773	11	0.02	11	420	18	0.02	<2	5	47
TE 005141		10	1	0.11	60	0.39	647	8	0.03	15	430	18	0.02	2	8	50

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005558		<20	0.05	<10	<10	26	<10	63
SE 005559		<20	0.05	<10	<10	26	<10	60
SE 005560	Block 6	<20	0.05	<10	<10	31	<10	31
SE 005561		<20	0.05	<10	<10	31	<10	31
SE 005562		<20	0.06	<10	<10	44	<10	28
SE 005563		<20	0.09	<10	<10	55	<10	79
SE 005564		<20	0.11	<10	<10	78	<10	66
SE 005565		<20	0.08	<10	<10	48	<10	68
SE 005566		<20	0.08	<10	<10	52	<10	71
SE 005567		<20	0.09	<10	<10	56	<10	78
SE 005568		<20	0.09	<10	<10	74	<10	67
SE 005569		<20	0.08	<10	<10	54	<10	86
SE 005570		<20	0.08	<10	<10	50	<10	100
SE 005571		<20	0.07	<10	<10	61	<10	130
SE 005572	Block 1	<20	0.07	<10	<10	50	<10	114
SE 005573		<20	0.07	<10	<10	45	<10	94
SE 005574		<20	0.08	<10	<10	55	<10	101
SE 005575		<20	0.11	<10	<10	78	<10	92
SE 005576		<20	0.12	<10	<10	96	<10	70
SE 005577		<20	0.14	<10	<10	112	<10	121
SE 005578		<20	0.09	<10	<10	59	<10	82
SE 005579		<20	0.09	<10	<10	56	<10	84
SE 005580		<20	0.09	<10	<10	51	<10	75
SE 005581		<20	0.10	<10	<10	60	<10	96
SE 005582		<20	0.09	<10	<10	31	<10	79
SE 005583		<20	0.09	<10	<10	39	<10	65
SE 005584		<20	0.08	<10	<10	35	<10	64
SE 005585		<20	0.08	<10	<10	30	<10	80
SE 005586		<20	0.08	<10	<10	36	<10	80
SE 005587	Block 6	<20	0.11	<10	<10	45	<10	59
SE 005588		<20	0.10	<10	<10	39	<10	76
SE 005589		<20	0.10	<10	<10	38	<10	92
SE 005590		<20	0.09	<10	<10	35	<10	98
SE 005591		<20	0.09	<10	<10	38	<10	77
SE 005592								
TE 005137		<20	0.07	<10	40	48	<10	131
TE 005138		<20	0.08	<10	40	50	<10	122
TE 005139	Block 2	<20	0.08	<10	50	56	<10	71
TE 005140		<20	0.08	<10	40	58	<10	71
TE 005141		20	0.10	<10	40	63	<10	69

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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
TE 005142	Block 2	0.42	0.008	0.7	3.13	<2	<10	230	1.5	2	0.79	<0.5	7	24	137	3.01
TE 005143		0.48	0.007	0.5	2.80	<2	<10	230	1.3	2	0.98	<0.5	5	18	121	2.50
TE 005546		0.62	<0.005	<0.2	0.45	<2	<10	40	<0.5	<2	0.23	<0.5	3	17	9	2.76
TE 005547	Block 6	0.46	<0.005	0.2	1.91	<2	<10	110	0.9	<2	0.90	<0.5	4	14	67	2.43
SE 005425	Block 2	0.36	<0.005	0.2	0.96	<2	<10	60	<0.5	<2	0.21	<0.5	3	9	17	1.42
SE 005426		0.50	<0.005	0.2	1.07	<2	<10	80	<0.5	2	0.29	<0.5	4	14	14	1.53

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Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
TE 005142	Block 2	10	<1	0.10	50	0.36	609	8	0.03	14	510	16	0.03	<2	7	48
TE 005143		10	<1	0.09	60	0.28	800	7	0.03	10	730	12	0.06	<2	5	55
TE 005546	Block 6	<10	<1	0.03	10	0.11	334	1	0.02	4	350	6	<0.01	<2	2	19
TE 005547		10	<1	0.08	30	0.28	537	1	0.02	9	610	8	0.03	<2	6	59
SE 005425		<10	<1	0.03	10	0.14	95	<1	0.02	4	180	6	<0.01	<2	1	18
SE 005426	Block 2	<10	<1	0.04	10	0.25	151	<1	0.02	7	170	6	<0.01	<2	2	22

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Finalized Date: 7-NOV-2009
Account: SOMIIN

Project: Copper Mountain

CERTIFICATE OF ANALYSIS VA09120242

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
TE 005142	Block 2	<20	0.09	<10	40	57	<10	64
TE 005143		<20	0.07	<10	50	45	<10	49
TE 005546		<20	0.07	<10	<10	73	<10	30
TE 005547	Block 6	<20	0.06	<10	<10	51	<10	46
SE 005425		<20	0.07	<10	<10	33	<10	27
SE 005426	Block 2	<20	0.08	<10	<10	37	<10	30

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To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 16-NOV-2009
This copy reported on 6-JAN-2010
Account: SOMIIN

CERTIFICATE VA09123866

Project: Copper Mtn

P.O. No.:

This report is for 156 Sediment samples submitted to our lab in Vancouver, BC, Canada on 2-NOV-2009.

The following have access to data associated with this certificate:

CHARLES DESJARDINS	CARL SCHULZE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
EXTRA-01	Extra Sample received in Shipment
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: SOLITAIRE MINERALS INC.
ATTN: CARL SCHULZE
35 DAWSON ROAD
WHITEHORSE YT Y1A 5T6

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 16-NOV-2009
Account: SOMIIN

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE 004541		0.46	<0.005	<0.2	1.77	<2	<10	190	<0.5	<2	0.32	<0.5	7	11	10	2.22
SE 004542		0.48	<0.005	<0.2	1.44	<2	<10	180	<0.5	<2	0.41	<0.5	6	13	11	2.12
SE 004543		0.44	<0.005	0.2	1.75	<2	<10	160	<0.5	<2	0.37	<0.5	6	10	12	2.23
SE 004544		0.46	0.032	1.0	2.95	32	<10	210	0.8	<2	0.61	<0.5	14	16	31	4.21
SE 004545		0.44	<0.005	<0.2	1.62	<2	<10	270	<0.5	<2	0.36	<0.5	6	12	10	2.25
SE 004546	Block 1 ext.	0.42	<0.005	<0.2	1.55	3	<10	220	<0.5	<2	0.38	<0.5	6	9	13	2.01
SE 004547		0.54	<0.005	0.2	1.42	<2	<10	180	<0.5	<2	0.42	<0.5	7	11	15	2.10
SE 004548		0.44	<0.005	<0.2	1.63	<2	<10	150	<0.5	<2	0.40	<0.5	7	12	13	2.20
SE 004549		0.44	<0.005	0.2	1.69	<2	<10	160	<0.5	<2	0.26	<0.5	6	11	13	2.20
SE 004550		0.40	<0.005	<0.2	1.73	2	<10	290	<0.5	<2	0.42	<0.5	6	11	15	2.13
SE 004551		0.38	<0.005	0.2	1.83	3	<10	300	<0.5	<2	0.43	<0.5	6	10	14	2.28
SE 005492		0.48	<0.005	<0.2	1.32	3	<10	90	<0.5	<2	0.20	<0.5	3	10	11	1.63
SE 005493		0.56	<0.005	<0.2	1.16	<2	<10	100	<0.5	<2	0.25	<0.5	4	12	12	1.87
SE 005494		0.60	<0.005	0.3	1.27	<2	<10	90	<0.5	<2	0.28	<0.5	4	13	16	1.89
SE 005495	Block 6	0.46	<0.005	<0.2	1.19	<2	<10	100	<0.5	<2	0.23	<0.5	4	15	21	1.90
SE 005496		0.54	<0.005	0.2	1.37	2	<10	100	<0.5	2	0.29	<0.5	4	18	18	1.92
SE 005497		0.46	0.009	<0.2	1.50	<2	<10	110	<0.5	<2	0.24	<0.5	4	14	14	1.87
SE 005498		0.64	0.293	<0.2	1.19	<2	<10	70	<0.5	<2	0.22	<0.5	4	10	11	1.70
SE 005499	Block 4 ext	0.48	<0.005	<0.2	1.79	4	<10	100	<0.5	<2	0.16	<0.5	6	11	13	2.41
SE 005500		0.40	<0.005	0.4	2.13	6	<10	90	0.5	<2	0.16	0.7	8	12	21	2.80
SE 005592		0.40	<0.005	0.4	2.47	<2	<10	160	0.5	<2	0.41	<0.5	8	16	89	2.61
SE 005593		0.50	<0.005	0.2	1.63	<2	<10	100	<0.5	<2	0.49	<0.5	6	16	47	2.52
SE 005594		0.44	<0.005	0.2	1.59	3	<10	140	<0.5	<2	0.34	0.5	7	15	14	2.29
SE 005595		0.46	<0.005	0.3	1.59	<2	<10	140	<0.5	<2	0.29	<0.5	6	13	11	2.02
SE 005596		0.42	<0.005	0.3	1.57	2	<10	160	<0.5	<2	0.35	0.5	6	12	14	2.25
SE 005597		0.46	0.049	0.2	1.44	<2	<10	140	<0.5	<2	0.38	<0.5	6	17	19	2.25
SE 005598		0.36	<0.005	0.2	1.34	<2	<10	90	<0.5	<2	0.32	<0.5	6	15	15	2.15
SE 005599		0.40	<0.005	0.2	1.27	4	<10	90	<0.5	<2	0.32	<0.5	5	17	15	2.36
SE 005600		0.42	<0.005	0.2	1.19	<2	<10	130	<0.5	<2	0.30	<0.5	5	10	10	1.93
SE 005601	Block 2	0.44	<0.005	0.2	1.60	<2	<10	120	<0.5	<2	0.36	<0.5	8	21	39	2.34
SE 005602		0.40	<0.005	0.3	1.36	3	<10	190	<0.5	<2	0.35	<0.5	6	10	23	1.56
SE 005603		0.46	<0.005	0.2	1.30	3	<10	130	<0.5	<2	0.33	0.5	7	13	23	1.98
SE 005604		0.46	<0.005	0.6	1.70	2	<10	110	<0.5	<2	0.73	2.1	7	14	502	2.14
SE 005605		0.42	0.008	0.2	1.44	<2	<10	160	<0.5	<2	0.38	<0.5	8	16	26	2.55
SE 005606		0.42	<0.005	0.3	1.50	2	<10	140	<0.5	<2	0.36	<0.5	7	14	35	2.15
SE 005607		0.40	0.005	0.3	1.02	<2	<10	110	<0.5	<2	0.33	<0.5	5	14	12	2.12
SE 005608		0.46	<0.005	<0.2	1.24	2	<10	140	<0.5	<2	0.28	<0.5	5	13	15	1.87
SE 005609		0.42	<0.005	0.2	1.31	<2	<10	150	<0.5	<2	0.34	<0.5	6	14	16	1.98
SE 005610		0.48	<0.005	0.3	1.22	2	<10	110	<0.5	<2	0.24	<0.5	5	13	13	2.00
SE 005611		0.44	<0.005	0.3	1.46	<2	<10	150	<0.5	<2	0.27	<0.5	5	14	19	2.10

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

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To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 004541		10	<1	0.08	<10	0.31	432	<1	0.02	5	460	4	0.01	<2	3	39
SE 004542		10	1	0.11	<10	0.32	477	1	0.02	5	580	3	0.02	<2	3	38
SE 004543		10	1	0.14	<10	0.28	597	1	0.02	5	540	5	0.02	<2	3	35
SE 004544		10	1	0.13	10	1.12	621	35	0.02	9	710	11	0.05	<2	6	41
SE 004545		10	1	0.08	<10	0.30	790	1	0.02	5	1390	4	0.01	<2	3	29
SE 004546	Block 1 ext.	10	<1	0.07	<10	0.28	840	1	0.02	3	1500	6	0.02	<2	3	30
SE 004547		<10	<1	0.09	<10	0.31	897	1	0.02	4	750	5	0.02	<2	3	29
SE 004548		10	<1	0.09	<10	0.30	621	1	0.02	6	480	7	0.02	<2	3	32
SE 004549		10	<1	0.12	10	0.28	702	1	0.02	5	980	4	0.02	<2	3	25
SE 004550		10	<1	0.11	10	0.27	1085	<1	0.02	6	670	7	0.01	<2	4	40
SE 004551		10	<1	0.11	10	0.26	1170	<1	0.02	7	660	8	0.02	<2	3	30
SE 005492		<10	<1	0.06	<10	0.13	251	<1	0.01	6	270	8	<0.01	<2	2	22
SE 005493		<10	<1	0.11	<10	0.21	314	<1	<0.01	6	250	6	<0.01	<2	2	24
SE 005494		10	<1	0.13	10	0.19	117	<1	0.02	6	190	5	<0.01	<2	3	31
SE 005495	Block 6	<10	<1	0.10	10	0.20	137	<1	0.01	8	220	6	<0.01	3	3	26
SE 005496		10	<1	0.09	10	0.22	378	<1	0.01	9	230	5	<0.01	<2	3	33
SE 005497		<10	<1	0.07	<10	0.22	306	<1	0.01	8	250	5	<0.01	<2	2	27
SE 005498		<10	<1	0.04	<10	0.17	160	<1	0.02	5	160	5	<0.01	<2	2	23
SE 005499	Block 4 ext	10	<1	0.04	10	0.21	243	<1	0.02	8	850	7	<0.01	<2	1	20
SE 005500		10	<1	0.04	10	0.19	438	1	0.02	13	1140	7	0.01	<2	2	17
SE 005592		10	<1	0.09	10	0.29	392	1	0.03	13	490	30	<0.01	<2	5	29
SE 005593		<10	<1	0.06	10	0.26	358	<1	0.02	8	280	23	0.01	<2	3	30
SE 005594		10	<1	0.06	<10	0.28	541	<1	0.02	9	990	46	0.01	2	2	23
SE 005595		<10	<1	0.05	<10	0.24	451	<1	0.02	8	1060	41	<0.01	2	2	21
SE 005596		<10	<1	0.08	<10	0.26	413	1	0.02	7	1010	48	0.01	<2	3	21
SE 005597		<10	<1	0.10	<10	0.30	465	<1	0.02	8	950	33	<0.01	2	3	24
SE 005598		<10	<1	0.06	<10	0.26	200	<1	0.02	7	460	21	<0.01	<2	2	23
SE 005599		<10	<1	0.05	<10	0.26	317	<1	0.01	7	800	19	<0.01	<2	2	22
SE 005600		10	<1	0.05	<10	0.16	605	<1	0.02	6	1750	23	<0.01	2	1	25
SE 005601	Block 2	10	<1	0.06	<10	0.40	446	<1	0.02	12	990	16	0.01	<2	2	23
SE 005602		<10	<1	0.05	<10	0.20	926	<1	0.02	7	1660	10	0.01	2	1	22
SE 005603		<10	<1	0.06	<10	0.23	546	<1	0.02	8	1400	17	0.01	<2	2	24
SE 005604		10	1	0.06	10	0.30	353	9	0.03	15	380	18	0.03	2	4	41
SE 005605		10	1	0.07	<10	0.30	544	2	0.02	7	1290	18	<0.01	2	3	33
SE 005606		<10	<1	0.05	10	0.25	390	1	0.02	8	970	13	<0.01	2	2	28
SE 005607		<10	<1	0.07	<10	0.22	348	<1	0.01	6	450	21	<0.01	2	2	25
SE 005608		<10	<1	0.05	<10	0.22	371	<1	0.02	8	800	10	<0.01	<2	2	21
SE 005609		10	<1	0.07	<10	0.27	451	<1	0.01	8	1000	8	<0.01	2	2	25
SE 005610		<10	<1	0.05	<10	0.21	377	<1	0.01	7	800	9	<0.01	<2	2	18
SE 005611		<10	<1	0.05	<10	0.25	377	<1	0.01	9	930	9	<0.01	<2	2	22

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

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

To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 16-NOV-2009
Account: SOMIIN

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 004541		<20	0.10	<10	<10	53	<10	53
SE 004542		<20	0.08	<10	<10	48	<10	59
SE 004543		<20	0.08	<10	<10	49	<10	61
SE 004544		<20	0.03	<10	<10	67	<10	72
SE 004545		<20	0.09	<10	<10	54	<10	92
SE 004546	Block 1	<20	0.08	<10	<10	46	<10	79
SE 004547		<20	0.08	<10	<10	50	<10	85
SE 004548	ext.	<20	0.09	<10	<10	52	<10	57
SE 004549		<20	0.08	<10	<10	51	<10	74
SE 004550		<20	0.10	<10	<10	52	<10	75
SE 004551		<20	0.09	<10	<10	51	<10	65
SE 005492		<20	0.09	<10	<10	36	<10	33
SE 005493		<20	0.09	<10	<10	41	<10	48
SE 005494	Block 6	<20	0.11	<10	<10	44	<10	43
SE 005495		<20	0.10	<10	<10	48	<10	40
SE 005496		<20	0.11	<10	<10	51	<10	47
SE 005497		<20	0.10	<10	<10	45	<10	59
SE 005498		<20	0.09	<10	<10	44	<10	30
SE 005499	Block 4	<20	0.13	<10	<10	60	<10	58
SE 005500	ext	<20	0.14	<10	<10	74	<10	280
SE 005592		<20	0.10	<10	<10	57	<10	183
SE 005593		<20	0.10	<10	<10	65	<10	211
SE 005594		<20	0.09	<10	<10	59	<10	461
SE 005595		<20	0.09	<10	<10	51	<10	435
SE 005596		<20	0.08	<10	<10	54	<10	547
SE 005597		<20	0.09	<10	<10	57	<10	232
SE 005598		<20	0.09	<10	<10	58	<10	194
SE 005599		<20	0.09	<10	<10	65	<10	174
SE 005600		<20	0.09	<10	<10	51	<10	233
SE 005601	Block 2	<20	0.11	<10	<10	62	<10	153
SE 005602		<20	0.08	<10	<10	37	<10	166
SE 005603		<20	0.08	<10	<10	51	<10	213
SE 005604		<20	0.10	<10	<10	50	<10	284
SE 005605		<20	0.09	<10	<10	66	<10	224
SE 005606		<20	0.09	<10	<10	56	<10	116
SE 005607		<20	0.08	<10	<10	57	<10	170
SE 005608		<20	0.08	<10	<10	49	<10	111
SE 005609		<20	0.08	<10	<10	55	<10	99
SE 005610		<20	0.08	<10	<10	54	<10	123
SE 005611		<20	0.09	<10	<10	55	<10	135

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

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To: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Finalized Date: 16-NOV-2009
Account: SOMIIN

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
SE 005612	Block 2	0.50	0.020	0.2	1.14	<2	<10	130	<0.5	<2	0.27	<0.5	4	15	12	2.18
SE 005613		0.42	<0.005	<0.2	1.58	<2	<10	110	<0.5	<2	0.28	<0.5	6	19	26	2.37
SE 005614		0.52	<0.005	0.2	1.11	<2	<10	210	<0.5	<2	0.31	0.5	6	15	20	2.07
SE 005615		0.58	<0.005	<0.2	0.92	2	<10	80	<0.5	<2	0.19	<0.5	3	7	12	1.64
SE 005616		0.44	0.015	0.2	1.46	<2	<10	140	<0.5	<2	0.19	<0.5	3	8	7	1.39
SE 005617	Block 6	0.48	<0.005	<0.2	1.32	<2	<10	140	<0.5	<2	0.22	<0.5	3	10	14	1.43
SE 005618		0.52	0.006	<0.2	1.27	2	<10	120	<0.5	<2	0.21	<0.5	3	9	16	1.40
SE 005619		0.46	<0.005	<0.2	1.06	<2	<10	150	<0.5	<2	0.18	<0.5	3	6	8	1.25
SE 005620		0.48	<0.005	<0.2	0.74	2	<10	70	<0.5	<2	0.15	<0.5	2	6	7	1.30
SE 005621		0.52	<0.005	<0.2	1.05	<2	<10	60	<0.5	<2	0.21	<0.5	3	8	10	1.53
SE 005622		0.64	0.009	<0.2	1.25	<2	<10	90	<0.5	<2	0.31	<0.5	3	8	11	1.62
SE 005623		0.54	<0.005	<0.2	1.56	<2	<10	160	<0.5	<2	0.15	0.5	4	8	9	1.48
SE 005624		0.72	0.007	<0.2	0.89	<2	<10	70	<0.5	<2	0.22	<0.5	3	9	9	1.63
SE 005625		0.76	<0.005	<0.2	0.78	<2	<10	70	<0.5	<2	0.21	<0.5	2	10	9	1.54
SE 005626		0.68	<0.005	<0.2	1.00	<2	<10	90	<0.5	<2	0.18	<0.5	3	7	6	1.47
SE 005627	Block 4 ext	0.66	<0.005	0.4	0.96	4	<10	50	<0.5	<2	0.11	0.6	3	11	22	2.60
SE 005628		0.56	<0.005	<0.2	1.62	4	<10	50	<0.5	<2	0.09	<0.5	4	11	12	2.46
SE 005629		0.58	0.006	<0.2	2.05	7	<10	60	<0.5	<2	0.08	<0.5	4	12	14	3.15
SE 005631		0.52	<0.005	<0.2	1.68	4	<10	200	<0.5	<2	0.37	<0.5	7	10	20	2.36
SE 005632		0.46	<0.005	<0.2	1.62	<2	<10	180	<0.5	<2	0.35	<0.5	6	11	21	2.31
SE 005633		0.64	<0.005	<0.2	1.77	6	<10	250	<0.5	<2	0.70	<0.5	10	14	38	3.13
SE 005634		0.54	<0.005	<0.2	1.47	3	<10	140	<0.5	<2	0.35	<0.5	6	11	18	2.42
SE 005635		0.54	<0.005	<0.2	1.78	5	<10	330	<0.5	<2	1.22	<0.5	6	10	29	2.18
SE 005636		0.52	0.006	<0.2	1.61	3	<10	180	<0.5	<2	0.36	<0.5	6	12	21	2.44
SE 005637		0.50	<0.005	<0.2	1.67	<2	<10	190	<0.5	<2	0.41	<0.5	5	8	14	2.14
SE 005638		0.58	<0.005	<0.2	1.68	3	<10	170	<0.5	<2	0.41	<0.5	6	10	14	2.24
SE 005639		0.56	<0.005	<0.2	2.08	4	<10	190	<0.5	<2	0.52	<0.5	7	12	26	2.98
SE 005640		0.48	<0.005	<0.2	1.85	2	<10	240	<0.5	<2	0.61	<0.5	7	11	23	2.38
SE 005641	Block 1 ext.	0.58	<0.005	<0.2	1.73	2	<10	190	<0.5	<2	0.59	<0.5	6	11	19	2.35
SE 005642		0.54	<0.005	<0.2	1.63	5	<10	160	<0.5	<2	0.58	<0.5	7	11	22	2.40
SE 005643		0.60	<0.005	<0.2	1.73	2	<10	130	<0.5	<2	0.50	<0.5	6	11	20	2.39
SE 005644		0.62	<0.005	<0.2	1.64	3	<10	130	<0.5	<2	0.59	<0.5	6	10	21	2.44
SE 005645		0.50	<0.005	<0.2	1.71	2	<10	120	<0.5	<2	0.51	<0.5	6	10	22	2.26
SE 005646		0.54	<0.005	<0.2	1.32	3	<10	160	<0.5	<2	0.29	<0.5	5	10	15	2.05
SE 005651		0.56	<0.005	<0.2	1.56	<2	<10	190	<0.5	<2	0.46	<0.5	6	12	21	2.36
SE 005652		0.52	<0.005	<0.2	1.55	<2	<10	200	<0.5	<2	0.54	<0.5	6	11	23	2.16
SE 005653		0.50	<0.005	<0.2	1.67	<2	<10	180	<0.5	<2	0.45	<0.5	6	11	19	2.19
SE 005654		0.52	<0.005	<0.2	1.82	4	<10	170	<0.5	<2	0.60	<0.5	7	13	28	2.47
SE 005655		0.54	<0.005	<0.2	1.73	3	<10	210	<0.5	<2	0.54	<0.5	7	10	25	2.15
SE 005656		0.62	<0.005	<0.2	1.74	2	<10	240	<0.5	<2	0.39	<0.5	6	12	27	2.25

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North Vancouver BC V7H 0A7
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TO: SOLITAIRE MINERALS INC.
430 - 609 GRANVILLE STREET
VANCOUVER BC V7Y 1G5

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
SE 005612	Block 2	10	<1	0.05	<10	0.20	227	<1	0.02	7	620	7	<0.01	<2	2	22
SE 005613		<10	<1	0.06	<10	0.29	266	<1	0.02	11	820	9	<0.01	<2	2	23
SE 005614		<10	<1	0.05	<10	0.24	609	<1	0.02	8	1970	10	0.01	<2	2	29
SE 005615		<10	<1	0.06	10	0.09	133	<1	0.01	2	230	6	0.01	<2	2	24
SE 005616		<10	<1	0.08	<10	0.11	140	<1	0.02	6	320	4	<0.01	2	1	21
SE 005617	Block 6	<10	<1	0.06	10	0.15	228	<1	0.02	5	340	7	0.01	2	2	27
SE 005618		<10	<1	0.07	<10	0.16	117	<1	0.02	5	420	5	<0.01	2	2	32
SE 005619		<10	<1	0.06	<10	0.11	619	1	0.02	4	520	6	0.01	<2	1	20
SE 005620		<10	<1	0.06	<10	0.10	208	<1	0.02	2	190	5	0.01	<2	1	16
SE 005621		<10	<1	0.07	10	0.16	141	<1	0.02	3	160	4	0.01	4	2	19
SE 005622		<10	<1	0.08	10	0.19	191	1	0.02	3	200	7	0.01	3	3	25
SE 005623		10	<1	0.05	<10	0.15	726	1	0.02	4	940	7	0.01	3	1	14
SE 005624		<10	<1	0.10	10	0.21	151	<1	0.02	3	300	6	0.01	4	2	21
SE 005625		<10	<1	0.10	10	0.19	158	<1	0.01	2	190	5	<0.01	4	2	21
SE 005626		<10	<1	0.09	10	0.14	137	<1	0.02	3	340	7	0.01	6	2	19
SE 005627	Block 4 ext	<10	<1	0.03	10	0.16	183	<1	0.02	4	660	6	0.01	3	1	12
SE 005628		<10	<1	0.03	<10	0.14	143	1	0.02	4	1800	6	0.01	2	1	8
SE 005629		10	<1	0.04	<10	0.17	176	1	0.02	6	1060	8	0.01	3	2	10
SE 005631		<10	<1	0.16	10	0.28	818	<1	0.02	4	950	5	0.01	2	4	28
SE 005632		<10	<1	0.10	10	0.32	584	<1	0.02	6	960	6	0.01	3	4	27
SE 005633	Block 1 ext	10	<1	0.10	10	0.39	1475	1	0.02	6	1030	7	0.03	2	4	50
SE 005634		10	<1	0.05	<10	0.28	760	<1	0.02	5	920	5	0.02	2	3	25
SE 005635		<10	<1	0.15	10	0.30	1200	1	0.05	6	2720	6	0.02	3	3	64
SE 005636		<10	<1	0.06	<10	0.31	715	<1	0.02	5	1160	5	0.01	2	4	26
SE 005637		10	<1	0.09	10	0.24	603	<1	0.02	5	840	6	0.01	3	3	26
SE 005638		<10	<1	0.12	<10	0.27	639	1	0.02	4	500	4	0.01	3	3	30
SE 005639		10	<1	0.16	10	0.49	525	<1	0.02	6	550	4	0.02	4	5	36
SE 005640		<10	<1	0.19	10	0.32	964	1	0.02	5	930	6	0.02	3	4	36
SE 005641		<10	<1	0.14	10	0.31	813	1	0.02	5	400	6	0.02	4	4	35
SE 005642		<10	<1	0.13	10	0.32	709	<1	0.02	5	530	4	0.01	<2	4	36
SE 005643		<10	<1	0.08	10	0.31	530	1	0.02	4	390	4	0.01	2	4	32
SE 005644		10	<1	0.12	10	0.32	643	1	0.02	5	370	5	0.02	3	4	35
SE 005645		<10	<1	0.11	10	0.30	496	<1	0.03	4	410	5	0.02	2	4	32
SE 005646		<10	<1	0.09	<10	0.23	742	1	0.02	5	600	4	0.01	4	3	24
SE 005651		<10	<1	0.11	10	0.33	845	1	0.02	6	760	5	0.02	3	4	31
SE 005652		<10	<1	0.20	10	0.31	764	2	0.02	5	1820	5	0.03	2	3	35
SE 005653		<10	<1	0.09	10	0.27	1095	<1	0.02	6	1060	4	0.02	3	3	31
SE 005654		<10	<1	0.14	10	0.35	847	1	0.02	6	1170	5	0.02	4	4	38
SE 005655		<10	<1	0.09	10	0.27	988	1	0.02	5	1260	5	0.03	2	2	34
SE 005656		10	<1	0.15	10	0.28	965	<1	0.02	6	1240	5	0.01	4	4	36

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Finalized Date: 16-NOV-2009
Account: SOMIIN

Project: Copper Mtn

CERTIFICATE OF ANALYSIS VA09123866

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
SE 005612	Block 2	<20	0.09	<10	<10	57	<10	93
SE 005613		<20	0.10	<10	<10	62	<10	114
SE 005614		<20	0.08	<10	<10	54	<10	158
SE 005615		<20	0.08	<10	<10	36	<10	36
SE 005616		<20	0.09	<10	<10	30	<10	48
SE 005617	Block 6	<20	0.08	<10	<10	34	<10	45
SE 005618		<20	0.09	<10	<10	35	<10	36
SE 005619		<20	0.07	<10	<10	28	<10	41
SE 005620		<20	0.07	<10	<10	34	<10	30
SE 005621		<20	0.09	<10	<10	36	<10	39
SE 005622		<20	0.09	<10	<10	33	<10	41
SE 005623		<20	0.08	<10	<10	30	<10	144
SE 005624		<20	0.10	<10	<10	40	<10	33
SE 005625		<20	0.09	<10	<10	39	<10	32
SE 005626		<20	0.09	<10	<10	30	<10	36
SE 005627	Block 4 ext	<20	0.08	<10	<10	66	<10	76
SE 005628		<20	0.09	<10	<10	57	<10	82
SE 005629		<20	0.11	<10	<10	77	<10	64
SE 005631		<20	0.08	<10	<10	52	<10	66
SE 005632		<20	0.09	<10	<10	53	<10	75
SE 005633	Block 1 ext.	<20	0.08	<10	<10	76	<10	82
SE 005634		<20	0.08	<10	<10	59	<10	75
SE 005635		<20	0.08	<10	<10	49	<10	105
SE 005636		<20	0.08	<10	<10	57	<10	77
SE 005637		<20	0.07	<10	<10	43	<10	64
SE 005638		<20	0.09	<10	<10	51	<10	54
SE 005639		<20	0.11	<10	<10	65	<10	54
SE 005640		<20	0.08	<10	<10	50	<10	79
SE 005641		<20	0.09	<10	<10	53	<10	47
SE 005642		<20	0.09	<10	<10	54	<10	49
SE 005643		<20	0.09	<10	<10	53	<10	41
SE 005644		<20	0.10	<10	<10	57	<10	43
SE 005645		<20	0.09	<10	<10	50	<10	46
SE 005646		<20	0.07	<10	<10	46	<10	49
SE 005651		<20	0.08	<10	<10	54	<10	68
SE 005652		<20	0.07	<10	<10	49	<10	66
SE 005653		<20	0.08	<10	<10	50	<10	67
SE 005654		<20	0.08	<10	<10	59	<10	70
SE 005655		<20	0.07	<10	<10	47	<10	67
SE 005656		<20	0.09	<10	<10	48	<10	132

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

UTM 682000 E | 683000 E | 684000 E | 685000 E | 686000 E

5502000 N | 5501000 N | 5500000 N | 5499000 N | 5498000 N

RITAINCOPORPORHYRY
619283

BAWK 1
416248

BAWK 2
416249

BAWK 3
416250

BAWK 4
416251

BAWK 5
416252

BAWK 6
416253

BAWK 7
416254

BAWK 8
416255

AXE-RITAPORPHYRY2
629684

RITA AREA B
631703

RITA AREA A
631685

MJgr

Kgr

Kgrd

Kgrf

contact uncertain

contact partially interpreted from BCGS

to Jura Creek Road

to Summerland Road / Princeton

to Cougar Road

Jura Creek

Trehearne Creek

Position approximate

K-megc gran

Gran, k-megc

Gran, med-c.gr, mass

K-megc Gran, c.gr

Syen, m.gr

R/c? Qz-eye Gran, lim, wk ser, arg alt

F-m.gr gran

R/c, m.gr gran wk ser, arg, lim

Sparse R/c Dior, mod chl, ep

Dior, f.gr

R/c Dior, tr Py, mag, ep, chl

Abnt flt Dior, chl, tr cpy, mag

Dior, c.gr, lim al jts

Dior, lim

Dior, ep Dior, Py nodules

Dior

Dior, ep, chl

Dior, wk chl

Gran, bleached, ep, loc. lim

Gran (Q Mon?) sil, 3-4% Py

K-megc granite, c.gr

F.P. megc granite, wk arg. alt

Monz, ep? (apl?)

Monz, wk lim

Gran, F.P. megc

K-spar m.gr Gr

Kgr?

Bio Gr, aplite along joints

LEGEND

Cretaceous

Kgrf	*Late felsic dyke, fine grained*
Kgrd	Diorite, medium-coarse grained, equigranular, pyritic fractures and joints, epidote +/- chlorite enriched
Kgr	Granite, alkali feldspar granite, quartz monzonite dykes

Middle Jurassic

MJgr	Granite, alkali-feldspar granite, coarse grained, typically K-feldspar megacrystic

SYMBOLS

- Strike & dip of Foliation (45 / 55)
- Strike & dip of Joint (45 / 55)
- Geological contact
- Outcrop boundary
- Road, minor or deteriorated road, ATV trail

ABBREVIATIONS

alt	Alteration	mod	Moderate
apl	Aplite	O/c	outcrop
arg	Argillic	py	Pyrite
bio	Biotite	R/c	Rubblecrop
chl	Chlorite	ser	Sericite
cpy	Chalcopyrite	sil	Silicified
dior	Diorite	wk	Weak
ep	Epidote		
f.gr	Fine grained		
gran	Granite		
jts	Joints		
K-megc	Potassic-feldspar megacrystic		
lim	Limonite		
loc	Local		
mag	Magnetite		
m.gr	Medium grained		

Scale 1:10,000
0 200m 400m 600m 500m 1000m
(metres)
NAD27 / UTM zone 10

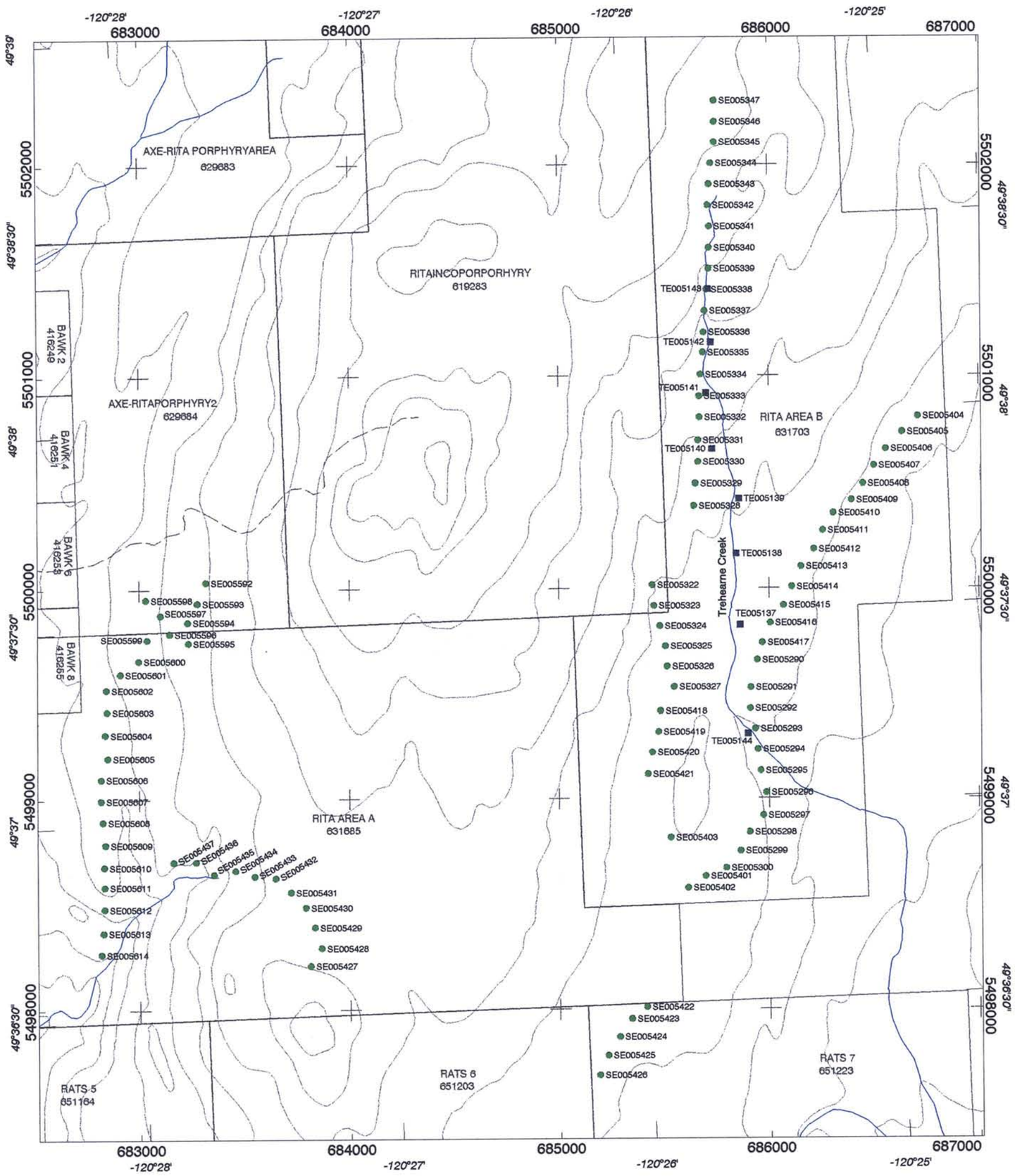
SOLITAIRE MINERALS CORP.

COPPER MOUNTAIN PROJECT
BLOCK 2
GEOLOGY MAP, CLAIM 631685, 631703
MAP 1

NTS: 092 H/09
Datum: NAD 27
Date: 15 Mar 10

Mining District: Similkameen
Projection: UTM Zone 10
Drawn by: HDS/RS

Stewart Basin Exploration



Legend

- Soil sample location
- Silt sample location

Scale 1:20000

250 0 250 500 750 1000 1250

(metres)

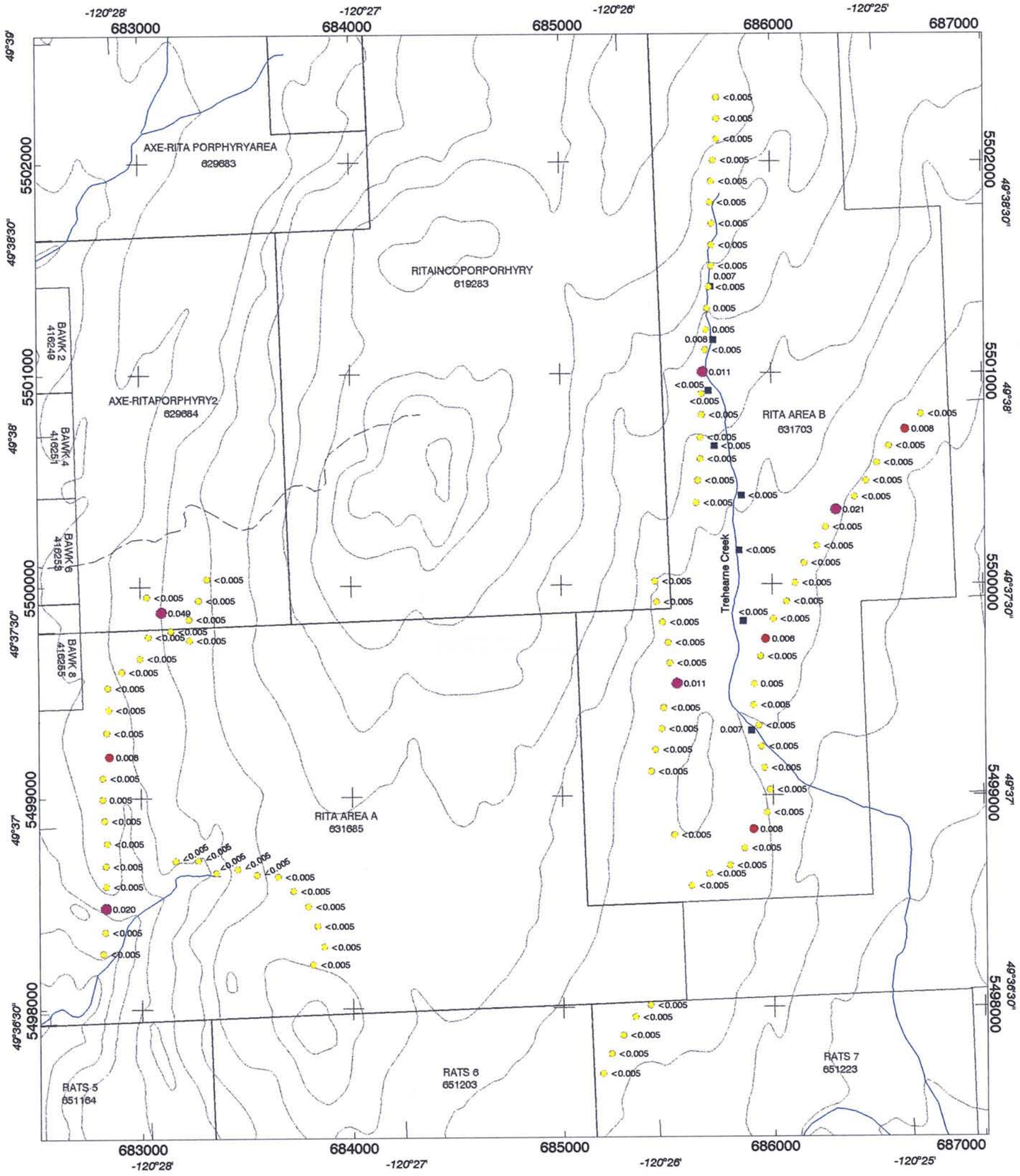
NAD27 / UTM zone 10N

Solitaire Minerals Corp.

Copper Mountain Project
Map 2, Block 2 - Sample Location Map

NTS: 092H09
February 19, 2010

map by Stewart Basin Exploration



Legend

■ Silt sample, Au ppm

Percentile	Au - Soil Samples (ppm)
> 95	> 0.009
90 - 95	0.005 - 0.009
< 90	< 0.005

Scale 1:20000

250 0 250 500 750 1000 1250

(metres)

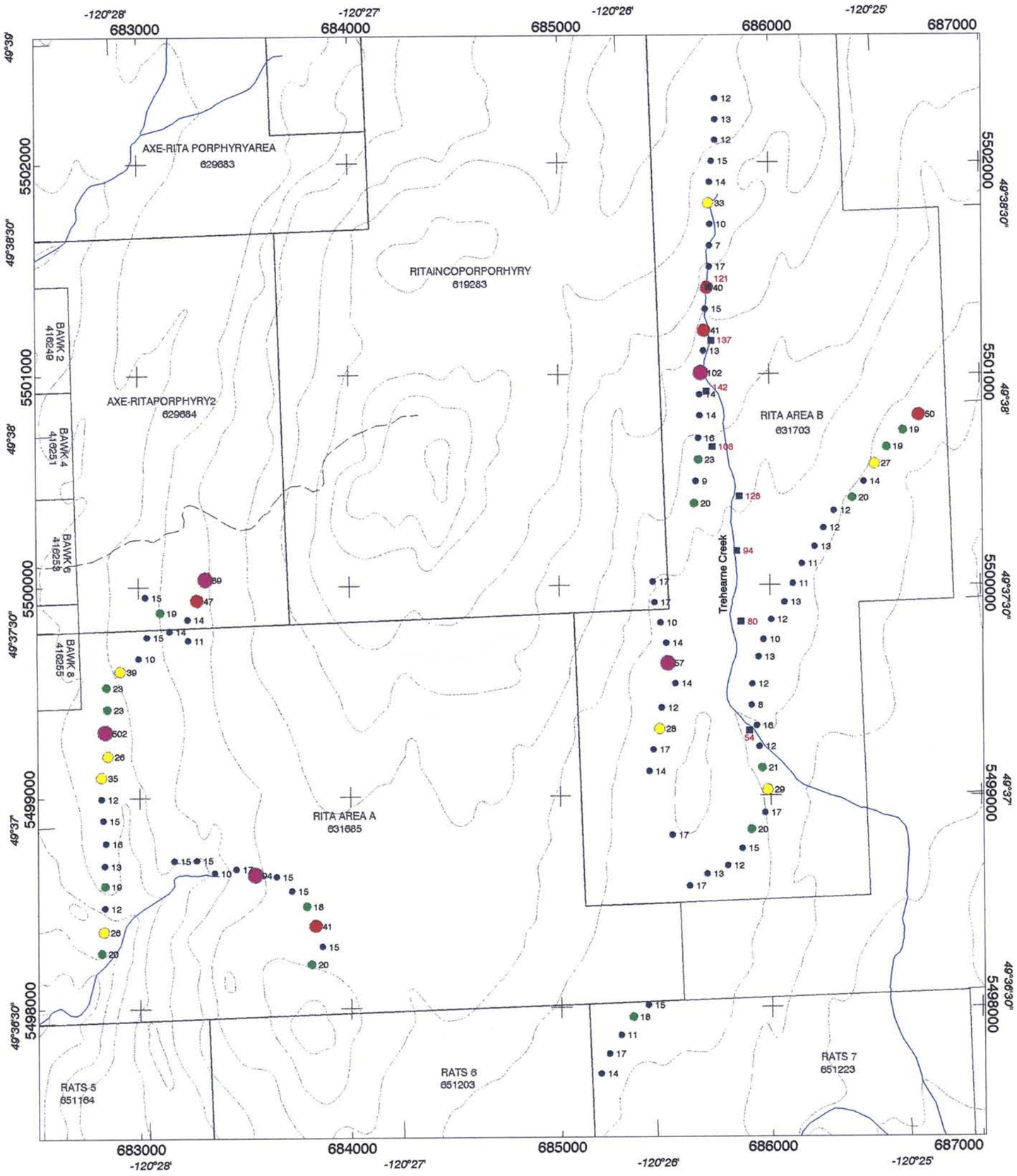
NAD27 / UTM zone 10N

Solitaire Minerals Corp.

Copper Mountain Project
Map 3, Block 2 - Gold Values

NTS: 092H09
February 25, 2010

map by Stewart Basin Exploration



Legend

■ Silt sample, Cu ppm

Percentile	Cu - Soil Samples (ppm)
> 95	> 51
90 - 95	39 - 51
80 - 90	23 - 39
60 - 80	17 - 23
< 60	< 17

Scale 1:20000

250 0 250 500 750 1000 1250

(metres)

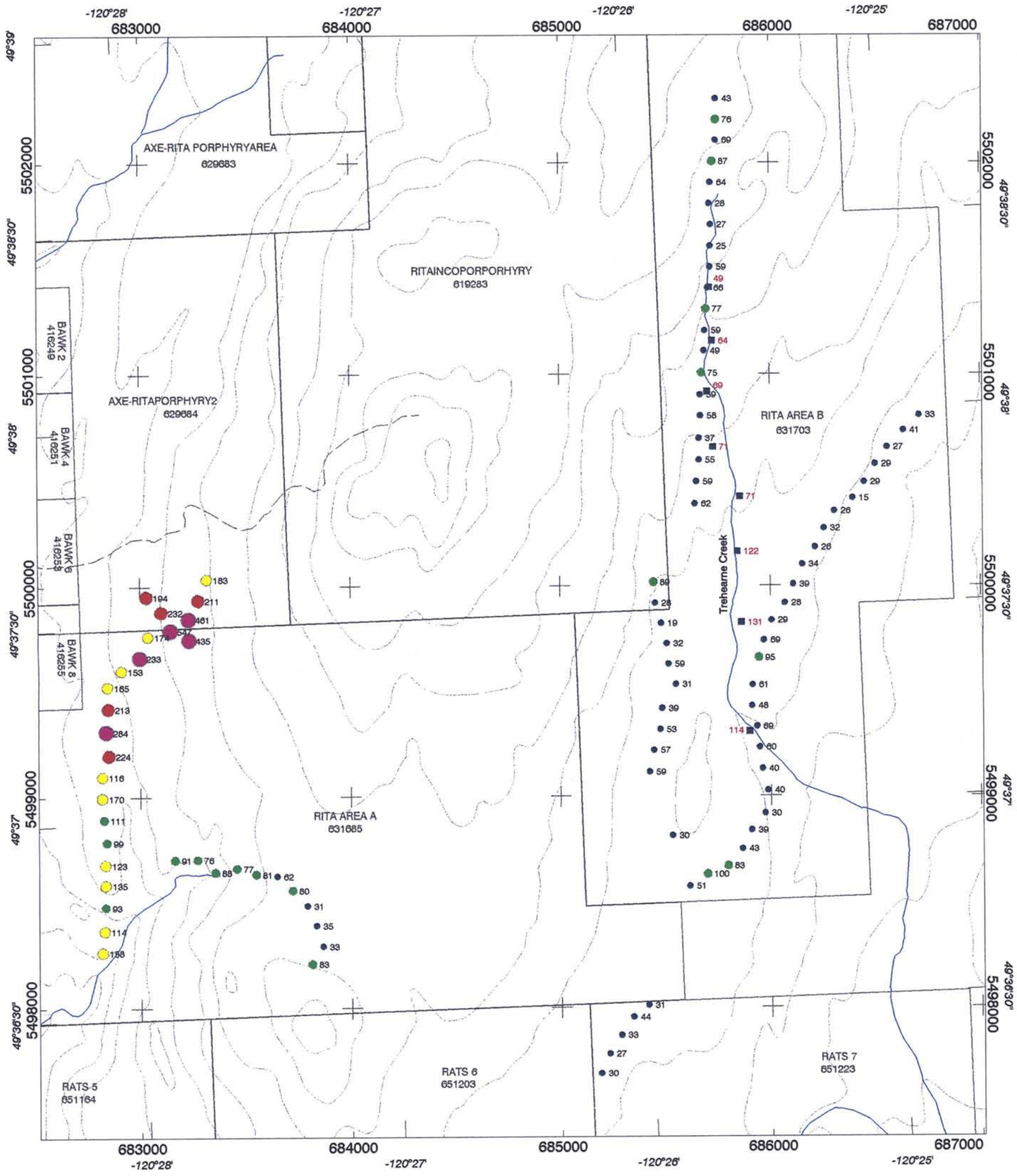
NAD27 / UTM zone 10N

Solitaire Minerals Corp.

Copper Mountain Project
Map 4, Block 2 - Copper Values

NTS: 092H09
February 25, 2010

map by Stewart Basin Exploration



Legend

■ Silt sample, Zn ppm

Percentile	Zn - Soil Samples (ppm)
> 95	> 232
90 - 95	187 - 232
80 - 90	113 - 187
60 - 80	69 - 113
< 60	< 69

Scale 1:20000

250 0 250 500 750 1000 1250

(metres)

NAD27 / UTM zone 10N

Solitaire Minerals Corp.

Copper Mountain Project
Map 5, Block 2 - Zinc Values

NTS: 092H09
February 25, 2010

map by Stewart Basin Exploration