



**Assessment Report on  
Geological and Geochemical Surveys  
On the "Summit West" Property  
Summit Lake Project  
Solitaire Minerals Inc.**

695783 (IMPERIALWESTAAAAA), 695784 (IMPERIAQLWESTBBBBBBBBB),  
701724 (BONDSOUTH)

**Owner: Solitaire Minerals Inc.**

Iskut area, north-western British Columbia

**Liard Mining Division**

57°37'50" Lat, 130°10'56" Long (UTM NAD 27C: 429500E, 6388000N), Zone 9  
NTS Sheet 104G09E

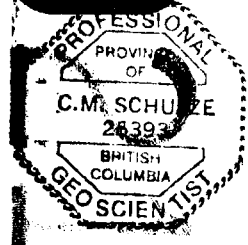
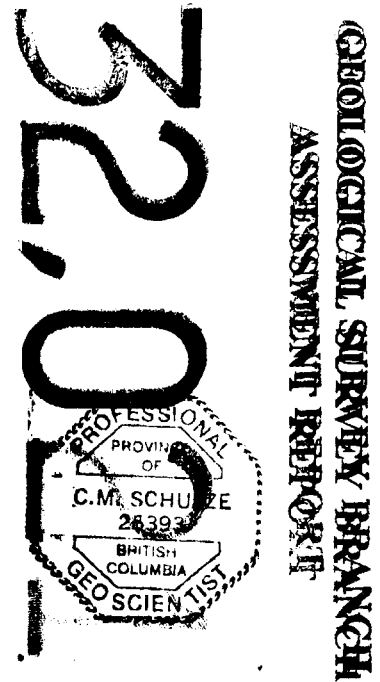
**Effective Date: Aug 1, 2010**

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Assessment Report  
32021**

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**Dec 21, 2010**



## Summary

In April 2010, Solitaire Minerals Corporation announced the acquisition of a block of 3 mineral tenures covering 3,210 acres (1,299.6 hectares) comprising the Summit West property. The property is centered 24 kilometres southwest of the Village of Iskut in northern British Columbia, Canada, and 23 kilometres west-southwest of the porphyry-style Red Chris copper-gold deposit held by Imperial Metals Corporation. The property was the subject of a brief surface exploration program by Solitaire in 2010.

The Summit West property occurs within a complex assemblage of Devonian to Triassic Stikinia Terrane rocks along the north margin of the Middle to Upper Jurassic Bowser Basin. This assemblage consists of Devonian to Permian aged Asitka arc volcanic and platform carbonates forming the basement of the Stikinia Terrane, intruded by several plutons of Lower Triassic hornblende diorite and white to pink hornblende granodiorite. The basement rocks are overlain by a sequence of Upper Triassic Stuhini Group basaltic to andesitic volcanics and volcanoclastics, underlying and extending west from the property boundary. These lower formations are flanked by Jurassic Hazelton Group volcanic arc complexes extending northward from the property. The Stikinia Terrane stratigraphy has been intruded by small units of Tertiary to Quaternary Edziza Group olivine basalts and mafic tuffs.

The property itself is underlain by Stuhini Group intermediate to mafic tuffs, lapilli tuffs and agglomerate with lesser volcanoclastics, primarily conglomerates and greywackes, intruded by small units of Upper Cretaceous to Tertiary rhyolitic units. The Lower Jurassic quartz monzonitic to granodioritic "Groat Stock" occurs north of the property within an area of fairly abundant copper +/- gold occurrences. Directly north of the north property boundary, strongly anomalous gold values to 9.0 g/t were returned from surface rock sampling; diamond drilling returned an intercept of 2.2 g/t gold across 9.0m.

The 2010 program across south-eastern property areas did not reveal significant mineralization or geochemical anomalies; however it did indicate this area has undergone moderate "structural preparation" in the form of fracturing to brecciation, including local zones of multi-episodic silicification and quartz emplacement, as well as propylitic alteration. Integration of 2010 results with those of earlier exploration and Minfile descriptions suggests the Summit West property covers extreme southern outlying portions of a porphyry system, possibly centered on the Groat Stock. Higher-grade gold occurrences directly north of the north property boundary may represent "bonanza-style" zones typically occurring closer to a porphyry centre.

A compilation project integrating geological, geophysical and geochemical data is recommended for areas north and west of the property area to determine whether this may host a separate porphyry system possibly coeval with the nearby Red Chris deposit. If so, the possibility to enter into an option agreement with present property holders of prospective ground should be considered. Otherwise, no further work is recommended for the Summit West property.

Recommended expenditures for the compilation program, including report, stand at CDN\$6,000.

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## **1.0 Introduction**

In April, 2010, Solitaire Minerals Corp. (TSX-V symbol SLT) announced the acquisition of a block of 3 mineral tenures covering 3,210 acres (1,299.6 hectares) comprising the Summit West property. The property is centered about 24 kilometres southwest of the Village of Iskut in northern British Columbia, Canada, and about 23 kilometres west-southwest of the porphyry-style Red Chris copper-gold deposit held by Imperial Metals Corporation.

This assessment report covers the findings of geological mapping and reconnaissance geochemical sampling comprising the 2010 surface exploration program.

### **1.1 Underlying Agreements**

To earn a 100% undivided interest in the Summit West property, the Optionee, Solitaire Minerals Corp. must pay to the Optioner, Mr. Ken Smith, CDN\$25,000 upon signing of the agreement and a further 200,000 shares upon approval of the TSX-Venture exchange. Solitaire must also pay Mr. Smith a further CDN\$30,000 and issue 300,000 shares on or before the first anniversary of the agreement. On or before the second anniversary, Solitaire must pay a further CDN\$40,000 and 500,000 shares to Mr. Smith.

Mr. Smith will retain a 2% Net Smelter Return (NSR) Royalty on the property, of which half (1%) may be purchased by Solitaire for CDN\$1,000,000 (News Release, April 13, 2010, Solitaire Minerals Corp.).

### **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**

Past history of the present Summit West property area was provided online from the British Columbia "Minfile" website and from Assessment Report #21,128 by D. Mehner of Keewatin Engineering Inc. in service to Ascot Resources Ltd. District-scale geological data was provided on-line by the British Columbia Geological Survey site and from Map 1712A: "Tectonic Assemblage Map of the Canadian Cordillera and adjacent parts of the United States of America", Geological Survey of Canada, by Wheeler, J.D. and McFeely, P. 1991.

#### 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 one-day field program occurring on June 22, 2010. Compilation and interpretation of geological, structural, and geochemical data were done by All Terrane Mineral Exploration Services, of which Mr. Schulze is sole proprietor.

### 2.0 Property Description and Location

The Summit West property consists of three mineral tenures covering 3,210 acres (1,299.6 hectares) centered about 24 kilometres southwest of the Village of Iskut in northern British Columbia, Canada, and about 23 kilometres west-southwest of the porphyry-style Red Chris copper-gold deposit held by Imperial Metals Corporation. A small tenure, the BOND 1 tenure (No. 593918) located in the centre of the block is held by New Chris Minerals Ltd. and is not involved in this agreement. The property is centered at 57°37'50" Lat, 130°10'56" Long (UTM NAD 27C coordinates: 429500E, 6388000N, Zone 9), on NTS Sheet 104G09E (Figures 1 through 3). All claims are contiguous and unpatented (Table 1, Figure 3) and have not undergone a legal survey.

There are no past mine workings, existing tailings ponds, waste deposits or major bulk sample excavations. Several tributaries of Groat Creek with flow suitable for diamond drilling occur in central and northern portions the property, with headwaters in south-central and south-western areas. 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 2010 program.

**Table 1: Claim Status, Summit West property**

Tenure No	Claim Name	Issue Date	Expiry Date*	Area (ha)
695783	IMPERIALWESTAAAAA	2010/ Jan 07	2013/ Jan 07	433.09
695784	IMPERIALWESTBBBBBBB	2010/ Jan 07	2013/ Jan 07	433.18
701724	BONDSOUTH	2010/ Jan 18	2013/ Jan 18	433.33

\*Expiry date following filing of applicable assessment work, September 2010

### 3.0 Access, Physiography and Climate

The Summit West property is centered about three kilometers west of Kinaskan Lake in an area of rugged to moderate terrain. The southern portion covers a highland area, locally rugged in eastern sections, with elevations above treeline at 4,500 feet (1,375 metres) to a maximum of 5,107 feet (1,550 metres). The terrain descends fairly steeply towards Groat Creek in the northern area, to a minimum elevation of 2,900 feet (880 metres). The extreme northwestern area covers steep terrain flanking the next mountain range to the north, attaining elevations to 5,000 feet (1,525 metres). Outcrop is abundant at higher elevations, particularly in the

southeastern area. The northern area was not explored, although exposure is likely more limited. Access is by helicopter only.

The southern property is covered by buckbrush and alpine tundra vegetation above 4,500 feet (1,375 metres), with scattered pockets of subalpine fir extending to 4,800 feet (1,460 metres). Subalpine fir covers areas between treeline and about 1,200 metres (3,950 feet); mixed spruce and subalpine fir covers lower elevations, with decreasing abundance of fir with decreasing elevation. Stunted poplar covers certain portions of south-facing slopes.

The climate is typical of northern continental areas, with low to moderate annual precipitation. Summers are mild, with average daily high temperatures of 20°C; however winters are cold with average daily high temperatures of -12°C and occasionally attaining lows of -45°C. Annual precipitation in nearby lowland areas averages about 43 cm per year, with about 60% occurring as rain. Summer temperatures at higher elevations are somewhat lower, associated with somewhat higher precipitation. The field season at higher elevations extends from early June to late September.

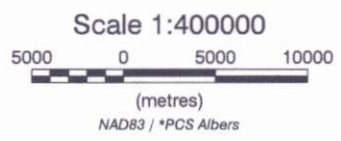
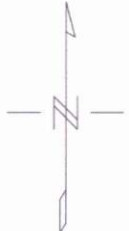
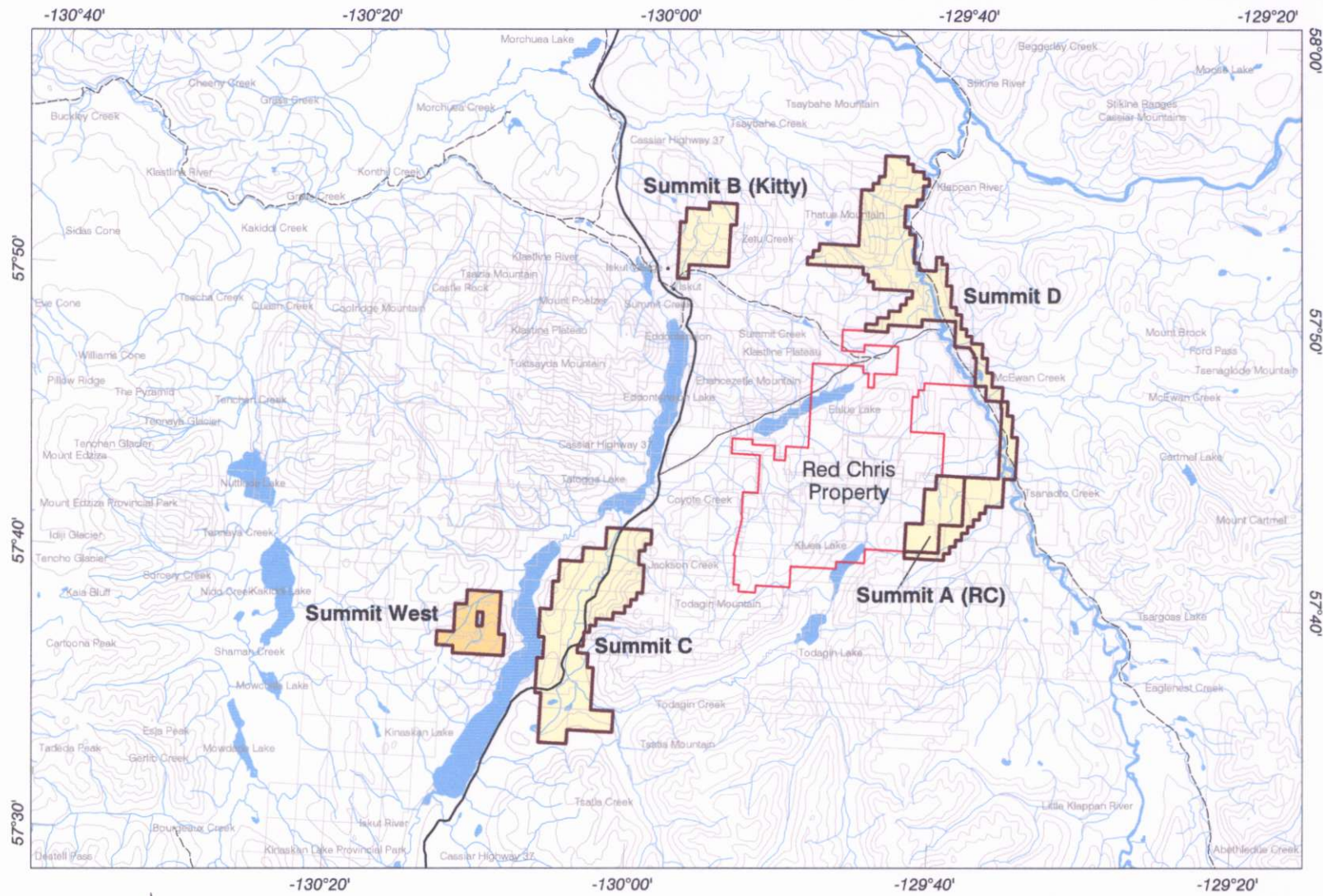
The property size and gentle terrain are sufficient to accommodate mining facilities, potential mill processing sites, heap leach pads, and waste disposal sites. The Village of Iskut (population about 300) provides very basic grocery and fuel services and a limited available work force; limited motel and lodge facilities occur nearby along Highway 37. The Village of Dease Lake (population about 400) located about 80 kilometres to the north along Highway 37 provides somewhat more comprehensive fuel, grocery and hardware services and moderate accommodation services, including a restaurant. Dease Lake has a sizable airport, as well as year-round helicopter facilities, and a limited available workforce. The villages of Iskut and Dease Lake are both serviced by local diesel-electric facilities, although much larger scale electrical facilities are expected to extend to the Village of Bob Quinn about 120 km to the south of Iskut along the highway. The closest major full-service town is Terrace, British Columbia (2006 population 11,300), located along Highway 16 about 600 road-kilometres to the south



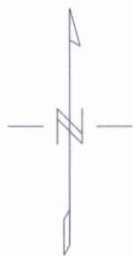
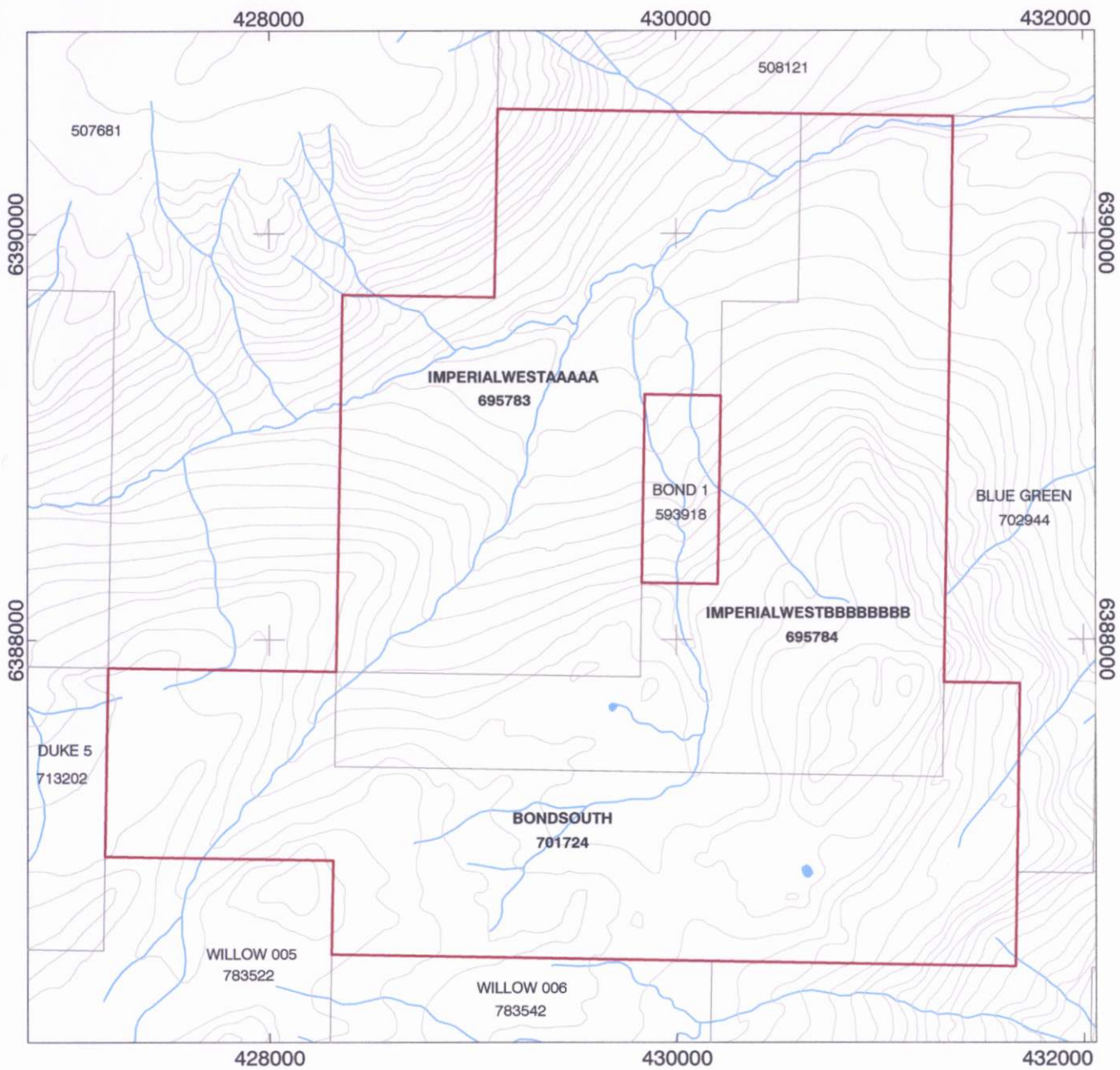
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<b>Solitaire Minerals Corp.</b>	
<b>Summit Project</b>	
<b>Figure 1: Location Map, Summit West Block</b>	
NTS 104G09	November 30, 2010
<b>Stewart Basin Exploration</b>	





<b>Solitaire Minerals Corp.</b>	
<b>Summit Project</b>	
<b>Figure 2: Regional Location Map, Summit West Block</b>	
NTS 104G09	November 30, 2010
<b>Stewart Basin Exploration</b>	



Scale 1:30000  
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 (metres)  
 NAD27 | UTM zone 9N

<b>Solitaire Minerals Corp.</b>	
<b>Summit West Block Figure 3: Claim Map</b>	
NTS: 104G09	November 30, 2010
<b>Stewart Basin Exploration</b>	

## 4.0 History

The Summit properties were acquired as an area play surrounding the Red Chris Deposit. The Red Chris and Rok properties, the latter about 22 kilometres northeast of the Summit West property, were discovered during an episode of regional exploration for porphyry-style copper deposits across the Stikine.

The area of the present Red Chris deposit was first staked by the Conwest Exploration Co. in 1956, then restaked by the Great Plains Development Co. of Canada in 1969 to 1970. From 1973 through 1980 Texasgulf drilled a total of 118 percussion and diamond drill holes and conducted geological, geochemical and geophysical surveys (B.C. Minfile, 2010).

By 1994 ownership of the Red Chris property was held by Falconbridge (60%), Norcan Energy Resources (20%) and Teck Corporation (20%). Later that year American Bullion Minerals Ltd. acquired an 80% interest, with Teck retaining the remaining 20%. American Bullion drilled a total of 57,247 metres of diamond drilling in 173 holes in 1994 and 1995. By 1998 a pre-feasibility study announced a total resource of 224.5 million tonnes grading 0.419 % copper (Cu) and 0.330 g/t gold (Au), with a projected mine life of 20.5 years based on a 30,000 tpd mill throughput (B.C. Minfile, 1998, after American Bullion Minerals Ltd, July 7, 1009 News Release).

In October 2002 the Red Chris Development Corp. entered into a joint venture with American Bullion Minerals Ltd. In December 2002 bcMetals acquired the Red Chris Development Corporation and became partial holder of the 80% joint venture interest. In September 2003 bcMetals entered into an option agreement to acquire Teck's interest. bcMetals conducted a further 16,591 metres of diamond drilling in 49 holes in 2003, and 2,850 metres in 2004.

In 2006 the Imperial Metals Corp. completed its takeover of bcMetals, thus acquiring ownership of the Red Chris property. In 2007 Imperial Metals drilled six holes on the Main and East Zones, One of the East Zone holes returned an intercept of 1.01% copper and 1.26 g/t gold over 1,024.1 metres, showing that the deposit was likely much larger than indicated by previous resource estimates (B.C. Minfile, 2010). Follow-up exploration led to an updated proven and probable reserve estimate released in November 2010 by Imperial Metals of 301,549,000 tonnes grading 0.359% Cu and 0.274 g/t Au, all contained within the Main and East Zones. This is part of a resource base consisting of a Measured and Indicated Resource of 619.42 M tonnes grading 0.38% Cu and 0.36 g/t Au, with a further Inferred Resource of 619.13 M tonnes grading 0.30% Cu and 0.32 g/t Au (Website, Imperial Metals Corp, Dec, 2010).

No "Minfile" occurrences exist within present property boundaries. The Bond occurrence (B.C. Minfile # 104G 175, part of the Axe prospect) is located within the small BOND claim in the centre of the property. Five AXE claims, part of a property staked by Mr. Kevin Whelan, were acquired by Ascot Resources Ltd. late in 1988; these covered most of the present property area. Ascot Resources contracted Keewatin Engineering Inc. to conduct soil and silt geochemical

sampling in 1989, identifying several "new" occurrences directly north of the present property boundary. Keewatin also conducted panel sampling at the Bond showing, obtaining results to 0.224% Cu, and to 214 ppb Au with 0.050% Cn from a separate sample (Mehner, 1991). The 1990 program also included three diamond drill holes collared directly north of the present property boundary and drilled to the northwest. The best results were returned from DDH 90-B10, which returned a 9.0-metre interval of 2,200 ppb Au (0.063 oz/ton) with 2,800 ppm arsenic (As), 640 ppm copper (Cu) and 3.8 g/t silver (Ag). This is the westernmost hole located about 2.2 kilometres north-northwest of the Bond showing. The Bond showing itself was never drilled.

## 5.0 Geology

### 5.1 Regional Geology

The Summit West property occurs within a complex assemblage of Devonian to Triassic Stikinia Terrane rocks along the north margin of the sedimentary Middle to Upper Jurassic Bowser Basin and south of the east-west trending district-scale Pitman Fault. This assemblage consists of Devonian to Permian aged Asitka arc volcanic and platform carbonates, including shales and volcanic sandstones, forming the basement of the Stikinia Terrane. This has been intruded by several plutons of Lower Triassic Stikinia hornblende diorite and white to pink hornblende granodiorite. The basement formations are flanked by more extensive units of Stikinia Terrane, Jurassic Hazelton Group volcanic arc complexes consisting of basalt to basaltic andesite, calc-alkaline dacite to latite porphyritic flows, andesite, and rhyolite flows and pyroclastics. The western portion of this assemblage, underlying and extending farther west from the Summit West property and continuing to mark the north-western boundary of the Bowser Basin, consists of several large units of Triassic Stuhini group calc-alkaline augite and feldspar porphyritic basalt to basaltic andesite flows (Geological Survey of Canada, 1991).

The Bowser Basin sediments consist of an upper sequence of conglomerate, sandstone, siltstone, shale and marly limestone and a lower basinal flysch sequence of marine shale, siltstone, sandstone, conglomerate, plant fossils and shale (Geological Survey of Canada, 1991). This forms one of the most aerially extensive and homogenous assemblages in British Columbia, extending from about 20 km south of the property south to the Skeena River.

Both the Stikinia assemblage and the Bowser Basin have been intruded by small units of upper Tertiary Miocene to Pliocene Edziza Group alkali basalt and peralkaline trachyte to comendite, olivine basalt cones, flows and tuyas (Geological Survey of Canada, 1991). Several Edziza Group units occur somewhat south of the property, within Bowser Basin sediments.

### 5.2 Property Geology

The Summit West property is underlain by a package of Upper Triassic Stuhini Group intermediate to mafic flows, tuffs, lapilli tuffs and agglomerate, intercalated with minor interflow volcanoclastic conglomerate. The volcanics are comprised largely of pyroclastics, in turn

dominated by fine grained, locally bedded ash tuffs. However, clast size throughout the package ranges through lapilli tuffs to agglomerates, the latter containing angular clasts to 25 centimetres, locally mixed with rounded eonglomerate clasts to 12 centimetres. The tuffs are locally mixed with fragmental units, particularly in northern portions of areas mapped but also noted in southern areas (Map 1). In the northern areas, fragmental clasts, locally hosting quartz stockwork veining, attain widths to 15 centimetres.

The conglomerates, which comprise about 5% of the total area mapped in 2010, are locally interbedded with lesser fine clastic beds, including siltstones, not readily distinguishable from tuff bedding.

Tuff bedding measurements indicate bedding orientations are dominantly south-southwest to southwest striking, moderately to steeply west-dipping, although insufficient measurements were made to determine a conclusive primary structural setting. Shear orientations suggest two populations: a north-south striking, subvertical lineation, and a northwest striking, northeast dipping lineation. The south-eastern area has undergone fairly extensive fracturing and local multi-episodic brecciation, with patchy abundant quartz veining.

The south-eastern area was the only portion mapped in 2010. The 1989 and 1990 exploration programs by Keewatin Engineering for Ascot Resources Inc stated that the Axe property is underlain by upper Triassic to lower Jurassic volcanoclastic sediments, consisting of greywacke, siltstone and conglomerate interbedded with andesitic flows, tuffs and agglomerates (Mehner, 1991), a setting consistent with that outlined with the 2010 mapping. Mehner states the Axe property also covered medium-grained hornblende diorite in the extreme north end of the property, Lower Tertiary "felsites or massive rhyolite" in the eastern end, and Upper Tertiary olivine basalt flows in the south-central area (Mehner, 1991). The rhyolites occur as small units within the Bond claim; the Tertiary basalts underlie the extreme south-western portion of the present Summit West property.

## 6.0 Mineralization

The volcanic stratigraphy underlying the south-eastern property area has undergone fairly extensive fracturing and local brecciation, with moderate limonite staining and trace pyrite, occurring across sizable areas. Weak to moderate silicification and argillic alteration, with localized epidote, hematite and chlorite alteration, and local carbonate alteration, occurs throughout this area. Rock sampling returned background gold values, although one sample returned an elevated silver value of 1.1 g/t Ag with 16 ppm molybdenum (Mo) and 15 ppm antimony (Sb). A separate sample returned a value of 15 ppm Mo (Appendix 3a).

The highest gold value returned from year-2010 soil sampling is one of 0.019 g/t Au with 0.7 g/t Ag, occurring about 100 metres southwest of a sample returning 13 ppm Mo (Appendix 3b). These were taken near the rock sample returning 1.1 g/t Ag from an area of steep terrain directly down-slope of sizable exposures of limonitic, weakly altered volcanics. The only other notable metal value is one of 28 ppm Mo with 0.7 g/t Ag and background Au values and strongly

elevated manganese (Mn), calcium (Ca) and strontium (Sr) values (Sr commonly substitutes for Ca) suggesting skarn or replacement-style mineralization. Many soil samples in the southern and western areas sampled in 2010 returned weakly elevated Ag values.

## **7.0 Work Program**

The 2010 work program consisted of a one-day property visit comprised of a reconnaissance-style traverse of geological mapping, prospecting and rock sampling, and two reconnaissance-style soil geochemical traverses, with a station spacing of 100 metres. A total of 64 soil samples (6 outside of property boundaries) and 5 rock samples were taken.

The following personnel were employed by All-Terrane Mineral Exploration Services in service to Solitaire Minerals Inc:

Carl Schulze, BSc, PGeo:	Project Geologist and Qualified Person
Craig Tervit:	Field technician
Michael Linley:	Field Technician

Helicopter services were provided by James Reid and William Oestreich of the Dease Lake branch of Pacific Western Helicopters. Analytical sampling was done by ALS Chemex in North Vancouver, British Columbia, with preparation facilities in Whitehorse, Yukon.

## **8.0 Sampling Method and Approach**

All geochemical sampling was subject to rigorous parameters, including detailed descriptions of each sample. Rock samples were obtained using an Estwing rock hammer, and located in the field using a non-differential Global Positioning System (GPS) instrument. Samples were placed in plastic bags designed specifically for rock sampling. A tag with the unique sample number, supplied by ALS Chemex Labs, was placed in the bag; the sample number was written on both sides of the bag using "Magic Markers". The sample numbers were also written on soft metal "butter tags"; the tags were attached to the sample locations in the field.

Rock samples were recorded as to location (UTM - NAD 27C), sample type (grab, composite grab, chip, etc), exposure type (outcrop, rubblecrop, float, etc.), formation, lithology, modifier (for textural or structural descriptions), colour, degrees of carbonate presence and silicification, other alteration if applicable, economic mineralization including estimated amounts, date, sampler and comments (Appendix 3a). Minimum sample weight was 0.5 kg, although samples tend to be larger than this.

Soil samples were taken utilizing a shovel, and 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 3b). 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.

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.

### **9.0 Sample Preparation, Analysis and Security**

All rock samples were placed in thick plastic industry standard sample bags, sealed with thick plastic serrated "Zap Straps" and sent in a similarly sealed rice bag to a preparatory lab of ALS Chemex based in Whitehorse, Yukon, with pulps then sent for analysis to the ALS Chemex facility in North Vancouver, B.C., an analytical laboratory with ISO 9001:2000 certification. Sealed rice bags were personally handed to the Whitehorse facility by the qualified person. All rock samples were crushed to ensure that a minimum of 70% of the material was less than 2.0 mm in size; this material was thoroughly mixed. From this, a 250g sample was pulverized to 75-micron size; then a 50-gram sample of this underwent fire assay analysis with atomic absorption finish. This technique provides gold analysis ranging from 0.005 to 9.995 g/t gold. "Overlimits" were analyzed by gravimetric techniques.

Soil 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", and delivered to ALS Chemex in the same manner as rock samples.

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.

## 10.0 Discussion and Conclusion

The results of the 2010 program, combined with results of the 1989 and 1990 programs, suggest that the present Summit West property covers the outlying propylitic alteration zones of a porphyry system. The weak chlorite, epidote and hematite alteration are typical of outlying propylitic alteration zones. The stratigraphy has also undergone "structural preparation" in the form of fracturing, brecciation, and local multi-episodic emplacement of late siliceous fluids. However, gold, other metal, and "pathfinder element" values are too low to suggest significant proximal mineralized zones. This is accentuated by the rugged terrain and poor soil development across much of the area, a setting whereby any mineralized zones produce more obvious geochemical anomalies.

The 1989 and 1990 programs by Keewatin Engineering identified small zones of anomalous gold, including an area north of the present property boundary returning values to 9,000 ppb (9.0 g/t) Au from rock sampling. DDH 90-B10 returned a 9.0-metre intercept grading 2.2 g/t Au with strongly anomalous arsenic associated with strong silicification and intermittent clay-alteration. These occurrences suggest areas of bonanza-style high-grade gold mineralization typical of mesothermal settings (the mesothermal setting is suggested by the high arsenic content) that occur closer to core areas of porphyry systems than the propylitic alteration halos.

The Early Jurassic "Groat Stock" occurs somewhat north of the area explored in 1990 and 1991, and is located in an area of fairly abundant copper-gold showings. This may represent a porphyry "centre" for mineralization north of the Summit West property area, although more research is warranted to support this. If so, mineral potential on the Summit West property is greatest near the north boundary, and decreases progressively southward. The northern area of the present claim block underwent fairly intense exploration, with little mineralization identified within present boundaries. The only other notable mineralization occurs within the Bond claim in the centre of the block. This suggests any significant mineralized zones within the present property are likely to occur north of Groat Creek.



## 11.0 Recommendations

No further exploration is recommended for the present Summit West property, due to the lack of anomalous geochemical values returned from 2010 sampling and of significant mineralized zones discovered during previous exploration.

However, a detailed district-scale compilation study of the area north of the property, focusing on terrain formerly covered by the AXE property and areas to the north and west, is recommended. The focus of this is to determine potential for the core area of a porphyry system to occur here, as well as for peripheral bonanza or epithermal-style mineralized zones, particularly near the present Summit West property boundary. Mineral title to the subject area of the proposed study is currently held by other private interests: however, if the area is determined to be prospective for such a system, the viability of entering into an option agreement with present holder(s) should be investigated.

A detailed compilation program, including report and maps could be done for about CDN\$6,000.

## 12.0 References

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

Imperial Metals Corp, 2010: Website, updated 2010.

Mehner, D.T. 1991: "Assessment Report on Soil and Rock Geochemical Sampling, Induced Polarization Surveys and Diamond Drilling on the AXE Property (AXE 27, 28, 212, 214 and 216 Claims), Beauchamps Option", Assessment Report #21,128, by Keewatin Engineering Inc, for Ascot Resources Ltd. Filed with Ministry of Energy, Government of British Columbia.

Solitaire Minerals Inc, 2009: News Release dated April 13, 2010. Available on "SEDAR" website, 2010.

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 1. 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 the Summit West Property, Summit Lake Project, Solitaire Minerals Inc." on the entire property area comprising the Summit West property. I was active on-site for the one day program, conducted on June 22, 2010.
- 7) I have not had prior involvement with the properties that are the subject of the Technical Report prior to May, 2010.
- 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 Aug 1, 2010.

Dated this 21st Day of December, 2010

**"Carl Schulze"**

Carl Schulze, BSc, PGeo  
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Whitehorse, Yukon Y1A 5T6  
Telephone: 867-633-4807  
Fax: 867-633-4883  
E-mail: [allterrane@northwestel.net](mailto:allterrane@northwestel.net)

## Appendix 2: Expenditures Filed for Assessment

Claims comprising Summit West block: 695783, 695784, 701724

Claims Worked On: 695784, 701724.

Type of Work	No. of Units	Value/Unit	Value
Geological Mapping	1 day	\$640/day	\$ 640.00
Soil sampling: Tech 1	1.5 days	\$375/day	\$ 562.50
Soil sampling: Tech 2	1.5 days	\$375/day	\$ 562.50
Helicopter Support*	2.4 hrs	\$1,059.69	\$ 2,543.25
Truck Mileage	350 km	\$0.55/km	\$ 192.50
Per Diems	4 days	\$75/day	\$ 300.00
Field and office supplies			\$ 100.00
Rock samples	5 samples	\$35/sample	\$ 175.00
Soil/silt samples	58 samples	\$32/sample	\$ 1,856.00
Accommodation	4 days	\$84.63/night	\$ 338.52
Hand-held Radio rental	1 days	25/day	\$ 25.00
Digitizing	16 hrs	\$50/hr	\$ 800.00
Report writing, data compilation	4 days	\$640/day	\$ 2,560.00
		<b>Total:</b>	<b>\$10,655.27</b>

\* Price per hour includes fuel

**Appendix 3: Sample Descriptions**

**Appendix 3a: Rock Sample Descriptions**

**Appendix 3b: Soil Sample Descriptions**

**ROCK SAMPLE DESCRIPTION SHEET**

2010 Program, Summit West Project  
Solitaire Minerals Inc

Sample No.	Easting (UTM Nad 27)	Northing (UTM NAD 27)	Sample Type	Width (m)	Sample Description	Formation	Lithology	Modifier	Colour	Carb. Presence	Silicification	Alteration 1	Other	Mineral 1	Amount (%)	Min 2	Amt (%)	Date	Sampler	Comments
RE005741	430993	6387036	CGr		Rcrop		Int flow?	fractured	buff		S1	A1	Ph1	L1	Py	tr		Jun-22	CS	Variable silicification
RE006401	431213	6387170	CGr	1.8	Ocrop		Int tuff	bedded	buff		S2	A1-2		L1	Py	tr		Jun-22	CS	Bedded and fracture controlled silica
RE006402	431294	6387174	CGr		Rcrop		Int tuff	brecc	tan		S1-2	A1-2		L2	Py	tr		Jun-22	CS	Strong pyrite boxwork
RE006403	431322	6387213	CGr		Tlus		Int tuff	brecc	buff		S2	A2		L2	Py	tr		Jun-22	CS	Fine breccia, siliceous matrix
RE006404	431360	6387582	CGr		Rcrop		Int tuff	brecc	tan		S2-3	A2		L2	Py	tr		Jun-22	CS	25-30% grey silica stockwork

ROCK SAMPLE RESULTS SHEET

2010 Program, Summit West Project  
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	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	Mg	Mn	Mo
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
E005741	<0.005	<0.2	0.77	<2	<10	90	0.6	<2	0.06	<0.5	<1	4	1	1.59	10	<1	0.21	20	0.06	149	1
E006401	<0.005	0.2	0.55	6	<10	70	0.7	<2	0.03	<0.5	<1	3	2	1.5	10	<1	0.19	20	0.06	69	15
E006402	<0.005	1.1	0.35	27	<10	130	<0.5	<2	0.02	<0.5	<1	5	1	2.28	10	1	0.3	10	0.02	33	16
E006403	<0.005	<0.2	0.4	3	<10	60	0.8	<2	0.01	<0.5	<1	5	<1	1.28	10	<1	0.15	20	0.02	66	2
E006404	<0.005	<0.2	0.56	6	<10	80	1.1	<2	0.01	<0.5	<1	7	1	1.62	<10	<1	0.17	10	0.02	130	6

**ROCK SAMPLE RESULTS SHEET**

2010 Program, Summit West Project  
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
SAMPLE	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
E005741	0.05	<1	130	10	0.01	<2	2	6	<20	0.03	<10	<10	3	<10	64
E006401	0.1	<1	110	18	0.06	2	2	5	<20	0.01	<10	<10	3	<10	15
E006402	0.14	<1	100	484	0.41	15	1	13	<20	0.03	<10	<10	18	<10	8
E006403	0.07	<1	80	7	0.01	<2	2	4	<20	0.03	<10	<10	4	<10	21
E006404	0.1	<1	80	19	0.04	2	2	1	7	<20	<0.01	<10	<10	3	<10



SOIL SAMPLE DESCRIPTION SHEET

2010 Program, Summit West Project  
Solitaire Minerals Inc

Sample No.	Easting NAD 27	Northing NAD 27	Traverse (Station)	Horizon	Depth (cm)	Slope Angle	Colour	% Coarse Fragments	Vegetation	Surficial Geology	Fragment Lithology	% Organics	Date	Sampler	Comments
SE006389	430391	6386793		b	50	5	brn	5	tundra			5		ML	ridge
SE006390	430494	6386818		b	50	5	brn	5	tundra			10		ML	next to pond
SE006391	430576	6386874		b	60	10	brn	5	tundra			10		ML	next to pond
SE006392	430683	6386905		b	50	5	brn	5	tundra			5		ML	
SE006393	430792	6386906		b	40	5	brn	5	fir			10		ML	
SE006394	430890	6386880		b	30	30	brn	5	willow			10		ML	rocky
SE006395	430987	6386872		b	25	35	brn	5	spruce			5		ML	
SE006396	431069	6386970		b	30	55	brn	5	fir			10		ML	
SE006397	431156	6387119		b	20	65	brn	5	fir			5		ML	rocky
SE006398	431239	6387156		b	5	60	lt.brn	5	fir			5		ML	rocky below gossan
SE006399	431339	6387168		ab	20	5	drk. Brn	0	mix			50		ML	forest
SE006400	431421	6387224		ab	40	5	drk. Brn	0	mix			50		ML	forest
SE006451	431489	6387314		b	40	5	drk. Brn	10	mix			5		ML	forest
SE006452	431500	6387422		b	30	45	brn	10	mix			5		ML	forest
SE006453	431480	6387518		b	40	10	brn	5	mix			5		ML	forest
SE006454	431403	6387596		b	30	25	brn	5	mix			5		ML	
SE006455	431310	6387716		b	5	55	lt.brn	30	willow			10		ML	above tree
SE006456	431350	6387816		b	20	35	brn	5	willow			5		ML	
SE006457	431512	6388000		b	5	50	brn	20	grass			3		ML	rock slide
SE006458	431472	6388059		b	5	50	brn	30	grass			5		ML	rock slide
SE006459	431371	6388112		b	30	50	brn	5	fir			5		ML	cliff edge
SE006460	431300	6386208		b	40	50	br	5	willow			5		ML	
SE006461	431106	6388069		b	50	5	brn	10	grass			10		ML	on top
SE006462	431020	6386048		b	20	5	bl brn	5	fir			5		ML	on top
SE006463	430986	6388247		b	50	10	brn	5	fir			5		ML	on top
SE006464	430975	6386853		b	40	5	brn	5	willow			5		ML	on top
SE006465	430989	6388437		b	60	10	brn	5	grass			5		ML	on top
SE004959	428187	6386878		B	25	moderate	brown	No	20 alpine			5	22-Jun	Craig	
SE004960	428283	6386826		B	20	moderate	brown	No	25 alpine			10	22-Jun	Craig	
SE004961	428378	6386878		B	25	moderate	brown	No	15 alpine			10	22-Jun	Craig	
SE004962	428465	6386707		B	20	moderate	brown	No	30 alpine			5	22-Jun	Craig	
SE004963	428551	6386658		B	25	gentle	brown	No	10 alpine			10	22-Jun	Craig	
SE004964	428654	6386646		B	20	moderate	brown	No	20 alpine			10	22-Jun	Craig	
SE004965	428756	6386658		B	25	moderate	brown	No	15 alpine			10	22-Jun	Craig	below snowfield
SE004966	428855	6386633		B	20	gentle	brown	No	25 alpine			10	22-Jun	Craig	
SE004967	428954	6386853		B	25	moderate	light brown	No	15 alpine			5	22-Jun	Craig	
SE004968	429054	6386653		B	20	gentle	light brown	No	20 alpine			10	22-Jun	Craig	
SE004969	429153	6386878		B	25	gentle	brown	No	20 alpine			10	22-Jun	Craig	
SE004970	429246	6386720		B	20	moderate	brown	No	15 alpine			5	22-Jun	Craig	
SE004971	429338	6386768		B	25	gentle	brown	No	25 alpine			5	22-Jun	Craig	
SE004972	429433	6386811		B	30	gentle	brown	No	20 alpine			10	22-Jun	Craig	
SE004973	429527	6386658		B	20	moderate	bark brown	No	15 alpine			10	22-Jun	Craig	
SE004974	429618	6386899		B	25	moderate	orange/brown	No	20 alpine			10	22-Jun	Craig	
SE004975	429710	6386848		B	20	moderate	brown	No	25 alpine			10	22-Jun	Craig	
SE004976	429792	6386997		B	25	moderate	brown	No	10 alpine			10	22-Jun	Craig	
SE004977	429874	6387053		B	20	moderate	brown	No	10 alpine			25	22-Jun	Craig	
SE004978	430065	6387097		B	25	moderate	brown	No	20 alpine			10	22-Jun	Craig	

### SOIL SAMPLE RESULTS SHEET

2010 Program, Summit West Project  
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	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
SE006389	<0.005	<0.2	3.23	10	<10	180	0.8	<2	0.16	<0.5	16	75	36	4.64	10	<1	0.08	10	1.28	673	<1
SE006390	<0.005	<0.2	2.71	10	<10	130	0.9	<2	0.13	<0.5	17	62	29	4.23	10	<1	0.07	10	1.1	678	1
SE006391	<0.005	<0.2	2.23	9	<10	160	0.7	<2	0.14	<0.5	19	62	32	3.66	10	<1	0.06	10	1.06	685	1
SE006392	<0.005	<0.2	2.37	9	<10	130	0.7	<2	0.15	<0.5	18	61	34	3.79	10	<1	0.07	10	1.04	665	1
SE006393	<0.005	0.3	2.46	8	<10	240	0.7	<2	0.2	0.6	15	60	29	4	10	<1	0.08	10	0.94	914	3
SE006394	<0.005	<0.2	1.95	8	<10	200	1.1	<2	0.24	0.7	11	40	16	3.59	10	<1	0.16	10	0.68	801	1
SE006395	<0.005	<0.2	1.91	7	<10	250	0.7	<2	0.16	<0.5	20	49	24	3.56	10	<1	0.1	10	0.75	973	1
SE006396	<0.005	<0.2	1.97	8	<10	260	1.2	<2	0.45	0.6	13	41	23	3.62	10	<1	0.15	20	0.56	1725	1
SE006397	<0.005	0.2	2.36	9	<10	140	2.4	<2	0.06	<0.5	13	47	18	3.7	10	<1	0.07	20	0.71	1495	1
SE006398	<0.005	<0.2	1.89	5	<10	90	1.4	<2	0.06	<0.5	5	17	10	2.35	10	<1	0.12	20	0.36	525	1
SE006399	<0.005	0.3	4.05	9	<10	660	3.9	2	1.27	0.6	45	57	73	3.72	10	<1	0.13	150	0.86	3570	13
SE006400	0.019	0.7	3.36	9	<10	560	4.2	<2	0.72	<0.5	13	64	74	4.11	10	<1	0.17	70	1.01	1300	4
SE006451	<0.005	<0.2	2.52	9	<10	260	0.7	<2	0.24	<0.5	9	54	29	3.89	10	<1	0.12	10	0.82	589	3
SE006452	<0.005	<0.2	1.95	5	<10	190	1.3	<2	0.21	<0.5	7	32	20	2.88	10	<1	0.14	20	0.54	582	2
SE006453	<0.005	<0.2	1.72	5	<10	220	<0.5	<2	0.23	<0.5	7	45	18	3.01	10	<1	0.08	10	0.58	298	3
SE006454	<0.005	<0.2	2.98	6	<10	190	1.5	<2	0.34	<0.5	8	45	20	3.94	20	<1	0.1	20	0.74	382	4
SE006455	<0.005	<0.2	3.22	6	<10	200	1.2	<2	0.32	<0.5	10	55	11	4.26	10	<1	0.16	30	0.83	1635	8
SE006456	<0.005	<0.2	3.2	10	<10	200	0.7	2	0.1	<0.5	10	58	28	4.61	10	<1	0.09	10	0.81	608	2
SE006457	<0.005	<0.2	3.46	8	<10	90	3.4	2	0.08	<0.5	14	62	29	4.77	10	<1	0.08	20	1.02	1295	2
SE006458	<0.005	<0.2	2.23	8	<10	190	1.3	2	0.32	<0.5	15	53	30	3.68	10	<1	0.12	20	0.97	962	1
SE006459	<0.005	<0.2	1.81	3	<10	140	1.7	<2	0.52	0.5	8	16	11	3.81	10	<1	0.24	20	0.37	927	1
SE006460	<0.005	<0.2	2.22	7	<10	130	0.5	<2	0.13	<0.5	7	43	16	4.47	10	<1	0.07	<10	0.62	349	2
SE006461	<0.005	<0.2	2.86	9	<10	310	0.8	<2	0.44	<0.5	14	62	35	4.09	10	<1	0.11	10	1.06	1035	1
SE006462	<0.005	<0.2	2.8	10	<10	130	0.5	<2	0.14	<0.5	10	61	36	4.46	10	<1	0.07	<10	0.93	505	1
SE006463	0.005	<0.2	3.5	8	<10	210	0.9	2	0.22	<0.5	17	87	41	4.49	10	<1	0.11	10	1.62	625	1
SE006464	0.007	<0.2	3.75	12	<10	260	0.8	<2	0.14	<0.5	16	71	48	4.59	10	<1	0.11	10	1.34	607	1
SE006465	0.006	<0.2	3.25	12	<10	160	0.7	<2	0.13	<0.5	12	61	45	4.19	10	<1	0.1	10	1.08	667	1
SE004959	<0.005	<0.2	2.72	12	<10	210	1	<2	0.18	<0.5	16	55	31	4.35	10	<1	0.08	10	0.97	1085	1
SE004960	<0.005	0.3	2.46	9	<10	150	0.7	<2	0.15	<0.5	11	58	27	4.18	10	1	0.07	10	0.92	800	1
SE004961	0.019	0.3	1.78	5	<10	110	<0.5	<2	0.07	<0.5	4	69	14	2.07	10	1	0.05	10	0.28	180	1
SE004962	0.006	<0.2	3.15	11	<10	110	0.8	2	0.12	<0.5	11	57	22	4.05	10	<1	0.07	10	0.99	547	2
SE004963	<0.005	0.2	2.88	11	<10	390	0.8	<2	0.53	<0.5	14	61	34	4.1	10	<1	0.09	10	1.31	628	1
SE004964	<0.005	0.2	3.09	8	<10	110	0.6	2	0.07	<0.5	11	53	25	4.03	10	<1	0.07	10	0.96	736	2
SE004965	0.011	0.2	2.92	5	<10	80	0.6	<2	0.08	<0.5	10	50	23	3.76	10	<1	0.06	10	0.87	485	2
SE004966	0.005	0.3	2.9	8	<10	140	1.2	2	0.33	<0.5	11	49	27	3.93	10	<1	0.08	10	0.74	531	3
SE004967	0.005	0.3	3.11	9	<10	130	0.8	<2	0.12	<0.5	17	69	56	4.43	10	1	0.11	10	1.38	741	1
SE004968	<0.005	0.4	3.47	10	<10	220	0.8	2	0.09	<0.5	9	64	34	4.07	10	<1	0.08	10	0.78	364	2
SE004969	0.007	0.4	3.27	10	<10	460	1.2	2	0.49	<0.5	9	52	44	3.86	10	<1	0.07	10	0.92	469	2
SE004970	<0.005	0.4	2.39	10	<10	200	0.6	<2	0.12	<0.5	7	40	21	3.57	10	<1	0.06	10	0.52	513	2
SE004971	0.005	<0.2	3.42	14	<10	180	0.9	3	0.11	<0.5	13	63	46	4.53	10	<1	0.11	10	1.13	577	2
SE004972	0.014	0.6	3.3	13	<10	430	1	<2	0.81	<0.5	14	72	71	4.53	10	<1	0.14	20	1.29	841	2
SE004973	<0.005	0.3	2.97	12	<10	300	1.4	<2	0.57	<0.5	9	47	30	3.86	10	<1	0.08	10	0.83	763	2
SE004974	0.005	0.2	1.35	9	<10	80	<0.5	<2	0.09	<0.5	3	26	11	2.21	10	<1	0.06	10	0.26	256	2
SE004975	0.008	0.3	3.27	13	<10	330	1.9	2	0.79	<0.5	11	53	47	4.21	10	<1	0.1	30	1.02	875	2
SE004976	0.007	0.4	2.66	<2	<10	180	0.6	<2	0.14	<0.5	5	46	12	2.54	10	<1	0.07	10	0.57	178	2
SE004977	<0.005	0.3	2.67	49	10	600	1	2	2.45	1.1	18	44	41	7.82	10	<1	0.09	10	0.89	6090	28
SE004978	0.008	0.6	2.49	9	<10	240	0.5	<2	0.2	<0.5	6	43	21	2.95	10	<1	0.09	10	0.48	250	2

## SOIL SAMPLE RESULTS SHEET

2010 Program, Summit West Project  
Solitaire Minerals Inc

SAMPLE	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
DESCRIPTION	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SE006389	0.01	66	620	8	0.03	<2	5	13	<20	0.03	<10	<10	101	<10	86
SE006390	0.01	74	730	8	0.03	<2	4	12	<20	0.02	<10	<10	78	<10	96
SE006391	0.01	77	300	7	0.02	<2	6	13	<20	0.02	<10	<10	69	<10	77
SE006392	<0.01	80	680	8	0.02	<2	5	12	<20	0.03	<10	<10	68	<10	90
SE006393	0.01	59	1360	7	0.06	<2	3	16	<20	0.02	<10	<10	76	<10	138
SE006394	0.01	38	980	12	0.03	<2	3	15	<20	0.04	<10	<10	61	<10	148
SE006395	0.01	47	850	10	0.03	<2	3	16	<20	0.04	<10	<10	71	<10	89
SE006396	0.01	38	1550	14	0.08	<2	1	30	<20	0.02	<10	<10	66	<10	130
SE006397	0.01	45	890	25	0.03	<2	2	8	<20	0.03	<10	<10	64	<10	115
SE006398	<0.01	17	550	19	0.02	<2	1	6	<20	0.01	<10	<10	26	<10	94
SE006399	0.02	67	1440	27	0.08	<2	7	92	<20	0.01	<10	<10	68	<10	106
SE006400	0.02	75	1300	14	0.07	<2	8	59	<20	0.01	<10	<10	69	<10	156
SE006451	0.02	48	1200	25	0.02	<1	5	20	<20	0.04	<10	<10	84	<10	117
SE006452	0.02	28	440	19	0.02	<2	2	18	<20	0.03	<10	<10	54	<10	89
SE006453	0.02	29	350	13	0.01	<2	4	29	<20	0.07	<10	<10	92	<10	79
SE006454	0.03	40	500	17	0.02	<2	4	34	<20	0.06	<10	<10	69	<10	85
SE006455	0.02	46	780	26	0.02	<2	-	24	<20	0.06	<10	<10	83	<10	105
SE006456	0.02	42	1130	17	0.02	<2	6	10	<20	0.06	<10	<10	103	<10	107
SE006457	0.02	51	890	29	0.03	<2	6	7	<20	0.1	<10	<10	97	<10	116
SE006458	0.02	52	400	13	0.02	<2	8	22	<20	0.07	<10	<10	77	<10	69
SE006459	0.02	13	1920	13	0.01	<2	4	28	<20	0.04	<10	<10	35	<10	101
SE006460	0.02	91	830	13	0.01	<2	5	9	<20	0.12	<10	<10	101	<10	78
SE006461	0.03	62	980	11	0.03	<2	4	21	<20	0.05	<10	<10	92	<10	103
SE006462	0.02	91	680	9	0.02	<2	5	10	<20	0.06	<10	<10	110	<10	71
SE006463	0.02	60	1040	10	0.03	<2	4	15	<20	0.04	<10	<10	106	<10	88
SE006464	0.03	54	440	8	0.01	<2	7	14	<20	0.06	<10	<10	114	<10	78
SE006465	0.03	47	1040	8	0.04	<2	3	11	<20	0.04	<10	<10	107	<10	94
SE004959	0.02	47	830	9	0.06	<2	3	11	<20	0.06	<10	<10	95	<10	83
SE004960	0.02	48	1210	10	0.09	<2	2	8	<20	0.06	<10	<10	90	<10	80
SE004961	0.01	54	1300	8	0.1	<2	<1	6	<20	0.02	<10	<10	51	<10	31
SE004962	<0.01	42	940	11	0.09	<2	2	9	<20	0.06	<10	<10	95	<10	72
SE004963	0.01	58	450	10	0.02	<2	8	22	<20	0.06	<10	<10	98	<10	66
SE004964	<0.01	39	990	7	0.08	<2	3	10	<20	0.06	<10	<10	95	<10	66
SE004965	<0.01	58	880	6	0.08	<2	2	7	<20	0.06	<10	<10	82	<10	58
SE004966	0.01	34	1200	11	0.09	<2	2	24	<20	0.07	<10	<10	87	<10	81
SE004967	<0.01	91	690	7	0.01	<2	9	10	<20	0.06	<10	<10	99	<10	83
SE004968	<0.01	38	2060	9	0.08	<2	2	14	<20	0.02	<10	<10	97	<10	79
SE004969	<0.01	68	1100	8	0.07	<2	5	27	<20	0.08	<10	<10	81	<10	75
SE004970	<0.01	22	1500	8	0.11	<2	1	14	<20	0.02	<10	<10	79	<10	55
SE004971	<0.01	58	910	12	0.06	<2	5	12	<20	0.08	<10	<10	103	<10	95
SE004972	<0.01	72	970	10	0.05	<2	10	39	<20	0.03	<10	<10	96	<10	126
SE004973	<0.01	91	1830	8	0.14	<2	3	25	<20	0.08	<10	<10	79	<10	88
SE004974	<0.01	8	900	6	0.03	<2	1	10	<20	0.02	<10	<10	68	<10	32
SE004975	<0.01	58	1100	9	0.08	<2	4	39	<20	0.08	<10	<10	80	<10	111
SE004976	<0.01	24	1530	7	0.1	<2	1	15	<20	0.01	<10	<10	65	<10	48
SE004977	0.01	54	1960	7	0.3	<2	7	249	<20	0.06	<10	<10	95	<10	69
SE004978	<0.01	20	1140	9	0.06	<2	1	20	<20	0.01	<10	<10	76	<10	44

SE004979	430057	6387142	B	20	moderate	red/brown	No	15	alpine	5	22-Jun	Craig	
SE004980	430136	6387205	B	25	moderate	brown	No	10	alpine	20	22-Jun	Craig	swampy
SE004981	430214	6387269	B	20	gentle	orange/brown	No	20	alpine	10	22-Jun	Craig	
SE004982	430290	6387339	B	25	gentle	light brown	No	25	alpine	10	22-Jun	Craig	
SE004983	430366	6387408	B	20	gentle	brown	No	20	alpine	10	22-Jun	Craig	
SE004984	430436	6387481	B	25	moderate	brown	No	20	alpine	5	22-Jun	Craig	
SE004985	430505	6387553	B	20	moderate	brown	No	20	alpine	5	22-Jun	Craig	
SE004986	430480	6387655	B	15	gentle	brown	No	20	alpine	10	22-Jun	Craig	
SE004987	430454	6387753	B	20	gentle	brown	No	25	alpine	10	22-Jun	Craig	
SE004988	430500	6387846	B	15	gentle	orange/brown	No	20	alpine	5	22-Jun	Craig	
SE004989	430566	6387934	B	20	gentle	orange/brown	No	20	alpine	10	22-Jun	Craig	
SE004990	430593	6388037	B	25	gentle	orange/brown	No	25	alpine	5	22-Jun	Craig	
SE004991	430620	6388140	B	20	gentle	brown	No	20	alpine	10	22-Jun	Craig	
SE004992	430680	6388220	B	20	gentle	brown	No	30	alpine	5	22-Jun	Craig	
SE004993	430763	6388408	B	25	gentle	brown	No	20	alpine	10	22-Jun	Craig	
SE004994	430809	6388494	B	20	gentle	orange/brown	No	25	alpine	5	22-Jun	Craig	
SE004995	430856	6388583	B	25	gentle	brown	No	20	alpine	10	22-Jun	Craig	

SE004979	0.008	0.6	2.57	5	<10	100	0.7	<2	0.05	<0.5	5	42	16	2.47	10	<1	0.07	10	0.49	158	2
SE004980	0.01	0.6	4.52	13	<10	890	2.2	2	0.63	0.7	22	75	102	5.46	20	<1	0.15	40	1.31	2830	4
SE004981	<0.005	0.4	2.59	13	<10	580	0.7	<2	0.54	0.5	12	50	14	7.11	10	<1	0.05	10	0.96	2960	7
SE004982	<0.005	<0.2	2.86	9	<10	140	0.8	2	0.2	<0.5	16	46	22	4.46	<10	<1	0.1	10	1.02	854	1
SE004983	<0.005	0.4	2.17	6	<10	230	0.5	<2	0.18	<0.5	8	47	18	3.46	10	<1	0.09	10	0.52	862	3
SE004984	0.006	0.4	3.38	11	<10	760	1.2	<2	0.75	0.6	10	68	40	4.19	10	<1	0.15	10	0.99	1140	2
SE004985	0.005	0.8	3.65	5	<10	980	2.2	<2	1.75	0.5	19	168	108	4.32	10	<1	0.06	20	0.91	2610	2
SE004986	<0.005	0.2	3.1	9	<10	250	1	<2	0.13	<0.5	10	59	24	4.36	10	<1	0.08	10	0.86	483	2
SE004987	0.008	0.4	2.59	7	<10	160	0.5	<2	0.1	<0.5	9	55	20	3.47	10	<1	0.07	10	0.71	560	2
SE004988	<0.005	0.2	3.09	7	<10	50	0.7	<2	0.29	<0.5	21	213	43	6.89	10	<1	0.05	10	1.03	751	2
SE004989	0.006	0.4	3.39	11	<10	140	0.7	<2	0.12	<0.5	13	74	37	4.92	10	1	0.09	<10	1.18	452	2
SE004990	<0.005	0.4	2.52	8	<10	70	0.8	<2	0.09	<0.5	6	42	15	4.02	10	<1	0.05	10	0.55	372	3
SE004991	<0.005	0.3	3.12	14	<10	170	0.6	<2	0.2	<0.5	12	62	41	4.55	10	<1	0.08	10	1.04	585	2
SE004992	<0.005	0.3	1.31	5	<10	130	<0.5	<2	0.24	<0.5	5	32	27	1.93	10	<1	0.07	<10	0.37	227	1
SE004993	<0.005	0.3	1.53	6	<10	80	<0.5	<2	0.07	<0.5	5	33	10	2.28	10	<1	0.08	<10	0.36	166	1
SE004994	<0.005	0.3	2.12	7	<10	160	<0.5	2	0.08	<0.5	6	41	16	3.04	10	<1	0.07	<10	0.5	238	2
SE004995	0.007	0.2	1.81	7	<10	110	<0.5	<2	0.07	<0.5	5	33	17	2.97	10	<1	0.07	<10	0.32	252	2

SE004979	<0.01	22	1420	9	0.1	<2	1	8	<20	0.02	<10	<10	54	<10	43
SE004980	0.01	86	1210	13	0.07	<2	11	68	<20	0.04	<10	<10	94	<10	120
SE004981	<0.01	30	950	8	0.07	<2	5	46	<20	0.05	<10	<10	90	<10	127
SE004982	<0.01	32	680	16	0.01	<2	6	11	<20	0.02	<10	<10	81	<10	94
SE004983	<0.01	23	1160	8	0.09	<2	1	23	<20	0.04	<10	<10	89	<10	76
SE004984	<0.01	59	2540	7	0.13	<2	3	48	<20	0.02	<10	<10	83	<10	161
SE004985	0.01	79	2030	9	0.14	<2	8	119	<20	0.03	<10	<10	121	<10	67
SE004986	<0.01	40	820	9	0.06	<2	3	20	<20	0.05	<10	<10	98	<10	67
SE004987	<0.01	26	1050	7	0.09	<2	1	12	<20	0.02	<10	<10	89	<10	72
SE004988	0.01	63	660	8	0.04	<2	15	10	<20	0.29	<10	<10	234	<10	71
SE004989	<0.01	51	100	8	0.05	<2	5	10	<20	0.07	<10	<10	117	<10	60
SE004990	0.01	24	840	10	0.04	<2	1	8	<20	0.07	<10	<10	59	<10	55
SE004991	<0.01	55	1000	9	0.09	<2	4	13	<20	0.08	<10	<10	89	<10	85
SE004992	<0.01	15	900	7	0.04	<2	1	45	<20	0.03	<10	<10	57	<10	33
SE004993	<0.01	10	770	8	0.09	<2	1	9	<20	0.04	<10	<10	72	<10	36
SE004994	<0.01	19	810	7	0.03	<2	2	11	<20	0.04	<10	<10	89	<10	44
SE004995	<0.01	10	690	9	0.09	<2	3	11	<20	0.08	<10	<10	94	<10	35



**Minerals**

ALS Canada Ltd.  
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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

Page: 1  
Finalized Date: 14- JUL- 2010  
This copy reported on  
11- JAN- 2011  
Account: SOMIIN

**CERTIFICATE WH10087512**

Project: Summit Blocks  
P.O. No.: 2/2  
This report is for 18 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28- JUN- 2010.  
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- 21	Sample logging - ClientBarCode
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

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

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: Summit Blocks

**CERTIFICATE OF ANALYSIS WH10087512**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
E005734	Summit D	0.36	0.011	2.3	1.10	17	<10	70	<0.5	<2	8.6	<0.5	12	6	8480	2.71
E005735		1.38	0.005	0.3	0.38	17	<10	1510	<0.5	<2	11.2	<0.5	7	3	48	1.82
E005736		1.16	<0.005	<0.2	0.31	<2	<10	30	<0.5	<2	0.23	<0.5	1	9	52	0.64
E005737		0.71	<0.005	<0.2	0.34	<2	<10	30	<0.5	<2	4.44	<0.5	2	8	4	1.81
E005738		0.86	<0.005	<0.2	0.20	<2	<10	40	<0.5	<2	3.47	<0.5	3	4	1	1.40
E005739	Summit West	1.08	0.005	<0.2	0.35	7	<10	10	<0.5	<2	0.08	<0.5	2	11	3	1.10
E005740		1.33	0.010	0.2	0.56	28	<10	10	<0.5	<2	0.03	<0.5	11	13	8	3.63
E005741		1.16	<0.005	<0.2	0.77	<2	<10	90	0.8	<2	0.06	<0.5	<1	4	1	1.59
E006401		1.23	<0.005	0.2	0.55	6	<10	70	0.7	<2	0.03	<0.5	<1	3	2	1.50
E006402	1.16	<0.005	1.1	0.35	27	<10	130	<0.5	<2	0.02	<0.5	<1	5	1	2.28	
E006403	Summit B	1.18	<0.005	<0.2	0.40	3	<10	60	0.8	<2	0.01	<0.5	<1	5	<1	1.28
E006404		1.23	<0.005	<0.2	0.56	6	<10	80	1.1	<2	0.01	<0.5	<1	7	1	1.82
E006405		1.03	0.025	0.8	0.37	29	<10	80	<0.5	<2	5.83	<0.5	20	3	3470	5.35
E006406		1.27	0.005	<0.2	1.08	5	<10	60	<0.5	<2	5.33	<0.5	11	19	58	4.57
E006407	1.10	3.03	1.0	0.54	7680	<10	210	<0.5	<2	6.86	<0.5	211	1	895	11.00	
E006408		1.53	0.005	<0.2	0.19	19	<10	20	<0.5	<2	3.78	<0.5	10	4	5	2.05
E006409		1.19	0.035	<0.2	2.02	80	<10	20	<0.5	<2	0.20	<0.5	39	23	122	6.55
E006410		2.28	0.012	1.7	0.29	181	<10	10	<0.5	<2	1.89	<0.5	15	3	5920	3.03





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 Account: SOMIIN

Project: Summit Blocks

**CERTIFICATE OF ANALYSIS WH10087512**

Sample Description	Method Analyte Units LOR	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	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
E005734	Summit D	<10	<1	0.10	10	0.86	1050	49	0.06	1	880	14	0.05	<2	5	53
E005735		<10	<1	0.10	10	0.04	1665	1	0.04	3	880	6	0.15	<2	3	163
E005736		<10	<1	0.07	<10	0.09	136	<1	0.11	<1	180	<2	0.01	<2	2	3
E005737		<10	<1	0.07	10	0.63	837	1	0.09	<1	180	<2	0.01	<2	7	24
E005738		<10	<1	<0.01	10	1.00	870	<1	0.13	<1	250	<2	0.01	<2	12	16
E005739	Summit West	<10	<1	0.01	<10	0.17	61	1	0.12	<1	240	<2	0.04	<2	1	4
E005740		<10	<1	<0.01	<10	0.42	83	1	0.09	4	280	3	0.46	<2	4	5
E005741		10	<1	0.21	20	0.06	149	1	0.05	<1	130	10	0.01	<2	2	6
E006401		10	<1	0.19	20	0.06	69	15	0.10	<1	110	18	0.06	2	2	5
E006402	10	1	0.30	10	0.02	33	16	0.14	<1	100	484	0.41	15	1	13	
E006403	Summit B	10	<1	0.15	20	0.02	68	2	0.07	<1	80	7	0.01	<2	2	4
E006404		<10	<1	0.17	10	0.02	130	6	0.10	<1	80	19	0.04	2	1	7
E006405		<10	<1	0.12	10	0.46	1870	<1	0.07	9	730	<2	0.88	<2	11	38
E006406		<10	<1	0.18	10	1.79	1425	<1	0.05	7	710	<2	0.12	<2	7	63
E006407		<10	<1	0.15	10	0.85	2820	2	0.06	19	580	10	0.22	22	20	111
E006408		<10	<1	0.02	<10	1.17	583	<1	0.12	2	660	<2	0.05	<2	12	22
E006409		10	<1	0.03	<10	1.72	189	3	0.08	13	1240	<2	1.87	<2	12	6
E006410		<10	<1	0.02	30	0.07	1165	1	0.15	8	1270	<2	0.32	<2	8	21



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 Finalized Date: 14-JUL-2010  
 Account: SOMIIN

Project: Summit Blocks

CERTIFICATE OF ANALYSIS WH10087512

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
E005734	Summit D	<20	0.01	<10	<10	88	<10	30
E005735		<20	<0.01	<10	<10	27	<10	28
E005736		<20	<0.01	<10	<10	4	<10	2
E005737		<20	<0.01	<10	<10	13	<10	<2
E005738		<20	<0.01	<10	<10	24	<10	<2
E005739	Summit West	<20	<0.01	<10	<10	5	<10	4
E005740		<20	<0.01	<10	<10	39	<10	9
E005741		<20	0.03	<10	<10	3	<10	84
E006401		<20	0.01	<10	<10	3	<10	15
E006402		<20	0.03	<10	<10	18	<10	8
E006403	Summit B	<20	0.03	<10	<10	4	<10	21
E006404		<20	<0.01	<10	<10	3	<10	39
E006405		<20	<0.01	<10	<10	38	<10	9
E006406		<20	<0.01	<10	<10	43	<10	17
E006407		<20	<0.01	<10	<10	39	<10	6
E006408		<20	<0.01	<10	<10	26	<10	<2
E006409		<20	0.01	<10	<10	137	<10	18
E006410		<20	<0.01	<10	<10	25	<10	21



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This copy reported on 13-JUL-2010  
Account: SOMIN

## CERTIFICATE VA10088603

Project: Summit Blocks

P.O. No.:

This report is for 138 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2-JUL-2010.

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
EXTRA-01	Extra Sample received in Shipment

## ANALYTICAL PROCEDURES

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

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: Summit Blocks

## CERTIFICATE OF ANALYSIS VA10088603

Sample Description	Method Analyte Units Lot	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE006451	↑	0.46	<0.005	<0.2	2.52	9	<10	260	0.7	<2	0.24	<0.5	9	54	29	3.89
SE006452		0.38	<0.005	<0.2	1.95	5	<10	190	1.3	<2	0.21	<0.5	7	32	20	2.88
SE006453		0.32	<0.005	<0.2	1.72	5	<10	220	<0.5	<2	0.23	<0.5	7	45	16	3.01
SE006454		0.34	<0.005	<0.2	2.98	6	<10	190	1.5	<2	0.34	<0.5	8	45	20	3.94
SE006455		0.44	<0.005	<0.2	3.22	6	<10	200	1.2	<2	0.32	<0.5	14	55	31	4.28
SE006456	Summit West	0.38	<0.005	<0.2	3.20	10	<10	200	0.7	2	0.10	<0.5	10	58	28	4.81
SE006457		0.44	<0.005	<0.2	3.46	8	<10	90	3.4	2	0.08	<0.5	14	62	29	4.77
SE006458		0.46	<0.005	<0.2	2.23	8	<10	190	1.3	2	0.32	<0.5	15	53	30	3.68
SE006459		0.32	<0.005	<0.2	1.81	3	<10	140	1.7	<2	0.52	0.5	8	16	11	3.81
SE006460		0.26	<0.005	<0.2	2.22	7	<10	130	0.5	<2	0.13	<0.5	7	43	16	4.47
SE006461	↓	0.44	<0.005	<0.2	2.86	9	<10	310	0.8	<2	0.44	<0.5	14	62	35	4.09
SE006462		0.32	<0.005	<0.2	2.80	10	<10	130	0.5	<2	0.14	<0.5	10	61	38	4.46
SE006463		0.32	0.005	<0.2	3.50	8	<10	210	0.9	2	0.22	<0.5	17	87	41	4.49
SE006464		0.34	0.007	<0.2	3.75	12	<10	260	0.8	<2	0.14	<0.5	16	71	48	4.59
SE006465		0.34	0.006	<0.2	3.25	12	<10	180	0.7	<2	0.13	<0.5	12	61	45	4.19
SE006466	↑	0.40	0.006	<0.2	2.89	32	<10	400	0.8	2	0.32	<0.5	29	42	102	6.27
SE006467		0.42	0.008	<0.2	2.87	22	<10	360	0.8	<2	0.24	<0.5	22	51	89	5.14
SE006468		0.44	0.008	<0.2	2.89	19	<10	250	0.7	2	0.23	<0.5	26	42	108	5.39
SE006469		0.42	0.005	<0.2	2.80	12	<10	320	0.8	<2	0.59	<0.5	18	43	77	4.99
SE006470		0.36	0.005	<0.2	2.98	15	<10	140	0.7	2	0.15	<0.5	25	39	92	5.55
SE006471	Summit B	0.34	<0.005	<0.2	2.85	14	<10	190	1.0	2	0.22	<0.5	22	53	48	5.17
SE006472		0.58	0.005	<0.2	2.98	21	<10	170	0.9	<2	0.20	<0.5	25	46	144	5.58
SE006473		0.46	0.008	<0.2	2.74	20	<10	150	0.9	<2	0.20	<0.5	22	36	109	5.46
SE006474		0.42	0.008	<0.2	3.23	20	<10	200	1.2	<2	0.27	<0.5	25	45	76	5.36
SE006475		0.42	0.007	<0.2	3.49	4	<10	180	2.9	2	0.48	<0.5	20	38	48	5.51
SE006476	↓	0.40	0.005	<0.2	2.84	22	<10	140	1.5	2	0.20	<0.5	22	33	83	5.50
SE006477		0.34	<0.005	<0.2	2.69	30	<10	170	1.2	<2	0.20	<0.5	23	29	107	5.67
SE006478		0.44	0.006	<0.2	1.89	44	<10	50	0.7	2	0.15	<0.5	25	12	157	6.51
SE006479		0.40	<0.005	<0.2	2.36	28	<10	670	1.5	<2	0.50	<0.5	16	11	132	5.23
SE006480		0.34	0.007	<0.2	3.94	18	<10	140	3.1	<2	0.16	<0.5	9	27	24	5.12
SE006481		0.50	0.005	<0.2	2.42	31	<10	170	1.1	<2	0.21	<0.5	24	25	86	6.14
SE006482		0.38	<0.005	<0.2	3.41	15	<10	120	1.8	<2	0.22	<0.5	15	36	30	5.42
SE006483		0.40	<0.005	0.2	3.16	16	<10	230	2.1	<2	0.34	<0.5	20	35	42	5.15
SE006484		0.32	<0.005	<0.2	2.63	25	<10	100	0.9	<2	0.08	<0.5	21	29	72	5.32
SE006485		Not Recvd														
SE006486	↓	0.44	0.005	<0.2	2.77	14	<10	280	0.9	<2	0.52	<0.5	19	48	52	4.73
SE006487		0.42	<0.005	0.4	2.78	18	<10	200	0.9	<2	0.14	<0.5	21	48	64	5.16
SE006488		0.44	<0.005	0.2	3.46	14	<10	210	1.9	<2	0.34	<0.5	21	44	46	4.96
SE006489		0.36	0.024	0.2	2.82	15	<10	130	2.4	<2	0.16	<0.5	14	26	44	4.75
SE006490		0.44	<0.005	0.2	2.57	27	<10	180	1.2	<2	0.16	<0.5	23	30	71	5.67



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 Account: SOMIIN

Project: Summit Blocks

**CERTIFICATE OF ANALYSIS VA10088603**

Sample Description	Method Analyte Units LOR	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	
		Ge ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
SE006451	Summit West	10	<1	0.12	10	0.82	589	3	0.02	48	1200	25	0.02	<2	5	20
SE006452		10	<1	0.14	20	0.54	582	2	0.02	28	440	19	0.02	<2	2	18
SE006453		10	<1	0.08	10	0.58	298	3	0.02	29	350	13	0.01	<2	4	29
SE006454		20	<1	0.10	20	0.74	382	4	0.03	40	500	17	0.02	<2	4	34
SE006455		10	<1	0.18	30	0.83	1835	8	0.02	48	780	26	0.02	<2	7	24
SE006456	Summit West	10	<1	0.09	10	0.81	608	2	0.02	42	1130	17	0.02	<2	6	10
SE006457		10	<1	0.08	20	1.02	1295	2	0.02	51	890	29	0.03	<2	6	7
SE006458		10	<1	0.12	20	0.97	962	1	0.02	52	400	13	0.02	<2	8	22
SE006459		10	<1	0.24	20	0.37	927	1	0.02	13	1920	13	0.01	<2	4	28
SE006460		10	<1	0.07	<10	0.82	349	2	0.02	31	830	13	0.01	<2	5	9
SE006461	Summit B	10	<1	0.11	10	1.06	1035	1	0.03	82	980	11	0.03	<2	4	21
SE006462		10	<1	0.07	<10	0.93	505	1	0.02	51	890	9	0.02	<2	5	10
SE006463		10	<1	0.11	10	1.82	625	1	0.02	60	1040	10	0.03	<2	4	15
SE006464		10	<1	0.11	10	1.34	607	1	0.03	64	440	8	0.01	<2	7	14
SE006465		10	<1	0.10	10	1.08	667	1	0.03	47	1040	8	0.04	<2	3	11
SE006466	Summit B	10	<1	0.07	10	1.42	1435	2	0.03	54	1270	6	0.08	<2	10	21
SE006467		10	<1	0.08	10	1.34	1070	1	0.03	61	1130	7	0.06	<2	6	18
SE006468		10	<1	0.08	20	1.62	1385	1	0.02	54	1120	6	0.03	<2	9	14
SE006469		10	<1	0.07	10	1.31	1045	1	0.03	41	1490	5	0.08	<2	6	28
SE006470		10	<1	0.05	20	1.40	1065	1	0.02	45	1140	6	0.04	<2	8	9
SE006471	Summit B	10	<1	0.08	10	1.27	1080	1	0.03	63	1070	9	0.06	<2	6	13
SE006472		10	<1	0.05	20	1.63	1055	1	0.02	48	850	9	0.02	<2	11	14
SE006473		10	<1	0.06	20	1.25	994	1	0.02	42	880	8	0.04	<2	7	16
SE006474		10	<1	0.06	20	1.36	1015	2	0.03	64	1050	11	0.06	<2	6	16
SE006475		10	<1	0.07	30	1.35	994	2	0.07	67	1000	6	0.04	<2	4	18
SE006476	Summit B	10	<1	0.07	30	1.13	1115	3	0.03	42	1080	14	0.03	<2	6	16
SE006477		10	<1	0.07	40	1.12	1250	2	0.02	37	910	14	0.03	<2	6	19
SE006478		<10	<1	0.03	30	0.88	734	8	0.01	34	1180	19	0.02	<2	5	9
SE006479		<10	<1	0.06	60	0.60	959	3	0.04	19	1300	18	0.04	<2	6	25
SE006480		20	<1	0.06	50	0.47	830	2	0.03	30	1560	14	0.14	<2	3	13
SE006481	Summit B	10	<1	0.06	30	1.04	1760	3	0.02	36	960	13	0.03	<2	6	20
SE006482		20	<1	0.06	30	0.75	833	3	0.04	37	1120	12	0.07	<2	4	10
SE006483		10	<1	0.06	30	1.22	1070	2	0.05	58	1020	11	0.06	<2	4	18
SE006484		10	<1	0.06	20	1.01	1105	3	0.02	37	770	19	0.06	<2	3	12
SE006485																
SE006486	Summit B	10	<1	0.06	10	1.37	981	1	0.03	70	870	8	0.06	<2	7	23
SE006487		10	<1	0.06	10	1.26	1200	2	0.02	57	980	8	0.08	<2	5	12
SE006488		10	<1	0.05	20	1.25	935	1	0.04	67	1140	9	0.08	<2	5	17
SE006489		20	<1	0.07	30	0.69	1110	3	0.05	34	1100	13	0.10	<2	3	12
SE006490		10	<1	0.08	20	1.02	1335	2	0.02	43	1080	14	0.08	<2	4	16

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



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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS VA10088603

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	
SE006451	Summit West	<20	0.04	<10	<10	84	<10	117
SE006452		<20	0.03	<10	<10	54	<10	89
SE006453		<20	0.07	<10	<10	92	<10	79
SE006454		<20	0.06	<10	<10	69	<10	85
SE006455		<20	0.08	<10	<10	83	<10	105
SE006456	Summit West	<20	0.06	<10	<10	103	<10	107
SE006467		<20	0.10	<10	<10	97	<10	116
SE006458		<20	0.07	<10	<10	77	<10	69
SE006459		<20	0.04	<10	<10	35	<10	101
SE006460		<20	0.12	<10	<10	101	<10	78
SE006481	Summit B	<20	0.05	<10	<10	92	<10	103
SE006482		<20	0.06	<10	<10	110	<10	71
SE006483		<20	0.04	<10	<10	106	<10	88
SE006484		<20	0.05	<10	<10	114	<10	78
SE006485		<20	0.04	<10	<10	107	<10	94
SE006466	Summit B	<20	0.12	<10	<10	70	<10	71
SE006467		<20	0.11	<10	<10	75	<10	73
SE006468		<20	0.12	<10	<10	77	<10	77
SE006469		<20	0.08	<10	<10	76	<10	74
SE006470		<20	0.11	<10	<10	80	<10	66
SE006471	Summit B	<20	0.19	<10	<10	84	<10	95
SE006472		<20	0.08	<10	<10	100	<10	72
SE006473		<20	0.06	<10	<10	87	<10	66
SE006474		<20	0.13	<10	<10	73	<10	107
SE006475		<20	0.43	<10	<10	69	<10	139
SE006476	Summit B	<20	0.11	<10	<10	68	<10	105
SE006477		<20	0.05	<10	<10	66	<10	85
SE006478		<20	0.01	<10	<10	22	<10	87
SE006479		<20	0.02	<10	<10	43	<10	114
SE006480		<20	0.12	<10	<10	43	<10	220
SE006481	Summit B	<20	0.06	<10	<10	65	<10	87
SE006482		<20	0.23	<10	<10	61	<10	121
SE006483		<20	0.26	<10	<10	63	<10	110
SE006484		<20	0.05	<10	<10	70	<10	114
SE006485		<20	0.05	<10	<10	70	<10	114
SE006486	Summit B	<20	0.13	<10	<10	71	<10	80
SE006487		<20	0.11	<10	<10	76	<10	72
SE006488		<20	0.27	<10	<10	72	<10	97
SE006489		<20	0.12	<10	<10	50	<10	105
SE006490		<20	0.07	<10	<10	72	<10	79



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Account: SOMIIN

Project: Summit Blocks

**CERTIFICATE OF ANALYSIS VA10088603**

## CERTIFICATE COMMENTS

Method

ALL METHODS

NSS is non-sufficient sample.



# 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

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Finalized Date: 12-JUL-2010  
This copy reported on 13-JUL-2010  
Account: SOMIIN

## CERTIFICATE WH10085379

Project: Summit Blocks

P.O. No.: 2/2

This report is for 260 Soil samples submitted to our lab in Whitehorse, YT, Canada on 28-JUN-2010.

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





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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE004820	Summit D	0.30	0.017	<0.2	1.35	5	<10	160	<0.5	<2	0.10	<0.5	9	36	22	3.91
SE004821		0.88	0.012	<0.2	3.39	14	<10	180	0.8	<2	0.15	<0.5	24	48	80	6.35
SE004822		0.36	<0.005	0.2	2.31	5	<10	440	0.6	<2	0.51	0.7	22	37	59	5.09
SE004823		0.44	<0.005	<0.2	2.56	8	<10	90	<0.5	<2	0.07	<0.5	11	63	22	5.62
SE004824		0.54	<0.005	0.2	1.97	8	<10	350	0.5	<2	0.08	<0.5	9	80	31	3.18
SE004825		0.36	<0.005	<0.2	2.03	6	<10	230	0.6	<2	0.07	0.5	7	72	24	4.12
SE004826		0.38	<0.005	0.2	2.43	8	<10	220	0.5	<2	0.03	<0.5	7	77	27	3.98
SE004837		0.42	<0.005	<0.2	1.15	4	<10	110	<0.5	<2	0.02	<0.5	3	38	15	1.95
SE004828		0.46	<0.005	<0.2	1.66	4	<10	240	0.8	<2	0.11	0.9	14	80	23	4.77
SE004829		0.34	<0.005	0.3	2.27	6	<10	220	1.0	<2	0.04	0.5	24	73	30	5.23
SE004830		0.30	0.064	<0.2	4.19	5	<10	510	2.1	<2	0.10	<0.5	11	100	55	4.87
SE004831		0.32	0.006	0.2	1.82	3	<10	170	<0.5	<2	0.03	<0.5	4	47	16	1.91
SE004832		0.38	0.005	<0.2	2.19	5	<10	150	0.9	<2	0.02	<0.5	5	48	19	4.33
SE004833		0.48	<0.005	<0.2	1.80	4	<10	440	<0.5	<2	0.45	0.7	18	67	25	3.65
SE004834		0.50	<0.005	0.2	2.42	4	<10	450	0.7	<2	0.19	<0.5	11	84	36	3.18
SE004835	Summit A	0.40	0.005	<0.2	2.07	6	<10	190	<0.5	<2	0.04	<0.5	8	63	22	3.73
SE004836		0.48	<0.005	<0.2	2.23	7	<10	180	0.6	<2	0.02	<0.5	7	61	17	4.38
SE004837		0.48	<0.005	<0.2	2.59	8	<10	220	0.5	<2	0.07	<0.5	7	79	23	4.06
SE004838		0.54	0.006	<0.2	3.90	5	<10	190	1.9	<2	0.14	<0.5	15	60	21	4.18
SE004839		0.36	<0.005	0.3	4.35	7	<10	630	1.2	<2	0.44	0.6	22	117	34	6.56
SE004840		0.38	<0.005	0.2	2.56	4	<10	370	1.0	<2	0.09	0.6	10	66	23	4.51
SE004841		0.44	<0.005	0.2	1.37	3	<10	240	<0.5	<2	0.06	<0.5	4	37	15	2.19
SE004842		0.52	<0.005	0.2	1.64	6	<10	180	<0.5	<2	0.02	<0.5	5	50	14	3.12
SE004843		0.40	<0.005	<0.2	1.19	4	<10	120	<0.5	<2	0.01	<0.5	3	32	13	1.78
SE004844		0.20	<0.005	0.8	3.27	4	<10	540	0.8	<2	0.53	0.5	19	103	49	4.28
SE004845		0.48	<0.005	0.2	2.24	7	<10	140	0.6	<2	0.03	<0.5	8	67	18	4.36
SE004846		0.26	<0.005	1.0	3.63	4	<10	690	1.5	<2	1.36	0.6	37	90	51	4.30
SE004847		0.38	<0.005	0.3	1.82	7	<10	240	0.5	<2	0.32	0.7	11	69	20	4.16
SE004848		0.38	<0.005	0.3	2.50	5	<10	250	0.6	<2	0.16	0.7	10	72	28	3.83
SE004849		0.40	<0.005	0.2	0.72	3	<10	180	<0.5	<2	0.09	<0.5	2	21	8	0.87
SE004850		0.40	<0.005	0.2	1.62	4	<10	330	0.5	<2	0.08	<0.5	5	48	15	3.90
SE004851		0.50	<0.005	0.2	2.14	7	<10	220	<0.5	<2	0.09	<0.5	8	77	18	4.76
SE004852		0.42	<0.005	<0.2	1.29	6	<10	300	<0.5	<2	0.09	0.5	7	44	13	2.97
SE004853		0.48	<0.005	<0.2	1.10	5	<10	140	<0.5	<2	0.03	<0.5	4	38	11	2.62
SE004834		0.46	<0.005	0.2	1.48	2	<10	300	0.5	<2	0.23	2.7	14	56	23	2.68
SE004855	Summit W.	0.42	<0.005	<0.2	2.37	9	<10	280	0.6	<2	0.13	<0.5	8	68	18	4.57
SE004856		0.52	<0.005	<0.2	2.05	7	<10	180	0.6	<2	0.06	<0.5	5	56	16	2.96
SE004857		0.28	<0.005	0.3	1.34	3	<10	270	<0.5	<2	0.09	0.6	4	40	17	2.51
SE004858		0.54	<0.005	<0.2	2.02	7	<10	210	<0.5	<2	0.08	<0.5	8	68	17	4.54
SE004859		0.40	<0.005	<0.2	2.72	12	<10	210	1.0	<2	0.18	<0.5	16	55	31	4.35



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 Account: SOMIIN

Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	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
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
SE004920	Summit D	10	<1	0.05	<10	0.31	954	1	<0.01	14	1020	8	0.02	2	3	12
SE004921		10	<1	0.08	10	1.42	2020	<1	<0.01	31	660	7	0.01	3	14	10
SE004922		10	<1	0.08	10	0.64	3820	<1	0.01	24	1360	9	0.06	2	4	29
SE004923		10	<1	0.06	<10	0.97	484	1	<0.01	28	960	8	0.01	2	5	9
SE004924		10	<1	0.09	10	0.64	298	1	<0.01	84	300	6	<0.01	2	5	28
SE004925		10	<1	0.09	10	0.64	344	2	<0.01	59	320	6	<0.01	<2	4	20
SE004926		20	1	0.10	10	0.82	371	3	0.02	55	650	14	0.02	<2	5	12
SE004927		20	<1	0.08	10	0.23	111	3	0.01	17	330	6	0.01	<2	3	5
SE004928		10	<1	0.11	<10	0.37	772	1	0.02	40	990	9	0.09	<2	1	15
SE004929		20	<1	0.11	10	0.34	3320	3	0.02	38	1270	9	0.12	<2	2	10
SE004930		10	<1	0.10	20	0.97	465	2	0.02	111	1080	9	0.07	<2	4	20
SE004931		10	<1	0.08	10	0.31	145	2	0.01	23	610	8	0.02	<2	1	17
SE004932		20	<1	0.06	10	0.27	424	3	0.02	26	650	13	0.04	<2	2	7
SE004933		10	<1	0.13	<10	0.76	1850	1	0.02	58	1880	7	0.10	<2	1	38
SE004934		10	<1	0.11	10	1.83	318	1	0.02	98	540	6	0.03	<2	5	23
SE004935	Summit A	10	<1	0.09	10	0.52	309	2	0.02	45	440	8	0.01	<2	5	9
SE004936		20	<1	0.08	10	0.57	326	2	0.01	46	520	8	0.01	<2	4	4
SE004937		20	1	0.09	10	0.74	223	2	0.02	87	340	9	0.02	<2	5	12
SE004938		10	1	0.05	10	0.95	416	1	0.02	74	720	7	0.06	<2	3	26
SE004939		10	1	0.13	10	1.10	3330	2	0.02	117	2470	4	0.13	<2	7	34
SE004940		10	<1	0.10	10	0.53	427	2	0.01	53	550	9	0.04	<2	3	13
SE004941		10	1	0.08	<10	0.22	142	2	0.01	19	380	7	0.02	<2	3	14
SE004942		10	<1	0.06	<10	0.39	228	2	0.01	29	400	5	0.01	<2	3	6
SE004943		10	<1	0.07	10	0.21	116	2	0.01	15	430	6	0.01	<2	2	6
SE004944		10	<1	0.15	10	1.41	608	1	0.02	129	1280	6	0.09	<2	7	60
SE004945		10	<1	0.06	<10	0.68	236	2	0.01	57	470	7	0.02	<2	4	4
SE004946		10	<1	0.13	20	1.11	2430	3	0.02	91	1740	8	0.10	<2	7	120
SE004947		10	<1	0.09	10	0.66	938	3	0.02	48	460	8	0.03	<2	3	30
SE004948		10	<1	0.10	10	0.84	391	1	0.02	79	430	8	0.02	<2	5	21
SE004949		10	<1	0.05	10	0.14	112	2	0.02	7	140	7	0.01	<2	2	18
SE004950		10	<1	0.07	10	0.33	220	3	0.02	28	480	10	0.02	<2	3	19
SE004951		10	1	0.12	<10	0.84	321	1	0.01	52	1210	7	0.01	<2	5	10
SE004952		10	<1	0.08	<10	0.41	478	1	0.01	33	650	6	0.01	<2	2	13
SE004953		10	<1	0.06	<10	0.34	243	1	0.01	24	490	8	0.01	<2	3	4
SE004954		10	<1	0.10	<10	0.67	706	1	0.01	66	970	6	0.03	<2	2	32
SE004955	Summit West	20	<1	0.09	10	0.67	274	3	0.02	52	650	9	0.02	<2	4	15
SE004956		10	1	0.07	10	0.53	143	2	0.02	46	420	8	0.01	<2	3	10
SE004957		10	<1	0.08	10	0.26	221	2	0.02	26	610	10	0.02	<2	2	19
SE004958		10	<1	0.08	10	0.67	344	2	0.02	51	2850	9	0.01	<2	5	9
SE004959		10	<1	0.08	10	0.97	1085	1	0.02	47	830	9	0.06	<2	3	11



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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
SE004920	Summit D	<20	0.11	<10	<10	148	<10	64
SE004921		<20	0.07	<10	<10	129	<10	83
SE004922		<20	0.05	<10	<10	121	<10	79
SE004923		<20	0.07	<10	<10	127	<10	56
SE004924		<20	0.03	<10	<10	61	<10	82
SE004925		<20	0.04	<10	<10	65	<10	83
SE004926		<20	0.04	<10	<10	82	<10	91
SE004927		<20	0.04	<10	<10	76	<10	50
SE004928		<20	0.04	<10	<10	68	<10	110
SE004929		<20	0.03	<10	<10	70	<10	102
SE004930		<20	0.02	<10	<10	78	<10	100
SE004931		<20	0.02	<10	<10	60	<10	44
SE004932		<20	0.06	<10	<10	50	<10	69
SE004933		<20	0.02	<10	<10	55	<10	182
SE004934		<20	0.02	<10	<10	59	<10	87
SE004935	Summit A	<20	0.04	<10	<10	83	<10	84
SE004936		<20	0.05	<10	<10	64	<10	90
SE004937		<20	0.04	<10	<10	78	<10	85
SE004938		<20	0.07	<10	<10	46	<10	85
SE004939		<20	0.01	<10	<10	129	<10	158
SE004940		<20	0.04	<10	<10	77	<10	90
SE004941		<20	0.04	<10	<10	68	<10	42
SE004942		<20	0.05	<10	<10	78	<10	48
SE004943		<20	0.04	<10	<10	53	<10	49
SE004944		<20	0.01	<10	<10	80	<10	129
SE004945		<20	0.02	<10	<10	65	<10	96
SE004946		<20	0.01	<10	<10	82	<10	118
SE004947		<20	0.05	<10	<10	71	<10	114
SE004948		<20	0.03	<10	<10	67	<10	101
SE004949		<20	0.04	<10	<10	33	<10	27
SE004950		<20	0.05	<10	<10	77	<10	90
SE004951		<20	0.02	<10	<10	107	<10	194
SE004952		<20	0.04	<10	<10	58	<10	103
SE004953		<20	0.04	<10	<10	80	<10	62
SE004954		<20	0.02	<10	<10	46	<10	159
SE004955	Summit West	<20	0.04	<10	<10	75	<10	91
SE004956		<20	0.02	<10	<10	54	<10	86
SE004957		<20	0.04	<10	<10	47	<10	58
SE004958		<20	0.04	<10	<10	73	<10	100
SE004959		<20	0.06	<10	<10	95	<10	83



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Sample Description	Method Analyte Units LOR	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	1	1	1	1	0.01
SE004960	↑	0.48	<0.005	0.3	2.46	9	<10	150	0.7	<2	0.15	<0.5	11	58	27	4.18
SE004961		0.36	0.019	0.3	1.78	5	<10	110	<0.5	<2	0.07	<0.5	4	30	14	2.07
SE004962		0.50	0.006	<0.2	3.15	11	<10	110	0.8	2	0.12	<0.5	11	57	22	4.05
SE004963		0.60	<0.005	0.2	2.88	11	<10	390	0.8	<2	0.53	<0.5	14	61	34	4.10
SE004964		0.46	<0.005	0.2	3.09	8	<10	110	0.6	2	0.07	<0.5	11	53	25	4.03
SE004965		0.46	0.011	0.2	2.92	5	<10	80	0.6	<2	0.08	<0.5	10	50	23	3.76
SE004966		0.44	0.005	0.3	2.90	8	<10	140	1.2	2	0.33	<0.5	11	49	27	3.93
SE004967		0.46	0.005	0.3	3.11	9	<10	130	0.8	<2	0.12	<0.5	17	69	56	4.43
SE004968		0.46	<0.005	0.4	3.47	10	<10	220	0.8	2	0.09	<0.5	9	64	34	4.07
SE004969		0.58	0.007	0.4	3.27	10	<10	460	1.2	2	0.49	<0.5	9	52	44	3.86
SE004970		0.40	<0.005	0.4	2.39	10	<10	200	0.6	<2	0.12	<0.5	7	40	21	3.57
SE004971		0.36	0.005	<0.2	3.42	14	<10	180	0.9	3	0.11	<0.5	13	83	48	4.53
SE004972		0.54	0.014	0.6	3.30	13	<10	430	1.0	<2	0.81	<0.5	14	72	71	4.53
SE004973		0.48	<0.005	0.3	2.97	12	<10	300	1.4	<2	0.57	<0.5	9	47	30	3.86
SE004974		0.40	0.005	0.2	1.35	8	<10	80	<0.5	<2	0.09	<0.5	3	26	11	2.21
SE004975	Summit West	0.62	0.008	0.4	3.27	13	<10	330	1.9	2	0.79	<0.5	11	54	47	4.21
SE004976		0.46	0.007	0.4	2.66	<2	<10	180	0.6	<2	0.14	<0.5	5	46	12	2.54
SE004977		0.34	<0.005	0.7	2.87	49	10	600	1.0	2	2.45	1.1	18	44	41	7.82
SE004978		0.46	0.008	0.6	2.49	9	<10	240	0.5	<2	0.20	<0.5	6	43	21	2.95
SE004979		0.38	0.008	0.6	2.57	5	<10	100	0.7	<2	0.05	<0.5	5	42	16	2.47
SE004980		0.42	0.010	0.6	4.52	13	<10	890	2.2	2	0.63	0.7	22	75	102	5.46
SE004981		0.46	<0.005	0.4	2.59	13	<10	580	0.7	<2	0.54	0.5	12	50	14	7.11
SE004982		0.52	<0.005	<0.2	2.86	9	<10	140	0.8	2	0.20	<0.5	16	48	22	4.46
SE004986		0.34	<0.005	0.4	2.17	6	<10	230	0.5	<2	0.18	<0.5	8	47	18	3.46
SE004984		0.26	0.006	0.4	3.38	11	<10	760	1.2	<2	0.75	0.6	10	68	40	4.19
SE004985		0.46	0.005	0.8	3.65	5	<10	980	2.2	<2	1.75	0.5	19	168	108	4.32
SE004986		0.44	<0.005	0.2	3.10	9	<10	250	1.0	<2	0.13	<0.5	10	59	24	4.36
SE004987		0.36	0.008	0.4	2.59	7	<10	160	0.5	<2	0.10	<0.5	9	55	20	3.47
SE004988		0.38	<0.005	0.2	3.09	7	<10	50	0.7	<2	0.29	<0.5	21	213	43	6.89
SE004989		0.46	0.006	0.4	3.39	11	<10	140	0.7	<2	0.12	<0.5	13	74	37	4.92
SE004990		0.44	<0.005	0.4	2.52	8	<10	70	0.8	<2	0.09	<0.5	6	42	15	4.02
SE004991		0.52	<0.005	0.3	3.12	14	<10	170	0.6	<2	0.20	<0.5	12	62	41	4.55
SE004992		0.42	<0.005	0.2	1.31	5	<10	130	<0.5	<2	0.24	<0.5	5	32	27	1.93
SE004993		0.34	<0.005	0.3	1.53	6	<10	80	<0.5	<2	0.07	<0.5	5	33	10	2.28
SE004994		0.46	<0.005	0.3	2.12	7	<10	160	<0.5	2	0.06	<0.5	6	41	16	3.04
SE004995	Summit B	0.44	0.007	0.2	1.91	7	<10	110	<0.5	<2	0.07	<0.5	5	33	17	2.97
SE004996		0.46	0.006	0.4	2.13	35	<10	290	1.3	2	1.65	2.6	54	16	155	4.51
SE004997		0.50	<0.005	0.3	2.42	49	<10	160	1.3	<2	0.62	0.6	41	22	108	6.10
SE004998		0.40	0.006	<0.2	2.24	13	<10	260	0.8	<2	0.24	<0.5	21	37	66	5.15
SE004999		0.40	0.011	<0.2	2.23	33	<10	220	1.4	<2	1.33	0.8	35	18	82	4.97



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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	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
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
SE004960	↑	10	1	0.07	10	0.92	800	1	0.02	48	1210	10	0.09	<2	2	8
SE004961		10	1	0.05	10	0.28	180	1	0.01	14	1300	8	0.10	<2	<1	8
SE004962		10	<1	0.07	10	0.99	547	2	<0.01	42	940	11	0.09	<2	2	9
SE004963		10	<1	0.09	10	1.31	628	1	0.01	58	450	10	0.02	<2	8	22
SE004964	10	<1	0.07	10	0.06	736	<1	<0.01	39	990	7	0.08	<2	3	10	
SE004985		10	<1	0.06	10	0.87	485	2	<0.01	38	880	6	0.08	<2	2	7
SE004986		10	<1	0.08	10	0.74	531	3	0.01	34	1200	11	0.09	<2	2	24
SE004987		10	1	0.11	10	1.36	741	1	<0.01	61	690	7	0.01	<2	9	10
SE004988		10	<1	0.08	10	0.78	364	2	<0.01	38	2060	9	0.08	<2	2	14
SE004989		10	<1	0.07	10	0.92	469	2	<0.01	48	1100	8	0.07	<2	5	27
SE004970		10	<1	0.06	10	0.52	513	2	<0.01	22	1500	8	0.11	<2	1	14
SE004971		10	<1	0.11	10	1.13	577	2	<0.01	55	910	12	0.05	<2	5	12
SE004972		10	<1	0.14	20	1.29	841	2	<0.01	72	970	10	0.05	<2	10	39
SE004973		10	<1	0.08	10	0.83	763	2	<0.01	38	1920	8	0.14	<2	3	25
SE004974		10	<1	0.06	10	0.26	256	2	<0.01	8	900	6	0.03	<2	1	10
SE004975	Summit West	10	<1	0.10	30	1.02	875	2	<0.01	60	1160	9	0.08	<2	4	39
SE004976		10	<1	0.07	10	0.67	178	2	<0.01	24	1530	7	0.10	<2	1	15
SE004977		10	<1	0.09	10	0.89	6090	28	0.01	54	1960	7	0.30	<2	7	249
SE004978		10	<1	0.09	10	0.48	250	2	<0.01	20	1140	9	0.06	<2	1	20
SE004979		10	<1	0.07	10	0.49	158	2	<0.01	22	1420	9	0.10	<2	1	8
SE004980		20	<1	0.15	40	1.31	2830	4	0.01	86	1210	13	0.07	<2	11	68
SE004981		10	<1	0.05	10	0.96	2960	7	<0.01	30	950	8	0.07	<2	5	48
SE004982		<10	<1	0.10	10	1.02	854	1	<0.01	32	880	16	0.01	<2	6	11
SE004986		10	<1	0.09	10	0.52	862	3	<0.01	23	1160	8	0.09	<2	1	23
SE004984		10	<1	0.15	10	0.99	1140	2	<0.01	59	2540	7	0.13	<2	3	48
SE004985		10	<1	0.06	20	0.91	2610	2	0.01	79	2030	9	0.14	<2	8	119
SE004986		10	<1	0.08	10	0.96	483	2	<0.01	40	820	9	0.06	<2	3	20
SE004967		10	<1	0.07	10	0.71	560	2	<0.01	26	1050	7	0.05	<2	1	12
SE004988		10	<1	0.05	10	1.03	751	2	0.01	63	660	8	0.04	<2	15	10
SE004989		10	1	0.09	<10	1.18	452	2	<0.01	51	700	8	0.05	<2	5	10
SE004990		10	<1	0.05	10	0.55	372	3	0.01	24	840	10	0.04	<2	1	8
SE004991		10	<1	0.08	10	1.04	585	2	<0.01	55	1000	9	0.05	<2	4	13
SE004992		10	<1	0.07	<10	0.37	227	1	<0.01	15	900	7	0.04	<2	1	45
SE004993		10	<1	0.08	<10	0.36	166	1	<0.01	10	770	8	0.03	<2	1	9
SE004994		10	<1	0.07	<10	0.50	238	2	<0.01	19	810	7	0.03	<2	2	11
SE004995	Summit B	10	<1	0.07	<10	0.92	252	2	<0.01	14	690	9	0.03	<2	3	11
SE004996		10	<1	0.09	40	0.68	2320	3	<0.01	17	2340	30	0.17	<2	4	109
SE004997		10	<1	0.08	30	0.68	1895	4	<0.01	24	2040	40	0.14	<2	3	48
SE004998		10	<1	0.06	20	0.72	1185	2	0.01	39	1020	20	0.08	<2	3	29
SE004999		10	<1	0.12	30	0.59	1840	2	0.02	19	2120	48	0.14	<2	2	79



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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
		Th	Ti	Tl	U	V	W	Zn	
		ppm	%	ppm	ppm	ppm	ppm	ppm	
SE004960	↑	<20	0.06	<10	<10	90	<10	80	
SE004961		<20	0.02	<10	<10	51	<10	31	
SE004962		<20	0.06	<10	<10	95	<10	72	
SE004963		<20	0.06	<10	<10	98	<10	66	
SE004964		<20	0.06	<10	<10	95	<10	66	
SE004965		<20	0.06	<10	<10	82	<10	58	
SE004966		<20	0.07	<10	<10	87	<10	81	
SE004967		<20	0.06	<10	<10	99	<10	83	
SE004968		<20	0.02	<10	<10	97	<10	79	
SE004969		<20	0.03	<10	<10	81	<10	75	
SE004970		<20	0.02	<10	<10	79	<10	55	
SE004971		<20	0.03	<10	<10	103	<10	95	
SE004972		<20	0.03	<10	<10	96	<10	126	
SE004973		<20	0.03	<10	<10	78	<10	88	
SE004974		<20	0.02	<10	<10	68	<10	32	
SE004975	Summit West	<20	0.04	<10	<10	80	<10	111	
SE004976		<20	0.01	<10	<10	65	<10	48	
SE004977		<20	0.05	<10	<10	95	<10	69	
SE004978		<20	0.01	<10	<10	78	<10	44	
SE004979		<20	0.02	<10	<10	54	<10	43	
SE004980		<20	0.04	<10	<10	94	<10	120	
SE004981		<20	0.05	<10	<10	90	<10	127	
SE004982		<20	0.02	<10	<10	81	<10	94	
SE004986		<20	0.04	<10	<10	89	<10	76	
SE004984		<20	0.02	<10	<10	83	<10	161	
SE004985		<20	0.03	<10	<10	121	<10	67	
SE004986		<20	0.05	<10	<10	96	<10	67	
SE004987		<20	0.02	<10	<10	89	<10	72	
SE004988		<20	0.29	<10	<10	234	<10	71	
SE004989		<20	0.07	<10	<10	117	<10	60	
SE004990		<20	0.07	<10	<10	59	<10	55	
SE004991		<20	0.04	<10	<10	89	<10	85	
SE004992		<20	0.03	<10	<10	57	<10	33	
SE004993		<20	0.04	<10	<10	72	<10	36	
SE004994		<20	0.04	<10	<10	89	<10	44	
SE004995	Summit B ↑ ↓	<20	0.08	<10	<10	94	<10	35	
SE004996		<20	0.04	<10	<10	66	<10	171	
SE004997		<20	0.04	<10	<10	70	<10	133	
SE004998		<20	0.12	<10	<10	77	<10	99	
SE004999		<20	0.04	<10	<10	55	<10	154	

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## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Be ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
SE006381	Summit A	0.54	<0.005	<0.2	2.33	4	<10	180	0.6	<2	0.10	<0.5	16	72	32	3.72
SE006382		0.46	<0.005	<0.2	1.78	4	<10	180	0.5	<2	0.06	<0.5	9	59	20	2.92
SE006383		0.44	<0.005	<0.2	1.96	6	<10	170	0.5	<2	0.03	<0.5	9	69	22	3.40
SE006384		0.42	<0.005	<0.2	1.81	5	<10	170	0.5	<2	0.05	<0.5	11	64	25	2.89
SE006385		0.36	<0.005	0.3	1.73	5	<10	190	0.5	<2	0.07	<0.5	7	57	22	3.29
SE006386	Summit West	0.38	<0.005	0.2	2.13	6	<10	160	0.6	<2	0.04	<0.5	9	71	22	3.63
SE006387		0.36	<0.005	<0.2	2.00	6	<10	190	0.5	<2	0.08	<0.5	8	71	21	3.74
SE006388		0.36	<0.005	<0.2	1.93	8	<10	130	0.6	<2	0.02	<0.5	8	65	19	3.79
SE006389		0.36	<0.005	<0.2	3.23	10	<10	180	0.8	<2	0.16	<0.5	16	75	36	4.64
SE006390		0.42	<0.005	<0.2	2.71	10	<10	130	0.9	<2	0.13	<0.5	17	62	29	4.23
SE006391	Summit West	0.40	<0.005	<0.2	2.23	9	<10	180	0.7	<2	0.14	<0.5	19	62	32	3.66
SE006392		0.42	<0.005	<0.2	2.37	9	<10	130	0.7	<2	0.15	<0.5	18	61	34	3.79
SE006393		0.42	<0.005	0.3	2.46	8	<10	240	0.7	<2	0.20	0.6	15	60	29	4.00
SE006394		0.30	<0.005	<0.2	1.95	8	<10	200	1.1	<2	0.24	0.7	11	40	16	3.59
SE006395		0.32	<0.005	<0.2	1.91	7	<10	250	0.7	<2	0.16	<0.5	20	49	24	3.56
SE006396	Summit West	0.30	<0.005	<0.2	1.97	8	<10	280	1.2	<2	0.45	0.6	13	41	23	3.62
SE006397		0.38	<0.005	0.2	2.36	9	<10	140	2.4	<2	0.06	<0.5	13	47	18	3.70
SE006398		0.40	<0.005	<0.2	1.89	5	<10	90	1.4	<2	0.06	<0.5	5	17	10	2.35
SE006399		0.24	<0.005	0.3	4.05	9	<10	660	3.9	2	1.27	0.6	45	57	73	3.72
SE006400		0.30	0.019	0.7	3.36	9	<10	560	4.2	<2	0.72	<0.5	13	64	74	4.11

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Project: Summit Blocks

## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	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
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
SE006381	Summit A	10	<1	0.04	10	1.08	370	1	0.01	94	470	4	0.02	<2	4	11
SE006382		10	<1	0.05	<10	0.72	236	1	0.01	62	220	5	0.02	<2	4	11
SE006383		10	<1	0.06	<10	0.81	300	1	<0.01	69	340	5	0.02	<2	4	8
SE006384		10	<1	0.05	<10	0.83	368	1	0.01	71	250	5	0.02	<2	4	11
SE006385		10	<1	0.07	10	0.07	315	2	0.01	54	460	7	0.02	<2	3	12
SE006386	Summit West	10	<1	0.06	<10	0.90	279	2	<0.01	73	610	5	0.02	<2	4	8
SE006387		10	<1	0.08	<10	0.91	256	2	<0.01	69	360	6	0.02	<2	4	11
SE006388		10	<1	0.06	<10	0.75	316	2	<0.01	65	680	5	0.02	<2	4	8
SE006389		10	<1	0.08	10	1.28	673	<1	0.01	66	620	8	0.03	<2	5	13
SE006390		10	<1	0.07	10	1.10	678	1	0.01	74	730	8	0.03	<2	4	12
SE006391	Summit West	10	<1	0.08	10	1.08	885	1	0.01	77	300	7	0.02	<2	6	13
SE006392		10	<1	0.07	10	1.04	665	1	<0.01	80	680	8	0.02	<2	5	12
SE006393		10	<1	0.08	10	0.94	914	3	0.01	59	1360	7	0.06	<2	3	16
SE006394		10	<1	0.16	10	0.68	801	1	0.01	38	980	12	0.03	<2	3	15
SE006395		10	<1	0.10	10	0.75	973	1	0.01	47	850	10	0.08	<2	3	16
SE006396	Summit West	10	<1	0.15	20	0.56	1725	1	0.01	38	1550	14	0.08	<2	1	30
SE006397		10	<1	0.07	20	0.71	1495	1	0.01	45	690	25	0.03	<2	2	8
SE006398		10	<1	0.12	20	0.36	525	1	<0.01	17	550	19	0.02	<2	1	6
SE006399		10	<1	0.13	150	0.86	3570	13	0.02	67	1440	27	0.08	<2	7	62
SE006400		10	<1	0.17	70	1.01	1300	4	0.02	75	1300	14	0.07	<2	8	59

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## CERTIFICATE OF ANALYSIS WH10085379

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
SE006381	Summit A	<20	0.08	<10	<10	57	<10	83
SE006382		<20	0.04	<10	<10	56	<10	74
SE006383		<20	0.02	<10	<10	57	<10	107
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SE006399		<20	0.01	<10	<10	68	<10	106
SE006400		<20	0.01	<10	<10	69	<10	156

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



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

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

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 12-JUL-2010  
Account: SOMIN

Project: Summit Blocks

**CERTIFICATE OF ANALYSIS WH10085379**

## CERTIFICATE COMMENTS

Method

ALL METHODS

NSS is non-sufficient sample.



**LEGEND**

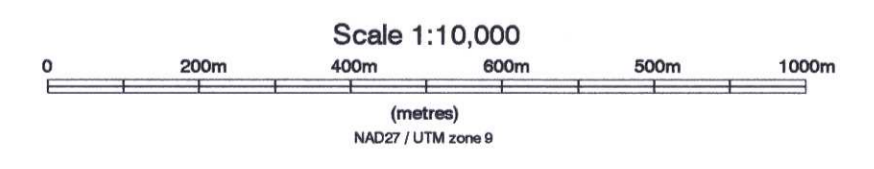
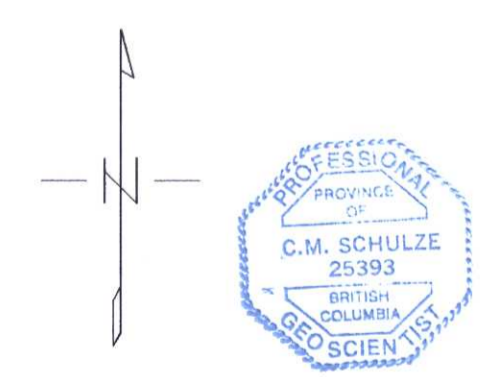
- Upper Jurassic to Stuhini Group**
- TSc Conglomerate, clasts, including sedimentary clasts to 10 cm, locally mixed with agglomerate clasts
  - TSab Intermediate to mafic flows, tuffs, lapilli tuff and agglomerate; tuff bedding locally present

**SYMBOLS**

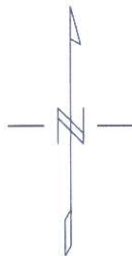
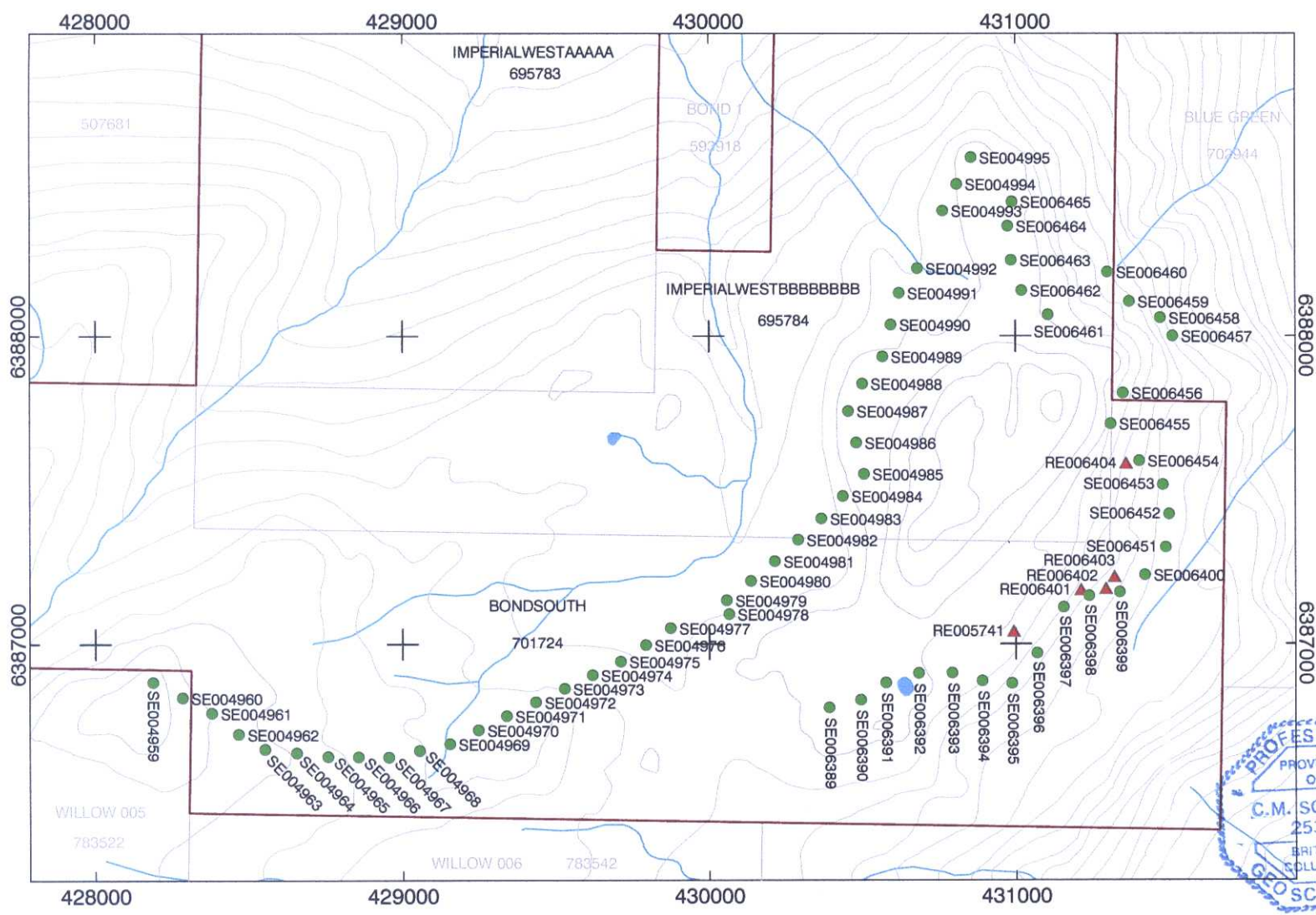
- Strike & dip of Tuff Bedding
- Strike & dip of Foliation
- Strike & dip of Shear
- Strike & dip of Joint
- Outcrop boundary
- Rubblecrop, talus boundary
- Geological Contact
- Cliff

**ABBREVIATIONS**

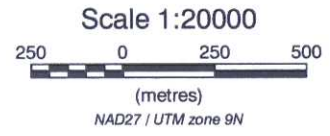
- |        |              |
|--------|--------------|
| aggl   | Agglomerate  |
| bed    | Bedded       |
| bleach | Bleached     |
| brecc  | Brecciated   |
| carb   | Carbonate    |
| chl    | Chlorite     |
| cong   | Conglomerate |
| ep     | Epidote      |
| fragm  | Fragmental   |
| hem    | Hematite     |
| Int    | Intermediate |
| lap    | Lapilli      |
| lim    | Limonite     |
| maf    | Mafic        |
| R/C    | Rubblecrop   |
| sil    | Silicified   |
| sit    | Siltstone    |
| ta     | Talus        |
| tf     | Tuff         |



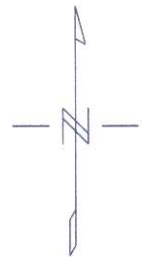
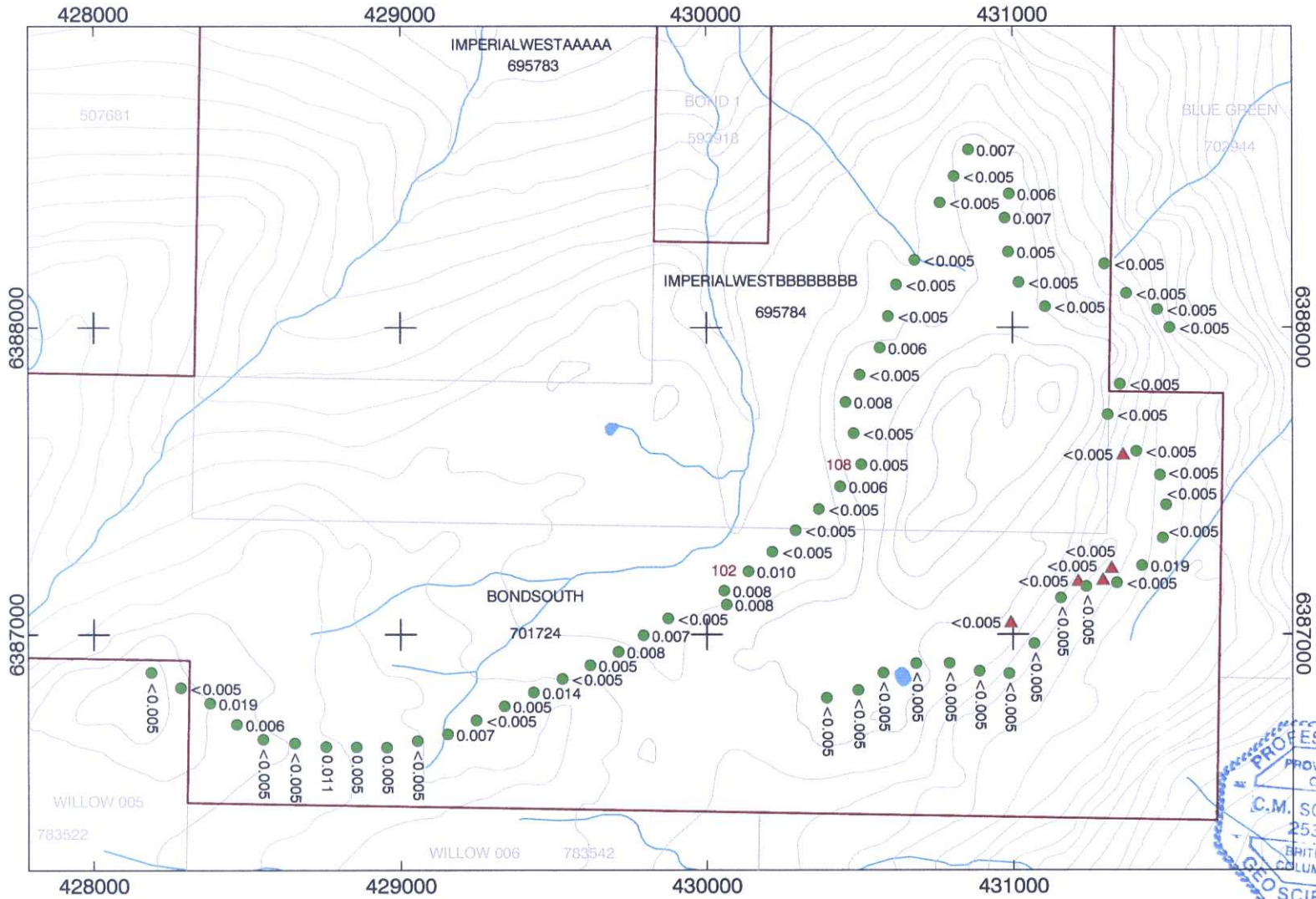
<b>SOLITAIRE MINERALS CORP.</b>	
<b>Geology Map Summit West Block Map 1 - 2010 Program</b>	
NTS: 104G09 Datum: NAD 27 Date: 15 Jan 11	Mining District: Liard Projection: UTM Zone 9 Drawn by: HDS/RS
<i>Stewart Basin Exploration</i>	



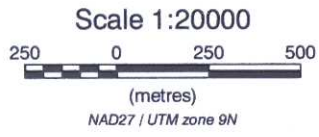
- Legend
- Soil sample 2010
  - ▲ Rock sample 2010



<b>Solitaire Minerals Corp.</b>	
<b>Summit West Block</b>	
<b>Map 2: Sample Location Map</b>	
NTS: 104G09	December 15, 2010
<b>Stewart Basin Exploration</b>	



- Legend
- Soil sample 2010
  - ▲ Rock sample 2010



<b>Solitaire Minerals Corp.</b>	
<b>Summit West Block</b>	
<b>Map 3: Au Geochemical Values - ppm, Cu &gt; 100 ppm</b>	
NTS: 104G09	December 15, 2010
<b>Stewart Basin Exploration</b>	