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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING, HAND TRENCHING, PROSPECTING AND GEOLOGICAL MAPPING

at the

LIAM PROPERTY

Liam 1-42	YD29861-YD29902
Liam 43-60	YD01041-YD01058
Liam 61-76	YE36751-YE36766
Liam 81-104	YE36771-YE36794
Liam 105-170	YF35535-YF35600

NTS 105N/01
Latitude 63°10´N; Longitude 132°22´W

Field work performed from July 10 to 24, 2012

located in the

Mayo Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

NEW DIMENSION RESOURCES LTD.
and
STRATEGIC METALS LTD.

by

A. Mitchell, B.Sc. Geology, GIT
January 2013

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INTRODUCTION

The Liam property lies within the Tombstone Gold Belt in east-central Yukon (Figure 1). It covers strong, multi-element soil geochemical anomalies and several auriferous quartz veins and skarns. The property is owned by Strategic Metals Ltd. and is under option to New Dimension Resources Ltd.

This report describes geochemical sampling, hand trenching, prospecting and geological mapping conducted between July 10 and 24, 2012 by Archer, Cathro and Associates (1981) Limited on behalf of New Dimension. The author participated in and directed this project and his Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

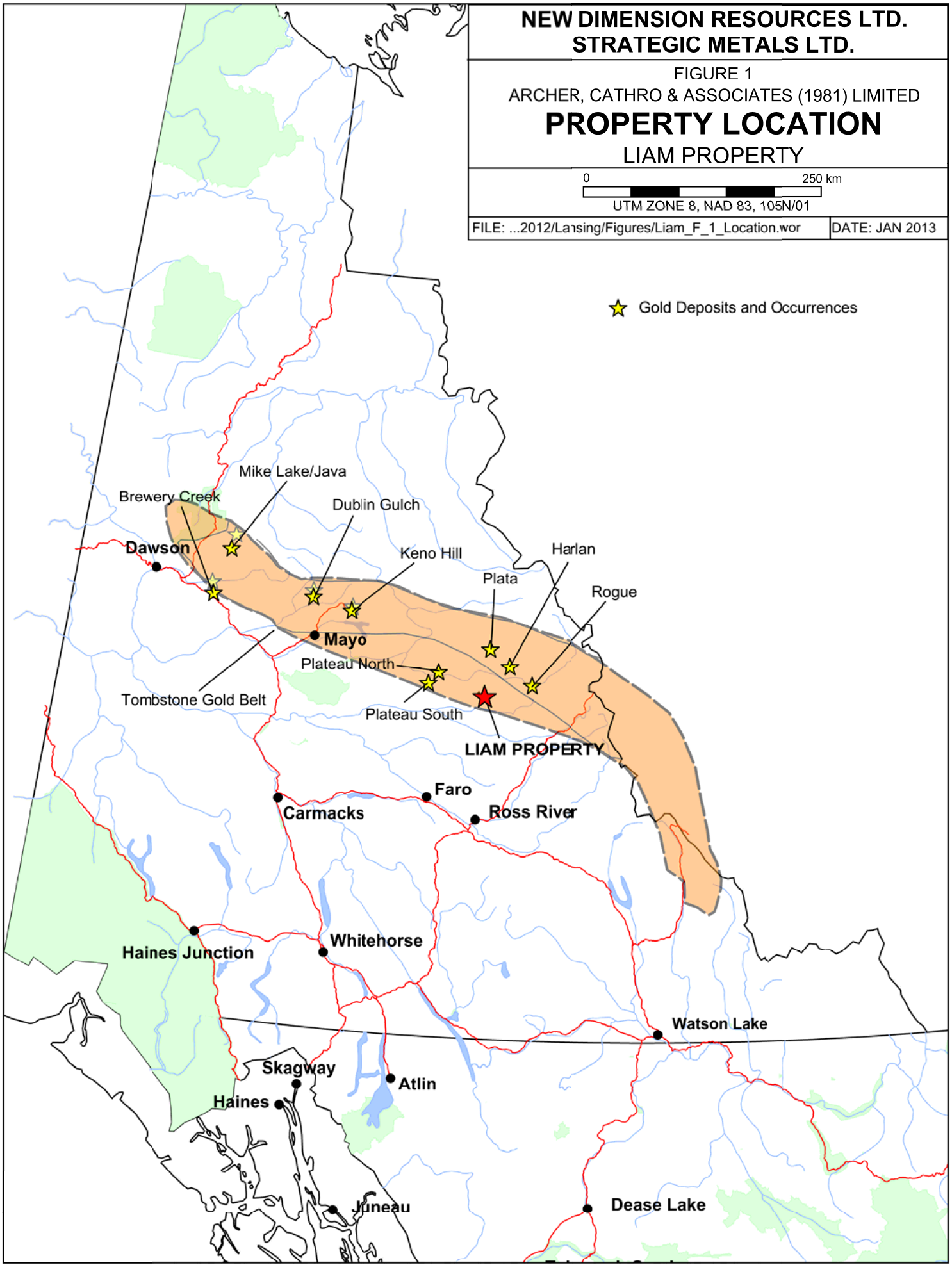
The Liam property is located in east-central Yukon at latitude 63°10′ north and longitude 132°22′ west on NTS map sheet 105N/01 (Figure 1). It comprises 166 contiguous quartz claims that cover an area of about 3300 hectares (33 km^2). All of the claims are registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Liam 1-42	YD29861-YD29902	March 31, 2019
Liam 43-60	YD01041-YD01058	March 31, 2019
Liam 61-76	YE36751-YE36766	March 31, 2017
Liam 81-104	YE36771-YE36794	March 31, 2017
Liam 105-170	YF35535-YF35600	March 31, 2017

* Expiry dates include 2012 work which has been filed for assessment credit but not yet accepted.

The camp was mobilized from Mayo to the Stewart airstrip via fixed-wing aircraft. From there, it was flown to the Lance property by a Bell 206BL4 helicopter and subsequently sent to the Liam property by a Hughes 500D, which was stationed at the Rackla airstrip. The Lance property and Rackla airstrip are located approximately 30 and 120 km northwest of the property, respectively. Demobilization was provided by a Bell 206BL4 and float plane to the Rackla airstrip and Mayo, respectively.

The northern corner the Liam property overlies a southern portion of Fairweather Lake – which can accommodate float planes. The property lies 120 km northeast of Faro, the nearest supply centre. Faro is accessible via the Robert Campbell Highway in all seasons using two-wheel drive vehicles.


NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
LIAM PROPERTY
0
250 km
UTM ZONE 8, NAD 83, 105N/01
FILE: ...2012/Lansing/Figures/Liam_F_1_Location.wor
DATE: JAN 2013
Gold Deposits and Occurrences
Mike Lake/Java
Brewery Creek
Dublin Gulch
Dawson
Keno Hill
Harlan
Plata
Rogue
Mayo
Plateau North
Tombstone Gold Belt
Plateau South
LIAM PROPERTY
Faro
Carmacks
Ross River
Haines Junction
Whitehorse
Watson Lake
Skagway
Atlin
Haines
Juneau
Dease Lake

T.N.
2°27'
23° 55' E
Grid north
Magnetic north
Annual change decreasing 25.6'

630000 mE
632000 mE
634000 mE
636000 mE
638000 mE
640000 mE
7010000 mN
7008000 mN
7006000 mN
7004000 mN

PROPERTY BOUNDARY

Liam 170 YF35600
Liam 169 YF35599
Liam 167 YF35597
Liam 165 YF35595
Liam 168 YF35598
Liam 163 YF35593
Liam 166 YF35596
Liam 161 YF35591
Liam 164 YF35594
Liam 92 YE36782
Liam 162 YF35592
Liam 91 YE36781
Liam 90 YE36780
Liam 92 YE36782
Liam 89 YE36779
Liam 92 YE36782
Liam 91 YE36781
Liam 90 YE36780
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Liam 86 YE36776
Liam 101 YE36791
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Liam 84 YE36774
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Liam 98 YE36788
Liam 83 YE36773
Liam 82 YE36772
Liam 97 YE36787
Liam 96 YE36786
Liam 81 YE36771
Liam 95 YE36785
Liam 94 YE36784
Liam 93 YE36783
Liam 59 YD01057
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Liam 60 YD01058
Liam 55 YD01053
Liam 58 YD01056
Liam 53 YD01051
Liam 56 YD01054
Liam 51 YD01049
Liam 54 YD01052
Liam 76 YE36766
Liam 49 YD01047
Liam 52 YD01050
Liam 75 YE36765
Liam 74 YE36764
Liam 47 YD01045
Liam 50 YD01048
Liam 76 YE36766
Liam 73 YE36763
Liam 72 YE36762
Liam 45 YD01043
Liam 48 YD01046
Liam 75 YE36765
Liam 74 YE36764
Liam 71 YE36761
Liam 70 YE36760
Liam 43 YD01041
Liam 46 YD01044
Liam 13 YD29873
Liam 73 YE36763
Liam 72 YE36762
Liam 69 YE36759
Liam 68 YE36758
Liam 44 YD01042
Liam 11 YD29871
Liam 14 YD29874
Liam 71 YE36761
Liam 70 YE36760
Liam 67 YE36757
Liam 66 YE36756
Liam 9 YD29869
Liam 12 YD29872
Liam 27 YD29887
Liam 69 YE36759
Liam 68 YE36758
Liam 65 YE36755
Liam 64 YE36754
Liam 7 YD29867
Liam 10 YD29870
Liam 25 YD29885
Liam 28 YD29888
Liam 67 YE36757
Liam 66 YE36756
Liam 63 YE36753
Liam 62 YE36752
Liam 5 YD29865
Liam 8 YD29868
Liam 23 YD29883
Liam 26 YD29886
Liam 41 YD29901
Liam 65 YE36755
Liam 64 YE36754
Liam 61 YE36751
Liam 64 YE36754
Liam 3 YD29863
Liam 6 YD29866
Liam 21 YD29881
Liam 24 YD29884
Liam 39 YD29899
Liam 42 YD29902
Liam 63 YE36753
Liam 62 YE36752
Liam 1 YD29861
Liam 4 YD29864
Liam 19 YD29879
Liam 22 YD29882
Liam 37 YD29897
Liam 40 YD29900
Liam 41 YD29901
Liam 63 YE36753
Liam 62 YE36752
Liam 2 YD29862
Liam 17 YD29877
Liam 20 YD29880
Liam 35 YD29895
Liam 38 YD29898
Liam 39 YD29899
Liam 42 YD29902
Liam 61 YE36751
Liam 64 YE36754
Liam 61 YE36751
Liam 15 YD29875
Liam 18 YD29878
Liam 33 YD29893
Liam 36 YD29896
Liam 37 YD29897
Liam 40 YD29900
Liam 63 YE36753
Liam 62 YE36752
Liam 16 YD29876
Liam 31 YD29891
Liam 34 YD29894
Liam 41 YD29901
Liam 61 YE36751
Liam 38 YD29898
Liam 39 YD29899
Liam 42 YD29902
Liam 29 YD29889
Liam 32 YD29892
Liam 37 YD29897
Liam 40 YD29900
Liam 30 YD29890
Liam 38 YD29898

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

LIAM PROPERTY

0 1 2 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_2_Claim_Locations.wor

DATE: JAN 2013

HISTORY AND PREVIOUS WORK

In 1990, the Geological Survey of Canada (GSC) completed a reconnaissance-scale stream sediment and water sampling survey on NTS map sheet 105N (Day *et. al.*, 2009). Samples collected from creeks draining the Liam property returned 99th percentile bismuth and 98th percentile arsenic, mercury and antimony values for that map sheet.

In 1997, Viceroy Exploration (Canada), Inc. staked the Squall 1 to 12 claims, which overlapped with the east-central part of the current Liam property. Viceroy completed preliminary geological mapping and rock and silt sampling (Schulze, 1998). It discovered narrow, gold-bearing, quartz-arsenopyrite veins within extensively hornfelsed clastic sedimentary rocks (Gallagher Showing). The veins yielded values up to 1.8 g/t gold, while the weakly to moderately pyrite- and pyrrhotite-bearing hornfelsed sediments were barren. Stream sediment samples returned strong values for arsenic (up to 274 ppm) and antimony (up to 12 ppm), moderate values for gold (up to 25 ppb) and weak values for silver (up to 0.8 ppm) and copper (up to 84 ppm). Results from this work are further discussed in the Soil Geochemistry Sections. The Squall claims were subsequently allowed to expire.

In 2010, Strategic Metals staked 60 claims to cover the anomalous drainages and historical auriferous quartz veins. These claims encompassed two plutons, located in the northwestern and northern parts of the property, and covered surrounding sedimentary country rocks.

In 2011, geochemical sampling done by New Dimension defined a northwest to southeast oriented, 1200 by 700 m area of coincidently elevated values for gold (up to 81 ppb), arsenic (up to 5990 ppm), tin (up to 49.4 ppm), antimony (up to 523 ppm), bismuth (up to 39.5 ppm), copper (up to 353 ppm), silver, (up to 7.31 ppm), lead (up to 1680 ppm), zinc (up to 900 ppm), tellurium (up to 1 ppm), indium (up to 3.2 ppm), and molybdenum (up to 57.2 ppm). The anomalous area encompasses two showings: the historical Gallagher; and newly discovered Neeson, which hosts vein and skarn style mineralization. The best auriferous quartz vein sample returned 2.12 g/t gold, 174 g/t silver, 0.59% tin, 0.51% copper, 5.84% lead, 2.59% zinc and 4.05% antimony, while the best skarn sample yielded 0.049 g/t gold, 0.59% copper and 16.00 g/t silver (Eaton, 2011). Results from this program are further discussed in the Mineralization and Soil Geochemistry Sections. An additional 106 claims were staked after receiving these encouraging results, extending the claim block mostly to the northwest and east.

GEOMORPHOLOGY AND CLIMATE

The Liam property is situated in the Hess Mountains of the Selwyn Range. It is drained by creeks that flow into Husky Dog Creek and Fairweather Lake, which both ultimately discharge into the Pacific Ocean via the Yukon River.

The property covers a mountain with an extensive arcuate ridge system that is flanked by areas of gentler terrain to the north, east and south. The northern corner of the claim block covers part of Fairweather Lake. Elevations on the property range from about 820 to 1900 m above sea level (asl). Outcrop is locally abundant but is generally restricted to ridge tops, creek cuts and steep slopes. About one-third of the property lies above treeline, which is at approximately 1500 m

asl. Slopes above that elevation are characterized by talus, outcrop and alpine vegetation primarily featuring low grasses and staghorn moss. The density and size of vegetation gradually increases on lower slopes, and the valley floors covered by spruce forests with an understorey of low shrubs and moss.

Much of the overburden in the region is associated with the most recent Cordilleran ice sheet, the McConnell glaciation, which is believed to have covered south and central Yukon between 26,500 and 10,000 years ago (Yukon Geological Survey, 2010). In this area, the ice sheet generally moved in a northwesterly direction.

The climate in the Liam property area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. The property is mostly snow free from late May to late September.

REGIONAL GEOLOGY

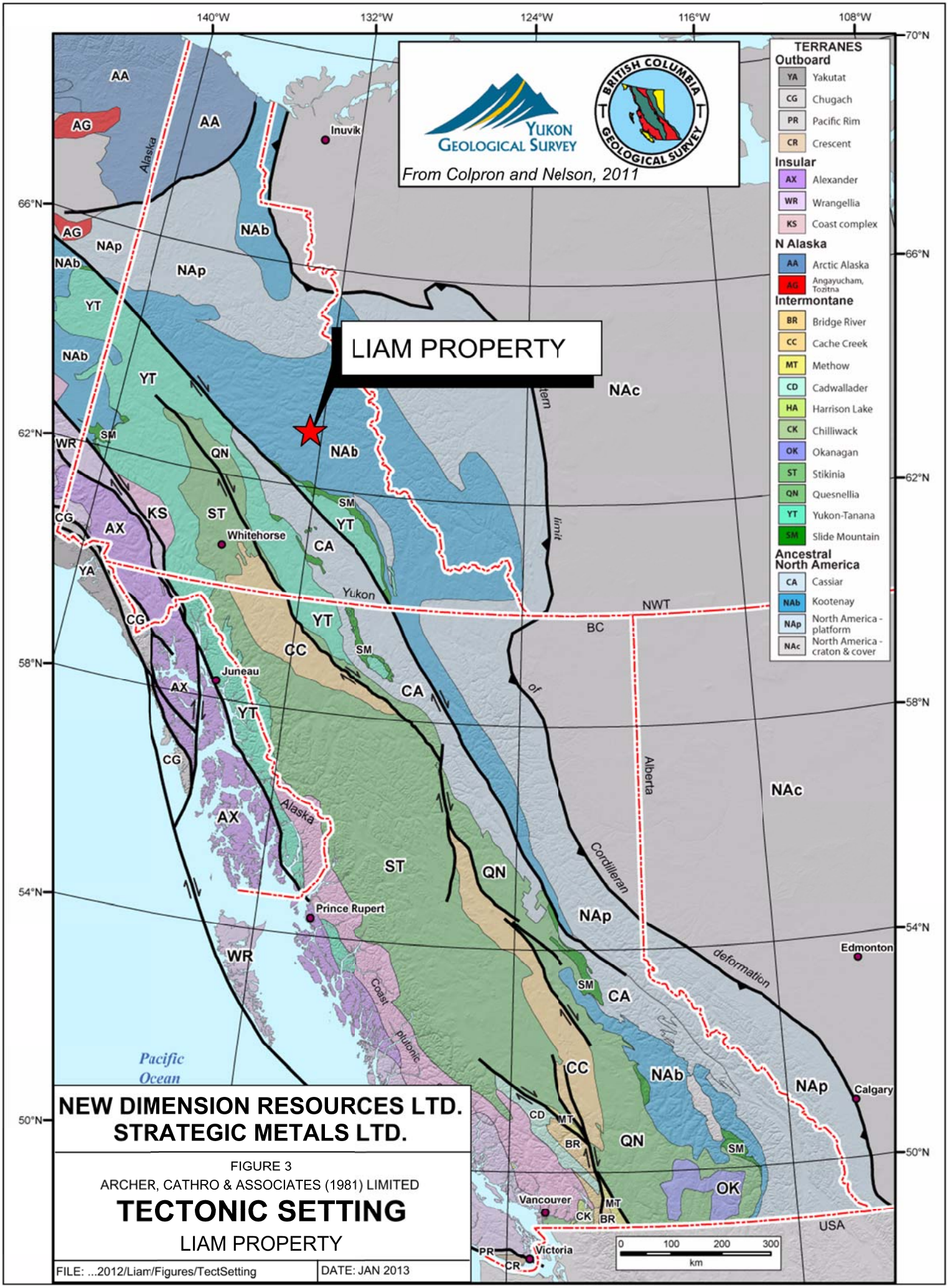
In 1995 and 2003, the GSC and Yukon Geological Survey (YGS) published geological maps of the Lansing Range map sheet (NTS 105N) at 1:125,000 and 1:250,000 scales, respectively (Roots *et.al.*, 1995 and Roots, 2003). In 2003, Gordey and Makepeace incorporated this data as part of a Yukon-wide geological compilation. The following geological descriptions are based on the published data.

The Liam property is located within northern Selwyn Basin (Figure 3), a predominantly off-shelf meta-sedimentary and meta-volcanic sequence that formed on the western margin of the North American craton from Upper Proterozoic to Lower Paleozoic times.

The geology of the Lansing Range map sheet includes eight sedimentary units and one intrusive unit (Figure 4). The basal sequence of Hyland Group, Gull Lake Formation and Road River Group represents clastic fill and deep water chemical precipitate of Upper Proterozoic and Lower Paleozoic age. The Mid-Paleozoic Earn Group conformably and locally unconformably overlies the basal sequence and dominantly consists of black shale and marine conglomerate (Roots, 2003). The younger strata have more limited extent and comprise Mississippian to Triassic sedimentary successions (Keno Hill Quartzite, Mount Christie Group and Jones Lake Formation). Numerous Mid-Cretaceous Selwyn Suite igneous bodies cut the sedimentary package throughout the region. A large area at the centre of the map sheet is covered by Quaternary unconsolidated glacial, glaciofluvial and glaciolacustrine deposits. The units are described in Table I.

Table I – Lithological Units (*after Gordey and Makepeace, 2003*)

Unit Name	Map Name	Age	Description
Q	Quaternary	Quaternary	Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits.



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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

LIAM PROPERTY

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mKgS	Selwyn Suite	Mid-Cretaceous	Mainly hornblende and hornblende/biotite syenite, commonly porphyritic (potassium feldspar phenocrysts), uneven textured, mostly medium grained, locally fine or coarse grained; minor diorite; hornblende syenite.
TrJ	Jones Lake Formation	Triassic	Brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive, light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone.
CPMC	Mount Christie Formation	Carboniferous to Permian	Burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules.
MK	Keno Hill Quartzite	Mississippian	Massive to thick bedded quartzarenite; thin to medium bedded quartzarenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated.
MT2	Tay Formation	Mississippian	Grey and buff weathering, generally thick bedded to massive, dark grey to black fetid limestone; fine crystalline to cryptocrystalline; commonly bioclastic.
DME	Earn Group	Devonian and Mississippian	Thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone.
ODR1	Road River Group	Ordovician to Lower Devonian	Black, gun-blue, or silvery white weathering black graptolitic shale and black chert; resistant grey weathering, thin to medium bedded, light grey to black, greenish grey or turquoise chert; minor argillaceous limestone.
lCG1	Gull Lake Formation	Lower Cambrian	Shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to

			quartz-muscovite-biotite schist (+/-garnet +/-sillimanite +/-staurolite +/-andalusite).
PCH (undifferentiated)	Hyland Group	Upper Proterozoic to Lower Cambrian	Consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3).
PCH1			Thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble.
PCH2			Grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble.
PCH3			Distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate.
PCH4			Quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units

Structure on the Lansing Range map sheet dominantly follows a northwesterly trend. Significant thrust, strike-slip and extensional faults are present throughout the map sheet. The most important thrust faults are the Dawson Thrust to the northeast and the Roberts Service Thrust to the southwest. The Liam property lies between two large-scale northwest trending, high-angle faults (informally named the Lansing and Fairweather faults for the purposes of this report). The Lansing Fault is located 16 km northeast of the property, while the Fairweather Fault lies 11 km to the southwest. A southwest-dipping thrust fault is situated three kilometres northeast of the property, while a smaller-scale southwest-dipping thrust fault is mapped in the southwest part of the claim block. All of the major faults pre-date Mid-Cretaceous plutonism, as evidenced by cross-cutting relationships and several plugs that are emplaced along, but not offset by the Fairweather Fault. Bedding is variable throughout the map sheet, but generally trends northwesterly, and dips moderately to the southwest.

PROPERTY GEOLOGY

In 1997, Viceroy Exploration (Schulze, 1998) completed limited geological mapping in the vicinity of the Gallagher Showing and in 2011 and 2012 New Dimension conducted detailed geological mapping within the south-central part of the property. The following geological descriptions are based on the GSC's regional data and observations made by Viceroy Exploration and New Dimension.

Government mapping in the area illustrates that the western part of Liam property is dominantly underlain by a basement of undifferentiated Hyland Group, except for a sliver of a limey sedimentary rocks (PCH2). Hyland Group is conformably overlain by Gull Lake Formation to the east, which pinches out to the north. These units are also juxtaposed against one another along a northwest-trending thrust fault that crosses the southern part of the property. Gull Lake Formation is unconformably overlain by undifferentiated Earn Group further to the east, while a relatively small area of Carboniferous to Permian Mount Christie Formation caps Earn Group near the eastern claim boundary. Hyland Group, Gull Lake Formation and Earn Group in the central and western parts of the property are cut by three small Selwyn Suite biotite quartz monzonite intrusive bodies. Selwyn Suite intrusions have little or no aeromagnetic expression due to their reduced nature, but they are often flanked by magnetic highs that mark hornfels zones in the surrounding sediments (Roots, 2003 and Lefebure and Hart, 2005). A regional aeromagnetic map compiled by the YGS shows a strong, positive magnetic anomaly in the centre of the property (Yukon Geological Survey, 2011). This anomaly likely represents the hornfelsed country rocks that lie above and adjacent to the intrusions.

Detailed mapping in the southern part of the property identified four primary Earn Group lithologies – chert arenite, chert pebble conglomerate, slate and quartzite (Figures 5 and 6). Chert arenite is the most abundant and widespread of the four sub-units. It is dark grey to purple, fine to medium grained and dark grey to rusty weathering with minor local and sporadic thin calcarenite horizons. The chert arenite layers are commonly found interbedded with dark grey to rusty weathering slate and lesser chert pebble conglomerate. Slate layers are usually less than 10 cm thick. A light grey pyritiferous quartzite horizon (up to 180 m thick) is flanked to the north and south by two chert arenite horizons in the north-central part of the map area. A sliver of rusty to black weathering, thinly bedded and pyritiferous slate is sandwiched between the quartzite and southern chert arenite units within the west part of the map. Two patchy rusty weathering, light green skarn horizons up to 8 m thick are interbedded within the quartzite unit, but they could not be traced along strike due to vegetation cover.

Several diorite to granodiorite dykes cut sedimentary rocks. These dykes range from 10 to 60 m thick and have been traced up to 200 m along strike. They locally host fine grained disseminated pyrite and/or arsenopyrite.

The most southwesterly of the three intrusive plugs shown on government's regional map was located and its position confirmed (Figures 4 and 6). Outcrops on the ridge extending easterly-northeasterly away from the plug dominantly comprise slate with occasional interbeds of quartzite up to 50 m thick. Bedrock exposures southeast of that plug consist of mostly quartzite with some interbedded slate horizons up to 10 m thick.

The two plugs located near the centre of the property caused extensive hornfelsing of Earn Group, which is marked by rusty weathering related to weak pyritization of the metasedimentary rocks. Calc-silicate alteration is present within narrow bands of calcareous sediments adjacent to these plugs

Sediment units in the area are moderately to strongly folded by regional-scale and parasitic structures. Orientations of bedding are variable, but typically strike southeasterly and dip

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

632 000 mE

632 500 mE

633 000 mE

7 007 000 mN

7 006 500 mN

LIMIT OF MAPPING

1:820

1:560

1:440

Intrusive: Diorite to granodiorite

Dyke: Dyke: Diorite to granodiorite

Slate: Light grey to black, well bedded and rusty weathering slate with or without fine grained disseminated pyrite

Quartzite: Light grey to white, well bedded and variably pyritiferous quartzite

Defined contact

Inferred contact

Bedding

Fracture

Quartz Vein

Cleavage

Fold

Outcrop

Subcrop

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

WEST AREA

LIAM PROPERTY

0 100 m

UTM ZONE 8, NAD 83, 105N/06 & 07

FILE: ...2012/Lansing/Figures/Liam_F_6_Geology_West_Area.wor | DATE: JAN 2013

moderately to the northeast or southwest. Fractures primarily strike northeasterly and dip steeply to the northwest or southeast.

MINERALIZATION

In 2012, New Dimension conducted detailed prospecting in conjunction with soil sampling, hand trenching and geological mapping over a 1.8 by 1.2 km area, which encompasses both the Gallagher and Neeson Showings. Prospecting and soil geochemical results delineate three southeast-trending linear zones (South Trend, Central Trend and North Trend) that are precious metal bearing (Figure 7). Mineral showings have been identified in the North and Central Trends.

A total of 26 rock samples were collected during the 2012 program, and their locations are plotted on Figure 7. Results from these and previously collected samples are plotted for gold, arsenic, tin, antimony, bismuth, copper, silver, lead, zinc, tellurium, indium and molybdenum on Figures 8 to 19, respectively (no historical values are available for tin, tellurium, indium or molybdenum). Rock Sample Descriptions appear in Appendix II and Certificates of Analysis are given in Appendix III.

The rock samples were sent to ALS Minerals in Whitehorse, Yukon where they were dried, fine crushed to better than 70% passing 2 mm before a 250 g split was pulverized to better than 85% passing 75 microns. The pulverized splits then sent to ALS Minerals in North Vancouver, B.C. where they were analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis (Au-ICP21) and for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41).

North Trend encompasses the Gallagher Showing, which was re-located, but not re-sampled in 2012 (Figure 7). Three rock samples were taken from this trend in 2012, but all returned subdued values for all elements of interest.

Central Trend hosts the Neeson Showing, two newly discovered arsenopyrite-rich veins and a mineralized skarn horizon. The mineral showings are within the east-central part of the trend and cover a 350 x 200 m area. The Neeson Showing was not re-sampled in 2012.

A seven cm wide fragment of strongly scordite stained and arsenopyrite-rich quartz vein float was discovered 150 m east-northeast of the Neeson Showing. It was found within talus that consists of light grey quartzite with about 1% quartz fragments. The specimen (I079677) returned 3.2 g/t gold, 30.2% arsenic, 37.6 ppm tin, 1270 ppm antimony, 63.1 ppm bismuth, 0.02% copper, 18.6 g/t silver, 0.18% lead, 0.29% zinc, 3.95 ppm tellurium and 2.66 ppm indium. The source of auriferous quartz vein float was not determined.

A rusty weathering quartz vein hosting weak to semi-massive arsenopyrite outcrops 270 m southeast of the Neeson Showing. This quartz vein cuts interbedded chert arenite and slate, strikes 028 degrees and dips 66 degrees to the northwest. It is 10 to 15 cm wide and is exposed over a 10 m strike length. A sample (I079673) yielded 2.13 g/t gold, 8.03% arsenic,

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

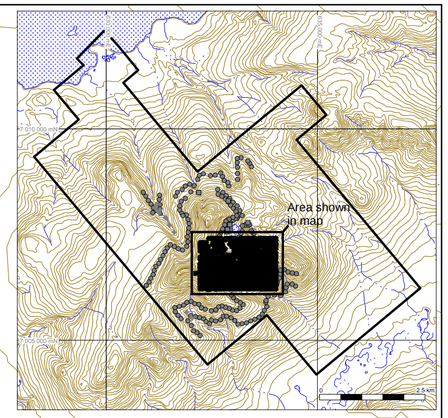
Annual change decreasing 25.6'

633000 mE

634000 mE

7007000 mN

7006000 mN



1:580

1:720

1:220

2012 Soil Samples
2012 Rock Samples
2011 Soil Samples
2011 Rock Samples
2011 Silt Samples
TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATIONS

LIAM PROPERTY

0 100 250 m

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_7_Sample_Locations.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

GALLAGHER SHOWING

0.574 g/t

1.1 g/t

1.8 g/t

NORTH TREND

NEESON SHOWING

3.2 g/t

2.13 g/t

SOUTH TREND

0.298 & 0.204 g/t

CENTRAL TREND

2.12, 1.365, 0.61 g/t

1,820

1,580

1,500

634000 mE

633000 mE

632000 mE

Liam Soil Au (ppb)

- ≥100 ≤574
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥5 <10
- 0 <5

Liam Rock Au (g/t)

- ≥1 ≤3.2
- ≥0.5 <1
- ≥0.2 <0.5
- ≥01 <0.2
- ≥0.05 <0.1
- 0 <0.05

Liam Silt Au (ppb)

- ≥20 ≤25
- ≥10 <20
- ≥5 <10
- 0 <5

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

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STRATEGIC METLALS LTD.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_8_Au_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

1,820

1,580

1,500

7008000 mN

7007000 mN

7006000 mN

7005000 mN

632000 mE

633000 mE

634000 mE

Liam Soil As (ppm)

- ≥1000
- ≥500 <1,000
- ≥200 <500
- ≥100 <200
- ≥50 <100
- 0 <50

Liam Rock As (ppm)

- ≥5,000
- ≥2,000 <5,000
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- 0 <200

Liam Silt As (ppm)

- ≥500 ≤921
- ≥200 <500
- ≥100 <200
- ≥50 <100
- 0 <50

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC GEOCHEMISTRY

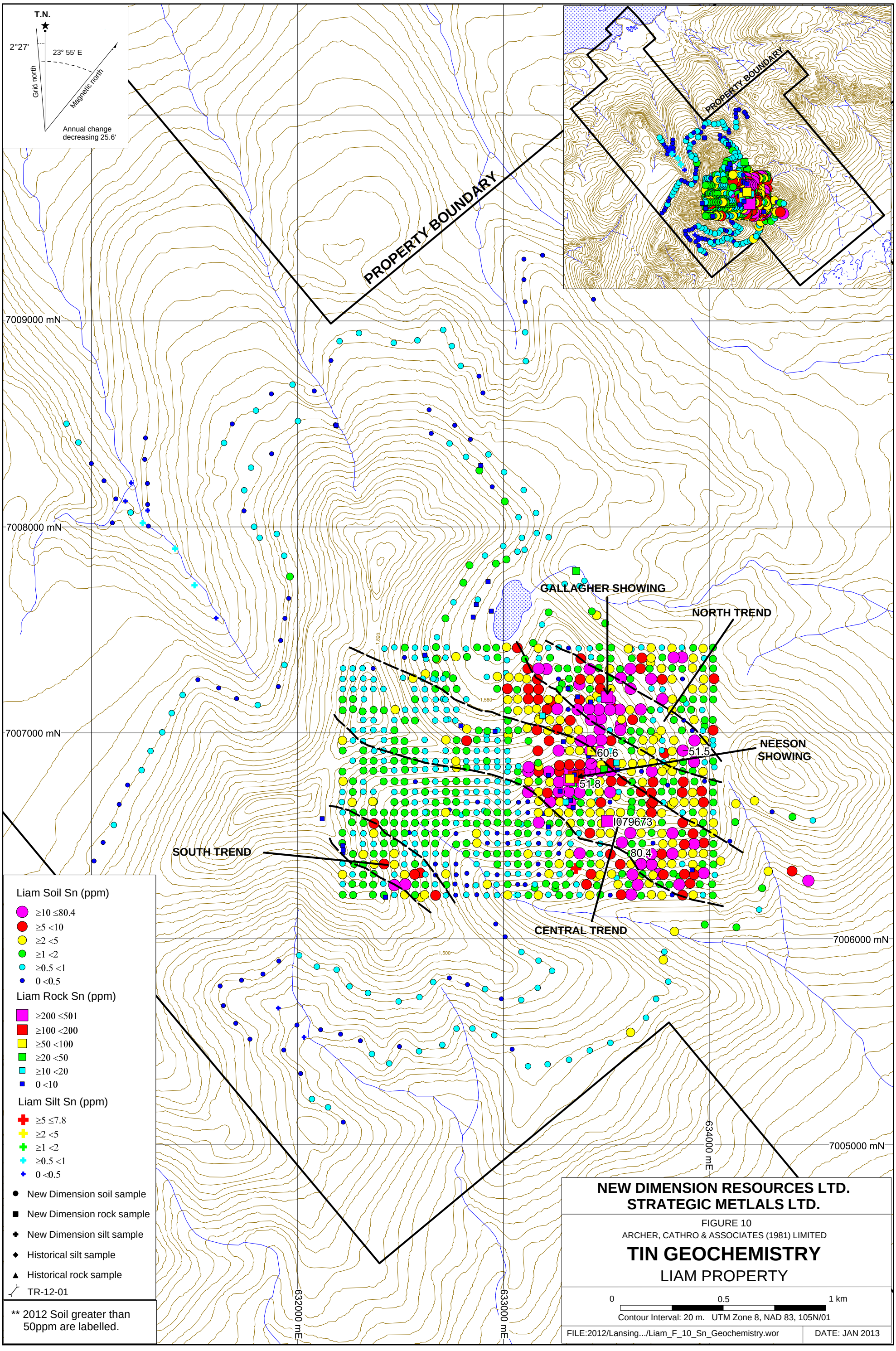
LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_9_As_Geochemistry.wor

DATE: JAN 2013


T.N.
2°27'
23° 55' E
Grid north
Magnetic north
Annual change
decreasing 25.6'
PROPERTY BOUNDARY
PROPERTY BOUNDARY
7009000 mN
7008000 mN
7007000 mN
7006000 mN
7005000 mN
632000 mE
633000 mE
634000 mE
GALLAGHER SHOWING
NORTH TREND
NEESON SHOWING
SOUTH TREND
CENTRAL TREND
60.6
51.5
51.8
079673
80.4
1,820
1,580
1,500
Liam Soil Sn (ppm)
≥10 ≤80.4
≥5 <10
≥2 <5
≥1 <2
≥0.5 <1
0 <0.5
Liam Rock Sn (ppm)
≥200 ≤501
≥100 <200
≥50 <100
≥20 <50
≥10 <20
0 <10
Liam Silt Sn (ppm)
≥5 ≤7.8
≥2 <5
≥1 <2
≥0.5 <1
0 <0.5
New Dimension soil sample
New Dimension rock sample
New Dimension silt sample
Historical silt sample
Historical rock sample
TR-12-01
** 2012 Soil greater than 50ppm are labelled.
NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TIN GEOCHEMISTRY
LIAM PROPERTY
0
0.5
1 km
Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01
FILE:2012/Lansing.../Liam_F_10_Sn_Geochemistry.wor
DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

1,820

1,580

1,500

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

2,390

178.5

347

124

246

694

674

1,270

10,001

1,570

1,035

993

Liam Soil Sb (ppm)

- ≥50 ≤1,570
- ≥20 <50
- ≥10 <20
- ≥5 <10
- ≥2 <5
- 0 <2

Liam Rock Sb (ppm)

- ≥200 ≤10,001
- ≥100 <200
- ≥50 <100
- ≥20 <50
- ≥10 <20
- 0 <10

Liam Silt Sb (ppm)

- ≥10 ≤45
- ≥5 <10
- ≥2 <5
- ≥1 <2
- 0 <1

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

** 2012 Soil greater than 500ppm are labelled.

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANTIMONY GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_11_Sb_Geochemistry.wor

DATE: JAN 2013

T.N.
2°27'
23° 55' E
Grid north
Magnetic north
Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

1,820

1,580

1,500

63.9

138.5

79.9

62

66.1

634000 mE

632000 mE

633000 mE

Liam Soil Bi (ppm)
- ≥50 ≤79.9
- ≥20 <50
- ≥10 <20
- ≥5 <10
- ≥2 <5
- 0 <2

Liam Rock Bi (ppm)
- ≥100 ≤138.5
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥5 <10
- 0 <5

Liam Silt Bi (ppm)
- ≥10 ≤11.5
- ≥5 <10
- ≥2 <5
- ≥1 <2
- 0 <1

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BISMUTH GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_12_Bi_Geochemistry.wor | DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

1,820

1,580

1,500

635

10,001

609

704

515

597

847

Liam Soil Cu (ppm)

- ≥500 ≤847
- ≥200 <500
- ≥100 <200
- ≥50 <100
- ≥20 <50
- 0 <20

Liam Rock Cu (ppm)

- ≥2,000 ≤10,001
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- ≥100<200
- 0 <100

Liam Silt Cu (ppm)

- ≥200 ≤545
- ≥100 <200
- ≥50 <100
- ≥20 <50
- 0 <20

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_13_Cu_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

1,820

1,580

1,500

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

42.2

24

19.25

Liam Soil Ag (ppm)

- ≥10 ≤42.2
- ≥5 <10
- ≥2 <5
- ≥1 <2
- ≥0.5 <1
- 0 <0.5

Liam Rock Ag (ppm)

- ≥20 ≤46.9
- ≥10 <20
- ≥5 <10
- ≥2 <5
- 0 <2

Liam Silt Ag (ppm)

- ≥2 ≤2.04
- ≥1 <2
- ≥0.5 <1
- ≥0.2 <0.5
- 0 <0.2

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_14_Ag_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

1,820

1,580

1,500

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

Liam Soil Pb (ppm)

- ≥1,000 ≤6,250
- ≥500 <1,000
- ≥200 <500
- ≥100 <200
- ≥50 <100
- 0 <50

Liam Rock Pb (ppm)

- ≥5,000 <10,001
- ≥2,000 <5,000
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- 0 <200

Liam Silt Pb (ppm)

- ≥100 ≤154
- ≥50 <100
- ≥20 <50
- 0 <20

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_15_Pb_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

2,320

1,820

1,580

1,500

632000 mE

633000 mE

634000 mE

Liam Zn (ppm)

- ≥2,000 ≤2,320
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- ≥100 <200
- 0 <100

Liam Rock Zn (ppm)

- ≥2,000 ≤2,880
- ≥1,000 <2,000
- ≥500 <1,000
- ≥200 <500
- 0 <200

Liam Silt Zn (ppm)

- ≥500 ≤6,460
- ≥200 <500
- ≥100 <200
- ≥50 <100
- 0 <50

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_16_Zn_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

1.820

1,580

1,500

1.03

1.11

1.13

1.44

1.16

2.15

1.52

13.75

13.7

1.08

1.14

Liam Soil Te (ppm)

- ≥1 ≤2.15
- ≥0.5 <1
- ≥0.2 <0.5
- ≥0.1 <0.2
- ≥0.05 <0.1
- 0 <0.05

Liam Rock Te (ppm)

- ≥10 ≤13.75
- ≥5 <10
- ≥2 <5
- ≥1 <2
- ≥0.5 <1
- 0 <0.5

Liam Silt Te (ppm)

- ≥0.2 ≤0.38
- ≥0.1 <0.2
- ≥0.05 <0.1
- 0 <0.05

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 17

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TELLURIUM GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_17_Te_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

1,820

1,580

1,500

1.325

1.095

1.075

3.72

1.175

632000 mE

633000 mE

634000 mE

Liam Soil In (ppm)

- ≥1 ≤3.72
- ≥0.5 <1
- ≥0.2 <0.5
- ≥0.1 <0.2
- ≥0.05 <0.1
- 0 <0.05

Liam Rock In (ppm)

- ≥5 ≤5.48
- ≥2 <5
- ≥1 <2
- ≥0.5 <1
- 0 <0.5

Liam Silt In (ppm)

- ≥0.05 ≤0.091
- 0 <0.05

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

INDIUM GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_18_In_Geochemistry.wor

DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

PROPERTY BOUNDARY

PROPERTY BOUNDARY

7009000 mN

7008000 mN

7007000 mN

7006000 mN

632000 mE

633000 mE

634000 mE

1,820

1,580

1,500

GALLAGHER SHOWING

NORTH TREND

NEESON SHOWING

SOUTH TREND

CENTRAL TREND

112

149.5

104.5

151

107

119

166

101

113

20.5

115

113.5

104

107.5

122.5

119.5

Liam Soil Mo (ppm)

- ≥50 ≤166
- ≥20 <50
- ≥10 <20
- ≥5 <10
- ≥2 <5
- 0 <2

Liam Rock Mo (ppm)

- ≥100 ≤123.5
- ≥50 <100
- ≥20 <50
- ≥10 <20
- 0 <10

Liam 2011 Silt Mo (ppm)

- ≥20 ≤27.7
- ≥10 <20
- ≥5 <10
- ≥2 <5
- 0 <2

- New Dimension soil sample
- New Dimension rock sample
- New Dimension silt sample
- Historical silt sample
- Historical rock sample
- TR-12-01

** 2012 Soil greater than 100 are labelled.

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MOLYBDENUM GEOCHEMISTRY

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_19_Mo_Geochemistry.wor

DATE: JAN 2013

229 ppm tin, 10000 ppm antimony, 92.9 ppm bismuth, 0.02% copper, 29.6 g/t silver, 3.56% lead, 0.11% zinc and 5.48 ppm indium. The vein could not be traced due to thick vegetation cover.

A 6.64 m long hand trench was dug across a steep south-facing slope, about 150 m northeast of the Neeson Showing (Figure 7). The trench exposed a 20 to 30 cm thick skarn horizon sandwiched between light grey and weakly pyritiferous quartzite beds. The skarn horizon strikes 111 degrees and dips 60 degrees to the northeast. A continuous chip sample across the mineralized skarn horizon yielded 0.412 g/t gold, 24.9% arsenic and 347 ppm antimony over 20 cm (Figure 20). Chip samples of adjacent country rock returned 0.068 g/t gold, 1190 ppm arsenic, 2390 ppm antimony, 16.4 g/t silver and 0.4% lead over 0.42 m (hanging wall) and 0.013 g/t gold and 1930 ppm arsenic over 0.86 m (footwall).

The North and Central Trends yielded strongly anomalous values for all of the elements commonly associated with reduced intrusion-related showings elsewhere in Yukon, with the notable exception of tungsten. Samples taken from skarn horizons are generally lower grade than those from sulphide-bearing veins, but the skarns are much thicker than the vein and, therefore, have greater size potential. Vein results from 2012 are slightly better than vein results from 2011, while 2012 skarn samples have significantly higher gold grades compared to 2011 skarn samples.

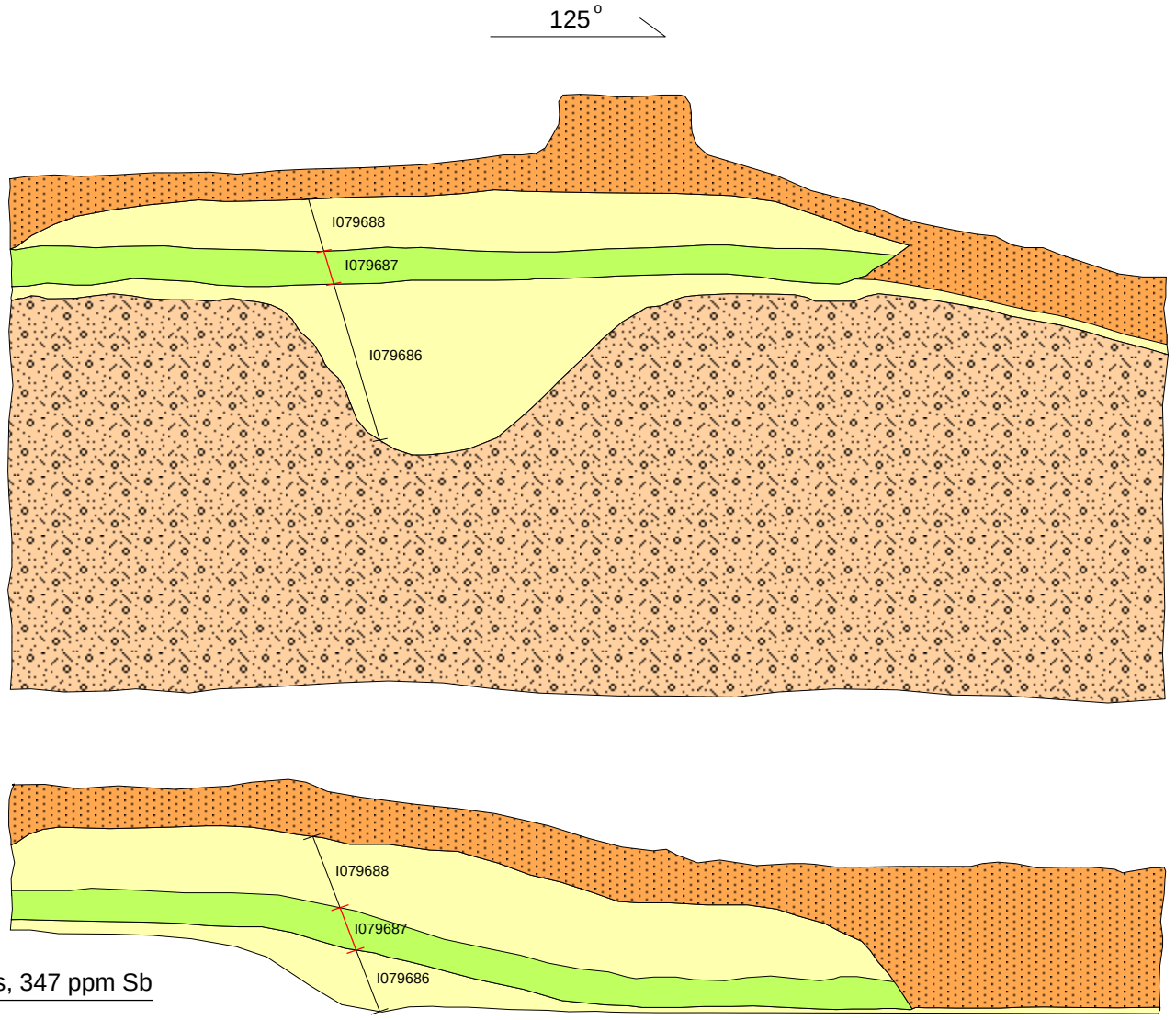
No mineralization has been discovered within the South Trend and no rock samples have been taken from it.

SOIL GEOCHEMISTRY

In 1997, Viceroy Exploration collected five stream sediment samples. In 2011 New Dimension took an additional 11 stream sediment samples and it collected a total of 235 contour soil samples around the periphery of the two central intrusive plugs. In 2012, New Dimension collected a total of 788 soil samples from a grid that covered the Gallagher and Neeson Showings and the margins of the two central intrusive plugs. Sample locations are plotted on Figure 7, while results for gold, arsenic, tin, antimony, bismuth, copper, silver, lead, zinc, tellurium, indium and molybdenum are plotted on Figures 8 to 19, respectively (no historical values are available for tin, tellurium, indium or molybdenum). Certificates of Analysis are provided in Appendix III. Anomalous thresholds and peak values for soil samples are listed in Table II.

Table II - Geochemical Data for Soil Samples

Element	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Gold (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	574
Arsenic (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	23,000
Tin (ppm)	≥ 1 < 2	≥ 2 < 5	≥ 5< 10	≥ 10	80.4
Antimony (ppm)	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	1,570
Bismuth (ppm)	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	79.9
Copper (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 < 500	≥ 500	847
Silver (ppm)	≥ 1 < 2	≥ 2 < 5	≥ 5< 10	≥ 10	42.2



0.412 g/t Au, 24.9% As, 347 ppm Sb
20 cm

- Soil/Overburden
- Overburden/Talus
- Skarn
- Quartzite

NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.

FIGURE 20
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR-12-01

LIAM PROPERTY

0 1 2 m

Contour Interval: 100 ft. UTM Zone 8, NAD 83, 105N/06 & 07

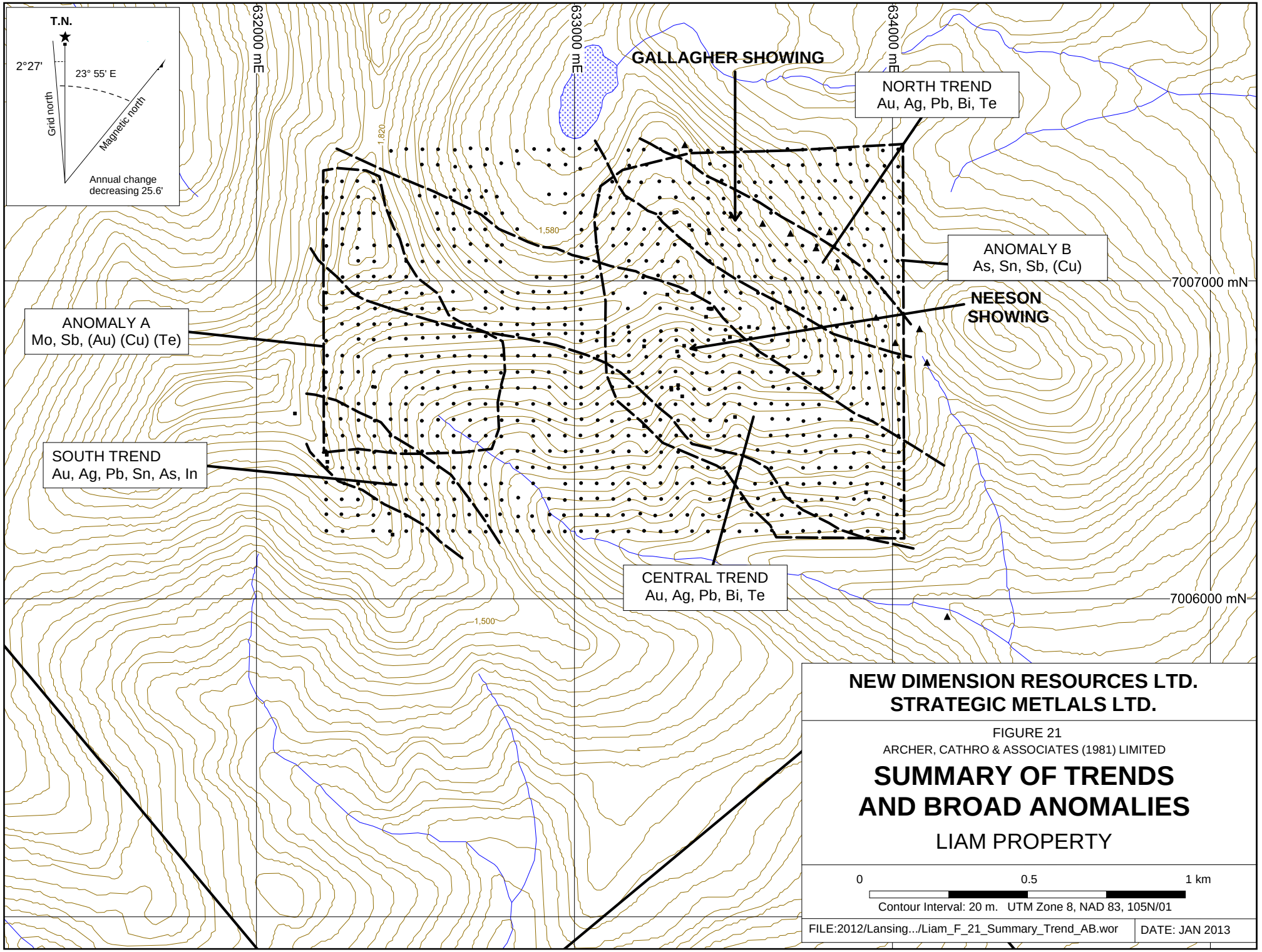
FILE:2012/Lansing.../Liam_TR-12-01.wor | DATE: JAN 2013

Lead (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	6,250
Zinc (ppm)	≥ 200 < 500	≥ 500 < 1000	≥ 1000 < 2000	≥ 2000	2,320
Tellurium (ppm)	≥ 0.1 < 0.2	≥ 0.2 < 0.5	≥ 0.5 < 1	≥ 1	2.15
Indium (ppm)	≥ 0.1 < 0.2	≥ 0.2 < 0.5	≥ 0.5 < 1	≥ 1	3.72
Molybdenum (ppm)	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	166

Three southeast oriented trends were identified on the soil grid. These trends (North, Central and South) are defined by enriched precious metals with associated pathfinder elements. Two large, very strong multi-element geochemical anomalies (Anomaly A and B) are located within the western and eastern parts of the soil grid. Anomalies A and B partially overlap with the three trends, as shown of Figure 21. Relative strength and peak values for the soil geochemical trends are listed in Table III.

Table III – Relative Strength and Peak Values for Soil Geochemical Targets

	North Trend	
Element	**Relative Strength**	**Peak Value**
Gold (ppb)	Moderate	114
Arsenic (ppm)	Moderate to Strong	4,910
Tin (ppm)	Moderate to Strong	51.5
Antimony (ppm)	Moderate to Strong	398
Bismuth (ppm)	Weak to Moderate	39.8
Copper (ppm)	Moderate	271
Silver (ppm)	Weak to Moderate	4.3
Lead (ppm)	Weak to Moderate	972
Zinc (ppm)	Weak	2,320
Tellurium (ppm)	Weak to Moderate	0.91
Indium (ppm)	Weak	0.314
Molybdenum (ppm)	Weak to Moderate	45.7
	Central Trend	
Element	**Relative Strength**	**Peak Value**
Gold (ppb)	Moderate to strong	574
Arsenic (ppm)	Moderate	23,000
Tin (ppm)	Moderate	80.4
Antimony (ppm)	Moderate	1,570
Bismuth (ppm)	Moderate	79.9
Copper (ppm)	Moderate to Strong	847
Silver (ppm)	Weak to Moderate	19.25
Lead (ppm)	Weak to Moderate	2,570
Zinc (ppm)	Weak	1,300
Tellurium (ppm)	Moderate to Strong	2.15
Indium (ppm)	Weak	1.175
Molybdenum (ppm)	Moderate to Strong	166



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FIGURE 21

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SUMMARY OF TRENDS AND BROAD ANOMALIES

LIAM PROPERTY

0 0.5 1 km

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_21_Summary_Trend_AB.wor

DATE: JAN 2013

Element	South Trend	
	Relative Strength	**Peak Value**
Gold (ppb)	Weak to Moderate	189
Arsenic (ppm)	Weak to Moderate	1,540
Tin (ppm)	Weak to Moderate	21.9
Antimony (ppm)	Strong	1,035
Bismuth (ppm)	Weak	19.25
Copper (ppm)	Weak	286
Silver (ppm)	Moderate	42.2
Lead (ppm)	Moderate to Strong	6,080
Zinc (ppm)	Weak	1,810
Tellurium (ppm)	Weak to Moderate	0.79
Indium (ppm)	Moderate to Strong	3.72
Molybdenum (ppm)	Moderate	88.1

The soil grid is underlain by Earn Group, except for Gull Lake Formation in the southwest corner. Bedding and fold hinge axis are oriented sub-parallel to the precious metal enriched trends. The surface trace of the thrust fault located immediately southwest of the soil grid also follows the southeasterly orientation of the trends. The intrusive dykes and exposed veins are aligned nearly perpendicular to the strike of the trends. Thus, it appears that the precious metal trends are primarily controlled by structural and stratigraphic features.

The Central Trend features the most continuous gold response and hosts the highest gold-in-soil value (0.574 g/t) on the property. The best silver- and lead-in-soil values are coincident and lie within the South Trend, while the North Trend hosts the strongest zinc result.

Anomalies A and B are distinguished from the precious metal trends by more circular shape, the presence or absence of precious metals and their consistently high values for various metals.

High molybdenum and antimony results in Anomaly A are localized near a plug in the western part of the soil sample grid. Anomaly B hosts elevated arsenic, tin and antimony and encompasses the Gallagher and Neeson Showings. The elements within each of these anomalies are also found within precious metal trends, but they extend beyond the trends. High copper responses are located in the southeasterly part of the soil grid, many of which lie in the Central Trend.

EXPLORATION MODEL

The Liam property lies along the southern margin of the Tombstone Gold Belt (TGB), a 600 km long district of gold occurrences and deposits that extends across central Yukon and Alaska and which is associated with reduced, low magnetic signature plutons (Hart and Lewis, 2006 and Hart, 2006).

Since the discovery of the intrusion-related Fort Knox gold deposit in Alaska in the early 1990s, gold exploration in Yukon (particularly within the TGB) has increasingly focussed on plutons of

Mid-Cretaceous age (Hart and Lewis, 2006). The strong association between gold mineralization and Mid-Cretaceous intrusions within the TGB has provided the foundation for a reduced intrusion-related gold systems (RIRGS) model that has gained widespread use and acceptance (Hart and Lewis, 2006).

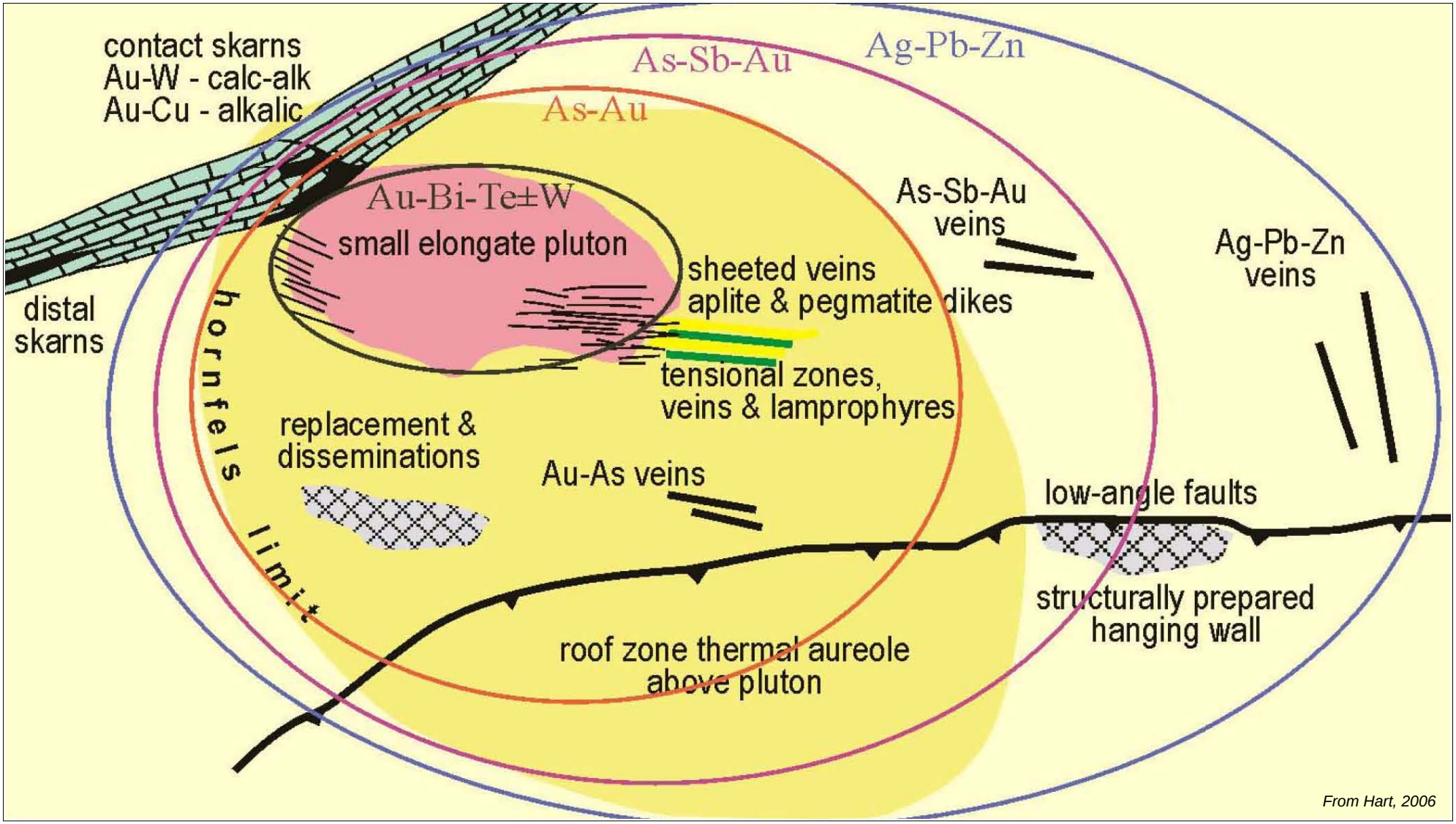
The best known RIRGS deposits in the Yukon are the former Brewery Creek Mine and Dublin Gulch Deposit. Nearby examples of RIRGS gold mineralization have recently been discovered at Goldstrike Resources Limited's Plateau North and South properties, located 43 and 42 km northwest of the Liam property, respectively (Figure 4). The Yellow Giant Trend on Plateau South property hosts high grade gold mineralization. The properties are underlain by Hyland Group, which have been cut by two Selwyn Suite Plugs. Mineralization is hosted within and on the margins of these intrusive bodies. Grab samples from the VG, Goldbank and Goldstack Zones reportedly contain visible gold and return encouraging assays, including 525.86, 34.25 and 49.21 g/t gold, respectively. The Goldrush Trend, located on Plateau North property, has produced strongly elevated soil and rock results that include up to 26.82 and 8.99 g/t gold, respectively. The gold is structurally controlled but occurs in a variety of settings: an anticlinal fold hinge capped by felsic volcanic tuff (VG Zone); weathered gritty sandstone hosting disseminated arsenopyrite (VG Zone); variably silicified felsic volcanics (Goldbank Zone); and breccias associated with extensive quartz veining (Goldstack Zone) - (Bremner, 2012).

RIRGS gold deposits are the product of local-scale fluids derived from cooling of a proximal granitoid intrusion. Figure 22 illustrates several of the geochemical, lithological, structural and mineralogical features of RIRGS gold deposits. These deposits share several characteristics with orogenic deposits, which are considered to result from crustal-scale fluids derived through metamorphic dehydration (Hart, 2005). Features that are common to both deposit types include:

1) metaluminous, subalkalic intrusions or intermediate to felsic compositions that lie near the boundary between ilmenite and magnetite series;
2) carbonic hydrothermal fluids;
3) a metal assemblage that variably combines gold with elevated bismuth, tungsten, arsenic, molybdenum, tellurium and/or antimony and low concentrations of base metals; and
4) a low sulphide mineral content, with a reduced ore mineral assemblage that typically comprises arsenopyrite, pyrrhotite and pyrite and lacks magnetite and hematite (Hart, 2005).

Other features exist that exclusively differentiate RIRGS deposits (Hart, 2005), including:

1) ideal tectonic setting is ancient continental margin behind accretionary or collisional orogens and subduction-related magmatic arcs;
2) typically formed late in orogeny;
3) preferred host strata include basinal miogeoclinal sedimentary or metasedimentary rocks;
4) concentric zoning due to steep thermal gradients surrounding cooling plutons – zones can develop outward from pluton margin for up to a few kilometres and gold mineralization is associated with pluton-proximal mineralization (bismuth, tellurium



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FIGURE 22
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REDUCED INTRUSION-RELATED GOLD SYSTEMS MODEL

LIAM PROPERTY

FILE:2012/Lansing.../IRGS_model.wor | DATE: JANUARY 2013

and tungsten), aureole-hosted mineralization (arsenic or antimony) and distal mineralization (silver, lead and zinc);
5) several different styles of mineralization due to rapid cooling of mineralizing fluids – styles include variably intrusion and country-rock hosted skarns, replacements, disseminations, stockworks and veins;
6) sheeted arrays of parallel, low-sulphide, single-stage quartz veins found over tens to hundreds or metres and preferentially located in the pluton's cupola are the most distinctive style of gold mineralization;
7) plutons should exhibit physical evidence and geochemical support for high volatile contents, fluid exsolution, rapid fractionation, zonation, porphyry textures, presence of aplite and pegmatite dykes, quartz and tourmaline veins, greisen alteration, mariolitic cavities and/or unidirectional-solidification textures;
8) felsic, ilmenite-series plutons that lack magnetite, have low magnetic susceptibilities and aeromagnetic response, and have low ferric:ferrous ratios; and
9) coeval (± 2 million years) with their associated, causative pluton.

The abundance of RIRGS deposits correlates inversely with the surface exposure of the related intrusion because stocks and batholiths with considerable erosion are generally less prospective (Lefebure and Hart, 2005)

DISCUSSION AND CONCLUSIONS

New Dimension's 2012 exploration program was designed to follow up on strong multi-element soil geochemical anomalies and auriferous quartz vein and skarn showings identified in 2011. More detailed soil sampling delineated three southeast-trending, precious metal enriched zones, two of which partially coincide with the known showings. The work also outlined two large multi-element anomalies that partially overlap the precious metal trends.

Several geochemical and geological features on the Liam property are characteristic of the RIRGS deposit model. These features include: a continental margin setting that underwent orogeny; proximity to small granitoid intrusion(s); aplite dykes; and evidence of a large hydrothermal system that is marked by auriferous veins and skarns. This model applies to a number of mines and advanced prospects in the Tombstone Gold Belt of Yukon and Alaska, including Goldstrike's nearby Plateau North and South properties.

The strong positive magnetic response that surrounds the three small plugs on the property suggests that there has been only minimal erosion of the hornfelsed cupola above a larger buried intrusion. This setting is positive for exploration because most of the prospective host rocks would be preserved. The varying shaped geochemical signatures associated with the trends and anomalies suggest that different styles of mineralization may be present and that some telescoping of epithermal and mesothermal systems may have occurred.

The geological setting at the Liam property facilitates a range of possible RIRGS mineralization styles which include: contact and distal skarns; replacement and disseminations; low-angle faults; and auriferous quartz veins. Favourable stratigraphy and structure (bedding, fold hinge axis and low-angle faults) orientations that correlate with the precious metal enriched trends may

represent skarn, replacement and/or low-angle fault mineralization. The known gold rich veins on the claim block appear to lie within the As-Sb-Au aureole of the RIRGS model. The North Trend appears to extend about 500 m to the northwest beyond the edge of the grid, while the possible extensions of Central and South Trends are less certain with the present soil sample coverage.

Additional exploration is needed on the Liam property to constrain the extent, nature and controls of the mineralization. This work should include: 1) extension of the closely-spaced soil grid to the northwest and southeast to further delineate the trends and anomalies; 2) hand trenching to expose mineralized bedrock (this will likely be most effective near ridgelines) 3) systematic detailed mapping and prospecting in geochemically anomalous areas to identify the presence or absence of lithological and/or structural features that are indicative of RIRGS deposits or other deposit types, such as a copper-molybdenum porphyry; 4) a low-level helicopter-borne magnetic geophysical survey to better delineate contacts between the intrusive rocks and surrounding metasediments and possibly identify local demagnetized zones that could be developed around strong veins; and 5) diamond drilling to test for various types of mineralization deeper in the system, if sufficient funding is available. Electromagnetic and induced polarization surveys are not likely to be useful because syngenetic pyrite and graphite are both common in Earn Group and thus could overshadow responses related to hydrothermal sulphides. If sufficient funding is available, drilling should test beneath the Earn Group to see if it has acted as a cap rock for mineralization within Hyland Group and Gull Lake Formation – if this is the case, the vein mineralization observed at surface may be leakage from a larger system. Although high-level fracture-controlled gold mineralization at the Brewery Creek deposit is hosted within monzonite sills and Earn Group rocks (Diment and Craig, 1999), RIRGS occurrences in Yukon are more common to Hyland Group strata.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



A. Mitchell, B.Sc. Geology, GIT

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Andrew Mitchell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2010 with a B.Sc. in Earth and Environmental Sciences.

2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.

3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 169067)

4. I have interpreted all data resulting from this work.



A. Mitchell, B.Sc. Geology, GIT

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Project: Lansing Property: Liam

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079660	UTM: 633219	E	UTM: 7006794	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Strongly altered green-dark grey clay altered rock with limonite staining on surface and partially through rock. Sample was taken from steep talus slope with weak soil formation. Talus comprises Quartzite, Dyke and black phyllite (Dominantly quartzite). Talus is approximately 20 m wide and 80 m long. Sample comprises < 1 % of rocks within talus

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079661	UTM: 633292	E	UTM: 7006957	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Diorite-granodiorite dyke hosting fine grained to medium grained aspy?galena? (up to 5%). Sample was taken from a rusty section along a fracture. These were the only samples which hosted mineralization, many other rusty sections, but no sulphides. Fracture strikes 034 and dips 65 to the southwest

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079665	UTM: 633345	E	UTM: 7006796	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Medium to light green, weakly calcareous skarn with patchy rusty weathered surface. Rock was taken from a subcrop within the Neeson Showing area. The subcrop was approximately 4 x 4 m's.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079666	UTM: 633414	E	UTM: 7006887	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Highly scordite altered with patchy fine grained aspy disseminated throughout (~5%). Rock is weakly competent and appears clay-like. Taken from talus slope above Neeson Showing and there are several pieces (~ 2-5% of talus). Talus comprises mostly quartzite and minor black and grey hornfelsed phyllite.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079667	UTM: 633432	E	UTM: 7006912	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Scordite stained and semi-massive fine grained aspy (50-80%). Taken from subcrop ~ 25 cm wide, but s/c is ~ 70 cm wide but needs to be trenched. This sample was taken at the end of the float train of scordite stained veins (I079667). Walked to top of ridge and no exposure of this vein was visible, approximately 70% quartzite and 30 % Hornfelsed phyllite talus.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079668	UTM: 633323	E	UTM: 7006778	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty and limonite altered dark grey quartzite. Vein is exposed for approximately 15m and is 2m wide and near the Neeson Showing.

Rock Sample Descriptions Project: Lansing Property: Liam

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079669	UTM: 633326	E	UTM: 7006672	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty, limonite altered rock with relict dark grey quartzite? Clasts. Sample was taken from a 5x1m outcrop near the bottom of the creek gully.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079670	UTM: 633305	E	UTM: 7006658	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty orange/puple/brown Limonite altered quartzite taken from west side of gully from a 1x1 subcrop.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079671	UTM: 633304	E	UTM: 7006664	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty orange/brown limonite (relict dark grey quartzite). White clay alteration is found as patches and bands throughout the rock. Sample was taken from an ~ 20-30 cm horizon between two black hornfelsed phyllite layers.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079672	UTM: 633219	E	UTM: 7006543	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty weathered quartz vein/silicified chert? From approximately 2 m wide subcrop between purple-grey quartzite interbedded with grey to black phyllite

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079673	UTM: 633505	E	UTM: 7006572	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Limonitic rusty weathered vein with approximately 40 % aspy and py. The vein is striking at 28 and dipping 66 degrees to the northwest. Vein is approximately 10-15 cm wide and exposed over a 10 m strike length

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
K862801	UTM: 633432	E	UTM: 7006912	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Chip sample across 3 m, which was dug due to aspy subcrop, which turned out to be float. The chip sample comprises mostly phyllite with interbedded quartzite.

Rock Sample Descriptions Project: Lansing Property: Liam

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079674	UTM: 633314	E	UTM: 7007215	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Light to medium grey quartzite with grey weathering surface. Hosts disseminated fine grained aspy and aspy as < 1 mm stringers (1-3%). Found as large subcrop felseneer near the ridge along a moderately steep slope

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079675	UTM: 633361	E	UTM: 7007175	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Altered grit to quartzite with vfg sulfides (py? Aspy?) found as blebs. Clasts range from purple to grey quartzite and silicified phyllite? Taken from subcrop near a dyke.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079676	633424	E	UTM: 7007150	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Sample was taken from intermittent quartzite and phyllite with skarn. The skarn represents approximately 50% of the outcrop at this location, but overall only represents 10-40%? Skarn is defined by medium green with few quartz clasts and fine grained sulphides (~ 1%) disseminated throughout (py? aspy?)

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079677	UTM: 633489	E	UTM: 7006823	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Quartz vein float up to 7 cm wide found within talus, which consists of mostly light grey quartzite. Vein represents ~ 1 of talus. Was unable to trace the source further uphill towards the ridge. Rock consists of strong scordite staining and semi-massive arseino pyrite found as blebs and disseminated and as stringers.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079678	UTM: 633554	E	UTM: 7006820	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Orangy-brown limonite taken from talus near ridge top. Sample comprises < 1% of talus, which consists of black hornfelsed phyllite and light grey quartzite.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079679	UTM: 633917	E	UTM: 7006335	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Diorite to granodiorite dyke, hosting 1-3% fine grained to bleby py? Aspy? Taken from edge of prominent gully, which cross cuts purple to dark grey interbedded quartzite and hornfelsed phyllite.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079680	UTM: 632121	E	UTM: 7006583	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Clay-altered and pyrite pitted intrusive. Found as float on ridge top approximately 50 m from the intrusion. Talus like this rock is < 1%

Rock Sample Descriptions Project: Lansing Property: Liam

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079681	UTM: 632221	E	UTM: 7006453	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Light orange altered quartzite (weakly limonitic?) found on ridge top in a 1 x 1 m subcrop adjacent to black hornfelsed phyllite.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079682	UTM: 632223	E	UTM: 7006431	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Weakly calcareous, light green to dark grey skarn. Taken from an approximately 2 m wide skarn horizon on the ridge top

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079683	UTM: 632428	E	UTM: 7006202	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty and highly manganse stained quartzite found approximately 5 m from a dyke. Found within structure-like corridore adjacent to a saddle and appears fissile and mylonitized.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079684	UTM: 633339	E	UTM: 7006637	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Limonite to scordite altered skarn? Found immediately adjacent to a gully. Approximately 2.2 m wide (up to 5 m) with a thickness unknown. Trends approximately 35-40 degrees uphill and bound by hornfelsed black phyllite to the west.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079685	UTM: 633549	E	UTM: 7006855	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Tremolite within rusty limonitic clasts. Taken from float and represents < 1%. Talus mostly comprises grey quartzite with fine grained disseminated pyrite.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079686	UTM: 633428	E	UTM: 7006912	N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 42 cm chip sample interval of grey quartzite, which has been altered to a rusty brownish color. Found adjacent to mineralized skarn horizon within trench A

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I079687	UTM: 633428	E	UTM: 7006912	N	Sample Width:	Abundance:
	Elevation:	m				

Rock Sample Descriptions Project: Lansing Property: Liam

Comments: 21 cm chip sample of semi-massive to massive arsenopyrite rich skarn. Green in color (scordite stained) and taken from trench A

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
I079688	UTM:	633428	E	UTM:	7006912	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: 86 cm chip sample of grey quartzite. Altered to a rusty-brown and found adjacent to a mineralized skarn horizon taken from Trench A

APPENDIX III

CERTIFICATES OF ANALYSIS

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2012
Account: F

CERTIFICATE WH12174363

Project: Liam

P.O. No.:

This report is for 26 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

SARAH EATON	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

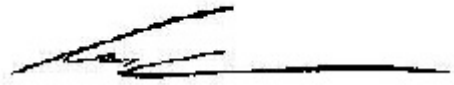
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12174363

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
I079660		0.26	0.009	8.43	1.94	376	<0.2	<10	70	0.30	19.40	0.02	0.51	4.70	3.9	35
I079661		0.75	0.005	0.21	3.15	780	<0.2	<10	130	0.85	6.10	1.39	0.09	47.1	9.1	19
I079665		0.30	0.017	0.38	0.92	22.2	<0.2	<10	120	0.31	0.81	1.69	0.35	4.38	3.1	7
I079666		0.62	0.422	1.10	0.26	>10000	0.5	<10	40	0.06	4.44	0.01	0.72	0.28	14.5	4
I079667		0.31	0.447	1.55	0.47	>10000	0.5	<10	40	0.15	3.59	0.07	1.51	2.00	295	5
I079668		0.29	0.103	46.9	0.84	>10000	<0.2	<10	10	0.19	138.5	0.03	1.50	3.06	6.4	16
I079669		0.15	0.007	1.12	0.37	5160	<0.2	<10	100	0.56	29.6	0.09	17.95	8.58	3.9	12
I079670		0.31	0.006	0.26	0.05	179.0	<0.2	<10	110	0.20	27.2	0.22	0.09	0.54	0.8	1
I079671		0.15	0.011	0.63	0.39	179.5	<0.2	<10	50	0.82	35.0	0.14	8.05	4.19	3.6	5
I079672		0.22	0.004	0.75	0.24	149.0	<0.2	<10	190	0.13	0.32	0.08	0.95	4.43	2.1	37
I079673		0.20	2.13	29.6	0.36	>10000	2.3	<10	50	0.21	92.9	0.01	17.25	9.74	3.2	4
I079674		0.40	0.024	0.42	1.14	237	<0.2	<10	170	0.46	1.16	0.90	0.36	17.55	9.8	22
I079675		0.18	0.010	0.28	0.42	212	<0.2	<10	150	0.18	0.45	0.09	0.36	7.04	2.1	39
I079676		0.27	0.005	0.38	0.95	60.0	<0.2	<10	90	0.37	0.85	0.62	1.40	14.45	8.3	41
I079677		0.37	3.20	18.60	0.32	>10000	5.0	<10	30	0.11	63.1	0.01	31.3	0.46	23.2	7
I079678		0.17	0.031	2.94	1.60	1725	<0.2	<10	730	0.50	3.67	1.25	0.43	9.77	4.3	45
I079679		0.37	0.011	0.26	5.25	1080	<0.2	<10	60	2.01	4.92	2.86	0.22	27.1	13.0	19
I079680		0.20	0.002	0.10	2.22	135.0	<0.2	<10	80	0.87	0.07	2.41	1.51	40.0	10.7	58
I079681		0.11	0.004	0.25	0.47	197.5	<0.2	<10	370	0.23	0.17	0.03	0.16	17.25	0.5	23
I079682		0.43	0.002	0.15	1.67	35.5	<0.2	10	90	0.56	0.01	4.90	1.82	10.55	1.8	7
I079683		0.16	0.006	1.95	0.57	171.5	<0.2	<10	290	0.56	0.79	0.04	52.2	17.45	16.1	7
I079684		0.21	0.010	0.54	0.72	17.9	<0.2	<10	70	0.35	52.3	0.18	0.30	3.66	0.9	7
I079685		0.24	0.010	1.65	0.21	19.2	<0.2	<10	20	0.47	2.22	0.23	2.89	2.23	4.6	2
I079686		0.45	0.013	1.83	0.36	1930	<0.2	<10	130	0.28	0.97	0.02	3.17	10.05	7.3	9
I079687		0.20	0.412	3.55	1.11	>10000	0.4	<10	30	0.59	3.91	0.01	5.58	3.12	73.8	10
I079688		0.26	0.068	16.40	0.23	1190	<0.2	<10	100	0.20	1.25	0.02	1.95	10.65	0.6	5

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12174363

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
I079660		0.74	232	13.45	16.40	0.97	0.51	0.06	0.044	0.03	2.6	21.9	2.06	1180	30.0	0.01
I079661		1.42	48.4	3.23	10.60	0.20	0.60	0.02	0.025	0.24	24.8	24.6	0.99	294	9.64	0.19
I079665		0.89	198.5	1.49	3.88	0.45	0.11	0.02	0.085	0.03	2.4	16.0	1.59	196	1.50	0.01
I079666		0.33	27.2	21.0	2.45	0.64	0.11	0.05	0.108	0.01	0.2	2.2	0.01	<5	9.43	<0.01
I079667		0.65	30.2	18.35	2.10	0.76	0.11	0.06	0.117	0.03	1.2	12.2	0.34	70	12.70	0.01
I079668		0.45	>10000	14.90	8.37	0.56	0.25	0.07	3.06	0.02	1.7	7.8	1.05	197	123.5	0.01
I079669		0.47	763	16.50	4.15	0.42	0.15	0.05	0.196	0.01	9.1	4.0	0.73	325	65.5	0.01
I079670		0.09	81.0	4.11	0.82	0.26	0.04	0.01	0.034	0.01	0.5	1.2	0.52	58	6.00	0.01
I079671		2.11	255	8.78	2.66	0.38	0.21	0.03	0.133	0.04	4.8	11.0	0.88	108	20.5	0.01
I079672		0.76	37.1	1.20	1.40	<0.05	0.11	<0.01	0.014	0.08	2.5	2.1	0.08	47	0.87	<0.01
I079673		0.69	239	11.30	1.77	0.24	0.11	0.18	5.48	0.22	7.6	2.7	0.06	25	1.41	0.01
I079674		3.83	86.2	3.00	3.60	0.09	0.09	0.02	0.013	0.07	9.8	13.7	0.33	132	0.78	0.02
I079675		1.43	30.9	1.57	2.06	0.05	0.10	0.01	0.021	0.09	4.1	8.6	0.26	91	0.77	0.01
I079676		3.13	47.4	2.26	2.98	0.07	0.13	0.01	0.015	0.08	7.4	16.4	0.45	189	0.98	0.02
I079677		0.20	210	25.0	2.24	1.07	0.30	0.21	2.66	0.01	0.5	12.0	0.01	5	16.50	0.01
I079678		26.6	420	5.84	8.64	0.62	0.64	0.02	0.267	1.08	5.9	71.9	3.26	164	8.12	0.02
I079679		1.85	35.8	4.35	14.85	0.20	0.34	0.02	0.023	0.14	14.8	27.6	1.32	314	0.72	0.41
I079680		0.53	5.3	2.90	8.03	0.11	0.74	0.02	0.030	0.19	19.9	40.3	1.48	622	0.42	0.02
I079681		0.11	31.7	1.00	1.85	0.06	0.30	0.45	0.028	0.01	10.5	2.4	0.02	25	28.5	<0.01
I079682		0.15	6.6	0.86	4.43	0.11	0.32	0.01	0.017	0.01	6.5	26.5	2.03	367	16.65	0.01
I079683		0.93	11.2	2.70	1.83	0.06	0.10	0.01	0.019	0.13	6.6	10.3	0.05	12200	0.70	0.01
I079684		0.26	173.5	9.53	4.21	0.48	0.19	0.02	0.053	0.01	1.9	8.1	1.01	169	13.35	0.01
I079685		1.16	486	4.47	1.72	0.25	0.09	0.02	0.191	0.01	1.1	14.2	0.46	169	6.95	0.01
I079686		1.49	112.0	2.20	1.32	0.06	0.13	0.05	0.088	0.16	4.7	2.5	0.08	431	25.7	0.01
I079687		2.24	128.5	21.5	5.57	0.70	0.45	0.09	0.268	0.05	1.8	32.0	0.60	131	5.48	0.01
I079688		0.71	121.5	1.90	0.74	0.06	0.16	0.09	0.239	0.12	5.9	1.8	0.02	22	15.85	0.01

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

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12174363

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
I079660		0.22	39.4	290	325	2.4	0.007	0.17	7.41	7.0	26.1	4.4	2.3	0.01	0.23	3.2
I079661		0.79	11.8	440	11.2	15.4	0.013	0.20	0.75	9.6	1.3	2.1	84.6	0.02	0.01	15.8
I079665		0.11	27.7	340	7.7	2.1	0.001	0.23	1.72	1.0	1.9	5.3	15.1	<0.01	0.03	4.2
I079666		0.81	10.5	70	42.3	0.6	0.004	2.48	246	2.9	60.6	1.6	1.0	<0.01	5.07	0.5
I079667		0.58	121.5	300	114.0	2.5	0.050	8.56	178.5	3.1	125.5	3.2	15.3	<0.01	13.75	0.9
I079668		0.37	43.0	260	20.9	1.6	0.015	2.41	17.45	3.7	15.4	71.9	6.0	<0.01	0.88	1.6
I079669		0.25	71.0	1200	32.7	0.8	0.013	0.08	28.4	11.1	15.0	3.6	6.7	0.01	0.39	1.3
I079670		0.07	11.8	180	6.6	0.2	0.002	0.09	0.85	0.7	17.6	3.1	2.9	<0.01	0.78	0.4
I079671		0.26	67.0	270	29.5	3.4	0.005	0.10	1.15	3.4	15.2	12.2	3.4	0.01	1.25	2.1
I079672		0.24	19.3	90	5.8	4.8	<0.001	0.35	1.50	0.9	0.7	0.3	19.7	<0.01	0.08	1.1
I079673		0.39	5.9	70	>10000	12.9	0.002	6.97	>10000	1.8	9.9	229	7.6	<0.01	0.19	2.6
I079674		0.59	21.1	120	35.2	5.6	0.001	1.50	16.00	2.2	8.0	0.8	74.8	0.01	0.34	3.0
I079675		0.23	27.2	130	79.2	7.2	<0.001	0.30	41.7	2.3	0.8	1.0	8.7	<0.01	0.07	1.3
I079676		0.37	32.1	100	14.2	5.9	0.001	0.83	11.40	2.1	1.2	1.1	25.9	<0.01	0.16	2.9
I079677		1.07	103.0	200	1815	1.1	0.034	>10.0	1270	6.7	144.5	37.6	3.3	<0.01	3.95	2.2
I079678		0.68	44.1	4110	12.5	126.5	0.013	0.21	5.88	15.7	25.5	2.2	80.8	0.02	0.15	2.6
I079679		0.47	7.2	510	16.2	8.3	0.001	1.62	6.93	13.1	2.9	2.7	196.5	0.02	0.08	9.3
I079680		0.09	15.8	440	17.7	10.7	0.001	0.03	1.03	13.6	0.6	0.3	55.5	0.01	0.02	7.7
I079681		0.05	11.7	400	19.1	0.6	0.003	0.02	8.43	2.5	2.4	0.7	84.8	<0.01	0.03	3.5
I079682		0.16	42.4	190	1.3	0.5	0.014	0.02	2.15	1.3	0.4	1.0	96.5	0.01	0.02	2.7
I079683		0.05	86.6	130	104.5	9.5	0.001	0.03	6.39	2.7	1.3	1.6	12.9	<0.01	0.05	2.7
I079684		0.42	8.0	210	11.5	0.4	0.008	0.29	0.65	2.7	42.2	5.9	4.7	<0.01	13.70	2.3
I079685		0.10	29.6	130	4.3	1.7	0.002	0.03	3.49	2.1	3.9	10.7	2.1	<0.01	0.10	0.8
I079686		0.10	36.8	100	292	13.8	0.005	0.04	124.0	2.5	2.8	16.1	9.5	<0.01	0.13	2.8
I079687		0.87	66.8	30	443	5.1	0.004	7.16	347	8.4	52.9	20.4	7.3	<0.01	4.15	1.7
I079688		0.05	7.3	130	4020	9.2	0.009	0.17	2390	1.3	5.4	91.8	8.4	<0.01	0.05	2.3

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

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12174363

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Cu-OG46	Pb-OG46	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	Cu	Pb	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001	0.01
I079660		0.008	0.10	4.57	483	0.17	11.65	112	21.1			
I079661		0.148	0.11	3.14	61	0.26	9.48	39	15.9			
I079665		0.015	0.07	6.03	18	1.06	4.66	57	4.1			
I079666		<0.005	0.04	1.00	69	<0.05	0.30	41	4.4			28.0
I079667		<0.005	0.07	2.18	41	0.05	3.12	37	4.2			22.6
I079668		0.016	0.08	8.16	373	19.35	5.01	144	9.6	1.110		3.90
I079669		0.005	0.11	16.85	343	0.13	33.2	528	6.6			
I079670		<0.005	0.02	1.27	43	0.16	2.18	25	2.3			
I079671		0.013	0.31	6.38	207	0.13	15.50	1050	10.3			
I079672		0.014	0.07	0.26	16	0.83	1.47	88	4.7			
I079673		<0.005	0.19	0.55	10	0.05	1.89	1060	4.3		3.56	8.03
I079674		0.036	0.07	0.28	11	0.28	4.47	29	2.5			
I079675		0.017	0.11	0.32	33	0.07	3.62	48	4.1			
I079676		0.037	0.09	0.41	19	0.21	4.88	137	3.9			
I079677		<0.005	0.10	19.00	156	0.11	1.60	2880	10.7			30.2
I079678		0.047	1.70	17.95	392	1.17	38.8	130	16.1			
I079679		0.124	0.09	1.15	78	0.32	6.96	60	11.9			
I079680		<0.005	0.15	1.04	65	0.06	13.50	71	29.1			
I079681		<0.005	0.05	3.89	141	0.10	9.13	32	11.6			
I079682		0.040	0.02	4.68	48	0.47	15.05	154	13.8			
I079683		<0.005	0.20	0.69	7	<0.05	8.02	1320	4.4			
I079684		0.032	<0.02	2.30	208	0.64	4.64	37	6.9			
I079685		0.005	0.07	1.85	21	0.26	6.55	168	4.9			
I079686		<0.005	0.21	4.01	26	0.17	3.54	314	5.9			
I079687		<0.005	0.27	7.17	197	0.06	3.23	334	16.6			24.9
I079688		<0.005	0.16	5.62	22	0.09	1.34	103	6.8			

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Finalized Date: 12- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12174363

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

CERTIFICATE WH12173429

Project: Liam

P.O. No.:

This report is for 170 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

SARAH EATON	JOAN MARIACHER	

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- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65251		0.24	0.005	0.33	0.70	266	<0.2	<10	70	0.18	4.36	0.05	0.42	11.55	3.1	10
ZZ65252		0.34	0.024	0.89	1.16	592	<0.2	<10	160	0.60	5.92	0.12	1.26	31.5	11.1	18
ZZ65253		0.26	<0.001	0.11	0.29	22.0	<0.2	<10	30	<0.05	0.26	0.04	0.13	3.89	1.3	4
ZZ65254		0.27	0.008	0.73	1.01	110.0	<0.2	<10	190	0.38	2.41	0.05	0.90	29.2	4.0	23
ZZ65255		0.29	0.017	2.31	1.06	823	<0.2	<10	350	0.90	5.98	0.22	1.32	53.9	6.4	16
ZZ65256		0.26	0.036	2.49	2.56	812	<0.2	<10	320	1.53	5.61	0.09	0.93	52.2	8.5	33
ZZ65257		0.33	0.021	3.01	1.93	441	<0.2	<10	240	1.45	10.75	0.11	2.79	56.6	37.5	16
ZZ65258		0.22	0.012	1.05	1.62	466	<0.2	<10	150	1.19	3.73	0.07	1.94	27.2	11.0	20
ZZ65259		0.27	0.025	2.11	1.85	1920	<0.2	<10	140	0.67	11.80	0.08	1.05	28.7	9.7	23
ZZ65260		0.19	0.003	0.52	1.44	141.0	<0.2	<10	190	0.62	1.02	0.06	1.45	19.65	4.8	20
ZZ65261		0.17	0.014	0.69	1.15	831	<0.2	<10	100	0.39	4.29	0.05	0.85	17.55	4.7	21
ZZ65262		0.20	0.005	0.22	1.00	310	<0.2	<10	100	0.21	2.13	0.06	0.27	18.20	3.2	17
ZZ65263		0.20	0.014	0.68	1.53	777	<0.2	<10	130	0.46	6.13	0.06	0.41	19.20	5.3	19
ZZ65264		0.24	0.001	0.08	0.19	8.3	<0.2	<10	20	<0.05	0.13	0.03	0.08	1.92	0.6	3
ZZ65265		0.29	0.003	0.30	0.61	154.0	<0.2	<10	70	0.17	1.22	0.03	0.25	18.05	2.2	8
ZZ65266		0.22	0.006	0.70	0.89	803	<0.2	<10	100	0.27	3.95	0.04	0.46	20.2	4.0	16
ZZ65267		0.28	0.001	0.42	0.72	104.5	<0.2	<10	80	0.24	2.54	0.02	0.21	23.8	3.7	12
ZZ65268		0.21	0.001	0.16	0.76	53.4	<0.2	<10	70	0.14	0.91	0.05	0.12	21.6	2.0	13
ZZ65269		0.27	0.009	0.72	0.99	482	<0.2	<10	120	0.46	4.04	0.03	0.54	30.4	4.9	21
ZZ65270		0.31	0.003	0.27	1.28	96.3	<0.2	<10	120	0.44	1.04	0.03	0.33	16.35	8.1	21
ZZ65271		0.20	0.003	0.17	1.36	54.9	<0.2	<10	130	0.34	0.73	0.04	0.32	25.5	4.7	20
ZZ65272		0.29	0.009	0.42	1.66	323	<0.2	<10	180	0.62	1.66	0.07	0.45	24.0	9.3	22
ZZ65273		0.23	0.002	0.19	0.46	78.0	<0.2	<10	40	0.11	0.59	0.03	0.17	10.55	1.5	6
ZZ65274		0.22	0.009	0.38	0.96	1035	<0.2	<10	170	0.32	7.57	0.06	0.36	18.60	4.3	19
ZZ65275		0.23	0.024	1.64	1.44	1645	<0.2	<10	130	0.81	16.35	0.09	1.48	29.1	13.7	12
ZZ65276		0.33	0.010	0.86	1.74	361	<0.2	<10	220	1.03	2.75	0.14	2.07	31.8	21.4	22
ZZ65277		0.23	0.012	1.29	1.59	209	<0.2	<10	350	0.72	3.50	0.07	2.36	30.0	8.3	26
ZZ65278		0.23	0.004	0.37	0.62	181.0	<0.2	<10	230	0.24	2.23	0.03	0.37	17.70	2.8	10
ZZ65279		0.30	0.050	4.30	1.35	456	<0.2	<10	770	1.20	34.0	0.08	4.58	47.3	11.6	23
ZZ65280		0.26	0.015	1.96	1.57	99.6	<0.2	<10	290	2.76	2.07	0.10	4.03	77.1	13.8	15
ZZ65281		0.23	0.016	0.95	2.02	143.0	<0.2	<10	310	1.36	3.78	0.06	1.48	45.7	17.2	28
ZZ65282		0.26	0.003	0.20	1.31	58.7	<0.2	<10	200	0.42	0.84	0.06	0.55	20.3	7.2	22
ZZ65283		0.35	0.031	1.85	1.33	1260	<0.2	<10	210	0.76	8.07	0.15	2.11	33.1	13.1	23
ZZ65284		0.25	0.025	1.53	0.93	1470	<0.2	<10	180	0.59	13.20	0.05	1.50	25.2	6.7	18
ZZ65285		0.18	0.033	1.57	1.33	751	<0.2	<10	210	0.62	6.23	0.07	1.24	41.1	12.8	15
ZZ65286		0.16	0.033	1.05	4.75	3220	<0.2	10	100	4.46	4.80	1.44	6.89	70.9	120.0	26
ZZ65287		0.14	0.004	0.68	0.96	141.5	<0.2	<10	70	0.51	2.47	0.15	0.78	6.55	7.8	10
ZZ65288		0.12	0.005	0.44	1.29	535	<0.2	<10	100	0.62	3.57	0.07	1.38	11.85	17.1	17
ZZ65289		0.16	0.007	0.85	0.76	653	<0.2	<10	60	0.33	2.28	0.09	0.56	9.49	5.4	11
ZZ65290		0.11	0.006	0.72	1.63	217	<0.2	<10	70	0.59	1.79	0.08	0.39	7.96	7.8	17

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VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65251		1.60	45.2	1.54	3.00	<0.05	<0.02	0.03	0.024	0.04	6.5	3.5	0.11	124	6.21	0.02
ZZ65252		1.92	123.5	3.45	3.39	<0.05	0.02	0.04	0.041	0.06	17.2	10.1	0.30	349	8.69	0.01
ZZ65253		0.51	7.3	0.63	1.76	<0.05	<0.02	0.02	<0.005	0.02	2.1	0.5	0.02	37	0.63	0.03
ZZ65254		3.61	46.1	3.35	5.81	<0.05	<0.02	0.12	0.038	0.07	17.8	4.5	0.13	134	14.50	0.01
ZZ65255		4.12	144.5	4.58	3.06	0.10	0.02	0.06	0.067	0.10	33.0	9.1	0.42	173	32.8	0.01
ZZ65256		6.78	202	8.11	6.44	0.11	0.03	0.11	0.084	0.19	28.8	20.2	0.57	280	28.6	0.03
ZZ65257		6.75	135.0	5.83	4.26	0.09	0.04	0.36	0.042	0.09	28.6	10.4	0.29	590	14.45	0.02
ZZ65258		3.84	124.0	5.88	4.10	0.05	0.02	0.11	0.062	0.07	15.4	10.0	0.28	292	25.9	0.01
ZZ65259		4.87	110.0	5.60	5.59	0.06	0.02	0.07	0.045	0.09	15.2	14.6	0.41	438	9.19	0.01
ZZ65260		2.68	34.3	2.67	5.12	<0.05	<0.02	0.05	0.026	0.06	10.6	8.5	0.22	172	6.13	0.01
ZZ65261		2.47	51.4	3.50	4.77	<0.05	<0.02	0.07	0.056	0.06	9.5	7.6	0.21	185	6.98	0.01
ZZ65262		1.50	21.6	2.58	6.28	<0.05	<0.02	0.04	0.023	0.05	9.5	4.8	0.15	142	3.89	0.01
ZZ65263		2.32	94.3	2.84	4.65	<0.05	<0.02	0.07	0.036	0.07	9.8	7.8	0.27	185	3.89	0.02
ZZ65264		0.59	3.1	0.41	0.96	<0.05	<0.02	0.01	<0.005	0.03	1.0	0.4	0.02	17	0.31	0.03
ZZ65265		1.84	23.1	1.21	4.99	<0.05	<0.02	0.02	0.028	0.05	9.7	1.3	0.04	95	2.59	0.01
ZZ65266		2.29	49.5	3.11	6.71	<0.05	<0.02	0.08	0.085	0.07	11.0	3.2	0.11	123	9.85	<0.01
ZZ65267		1.73	26.2	2.37	6.51	<0.05	<0.02	0.03	0.076	0.06	12.8	2.0	0.06	131	3.41	<0.01
ZZ65268		1.57	13.4	1.73	6.18	<0.05	<0.02	0.05	0.025	0.06	11.1	1.9	0.06	117	2.22	<0.01
ZZ65269		1.98	47.4	4.59	6.44	<0.05	<0.02	0.08	0.129	0.09	16.9	5.0	0.17	144	5.50	<0.01
ZZ65270		1.19	33.8	4.06	4.69	<0.05	0.03	0.07	0.057	0.07	8.1	9.3	0.18	392	3.15	<0.01
ZZ65271		1.87	22.3	2.72	7.20	<0.05	0.02	0.07	0.035	0.06	13.4	6.1	0.15	188	3.41	0.01
ZZ65272		2.03	48.5	3.40	5.18	<0.05	0.03	0.11	0.045	0.08	11.5	16.8	0.27	309	4.59	0.01
ZZ65273		1.47	9.2	0.86	3.78	<0.05	<0.02	0.04	0.009	0.03	5.6	1.5	0.04	56	1.63	0.01
ZZ65274		3.24	49.6	3.89	7.29	<0.05	<0.02	0.07	0.033	0.08	10.1	6.5	0.22	194	9.74	0.01
ZZ65275		4.84	120.5	4.08	4.41	0.05	0.05	0.06	0.045	0.06	15.5	12.5	0.32	438	5.62	0.01
ZZ65276		3.68	76.9	3.32	5.26	0.06	0.03	0.09	0.044	0.08	16.7	14.1	0.35	539	9.64	<0.01
ZZ65277		3.72	65.4	3.42	6.17	0.06	0.02	0.09	0.100	0.08	16.1	14.3	0.30	401	19.55	0.01
ZZ65278		1.98	32.7	2.24	4.54	<0.05	<0.02	0.06	0.038	0.05	10.7	2.5	0.05	98	14.20	0.01
ZZ65279		4.85	180.5	7.53	5.63	0.12	0.03	0.08	0.314	0.11	26.8	9.3	0.32	295	45.7	0.01
ZZ65280		4.19	271	8.35	3.06	0.16	0.05	0.21	0.185	0.09	37.3	5.3	0.12	310	40.6	0.01
ZZ65281		7.28	92.4	4.81	5.87	0.08	0.06	0.21	0.082	0.13	24.4	13.6	0.35	865	37.3	0.01
ZZ65282		1.88	27.0	3.69	6.57	<0.05	<0.02	0.07	0.033	0.07	10.0	8.8	0.23	426	4.69	<0.01
ZZ65283		3.10	110.5	4.18	4.62	0.06	0.02	0.08	0.069	0.08	19.9	12.8	0.38	377	18.45	<0.01
ZZ65284		2.19	89.0	4.17	4.03	0.05	<0.02	0.08	0.083	0.05	15.8	7.0	0.20	183	15.40	<0.01
ZZ65285		3.45	157.5	2.88	3.88	0.05	0.04	0.11	0.046	0.06	22.7	8.9	0.25	251	8.27	0.02
ZZ65286		9.51	242	4.32	6.89	0.12	0.19	0.10	0.078	0.14	23.5	38.5	0.48	1820	8.05	0.03
ZZ65287		5.83	58.1	2.55	3.92	<0.05	<0.02	0.05	0.088	0.10	3.5	7.9	0.22	318	2.39	0.02
ZZ65288		5.82	51.0	3.24	6.04	<0.05	<0.02	0.05	0.257	0.08	6.3	10.2	0.23	473	2.83	0.02
ZZ65289		4.19	57.3	1.95	3.91	<0.05	<0.02	0.05	0.019	0.06	5.0	4.5	0.15	137	2.87	0.02
ZZ65290		4.79	78.0	3.84	5.61	<0.05	0.02	0.05	0.054	0.12	4.3	11.7	0.33	348	2.46	0.02

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65251		0.17	23.4	670	28.3	5.9	0.001	0.06	6.26	0.3	1.5	2.6	9.4	<0.01	0.05	<0.2
ZZ65252		0.56	48.8	810	80.9	6.9	0.001	0.05	19.05	2.6	2.4	7.9	20.3	<0.01	0.17	2.3
ZZ65253		0.10	3.2	350	4.7	2.5	<0.001	0.04	1.03	0.1	<0.2	0.4	6.6	<0.01	0.01	<0.2
ZZ65254		0.41	26.8	1510	38.1	9.0	0.001	0.17	6.01	0.5	4.6	1.8	27.7	<0.01	0.15	<0.2
ZZ65255		0.41	65.0	2130	203	8.1	0.002	0.15	70.2	2.2	7.9	7.9	153.0	<0.01	0.26	2.1
ZZ65256		0.66	67.6	2210	58.1	16.3	0.001	0.34	20.6	2.7	8.9	2.9	98.2	<0.01	0.27	1.3
ZZ65257		0.40	82.7	1290	36.4	11.1	0.001	0.14	8.65	4.9	10.9	9.0	85.9	0.01	0.50	2.3
ZZ65258		0.37	148.0	1210	31.7	7.9	0.002	0.11	12.50	1.2	7.4	1.3	34.1	<0.01	0.23	0.4
ZZ65259		0.42	28.8	1130	518	10.1	0.001	0.12	246	1.4	4.7	32.4	23.7	<0.01	0.20	0.6
ZZ65260		0.44	18.3	920	23.3	10.9	0.001	0.09	6.70	0.5	2.2	1.1	15.9	<0.01	0.08	<0.2
ZZ65261		0.58	22.2	600	242	6.4	0.001	0.08	90.2	0.8	2.2	10.0	12.7	<0.01	0.16	0.2
ZZ65262		0.75	11.9	450	85.3	6.6	<0.001	0.05	28.4	0.9	1.5	5.4	10.2	<0.01	0.09	0.3
ZZ65263		0.55	16.3	790	55.3	8.3	0.001	0.10	12.15	0.7	1.9	2.5	16.3	<0.01	0.11	<0.2
ZZ65264		0.07	1.5	380	3.4	2.6	<0.001	0.04	0.43	<0.1	0.2	0.2	5.0	<0.01	<0.01	<0.2
ZZ65265		0.42	9.1	310	39.7	9.0	0.002	0.03	7.40	0.3	<0.2	2.2	7.9	<0.01	0.06	<0.2
ZZ65266		0.53	20.5	580	149.0	9.4	0.002	0.06	43.6	0.7	1.9	6.2	12.3	<0.01	0.17	<0.2
ZZ65267		0.38	13.9	530	67.0	10.7	0.001	0.02	6.94	0.9	0.9	1.7	10.5	<0.01	0.08	0.2
ZZ65268		0.62	7.2	420	28.7	8.7	0.001	0.02	2.53	0.5	0.4	1.5	7.7	<0.01	0.05	<0.2
ZZ65269		0.80	20.4	630	111.0	14.6	0.002	0.06	24.9	1.6	2.2	3.4	15.7	<0.01	0.14	0.9
ZZ65270		0.56	20.4	740	52.8	10.8	0.002	0.04	5.96	1.0	1.0	1.4	8.1	<0.01	0.07	0.6
ZZ65271		1.22	14.6	290	23.0	11.2	0.002	0.02	3.19	2.3	0.6	1.2	8.2	<0.01	0.08	3.2
ZZ65272		1.07	30.4	600	71.9	13.6	0.002	0.03	18.40	2.6	1.8	2.9	12.3	<0.01	0.11	2.7
ZZ65273		0.37	4.2	220	21.5	5.8	0.001	0.02	5.11	0.3	0.3	1.0	6.0	<0.01	0.03	<0.2
ZZ65274		1.03	20.7	580	105.0	12.3	0.001	0.07	40.7	1.3	2.1	5.1	17.3	<0.01	0.14	0.7
ZZ65275		0.48	26.2	720	274	8.2	0.002	0.08	110.5	1.7	3.5	16.1	21.6	0.01	0.15	1.8
ZZ65276		0.79	56.8	1230	37.0	11.6	0.002	0.07	9.87	2.1	3.1	1.8	33.2	0.01	0.17	1.0
ZZ65277		1.01	37.5	950	34.2	12.6	0.004	0.08	8.34	1.8	7.7	2.3	31.1	<0.01	0.21	0.7
ZZ65278		0.48	17.7	490	31.0	8.1	0.002	0.05	9.63	0.6	2.4	1.7	15.5	<0.01	0.11	0.2
ZZ65279		0.62	93.6	1820	443	9.9	0.003	0.19	175.5	4.5	18.3	33.8	80.6	<0.01	0.91	3.7
ZZ65280		0.33	251	3610	40.1	6.8	0.004	0.13	34.0	5.2	9.3	1.6	102.5	0.01	0.37	8.3
ZZ65281		0.49	84.5	2610	54.9	15.5	0.004	0.24	8.89	1.4	7.5	1.5	72.6	<0.01	0.37	0.8
ZZ65282		0.84	20.9	770	31.1	11.8	0.002	0.05	2.96	1.4	0.7	1.2	15.2	<0.01	0.11	0.4
ZZ65283		0.70	68.9	1390	159.0	9.8	0.002	0.08	48.5	2.7	4.4	10.1	35.0	<0.01	0.31	1.8
ZZ65284		0.35	52.7	870	112.0	7.1	0.002	0.07	31.3	1.3	2.9	11.6	25.5	<0.01	0.41	0.5
ZZ65285		0.61	57.8	1070	63.5	7.9	0.002	0.07	15.30	1.9	2.8	6.5	26.0	<0.01	0.21	1.0
ZZ65286		1.89	146.0	960	18.6	13.3	0.006	0.13	13.50	5.9	8.2	1.4	89.9	0.02	0.20	4.1
ZZ65287		0.98	12.4	380	16.0	12.9	0.002	0.04	4.82	1.1	1.5	1.6	31.3	<0.01	0.10	0.6
ZZ65288		0.98	29.8	620	75.5	14.7	0.002	0.09	10.30	0.8	0.9	5.8	29.3	<0.01	0.14	0.2
ZZ65289		0.65	13.9	380	68.7	7.6	0.001	0.05	35.6	0.7	0.9	11.2	26.7	<0.01	0.09	0.2
ZZ65290		1.53	15.7	490	37.8	15.5	0.001	0.05	20.4	2.1	2.0	1.4	11.7	<0.01	0.12	1.5

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ65251		0.017	0.13	2.12	52	0.19	2.69	76	<0.5
ZZ65252		0.035	0.18	4.20	58	0.47	7.22	161	0.6
ZZ65253		0.013	0.05	0.29	20	0.07	0.52	16	<0.5
ZZ65254		0.013	0.33	3.58	152	0.25	5.10	128	<0.5
ZZ65255		0.023	0.29	8.87	113	0.25	17.75	348	0.9
ZZ65256		0.039	0.53	12.35	152	0.32	17.40	372	0.8
ZZ65257		0.007	0.62	9.09	86	0.27	26.3	782	1.4
ZZ65258		0.021	0.37	6.70	118	0.31	13.45	906	<0.5
ZZ65259		0.022	0.26	3.54	73	0.57	6.46	239	<0.5
ZZ65260		0.020	0.30	2.12	68	0.27	5.00	90	<0.5
ZZ65261		0.028	0.23	1.46	68	0.24	3.18	166	<0.5
ZZ65262		0.033	0.21	0.80	73	0.33	2.09	79	<0.5
ZZ65263		0.028	0.22	1.65	54	0.27	4.46	78	<0.5
ZZ65264		0.007	0.04	0.19	11	<0.05	0.33	8	<0.5
ZZ65265		0.024	0.16	0.56	45	0.20	2.23	43	<0.5
ZZ65266		0.025	0.23	1.31	74	0.37	2.89	116	<0.5
ZZ65267		0.014	0.18	0.44	64	0.15	2.68	106	<0.5
ZZ65268		0.026	0.16	0.54	56	0.24	1.81	42	<0.5
ZZ65269		0.032	0.36	1.00	75	0.23	4.76	171	<0.5
ZZ65270		0.008	0.16	0.80	42	0.11	2.99	106	1.0
ZZ65271		0.024	0.27	0.83	69	0.27	3.26	67	1.0
ZZ65272		0.019	0.26	1.13	60	0.23	4.74	151	1.1
ZZ65273		0.027	0.11	0.36	35	0.17	1.05	27	<0.5
ZZ65274		0.039	0.27	1.52	85	0.39	3.20	130	0.6
ZZ65275		0.018	0.16	3.09	37	0.27	7.50	219	1.4
ZZ65276		0.035	0.32	3.79	70	0.34	9.91	263	0.9
ZZ65277		0.047	0.49	5.51	261	0.30	6.42	270	0.8
ZZ65278		0.025	0.19	1.88	86	0.30	2.99	125	<0.5
ZZ65279		0.040	0.48	13.00	265	0.26	18.05	659	1.5
ZZ65280		0.022	0.59	25.0	105	0.41	31.6	2320	3.0
ZZ65281		0.022	0.66	10.65	221	0.28	15.50	322	1.8
ZZ65282		0.023	0.26	0.90	74	0.24	3.46	108	<0.5
ZZ65283		0.037	0.24	6.09	119	0.28	10.60	284	1.0
ZZ65284		0.023	0.19	4.62	103	0.47	6.89	215	<0.5
ZZ65285		0.028	0.26	4.96	51	0.50	13.70	159	1.4
ZZ65286		0.060	0.30	17.40	55	0.24	40.5	1120	6.6
ZZ65287		0.044	0.13	0.48	32	0.10	1.86	166	0.6
ZZ65288		0.037	0.15	0.77	50	0.20	2.44	278	<0.5
ZZ65289		0.033	0.11	0.64	33	0.10	2.66	112	<0.5
ZZ65290		0.063	0.20	0.60	54	0.11	2.06	189	1.3

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

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65291		0.18	0.014	0.39	1.97	1085	<0.2	<10	110	0.52	5.96	0.10	0.38	12.50	8.1	20
ZZ65292		0.18	0.003	0.68	1.04	473	<0.2	<10	90	0.43	1.94	0.20	0.60	7.06	3.5	12
ZZ65293		0.13	0.033	2.16	2.08	4180	<0.2	<10	130	0.80	19.65	0.29	1.10	23.7	17.0	23
ZZ65294		0.17	0.004	0.40	0.99	120.5	<0.2	<10	60	0.44	0.58	0.04	0.55	4.92	3.3	11
ZZ65295		0.23	0.022	0.40	2.26	929	<0.2	<10	150	1.06	3.78	0.13	0.47	27.4	11.7	25
ZZ65296		0.22	0.006	0.33	1.98	112.5	<0.2	<10	220	0.93	1.92	0.28	0.40	20.3	8.7	21
ZZ65297		0.23	0.099	0.43	1.64	623	<0.2	<10	80	0.64	3.23	0.08	1.43	19.60	5.9	22
ZZ65298		0.18	0.008	0.56	1.51	218	<0.2	<10	100	0.60	3.52	0.06	0.40	15.40	5.6	17
ZZ65299		0.22	0.004	0.36	1.56	526	<0.2	<10	150	0.66	8.56	0.06	1.11	20.2	6.7	28
ZZ65300		0.21	0.004	0.19	1.00	220	<0.2	<10	130	0.33	1.77	0.06	1.00	19.45	4.7	16
ZZ65301		0.24	0.008	0.45	1.44	154.0	<0.2	<10	220	0.79	1.45	0.07	0.75	25.3	12.6	21
ZZ65302		0.25	0.006	0.34	1.19	140.0	<0.2	<10	190	0.56	1.03	0.19	0.77	27.0	12.3	21
ZZ65303		0.19	0.001	0.14	0.33	2.4	<0.2	<10	30	0.07	0.05	0.04	0.37	1.83	0.8	2
ZZ65304		0.18	0.013	0.09	0.34	22.3	<0.2	<10	50	0.12	0.38	0.10	1.31	3.17	8.2	4
ZZ65305		0.20	0.016	0.41	1.09	134.5	<0.2	<10	200	0.65	1.47	0.05	1.31	23.4	11.1	20
ZZ65306		0.16	0.002	0.34	0.89	42.5	<0.2	<10	110	0.38	0.43	0.08	1.63	11.40	6.1	10
ZZ65307		0.29	0.016	3.08	0.81	327	<0.2	<10	130	0.88	1.03	0.05	7.77	58.6	16.9	13
ZZ65308		0.29	0.002	0.18	0.32	32.7	<0.2	<10	70	0.13	0.31	0.02	0.19	19.75	2.7	6
ZZ65309		0.25	0.006	0.48	0.60	16.5	<0.2	<10	230	0.56	0.22	0.07	2.14	29.2	4.6	11
ZZ65310		0.23	0.001	0.31	0.39	5.2	<0.2	<10	60	0.14	0.09	0.03	0.98	5.20	1.8	3
ZZ65311		0.21	0.004	0.36	0.76	33.7	<0.2	<10	150	0.42	0.56	0.06	3.98	31.6	15.1	17
ZZ65312		0.26	0.003	0.25	0.80	21.1	<0.2	<10	70	0.33	0.31	0.07	0.70	14.70	6.9	9
ZZ65313		0.21	0.005	0.38	0.93	33.1	<0.2	<10	160	0.54	0.56	0.05	1.08	33.7	13.3	20
ZZ65314		0.31	0.014	1.58	1.69	110.0	<0.2	<10	160	2.79	1.54	0.02	24.4	56.0	57.2	19
ZZ65315		0.25	0.150	42.2	1.13	1315	<0.2	<10	120	0.86	4.22	0.01	4.20	38.0	12.9	35
ZZ65316		0.27	0.092	24.0	0.28	2750	<0.2	<10	440	0.19	5.75	0.01	0.61	34.5	1.5	24
ZZ65317		0.26	0.011	1.82	0.54	42.5	<0.2	<10	300	0.27	0.39	0.03	0.21	47.4	2.7	12
ZZ65318		0.17	0.018	1.17	1.04	176.0	<0.2	<10	160	0.59	0.36	0.05	1.57	47.3	7.7	16
ZZ65319		0.21	0.007	0.67	0.88	118.0	<0.2	<10	100	0.46	0.45	0.03	0.81	39.1	8.0	20
ZZ65320		0.25	0.013	1.42	1.84	55.7	<0.2	<10	180	0.95	0.98	0.06	4.50	53.5	37.5	26
ZZ65321		0.20	0.003	0.66	0.51	21.3	<0.2	<10	70	0.25	0.24	0.07	1.40	7.92	2.3	6
ZZ65322		0.26	0.007	0.39	1.63	59.8	<0.2	<10	140	0.46	0.68	0.05	0.26	17.05	6.1	19
ZZ65323		0.20	0.004	0.15	1.26	33.7	<0.2	<10	100	0.29	0.54	0.04	0.36	20.5	3.9	17
ZZ65324		0.19	0.004	0.10	0.82	128.0	<0.2	<10	80	0.18	0.93	0.03	0.25	14.30	3.6	16
ZZ65325		0.30	0.004	0.30	1.68	281	<0.2	<10	210	0.47	3.00	0.06	1.29	27.8	9.6	27
ZZ65326		0.24	0.003	0.24	1.35	152.0	<0.2	<10	70	0.37	2.58	0.07	0.12	12.35	3.7	14
ZZ65327		0.21	0.002	0.22	1.53	105.0	<0.2	<10	80	0.42	0.88	0.06	0.30	20.4	4.3	22
ZZ65328		0.31	0.035	1.17	1.75	1835	<0.2	<10	150	0.71	11.25	0.07	0.80	25.2	7.8	27
ZZ65329		0.18	0.022	0.61	1.60	1095	<0.2	<10	100	0.55	7.50	0.07	0.33	16.80	5.0	16
ZZ65330		0.20	0.043	2.55	1.97	4910	<0.2	<10	240	0.70	28.8	0.13	0.87	25.9	13.0	25

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65291		6.82	142.5	5.78	6.58	0.06	0.04	0.04	0.154	0.19	6.2	11.8	0.48	553	3.06	0.01
ZZ65292		2.08	58.6	2.51	4.03	<0.05	<0.02	0.03	0.069	0.13	3.9	6.5	0.19	226	1.77	0.02
ZZ65293		7.86	320	5.95	6.35	0.06	0.02	0.04	0.130	0.17	11.9	20.4	0.58	509	20.2	0.01
ZZ65294		2.78	41.8	2.30	3.86	<0.05	0.02	0.03	0.040	0.09	2.8	9.0	0.20	93	1.61	0.02
ZZ65295		4.65	96.6	3.73	5.62	0.05	0.06	0.07	0.059	0.09	14.0	17.9	0.42	210	3.78	<0.01
ZZ65296		3.69	57.8	3.45	6.22	<0.05	0.03	0.09	0.032	0.11	10.3	19.7	0.36	184	3.35	0.01
ZZ65297		6.10	77.7	4.20	6.36	<0.05	0.02	0.04	0.066	0.10	10.5	14.6	0.34	168	5.20	0.01
ZZ65298		5.48	58.1	3.39	5.72	<0.05	0.02	0.04	0.030	0.12	8.0	10.2	0.27	177	2.88	0.01
ZZ65299		3.29	39.0	4.94	8.57	<0.05	0.02	0.04	0.038	0.12	10.9	15.9	0.31	245	4.56	<0.01
ZZ65300		1.79	32.9	3.08	6.27	<0.05	<0.02	0.04	0.043	0.10	10.8	7.4	0.19	205	4.23	0.01
ZZ65301		1.78	56.0	3.34	4.17	<0.05	0.03	0.08	0.046	0.09	12.4	20.8	0.40	419	3.43	0.01
ZZ65302		1.54	45.4	2.58	3.68	0.05	<0.02	0.05	0.034	0.08	13.5	12.6	0.40	413	2.57	0.01
ZZ65303		0.24	4.7	0.39	1.20	<0.05	<0.02	0.02	<0.005	0.02	0.9	0.3	0.01	25	0.24	0.03
ZZ65304		0.86	11.3	0.66	1.96	<0.05	<0.02	0.01	0.006	0.03	1.5	1.0	0.05	370	0.79	0.03
ZZ65305		2.60	49.8	3.37	4.69	0.05	<0.02	0.05	0.041	0.10	12.0	9.8	0.31	337	10.05	0.01
ZZ65306		1.39	18.8	1.41	3.13	<0.05	<0.02	0.04	0.021	0.04	5.7	5.1	0.16	310	3.22	0.02
ZZ65307		2.45	71.0	3.73	2.48	0.07	0.02	0.14	0.551	0.08	29.7	5.1	0.24	709	2.76	0.01
ZZ65308		1.79	16.2	1.53	2.78	<0.05	<0.02	0.02	0.027	0.05	10.8	0.8	0.03	105	6.37	0.01
ZZ65309		0.95	25.5	1.83	2.10	0.05	0.05	0.04	0.033	0.07	17.6	3.6	0.26	483	18.05	0.01
ZZ65310		0.77	6.6	0.69	1.76	<0.05	<0.02	0.02	0.020	0.02	2.7	0.7	0.03	142	0.94	0.03
ZZ65311		3.40	39.2	4.03	5.19	0.05	<0.02	0.02	0.061	0.10	16.7	3.4	0.14	757	8.04	0.01
ZZ65312		2.65	21.8	2.22	2.88	<0.05	<0.02	0.03	0.033	0.06	7.0	1.9	0.09	600	2.25	0.02
ZZ65313		12.95	53.2	5.91	5.11	0.05	<0.02	0.05	0.076	0.11	17.8	2.7	0.12	997	5.77	0.01
ZZ65314		9.16	185.5	7.99	4.02	0.09	0.05	0.12	0.638	0.10	26.7	8.6	0.35	3100	5.47	0.01
ZZ65315		3.71	286	14.90	5.67	0.10	0.08	0.16	3.72	0.12	20.3	3.4	0.13	926	4.70	0.01
ZZ65316		0.69	63.6	6.39	4.31	0.08	<0.02	0.14	1.075	0.20	24.8	0.7	0.03	64	4.80	0.01
ZZ65317		2.89	18.7	3.19	3.39	0.05	<0.02	0.09	0.053	0.20	24.9	2.1	0.07	148	5.14	0.02
ZZ65318		1.64	31.2	3.45	4.29	0.05	<0.02	0.09	0.048	0.10	24.5	5.4	0.13	476	2.68	0.01
ZZ65319		2.33	67.4	4.04	2.94	0.06	<0.02	0.11	0.047	0.07	19.5	5.0	0.16	334	3.29	0.01
ZZ65320		4.64	133.5	5.70	4.70	0.09	0.03	0.07	0.072	0.10	27.5	17.9	0.58	1180	16.50	0.01
ZZ65321		0.79	17.1	1.38	2.31	<0.05	<0.02	0.04	0.017	0.04	4.5	2.2	0.07	118	6.63	0.03
ZZ65322		2.63	58.9	2.88	5.52	<0.05	<0.02	0.06	0.024	0.07	8.6	10.0	0.24	278	3.59	0.02
ZZ65323		2.12	24.3	2.11	5.98	<0.05	<0.02	0.04	0.019	0.05	11.2	6.8	0.11	285	2.31	0.01
ZZ65324		1.86	16.8	3.22	6.02	<0.05	<0.02	0.04	0.018	0.07	7.4	3.4	0.15	127	6.00	0.01
ZZ65325		3.79	38.4	4.05	7.92	<0.05	<0.02	0.04	0.051	0.08	15.6	8.7	0.26	551	11.25	0.01
ZZ65326		2.00	36.9	2.16	4.45	<0.05	<0.02	0.04	0.016	0.06	5.9	6.7	0.24	171	1.71	0.02
ZZ65327		3.24	43.7	2.98	6.28	<0.05	<0.02	0.04	0.027	0.08	10.2	8.4	0.28	190	3.25	0.02
ZZ65328		4.48	105.0	5.78	6.30	0.07	<0.02	0.06	0.280	0.16	13.6	15.4	0.50	288	3.68	0.01
ZZ65329		3.92	135.0	3.36	4.21	<0.05	<0.02	0.06	0.045	0.11	8.6	9.4	0.32	154	2.51	0.02
ZZ65330		3.75	217	5.92	5.47	0.06	<0.02	0.07	0.168	0.22	14.2	15.8	0.54	392	3.77	0.02

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65291		1.49	19.4	950	19.5	25.9	0.001	0.12	12.15	2.9	4.6	1.7	14.3	<0.01	0.22	2.1
ZZ65292		0.81	14.8	620	18.9	20.8	0.001	0.06	5.52	0.9	1.0	2.7	21.3	<0.01	0.10	0.2
ZZ65293		1.57	33.7	820	83.3	18.6	0.003	0.15	73.3	2.8	4.1	13.9	31.3	0.01	0.37	1.9
ZZ65294		1.27	9.1	250	20.8	12.7	0.001	0.04	3.98	1.5	1.5	1.2	11.9	<0.01	0.12	1.1
ZZ65295		1.20	47.7	500	38.1	13.9	0.003	0.05	7.83	3.4	2.5	3.1	33.7	0.01	0.25	3.7
ZZ65296		1.10	35.4	680	16.5	15.3	0.002	0.07	3.33	2.5	1.8	1.0	34.0	0.03	0.23	1.4
ZZ65297		1.48	26.1	590	92.8	13.5	0.002	0.08	53.7	1.9	1.8	5.3	17.6	<0.01	0.24	1.1
ZZ65298		1.32	20.0	580	12.1	15.3	0.002	0.06	3.36	1.8	2.1	0.9	18.1	<0.01	0.35	1.2
ZZ65299		1.53	21.1	450	27.6	22.1	0.002	0.05	7.83	2.3	1.3	1.8	12.8	<0.01	0.25	1.8
ZZ65300		1.09	15.6	410	27.1	14.0	0.002	0.03	9.85	1.8	1.1	1.8	12.4	<0.01	0.12	1.2
ZZ65301		0.67	34.4	510	31.9	9.4	0.001	0.02	7.08	3.1	1.1	1.3	14.3	<0.01	0.11	2.9
ZZ65302		0.83	35.6	710	21.5	8.4	<0.001	0.01	6.23	2.5	0.6	0.9	18.3	<0.01	0.06	1.6
ZZ65303		0.23	1.5	260	1.2	1.4	<0.001	0.01	0.15	0.1	<0.2	0.2	7.7	<0.01	0.01	<0.2
ZZ65304		0.20	4.6	310	4.2	4.3	<0.001	0.02	0.54	0.1	0.2	0.3	12.2	<0.01	0.02	<0.2
ZZ65305		0.85	33.2	620	21.8	13.7	0.002	0.11	8.11	1.5	1.8	1.2	25.1	<0.01	0.13	0.5
ZZ65306		0.27	15.1	800	13.3	7.6	0.001	0.08	2.23	0.3	0.8	0.5	11.9	<0.01	0.04	<0.2
ZZ65307		0.18	44.6	540	691	5.6	0.001	0.12	64.6	3.7	2.8	3.8	28.9	<0.01	0.08	5.0
ZZ65308		0.17	13.3	430	23.9	7.3	<0.001	0.04	4.42	0.2	0.5	0.9	7.5	<0.01	0.07	<0.2
ZZ65309		0.09	32.2	870	30.4	6.2	0.010	0.05	5.47	1.0	2.4	0.4	43.6	<0.01	0.13	0.7
ZZ65310		0.15	4.2	470	17.0	2.3	<0.001	0.04	1.06	0.1	0.2	0.3	7.0	<0.01	0.01	<0.2
ZZ65311		0.65	34.7	600	47.7	16.4	0.001	0.05	6.31	1.2	1.5	1.0	20.9	<0.01	0.14	0.4
ZZ65312		0.21	13.4	770	25.8	8.3	<0.001	0.06	3.26	0.3	0.6	0.8	10.3	<0.01	0.05	<0.2
ZZ65313		0.30	31.3	1260	61.3	18.2	<0.001	0.10	4.60	0.7	1.5	1.1	13.7	<0.01	0.15	<0.2
ZZ65314		0.39	140.5	1450	212	8.8	0.001	0.16	25.4	7.6	4.7	1.8	25.2	<0.01	0.23	7.2
ZZ65315		0.37	43.9	1750	6080	8.6	<0.001	0.53	266	7.5	14.5	21.9	45.3	<0.01	0.79	7.0
ZZ65316		0.12	14.5	1860	6250	8.7	0.001	0.54	346	8.5	18.0	39.7	97.2	<0.01	0.59	7.6
ZZ65317		0.27	9.1	740	66.4	14.2	<0.001	0.38	17.55	0.9	2.6	0.9	47.1	<0.01	0.13	0.9
ZZ65318		0.55	28.4	810	222	11.2	0.001	0.14	53.6	1.2	1.0	1.8	23.1	<0.01	0.08	1.0
ZZ65319		0.33	25.8	940	104.5	6.8	0.001	0.10	24.8	2.3	3.4	1.1	22.7	<0.01	0.08	2.6
ZZ65320		0.49	159.0	1280	65.0	9.7	0.001	0.12	26.4	4.4	5.6	1.0	29.2	<0.01	0.11	2.2
ZZ65321		0.21	11.9	670	17.9	2.9	0.001	0.08	5.04	0.2	0.9	0.9	15.5	<0.01	0.05	<0.2
ZZ65322		0.99	15.2	630	19.5	11.3	<0.001	0.05	3.38	1.4	1.4	0.9	11.9	<0.01	0.08	0.5
ZZ65323		0.51	9.7	560	14.6	10.8	0.001	0.04	1.86	0.4	0.5	1.1	8.1	<0.01	0.05	<0.2
ZZ65324		0.95	13.0	500	18.3	14.3	<0.001	0.04	4.41	1.2	0.7	1.0	8.0	<0.01	0.10	0.4
ZZ65325		0.55	27.5	870	52.7	15.5	<0.001	0.05	11.55	0.8	3.2	2.6	23.1	<0.01	0.20	<0.2
ZZ65326		0.31	9.9	750	10.6	7.3	<0.001	0.06	1.57	0.5	1.1	0.6	9.2	<0.01	0.06	<0.2
ZZ65327		0.67	14.1	690	27.4	10.2	<0.001	0.06	5.46	0.7	1.2	1.3	10.8	<0.01	0.07	<0.2
ZZ65328		1.16	22.3	700	543	17.2	0.001	0.11	384	2.4	3.7	27.1	16.6	<0.01	0.37	1.3
ZZ65329		0.59	15.4	940	82.1	11.3	<0.001	0.13	29.0	0.9	1.8	4.0	16.6	<0.01	0.28	0.2
ZZ65330		1.00	27.9	1110	268	18.9	0.001	0.18	85.6	2.5	3.6	15.5	27.9	<0.01	0.44	1.3

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VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ65291		0.072	0.34	0.87	58	0.12	3.39	155	1.4
ZZ65292		0.034	0.14	0.43	38	0.11	1.42	111	<0.5
ZZ65293		0.056	0.25	4.27	57	0.29	6.93	157	0.9
ZZ65294		0.049	0.15	0.33	34	0.11	1.20	139	1.0
ZZ65295		0.036	0.27	1.72	56	0.28	6.72	136	2.2
ZZ65296		0.019	0.23	1.12	57	0.21	4.99	125	0.9
ZZ65297		0.048	0.21	1.42	58	0.23	4.43	271	0.7
ZZ65298		0.058	0.30	0.76	56	0.17	3.03	89	0.8
ZZ65299		0.046	0.28	0.77	89	0.30	3.44	148	0.7
ZZ65300		0.037	0.21	0.67	76	0.24	2.84	134	<0.5
ZZ65301		0.016	0.26	0.93	48	0.34	6.42	163	1.1
ZZ65302		0.040	0.19	1.07	42	0.33	6.34	141	<0.5
ZZ65303		0.018	0.03	0.17	9	<0.05	0.39	8	<0.5
ZZ65304		0.019	0.03	0.25	16	0.08	0.52	32	<0.5
ZZ65305		0.041	0.47	1.63	71	0.28	4.25	187	0.5
ZZ65306		0.018	0.17	1.23	33	0.14	2.88	87	<0.5
ZZ65307		0.005	0.40	2.76	30	0.05	9.27	503	1.3
ZZ65308		0.011	0.17	0.49	56	0.17	1.78	98	<0.5
ZZ65309		<0.005	0.90	2.28	149	0.06	11.10	224	1.2
ZZ65310		0.012	0.06	0.34	15	0.05	1.02	29	<0.5
ZZ65311		0.037	0.32	1.01	83	0.15	3.38	297	<0.5
ZZ65312		0.021	0.18	0.58	33	0.09	2.08	95	<0.5
ZZ65313		0.017	0.33	1.29	75	0.12	4.29	255	<0.5
ZZ65314		0.018	0.55	3.68	51	0.09	20.9	1810	3.1
ZZ65315		0.009	0.41	3.30	100	0.08	6.98	819	6.8
ZZ65316		0.006	0.61	1.82	57	0.06	2.47	181	0.7
ZZ65317		0.018	0.67	0.76	37	0.13	2.59	69	<0.5
ZZ65318		0.019	0.43	1.44	51	0.19	5.06	243	<0.5
ZZ65319		0.013	0.95	2.42	50	0.14	6.13	163	0.5
ZZ65320		0.026	0.96	5.16	80	0.25	18.65	633	1.1
ZZ65321		0.016	0.25	1.57	57	0.07	2.24	114	<0.5
ZZ65322		0.030	0.30	0.95	56	0.24	3.07	69	<0.5
ZZ65323		0.022	0.19	0.69	56	0.25	2.20	50	<0.5
ZZ65324		0.045	0.23	0.67	77	0.27	1.88	73	<0.5
ZZ65325		0.028	0.42	1.68	113	0.30	4.35	218	<0.5
ZZ65326		0.029	0.16	0.74	34	0.14	2.56	40	<0.5
ZZ65327		0.040	0.25	1.08	59	0.24	3.25	65	<0.5
ZZ65328		0.062	0.33	1.35	66	0.47	4.41	196	0.6
ZZ65329		0.034	0.20	1.01	37	0.41	4.16	82	<0.5
ZZ65330		0.052	0.38	1.67	56	0.26	5.56	146	0.5

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Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65331		0.23	0.050	2.00	2.05	3230	<0.2	<10	170	0.79	18.20	0.12	0.68	37.9	9.3	28
ZZ65332		0.29	0.030	1.49	0.76	1455	<0.2	<10	110	0.43	7.83	0.07	1.71	23.1	10.0	13
ZZ65333		0.26	0.044	2.61	0.85	870	<0.2	<10	150	0.41	7.19	0.03	0.42	37.5	4.9	22
ZZ65334		0.22	0.011	1.31	1.33	1560	<0.2	<10	150	0.28	39.8	0.05	0.63	39.0	3.9	19
ZZ65335		0.20	0.003	0.11	0.22	20.4	<0.2	<10	20	<0.05	0.65	0.04	0.07	1.83	0.9	2
ZZ65336		0.24	0.013	2.29	1.11	848	<0.2	<10	130	0.37	19.25	0.08	0.90	21.3	6.9	17
ZZ65337		0.29	0.023	1.27	1.07	1015	<0.2	<10	90	0.43	14.95	0.10	0.80	23.1	8.6	13
ZZ65338		0.28	0.015	0.92	2.02	1030	<0.2	<10	140	0.76	11.80	0.20	0.72	40.5	12.0	16
ZZ65339		0.25	0.021	1.10	0.99	700	<0.2	<10	110	0.48	8.45	0.10	1.03	25.9	8.5	10
ZZ65340		0.29	0.008	0.70	1.38	499	<0.2	<10	140	0.46	7.40	0.11	0.51	20.9	8.0	19
ZZ65341		0.21	0.027	0.67	1.02	699	<0.2	<10	150	0.37	5.86	0.15	0.81	24.1	10.2	15
ZZ65342		0.23	0.009	0.66	1.73	181.5	<0.2	<10	210	0.99	3.57	0.08	0.41	23.3	5.6	24
ZZ65343		0.20	0.014	0.63	2.04	188.0	<0.2	<10	170	1.01	1.08	0.07	0.66	25.6	22.3	26
ZZ65344		0.23	0.024	0.85	2.03	257	<0.2	<10	170	0.97	1.34	0.11	0.58	29.6	14.6	26
ZZ65345		0.27	0.006	0.61	1.87	172.5	<0.2	<10	170	1.32	2.32	0.06	0.61	25.3	10.6	24
ZZ65346		0.26	0.026	0.46	1.27	446	<0.2	<10	150	0.85	4.94	0.06	0.32	21.6	6.8	17
ZZ65347		0.26	0.020	0.65	1.20	544	<0.2	<10	130	0.52	9.94	0.04	0.24	22.7	4.2	25
ZZ65348		0.26	0.061	1.51	0.96	3230	<0.2	<10	140	0.68	18.10	0.04	0.79	31.7	6.2	21
ZZ65349		0.26	0.025	0.76	0.86	206	<0.2	<10	400	0.78	3.06	0.02	0.29	39.7	3.6	16
ZZ65350		0.20	0.012	0.38	0.36	77.6	<0.2	<10	270	0.38	1.05	0.02	0.27	38.7	1.5	9
ZZ65351		0.20	0.014	0.38	0.35	68.0	<0.2	<10	210	0.29	0.66	0.02	0.26	34.4	1.4	10
ZZ65352		0.26	0.041	1.06	0.74	205	<0.2	<10	390	0.79	1.25	0.05	0.35	52.1	3.9	11
ZZ65353		0.27	0.042	0.87	2.19	147.0	<0.2	<10	430	3.17	1.45	0.21	6.00	45.3	38.9	25
ZZ65354		0.21	0.029	1.64	1.96	1285	<0.2	<10	190	1.08	4.79	0.05	0.89	39.0	11.9	29
ZZ65355		0.24	0.038	3.39	0.94	1300	<0.2	<10	360	0.67	27.7	0.01	0.32	23.6	4.2	26
ZZ65356		0.26	0.021	0.81	2.10	293	<0.2	<10	350	1.13	3.45	0.07	0.57	44.5	15.9	31
ZZ65357		0.24	0.011	0.37	1.73	138.0	<0.2	<10	170	0.89	1.52	0.07	0.52	37.8	18.9	23
ZZ65358		0.29	0.013	0.35	1.51	199.0	<0.2	<10	150	0.66	2.73	0.06	0.42	31.6	10.8	20
ZZ65359		0.29	0.040	0.70	1.46	1020	<0.2	<10	210	0.80	12.35	0.04	0.43	34.9	9.6	22
ZZ65360		0.18	0.017	0.93	1.60	259	<0.2	<10	230	0.74	2.30	0.37	2.92	41.2	14.4	22
ZZ65361		0.16	0.003	0.20	0.60	27.7	<0.2	<10	180	0.09	0.29	0.01	0.20	6.81	1.4	5
ZZ65362		0.14	0.003	0.16	0.51	5.0	<0.2	<10	20	0.07	0.10	0.02	0.05	2.68	0.7	3
ZZ65363		0.20	0.016	0.23	1.52	128.0	<0.2	<10	120	0.48	1.18	0.09	0.47	24.8	8.3	23
ZZ65364		0.17	0.019	0.42	1.48	452	<0.2	<10	80	0.51	11.35	0.06	0.28	22.7	6.3	21
ZZ65365		0.13	0.011	0.46	2.42	566	<0.2	<10	150	0.76	2.73	0.11	0.25	27.0	8.5	30
ZZ65366		0.15	0.061	0.36	1.65	746	<0.2	<10	110	0.56	4.67	0.10	0.28	28.7	11.9	22
ZZ65367		0.23	0.011	0.48	2.48	107.5	<0.2	<10	140	0.98	0.84	0.17	0.62	31.0	18.1	28
ZZ65368		0.24	0.015	3.20	0.55	1965	<0.2	<10	90	0.16	4.03	0.04	0.90	13.45	2.3	7
ZZ65369		0.12	0.022	0.57	0.37	68.6	<0.2	<10	20	0.08	0.28	0.04	0.78	3.09	1.3	2
ZZ65370		0.27	0.047	2.05	1.55	2050	<0.2	<10	240	0.72	7.07	0.09	1.71	37.3	10.1	25

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65331		5.96	193.0	7.13	6.55	0.07	<0.02	0.06	0.062	0.20	21.2	18.3	0.57	316	5.06	0.02
ZZ65332		3.32	138.0	4.42	2.85	0.05	<0.02	0.06	0.035	0.06	13.2	7.4	0.19	432	5.44	0.01
ZZ65333		5.90	269	12.80	4.10	0.09	<0.02	0.06	0.022	0.12	19.5	5.2	0.19	219	6.06	0.02
ZZ65334		11.65	191.5	5.20	9.19	0.08	<0.02	0.10	0.154	0.11	20.6	9.3	0.56	173	3.12	0.01
ZZ65335		0.30	6.3	0.45	1.02	<0.05	<0.02	0.01	0.005	0.02	1.0	0.2	0.02	17	0.99	0.03
ZZ65336		4.30	115.0	2.99	4.70	0.05	<0.02	0.07	0.063	0.07	12.4	7.4	0.24	248	16.60	0.01
ZZ65337		2.73	178.5	2.76	3.95	0.06	0.02	0.02	0.066	0.05	13.3	9.6	0.38	230	13.70	0.02
ZZ65338		2.72	117.5	3.13	6.19	0.08	0.05	0.03	0.052	0.06	19.9	13.5	0.53	415	6.30	0.04
ZZ65339		2.12	118.5	2.41	3.30	0.06	0.03	0.05	0.045	0.05	14.4	8.0	0.28	344	10.05	0.03
ZZ65340		2.32	91.9	2.63	4.39	0.06	0.02	0.04	0.039	0.06	10.9	9.9	0.33	268	8.74	0.04
ZZ65341		2.44	84.1	2.80	3.53	0.07	0.02	0.05	0.033	0.07	11.7	8.5	0.31	451	12.40	0.04
ZZ65342		5.12	152.5	9.38	6.33	0.11	0.04	0.04	0.081	0.14	12.3	17.7	0.50	223	29.5	0.05
ZZ65343		6.39	162.0	6.61	6.00	0.09	0.02	0.15	0.056	0.14	12.6	22.8	0.56	597	7.77	0.03
ZZ65344		6.30	179.0	6.45	5.88	0.10	0.03	0.09	0.062	0.14	15.0	20.8	0.55	427	10.50	0.03
ZZ65345		5.14	145.5	7.71	5.72	0.08	0.02	0.07	0.085	0.10	13.8	18.7	0.49	395	26.8	0.04
ZZ65346		3.90	128.5	7.12	4.76	0.09	0.04	0.04	0.064	0.10	11.2	13.3	0.33	223	21.4	0.04
ZZ65347		4.58	134.5	10.40	6.10	0.15	<0.02	0.04	0.064	0.08	12.0	9.2	0.32	190	20.7	0.02
ZZ65348		4.00	124.0	10.50	5.34	0.19	0.03	0.06	0.399	0.07	15.1	9.3	0.27	269	18.30	<0.01
ZZ65349		6.39	138.0	7.71	4.71	0.19	0.06	0.05	0.116	0.14	23.5	11.2	0.21	121	83.1	0.02
ZZ65350		3.71	38.6	3.01	3.76	0.09	<0.02	0.05	0.067	0.07	24.7	2.5	0.03	49	52.8	0.01
ZZ65351		4.73	26.0	2.79	2.66	0.08	<0.02	0.06	0.040	0.10	21.7	2.4	0.03	31	37.1	0.01
ZZ65352		5.64	74.7	4.53	3.78	0.14	0.06	0.05	0.104	0.16	30.5	8.7	0.13	152	83.3	0.02
ZZ65353		8.76	174.5	6.58	7.59	0.20	0.12	0.14	0.094	0.18	21.8	68.3	1.63	1010	47.4	0.02
ZZ65354		8.04	198.5	16.95	8.33	0.37	0.04	0.07	0.099	0.16	18.0	24.4	0.50	553	38.9	<0.01
ZZ65355		4.08	207	17.60	5.58	0.33	0.03	0.07	0.197	0.18	12.3	6.8	0.17	137	72.0	0.01
ZZ65356		6.54	182.0	11.45	8.74	0.27	0.06	0.03	0.090	0.31	21.5	30.8	0.72	695	22.3	0.01
ZZ65357		6.09	85.6	5.85	6.03	0.13	0.02	0.03	0.054	0.13	18.0	20.5	0.46	845	8.18	0.01
ZZ65358		5.81	90.3	5.49	5.97	0.12	<0.02	0.04	0.049	0.09	15.9	14.3	0.29	604	12.90	<0.01
ZZ65359		4.99	130.5	7.63	5.43	0.19	0.04	0.05	0.069	0.15	17.4	20.5	0.53	427	17.35	<0.01
ZZ65360		3.03	91.7	3.31	5.14	0.10	0.03	0.11	0.052	0.09	20.0	24.7	0.50	423	4.44	<0.01
ZZ65361		0.93	12.1	0.96	3.92	<0.05	<0.02	0.02	0.008	0.02	3.6	0.8	0.03	61	1.30	0.01
ZZ65362		0.42	8.5	0.53	1.86	<0.05	<0.02	0.02	<0.005	0.03	1.4	0.5	0.02	20	0.29	0.02
ZZ65363		2.58	55.1	2.94	5.57	0.07	<0.02	0.05	0.032	0.08	11.6	13.6	0.36	314	2.86	0.01
ZZ65364		3.90	109.5	4.77	6.07	0.09	0.02	0.05	0.030	0.08	11.4	15.1	0.38	162	3.52	<0.01
ZZ65365		9.32	177.0	6.00	7.87	0.13	0.03	0.09	0.032	0.18	12.9	23.8	0.65	269	4.17	<0.01
ZZ65366		6.50	146.5	4.84	6.27	0.12	0.02	0.11	0.033	0.12	13.6	16.9	0.54	213	4.83	<0.01
ZZ65367		5.79	145.5	4.33	5.65	0.12	0.04	0.12	0.057	0.12	14.5	20.8	0.50	481	5.08	<0.01
ZZ65368		1.89	70.2	2.40	2.51	<0.05	<0.02	0.05	0.209	0.07	7.3	1.8	0.05	102	17.65	0.01
ZZ65369		0.41	12.3	0.49	1.61	<0.05	<0.02	0.03	0.011	0.02	1.6	0.4	0.02	83	2.12	0.03
ZZ65370		7.75	187.0	4.72	5.47	0.08	<0.02	0.06	0.111	0.17	18.3	18.2	0.59	294	8.74	0.01

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65331		0.86	29.8	1220	421	18.6	0.002	0.23	131.5	2.5	5.7	12.0	29.9	<0.01	0.38	1.4
ZZ65332		0.32	33.1	720	503	6.5	<0.001	0.09	222	1.6	2.8	21.2	17.6	<0.01	0.22	1.2
ZZ65333		0.53	20.3	2270	972	7.8	0.002	0.39	398	3.2	9.1	45.2	36.3	<0.01	0.42	4.9
ZZ65334		1.10	16.6	600	141.5	15.3	0.001	0.11	51.7	1.6	3.3	12.0	13.5	<0.01	0.10	1.5
ZZ65335		0.15	2.7	350	2.9	0.9	<0.001	0.03	0.76	0.1	<0.2	0.4	7.6	<0.01	0.02	<0.2
ZZ65336		0.32	64.9	1180	94.0	10.6	0.001	0.05	25.3	0.8	2.6	10.4	18.8	<0.01	0.10	0.4
ZZ65337		0.39	63.9	630	65.5	8.2	0.002	0.05	17.90	1.8	1.8	6.1	10.6	<0.01	0.08	1.1
ZZ65338		0.71	38.4	850	66.4	9.6	0.002	0.06	14.60	3.1	1.2	3.6	18.6	0.01	0.08	2.9
ZZ65339		0.46	51.8	630	106.0	7.2	0.002	0.04	31.3	2.4	1.1	4.8	13.0	<0.01	0.07	2.7
ZZ65340		0.41	40.5	790	55.2	10.2	0.001	0.07	9.17	1.3	1.9	2.7	18.2	<0.01	0.09	0.4
ZZ65341		0.43	45.7	1230	39.9	8.5	0.002	0.07	7.14	1.9	3.0	1.4	20.1	<0.01	0.15	1.0
ZZ65342		0.95	35.3	1970	37.1	13.7	0.002	0.32	7.33	3.6	13.6	0.7	91.6	0.01	0.50	3.2
ZZ65343		0.94	47.4	1230	28.4	14.9	0.002	0.15	3.92	2.7	5.6	0.6	67.0	<0.01	0.15	1.0
ZZ65344		1.02	56.5	1650	35.0	16.1	0.002	0.14	4.53	3.3	7.0	0.7	73.3	0.01	0.24	2.0
ZZ65345		0.71	43.3	1580	39.7	13.0	0.002	0.18	9.55	2.5	10.7	0.9	66.4	<0.01	0.38	1.4
ZZ65346		0.79	31.3	1300	25.9	11.4	0.002	0.18	9.13	2.9	9.6	0.6	48.2	<0.01	0.30	2.6
ZZ65347		0.72	24.7	1840	33.7	11.0	0.001	0.18	9.68	2.5	9.7	0.8	29.9	<0.01	0.36	1.5
ZZ65348		0.78	30.0	1750	151.5	9.2	0.001	0.18	35.7	4.4	10.0	4.9	36.9	<0.01	0.49	2.4
ZZ65349		0.66	22.6	1880	39.1	12.4	0.002	0.33	20.8	3.1	16.6	1.1	97.3	<0.01	0.59	5.2
ZZ65350		0.12	11.9	1150	19.3	6.4	0.001	0.18	19.05	0.4	4.4	1.2	49.7	<0.01	0.22	<0.2
ZZ65351		0.13	8.4	1520	14.3	8.9	0.001	0.23	11.85	0.4	4.3	1.0	41.3	<0.01	0.19	<0.2
ZZ65352		0.41	25.9	1670	37.6	13.8	0.001	0.30	32.4	2.6	9.5	1.2	93.8	<0.01	0.37	4.6
ZZ65353		0.98	177.0	1960	40.6	22.6	0.003	0.22	16.15	7.4	8.6	1.6	73.3	0.01	0.33	5.1
ZZ65354		1.36	58.6	2330	87.8	19.2	0.002	0.41	10.10	7.0	23.3	0.7	22.1	0.01	0.66	4.9
ZZ65355		0.73	24.3	3210	408	18.0	0.006	0.49	21.7	5.1	25.7	4.8	77.0	0.01	0.57	3.9
ZZ65356		1.79	48.2	1570	65.0	32.4	0.002	0.26	6.39	6.7	11.0	0.8	32.4	0.01	0.41	6.9
ZZ65357		0.92	45.2	1270	30.3	15.8	0.001	0.13	3.62	3.2	3.7	0.8	20.3	<0.01	0.18	2.1
ZZ65358		0.62	30.6	1210	37.7	12.9	0.001	0.09	5.50	1.8	4.5	0.9	20.5	0.01	0.20	0.6
ZZ65359		1.09	36.7	1220	48.2	15.4	0.001	0.14	12.70	4.0	7.9	1.3	50.6	<0.01	0.42	3.9
ZZ65360		0.91	38.9	1050	90.2	13.8	0.002	0.06	39.7	3.4	3.1	6.5	37.3	0.01	0.23	2.2
ZZ65361		0.24	3.5	410	6.1	4.7	<0.001	0.05	2.15	0.3	0.3	0.5	5.8	<0.01	0.04	<0.2
ZZ65362		0.22	1.2	320	2.1	2.2	<0.001	0.04	0.35	0.2	0.3	<0.2	6.9	<0.01	0.02	<0.2
ZZ65363		0.72	20.2	780	35.1	12.8	<0.001	0.06	13.80	1.5	1.4	1.7	14.6	<0.01	0.12	0.3
ZZ65364		1.16	21.0	660	65.0	10.9	0.001	0.09	30.4	2.3	3.0	2.9	16.0	<0.01	0.43	1.6
ZZ65365		1.60	29.7	1080	21.8	22.8	0.001	0.18	5.88	3.4	4.2	1.3	31.4	0.01	0.24	2.0
ZZ65366		0.93	30.2	1120	24.7	14.4	0.001	0.12	8.66	2.3	3.7	1.3	41.6	<0.01	0.73	0.8
ZZ65367		1.59	51.3	1220	34.6	14.7	0.001	0.09	13.35	3.1	3.1	1.0	19.8	0.01	0.12	2.4
ZZ65368		0.13	22.0	650	603	7.0	0.002	0.14	198.5	0.2	3.3	19.8	13.6	<0.01	0.20	<0.2
ZZ65369		0.16	5.3	440	40.5	1.3	<0.001	0.05	8.36	0.1	0.5	0.9	8.2	<0.01	0.01	<0.2
ZZ65370		0.93	45.5	750	532	18.1	0.001	0.16	223	3.0	3.9	23.0	35.1	<0.01	0.33	1.8

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ65331		0.050	0.42	2.57	64	0.60	9.02	180	0.5
ZZ65332		0.018	0.18	1.99	40	0.17	6.05	266	<0.5
ZZ65333		0.022	0.17	3.05	50	0.21	8.33	373	1.0
ZZ65334		0.060	0.45	1.20	46	0.24	5.04	151	0.5
ZZ65335		0.015	0.04	0.44	15	<0.05	0.37	9	<0.5
ZZ65336		0.017	0.27	4.84	149	0.25	5.18	173	<0.5
ZZ65337		0.020	0.16	4.34	91	0.19	7.12	140	1.0
ZZ65338		0.036	0.14	3.62	71	0.37	8.56	129	1.2
ZZ65339		0.026	0.14	4.05	60	0.31	7.46	163	0.8
ZZ65340		0.032	0.21	2.48	82	0.27	5.05	113	<0.5
ZZ65341		0.038	0.27	4.50	82	0.41	7.95	127	0.5
ZZ65342		0.057	0.45	6.87	115	0.33	7.67	154	1.8
ZZ65343		0.050	0.24	3.01	68	0.29	10.25	192	0.7
ZZ65344		0.055	0.31	4.40	67	0.32	13.35	210	1.5
ZZ65345		0.048	0.39	5.71	87	0.33	8.09	225	0.8
ZZ65346		0.039	0.28	3.86	62	0.28	6.02	158	2.2
ZZ65347		0.043	0.31	3.76	88	0.30	5.47	127	0.7
ZZ65348		0.036	0.27	5.26	64	0.35	9.51	242	1.0
ZZ65349		0.028	1.00	10.75	123	0.60	7.68	135	3.3
ZZ65350		0.007	0.61	4.68	113	0.49	6.00	59	<0.5
ZZ65351		0.005	0.45	3.32	77	0.38	4.69	54	<0.5
ZZ65352		0.017	1.61	9.72	90	0.68	11.20	141	3.9
ZZ65353		0.048	1.92	15.80	270	0.37	30.6	601	5.0
ZZ65354		0.045	0.56	12.60	150	0.44	12.55	375	1.3
ZZ65355		0.037	1.29	14.00	174	0.61	5.82	205	1.0
ZZ65356		0.062	0.60	6.15	108	0.41	10.40	226	2.3
ZZ65357		0.045	0.26	4.02	63	0.29	7.64	173	<0.5
ZZ65358		0.031	0.29	3.68	84	0.28	6.29	144	<0.5
ZZ65359		0.038	0.38	4.86	76	0.28	8.66	166	1.5
ZZ65360		0.034	0.25	3.41	56	0.65	10.55	274	0.6
ZZ65361		0.017	0.10	0.33	29	0.14	0.82	24	<0.5
ZZ65362		0.017	0.04	0.26	12	<0.05	0.51	7	<0.5
ZZ65363		0.040	0.23	1.04	52	0.47	4.33	93	<0.5
ZZ65364		0.046	0.24	1.05	57	0.39	4.10	87	0.5
ZZ65365		0.065	0.41	1.56	70	0.42	6.11	90	0.7
ZZ65366		0.048	0.32	1.59	58	0.60	6.44	80	0.5
ZZ65367		0.060	0.32	1.60	59	0.48	7.27	198	1.1
ZZ65368		0.012	0.19	2.49	59	0.23	2.03	144	<0.5
ZZ65369		0.012	0.08	1.06	14	0.05	1.17	23	<0.5
ZZ65370		0.055	0.50	3.32	64	0.17	8.19	325	0.7

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CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65371		0.14	0.012	0.52	1.11	162.0	<0.2	<10	180	0.70	1.62	0.07	0.65	36.6	10.1	16
ZZ65372		0.21	0.006	0.28	2.53	947	<0.2	<10	60	0.97	12.05	0.10	0.47	30.2	8.3	14
ZZ65373		0.17	0.026	2.13	1.72	1390	<0.2	<10	120	1.01	12.20	0.18	2.23	48.2	20.0	14
ZZ65374		0.25	0.008	1.18	0.82	761	<0.2	<10	70	0.37	8.60	0.05	0.75	16.60	6.1	11
ZZ65375		0.26	0.008	1.44	0.87	739	<0.2	<10	100	0.35	13.75	0.07	0.70	23.7	6.5	14
ZZ65376		0.14	0.017	0.50	1.34	1550	<0.2	<10	220	0.62	8.66	0.10	1.17	29.9	4.7	17
ZZ65377		0.27	0.010	0.49	1.41	1345	<0.2	<10	250	0.85	7.53	0.13	1.41	30.0	6.9	16
ZZ65378		0.27	0.043	0.73	1.56	443	<0.2	<10	250	1.20	4.52	0.12	1.13	28.6	5.3	16
ZZ65379		0.26	0.022	1.06	2.17	270	<0.2	10	340	2.06	6.25	0.16	2.84	36.3	17.3	22
ZZ65380		0.28	0.017	1.39	2.24	314	<0.2	10	200	1.51	9.29	0.14	1.82	33.7	12.1	25
ZZ65381		0.29	0.021	0.34	1.64	153.5	<0.2	<10	80	0.58	3.10	0.11	0.24	23.0	9.4	21
ZZ65382		0.33	0.018	0.88	2.42	292	<0.2	<10	200	1.90	6.19	0.28	1.62	75.3	25.8	26
ZZ65383		0.19	0.014	0.25	0.71	64.2	<0.2	<10	60	0.26	1.05	0.07	0.44	11.65	3.6	11
ZZ65384		0.27	0.005	0.36	1.50	181.0	<0.2	<10	110	0.54	1.04	0.13	0.32	13.00	3.6	17
ZZ65385		0.34	0.012	1.10	0.66	141.5	<0.2	<10	90	0.40	0.78	0.05	0.84	12.60	6.3	9
ZZ65386		0.21	0.002	0.12	0.82	26.9	<0.2	<10	90	0.32	1.08	0.09	0.50	16.90	4.2	15
ZZ65387		0.31	0.004	0.28	1.07	66.3	<0.2	<10	90	0.42	2.51	0.04	0.61	19.10	5.2	17
ZZ65388		0.34	0.003	0.26	1.13	106.5	<0.2	<10	140	0.48	1.69	0.04	0.69	25.4	5.9	19
ZZ65389		0.32	0.004	0.38	1.14	72.1	<0.2	<10	110	0.57	1.26	0.05	0.56	24.2	6.6	18
ZZ65390		0.33	0.004	0.35	1.03	468	<0.2	<10	130	0.38	3.04	0.09	1.86	32.0	6.6	18
ZZ65391		0.25	0.003	0.45	1.11	98.9	<0.2	<10	130	0.77	1.08	0.04	1.11	22.0	6.9	17
ZZ65392		0.30	0.010	0.43	1.32	88.1	<0.2	<10	150	0.86	0.87	0.05	1.71	22.6	6.2	19
ZZ65393		0.21	0.003	0.36	0.62	32.5	<0.2	<10	50	0.15	0.41	0.05	0.27	5.73	2.1	6
ZZ65394		0.30	0.007	0.65	1.22	84.6	<0.2	<10	150	0.67	0.83	0.05	1.44	23.2	6.1	22
ZZ65395		0.29	0.031	1.03	1.94	184.0	<0.2	<10	290	2.28	2.22	0.25	10.60	40.3	23.9	24
ZZ65396		0.35	0.023	0.89	0.96	80.5	<0.2	<10	390	0.98	0.69	0.02	0.60	42.9	4.5	22
ZZ65397		0.31	0.022	0.73	0.90	74.9	<0.2	<10	310	0.92	0.67	0.01	0.49	40.8	4.5	19
ZZ65398		0.36	0.022	1.31	1.39	124.5	<0.2	<10	240	0.97	1.08	0.02	0.87	44.1	8.6	25
ZZ65399		0.27	0.009	0.28	0.90	82.0	<0.2	<10	90	0.36	1.10	0.04	0.32	13.00	4.8	15
ZZ65400		0.20	0.017	0.93	1.28	384	<0.2	<10	190	0.34	3.13	0.09	0.21	25.7	5.8	25
ZZ65401		0.22	0.009	0.27	0.54	107.0	<0.2	<10	110	0.11	1.01	0.02	0.22	8.50	2.1	6
ZZ65402		0.21	0.035	1.08	1.10	1670	<0.2	<10	160	0.42	9.22	0.04	0.93	32.7	4.7	20
ZZ65403		0.13	0.005	1.02	0.74	287	<0.2	<10	80	0.27	4.01	0.04	0.54	12.55	2.2	7
ZZ65404		0.16	0.027	1.49	0.69	949	<0.2	<10	170	0.40	9.71	0.07	0.83	35.3	4.2	17
ZZ65405		0.25	0.007	0.40	1.00	316	<0.2	<10	130	0.44	1.88	0.04	0.60	24.5	4.2	17
ZZ65406		0.21	0.014	0.73	1.24	92.4	<0.2	<10	210	0.30	2.52	0.03	0.35	22.6	4.9	25
ZZ65407		0.25	0.013	3.70	1.46	701	<0.2	<10	190	0.75	13.80	0.08	1.29	23.5	6.5	17
ZZ65408		0.19	0.005	0.90	0.43	199.5	<0.2	<10	100	0.17	1.58	0.04	0.44	20.5	3.1	10
ZZ65409		0.15	0.009	0.94	1.06	898	<0.2	<10	180	0.42	3.17	0.04	0.31	19.15	4.0	22
ZZ65410		0.17	0.004	0.22	0.44	28.6	<0.2	<10	30	0.08	0.28	0.04	0.07	2.58	1.3	2

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65371		11.95	70.9	2.79	3.75	0.05	<0.02	0.10	0.040	0.06	14.6	7.3	0.21	651	7.97	0.02
ZZ65372		4.51	72.3	3.04	7.72	<0.05	<0.02	0.09	0.033	0.04	15.7	11.0	0.29	223	4.40	0.01
ZZ65373		3.62	172.0	3.51	5.11	0.08	0.06	0.06	0.067	0.06	23.9	14.2	0.48	728	5.99	0.01
ZZ65374		2.08	91.4	2.42	3.01	<0.05	0.02	0.05	0.058	0.04	8.5	6.8	0.20	322	11.50	<0.01
ZZ65375		2.66	116.5	2.64	3.61	<0.05	<0.02	0.05	0.068	0.06	12.6	6.4	0.19	269	13.45	0.01
ZZ65376		2.72	100.0	3.56	4.22	0.08	0.03	0.05	0.042	0.07	15.1	9.7	0.36	108	20.5	0.02
ZZ65377		2.94	101.5	4.20	4.07	0.08	0.04	0.03	0.039	0.08	16.1	11.0	0.44	179	23.7	0.02
ZZ65378		4.45	128.5	6.22	5.19	0.12	0.04	0.04	0.076	0.11	16.4	15.5	0.68	150	46.3	0.03
ZZ65379		6.03	207	9.56	6.66	0.16	0.08	0.04	0.148	0.20	19.6	27.2	1.77	343	73.7	0.02
ZZ65380		5.11	174.0	8.96	6.89	0.13	0.05	0.06	0.226	0.12	18.9	25.1	1.16	327	64.0	0.03
ZZ65381		4.35	146.0	4.61	5.02	0.05	0.02	0.05	0.031	0.06	10.9	15.0	0.34	191	4.30	0.01
ZZ65382		7.06	141.5	5.12	5.30	0.13	0.05	0.06	0.040	0.08	36.2	29.3	0.45	410	8.93	0.01
ZZ65383		2.38	30.1	1.73	3.67	<0.05	<0.02	0.07	0.018	0.05	5.7	3.3	0.11	146	2.62	0.01
ZZ65384		3.68	43.9	2.57	5.58	<0.05	<0.02	0.06	0.026	0.07	6.4	9.4	0.19	119	3.46	0.02
ZZ65385		1.46	50.5	2.53	2.69	<0.05	<0.02	0.06	0.036	0.05	5.4	3.7	0.09	716	2.67	0.02
ZZ65386		2.67	25.0	2.20	3.89	<0.05	<0.02	0.04	0.028	0.05	7.7	9.1	0.20	154	2.39	0.01
ZZ65387		2.34	28.0	3.33	5.09	0.05	<0.02	0.06	0.040	0.05	9.1	10.6	0.27	174	3.15	0.01
ZZ65388		2.08	30.4	3.29	4.95	<0.05	<0.02	0.07	0.043	0.06	12.5	10.6	0.24	304	6.11	0.01
ZZ65389		1.97	30.1	3.07	4.46	0.05	<0.02	0.05	0.035	0.06	12.7	12.0	0.28	198	6.07	0.01
ZZ65390		1.97	25.7	3.12	5.50	<0.05	<0.02	0.04	0.060	0.06	15.5	9.9	0.33	253	4.03	0.01
ZZ65391		3.56	38.5	3.11	4.60	<0.05	<0.02	0.06	0.060	0.06	11.7	9.0	0.23	226	10.70	0.01
ZZ65392		3.07	41.5	3.02	4.89	0.05	<0.02	0.06	0.049	0.06	11.6	11.7	0.25	232	10.85	0.01
ZZ65393		0.86	10.7	1.05	3.49	<0.05	<0.02	0.06	0.019	0.03	3.1	1.1	0.04	231	3.76	0.02
ZZ65394		2.57	42.1	3.07	5.28	0.05	<0.02	0.07	0.052	0.07	11.5	8.6	0.23	254	13.50	0.01
ZZ65395		5.68	152.5	6.34	5.97	0.11	0.06	0.06	0.122	0.17	21.9	26.4	0.43	340	65.8	0.02
ZZ65396		2.80	99.7	5.36	5.17	0.10	0.18	0.08	0.092	0.12	22.7	11.8	0.20	93	71.0	0.01
ZZ65397		2.60	97.8	5.30	4.69	0.09	0.14	0.07	0.091	0.11	21.7	10.6	0.19	113	65.9	0.01
ZZ65398		3.03	139.0	7.31	5.88	0.12	0.05	0.04	0.133	0.12	23.6	13.8	0.43	223	69.4	0.01
ZZ65399		4.95	52.3	2.29	4.95	<0.05	<0.02	0.04	0.020	0.05	6.1	6.1	0.13	258	2.64	0.01
ZZ65400		5.59	206	6.96	6.35	0.09	0.02	0.10	0.038	0.20	10.7	8.0	0.39	277	4.52	0.01
ZZ65401		1.05	18.8	1.19	3.05	<0.05	<0.02	0.03	0.019	0.03	4.4	2.0	0.05	156	3.04	0.02
ZZ65402		2.58	89.0	3.87	6.00	0.06	<0.02	0.06	0.137	0.07	16.8	8.7	0.22	169	8.47	0.01
ZZ65403		1.73	55.0	1.46	3.16	<0.05	<0.02	0.05	0.057	0.05	6.4	4.0	0.09	100	5.67	0.02
ZZ65404		3.19	96.2	3.88	5.05	0.06	<0.02	0.06	0.206	0.08	20.9	3.8	0.14	145	45.4	0.01
ZZ65405		4.03	132.0	3.04	4.71	0.05	<0.02	0.05	0.051	0.06	15.4	7.7	0.25	156	31.4	0.01
ZZ65406		3.82	119.5	5.14	6.93	0.05	<0.02	0.09	0.041	0.14	12.7	7.8	0.36	183	18.70	0.01
ZZ65407		3.84	58.4	3.24	6.37	0.05	<0.02	0.07	0.070	0.09	11.0	15.7	0.35	269	8.93	0.01
ZZ65408		3.81	63.7	2.28	3.84	<0.05	<0.02	0.06	0.062	0.05	11.4	2.3	0.07	138	30.6	<0.01
ZZ65409		6.72	124.0	4.52	5.86	0.05	<0.02	0.08	0.041	0.15	11.2	8.0	0.35	154	17.30	<0.01
ZZ65410		0.45	11.8	0.59	1.99	<0.05	<0.02	0.02	0.007	0.02	1.3	0.5	0.02	111	0.93	0.02

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65371		0.37	41.7	760	88.7	8.9	0.001	0.07	33.1	1.7	1.5	4.3	10.6	<0.01	0.03	0.4
ZZ65372		1.18	20.5	1050	36.0	6.7	<0.001	0.10	9.31	1.6	2.2	2.1	9.1	0.02	0.08	0.8
ZZ65373		0.63	76.0	1010	124.0	8.6	0.001	0.03	23.3	3.3	2.1	6.0	14.1	0.01	0.08	4.6
ZZ65374		0.44	38.7	520	97.2	6.0	0.001	0.03	22.9	1.2	1.6	4.3	8.8	<0.01	0.06	0.9
ZZ65375		0.28	51.8	700	85.7	8.7	0.001	0.04	14.40	1.1	2.1	5.6	17.2	<0.01	0.06	0.3
ZZ65376		0.51	42.3	1240	40.6	7.6	0.001	0.08	6.17	2.0	6.9	1.1	29.4	<0.01	0.23	0.8
ZZ65377		0.59	62.8	1480	32.5	8.5	0.002	0.08	6.70	2.1	7.2	1.2	45.1	<0.01	0.22	1.7
ZZ65378		0.64	61.6	2400	34.1	11.4	0.004	0.21	7.87	2.2	18.2	0.9	91.1	<0.01	0.73	1.8
ZZ65379		1.11	181.0	1990	49.3	19.6	0.008	0.28	9.74	3.5	19.4	1.5	87.8	0.01	0.61	4.5
ZZ65380		1.15	137.5	1890	187.0	13.2	0.007	0.23	8.98	3.5	18.0	1.6	57.1	0.01	0.39	3.3
ZZ65381		0.84	38.1	670	26.7	9.3	0.001	0.08	5.57	2.1	4.1	1.4	26.4	0.01	0.38	1.2
ZZ65382		0.75	119.0	870	77.3	12.2	0.003	0.07	17.20	3.7	4.5	2.9	40.6	0.02	0.36	2.0
ZZ65383		0.36	12.7	580	15.6	8.7	<0.001	0.04	3.55	0.3	1.0	1.1	12.1	<0.01	0.07	<0.2
ZZ65384		1.06	18.7	490	30.7	10.2	<0.001	0.04	8.61	1.3	1.8	1.4	53.3	0.01	0.09	0.4
ZZ65385		0.23	21.4	580	254	6.6	0.001	0.05	67.1	0.5	1.3	14.9	12.0	<0.01	0.05	<0.2
ZZ65386		0.45	19.5	590	15.8	8.3	0.001	0.04	2.63	0.7	1.2	1.0	14.8	<0.01	0.09	0.2
ZZ65387		0.96	21.1	480	24.7	9.8	<0.001	0.03	3.70	1.4	1.0	1.6	13.2	<0.01	0.26	1.1
ZZ65388		0.53	23.6	580	30.5	11.6	<0.001	0.06	5.42	0.8	1.4	1.3	15.6	<0.01	0.09	0.2
ZZ65389		0.83	28.5	480	23.7	8.8	<0.001	0.06	5.79	1.3	1.3	1.3	17.0	<0.01	0.12	0.7
ZZ65390		0.86	24.8	400	61.0	10.9	<0.001	0.02	6.28	1.8	1.2	1.9	13.0	<0.01	0.20	1.6
ZZ65391		0.52	38.7	760	37.9	12.4	0.001	0.08	6.55	0.7	3.5	1.0	22.6	0.01	0.10	0.2
ZZ65392		0.55	34.1	710	49.9	11.8	0.002	0.07	6.76	0.7	3.0	1.2	22.4	<0.01	0.09	0.2
ZZ65393		0.24	6.2	480	18.2	5.0	<0.001	0.03	1.51	0.1	0.8	0.6	8.4	<0.01	0.04	<0.2
ZZ65394		0.47	36.5	1010	54.3	14.6	0.002	0.10	7.13	0.4	3.5	1.3	27.7	<0.01	0.13	<0.2
ZZ65395		1.10	177.5	2120	44.1	18.5	0.006	0.22	31.4	4.0	16.4	1.3	106.5	0.01	0.56	4.4
ZZ65396		0.40	41.4	1010	49.4	14.9	0.019	0.14	17.45	5.0	13.3	1.3	40.0	<0.01	0.34	7.2
ZZ65397		0.35	39.1	980	51.2	13.5	0.011	0.13	16.75	5.0	13.5	1.3	32.7	<0.01	0.34	7.0
ZZ65398		0.38	47.9	1680	120.0	11.7	0.003	0.19	39.9	5.6	21.5	1.7	41.1	<0.01	0.36	7.6
ZZ65399		0.60	13.1	490	14.4	12.3	<0.001	0.04	3.07	0.5	0.7	1.3	9.6	<0.01	0.09	<0.2
ZZ65400		1.57	17.7	1330	38.3	20.6	0.001	0.35	7.45	2.6	5.4	2.5	51.7	0.01	0.30	0.6
ZZ65401		0.11	7.5	390	14.7	6.0	<0.001	0.01	4.56	0.1	0.5	1.2	6.3	<0.01	0.04	<0.2
ZZ65402		1.01	24.7	480	106.0	11.8	<0.001	0.05	39.9	1.6	1.9	6.6	15.9	<0.01	0.17	1.3
ZZ65403		0.31	10.2	450	39.3	7.1	0.001	0.05	16.55	0.3	1.0	3.8	12.0	<0.01	0.05	<0.2
ZZ65404		0.19	46.1	1150	184.5	12.1	0.003	0.08	84.4	0.5	3.8	6.3	20.7	<0.01	0.26	<0.2
ZZ65405		0.30	47.7	790	49.9	12.3	0.006	0.07	15.80	0.5	2.9	1.7	13.1	<0.01	0.18	<0.2
ZZ65406		0.81	30.6	840	34.2	17.1	0.007	0.18	8.33	1.0	4.6	1.9	16.5	<0.01	0.14	0.3
ZZ65407		0.86	30.0	530	85.3	22.6	0.002	0.08	26.1	1.5	1.1	6.0	16.4	<0.01	0.07	0.5
ZZ65408		0.30	54.9	460	67.4	13.9	0.003	0.04	47.9	0.6	1.8	8.3	9.1	<0.01	0.07	<0.2
ZZ65409		1.02	59.0	620	23.9	21.7	0.004	0.19	4.26	1.7	3.9	1.5	13.9	<0.01	0.16	0.8
ZZ65410		0.21	2.8	330	11.0	1.9	<0.001	0.06	1.90	0.1	<0.2	0.5	7.5	<0.01	0.04	<0.2

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CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ65371		0.025	0.23	2.25	37	0.14	8.29	180	<0.5
ZZ65372		0.040	0.12	2.18	43	0.25	4.44	68	0.5
ZZ65373		0.026	0.14	7.89	60	0.30	12.70	260	1.5
ZZ65374		0.018	0.11	2.74	53	0.23	3.81	149	0.6
ZZ65375		0.024	0.19	4.13	94	0.29	5.33	110	<0.5
ZZ65376		0.034	0.30	8.37	111	0.49	12.45	128	0.9
ZZ65377		0.038	0.25	9.38	121	0.37	12.25	179	1.4
ZZ65378		0.039	0.41	14.45	147	0.32	13.80	225	1.5
ZZ65379		0.060	0.64	22.2	177	0.31	24.5	780	4.2
ZZ65380		0.062	0.44	18.80	226	0.46	18.25	649	2.4
ZZ65381		0.036	0.16	1.43	49	0.35	4.99	79	0.7
ZZ65382		0.031	0.26	4.83	61	0.29	24.2	200	1.4
ZZ65383		0.021	0.14	0.84	38	0.21	2.05	50	<0.5
ZZ65384		0.048	0.25	0.88	61	0.23	2.47	79	0.5
ZZ65385		0.016	0.13	0.97	29	0.11	3.20	194	<0.5
ZZ65386		0.026	0.15	0.74	38	0.20	3.13	91	<0.5
ZZ65387		0.040	0.15	0.88	46	0.25	3.11	122	<0.5
ZZ65388		0.026	0.20	1.26	52	0.26	3.75	128	<0.5
ZZ65389		0.037	0.22	1.29	46	0.32	4.09	122	0.5
ZZ65390		0.032	0.15	0.93	56	0.34	4.11	178	<0.5
ZZ65391		0.025	0.25	2.61	76	0.26	4.74	265	<0.5
ZZ65392		0.025	0.35	3.24	92	0.26	6.10	209	<0.5
ZZ65393		0.016	0.07	1.02	47	0.10	1.19	45	<0.5
ZZ65394		0.016	0.33	3.87	140	0.22	6.23	226	<0.5
ZZ65395		0.060	1.02	28.3	378	0.34	27.3	1160	3.8
ZZ65396		0.020	2.21	10.20	179	0.23	15.15	257	12.8
ZZ65397		0.016	2.14	9.74	157	0.21	13.40	238	9.6
ZZ65398		0.017	1.38	13.75	217	0.28	12.30	269	4.5
ZZ65399		0.024	0.15	0.66	56	0.52	1.95	42	<0.5
ZZ65400		0.044	0.35	2.41	60	0.30	10.70	50	0.7
ZZ65401		0.010	0.06	0.63	39	0.96	1.16	42	<0.5
ZZ65402		0.043	0.21	2.36	65	2.85	4.17	145	0.6
ZZ65403		0.021	0.10	1.62	27	2.26	1.72	53	<0.5
ZZ65404		0.014	0.22	8.14	193	2.09	6.61	172	<0.5
ZZ65405		0.017	0.24	9.40	179	2.95	5.63	110	0.6
ZZ65406		0.023	0.31	3.32	80	3.04	2.98	94	<0.5
ZZ65407		0.030	0.18	2.06	65	0.40	3.79	158	<0.5
ZZ65408		0.018	0.18	3.64	178	0.51	3.48	112	<0.5
ZZ65409		0.046	0.26	3.00	207	0.31	3.78	76	<0.5
ZZ65410		0.018	0.05	0.36	17	0.05	0.50	11	<0.5

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
ZZ65411		0.16	0.008	0.89	0.30	1420	<0.2	<10	100	0.14	2.70	0.05	0.50	22.6	4.5	8
ZZ65412		0.15	0.015	0.88	0.84	369	<0.2	<10	120	0.32	3.10	0.04	0.71	25.5	9.1	14
ZZ65413		0.26	0.025	1.51	1.86	685	<0.2	<10	90	0.65	2.88	0.07	0.24	40.3	11.4	28
ZZ65414		0.21	0.037	3.10	2.21	1840	<0.2	<10	90	0.93	7.32	0.12	0.37	37.4	11.1	24
ZZ65415		0.22	0.011	3.30	0.79	1450	<0.2	<10	90	0.66	29.8	0.10	1.76	35.0	15.3	20
ZZ65416		0.26	0.029	2.03	1.48	4100	<0.2	<10	140	1.13	29.2	0.10	3.74	39.9	26.2	26
ZZ65417		0.25	0.007	0.60	1.82	97.4	<0.2	<10	100	0.66	1.45	0.07	0.65	29.3	11.6	30
ZZ65621		0.40	0.013	1.38	1.37	723	<0.2	<10	150	0.49	9.55	0.10	0.81	23.7	7.9	13
ZZ65622		0.38	0.019	0.92	0.83	520	<0.2	<10	100	0.42	8.63	0.07	0.86	22.5	6.6	11
ZZ65623		0.24	0.023	1.33	1.50	885	<0.2	<10	170	0.70	12.20	0.13	1.44	28.6	7.7	17

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CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65411		4.09	82.7	2.36	3.52	<0.05	<0.02	0.04	0.054	0.07	11.9	1.7	0.05	456	14.60	<0.01
ZZ65412		3.70	139.0	3.25	4.38	0.05	<0.02	0.08	0.051	0.06	12.8	3.3	0.10	543	25.0	0.01
ZZ65413		8.14	609	6.01	6.15	0.09	0.04	0.07	0.107	0.17	17.7	22.2	0.72	214	6.37	<0.01
ZZ65414		8.12	465	4.89	6.65	0.07	0.03	0.07	0.097	0.10	16.6	18.4	0.48	330	10.25	0.01
ZZ65415		4.03	263	4.92	3.01	0.07	0.02	0.06	0.131	0.07	20.0	8.7	0.28	468	49.1	<0.01
ZZ65416		3.58	416	8.09	6.07	0.11	0.03	0.03	0.266	0.10	21.0	15.7	0.77	620	31.9	<0.01
ZZ65417		5.19	89.1	4.92	5.56	<0.05	<0.02	0.06	0.040	0.07	12.3	20.3	0.47	605	8.65	0.01
ZZ65621		2.57	107.0	2.27	4.28	<0.05	0.02	0.05	0.043	0.05	11.9	9.0	0.28	336	7.21	0.01
ZZ65622		1.96	108.5	2.17	2.54	<0.05	0.04	0.04	0.038	0.05	11.7	7.8	0.21	192	10.35	<0.01
ZZ65623		3.61	167.0	2.74	4.85	<0.05	0.02	0.05	0.059	0.07	16.5	11.2	0.38	226	9.63	0.01

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Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65411		0.17	31.7	610	92.9	14.4	0.002	0.09	43.3	0.2	1.3	18.8	11.4	<0.01	0.15	<0.2
ZZ65412		0.25	40.6	1080	54.9	14.9	0.001	0.14	11.30	0.2	2.8	2.5	12.4	<0.01	0.23	<0.2
ZZ65413		1.19	57.0	740	20.7	20.0	0.001	0.14	2.66	3.9	5.6	1.5	17.9	0.01	0.21	2.8
ZZ65414		0.88	41.1	1140	166.5	12.6	0.001	0.14	24.9	2.3	3.2	27.7	22.3	0.01	0.26	0.9
ZZ65415		0.24	177.5	970	235	10.2	0.005	0.07	84.3	2.5	5.2	19.1	9.3	<0.01	0.46	0.8
ZZ65416		0.42	180.0	950	342	11.5	0.008	0.14	173.0	3.0	9.4	23.0	24.4	<0.01	0.58	1.3
ZZ65417		0.71	45.8	770	169.0	12.7	<0.001	0.08	22.6	1.9	4.3	8.8	15.2	<0.01	0.13	0.6
ZZ65621		0.44	36.9	840	70.6	8.5	0.001	0.07	13.05	1.1	1.2	3.8	13.5	0.01	0.11	0.5
ZZ65622		0.43	54.5	610	68.3	5.9	0.002	0.05	20.6	1.5	1.5	5.0	11.6	<0.01	0.06	1.3
ZZ65623		0.49	54.9	830	68.0	11.7	0.001	0.09	12.50	1.3	1.8	5.2	17.5	<0.01	0.21	0.4

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 9- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173429

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ65411		0.011	0.16	1.37	67	4.00	2.58	135	<0.5
ZZ65412		0.009	0.21	3.48	89	6.32	3.72	92	<0.5
ZZ65413		0.059	0.32	2.34	64	0.35	8.63	65	1.3
ZZ65414		0.055	0.25	2.43	62	1.77	11.55	92	1.0
ZZ65415		0.017	0.28	9.99	242	0.41	13.75	335	0.6
ZZ65416		0.030	0.30	12.15	231	1.20	11.95	712	1.0
ZZ65417		0.043	0.28	1.83	121	1.26	5.69	253	<0.5
ZZ65621		0.026	0.14	3.11	54	0.23	5.51	120	0.5
ZZ65622		0.023	0.13	2.93	65	0.29	4.69	134	1.1
ZZ65623		0.029	0.21	5.45	78	0.28	8.20	152	0.5

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

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1016- 510 W HASTINGS ST
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Finalized Date: 9- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173429

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

CERTIFICATE WH12173428

Project: Liam

P.O. No.:

This report is for 223 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

SARAH EATON	JOAN MARIACHER	

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

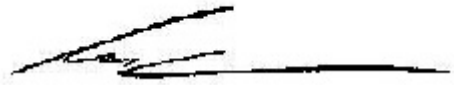
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65001		0.38	0.027	4.13	0.60	1540	<0.2	<10	160	0.45	0.41	0.03	11.85	66.5	6.8	16
ZZ65002		0.53	0.006	0.89	0.61	353	<0.2	<10	150	0.33	0.30	0.02	1.95	48.3	4.5	14
ZZ65003		0.74	0.002	0.67	0.85	25.8	<0.2	<10	120	0.41	0.30	0.03	0.82	57.7	8.5	21
ZZ65004		0.48	0.001	0.51	0.79	33.2	<0.2	<10	90	0.25	0.72	0.04	0.27	54.9	3.0	16
ZZ65005		0.39	0.004	0.75	2.32	29.2	<0.2	<10	350	0.88	0.31	0.12	0.90	32.6	17.4	28
ZZ65006		0.30	0.114	4.08	1.49	2360	<0.2	<10	180	0.84	4.82	0.12	3.57	40.2	25.8	22
ZZ65007		0.33	0.011	0.42	2.37	155.5	<0.2	<10	160	0.86	1.47	0.11	0.38	24.0	11.7	33
ZZ65008		0.22	0.001	0.26	1.41	63.0	<0.2	<10	60	0.30	0.80	0.07	0.10	14.60	3.2	16
ZZ65009		0.25	0.002	0.25	1.43	79.9	<0.2	<10	70	0.43	1.12	0.07	0.23	16.35	5.0	20
ZZ65010		0.19	0.041	0.68	1.64	90.2	<0.2	<10	70	0.41	1.92	0.06	0.19	15.40	3.6	18
ZZ65011		0.30	0.007	0.56	2.58	98.4	<0.2	<10	210	0.95	2.78	0.08	0.39	35.3	6.8	42
ZZ65012		0.32	0.001	0.38	0.49	39.6	<0.2	<10	50	0.20	0.54	0.07	0.35	12.80	3.0	7
ZZ65013		0.37	0.085	2.80	0.37	>10000	<0.2	<10	220	0.24	5.45	0.04	2.71	20.5	3.9	6
ZZ65014		0.43	0.027	5.47	0.30	2880	<0.2	<10	140	0.16	4.14	0.02	1.06	10.55	2.7	6
ZZ65015		0.40	0.022	0.56	0.10	730	<0.2	<10	90	0.07	6.39	0.02	0.31	22.5	11.4	4
ZZ65016		0.39	0.047	1.13	1.59	3460	<0.2	<10	160	1.79	22.2	0.52	0.63	78.0	22.2	10
ZZ65017		0.37	0.018	2.05	0.21	1020	<0.2	<10	70	0.16	18.20	0.01	0.57	16.60	7.8	5
ZZ65018		0.29	0.012	2.84	0.44	1250	<0.2	<10	130	0.22	22.2	0.05	0.94	11.10	4.0	9
ZZ65019		0.51	0.049	0.60	1.82	940	<0.2	<10	320	0.84	6.45	0.13	0.64	31.9	5.0	23
ZZ65020		0.50	0.074	0.74	1.70	257	<0.2	<10	460	1.14	7.05	0.09	0.78	41.2	4.9	22
ZZ65021		0.31	0.018	1.50	2.03	114.5	<0.2	10	400	2.54	3.70	0.17	6.04	42.4	21.8	25
ZZ65022		0.41	0.012	1.32	2.21	65.2	<0.2	<10	470	1.38	2.87	0.14	3.95	31.4	26.1	22
ZZ65023		0.36	0.055	0.96	2.72	2440	<0.2	<10	350	1.71	21.6	0.57	11.50	16.15	24.7	22
ZZ65024		0.34	0.019	0.67	2.09	107.5	<0.2	<10	120	0.84	5.13	0.24	1.75	21.8	8.1	24
ZZ65025		0.35	0.006	0.76	2.04	46.4	<0.2	<10	100	0.72	2.06	0.12	0.25	19.50	4.5	21
ZZ65026		0.31	0.025	1.18	3.48	124.0	<0.2	<10	180	2.09	9.41	0.29	1.32	25.7	24.1	18
ZZ65027		0.43	0.063	0.89	2.66	244	<0.2	<10	310	2.28	24.6	0.26	1.72	23.9	19.4	18
ZZ65028		0.40	0.024	0.74	2.87	181.5	<0.2	<10	770	2.75	7.72	0.24	2.32	29.4	34.4	21
ZZ65029		0.46	0.031	0.74	1.23	241	<0.2	<10	320	1.21	3.19	0.06	0.75	30.5	11.2	16
ZZ65030		0.41	0.035	0.63	1.07	460	<0.2	<10	350	1.12	2.22	0.02	0.64	31.7	7.9	14
ZZ65031		0.39	0.031	0.63	1.98	185.0	<0.2	<10	820	1.14	1.54	0.08	0.24	29.7	6.1	22
ZZ65032		0.39	0.034	0.78	2.57	366	<0.2	<10	1220	1.94	1.78	0.06	0.71	43.1	17.5	24
ZZ65033		0.40	0.040	1.33	1.45	145.0	<0.2	<10	510	1.25	0.88	0.05	0.70	74.2	5.5	24
ZZ65034		0.41	0.024	0.86	2.35	164.0	<0.2	<10	230	1.40	0.96	0.15	1.25	23.1	17.9	18
ZZ65035		0.33	0.040	1.06	1.88	167.0	<0.2	<10	210	1.21	1.27	0.09	0.41	34.0	4.2	29
ZZ65036		0.32	0.061	1.04	0.86	407	<0.2	<10	500	0.98	2.04	0.03	0.71	26.7	6.0	10
ZZ65037		0.36	0.040	1.47	0.51	592	<0.2	<10	300	0.66	2.26	0.01	0.33	28.3	3.9	8
ZZ65038		0.36	0.027	0.58	0.85	201	<0.2	<10	310	0.65	1.39	0.02	0.26	27.0	4.4	17
ZZ65039		0.25	0.009	0.36	1.41	858	<0.2	<10	130	0.55	5.66	0.05	0.27	14.50	6.8	16
ZZ65040		0.19	0.082	1.31	2.31	>10000	<0.2	<10	210	0.76	37.8	0.16	0.64	21.7	11.8	23

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65001		1.45	56.4	4.07	3.22	0.12	<0.02	0.29	0.348	0.09	34.9	3.9	0.15	272	14.55	<0.01
ZZ65002		0.65	57.2	4.17	2.69	0.09	0.14	0.17	0.121	0.08	28.1	2.3	0.13	132	11.65	<0.01
ZZ65003		0.93	54.7	3.31	3.99	0.10	0.04	0.13	0.047	0.05	31.3	6.0	0.31	174	3.24	<0.01
ZZ65004		1.54	40.0	3.22	4.44	0.09	<0.02	0.13	0.053	0.06	28.8	4.7	0.13	121	4.04	<0.01
ZZ65005		4.34	69.5	5.32	7.36	0.07	<0.02	0.05	0.043	0.15	16.1	19.1	0.51	690	3.45	0.01
ZZ65006		4.07	170.5	4.99	5.09	0.08	0.03	0.13	0.212	0.11	19.4	15.9	0.39	1080	6.71	0.01
ZZ65007		5.70	190.0	5.41	6.49	0.06	0.03	0.06	0.047	0.21	11.7	20.2	0.68	367	5.01	<0.01
ZZ65008		3.53	131.0	2.99	4.88	<0.05	<0.02	0.07	0.022	0.07	7.1	9.1	0.29	106	2.90	0.01
ZZ65009		4.11	97.8	3.36	5.41	0.06	<0.02	0.06	0.027	0.06	8.5	11.3	0.29	160	4.26	0.01
ZZ65010		5.00	142.0	3.01	5.67	0.05	0.02	0.10	0.025	0.08	7.5	12.1	0.34	128	3.26	0.01
ZZ65011		8.96	365	7.29	8.91	0.12	0.04	0.09	0.039	0.38	17.2	29.9	1.01	253	4.46	<0.01
ZZ65012		1.66	72.0	1.37	2.09	<0.05	<0.02	0.06	0.050	0.04	6.8	2.1	0.07	120	3.03	0.02
ZZ65013		1.67	168.5	3.65	1.25	0.08	0.02	0.10	0.150	0.11	12.2	1.9	0.05	224	40.4	<0.01
ZZ65014		1.41	134.0	3.83	1.29	0.07	<0.02	0.11	0.276	0.12	5.4	1.5	0.06	168	43.5	<0.01
ZZ65015		1.81	112.0	3.06	0.53	0.06	0.07	0.04	0.039	0.03	11.2	0.7	0.03	408	22.9	<0.01
ZZ65016		5.75	148.0	5.64	5.34	0.12	0.05	0.04	0.042	0.08	45.1	14.7	0.46	1020	1.68	0.02
ZZ65017		2.18	190.0	2.58	1.02	0.05	<0.02	0.04	0.072	0.03	7.5	1.5	0.08	419	28.9	<0.01
ZZ65018		2.82	89.7	2.07	2.63	<0.05	<0.02	0.10	0.078	0.06	6.8	2.0	0.11	134	9.38	0.02
ZZ65019		4.07	108.0	5.73	5.47	0.11	0.07	0.08	0.024	0.12	17.1	13.8	0.47	204	36.9	0.03
ZZ65020		4.45	129.0	9.66	5.89	0.19	0.05	0.05	0.079	0.23	25.6	17.5	0.80	159	86.2	0.04
ZZ65021		6.02	213	8.00	5.35	0.14	0.04	0.14	0.123	0.19	25.2	22.3	1.50	461	91.9	0.02
ZZ65022		5.71	204	7.59	6.49	0.16	0.11	0.06	0.170	0.36	19.4	24.3	1.88	393	84.7	0.01
ZZ65023		4.03	251	6.31	7.18	0.13	0.08	0.06	0.130	0.18	10.4	25.2	1.62	497	15.85	0.01
ZZ65024		4.07	91.4	4.63	6.18	0.06	0.03	0.12	0.111	0.05	11.7	13.4	0.44	271	17.80	0.01
ZZ65025		3.42	105.0	8.98	7.32	0.07	0.06	0.11	0.052	0.07	9.9	9.8	0.33	208	8.45	0.01
ZZ65026		6.74	234	9.61	7.21	0.16	0.19	0.08	0.067	0.08	11.7	14.0	0.43	325	85.0	0.01
ZZ65027		6.60	228	11.55	6.94	0.15	0.28	0.06	0.095	0.12	12.8	18.7	0.48	263	101.0	0.02
ZZ65028		7.81	190.0	9.63	7.94	0.17	0.15	0.04	0.104	0.18	15.3	33.7	1.16	494	79.5	0.04
ZZ65029		6.71	139.0	7.79	4.37	0.15	0.17	0.05	0.087	0.13	17.2	14.4	0.32	223	79.4	0.03
ZZ65030		7.64	128.0	8.80	4.13	0.16	0.20	0.05	0.128	0.13	18.7	14.5	0.21	129	90.1	0.03
ZZ65031		10.00	134.0	9.13	6.62	0.15	0.31	0.03	0.056	0.19	17.1	25.4	0.38	122	96.8	0.06
ZZ65032		9.76	192.5	10.10	6.60	0.16	0.39	0.04	0.143	0.21	24.0	25.8	0.41	174	120.5	0.06
ZZ65033		9.25	109.5	6.88	5.16	0.18	0.42	0.05	0.115	0.23	43.9	17.5	0.24	122	113.0	0.03
ZZ65034		3.88	131.0	5.56	6.50	0.11	0.16	0.04	0.057	0.08	12.0	41.1	0.97	493	36.2	0.03
ZZ65035		8.27	138.5	10.65	7.38	0.21	0.28	0.10	0.062	0.20	18.4	24.3	0.33	124	104.5	0.06
ZZ65036		7.67	111.0	7.47	3.06	0.17	0.26	0.06	0.087	0.21	16.3	13.8	0.31	121	119.0	0.06
ZZ65037		6.17	75.6	10.70	2.64	0.21	0.08	0.07	0.106	0.33	17.8	6.5	0.06	87	166.0	0.06
ZZ65038		6.03	79.0	8.93	4.67	0.16	0.23	0.04	0.074	0.13	16.4	11.6	0.20	109	97.8	0.03
ZZ65039		2.24	56.5	2.87	5.02	<0.05	0.04	0.05	0.029	0.07	7.3	16.9	0.22	181	3.13	0.02
ZZ65040		8.05	372	7.53	7.25	0.15	0.07	0.08	0.133	0.18	10.1	16.6	0.53	308	6.51	0.02

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Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65001		0.26	30.7	600	2700	6.8	0.002	0.20	1035	3.2	12.5	7.9	31.1	<0.01	0.07	4.8
ZZ65002		0.30	34.2	570	455	4.9	0.001	0.17	84.8	4.5	5.1	2.8	43.7	<0.01	0.07	7.7
ZZ65003		0.28	22.0	550	43.1	4.3	0.001	0.09	9.92	4.6	5.4	1.2	17.8	<0.01	0.04	9.0
ZZ65004		0.50	12.4	770	70.4	7.4	0.002	0.07	14.45	1.6	6.0	1.0	18.1	<0.01	0.07	1.8
ZZ65005		1.15	45.7	970	31.7	17.9	0.002	0.23	3.04	4.3	3.3	0.8	88.5	<0.01	0.09	2.2
ZZ65006		0.86	46.6	950	394	13.1	0.001	0.11	297	2.8	2.7	51.5	42.6	<0.01	0.13	2.2
ZZ65007		1.63	39.5	920	34.1	21.5	0.001	0.14	10.85	3.3	3.5	2.2	28.3	0.01	0.15	2.1
ZZ65008		0.71	14.0	810	12.4	8.1	0.001	0.10	2.60	1.0	2.6	0.6	23.7	<0.01	0.07	0.3
ZZ65009		0.70	21.0	730	30.4	9.1	0.002	0.08	6.33	1.0	2.7	2.1	21.0	<0.01	0.08	0.2
ZZ65010		1.10	17.0	800	54.2	10.6	0.001	0.09	21.7	1.3	3.1	2.9	23.2	0.01	0.11	0.3
ZZ65011		2.05	43.3	1320	30.8	33.6	0.001	0.23	4.89	5.7	9.8	1.3	69.1	<0.01	0.35	3.2
ZZ65012		0.30	17.4	640	36.2	4.0	0.002	0.04	7.72	0.4	1.4	0.8	11.4	<0.01	0.03	<0.2
ZZ65013		0.25	62.2	880	383	9.7	0.004	0.22	92.9	1.0	10.5	14.4	45.6	<0.01	0.43	1.5
ZZ65014		0.23	30.9	570	1000	9.1	0.005	0.31	333	0.8	6.0	33.2	16.0	<0.01	0.24	1.0
ZZ65015		0.14	106.5	270	188.5	3.4	0.003	0.02	20.3	1.5	1.8	3.6	2.0	<0.01	0.12	4.2
ZZ65016		0.60	11.0	860	75.6	8.7	0.001	0.06	31.0	4.8	2.8	3.7	27.2	0.01	0.41	6.2
ZZ65017		0.19	81.1	310	175.5	4.4	0.002	0.03	44.9	1.7	3.0	10.0	8.5	<0.01	0.08	1.3
ZZ65018		0.16	62.3	1030	105.5	7.4	0.002	0.10	18.55	0.2	2.8	5.9	20.9	<0.01	0.06	<0.2
ZZ65019		1.02	47.2	2400	29.7	11.0	0.003	0.22	4.63	2.5	16.2	0.8	84.9	0.01	0.51	2.6
ZZ65020		0.82	48.2	4020	37.5	19.3	0.006	0.53	8.67	2.8	33.0	0.9	156.5	<0.01	1.44	3.6
ZZ65021		0.89	213	2700	76.8	17.2	0.009	0.41	7.90	2.2	19.4	0.9	115.5	0.01	0.39	1.1
ZZ65022		1.27	199.5	1570	84.5	37.6	0.009	0.22	6.23	2.9	18.3	0.9	39.5	0.01	0.29	4.1
ZZ65023		0.85	213	1900	50.8	19.8	0.005	0.11	3.65	2.8	11.7	1.5	96.5	0.01	0.64	2.5
ZZ65024		0.96	85.4	1520	69.7	6.4	0.002	0.12	4.81	1.6	8.3	1.4	42.8	0.02	0.27	0.6
ZZ65025		0.81	22.8	1730	38.6	9.6	0.001	0.25	5.58	1.7	6.3	0.7	33.7	0.01	0.22	1.8
ZZ65026		1.18	106.5	1570	42.1	8.6	0.004	0.34	9.18	3.5	36.0	0.8	91.2	0.01	0.81	3.8
ZZ65027		1.04	121.5	1710	53.5	11.7	0.006	0.44	12.75	3.7	34.1	1.0	112.5	0.02	1.13	8.2
ZZ65028		1.26	148.0	1950	50.6	21.6	0.004	0.38	13.95	5.8	16.8	1.2	158.0	0.02	0.56	7.0
ZZ65029		0.74	93.9	2310	41.4	13.9	0.002	0.27	21.0	4.7	18.1	1.1	89.5	0.01	0.43	7.6
ZZ65030		0.50	65.6	2280	39.9	12.6	0.002	0.31	21.1	4.8	19.6	0.8	71.2	0.01	0.53	9.8
ZZ65031		1.06	44.0	2040	35.8	19.2	0.004	0.46	20.0	5.3	16.6	0.8	132.5	0.01	0.56	11.1
ZZ65032		1.13	114.0	1820	43.9	23.0	0.003	0.63	24.0	6.4	15.2	1.1	99.9	0.02	0.65	12.0
ZZ65033		2.20	58.7	1680	68.6	22.9	0.012	0.41	39.1	6.7	23.2	1.1	107.0	0.01	0.55	12.5
ZZ65034		1.02	115.0	1720	47.9	8.6	0.002	0.18	15.30	3.4	9.4	0.6	61.9	0.01	0.29	3.8
ZZ65035		1.27	34.8	2060	40.1	20.9	0.004	0.58	22.9	4.6	24.0	0.6	103.5	0.02	0.65	8.0
ZZ65036		0.31	58.1	2120	32.8	20.5	0.004	0.53	33.5	4.6	25.0	0.6	148.5	<0.01	0.57	10.0
ZZ65037		0.24	42.7	3660	49.1	19.6	0.008	0.92	36.6	3.8	30.4	0.7	320	<0.01	0.83	12.8
ZZ65038		0.69	34.7	1660	54.2	11.8	0.002	0.29	21.0	4.6	20.5	1.1	104.5	<0.01	0.51	9.3
ZZ65039		1.01	19.9	380	18.1	11.8	<0.001	0.05	4.46	2.0	1.3	1.4	12.7	<0.01	0.14	1.4
ZZ65040		1.58	23.9	1140	59.9	18.7	<0.001	0.23	21.0	3.7	12.3	2.9	64.3	0.01	0.82	1.7

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CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65001		0.008	1.55	8.66	40	0.06	8.89	276	0.7	
ZZ65002		0.008	1.23	4.32	50	0.10	7.79	253	7.1	
ZZ65003		0.007	0.79	3.29	43	0.05	10.45	227	2.0	
ZZ65004		0.022	0.96	1.49	53	0.20	6.44	115	<0.5	
ZZ65005		0.054	0.34	1.81	69	0.95	7.75	259	<0.5	
ZZ65006		0.039	0.25	2.71	55	2.94	9.67	480	0.9	
ZZ65007		0.079	0.38	1.41	77	0.45	5.75	133	1.1	
ZZ65008		0.037	0.23	1.06	39	0.24	3.37	41	0.5	
ZZ65009		0.034	0.20	1.06	50	0.38	3.47	64	<0.5	
ZZ65010		0.049	0.27	1.20	46	0.30	4.52	54	0.8	
ZZ65011		0.092	0.81	3.26	89	0.39	9.86	128	2.2	
ZZ65012		0.021	0.14	1.96	34	0.08	2.62	115	<0.5	
ZZ65013		0.009	0.30	5.82	98	0.30	4.42	279	0.8	0.98
ZZ65014		0.006	0.24	3.96	34	0.59	2.11	206	0.6	
ZZ65015		<0.005	0.10	4.75	45	0.05	5.00	154	3.5	
ZZ65016		0.016	0.17	7.34	32	0.46	18.45	86	1.2	
ZZ65017		0.005	0.13	8.26	35	0.15	5.53	170	<0.5	
ZZ65018		0.007	0.15	6.21	167	0.10	5.38	115	<0.5	
ZZ65019		0.053	0.37	12.10	141	0.41	13.05	120	2.9	
ZZ65020		0.049	0.70	20.2	191	0.33	13.30	217	2.2	
ZZ65021		0.038	0.78	25.6	238	0.32	27.3	758	1.9	
ZZ65022		0.071	0.84	32.4	227	0.25	29.9	1160	5.1	
ZZ65023		0.044	0.41	14.00	201	0.20	20.2	1300	3.4	
ZZ65024		0.037	0.24	5.76	156	0.33	8.46	346	1.3	
ZZ65025		0.042	0.33	2.29	64	0.23	4.43	107	2.3	
ZZ65026		0.051	0.51	28.9	106	0.37	18.00	279	6.7	
ZZ65027		0.054	0.83	25.5	165	0.36	15.60	377	17.4	
ZZ65028		0.058	1.30	18.55	139	0.38	20.2	441	8.1	
ZZ65029		0.027	1.00	17.50	179	0.34	12.65	299	12.3	
ZZ65030		0.018	1.04	19.35	154	0.44	11.35	254	16.3	
ZZ65031		0.058	1.89	20.7	127	0.32	11.30	129	25.0	
ZZ65032		0.055	2.34	22.9	120	0.35	18.80	309	27.0	
ZZ65033		0.141	3.59	24.7	247	0.37	17.65	303	29.1	
ZZ65034		0.041	0.62	12.75	132	0.33	15.45	278	7.5	
ZZ65035		0.054	1.96	22.7	138	0.33	16.40	134	15.3	
ZZ65036		0.011	1.55	18.90	127	0.42	12.35	146	20.7	
ZZ65037		0.005	1.68	15.25	112	0.72	14.45	122	7.3	
ZZ65038		0.028	1.13	8.21	115	0.50	7.55	139	18.8	
ZZ65039		0.021	0.20	0.77	45	0.32	2.89	86	1.3	
ZZ65040		0.056	0.33	2.65	61	0.23	9.16	82	2.1	1.12

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Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65041		0.28	0.052	1.60	2.78	7230	<0.2	<10	170	0.73	37.6	0.14	0.49	24.0	9.8	36
ZZ65042		0.28	0.016	0.82	1.91	1935	<0.2	<10	160	0.54	6.78	0.06	0.25	14.40	6.5	19
ZZ65043		0.33	0.298	7.59	2.68	>10000	0.2	<10	240	1.43	66.1	0.24	9.62	36.5	40.6	21
ZZ65044		0.25	0.026	0.89	1.15	3050	<0.2	<10	70	0.32	17.50	0.06	0.41	10.85	5.4	10
ZZ65045		0.22	0.023	2.12	2.10	2670	<0.2	<10	110	0.50	5.53	0.08	0.61	15.05	4.0	24
ZZ65046		0.35	0.021	0.84	2.75	1275	<0.2	<10	140	0.72	6.00	0.13	0.28	22.5	8.1	28
ZZ65047		0.32	0.144	7.34	2.45	>10000	<0.2	<10	150	1.07	79.9	0.47	1.18	53.1	31.1	22
ZZ65048		0.31	0.029	0.52	2.62	806	<0.2	<10	160	0.70	7.60	0.13	0.19	17.60	8.5	27
ZZ65049		0.23	0.008	0.75	1.86	445	<0.2	<10	210	1.50	2.54	0.38	1.70	73.3	27.2	10
ZZ65050		0.23	0.013	0.72	3.36	2240	<0.2	<10	240	0.46	8.20	0.05	0.46	12.75	3.8	55
ZZ65051		0.22	<0.001	0.09	0.21	9.5	<0.2	<10	20	<0.05	0.11	0.03	0.16	1.93	0.7	2
ZZ65052		0.23	0.066	3.30	1.99	6050	<0.2	<10	130	0.87	35.8	0.12	2.88	21.3	20.0	20
ZZ65053		0.23	0.008	0.35	1.72	1170	<0.2	<10	90	0.67	5.21	0.10	0.55	16.15	7.0	18
ZZ65054		0.28	0.036	1.03	1.90	>10000	<0.2	<10	160	0.91	24.7	0.13	0.67	31.6	10.9	27
ZZ65055		0.38	0.002	0.22	1.24	1980	<0.2	<10	120	0.50	8.07	0.04	0.47	21.3	9.1	20
ZZ65056		0.24	0.007	0.29	2.36	693	<0.2	<10	210	1.34	4.33	0.18	0.61	36.5	8.9	18
ZZ65057		0.28	<0.001	0.25	0.94	283	<0.2	<10	80	0.37	1.16	0.04	0.29	11.95	3.0	8
ZZ65058		0.35	0.005	0.54	1.36	1225	<0.2	<10	140	0.80	8.26	0.05	1.74	27.0	8.1	11
ZZ65059		0.38	0.002	0.26	0.46	297	<0.2	<10	80	0.15	2.51	0.02	0.25	14.40	2.8	9
ZZ65060		0.47	<0.001	0.64	0.17	385	<0.2	<10	90	0.09	3.41	<0.01	0.13	9.44	0.7	3
ZZ65061		0.28	0.003	0.99	1.12	774	<0.2	<10	120	0.45	7.49	0.05	0.67	20.0	8.0	15
ZZ65062		0.44	0.009	0.99	1.25	1845	<0.2	<10	210	0.57	16.55	0.05	0.98	22.8	7.2	19
ZZ65063		0.45	0.001	0.33	1.03	631	<0.2	<10	160	0.53	2.18	0.06	1.54	20.0	6.5	15
ZZ65064		0.40	0.006	0.59	1.81	336	<0.2	<10	120	0.64	4.48	0.05	0.36	20.1	6.0	19
ZZ65065		0.31	0.017	0.98	2.66	145.0	<0.2	<10	140	0.79	2.92	0.13	0.16	19.85	7.0	27
ZZ65066		0.36	<0.001	0.19	0.70	297	<0.2	<10	100	0.16	2.70	0.03	0.45	17.75	3.6	12
ZZ65067		0.34	<0.001	0.45	0.52	136.0	<0.2	<10	70	0.15	1.01	0.03	0.37	8.26	2.0	7
ZZ65068		0.32	<0.001	0.77	0.27	234	<0.2	<10	50	0.07	2.20	0.02	0.19	6.79	1.3	4
ZZ65069		0.35	0.002	1.59	1.16	357	<0.2	<10	150	0.67	15.45	0.05	1.11	25.2	6.9	14
ZZ65070		0.37	0.022	2.59	1.92	629	<0.2	<10	180	1.25	2.11	0.13	1.39	41.6	15.4	17
ZZ65071		0.33	0.020	2.14	0.95	350	<0.2	<10	150	0.55	5.92	0.03	0.73	39.7	6.2	10
ZZ65072		0.29	<0.001	0.36	0.31	13.6	<0.2	<10	20	0.05	0.51	0.05	0.05	2.30	1.2	2
ZZ65073		0.33	0.005	0.96	0.47	169.0	<0.2	<10	100	0.17	2.32	0.01	0.18	14.90	2.1	11
ZZ65074		0.46	0.044	3.97	0.88	1575	<0.2	<10	220	0.65	12.40	0.07	1.31	43.7	19.3	15
ZZ65075		0.49	0.025	3.19	0.41	1055	<0.2	<10	120	0.36	3.36	0.05	2.24	27.3	20.1	9
ZZ65076		0.41	0.027	4.05	0.41	674	<0.2	<10	90	0.17	3.70	0.05	1.25	15.20	4.2	9
ZZ65077		0.50	0.026	4.10	0.37	1080	<0.2	<10	100	0.43	2.14	0.04	2.43	24.7	10.4	7
ZZ65078		0.37	0.011	1.88	0.70	920	<0.2	<10	50	0.43	7.40	0.02	0.38	17.25	8.6	10
ZZ65079		0.41	0.030	2.31	0.94	1710	<0.2	<10	90	0.45	16.65	0.10	1.01	16.45	10.8	13
ZZ65080		0.39	0.093	3.68	1.33	4980	<0.2	<10	190	1.06	63.9	0.13	2.39	44.9	44.1	16

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65041		9.34	275	10.00	10.70	0.20	0.11	0.06	0.097	0.41	10.6	26.9	1.01	310	4.91	0.02
ZZ65042		3.45	109.0	3.80	5.96	0.06	0.09	0.06	0.046	0.13	7.0	16.8	0.32	326	2.63	0.02
ZZ65043		7.71	597	8.88	6.18	0.14	0.06	0.10	0.668	0.22	18.0	22.9	0.55	1420	7.66	0.02
ZZ65044		4.70	150.5	3.81	4.48	0.06	0.03	0.06	0.106	0.10	5.7	9.1	0.24	234	2.38	0.02
ZZ65045		6.52	280	6.03	7.56	0.09	0.02	0.06	0.127	0.16	7.6	15.5	0.46	174	5.50	0.02
ZZ65046		11.55	260	7.06	8.70	0.11	0.05	0.04	0.050	0.28	11.3	25.3	0.75	295	14.60	0.02
ZZ65047		12.25	704	10.45	7.13	0.17	0.06	0.06	0.452	0.20	24.7	22.2	0.54	827	50.9	0.02
ZZ65048		8.85	315	9.27	9.01	0.15	0.05	0.04	0.040	0.26	7.8	17.9	0.69	246	21.9	0.02
ZZ65049		4.23	207	1.96	3.23	0.09	0.05	0.09	0.026	0.03	43.0	9.8	0.14	862	11.50	0.02
ZZ65050		13.40	292	8.53	14.65	0.27	0.08	0.04	0.296	0.85	5.9	33.5	2.30	357	4.87	0.02
ZZ65051		0.32	5.6	0.36	1.07	<0.05	<0.02	0.02	<0.005	0.02	1.0	0.4	0.02	17	0.46	0.03
ZZ65052		6.43	260	4.05	5.64	0.06	0.04	0.10	0.165	0.08	11.1	15.8	0.30	728	4.14	0.02
ZZ65053		5.09	107.5	3.76	5.43	0.05	0.04	0.04	0.059	0.08	7.8	14.8	0.25	262	3.70	0.02
ZZ65054		8.10	345	5.86	6.24	0.09	0.05	0.05	0.135	0.13	15.9	23.9	0.45	318	7.54	0.02
ZZ65055		3.77	102.0	4.18	5.43	0.05	0.02	0.06	0.029	0.10	11.2	19.6	0.35	338	4.06	0.01
ZZ65056		3.87	56.8	3.41	7.29	0.05	0.04	0.06	0.047	0.06	18.0	16.6	0.29	265	3.79	0.02
ZZ65057		0.99	20.6	1.30	2.92	<0.05	<0.02	0.03	0.018	0.04	5.8	5.1	0.11	122	1.03	0.03
ZZ65058		2.25	83.8	2.90	4.65	<0.05	<0.02	0.03	0.102	0.05	14.1	11.4	0.26	608	2.74	0.01
ZZ65059		1.98	31.7	1.69	3.66	<0.05	<0.02	0.03	0.029	0.05	7.3	1.4	0.04	148	3.04	0.02
ZZ65060		0.51	40.0	1.98	0.75	<0.05	<0.02	0.01	0.022	0.08	5.0	0.8	0.01	23	5.82	0.01
ZZ65061		1.99	153.0	3.33	3.96	<0.05	<0.02	0.05	0.046	0.06	10.3	10.5	0.20	267	12.35	0.02
ZZ65062		3.55	149.5	4.86	4.34	0.07	0.02	0.06	0.056	0.13	13.0	12.4	0.33	306	14.00	0.01
ZZ65063		2.60	63.5	2.52	3.94	<0.05	<0.02	0.03	0.057	0.06	10.7	10.5	0.23	444	4.21	0.02
ZZ65064		3.61	101.5	3.73	6.10	0.05	<0.02	0.06	0.051	0.08	9.8	19.6	0.37	272	5.15	0.01
ZZ65065		8.79	288	5.31	8.39	0.10	0.03	0.11	0.045	0.27	10.0	18.6	0.64	215	12.90	0.02
ZZ65066		2.01	36.6	2.24	5.21	0.05	<0.02	0.04	0.035	0.05	9.2	3.1	0.10	236	7.23	0.02
ZZ65067		0.90	29.6	1.22	2.27	<0.05	<0.02	0.04	0.019	0.03	4.0	2.5	0.06	70	3.10	0.02
ZZ65068		0.93	22.6	1.01	2.13	<0.05	<0.02	0.04	0.018	0.03	3.7	0.6	0.02	41	6.85	0.02
ZZ65069		2.23	120.5	3.72	4.68	0.07	0.02	0.06	0.065	0.07	13.9	13.3	0.22	235	29.8	0.01
ZZ65070		4.12	95.4	3.46	5.38	0.07	0.03	0.12	0.061	0.06	19.1	17.3	0.30	617	23.0	0.01
ZZ65071		3.89	156.0	4.02	3.75	0.06	<0.02	0.10	0.111	0.12	20.9	9.7	0.15	504	23.8	0.02
ZZ65072		0.33	12.5	0.56	1.36	<0.05	<0.02	0.02	0.008	0.02	1.2	0.4	0.02	29	1.18	0.03
ZZ65073		1.29	45.1	2.48	2.52	0.05	<0.02	0.05	0.039	0.06	8.3	1.3	0.04	76	14.10	0.01
ZZ65074		6.02	407	5.39	3.56	0.12	0.02	0.07	0.150	0.16	23.5	9.9	0.40	660	59.3	0.01
ZZ65075		3.01	244	3.08	1.66	0.08	0.02	0.06	0.177	0.05	12.8	4.9	0.16	848	33.1	0.01
ZZ65076		2.54	107.0	2.82	2.78	<0.05	<0.02	0.09	0.185	0.06	7.5	1.5	0.05	268	13.60	0.01
ZZ65077		2.83	226	3.06	1.31	0.07	0.02	0.11	0.391	0.05	13.6	3.6	0.08	527	28.9	0.01
ZZ65078		3.67	158.0	3.12	2.56	<0.05	<0.02	0.04	0.070	0.04	7.3	4.7	0.13	428	18.45	0.01
ZZ65079		2.73	129.0	2.78	2.84	0.06	0.04	0.03	0.044	0.05	7.6	6.4	0.21	539	16.30	0.02
ZZ65080		5.10	454	7.22	4.07	0.12	0.08	0.06	0.082	0.09	21.3	12.9	0.42	827	46.2	0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65041		2.52	23.9	750	68.3	41.5	<0.001	0.29	32.9	6.5	9.2	4.5	72.9	0.01	0.92	4.6
ZZ65042		1.17	19.3	520	46.8	18.9	<0.001	0.10	24.6	3.3	2.4	3.0	14.7	0.01	0.16	2.5
ZZ65043		1.42	52.7	880	597	22.7	0.001	0.19	288	4.8	7.4	39.8	50.4	0.02	0.98	2.3
ZZ65044		1.00	10.4	620	97.7	12.2	<0.001	0.10	50.9	1.4	3.0	7.1	12.1	<0.01	0.39	0.7
ZZ65045		1.76	17.1	780	137.0	17.3	<0.001	0.18	71.2	2.4	4.7	15.0	29.5	<0.01	0.16	0.6
ZZ65046		2.49	32.2	730	26.5	29.4	<0.001	0.22	9.41	4.8	6.4	1.9	29.5	0.02	0.30	2.5
ZZ65047		1.62	42.6	1000	230	22.6	0.007	0.19	245	5.8	10.4	31.2	64.2	0.03	0.98	4.6
ZZ65048		2.50	29.4	1240	26.7	25.7	0.001	0.29	8.46	5.2	9.3	2.7	56.7	0.02	0.35	2.9
ZZ65049		0.64	64.6	900	22.4	6.0	0.008	0.13	6.83	1.4	3.8	1.8	31.7	0.02	0.06	0.2
ZZ65050		4.07	14.1	660	36.2	70.1	<0.001	0.36	8.48	9.5	6.7	4.0	22.4	<0.01	0.16	5.4
ZZ65051		0.11	1.5	320	2.7	1.5	<0.001	0.04	0.47	0.2	0.2	0.2	6.1	<0.01	0.01	<0.2
ZZ65052		1.10	25.3	780	569	11.9	<0.001	0.10	241	2.3	2.9	26.5	22.8	0.01	0.88	1.0
ZZ65053		1.38	23.8	750	23.3	13.3	<0.001	0.09	18.80	2.3	2.4	1.4	36.4	0.02	0.18	1.1
ZZ65054		1.53	39.0	550	26.0	17.6	<0.001	0.07	12.25	3.5	3.4	5.8	56.9	0.01	0.85	3.1
ZZ65055		1.09	27.4	500	21.6	17.7	<0.001	0.09	4.40	2.6	2.2	1.2	10.3	<0.01	0.59	1.8
ZZ65056		1.42	16.7	590	24.6	12.4	<0.001	0.06	3.93	2.4	1.2	2.5	22.7	0.02	0.08	1.8
ZZ65057		0.42	6.6	460	10.8	5.7	<0.001	0.05	2.03	0.5	0.5	0.6	8.7	<0.01	0.03	<0.2
ZZ65058		0.35	13.3	860	37.5	10.3	<0.001	0.08	16.95	0.6	0.9	3.0	15.4	<0.01	0.11	0.2
ZZ65059		0.22	9.3	460	15.5	11.9	<0.001	0.05	5.69	0.4	0.7	1.8	6.9	<0.01	0.09	<0.2
ZZ65060		0.13	4.7	210	10.0	5.1	0.001	0.19	5.01	0.6	1.8	0.8	11.8	<0.01	0.08	1.0
ZZ65061		0.64	22.5	650	30.3	12.2	0.003	0.10	8.86	1.0	1.6	2.8	13.7	<0.01	0.11	0.4
ZZ65062		0.70	33.3	660	87.7	14.3	0.003	0.12	23.7	1.5	2.8	6.4	24.5	<0.01	0.21	0.5
ZZ65063		0.39	21.2	830	40.7	12.9	0.002	0.08	19.20	0.7	0.9	3.8	11.5	<0.01	0.06	0.2
ZZ65064		1.33	22.9	430	37.2	16.3	0.001	0.04	6.31	2.4	1.3	1.8	11.2	<0.01	0.07	1.6
ZZ65065		2.41	34.7	1030	24.6	24.8	0.001	0.15	5.24	3.8	5.7	3.0	43.9	0.03	0.23	1.5
ZZ65066		0.57	13.8	490	24.8	11.9	0.002	0.04	7.31	0.6	1.0	2.1	9.1	<0.01	0.09	<0.2
ZZ65067		0.16	8.0	500	15.8	4.6	0.001	0.04	3.75	0.1	0.8	1.1	8.0	<0.01	0.02	<0.2
ZZ65068		0.13	6.4	390	24.3	3.8	0.001	0.04	9.72	0.1	0.9	1.9	8.0	<0.01	0.04	<0.2
ZZ65069		0.97	41.0	430	85.8	11.4	0.003	0.11	27.4	2.4	2.6	3.1	19.9	<0.01	0.08	2.3
ZZ65070		0.94	42.3	550	122.5	12.0	0.003	0.07	62.4	2.2	1.7	3.7	18.1	<0.01	0.10	1.8
ZZ65071		0.43	36.6	820	281	15.7	0.002	0.22	181.5	1.6	2.8	25.5	19.1	<0.01	0.10	2.2
ZZ65072		0.10	4.3	400	8.6	1.4	0.001	0.03	2.09	<0.1	0.4	0.4	7.7	<0.01	<0.01	<0.2
ZZ65073		0.26	23.9	700	94.3	7.5	0.007	0.08	36.1	0.4	2.3	4.1	10.5	<0.01	0.10	<0.2
ZZ65074		0.30	165.5	1230	258	21.3	0.011	0.20	65.1	3.4	8.7	13.7	24.4	<0.01	0.70	2.2
ZZ65075		0.21	103.0	480	343	8.4	0.003	0.06	113.5	2.0	2.8	14.2	11.0	<0.01	0.14	1.6
ZZ65076		0.32	36.8	770	1355	9.8	0.002	0.12	674	0.7	1.9	51.8	9.6	<0.01	0.03	0.2
ZZ65077		0.18	88.0	360	606	6.3	0.003	0.06	113.5	2.2	2.5	21.4	11.9	<0.01	0.08	1.5
ZZ65078		0.24	61.6	470	158.5	9.2	0.002	0.04	51.9	1.0	1.7	15.8	4.7	<0.01	0.71	0.6
ZZ65079		0.22	76.3	920	137.5	6.9	0.003	0.07	34.0	0.9	4.2	8.4	13.3	<0.01	0.15	0.3
ZZ65080		0.51	200	1060	222	10.7	0.007	0.11	49.2	4.9	9.2	10.6	33.9	<0.01	0.54	8.2

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65041		0.107	0.79	2.27	88	0.19	7.22	131	4.1	
ZZ65042		0.029	0.31	0.91	52	0.16	4.07	87	3.0	
ZZ65043		0.055	0.52	5.72	55	1.16	15.90	693	1.8	2.30
ZZ65044		0.040	0.20	0.87	33	0.15	2.31	61	1.0	
ZZ65045		0.057	0.25	1.61	64	0.36	3.79	104	0.7	
ZZ65046		0.088	0.46	3.40	70	0.41	7.44	105	1.7	
ZZ65047		0.055	0.44	10.30	60	0.37	17.50	144	1.5	1.32
ZZ65048		0.092	0.43	2.86	75	0.32	6.45	61	1.5	
ZZ65049		0.023	0.19	9.59	25	0.22	45.2	164	<0.5	
ZZ65050		0.201	1.09	1.78	127	0.19	3.74	125	4.0	
ZZ65051		0.012	0.03	0.21	10	<0.05	0.36	7	<0.5	
ZZ65052		0.040	0.21	1.61	46	0.64	6.13	235	1.2	
ZZ65053		0.048	0.20	1.18	46	0.87	4.22	128	1.4	
ZZ65054		0.039	0.36	2.16	67	0.36	10.10	63	2.0	1.08
ZZ65055		0.027	0.23	1.44	54	0.27	4.87	82	<0.5	
ZZ65056		0.029	0.13	1.96	45	0.64	5.46	91	1.2	
ZZ65057		0.020	0.07	0.58	20	0.13	1.92	41	<0.5	
ZZ65058		0.013	0.12	1.80	30	0.50	3.97	156	<0.5	
ZZ65059		0.013	0.14	0.54	44	0.26	1.70	64	<0.5	
ZZ65060		<0.005	0.10	0.37	9	0.05	1.27	56	<0.5	
ZZ65061		0.020	0.19	2.08	33	0.22	3.67	99	<0.5	
ZZ65062		0.027	0.20	4.63	60	0.93	6.88	156	<0.5	
ZZ65063		0.016	0.12	2.24	47	0.19	5.62	157	<0.5	
ZZ65064		0.032	0.20	1.25	62	0.29	3.14	139	<0.5	
ZZ65065		0.097	0.44	1.75	79	0.31	6.27	46	1.3	
ZZ65066		0.028	0.15	1.15	91	0.55	2.09	70	<0.5	
ZZ65067		0.016	0.08	1.06	29	0.23	1.61	35	<0.5	
ZZ65068		0.013	0.05	0.77	26	0.14	0.94	33	<0.5	
ZZ65069		0.024	0.18	2.81	56	0.33	4.26	134	0.8	
ZZ65070		0.024	0.23	3.97	49	0.52	6.38	204	0.8	
ZZ65071		0.015	0.25	3.57	53	0.63	6.58	229	0.5	
ZZ65072		0.013	0.04	0.93	19	<0.05	0.76	11	<0.5	
ZZ65073		0.010	0.12	2.81	107	0.17	2.31	103	<0.5	
ZZ65074		0.017	0.64	17.20	157	1.12	16.20	220	0.9	
ZZ65075		0.008	0.24	5.73	60	1.56	7.87	293	1.0	
ZZ65076		0.015	0.18	2.50	56	0.24	2.99	340	<0.5	
ZZ65077		0.007	0.18	6.48	44	0.48	9.69	374	0.6	
ZZ65078		0.011	0.15	3.11	38	0.30	3.22	123	<0.5	
ZZ65079		0.017	0.22	7.85	134	0.25	5.64	166	0.9	
ZZ65080		0.019	0.41	22.0	93	0.65	18.75	266	4.0	

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VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65081		0.42	0.054	1.43	1.67	2330	<0.2	<10	120	0.74	29.3	0.11	0.51	29.8	15.8	24
ZZ65082		0.37	0.157	2.40	1.70	1680	<0.2	<10	140	0.82	11.95	0.06	0.37	25.5	5.8	27
ZZ65083		0.34	0.034	1.30	1.00	628	<0.2	<10	100	0.53	6.17	0.05	0.47	26.7	4.8	22
ZZ65084		0.51	0.037	0.66	1.90	89.5	<0.2	<10	230	1.34	3.73	0.11	0.57	40.6	12.9	23
ZZ65085		0.43	0.018	0.65	1.10	98.4	<0.2	<10	740	0.94	0.53	0.04	0.55	31.4	8.3	18
ZZ65086		0.47	0.031	0.70	2.78	285	<0.2	<10	250	3.42	1.61	0.07	2.38	64.1	34.4	25
ZZ65087		0.43	0.036	0.69	2.20	238	<0.2	<10	760	2.07	1.37	0.04	0.79	53.3	16.8	22
ZZ65088		0.50	0.036	0.57	1.36	223	<0.2	<10	350	1.56	1.25	0.03	0.43	36.4	9.9	16
ZZ65089		0.39	0.022	1.00	2.24	184.5	<0.2	<10	440	1.76	2.26	0.21	2.72	42.3	9.4	27
ZZ65090		0.45	0.026	0.38	1.33	271	<0.2	<10	270	1.34	2.58	0.03	0.50	30.6	7.9	16
ZZ65091		0.47	0.028	1.27	1.50	160.0	<0.2	<10	290	3.19	3.74	0.13	6.38	62.6	45.0	21
ZZ65092		0.39	0.017	1.01	3.29	106.0	<0.2	<10	170	2.80	5.98	0.23	2.05	32.1	44.3	18
ZZ65093		0.37	0.003	0.58	1.99	57.2	<0.2	<10	130	1.29	2.91	0.30	11.55	20.0	16.7	14
ZZ65094		0.34	0.001	0.41	2.42	46.8	<0.2	<10	130	1.71	1.51	0.11	0.64	32.4	12.1	24
ZZ65095		0.34	0.012	2.53	2.10	108.0	<0.2	<10	110	1.31	3.35	0.12	1.95	27.4	11.7	21
ZZ65096		0.40	0.006	0.60	1.90	77.0	<0.2	<10	90	0.92	2.49	0.13	0.83	23.5	7.4	18
ZZ65097		0.42	0.013	1.00	2.96	38.1	<0.2	<10	140	1.53	4.26	0.23	1.68	24.1	18.8	15
ZZ65098		0.32	0.005	0.83	1.29	56.9	<0.2	<10	180	0.78	1.81	0.11	0.92	22.6	4.7	23
ZZ65099		0.40	0.073	1.35	1.99	56.5	<0.2	<10	240	1.18	6.22	0.13	0.66	27.8	6.0	19
ZZ65100		0.41	0.019	1.07	2.17	243	<0.2	<10	400	1.32	4.22	0.19	0.48	36.2	6.8	18
ZZ65101		0.23	0.026	1.15	3.23	3110	<0.2	<10	170	0.49	19.50	0.10	0.22	22.0	5.5	40
ZZ65102		0.35	0.025	0.79	2.38	76.5	<0.2	<10	120	0.60	2.70	0.13	0.36	17.00	4.0	29
ZZ65103		0.32	0.028	0.73	3.38	37.2	<0.2	<10	200	0.78	3.95	0.11	0.44	20.9	5.8	42
ZZ65104		0.37	0.027	0.90	2.88	630	<0.2	<10	140	0.95	10.10	0.34	0.63	20.9	10.4	24
ZZ65105		0.42	0.002	0.33	1.66	246	<0.2	<10	120	0.87	2.07	0.17	0.51	22.8	10.1	24
ZZ65106		0.23	0.003	0.27	1.04	26.8	<0.2	<10	70	0.38	0.43	0.06	0.57	9.28	2.5	9
ZZ65107		0.39	0.007	0.32	1.86	178.5	<0.2	<10	120	0.73	1.48	0.10	0.58	31.5	9.4	25
ZZ65108		0.29	0.007	0.94	2.34	53.5	<0.2	<10	70	0.79	1.57	0.17	1.09	21.7	7.6	23
ZZ65109		0.34	<0.001	0.21	1.06	278	<0.2	<10	110	0.48	2.11	0.04	1.06	22.2	7.9	19
ZZ65110		0.29	0.001	0.28	0.96	82.2	<0.2	<10	90	0.35	1.17	0.05	0.95	15.85	7.5	19
ZZ65111		0.46	0.003	0.18	1.24	98.8	<0.2	<10	150	0.63	1.37	0.07	1.69	26.0	9.7	26
ZZ65112		0.30	<0.001	0.28	1.08	86.7	<0.2	<10	200	0.79	0.93	0.16	2.21	27.0	16.7	17
ZZ65113		0.37	0.003	0.26	0.84	64.9	<0.2	<10	130	0.38	1.09	0.05	1.22	21.2	7.0	18
ZZ65114		0.31	0.004	0.54	1.79	83.7	<0.2	<10	130	1.35	1.08	0.11	1.02	29.4	21.0	22
ZZ65115		0.35	0.017	0.79	0.97	86.6	<0.2	<10	440	0.94	0.83	0.03	0.91	41.4	4.9	22
ZZ65116		0.35	0.004	1.14	1.57	67.0	<0.2	<10	100	1.03	2.37	0.03	1.19	101.0	39.6	29
ZZ65117		0.32	<0.001	0.16	0.61	35.5	<0.2	<10	80	0.22	0.53	0.02	0.39	19.10	5.8	12
ZZ65118		0.34	<0.001	0.17	0.70	33.3	<0.2	<10	80	0.22	0.41	0.02	0.24	11.90	3.2	9
ZZ65119		0.33	<0.001	0.96	1.24	108.0	<0.2	<10	120	1.21	0.44	0.10	3.88	81.6	23.5	11
ZZ65120		0.38	0.002	0.69	0.72	49.4	<0.2	<10	120	0.38	0.42	0.04	0.43	30.6	4.7	14

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CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65081		4.59	203	6.62	5.44	0.10	0.02	0.04	0.061	0.07	15.5	19.1	0.81	352	31.8	0.02
ZZ65082		4.77	150.0	7.55	7.47	0.09	0.03	0.06	0.130	0.08	14.4	13.5	0.48	147	29.6	0.02
ZZ65083		3.57	65.9	3.52	5.12	0.08	<0.02	0.15	0.035	0.05	14.0	7.4	0.19	103	27.8	0.01
ZZ65084		5.30	167.5	7.13	5.30	0.14	0.07	0.04	0.051	0.11	21.9	21.8	0.74	221	59.6	0.04
ZZ65085		5.05	74.4	5.20	3.70	0.08	0.41	0.04	0.064	0.16	17.7	14.4	0.21	155	71.3	0.03
ZZ65086		8.98	236	9.72	6.87	0.16	0.37	0.05	0.151	0.27	35.2	29.8	0.44	363	104.0	0.06
ZZ65087		7.75	182.0	10.40	5.80	0.14	0.35	0.04	0.218	0.19	31.5	22.6	0.40	206	115.0	0.04
ZZ65088		11.20	176.0	9.82	3.72	0.11	0.16	0.07	0.099	0.14	20.3	14.6	0.23	143	97.3	0.03
ZZ65089		6.41	168.5	7.30	5.71	0.13	0.04	0.06	0.169	0.16	22.5	19.5	0.34	241	84.8	0.04
ZZ65090		4.05	109.0	9.26	4.30	0.09	0.21	0.03	0.078	0.11	16.1	14.5	0.37	189	93.3	0.02
ZZ65091		5.06	287	7.81	4.45	0.17	0.12	0.04	0.150	0.12	35.3	21.1	0.53	551	72.1	0.01
ZZ65092		5.99	209	8.52	5.74	0.13	0.16	0.03	0.066	0.09	14.7	19.5	0.48	605	64.7	0.02
ZZ65093		3.34	102.5	3.75	5.31	0.07	0.03	0.02	0.042	0.06	10.9	17.5	0.47	419	17.15	0.02
ZZ65094		3.51	79.3	4.64	5.91	0.08	0.03	0.05	0.037	0.11	16.3	26.2	0.50	440	8.03	0.02
ZZ65095		3.91	85.7	5.93	5.85	0.08	0.03	0.05	0.331	0.08	13.1	20.3	0.44	386	20.3	0.03
ZZ65096		3.29	106.0	5.76	5.67	0.10	0.07	0.05	0.062	0.05	11.5	14.6	0.41	206	23.7	0.02
ZZ65097		3.87	146.0	6.75	7.46	0.11	0.12	0.03	0.049	0.05	13.1	18.8	0.77	399	42.0	0.02
ZZ65098		4.04	48.1	4.60	6.07	0.06	0.03	0.07	0.195	0.07	12.5	12.0	0.34	157	43.6	0.02
ZZ65099		5.13	205	12.95	6.76	0.16	0.07	0.05	0.041	0.10	15.6	21.5	0.60	137	57.5	0.04
ZZ65100		7.34	125.0	7.25	5.74	0.14	0.10	0.06	0.037	0.21	20.6	16.1	0.51	232	74.8	0.05
ZZ65101		17.20	297	11.15	11.50	0.20	0.06	0.06	0.069	0.94	10.5	21.5	1.88	405	4.84	0.01
ZZ65102		8.01	167.5	8.75	7.72	0.10	0.03	0.07	0.041	0.29	7.9	15.8	0.77	255	3.30	0.01
ZZ65103		9.83	182.0	9.06	11.15	0.13	0.10	0.04	0.047	0.49	10.2	23.1	1.15	418	4.01	0.01
ZZ65104		7.74	174.5	5.91	6.42	0.09	0.07	0.05	0.063	0.22	9.9	18.4	0.60	269	6.82	0.01
ZZ65105		3.87	38.5	2.97	4.75	<0.05	<0.02	0.03	0.030	0.08	11.6	17.1	0.40	296	2.76	0.01
ZZ65106		2.26	25.3	1.50	2.88	<0.05	<0.02	0.03	0.018	0.04	4.5	5.5	0.13	80	1.22	0.02
ZZ65107		3.98	96.2	4.13	4.66	0.06	0.05	0.06	0.064	0.09	14.7	20.1	0.52	249	2.70	0.01
ZZ65108		8.31	141.0	9.00	6.54	0.09	0.06	0.05	0.226	0.08	8.8	14.4	0.40	242	4.61	0.01
ZZ65109		3.95	48.8	3.38	5.22	0.05	<0.02	0.03	0.032	0.08	10.7	7.1	0.20	275	7.39	0.01
ZZ65110		3.82	26.7	3.04	4.70	<0.05	0.03	0.04	0.028	0.09	8.0	8.0	0.23	319	3.96	0.02
ZZ65111		6.69	43.5	4.03	6.20	0.06	0.03	0.04	0.049	0.14	13.0	13.1	0.37	341	5.93	0.01
ZZ65112		4.94	39.6	2.51	4.75	0.05	<0.02	0.04	0.030	0.08	13.5	14.0	0.26	716	3.82	0.02
ZZ65113		6.80	38.7	3.88	5.27	0.05	0.02	0.03	0.039	0.11	11.9	5.7	0.20	453	5.91	0.01
ZZ65114		6.96	85.7	4.63	4.76	0.07	0.02	0.05	0.053	0.12	13.4	21.0	0.47	570	5.91	0.01
ZZ65115		2.56	98.9	5.71	4.36	0.09	0.15	0.14	0.087	0.12	23.3	13.2	0.23	128	67.4	0.01
ZZ65116		7.27	125.5	9.62	5.74	0.08	<0.02	0.08	0.520	0.11	23.5	11.4	0.37	1600	10.80	<0.01
ZZ65117		2.67	22.1	2.81	4.26	<0.05	<0.02	0.04	0.030	0.06	8.4	2.5	0.10	395	4.07	0.01
ZZ65118		1.39	18.2	1.84	3.32	<0.05	<0.02	0.03	0.021	0.04	5.8	3.2	0.07	241	2.96	0.02
ZZ65119		3.38	28.0	4.38	3.78	0.09	0.03	0.05	0.087	0.06	35.0	14.1	0.40	1380	2.11	0.01
ZZ65120		2.05	37.5	3.15	3.13	0.05	<0.02	0.08	0.089	0.07	16.6	3.4	0.09	248	4.20	0.01

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CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65081		0.74	93.7	1060	168.5	9.5	0.004	0.10	12.45	2.6	13.5	7.3	18.9	<0.01	0.56	1.8
ZZ65082		1.27	42.9	1200	183.0	10.7	0.002	0.18	12.10	2.4	15.8	12.1	30.8	<0.01	0.49	1.8
ZZ65083		0.66	50.0	660	30.3	9.5	0.002	0.08	4.12	0.9	6.8	1.4	20.9	<0.01	0.29	0.3
ZZ65084		1.02	154.5	1690	44.1	10.9	0.006	0.26	7.16	3.6	19.9	0.8	70.3	0.01	0.58	4.2
ZZ65085		1.38	44.5	770	37.0	16.7	0.014	0.32	11.00	3.8	8.7	0.9	48.5	<0.01	0.33	7.0
ZZ65086		1.24	190.0	1760	36.6	25.3	0.007	0.71	24.6	7.8	20.7	1.7	110.0	0.01	0.82	11.9
ZZ65087		0.92	111.0	1950	38.3	18.8	0.010	0.49	36.2	6.4	23.0	1.7	105.0	0.01	0.71	13.4
ZZ65088		0.51	83.3	2570	54.9	12.7	0.005	0.25	36.4	4.8	22.3	0.9	101.0	<0.01	0.57	11.4
ZZ65089		1.01	92.8	2680	45.0	16.5	0.007	0.36	24.6	3.4	29.2	1.0	158.0	0.01	0.42	2.5
ZZ65090		0.59	60.7	1500	37.3	11.5	0.004	0.20	20.7	3.5	14.0	1.2	51.6	<0.01	0.50	8.4
ZZ65091		0.62	198.5	1930	45.1	12.5	0.005	0.17	22.4	7.1	19.4	1.3	64.7	<0.01	0.46	6.6
ZZ65092		1.05	105.5	1520	38.7	9.7	0.003	0.23	10.20	3.3	25.1	0.7	64.4	0.01	0.53	4.4
ZZ65093		0.77	132.0	1530	32.3	8.2	0.002	0.08	6.66	1.4	9.0	0.5	56.6	0.01	0.16	1.1
ZZ65094		1.16	38.3	950	23.0	18.0	0.001	0.13	2.66	2.1	6.0	0.7	27.0	<0.01	0.13	1.0
ZZ65095		0.89	63.7	1220	448	12.3	0.003	0.20	29.2	2.0	8.3	4.7	53.5	0.01	0.15	1.4
ZZ65096		0.75	60.6	1310	43.9	7.2	0.002	0.14	7.81	1.6	11.5	0.8	37.7	0.01	0.18	1.3
ZZ65097		1.14	142.5	1310	38.8	8.2	0.005	0.15	4.45	2.0	17.8	0.8	39.1	0.01	0.30	3.3
ZZ65098		1.04	48.8	960	29.8	10.2	0.004	0.15	5.37	1.0	7.7	1.3	55.0	<0.01	0.14	0.4
ZZ65099		0.98	65.0	2100	31.4	9.8	0.004	0.56	6.04	2.8	34.6	0.6	112.0	0.01	1.16	3.9
ZZ65100		0.75	60.9	2470	22.0	18.5	0.003	0.47	7.53	3.1	18.5	0.5	227	0.01	0.41	2.7
ZZ65101		2.96	13.4	770	37.4	79.5	0.001	0.31	10.95	8.8	8.1	7.2	24.3	<0.01	0.52	4.0
ZZ65102		1.63	19.6	1240	14.8	30.7	0.001	0.24	2.74	4.7	6.0	0.8	31.0	0.01	0.55	2.4
ZZ65103		2.84	22.7	930	13.2	51.0	0.001	0.21	2.06	7.8	5.3	1.2	29.4	0.01	0.48	4.9
ZZ65104		1.66	37.8	870	171.0	20.3	<0.001	0.19	76.9	3.8	5.1	14.9	48.5	0.01	0.45	2.6
ZZ65105		0.95	29.0	420	62.4	11.5	0.002	0.03	15.40	1.9	1.1	2.4	23.2	0.01	0.13	0.8
ZZ65106		0.36	9.4	480	5.2	5.5	<0.001	0.04	0.90	0.4	0.5	0.4	13.6	<0.01	0.05	<0.2
ZZ65107		1.12	37.0	480	36.7	11.6	0.001	0.05	8.10	3.7	1.9	1.8	19.7	0.01	0.10	4.9
ZZ65108		1.18	31.8	1180	44.9	8.3	0.001	0.24	5.09	3.8	7.2	0.9	31.7	0.02	0.14	3.4
ZZ65109		1.08	24.7	470	22.7	15.0	0.001	0.04	9.42	1.2	1.2	2.0	11.5	<0.01	0.14	0.5
ZZ65110		1.42	16.8	380	17.8	13.3	<0.001	0.04	5.22	1.5	0.6	1.2	12.8	<0.01	0.09	1.1
ZZ65111		1.57	30.2	480	16.7	20.5	0.001	0.05	6.23	2.0	1.3	1.6	17.7	<0.01	0.15	0.7
ZZ65112		0.52	25.4	630	16.2	13.7	<0.001	0.07	3.97	0.8	1.4	1.0	23.4	<0.01	0.07	0.2
ZZ65113		1.15	22.9	570	33.0	18.4	0.001	0.07	6.03	1.4	1.6	1.4	22.1	<0.01	0.15	0.6
ZZ65114		0.96	69.3	710	16.7	14.6	0.001	0.08	6.00	2.4	3.2	0.9	31.1	0.01	0.11	1.2
ZZ65115		0.37	41.1	1070	45.7	13.3	0.016	0.16	15.55	5.1	14.9	1.1	41.2	<0.01	0.34	6.3
ZZ65116		0.84	73.2	1590	62.3	16.9	0.001	0.11	19.80	3.5	5.7	1.7	8.3	<0.01	0.18	3.7
ZZ65117		0.38	20.3	480	17.1	10.4	0.001	0.03	5.17	0.7	0.9	0.7	6.9	<0.01	0.06	<0.2
ZZ65118		0.16	10.4	560	14.8	7.5	0.001	0.03	2.88	0.2	0.7	0.6	7.0	<0.01	0.06	<0.2
ZZ65119		0.17	59.3	660	95.8	7.9	<0.001	0.06	4.83	5.2	1.5	0.7	14.3	<0.01	0.02	2.5
ZZ65120		0.25	19.3	820	71.1	9.1	0.001	0.10	8.12	1.0	1.9	0.9	18.3	<0.01	0.07	0.3

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65081		0.048	0.38	8.90	118	2.09	9.62	149	1.1	
ZZ65082		0.063	0.33	6.85	199	1.34	6.95	153	1.9	
ZZ65083		0.035	0.30	6.47	238	0.37	6.71	99	0.8	
ZZ65084		0.058	0.45	20.9	189	0.31	19.05	203	3.4	
ZZ65085		0.085	3.08	13.70	81	0.27	11.30	173	25.1	
ZZ65086		0.077	2.09	25.9	179	0.34	32.6	519	25.6	
ZZ65087		0.066	1.83	25.1	201	0.33	25.8	401	24.8	
ZZ65088		0.025	1.44	24.7	145	0.28	15.35	337	11.7	
ZZ65089		0.051	1.08	23.5	345	0.29	19.85	688	2.3	
ZZ65090		0.032	1.08	12.50	111	0.29	10.80	245	13.7	
ZZ65091		0.029	1.05	36.7	339	0.24	50.0	1200	7.4	
ZZ65092		0.048	0.49	24.3	125	0.28	20.4	411	5.6	
ZZ65093		0.039	0.33	12.75	141	0.27	11.35	892	1.2	
ZZ65094		0.054	0.33	3.44	63	0.26	7.09	150	0.9	
ZZ65095		0.044	0.31	5.98	106	0.31	8.35	423	1.2	
ZZ65096		0.041	0.31	6.30	96	0.31	9.60	233	2.1	
ZZ65097		0.044	0.31	13.80	126	0.28	14.70	234	3.7	
ZZ65098		0.049	0.47	5.99	252	0.33	7.11	198	1.5	
ZZ65099		0.058	0.45	17.25	146	0.34	12.65	183	2.8	
ZZ65100		0.052	0.67	16.75	179	0.26	17.65	141	3.4	
ZZ65101		0.156	1.42	2.49	117	0.27	5.47	88	3.1	
ZZ65102		0.090	0.42	1.20	80	0.24	4.88	98	1.2	
ZZ65103		0.145	0.69	1.26	103	0.19	5.56	148	4.3	
ZZ65104		0.071	0.31	3.18	59	0.24	6.60	231	2.5	
ZZ65105		0.050	0.19	0.91	52	0.28	5.10	166	<0.5	
ZZ65106		0.027	0.11	0.52	27	0.13	1.88	71	<0.5	
ZZ65107		0.045	0.32	1.23	54	0.26	7.00	186	1.9	
ZZ65108		0.063	0.21	1.52	56	0.27	6.34	370	2.1	
ZZ65109		0.055	0.19	1.30	80	0.48	3.44	101	0.8	
ZZ65110		0.083	0.19	0.91	61	0.39	2.76	93	1.2	
ZZ65111		0.086	0.24	1.13	82	0.56	4.94	191	1.0	
ZZ65112		0.033	0.21	1.18	48	0.22	9.85	139	<0.5	
ZZ65113		0.072	0.31	0.84	80	0.35	3.63	137	0.8	
ZZ65114		0.063	0.36	1.65	64	0.27	8.63	293	0.6	
ZZ65115		0.022	1.81	9.66	180	0.22	15.25	267	9.4	
ZZ65116		0.047	0.55	1.80	90	0.23	13.10	487	0.8	
ZZ65117		0.022	0.22	0.58	60	0.19	2.57	131	<0.5	
ZZ65118		0.014	0.16	0.56	41	0.13	1.69	72	<0.5	
ZZ65119		0.006	0.23	2.13	44	0.11	22.0	515	0.8	
ZZ65120		0.015	0.31	1.14	47	0.16	3.63	154	<0.5	

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Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65121		0.39	0.017	2.29	0.87	602	<0.2	<10	180	0.61	0.46	0.06	6.28	57.9	14.4	17
ZZ65122		0.40	0.012	1.32	1.08	89.1	<0.2	<10	240	0.65	0.65	0.02	0.95	49.8	6.9	29
ZZ65123		0.41	0.005	0.54	0.66	104.0	<0.2	<10	110	0.37	0.28	0.07	1.20	48.3	7.0	14
ZZ65124		0.40	0.002	0.29	1.28	105.0	<0.2	<10	80	0.55	0.24	0.13	1.51	42.2	6.5	15
ZZ65125		0.42	0.189	0.23	1.10	54.6	<0.2	<10	140	0.47	1.03	0.09	0.74	35.6	10.8	21
ZZ65126		0.53	0.001	1.26	0.46	13.5	<0.2	<10	300	0.20	0.61	0.01	0.20	141.5	0.6	3
ZZ65127		0.47	0.023	1.30	0.69	181.0	<0.2	<10	160	0.47	1.72	0.01	0.13	54.9	1.3	20
ZZ65128		0.47	0.022	0.91	0.94	119.0	<0.2	<10	210	0.50	1.47	0.02	0.29	42.5	2.3	21
ZZ65129		0.38	0.021	0.61	0.98	122.5	<0.2	<10	140	0.54	1.60	0.01	0.20	40.3	2.4	22
ZZ65130		0.47	0.015	0.67	1.09	124.0	<0.2	<10	180	0.65	1.26	0.02	0.34	41.3	2.9	23
ZZ65131		0.48	0.023	0.66	1.70	165.0	<0.2	<10	470	1.60	1.31	0.06	0.87	37.9	11.1	20
ZZ65132		0.33	0.016	2.14	2.88	193.5	<0.2	<10	400	1.70	1.09	0.09	1.82	36.7	7.0	50
ZZ65133		0.33	0.012	1.16	2.24	76.5	<0.2	<10	240	2.15	0.81	0.39	9.54	33.2	10.0	20
ZZ65134		0.29	0.015	1.87	2.10	66.8	<0.2	<10	270	1.43	0.94	0.08	2.40	33.2	5.1	35
ZZ65135		0.28	0.038	1.31	3.09	657	<0.2	<10	90	1.89	4.84	0.28	0.81	77.8	77.5	19
ZZ65136		0.22	0.026	0.62	2.06	115.5	<0.2	<10	110	0.66	1.73	0.20	0.57	19.95	11.9	24
ZZ65137		0.34	0.038	0.75	2.53	383	<0.2	<10	170	0.68	3.78	0.05	0.13	15.40	3.5	40
ZZ65138		0.31	0.111	0.21	2.24	160.5	<0.2	<10	130	0.93	1.77	0.12	0.52	22.9	12.9	28
ZZ65139		0.24	0.006	0.26	1.34	267	<0.2	<10	110	0.52	3.43	0.11	0.70	21.7	11.9	25
ZZ65140		0.31	0.004	0.39	2.73	194.5	<0.2	<10	160	1.57	1.47	0.26	0.68	30.2	18.6	26
ZZ65141		0.28	0.001	0.19	1.74	31.1	<0.2	<10	130	0.62	0.67	0.10	0.74	16.05	4.0	27
ZZ65142		0.28	<0.001	0.07	0.29	4.3	<0.2	<10	30	0.07	0.19	0.04	0.46	1.72	1.6	2
ZZ65143		0.34	0.002	0.24	1.76	78.3	<0.2	<10	100	0.92	1.11	0.06	0.68	25.0	11.1	25
ZZ65144		0.37	<0.001	0.84	1.20	102.5	<0.2	<10	150	0.61	1.63	0.07	0.95	26.5	6.8	22
ZZ65145		0.34	<0.001	0.12	0.64	7.2	<0.2	<10	30	0.17	0.26	0.04	0.22	5.37	1.9	4
ZZ65146		0.31	<0.001	0.20	0.49	28.1	<0.2	<10	50	0.14	0.40	0.04	0.21	6.39	1.8	6
ZZ65147		0.40	0.003	0.33	1.26	78.9	<0.2	<10	200	0.67	1.07	0.07	0.58	35.0	6.4	17
ZZ65148		0.34	0.004	0.20	0.74	172.0	<0.2	<10	120	0.31	2.42	0.04	1.47	23.0	4.9	18
ZZ65149		0.32	0.001	0.22	0.58	35.5	<0.2	<10	40	0.29	0.36	0.04	0.43	6.35	2.3	5
ZZ65150		0.45	0.018	1.08	1.65	144.0	<0.2	<10	220	1.59	1.81	0.12	4.34	31.3	9.5	20
ZZ65151		0.42	0.019	0.89	0.90	90.5	<0.2	<10	390	0.82	0.88	0.02	0.68	42.9	4.2	21
ZZ65152		0.42	0.017	1.09	0.97	108.0	<0.2	<10	340	0.83	0.83	0.02	0.58	38.0	4.5	21
ZZ65153		0.33	0.002	0.79	0.76	51.3	<0.2	<10	90	0.33	0.47	0.05	0.33	15.95	2.8	11
ZZ65154		0.40	0.007	2.57	1.09	80.9	<0.2	<10	290	0.57	1.22	0.02	1.18	60.4	4.2	18
ZZ65155		0.38	0.004	1.14	0.76	493	<0.2	<10	160	0.48	1.58	0.03	0.87	58.6	3.8	16
ZZ65156		0.33	0.013	8.15	0.55	732	<0.2	<10	250	0.18	19.25	0.05	1.16	47.9	1.8	12
ZZ65157		0.36	0.038	2.41	0.97	1080	<0.2	<10	500	0.56	2.79	0.07	4.58	47.8	4.9	19
ZZ65158		0.31	0.014	3.19	1.57	70.2	<0.2	<10	180	0.77	0.57	0.08	1.98	34.2	7.2	28
ZZ65159		0.34	0.009	0.60	1.35	65.3	<0.2	<10	260	1.03	0.73	0.07	1.11	36.6	7.6	21
ZZ65160		0.41	0.020	1.10	1.24	164.5	<0.2	<10	240	0.95	1.26	0.05	0.61	34.4	6.1	35

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Finalized Date: 11- AUG- 2012
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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65121		1.65	65.2	4.41	2.97	0.09	<0.02	0.18	0.269	0.07	29.8	7.6	0.31	496	6.58	0.01
ZZ65122		3.72	120.5	6.03	3.95	0.09	0.04	0.07	0.148	0.10	25.5	3.6	0.09	213	6.42	0.01
ZZ65123		0.74	39.0	3.14	2.45	0.07	0.03	0.06	0.049	0.04	24.2	4.8	0.30	233	4.14	<0.01
ZZ65124		0.43	37.5	4.85	2.92	0.07	0.06	0.03	0.060	0.02	23.3	7.0	0.54	192	3.78	<0.01
ZZ65125		1.30	34.8	4.06	4.48	0.06	<0.02	0.03	0.055	0.05	18.1	10.7	0.45	572	7.58	<0.01
ZZ65126		3.68	10.3	4.49	1.88	0.15	0.08	<0.01	0.052	0.46	75.0	2.2	0.03	26	6.92	0.01
ZZ65127		2.33	94.7	7.49	4.41	0.14	0.11	0.04	0.097	0.07	31.8	4.7	0.16	59	95.8	<0.01
ZZ65128		2.82	83.2	7.31	5.16	0.11	0.24	0.02	0.088	0.09	24.0	9.5	0.24	99	77.2	0.01
ZZ65129		2.51	103.5	7.39	5.46	0.10	0.19	0.02	0.095	0.07	23.9	5.9	0.16	89	85.1	0.01
ZZ65130		2.72	99.8	6.67	5.45	0.11	0.18	0.04	0.104	0.08	23.7	9.1	0.23	105	75.6	0.01
ZZ65131		7.11	153.5	7.68	4.39	0.11	0.22	0.02	0.101	0.16	22.3	20.8	0.36	165	69.7	0.03
ZZ65132		7.19	98.0	6.63	8.75	0.14	0.11	0.07	0.122	0.35	21.7	41.6	1.44	258	60.4	0.03
ZZ65133		4.36	83.1	4.92	4.34	0.09	0.03	0.05	0.102	0.09	17.3	24.2	0.54	199	36.1	0.03
ZZ65134		4.42	79.3	5.61	5.65	0.09	0.04	0.11	0.111	0.11	20.0	24.8	0.37	172	45.4	0.02
ZZ65135		6.89	515	6.75	6.13	0.15	0.07	0.08	0.073	0.11	36.8	20.7	0.48	1610	22.3	0.01
ZZ65136		7.56	141.5	5.45	8.02	<0.05	0.02	0.08	0.038	0.19	9.0	14.8	0.44	466	4.28	0.01
ZZ65137		9.99	271	15.95	10.55	0.19	0.09	0.06	0.048	0.51	6.9	15.5	1.05	222	4.66	0.02
ZZ65138		5.36	85.6	3.98	6.66	0.05	0.04	0.05	0.031	0.14	11.6	24.3	0.57	272	5.27	0.02
ZZ65139		3.10	52.3	3.53	6.10	<0.05	0.02	0.04	0.037	0.10	10.1	13.4	0.39	410	4.42	0.02
ZZ65140		8.39	84.1	3.93	6.85	0.05	0.02	0.06	0.040	0.12	13.9	21.1	0.43	448	4.20	0.02
ZZ65141		4.21	35.3	3.26	8.31	<0.05	0.04	0.05	0.028	0.11	8.2	13.8	0.40	269	2.93	0.02
ZZ65142		0.19	3.3	0.47	1.48	<0.05	<0.02	0.03	0.008	0.02	0.9	0.4	0.02	250	0.46	0.03
ZZ65143		4.79	62.0	3.81	6.16	0.05	<0.02	0.04	0.058	0.09	12.0	18.3	0.40	389	3.91	0.02
ZZ65144		10.70	38.1	3.98	6.60	<0.05	0.04	0.08	0.044	0.13	12.6	9.3	0.24	309	4.59	0.03
ZZ65145		0.67	9.5	0.69	2.44	<0.05	<0.02	0.04	0.011	0.02	2.7	1.2	0.04	152	0.85	0.03
ZZ65146		0.89	10.1	1.07	2.25	<0.05	<0.02	0.03	0.013	0.04	3.4	2.2	0.06	117	1.44	0.03
ZZ65147		3.14	36.9	3.52	3.76	0.05	0.02	0.06	0.047	0.11	18.5	13.2	0.29	221	4.42	0.03
ZZ65148		4.20	40.9	3.08	5.76	<0.05	<0.02	0.03	0.037	0.07	11.4	4.2	0.14	197	12.35	0.01
ZZ65149		0.72	12.1	0.90	2.05	<0.05	<0.02	0.03	0.018	0.03	3.2	2.4	0.07	178	2.23	0.03
ZZ65150		4.27	120.0	4.81	4.86	0.09	0.12	0.07	0.115	0.14	17.8	18.9	0.38	197	60.1	0.04
ZZ65151		2.21	94.2	5.34	4.52	0.08	0.19	0.08	0.092	0.12	25.6	10.3	0.21	116	66.7	0.03
ZZ65152		2.39	99.8	5.52	4.45	0.08	0.17	0.07	0.089	0.11	22.5	9.8	0.22	123	62.0	0.04
ZZ65153		1.36	33.0	3.38	3.22	<0.05	<0.02	0.04	0.040	0.05	8.7	2.6	0.08	142	8.38	0.03
ZZ65154		2.20	68.2	4.58	2.95	0.09	0.05	0.39	0.262	0.11	33.4	5.0	0.29	158	30.5	0.03
ZZ65155		1.81	72.6	3.63	3.09	0.08	0.03	0.10	0.139	0.08	29.8	5.0	0.13	129	17.15	0.03
ZZ65156		1.02	52.0	3.01	3.49	0.08	0.02	0.27	0.340	0.10	27.2	1.9	0.04	71	27.1	0.03
ZZ65157		2.03	99.1	3.59	4.18	0.12	<0.02	7.32	0.383	0.09	27.3	7.6	0.18	178	44.7	0.05
ZZ65158		3.69	116.0	4.25	5.31	0.09	0.02	0.27	0.101	0.09	19.2	14.1	0.30	249	40.0	0.02
ZZ65159		4.40	94.3	5.87	5.23	0.09	0.02	0.09	0.083	0.15	20.3	8.8	0.23	297	53.8	0.04
ZZ65160		3.94	195.5	10.10	7.81	0.11	0.04	0.12	0.102	0.23	20.2	6.5	0.20	204	88.1	0.04

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65121		0.26	52.0	710	1080	6.4	0.001	0.12	436	3.5	5.2	3.0	30.0	<0.01	0.07	5.0
ZZ65122		0.31	28.6	1150	132.5	9.9	0.002	0.19	25.8	14.6	4.9	1.3	53.0	<0.01	0.18	6.5
ZZ65123		0.16	33.8	500	135.0	3.1	0.001	0.06	14.40	3.5	4.3	1.2	31.3	<0.01	0.05	7.1
ZZ65124		0.07	82.8	590	135.5	1.7	0.002	0.03	13.80	5.0	4.3	2.9	56.4	<0.01	0.04	9.2
ZZ65125		0.44	32.9	1140	75.0	8.4	0.002	0.05	19.35	1.6	2.6	1.0	40.4	<0.01	0.08	1.0
ZZ65126		<0.05	4.0	1100	69.4	21.0	0.003	0.96	4.78	1.4	2.5	0.3	46.2	<0.01	0.08	28.0
ZZ65127		0.11	11.8	1280	70.0	8.9	0.003	0.12	25.3	4.0	19.5	0.7	25.1	<0.01	0.34	7.9
ZZ65128		0.24	17.0	1250	63.3	10.6	0.004	0.16	21.0	5.8	18.3	1.0	20.7	<0.01	0.32	7.8
ZZ65129		0.22	14.6	1380	59.0	9.9	0.003	0.07	20.6	5.2	15.3	0.9	15.7	<0.01	0.34	7.8
ZZ65130		0.23	18.4	1430	59.3	10.6	0.002	0.09	18.65	5.7	17.3	0.9	19.9	<0.01	0.30	7.9
ZZ65131		0.61	99.3	1970	33.1	16.2	0.005	0.28	24.5	4.6	14.8	0.9	84.6	<0.01	0.44	8.4
ZZ65132		2.43	107.0	2330	56.6	32.8	0.007	0.75	25.1	7.5	19.5	1.2	210	0.01	0.31	5.9
ZZ65133		0.88	187.0	1190	26.6	11.9	0.005	0.21	20.7	2.0	14.3	0.7	75.6	0.01	0.24	0.9
ZZ65134		1.31	95.2	1450	31.5	15.6	0.003	0.24	23.3	1.5	15.1	1.1	61.2	0.01	0.22	0.4
ZZ65135		1.07	120.5	910	108.0	11.6	0.001	0.23	39.9	4.9	9.2	3.0	63.1	0.01	0.54	2.7
ZZ65136		1.62	29.3	1050	113.5	27.1	<0.001	0.16	81.8	3.2	3.8	3.2	24.6	0.01	0.22	1.1
ZZ65137		2.43	13.3	1340	31.1	43.2	<0.001	0.51	3.58	8.1	12.9	6.2	48.6	0.01	0.62	6.0
ZZ65138		1.97	50.5	350	13.3	20.3	<0.001	0.03	3.36	3.9	1.8	0.9	24.1	0.01	0.30	3.3
ZZ65139		1.18	30.1	540	32.8	14.5	<0.001	0.03	10.35	1.9	1.3	1.9	21.1	<0.01	0.16	0.6
ZZ65140		1.35	54.9	810	17.6	17.4	<0.001	0.06	5.19	2.3	2.8	0.9	47.9	0.01	0.12	0.8
ZZ65141		2.11	17.1	510	9.5	16.3	<0.001	0.04	2.21	2.7	0.7	0.8	36.2	<0.01	0.10	1.2
ZZ65142		0.15	1.7	450	1.9	1.4	<0.001	0.03	0.13	<0.1	<0.2	<0.2	8.1	<0.01	0.02	<0.2
ZZ65143		1.14	32.0	610	19.1	14.4	<0.001	0.04	4.49	1.9	2.2	1.1	13.2	<0.01	0.08	0.6
ZZ65144		2.32	24.6	500	27.8	20.8	<0.001	0.03	5.38	2.4	1.2	1.5	25.5	<0.01	0.12	2.2
ZZ65145		0.19	3.5	400	3.3	2.8	<0.001	0.02	0.81	0.1	<0.2	0.3	6.0	<0.01	0.02	<0.2
ZZ65146		0.27	6.0	340	7.5	5.0	<0.001	0.01	2.20	0.2	<0.2	0.4	8.1	<0.01	0.03	<0.2
ZZ65147		0.95	26.8	680	22.1	10.4	0.001	0.14	5.02	1.8	1.1	0.9	39.9	<0.01	0.08	1.8
ZZ65148		1.00	28.7	500	23.6	17.0	<0.001	0.02	8.20	0.9	1.3	2.1	13.3	<0.01	0.09	0.3
ZZ65149		0.23	9.0	460	10.6	2.8	<0.001	0.02	1.83	0.2	0.4	0.3	8.4	<0.01	0.04	<0.2
ZZ65150		1.42	106.5	1450	73.1	16.0	0.009	0.19	21.5	3.7	10.9	1.2	105.5	0.01	0.36	5.6
ZZ65151		0.31	39.0	1100	46.7	13.1	0.012	0.16	15.05	5.5	14.1	1.0	42.4	<0.01	0.27	7.6
ZZ65152		0.36	41.0	1110	79.7	12.5	0.011	0.14	17.20	5.2	13.8	1.2	37.2	<0.01	0.28	7.0
ZZ65153		0.28	16.3	850	34.2	6.6	<0.001	0.08	6.97	0.5	2.8	0.8	17.7	<0.01	0.13	0.2
ZZ65154		0.46	40.9	940	377	7.7	0.002	0.19	17.90	4.3	9.6	1.6	41.2	<0.01	0.16	6.5
ZZ65155		0.31	34.7	750	154.0	8.2	0.001	0.10	25.6	4.1	6.8	1.2	36.2	<0.01	0.14	6.4
ZZ65156		0.21	8.6	900	498	7.3	0.001	0.16	53.4	3.1	14.1	1.5	55.3	<0.01	0.25	3.3
ZZ65157		0.24	35.3	1420	754	9.9	0.004	0.16	151.0	1.4	25.1	3.4	148.0	<0.01	0.34	0.3
ZZ65158		0.51	58.3	1210	45.8	11.5	0.011	0.13	39.2	1.7	17.1	0.8	33.7	<0.01	0.19	0.6
ZZ65159		0.62	42.9	1180	45.8	13.9	0.007	0.29	33.5	3.6	11.8	0.6	26.1	0.01	0.32	1.9
ZZ65160		0.87	35.1	1680	122.0	21.3	0.009	0.48	67.6	6.8	21.8	1.2	37.9	<0.01	0.44	5.5

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65121		0.013	0.83	4.05	41	0.14	11.35	400	0.6	
ZZ65122		0.012	1.21	4.57	91	0.10	6.29	237	2.6	
ZZ65123		0.008	0.37	3.03	35	0.07	10.15	261	1.9	
ZZ65124		<0.005	0.18	4.01	50	0.07	12.55	595	2.9	
ZZ65125		0.035	0.25	2.30	84	0.31	6.00	188	<0.5	
ZZ65126		<0.005	0.69	2.93	6	0.12	12.80	44	5.1	
ZZ65127		0.006	1.31	6.51	136	0.34	9.33	135	6.6	
ZZ65128		0.015	2.24	6.87	134	0.27	8.55	190	13.5	
ZZ65129		0.010	1.88	6.77	147	0.29	8.73	149	11.0	
ZZ65130		0.013	1.72	8.47	150	0.28	11.25	156	10.1	
ZZ65131		0.050	1.24	20.4	183	0.32	16.50	391	13.8	
ZZ65132		0.145	2.01	14.75	642	0.56	19.15	544	7.1	
ZZ65133		0.053	0.85	13.35	276	0.29	18.05	1400	1.2	
ZZ65134		0.062	0.88	16.10	487	0.37	14.80	665	1.9	
ZZ65135		0.043	0.32	6.10	48	0.34	33.6	151	2.1	
ZZ65136		0.056	0.40	1.33	73	0.92	5.19	174	0.7	
ZZ65137		0.133	0.89	1.52	108	0.19	4.76	66	4.2	
ZZ65138		0.078	0.34	2.26	67	0.30	4.94	119	1.6	
ZZ65139		0.049	0.24	1.18	70	0.23	3.71	106	0.6	
ZZ65140		0.052	0.36	1.72	64	0.21	7.39	181	0.7	
ZZ65141		0.090	0.28	0.77	89	0.17	3.24	101	1.6	
ZZ65142		0.010	0.03	0.42	14	<0.05	0.41	10	<0.5	
ZZ65143		0.048	0.28	1.13	63	0.23	6.18	158	0.6	
ZZ65144		0.094	0.35	1.02	80	0.28	3.75	125	1.7	
ZZ65145		0.016	0.06	0.42	17	0.06	1.49	20	<0.5	
ZZ65146		0.021	0.09	0.43	25	0.09	0.96	33	<0.5	
ZZ65147		0.033	0.20	1.54	40	0.20	4.29	135	0.9	
ZZ65148		0.040	0.22	1.61	111	0.34	3.12	144	0.5	
ZZ65149		0.015	0.08	0.90	30	0.07	1.57	52	<0.5	
ZZ65150		0.064	0.90	17.80	257	0.32	21.6	680	7.2	
ZZ65151		0.016	1.95	9.50	178	0.17	13.70	259	11.3	
ZZ65152		0.018	2.09	9.49	177	0.18	12.10	261	9.3	
ZZ65153		0.018	0.29	1.71	69	0.14	2.41	118	<0.5	
ZZ65154		0.013	1.18	6.88	86	0.17	8.16	330	2.7	
ZZ65155		0.009	1.19	4.86	63	0.11	7.44	214	1.3	
ZZ65156		0.008	1.19	5.36	79	0.18	6.68	73	1.0	
ZZ65157		0.016	0.97	10.60	189	0.22	9.47	238	<0.5	
ZZ65158		0.025	1.22	11.10	309	0.29	9.24	309	0.5	
ZZ65159		0.037	1.37	7.80	135	0.29	9.41	241	0.8	
ZZ65160		0.043	2.76	13.70	241	0.38	9.89	244	2.4	

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Finalized Date: 11- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65161		0.36	0.016	0.95	2.08	75.5	<0.2	<10	200	1.52	0.88	0.11	3.35	31.5	8.6	27
ZZ65162		0.38	0.023	0.89	2.46	187.0	<0.2	<10	220	2.16	2.05	0.13	3.03	30.7	9.0	22
ZZ65163		0.31	0.014	0.96	1.97	80.7	<0.2	<10	240	1.46	1.01	0.09	1.61	28.8	6.3	23
ZZ65164		0.37	0.004	1.03	1.76	57.0	<0.2	<10	150	1.00	0.86	0.09	1.99	22.0	6.2	24
ZZ65165		0.41	0.008	0.47	1.91	45.9	<0.2	<10	170	1.05	0.69	0.09	1.37	18.60	4.1	24
ZZ65166		0.30	0.002	0.62	1.71	58.6	<0.2	<10	160	1.44	1.11	0.08	1.77	21.8	6.5	20
ZZ65167		0.34	0.003	0.38	1.04	45.6	<0.2	<10	140	0.68	0.70	0.05	0.98	20.9	5.6	17
ZZ65168		0.37	0.008	0.72	1.52	152.5	<0.2	<10	160	0.98	10.20	0.13	0.72	34.0	10.3	20
ZZ65169		0.31	0.099	1.50	1.05	1425	<0.2	<10	130	0.42	14.25	0.04	0.61	21.8	5.3	18
ZZ65170		0.34	0.012	2.60	1.63	249	<0.2	<10	90	0.66	22.4	0.09	0.33	28.8	8.7	25
ZZ65171		0.28	0.035	0.98	2.63	559	<0.2	<10	230	0.61	6.54	0.08	0.12	19.30	5.9	33
ZZ65172		0.33	0.006	0.49	1.76	575	<0.2	<10	130	0.85	3.71	0.09	0.71	25.5	10.9	21
ZZ65173		0.34	0.020	0.40	1.98	139.0	<0.2	<10	160	0.60	1.44	0.12	0.25	31.9	7.0	25
ZZ65174		0.33	0.006	0.25	1.53	168.5	<0.2	<10	150	0.71	1.75	0.13	0.34	23.8	9.6	21
ZZ65175		0.31	0.013	1.55	1.38	212	<0.2	<10	230	1.80	16.90	0.10	3.60	59.5	21.3	21
ZZ65176		0.23	0.001	0.57	0.78	187.5	<0.2	<10	90	0.27	3.01	0.07	0.73	13.40	11.4	12
ZZ65177		0.34	0.008	0.44	1.38	632	<0.2	<10	120	1.08	3.34	0.08	0.68	43.4	16.1	23
ZZ65178		0.36	0.003	0.27	1.10	96.4	<0.2	<10	160	0.75	1.23	0.05	0.58	27.0	11.7	21
ZZ65179		0.26	<0.001	0.12	0.80	6.8	<0.2	<10	40	0.23	0.19	0.07	0.23	4.30	1.6	2
ZZ65180		0.37	0.002	0.29	0.74	45.5	<0.2	<10	200	0.47	0.60	0.03	0.34	32.1	2.6	11
ZZ65181		0.30	0.010	0.29	0.94	70.5	<0.2	<10	170	0.35	1.01	0.04	0.30	29.6	3.7	17
ZZ65182		0.36	0.002	0.53	1.13	74.0	<0.2	<10	370	0.68	0.99	0.05	0.42	41.8	5.4	22
ZZ65183		0.31	0.006	0.37	1.26	141.5	<0.2	<10	140	0.77	2.66	0.05	0.85	35.7	9.3	20
ZZ65184		0.36	0.003	0.38	1.75	87.3	<0.2	<10	140	1.17	0.89	0.08	1.72	29.9	6.7	28
ZZ65185		0.35	0.002	0.34	0.78	126.0	<0.2	<10	130	0.40	1.13	0.05	0.74	14.75	5.2	16
ZZ65186		0.40	0.006	0.48	1.34	108.5	<0.2	<10	170	0.74	1.26	0.06	0.90	24.9	5.5	25
ZZ65187		0.39	0.027	1.58	2.47	128.0	<0.2	<10	270	2.41	2.10	0.21	5.71	38.4	15.7	26
ZZ65188		0.30	0.008	0.54	1.40	363	<0.2	<10	210	0.72	1.98	0.05	1.53	25.8	4.5	25
ZZ65189		0.32	0.006	1.73	2.10	74.4	<0.2	<10	210	1.50	0.70	0.18	6.27	29.5	14.7	34
ZZ65190		0.47	0.018	0.74	0.78	78.7	<0.2	<10	350	0.80	0.70	0.02	0.50	37.9	4.0	19
ZZ65191		0.34	0.022	0.81	1.00	83.0	<0.2	<10	460	1.04	0.83	0.02	0.84	50.3	6.2	21
ZZ65192		0.41	0.025	1.21	1.49	136.0	<0.2	<10	310	0.91	1.43	0.04	1.08	49.7	8.5	25
ZZ65193		0.57	0.021	1.28	1.45	119.0	<0.2	<10	240	0.92	1.31	0.02	0.82	44.5	10.6	26
ZZ65194		0.44	0.031	2.18	0.80	120.5	<0.2	<10	460	0.43	1.36	0.03	0.46	73.2	2.6	22
ZZ65195		0.54	0.032	1.36	0.75	149.0	<0.2	<10	410	0.40	2.50	0.01	0.25	78.5	1.2	20
ZZ65196		0.52	0.018	2.10	1.31	160.0	<0.2	<10	310	0.75	1.87	0.03	0.67	55.2	7.4	25
ZZ65197		0.40	0.025	0.93	0.77	61.0	<0.2	<10	120	0.48	1.55	0.02	0.37	37.1	3.4	19
ZZ65201		0.20	0.001	0.59	0.51	26.1	<0.2	<10	40	0.11	0.43	0.05	0.19	4.26	2.2	7
ZZ65202		0.22	0.009	0.64	1.69	365	<0.2	<10	130	0.60	2.72	0.06	0.86	30.0	11.0	27
ZZ65203		0.28	0.020	0.68	1.59	87.5	<0.2	<10	60	0.52	3.00	0.08	0.23	34.0	9.7	24

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65161		3.55	81.7	4.64	5.71	0.09	0.04	0.07	0.096	0.10	19.7	20.0	0.36	225	41.7	0.04
ZZ65162		5.05	206	7.05	5.31	0.13	0.20	0.07	0.162	0.14	17.6	18.8	0.35	175	87.8	0.05
ZZ65163		4.18	92.7	5.28	5.82	0.08	0.05	0.05	0.126	0.15	16.7	18.6	0.43	205	48.2	0.05
ZZ65164		2.46	60.0	3.31	4.95	0.05	0.02	0.09	0.101	0.07	12.3	13.5	0.31	253	15.95	0.03
ZZ65165		3.02	54.4	3.34	6.67	0.06	<0.02	0.08	0.060	0.08	9.9	13.8	0.29	229	22.3	0.03
ZZ65166		2.93	76.7	3.79	4.80	0.06	0.03	0.08	0.049	0.08	12.1	14.8	0.32	190	24.1	0.03
ZZ65167		2.46	37.3	2.97	4.38	<0.05	<0.02	0.05	0.037	0.06	11.3	7.5	0.33	330	16.50	0.03
ZZ65168		2.76	34.6	3.74	4.57	0.06	0.02	0.06	0.036	0.06	16.6	15.5	0.35	244	5.55	0.03
ZZ65169		2.22	95.8	5.56	5.42	0.05	<0.02	0.09	0.028	0.07	11.1	5.5	0.22	236	13.75	0.03
ZZ65170		3.66	133.0	6.19	5.81	0.06	0.04	0.06	0.030	0.06	13.2	18.4	0.41	235	5.29	0.02
ZZ65171		11.55	475	7.81	9.14	0.25	0.04	0.13	0.055	0.52	8.2	28.8	1.09	314	9.53	0.02
ZZ65172		4.31	97.8	3.41	5.12	0.05	0.02	0.09	0.081	0.07	11.5	13.7	0.26	442	6.71	0.01
ZZ65173		7.43	214	5.33	5.98	0.10	0.03	0.11	0.035	0.12	12.8	22.5	0.38	245	5.45	0.02
ZZ65174		5.05	88.5	2.94	5.12	0.05	0.02	0.11	0.024	0.08	10.8	16.5	0.33	332	4.28	0.02
ZZ65175		6.55	192.0	6.13	4.02	0.24	0.05	0.20	0.159	0.11	30.7	19.2	0.41	419	78.6	0.01
ZZ65176		3.52	35.7	2.12	3.42	<0.05	<0.02	0.08	0.018	0.06	5.7	4.3	0.12	932	2.51	0.03
ZZ65177		5.50	110.5	5.31	4.58	0.14	0.03	0.10	0.055	0.08	16.8	19.7	0.31	625	5.08	0.02
ZZ65178		4.39	64.8	4.21	3.82	0.08	<0.02	0.09	0.027	0.08	11.5	11.7	0.22	932	3.75	0.02
ZZ65179		0.24	9.5	0.55	2.47	<0.05	<0.02	0.06	0.006	0.03	2.0	0.5	0.02	157	1.18	0.04
ZZ65180		3.96	27.5	2.12	2.47	<0.05	0.02	0.06	0.041	0.09	17.6	4.1	0.09	78	11.95	0.01
ZZ65181		2.68	28.6	3.35	4.55	0.06	0.02	0.07	0.040	0.06	15.1	7.6	0.16	119	15.65	0.01
ZZ65182		5.01	41.7	5.18	4.31	0.13	0.04	0.08	0.084	0.26	23.6	15.4	0.31	146	23.1	0.04
ZZ65183		3.36	36.5	4.33	4.32	0.09	0.02	0.09	0.049	0.08	16.8	11.0	0.24	312	15.05	0.01
ZZ65184		3.24	49.8	3.73	5.21	0.08	0.03	0.10	0.077	0.07	15.6	15.0	0.34	196	16.70	0.01
ZZ65185		2.48	34.5	2.44	3.67	<0.05	<0.02	0.08	0.057	0.05	7.7	4.2	0.15	574	16.55	0.01
ZZ65186		2.58	46.1	3.70	5.13	0.08	0.02	0.09	0.084	0.07	12.8	10.8	0.27	231	16.80	0.02
ZZ65187		5.72	167.5	6.10	5.57	0.21	0.13	0.07	0.219	0.20	19.8	32.3	0.53	295	72.2	0.03
ZZ65188		2.89	45.9	3.84	5.11	0.09	0.03	0.08	0.073	0.07	13.9	11.3	0.24	132	24.0	0.02
ZZ65189		4.48	85.1	3.58	5.47	0.12	0.05	0.12	0.059	0.10	14.3	34.5	1.30	619	29.3	0.02
ZZ65190		2.30	86.3	4.93	3.92	0.17	0.18	0.12	0.081	0.10	19.5	11.3	0.16	91	64.6	0.01
ZZ65191		2.84	107.0	5.71	4.37	0.19	0.19	0.12	0.100	0.14	26.0	14.4	0.23	123	68.8	0.02
ZZ65192		3.16	139.5	7.63	5.66	0.28	0.14	0.07	0.132	0.13	26.3	17.2	0.40	213	76.2	0.02
ZZ65193		2.99	144.0	7.76	5.20	0.26	0.13	0.08	0.121	0.12	23.4	17.5	0.45	224	72.1	0.02
ZZ65194		2.02	67.6	6.23	4.33	0.24	0.14	0.06	0.149	0.23	39.1	5.8	0.14	88	85.7	0.02
ZZ65195		2.20	81.6	6.59	4.92	0.28	0.22	0.08	0.175	0.12	41.6	3.6	0.08	40	119.5	0.02
ZZ65196		3.70	127.0	8.38	5.23	0.26	0.08	0.07	0.151	0.20	32.6	13.5	0.34	215	86.8	0.02
ZZ65197		2.35	97.8	7.76	4.29	0.25	0.04	0.07	0.086	0.06	20.0	5.3	0.11	97	54.9	0.02
ZZ65201		1.21	21.6	1.16	2.62	<0.05	<0.02	0.08	0.009	0.03	2.0	1.8	0.07	81	1.58	0.03
ZZ65202		5.38	150.5	4.51	6.35	0.08	0.02	0.09	0.081	0.12	13.3	19.7	0.46	380	6.71	0.01
ZZ65203		5.83	208	4.69	5.28	0.09	0.03	0.11	0.040	0.06	13.7	18.5	0.39	239	5.15	0.01

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65161		1.38	150.5	1390	33.1	14.4	0.005	0.16	23.3	2.5	14.8	0.9	70.5	0.01	0.27	1.2
ZZ65162		1.44	152.5	1980	41.0	16.3	0.011	0.27	33.2	4.4	22.3	1.1	117.5	0.01	0.48	7.4
ZZ65163		1.00	66.5	1350	84.2	19.1	0.002	0.22	28.9	3.1	11.4	1.3	104.5	0.01	0.28	3.1
ZZ65164		0.59	39.2	1290	82.5	13.2	0.002	0.11	7.61	0.8	6.3	0.8	44.9	<0.01	0.11	0.3
ZZ65165		0.70	39.3	1100	29.4	13.9	<0.001	0.14	9.39	0.4	6.1	0.9	61.9	<0.01	0.19	<0.2
ZZ65166		0.62	61.2	920	18.4	12.1	0.004	0.12	7.57	1.2	7.3	0.5	50.7	<0.01	0.16	0.4
ZZ65167		0.28	51.3	880	12.7	11.3	0.001	0.07	4.33	0.3	3.0	0.7	21.9	<0.01	0.12	<0.2
ZZ65168		0.88	43.6	600	28.5	9.8	0.001	0.06	2.74	2.2	2.3	0.8	25.4	0.01	0.88	1.6
ZZ65169		0.40	33.0	1110	125.5	10.3	0.001	0.12	13.35	0.4	5.8	14.5	15.5	<0.01	0.52	<0.2
ZZ65170		0.92	43.1	870	66.8	9.9	0.001	0.09	9.82	2.8	6.0	2.0	35.7	0.01	0.14	2.4
ZZ65171		2.76	19.5	1220	20.6	52.7	0.001	0.24	3.05	6.7	10.0	2.2	48.2	0.01	0.37	2.0
ZZ65172		1.11	27.6	720	63.2	12.9	0.001	0.07	24.6	1.1	2.1	3.1	29.4	<0.01	0.20	0.3
ZZ65173		1.59	31.1	940	27.9	14.9	0.001	0.10	6.74	3.3	3.4	2.2	72.1	0.02	0.19	1.4
ZZ65174		0.98	22.6	720	17.2	13.0	<0.001	0.05	3.01	1.4	1.8	1.0	44.7	0.01	0.18	0.2
ZZ65175		0.56	209	1240	51.8	11.8	0.005	0.10	21.4	3.0	9.0	2.7	53.9	0.01	0.48	1.1
ZZ65176		0.32	11.8	650	52.6	11.1	<0.001	0.05	14.85	0.5	1.0	3.2	12.7	<0.01	0.09	<0.2
ZZ65177		0.69	52.9	690	79.6	12.2	0.001	0.05	24.4	2.4	3.2	3.9	18.3	0.01	0.16	0.8
ZZ65178		0.44	30.8	740	49.6	11.8	0.001	0.06	14.50	1.1	2.1	2.8	13.0	<0.01	0.11	0.2
ZZ65179		0.34	3.6	500	3.8	1.2	<0.001	0.03	0.23	0.3	0.7	<0.2	9.3	<0.01	0.02	<0.2
ZZ65180		0.21	14.2	910	25.6	10.1	0.001	0.10	3.40	0.4	1.4	0.7	31.3	<0.01	0.10	0.2
ZZ65181		1.19	16.9	470	29.6	9.8	0.001	0.06	5.60	1.8	1.7	1.0	22.6	<0.01	0.12	2.0
ZZ65182		1.67	26.0	760	31.6	18.3	0.002	0.56	7.57	2.9	4.9	1.1	47.1	0.01	0.13	4.9
ZZ65183		0.61	50.8	800	26.8	12.1	0.001	0.10	5.01	1.2	3.1	1.2	21.6	<0.01	0.18	0.3
ZZ65184		0.84	44.0	940	26.0	12.6	0.003	0.08	8.04	1.2	5.5	0.9	29.0	0.01	0.14	0.2
ZZ65185		0.33	25.5	850	63.3	10.3	0.001	0.07	6.19	0.5	3.7	1.1	16.7	<0.01	0.15	<0.2
ZZ65186		0.60	34.4	920	59.7	13.6	0.002	0.09	9.17	0.7	4.7	1.9	26.6	<0.01	0.17	<0.2
ZZ65187		1.33	147.0	2120	183.5	20.3	0.007	0.24	33.8	4.9	17.2	2.9	148.0	0.02	0.44	6.4
ZZ65188		1.02	43.3	1070	25.1	13.4	0.004	0.14	9.69	0.9	7.2	1.3	40.4	<0.01	0.35	<0.2
ZZ65189		0.80	140.5	1570	27.6	17.0	0.005	0.12	17.50	1.5	10.3	0.9	39.0	0.01	0.19	0.2
ZZ65190		0.47	35.0	860	38.8	11.7	0.022	0.11	15.00	5.0	13.3	1.0	32.5	0.01	0.32	6.5
ZZ65191		0.50	46.0	1080	46.8	14.3	0.012	0.16	17.20	5.8	14.7	1.1	38.2	0.01	0.34	7.7
ZZ65192		0.54	42.8	1750	108.5	12.0	0.004	0.20	31.7	7.0	19.7	1.5	44.9	0.01	0.36	9.9
ZZ65193		0.53	49.1	1600	107.0	10.3	0.005	0.20	32.0	6.6	21.3	1.2	38.0	0.01	0.35	9.5
ZZ65194		0.30	24.9	2120	75.5	15.6	0.003	0.50	30.9	6.0	21.2	1.7	100.5	0.01	0.40	9.1
ZZ65195		0.26	8.5	1550	76.4	11.6	0.003	0.21	33.2	5.6	29.5	1.7	61.3	0.01	0.57	10.3
ZZ65196		0.63	39.1	2020	178.0	15.3	0.003	0.45	73.1	5.8	23.7	1.1	81.5	0.01	0.43	7.4
ZZ65197		0.52	14.0	1860	87.1	6.1	0.002	0.13	42.3	4.7	33.9	0.7	24.1	<0.01	0.38	4.8
ZZ65201		0.30	5.2	390	5.9	4.5	<0.001	0.03	1.00	0.3	0.5	0.4	10.2	<0.01	0.04	<0.2
ZZ65202		1.19	26.4	700	53.7	20.2	0.001	0.07	13.25	1.9	2.6	8.1	25.0	<0.01	0.16	0.4
ZZ65203		1.25	41.0	800	16.4	8.8	<0.001	0.06	2.77	2.8	4.1	2.2	42.3	0.02	0.20	1.2

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

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Finalized Date: 11- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65161		0.068	0.80	14.25	381	0.35	15.25	1020	2.2	
ZZ65162		0.064	0.87	27.5	310	0.32	21.3	773	11.0	
ZZ65163		0.055	1.07	11.30	242	0.27	12.85	365	2.7	
ZZ65164		0.020	0.42	6.61	156	0.19	7.89	224	0.8	
ZZ65165		0.021	0.58	5.11	181	0.20	5.34	196	0.8	
ZZ65166		0.033	0.58	5.93	126	0.22	7.09	243	0.7	
ZZ65167		0.012	0.35	3.05	158	0.15	5.48	271	<0.5	
ZZ65168		0.032	0.21	2.05	49	3.18	7.32	136	0.9	
ZZ65169		0.013	0.18	3.30	151	0.39	4.71	146	<0.5	
ZZ65170		0.035	0.32	1.67	67	0.43	7.10	98	1.0	
ZZ65171		0.101	0.95	2.52	100	0.35	6.91	39	1.3	
ZZ65172		0.030	0.18	1.79	55	0.51	4.20	92	<0.5	
ZZ65173		0.052	0.30	1.98	69	0.27	7.73	94	0.7	
ZZ65174		0.038	0.21	1.23	51	0.34	4.80	54	<0.5	
ZZ65175		0.020	1.26	23.7	222	1.46	20.9	781	0.9	
ZZ65176		0.020	0.21	0.79	42	0.12	2.20	76	<0.5	
ZZ65177		0.031	0.31	2.17	56	0.22	7.84	208	<0.5	
ZZ65178		0.021	0.28	1.21	57	0.20	4.01	135	<0.5	
ZZ65179		0.017	0.07	1.24	14	0.05	1.45	11	<0.5	
ZZ65180		0.007	0.42	1.84	30	0.20	4.18	73	<0.5	
ZZ65181		0.032	0.41	1.63	81	0.30	3.46	90	0.7	
ZZ65182		0.048	0.96	2.84	61	0.32	5.03	121	1.6	
ZZ65183		0.025	0.29	2.90	65	0.22	6.87	232	<0.5	
ZZ65184		0.034	0.42	4.93	154	0.25	8.69	280	0.6	
ZZ65185		0.014	0.38	3.25	196	0.17	4.05	174	<0.5	
ZZ65186		0.022	0.39	4.03	184	0.25	5.95	221	<0.5	
ZZ65187		0.065	1.12	28.5	367	0.35	23.3	952	6.1	
ZZ65188		0.034	0.58	6.80	316	0.25	7.03	331	1.0	
ZZ65189		0.033	1.37	8.05	460	0.34	22.4	1520	0.7	
ZZ65190		0.018	1.72	9.47	157	0.17	12.20	219	11.4	
ZZ65191		0.020	2.26	10.85	169	0.20	15.10	322	11.7	
ZZ65192		0.018	1.43	13.70	225	0.26	11.15	240	10.5	
ZZ65193		0.018	1.27	13.95	213	0.24	10.90	256	9.1	
ZZ65194		0.009	1.61	11.65	309	0.19	13.25	221	9.4	
ZZ65195		0.007	2.03	8.25	207	0.27	11.15	88	14.4	
ZZ65196		0.021	1.92	12.65	203	0.30	10.10	227	4.0	
ZZ65197		0.016	1.08	11.05	158	0.32	8.28	184	1.9	
ZZ65201		0.021	0.06	0.48	24	0.34	0.89	19	<0.5	
ZZ65202		0.045	0.28	1.57	69	0.71	5.16	146	<0.5	
ZZ65203		0.033	0.18	1.39	60	0.49	7.88	56	0.6	

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65204		0.33	0.006	0.43	1.92	367	<0.2	<10	110	0.72	2.59	0.08	0.15	27.8	10.0	25
ZZ65205		0.21	0.024	0.77	1.23	572	<0.2	<10	80	0.67	4.91	0.12	1.19	34.1	18.1	17
ZZ65206		0.27	0.010	1.26	1.79	987	<0.2	<10	100	0.51	19.25	0.12	0.38	32.3	9.2	28
ZZ65207		0.31	0.006	1.42	1.34	160.0	<0.2	<10	120	0.50	1.86	0.09	0.52	30.9	11.9	24
ZZ65208		0.28	0.004	0.46	1.46	82.1	<0.2	<10	140	0.62	2.04	0.05	0.39	21.9	5.9	28
ZZ65209		0.20	<0.001	0.09	0.30	11.0	<0.2	<10	50	0.06	0.17	0.06	0.16	1.62	1.2	2
ZZ65210		0.26	0.012	0.23	0.78	14.5	<0.2	<10	110	0.30	0.34	0.06	0.24	11.95	3.6	13
ZZ65211		0.32	0.002	0.60	1.57	40.6	<0.2	<10	180	0.84	1.38	0.06	0.48	31.0	6.4	27
ZZ65212		0.33	0.001	0.22	1.29	80.5	<0.2	<10	120	0.62	2.70	0.06	0.55	25.1	6.0	17
ZZ65213		0.28	0.003	0.43	1.36	41.8	<0.2	<10	190	0.95	1.31	0.07	0.90	25.8	5.8	22
ZZ65214		0.22	0.004	0.23	0.66	11.5	<0.2	<10	50	0.23	0.21	0.04	0.25	5.83	2.1	6
ZZ65215		0.26	0.001	0.37	1.21	36.9	<0.2	<10	130	0.55	0.68	0.06	1.08	17.05	4.1	19
ZZ65216		0.37	0.009	1.01	1.71	86.0	<0.2	<10	170	1.10	0.98	0.06	1.45	22.5	5.0	26
ZZ65217		0.36	0.016	1.59	1.96	94.7	<0.2	<10	190	1.54	1.12	0.09	2.60	30.9	6.6	24
ZZ65218		0.34	0.017	1.23	2.21	312	<0.2	<10	160	1.56	5.01	0.13	4.15	34.0	9.0	33
ZZ65219		0.27	0.004	0.93	3.73	38.7	<0.2	<10	120	2.27	0.32	0.14	4.95	16.60	19.5	39
ZZ65220		0.26	0.006	1.42	2.47	77.2	<0.2	<10	180	1.71	0.50	0.10	2.78	21.6	11.7	34
ZZ65221		0.33	0.014	1.71	2.37	104.0	<0.2	<10	230	1.49	1.25	0.27	7.81	27.4	11.6	39
ZZ65222		0.33	0.021	0.77	0.93	95.6	<0.2	<10	440	1.02	0.89	0.02	0.96	44.4	4.9	20
ZZ65223		0.37	0.012	3.67	0.73	94.3	<0.2	<10	660	0.34	0.86	0.08	1.63	65.2	2.1	20
ZZ65224		0.33	0.012	2.20	0.57	84.5	<0.2	<10	410	0.47	1.42	0.02	0.42	46.6	2.2	17
ZZ65225		0.47	0.032	0.21	0.89	238	<0.2	<10	120	0.57	3.06	0.01	0.34	36.5	1.5	21
ZZ65226		0.46	0.019	0.94	1.10	139.0	<0.2	<10	80	0.75	1.53	0.01	0.26	36.7	2.0	26

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VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65204		6.63	233	4.63	6.18	0.09	0.02	0.07	0.038	0.14	12.2	22.8	0.58	243	5.54	0.02
ZZ65205		4.34	137.5	4.43	3.16	0.11	0.05	0.08	0.102	0.06	14.6	8.9	0.27	427	37.8	0.02
ZZ65206		4.87	211	6.01	6.05	0.14	0.03	0.09	0.089	0.09	12.9	19.3	0.46	269	5.02	0.02
ZZ65207		4.14	91.6	4.87	5.42	0.10	0.02	0.10	0.044	0.11	12.2	13.7	0.37	902	3.98	0.02
ZZ65208		2.69	52.0	4.61	4.48	0.08	0.04	0.10	0.032	0.08	10.6	20.4	0.36	208	3.85	0.01
ZZ65209		0.14	2.9	0.46	1.52	<0.05	<0.02	0.05	<0.005	0.02	0.8	0.2	0.02	101	0.66	0.04
ZZ65210		2.58	18.6	1.80	3.82	<0.05	<0.02	0.04	0.014	0.05	6.0	3.6	0.12	177	2.09	0.02
ZZ65211		3.73	43.9	4.77	4.26	<0.05	0.05	0.05	0.045	0.08	16.4	15.9	0.31	157	3.75	0.01
ZZ65212		1.81	27.8	3.20	4.44	<0.05	<0.02	0.03	0.025	0.05	11.2	8.9	0.26	274	3.16	0.01
ZZ65213		2.60	48.9	3.99	4.67	0.07	<0.02	0.06	0.045	0.08	14.6	11.8	0.33	296	28.9	0.02
ZZ65214		0.84	12.6	1.18	2.97	<0.05	<0.02	0.02	0.016	0.03	3.0	1.9	0.07	154	5.06	0.02
ZZ65215		1.90	32.5	2.74	4.86	<0.05	<0.02	0.04	0.053	0.05	8.5	6.4	0.17	259	10.70	0.01
ZZ65216		2.79	58.4	4.48	5.35	0.06	<0.02	0.06	0.087	0.07	13.4	13.9	0.31	168	24.1	0.01
ZZ65217		4.11	107.0	4.85	5.77	0.10	0.04	0.03	0.130	0.11	16.6	18.8	0.40	161	54.0	0.02
ZZ65218		3.72	87.4	4.74	6.45	0.09	0.04	0.04	0.135	0.10	18.6	19.3	0.41	217	35.4	0.02
ZZ65219		5.89	93.8	3.96	10.30	0.13	0.06	0.05	0.048	0.13	7.2	55.1	3.17	346	16.65	0.01
ZZ65220		4.89	110.5	4.19	6.74	0.11	0.04	0.05	0.063	0.12	11.7	37.2	1.71	365	37.3	0.02
ZZ65221		5.29	88.4	4.62	7.45	0.12	0.04	0.04	0.074	0.17	14.8	36.9	1.67	481	36.2	0.02
ZZ65222		2.76	108.5	5.77	4.43	0.10	0.20	0.13	0.095	0.12	24.6	11.3	0.21	105	78.2	0.01
ZZ65223		1.31	43.1	3.75	5.36	0.11	<0.02	0.04	0.177	0.20	36.4	3.9	0.10	113	73.1	0.01
ZZ65224		1.06	47.2	5.55	3.36	0.09	0.02	0.07	0.140	0.22	26.8	4.2	0.11	75	62.8	0.01
ZZ65225		2.79	93.2	9.68	5.12	0.15	0.10	0.10	0.129	0.06	20.6	9.9	0.32	108	122.5	<0.01
ZZ65226		3.68	128.0	8.85	6.40	0.12	0.21	0.03	0.101	0.06	20.5	8.8	0.34	95	84.7	0.01

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65204		1.30	31.7	710	16.9	18.0	<0.001	0.07	3.32	2.9	3.0	1.1	21.2	0.01	0.18	1.1
ZZ65205		0.56	99.9	1010	64.0	8.2	0.002	0.09	26.0	1.7	6.1	2.9	14.1	0.01	0.32	0.7
ZZ65206		0.97	33.9	990	161.5	12.2	0.001	0.07	70.1	3.3	6.0	11.2	22.8	0.01	0.28	1.4
ZZ65207		0.73	26.8	1120	160.5	15.8	<0.001	0.07	27.7	2.5	3.1	11.6	13.9	<0.01	0.15	0.7
ZZ65208		1.08	23.3	720	48.6	12.6	0.001	0.09	13.50	2.9	2.8	2.4	16.4	<0.01	0.11	1.9
ZZ65209		0.21	1.9	480	2.2	1.5	<0.001	0.04	0.15	0.2	<0.2	<0.2	11.0	<0.01	0.01	<0.2
ZZ65210		0.36	12.7	610	7.9	9.7	<0.001	0.06	1.29	0.3	0.8	0.4	28.9	<0.01	0.03	<0.2
ZZ65211		1.18	32.1	680	17.2	8.9	0.001	0.14	3.16	2.6	2.6	0.9	27.3	0.01	0.10	3.3
ZZ65212		0.41	23.0	770	18.6	8.9	0.001	0.08	2.12	0.6	2.3	0.7	14.0	<0.01	0.17	0.2
ZZ65213		0.36	72.1	1040	15.7	11.5	0.003	0.17	4.61	0.6	5.8	0.7	40.3	<0.01	0.31	<0.2
ZZ65214		0.20	9.7	500	8.3	3.8	<0.001	0.05	1.91	0.1	1.6	0.3	12.0	<0.01	0.06	<0.2
ZZ65215		0.38	20.8	970	48.7	11.1	0.001	0.10	4.78	0.2	4.5	0.9	24.7	<0.01	0.10	<0.2
ZZ65216		0.76	44.7	1010	67.2	12.2	0.002	0.14	15.30	0.7	9.1	1.3	39.4	<0.01	0.14	0.2
ZZ65217		1.05	89.6	1370	66.7	16.2	0.004	0.19	27.6	2.3	14.5	1.2	91.3	0.01	0.27	1.2
ZZ65218		1.68	120.5	1620	35.0	16.9	0.005	0.17	14.15	2.4	14.4	1.2	65.7	0.01	0.39	0.8
ZZ65219		2.43	134.5	760	30.6	17.4	0.002	0.16	15.40	4.5	9.5	0.9	40.7	0.02	0.15	1.2
ZZ65220		1.49	158.0	1290	26.4	17.1	0.005	0.21	12.55	3.6	9.9	0.8	63.2	0.01	0.18	0.7
ZZ65221		1.59	142.5	2220	40.9	21.3	0.006	0.22	20.2	4.6	13.8	1.1	94.2	<0.01	0.26	1.3
ZZ65222		0.33	46.5	1020	46.9	14.7	0.027	0.17	16.35	5.2	16.4	1.0	42.3	<0.01	0.37	7.5
ZZ65223		0.12	14.0	2500	66.4	16.0	0.003	0.44	15.50	2.0	18.1	1.4	160.0	<0.01	0.32	0.6
ZZ65224		0.15	20.1	1620	81.3	14.3	0.003	0.66	16.65	2.1	14.8	2.6	107.5	<0.01	0.18	2.4
ZZ65225		0.08	18.7	1410	109.5	9.9	0.005	0.13	31.6	4.6	41.7	2.2	7.6	<0.01	0.55	10.5
ZZ65226		0.21	14.7	1400	86.0	8.5	0.002	0.10	35.6	4.8	23.6	0.9	12.7	<0.01	0.32	8.7

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Finalized Date: 11- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173428

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65204		0.064	0.32	1.50	63	0.41	6.07	53	0.5	
ZZ65205		0.019	0.26	10.10	175	0.83	9.55	255	1.0	
ZZ65206		0.046	0.30	1.97	65	0.33	6.99	146	0.6	
ZZ65207		0.041	0.33	1.30	66	0.19	5.76	209	<0.5	
ZZ65208		0.032	0.26	1.01	59	0.24	3.62	127	1.0	
ZZ65209		0.013	0.03	0.36	12	<0.05	0.48	10	<0.5	
ZZ65210		0.026	0.16	0.69	37	0.17	2.34	45	<0.5	
ZZ65211		0.044	0.25	1.14	51	0.30	4.68	145	1.5	
ZZ65212		0.023	0.17	1.18	41	0.21	4.22	106	<0.5	
ZZ65213		0.024	0.45	6.21	167	0.23	7.02	270	<0.5	
ZZ65214		0.018	0.16	1.46	49	0.10	1.79	57	<0.5	
ZZ65215		0.018	0.29	3.66	130	0.18	4.14	120	<0.5	
ZZ65216		0.032	0.54	5.88	164	0.27	7.32	293	0.7	
ZZ65217		0.057	0.90	15.25	293	0.33	15.15	428	1.9	
ZZ65218		0.080	0.76	16.70	428	0.36	18.20	866	2.4	
ZZ65219		0.116	1.69	6.25	225	0.53	15.65	1480	2.4	
ZZ65220		0.088	1.37	9.98	455	0.38	21.4	1180	2.1	
ZZ65221		0.108	1.81	11.75	623	0.43	22.6	1620	2.4	
ZZ65222		0.021	2.31	11.05	168	0.21	15.95	285	13.0	
ZZ65223		0.012	1.47	9.43	263	0.20	15.65	98	<0.5	
ZZ65224		0.007	1.14	7.05	193	0.17	8.05	163	0.6	
ZZ65225		0.011	3.11	7.44	141	0.30	9.33	187	7.4	
ZZ65226		0.014	1.59	7.72	159	0.33	8.12	181	12.3	

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Finalized Date: 11- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12173428

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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Finalized Date: 13- AUG- 2012
Account: F

CERTIFICATE WH12173427

Project: Liam

P.O. No.:

This report is for 241 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

SARAH EATON	JOAN MARIACHER	

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

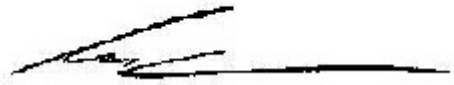
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
As- OG46	Ore Grade As - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65631		0.36	0.009	0.90	0.81	532	<0.2	<10	120	0.35	8.66	0.12	1.01	19.95	6.4	12
ZZ65632		0.46	0.005	0.30	0.64	274	<0.2	<10	60	0.16	5.19	0.05	0.16	12.55	2.2	10
ZZ65633		0.47	0.030	1.17	1.46	947	<0.2	<10	100	0.41	13.40	0.07	0.35	31.5	5.1	20
ZZ65634		0.33	0.020	0.93	1.66	1120	<0.2	<10	120	0.50	10.00	0.08	0.41	26.9	5.2	18
ZZ65635		0.33	0.012	0.30	1.91	198.0	<0.2	<10	120	0.64	2.29	0.11	0.30	19.85	8.5	20
ZZ65636		0.43	0.025	1.57	1.30	2310	<0.2	<10	140	0.55	14.05	0.08	1.17	18.95	5.8	17
ZZ65637		0.37	0.021	3.48	0.69	2790	<0.2	<10	80	0.24	3.11	0.09	1.57	12.95	3.7	10
ZZ65638		0.42	0.020	0.61	1.93	717	<0.2	<10	160	0.93	4.38	0.16	0.70	32.5	20.6	25
ZZ65639		0.56	0.005	0.34	1.49	226	<0.2	<10	110	0.51	2.18	0.06	0.36	17.90	8.9	20
ZZ65640		0.40	0.009	0.42	1.13	148.5	<0.2	<10	120	0.54	1.86	0.05	0.76	23.9	9.8	21
ZZ65641		0.34	0.004	0.09	1.53	92.1	<0.2	<10	140	0.46	0.94	0.07	0.75	21.6	8.9	26
ZZ65642		0.37	0.010	1.34	1.43	165.5	<0.2	<10	150	0.51	1.98	0.05	0.42	19.45	7.6	20
ZZ65643		0.35	0.006	0.50	1.27	84.7	<0.2	<10	180	0.31	1.29	0.10	0.53	21.0	3.7	19
ZZ65644		0.44	0.021	3.02	0.93	582	<0.2	<10	120	0.59	12.65	0.08	1.36	34.0	9.7	20
ZZ65645		0.48	0.004	0.35	0.72	440	<0.2	<10	80	0.19	2.03	0.03	0.25	16.50	3.6	12
ZZ65646		0.31	0.004	0.32	0.75	121.0	<0.2	<10	100	0.23	1.12	0.05	0.37	8.17	4.4	12
ZZ65647		0.42	0.002	0.09	0.78	59.3	<0.2	<10	60	0.18	0.73	0.03	0.09	10.70	2.5	9
ZZ65648		0.46	0.044	2.55	0.76	1810	<0.2	<10	140	0.55	9.84	0.09	5.12	29.8	19.6	15
ZZ65649		0.49	0.023	1.67	2.06	1360	<0.2	<10	270	1.22	7.92	0.09	0.92	62.3	9.4	33
ZZ65650		0.47	0.024	1.11	1.71	2120	<0.2	<10	190	0.80	7.27	0.11	1.31	26.6	9.9	22
ZZ65651		0.45	0.015	1.49	1.91	2360	<0.2	<10	250	0.92	14.20	0.13	0.68	27.3	10.1	26
ZZ65652		0.56	0.011	0.59	0.74	464	<0.2	<10	80	0.27	7.70	0.05	0.72	17.85	3.1	11
ZZ65653		0.38	0.005	0.21	0.70	98.0	<0.2	<10	90	0.16	2.08	0.05	0.15	14.40	2.4	15
ZZ65654		0.47	0.028	0.94	0.90	575	<0.2	<10	130	0.50	7.33	0.07	1.49	22.9	9.4	13
ZZ65655		0.56	0.019	0.84	0.96	513	<0.2	<10	120	0.43	6.08	0.07	0.96	21.0	7.9	13
ZZ65656		0.38	0.006	0.41	0.59	221	<0.2	<10	60	0.24	2.74	0.04	0.46	8.83	3.2	5
ZZ65657		0.33	0.010	0.40	2.04	875	<0.2	<10	90	0.90	3.81	0.09	2.51	21.3	14.3	23
ZZ65658		0.26	0.001	0.27	1.05	71.2	<0.2	<10	60	0.69	0.57	0.23	0.40	9.37	9.6	13
ZZ65659		0.25	0.006	0.84	1.45	667	<0.2	<10	180	0.66	7.14	0.12	0.45	13.10	5.5	16
ZZ65660		0.30	0.003	1.55	1.28	2330	<0.2	<10	210	0.52	9.27	0.06	1.20	14.85	3.9	22
ZZ65661		0.18	<0.001	0.95	0.28	22.3	<0.2	<10	20	<0.05	0.09	0.07	0.21	1.02	0.8	1
ZZ65662		0.32	0.015	0.75	2.83	315	<0.2	<10	160	1.07	2.78	0.08	0.48	20.5	11.4	31
ZZ65663		0.31	0.008	0.88	2.20	232	<0.2	<10	120	0.92	2.22	0.10	0.60	16.85	11.9	27
ZZ65664		0.29	0.003	0.36	1.16	84.2	<0.2	<10	120	0.46	0.75	0.06	2.41	10.95	8.0	16
ZZ65665		0.30	0.005	0.62	1.61	482	<0.2	<10	140	0.50	2.56	0.13	2.38	15.85	6.8	26
ZZ65666		0.36	0.008	0.24	1.92	344	<0.2	<10	140	0.65	2.08	0.11	1.55	18.40	9.0	25
ZZ65667		0.28	0.003	0.22	0.83	69.4	<0.2	<10	10	0.15	0.39	0.05	0.20	4.07	1.7	3
ZZ65668		0.30	0.005	0.28	1.57	160.5	<0.2	<10	80	0.61	5.23	0.09	0.51	14.45	8.8	18
ZZ65669		0.25	0.022	1.20	1.93	440	<0.2	<10	110	0.83	5.52	0.12	0.83	25.8	8.5	23
ZZ65670		0.24	0.002	0.32	0.89	144.0	<0.2	<10	60	0.38	1.89	0.04	0.45	10.15	3.4	12

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65631		2.24	103.5	2.22	2.71	0.05	<0.02	0.03	0.037	0.05	11.5	6.2	0.21	215	10.50	0.01
ZZ65632		2.26	29.9	1.49	3.93	<0.05	<0.02	0.04	0.017	0.03	6.7	2.2	0.05	83	2.88	0.01
ZZ65633		4.42	199.5	5.43	5.09	0.06	<0.02	0.12	0.050	0.05	17.5	10.2	0.27	166	2.99	0.01
ZZ65634		5.09	125.5	4.12	4.96	0.05	<0.02	0.09	0.025	0.06	14.5	10.8	0.33	173	2.43	0.02
ZZ65635		4.49	113.5	3.60	4.30	<0.05	<0.02	0.20	0.028	0.09	9.4	12.5	0.29	326	3.44	0.01
ZZ65636		3.41	82.3	4.32	4.21	0.05	<0.02	0.08	0.087	0.10	10.5	10.5	0.31	215	3.37	0.02
ZZ65637		2.16	92.0	2.85	2.71	0.05	<0.02	0.09	0.365	0.07	6.7	3.3	0.17	160	14.70	0.02
ZZ65638		6.14	196.0	5.16	5.52	0.08	<0.02	0.05	0.066	0.17	16.0	20.4	0.62	467	4.93	0.02
ZZ65639		2.04	48.1	2.89	4.49	<0.05	<0.02	0.07	0.031	0.07	8.8	11.6	0.32	383	3.39	0.01
ZZ65640		1.34	38.7	3.63	3.84	0.06	0.02	0.09	0.063	0.06	12.2	12.0	0.27	426	3.61	0.01
ZZ65641		1.88	37.7	3.62	5.75	0.05	<0.02	0.07	0.039	0.07	11.1	13.6	0.39	333	3.89	0.01
ZZ65642		2.70	62.0	2.91	4.83	0.05	0.03	0.17	0.074	0.08	9.7	12.7	0.23	370	3.19	0.02
ZZ65643		2.19	43.6	2.12	4.86	0.05	<0.02	0.11	0.044	0.05	11.3	7.3	0.19	135	2.60	0.02
ZZ65644		2.13	81.7	4.11	3.66	0.08	<0.02	0.23	0.248	0.09	18.7	8.5	0.29	360	3.72	0.02
ZZ65645		1.64	28.5	2.33	5.18	0.05	<0.02	0.06	0.037	0.05	8.8	2.2	0.08	206	4.95	0.01
ZZ65646		1.40	21.1	1.55	3.23	0.05	<0.02	0.09	0.015	0.05	4.3	4.8	0.14	314	3.75	0.03
ZZ65647		1.09	13.9	2.06	4.91	<0.05	<0.02	0.07	0.012	0.03	5.3	4.3	0.08	89	1.92	0.02
ZZ65648		3.64	164.0	4.32	2.73	0.07	0.03	0.10	0.157	0.09	15.7	8.8	0.26	679	11.65	0.01
ZZ65649		8.56	159.0	8.57	7.78	0.12	0.03	0.09	0.191	0.18	37.5	14.3	0.51	378	41.2	0.03
ZZ65650		5.65	111.5	5.48	5.59	0.08	0.05	0.09	0.066	0.11	13.5	13.7	0.47	395	10.75	0.03
ZZ65651		4.27	126.0	5.58	5.58	0.08	0.05	0.10	0.059	0.13	14.5	17.0	0.50	341	4.34	0.02
ZZ65652		1.52	63.0	1.98	2.82	0.05	<0.02	0.12	0.020	0.04	9.9	3.0	0.10	134	1.49	0.03
ZZ65653		1.91	22.5	1.51	4.75	<0.05	<0.02	0.06	0.016	0.03	7.2	2.6	0.11	86	2.06	0.02
ZZ65654		2.31	123.5	2.84	2.92	0.05	0.04	0.10	0.042	0.05	13.2	7.7	0.26	283	12.25	0.01
ZZ65655		2.63	113.0	2.50	3.24	0.06	0.03	0.08	0.045	0.05	11.6	7.2	0.22	231	9.56	0.02
ZZ65656		0.90	51.4	1.02	1.71	<0.05	<0.02	0.07	0.017	0.03	4.7	3.0	0.10	90	3.39	0.03
ZZ65657		10.45	91.2	4.18	7.60	0.05	<0.02	0.08	0.075	0.09	10.3	14.8	0.38	535	4.34	0.02
ZZ65658		8.25	37.0	2.10	4.14	<0.05	0.02	0.08	0.039	0.07	4.3	10.4	0.25	281	3.06	0.02
ZZ65659		9.28	146.5	5.47	5.09	0.05	0.03	0.09	0.151	0.13	6.1	9.2	0.28	218	4.34	0.02
ZZ65660		3.30	45.2	4.41	7.03	0.05	0.02	0.09	0.060	0.16	7.7	7.3	0.33	161	3.23	0.02
ZZ65661		0.19	3.8	0.37	1.19	<0.05	<0.02	0.06	<0.005	0.02	0.6	0.2	0.01	14	0.18	0.04
ZZ65662		8.36	143.5	5.40	7.23	0.08	0.08	0.11	0.067	0.24	10.6	23.4	0.66	334	4.83	0.02
ZZ65663		6.42	76.3	4.51	6.48	<0.05	0.04	0.14	0.047	0.10	8.2	19.7	0.39	343	3.85	0.02
ZZ65664		3.87	49.3	3.49	5.97	<0.05	<0.02	0.08	0.044	0.10	5.4	8.7	0.21	357	3.74	0.02
ZZ65665		2.84	85.0	5.60	8.13	<0.05	0.03	0.11	0.231	0.19	8.1	12.4	0.31	237	4.68	0.02
ZZ65666		2.66	81.0	4.07	5.45	0.05	0.02	0.09	0.105	0.09	9.6	16.9	0.46	227	4.58	0.02
ZZ65667		0.48	23.0	0.73	2.25	<0.05	<0.02	0.04	0.007	0.02	2.0	1.0	0.04	66	0.84	0.03
ZZ65668		4.58	29.7	3.35	6.98	<0.05	<0.02	0.04	0.029	0.07	6.9	18.1	0.28	307	2.99	0.02
ZZ65669		6.09	181.5	5.07	5.92	0.07	0.03	0.09	0.092	0.22	12.2	15.6	0.55	326	11.75	0.02
ZZ65670		2.09	24.5	2.21	4.47	<0.05	<0.02	0.05	0.018	0.08	5.3	7.6	0.16	108	2.21	0.02

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CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65631		0.20	51.7	1030	61.6	7.6	0.001	0.05	15.05	0.8	2.9	4.1	17.3	<0.01	0.05	0.3
ZZ65632		0.26	10.6	580	23.7	5.2	<0.001	0.04	4.94	0.2	0.7	2.4	7.5	<0.01	0.04	<0.2
ZZ65633		0.51	20.5	1080	79.7	7.3	0.001	0.11	15.90	1.1	4.7	6.2	24.1	<0.01	0.22	0.7
ZZ65634		0.65	18.0	890	84.3	7.8	<0.001	0.09	17.75	1.2	3.4	3.2	19.1	0.01	0.20	0.5
ZZ65635		0.72	30.2	1410	22.7	11.6	<0.001	0.13	6.21	0.8	2.7	0.8	29.3	<0.01	0.08	0.3
ZZ65636		0.39	21.8	810	403	10.9	0.001	0.12	147.5	1.1	3.0	16.5	28.9	<0.01	0.17	0.2
ZZ65637		0.17	22.1	820	695	6.5	0.003	0.12	200	0.5	4.1	23.5	14.9	<0.01	0.22	<0.2
ZZ65638		0.77	52.7	1030	113.0	15.8	0.001	0.10	36.1	3.0	4.0	3.4	36.1	0.01	0.30	1.2
ZZ65639		0.45	21.8	800	38.4	11.1	0.001	0.05	6.67	1.0	1.3	1.4	10.4	<0.01	0.07	0.2
ZZ65640		0.44	24.6	830	37.5	9.2	0.001	0.05	8.61	1.4	1.8	1.0	15.0	<0.01	0.10	0.7
ZZ65641		1.21	29.0	490	28.9	10.0	0.001	0.03	4.66	2.7	1.6	1.1	14.5	<0.01	0.08	1.8
ZZ65642		0.68	17.5	820	58.2	12.0	<0.001	0.05	6.76	1.4	2.4	1.8	13.8	<0.01	0.08	0.7
ZZ65643		0.45	13.0	750	32.1	8.5	<0.001	0.03	3.54	0.6	1.7	1.3	11.2	<0.01	0.05	0.2
ZZ65644		0.37	23.4	910	261	8.4	<0.001	0.06	36.6	2.0	3.6	3.9	21.4	<0.01	0.16	1.2
ZZ65645		0.36	13.5	410	94.2	10.9	<0.001	0.03	25.0	0.6	1.2	4.6	9.1	<0.01	0.07	<0.2
ZZ65646		0.21	10.2	610	18.6	5.6	<0.001	0.05	7.51	0.3	1.5	0.8	10.7	<0.01	0.04	<0.2
ZZ65647		0.95	6.7	270	9.6	6.3	<0.001	0.02	2.62	0.9	0.5	0.8	5.2	<0.01	0.04	0.8
ZZ65648		0.29	63.5	860	920	8.6	0.002	0.10	349	2.0	3.6	31.0	22.8	<0.01	0.21	1.3
ZZ65649		0.73	56.7	2760	68.7	19.2	0.001	0.31	22.9	4.0	11.2	2.5	111.5	<0.01	0.35	3.2
ZZ65650		0.75	31.4	1310	115.0	12.8	<0.001	0.12	47.6	2.7	4.8	5.6	36.1	0.01	0.22	1.8
ZZ65651		0.88	44.7	1110	113.0	15.4	0.001	0.12	13.65	2.7	3.8	1.5	43.1	<0.01	0.16	2.0
ZZ65652		0.27	13.9	930	87.9	4.5	<0.001	0.08	16.20	0.4	1.4	1.8	7.6	<0.01	0.32	<0.2
ZZ65653		0.42	8.4	610	15.8	5.8	<0.001	0.05	3.01	0.4	1.1	1.3	8.7	<0.01	0.05	<0.2
ZZ65654		0.47	52.8	690	59.8	6.3	0.001	0.03	20.4	2.3	1.7	7.3	14.7	<0.01	0.11	2.5
ZZ65655		0.34	49.8	730	73.5	7.3	<0.001	0.03	17.60	1.5	1.5	5.4	14.5	<0.01	0.11	0.7
ZZ65656		0.28	17.1	370	20.1	3.1	<0.001	0.03	5.52	0.4	0.7	1.5	6.0	<0.01	0.05	<0.2
ZZ65657		1.13	37.5	690	24.3	22.7	<0.001	0.07	7.59	1.6	1.4	1.6	33.3	<0.01	0.13	0.5
ZZ65658		0.79	29.7	320	4.7	10.1	<0.001	0.02	1.56	1.3	1.1	0.8	40.8	<0.01	0.09	1.2
ZZ65659		0.85	17.9	890	35.7	14.0	<0.001	0.13	17.50	1.8	2.8	4.2	64.7	<0.01	0.09	1.4
ZZ65660		1.15	12.6	510	40.8	21.9	<0.001	0.11	14.35	1.9	2.0	8.4	28.3	<0.01	0.20	1.1
ZZ65661		0.22	1.4	220	2.2	1.0	<0.001	0.02	0.73	0.1	0.2	0.2	10.5	<0.01	<0.01	<0.2
ZZ65662		2.06	48.8	640	34.0	30.1	<0.001	0.09	9.33	4.7	4.1	2.0	24.6	0.01	0.14	4.8
ZZ65663		1.56	38.0	750	26.2	19.7	<0.001	0.07	11.25	2.6	2.0	2.1	18.3	0.01	0.09	2.3
ZZ65664		0.83	18.9	570	14.7	20.0	<0.001	0.06	4.10	1.0	1.5	1.7	11.5	<0.01	0.09	0.3
ZZ65665		2.52	22.2	700	43.8	19.5	<0.001	0.15	11.10	2.7	1.7	13.8	21.1	<0.01	0.15	2.7
ZZ65666		1.03	35.8	580	48.9	12.7	<0.001	0.06	11.35	2.0	1.9	5.1	22.4	0.01	0.14	0.9
ZZ65667		0.47	4.5	360	9.6	1.3	<0.001	0.04	2.06	0.2	0.4	0.3	6.1	<0.01	0.02	<0.2
ZZ65668		1.24	21.6	440	18.7	13.4	<0.001	0.04	3.16	1.9	0.9	1.5	11.1	<0.01	0.33	1.3
ZZ65669		1.13	51.4	1110	62.6	21.8	<0.001	0.17	20.5	3.2	5.6	3.7	34.3	<0.01	0.27	1.1
ZZ65670		0.91	10.3	330	8.8	12.6	<0.001	0.03	2.35	1.1	1.0	0.8	14.1	<0.01	0.12	0.4

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65631		0.016	0.17	3.70	91	0.17	5.62	146	<0.5	
ZZ65632		0.020	0.10	0.67	42	0.21	1.60	48	<0.5	
ZZ65633		0.030	0.18	2.05	41	0.68	5.58	91	<0.5	
ZZ65634		0.039	0.18	1.82	35	0.91	5.07	87	<0.5	
ZZ65635		0.029	0.25	1.45	44	0.34	6.63	109	<0.5	
ZZ65636		0.033	0.24	1.40	41	0.33	4.26	164	<0.5	
ZZ65637		0.020	0.17	2.89	45	0.21	2.96	192	<0.5	
ZZ65638		0.055	0.34	2.04	59	0.32	8.79	168	0.5	
ZZ65639		0.026	0.22	1.15	47	0.42	3.93	99	<0.5	
ZZ65640		0.017	0.21	1.02	45	0.21	4.72	153	0.6	
ZZ65641		0.030	0.23	0.88	65	0.30	3.52	147	<0.5	
ZZ65642		0.017	0.34	0.90	46	0.18	3.50	112	1.0	
ZZ65643		0.014	0.27	1.16	48	0.22	4.31	80	<0.5	
ZZ65644		0.025	0.29	1.21	47	0.22	5.61	209	0.6	
ZZ65645		0.021	0.19	0.66	61	0.25	2.05	93	<0.5	
ZZ65646		0.020	0.19	0.86	30	0.23	1.55	52	<0.5	
ZZ65647		0.031	0.15	0.41	45	0.22	1.35	35	<0.5	
ZZ65648		0.017	0.29	3.58	60	0.20	11.05	470	<0.5	
ZZ65649		0.041	0.56	10.25	131	0.37	14.95	289	1.2	
ZZ65650		0.041	0.33	4.14	64	0.35	9.34	212	1.8	
ZZ65651		0.046	0.32	2.33	61	0.41	8.32	177	1.3	
ZZ65652		0.019	0.09	1.25	28	0.09	4.48	76	<0.5	
ZZ65653		0.025	0.13	0.71	42	0.23	1.85	40	<0.5	
ZZ65654		0.025	0.16	5.55	66	0.43	6.97	169	1.4	
ZZ65655		0.023	0.17	4.53	60	0.31	6.48	148	0.6	
ZZ65656		0.015	0.06	1.80	26	0.10	2.83	50	<0.5	
ZZ65657		0.043	0.16	1.80	58	0.25	4.40	274	0.5	
ZZ65658		0.039	0.10	0.52	36	0.12	2.63	137	0.7	
ZZ65659		0.040	0.23	1.22	44	0.16	4.63	145	1.0	
ZZ65660		0.053	0.29	0.67	76	0.17	2.52	108	0.9	
ZZ65661		0.015	<0.02	0.14	9	<0.05	0.25	10	<0.5	
ZZ65662		0.073	0.43	1.32	72	0.26	5.71	239	3.1	
ZZ65663		0.042	0.29	0.89	68	0.26	3.95	232	1.3	
ZZ65664		0.030	0.18	0.61	71	0.18	2.16	228	<0.5	
ZZ65665		0.073	0.21	0.67	98	0.32	2.42	424	1.8	
ZZ65666		0.037	0.19	0.86	57	0.27	3.26	337	1.0	
ZZ65667		0.020	0.05	0.60	11	0.10	1.31	12	<0.5	
ZZ65668		0.032	0.21	0.59	64	0.28	2.35	108	0.6	
ZZ65669		0.052	0.43	3.90	95	1.53	10.70	204	1.0	
ZZ65670		0.040	0.17	0.44	48	0.17	1.81	81	<0.5	

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65671		0.40	0.007	0.68	1.59	490	<0.2	<10	140	0.78	7.76	0.06	1.05	20.9	6.6	25
ZZ65672		0.35	0.004	0.39	1.14	271	<0.2	<10	130	0.44	2.91	0.05	1.52	18.85	5.5	20
ZZ65673		0.41	0.007	0.27	1.15	161.5	<0.2	<10	190	0.57	1.01	0.05	0.56	19.90	9.6	17
ZZ65674		0.48	0.004	0.42	0.73	272	<0.2	<10	150	0.27	2.61	0.06	3.62	19.20	3.5	14
ZZ65675		0.37	0.012	0.64	1.14	204	<0.2	<10	180	0.57	1.93	0.10	1.34	23.5	10.5	20
ZZ65676		0.46	0.008	0.48	1.40	160.0	<0.2	<10	170	0.75	1.64	0.10	1.04	32.8	13.6	22
ZZ65677		0.43	0.014	2.56	0.79	351	<0.2	<10	120	0.73	0.80	0.20	7.42	57.2	7.4	16
ZZ65678		0.41	0.005	0.55	0.49	45.6	<0.2	<10	110	0.44	0.41	0.05	1.07	29.6	7.9	11
ZZ65679		0.38	0.004	1.00	0.56	32.5	<0.2	<10	210	0.34	0.31	0.02	0.74	25.3	3.1	11
ZZ65680		0.40	0.004	1.82	0.45	23.6	<0.2	<10	230	0.38	0.23	0.30	1.84	27.6	7.0	10
ZZ65681		0.34	0.004	0.20	0.67	50.0	<0.2	<10	90	0.19	0.58	0.03	0.31	22.5	5.0	15
ZZ65682		0.38	0.002	0.39	0.22	3.3	<0.2	<10	30	0.10	0.07	0.02	0.27	7.31	2.3	3
ZZ65683		0.52	0.004	0.18	0.95	26.7	<0.2	<10	120	0.49	0.46	0.05	0.66	38.5	13.1	18
ZZ65684		0.41	0.053	1.62	1.14	185.5	<0.2	<10	120	0.89	1.56	0.03	3.14	40.8	17.0	21
ZZ65685		0.28	0.009	1.59	1.17	113.5	<0.2	<10	90	0.89	0.82	0.02	2.91	29.8	14.5	21
ZZ65686		0.38	0.007	0.80	1.48	68.5	<0.2	<10	230	1.41	1.11	0.07	1.81	54.1	22.1	19
ZZ65687		0.42	0.020	0.84	0.52	79.9	<0.2	<10	80	0.26	0.79	0.04	0.90	25.3	4.9	11
ZZ65688		0.36	0.005	0.42	0.78	53.0	<0.2	<10	80	0.54	0.95	0.08	1.67	20.7	8.3	11
ZZ65689		0.47	0.005	1.51	1.93	366	<0.2	<10	90	1.66	5.28	0.10	9.55	65.7	27.8	17
ZZ65690		0.51	0.005	1.03	1.33	78.9	<0.2	<10	200	1.41	0.47	0.05	2.13	43.5	37.0	24
ZZ65691		0.51	0.008	1.37	1.55	111.5	<0.2	<10	260	1.29	0.57	0.22	5.11	64.3	31.4	26
ZZ65692		0.45	0.003	0.59	1.73	105.0	<0.2	<10	310	1.17	3.24	0.48	3.52	81.2	19.7	24
ZZ65693		0.46	0.022	1.29	1.00	819	<0.2	<10	150	0.40	11.45	0.12	1.40	27.1	9.6	14
ZZ65694		0.44	0.032	0.91	1.80	424	<0.2	<10	150	0.85	4.01	0.05	0.45	18.95	5.7	32
ZZ65695		0.51	0.036	0.67	1.44	623	<0.2	<10	190	0.64	4.19	0.07	0.44	24.4	6.3	22
ZZ65696		0.42	0.024	0.65	1.45	666	<0.2	<10	200	0.64	2.46	0.03	0.31	23.7	4.6	33
ZZ65697		0.31	0.023	0.81	1.96	288	<0.2	<10	150	0.61	3.09	0.07	0.31	28.0	5.7	22
ZZ65698		0.35	0.142	0.51	2.13	351	0.2	<10	200	0.73	2.96	0.07	0.42	30.2	16.8	29
ZZ65699		0.39	0.029	0.95	1.31	185.5	<0.2	<10	210	0.46	4.69	0.08	0.18	19.90	3.3	21
ZZ65700		0.37	0.048	1.37	2.78	194.5	<0.2	<10	360	1.88	3.19	0.12	0.47	29.7	7.3	31
ZZ65701		0.53	0.048	1.54	1.41	483	<0.2	<10	310	1.07	1.65	0.05	0.58	33.8	6.1	19
ZZ65702		0.43	0.037	0.92	2.08	178.5	<0.2	<10	360	1.91	2.80	0.05	0.61	22.5	6.8	17
ZZ65703		0.50	0.051	1.30	1.96	434	<0.2	<10	180	0.60	22.3	0.21	0.74	23.3	11.5	22
ZZ65704		0.39	0.131	1.04	1.55	117.5	<0.2	<10	160	0.63	3.36	0.22	1.01	27.0	9.5	19
ZZ65705		0.34	0.128	0.69	1.41	101.5	<0.2	<10	90	0.51	3.06	0.10	0.59	24.4	8.7	21
ZZ65706		0.40	0.039	0.88	1.42	92.9	<0.2	<10	100	0.46	3.39	0.11	0.49	23.9	7.4	23
ZZ65707		0.34	0.006	0.41	1.81	32.9	<0.2	<10	210	0.45	1.00	0.06	0.25	25.5	4.5	34
ZZ65708		0.43	0.015	0.97	2.17	40.0	<0.2	<10	260	0.49	1.13	0.08	0.18	29.4	4.7	42
ZZ65709		0.46	0.028	0.81	2.12	66.5	<0.2	<10	190	0.61	1.94	0.14	0.78	40.3	14.9	23
ZZ65710		0.50	0.016	0.42	1.07	56.1	<0.2	<10	90	0.44	1.08	0.03	0.41	29.4	9.1	31

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65671		2.78	52.5	4.84	5.70	0.05	0.02	0.07	0.050	0.10	11.6	19.9	0.45	168	4.51	0.02
ZZ65672		1.86	41.4	3.46	5.84	<0.05	<0.02	0.05	0.049	0.09	10.2	11.5	0.31	228	5.51	0.02
ZZ65673		1.06	41.1	2.91	3.16	<0.05	0.04	0.11	0.039	0.07	9.5	18.6	0.30	347	3.33	0.01
ZZ65674		1.53	41.3	2.86	5.04	<0.05	<0.02	0.08	0.035	0.08	11.1	3.8	0.13	143	4.86	0.02
ZZ65675		1.52	60.2	3.10	3.88	0.05	0.03	0.15	0.047	0.07	12.7	14.0	0.37	383	4.68	0.02
ZZ65676		2.14	57.6	3.27	3.79	<0.05	0.08	0.08	0.048	0.08	15.7	17.3	0.44	367	5.81	0.02
ZZ65677		2.21	59.7	3.58	2.54	0.08	0.07	0.14	0.517	0.07	29.2	6.8	0.28	261	3.94	0.02
ZZ65678		1.56	38.0	2.89	2.15	<0.05	0.04	0.07	0.045	0.07	17.6	3.0	0.12	418	13.90	0.02
ZZ65679		1.03	25.7	2.21	2.15	<0.05	0.05	0.06	0.030	0.09	15.0	4.4	0.14	104	20.4	0.02
ZZ65680		0.87	41.2	2.88	1.64	<0.05	0.05	0.21	0.036	0.06	16.1	1.5	0.06	573	30.0	0.02
ZZ65681		2.49	26.9	3.14	3.94	<0.05	0.04	0.04	0.035	0.07	11.6	2.8	0.12	230	4.76	0.02
ZZ65682		0.93	12.1	1.32	1.17	<0.05	0.04	0.03	0.013	0.02	3.9	0.4	0.02	67	0.98	0.03
ZZ65683		4.46	43.4	4.23	4.34	0.05	0.04	0.06	0.060	0.11	19.9	6.7	0.19	801	5.50	0.01
ZZ65684		4.89	87.4	6.04	3.61	0.07	0.06	0.05	0.480	0.10	21.3	6.5	0.20	1210	4.51	0.01
ZZ65685		4.02	70.2	5.23	3.71	<0.05	0.08	0.08	0.422	0.07	15.5	4.7	0.13	981	4.20	0.02
ZZ65686		5.68	70.9	5.07	3.81	0.06	0.07	0.05	0.091	0.11	25.3	15.5	0.37	1300	4.12	0.02
ZZ65687		3.78	31.2	3.26	2.60	<0.05	0.04	0.05	0.206	0.07	13.3	1.0	0.04	491	3.86	0.02
ZZ65688		2.72	21.0	3.00	3.47	<0.05	0.04	0.04	0.134	0.06	9.6	6.5	0.20	401	2.19	0.02
ZZ65689		3.93	22.5	6.57	4.92	0.07	0.11	0.08	0.739	0.07	27.1	20.1	0.68	1500	3.33	0.02
ZZ65690		8.64	79.7	5.79	4.56	0.06	0.05	0.08	0.082	0.10	21.7	12.3	0.35	2010	5.33	0.02
ZZ65691		4.91	106.5	5.30	4.33	0.09	0.07	0.06	0.063	0.13	30.7	17.2	0.86	1320	7.89	0.02
ZZ65692		5.91	46.2	5.08	5.25	0.07	0.06	0.06	0.048	0.09	32.4	19.8	1.07	1240	33.9	0.02
ZZ65693		2.28	134.0	2.70	3.12	0.05	0.07	0.05	0.054	0.05	14.4	8.8	0.30	361	12.30	0.02
ZZ65694		4.17	183.0	15.25	6.67	0.14	0.10	0.03	0.104	0.13	10.0	17.0	0.59	320	14.65	0.03
ZZ65695		4.56	150.0	8.73	4.65	0.09	0.06	0.07	0.069	0.12	13.1	13.1	0.38	231	25.2	0.03
ZZ65696		5.20	155.0	13.95	5.66	0.11	0.06	0.06	0.074	0.12	13.6	10.4	0.32	197	16.20	0.02
ZZ65697		5.17	131.0	4.91	5.12	0.06	0.07	0.07	0.057	0.11	14.5	14.0	0.43	255	7.78	0.03
ZZ65698		4.71	208	8.42	6.24	0.08	0.06	0.06	0.068	0.15	15.7	23.5	0.58	483	9.92	0.02
ZZ65699		4.06	153.0	18.00	7.22	0.14	0.15	0.12	0.038	0.13	9.9	14.1	0.49	120	69.3	0.02
ZZ65700		7.67	206	9.57	7.54	0.13	0.28	0.09	0.089	0.36	17.0	26.2	1.36	213	91.9	0.09
ZZ65701		8.36	141.5	11.00	5.40	0.16	0.21	0.18	0.147	0.30	20.3	17.1	0.31	179	149.5	0.06
ZZ65702		4.68	178.0	10.10	5.31	0.14	0.24	0.03	0.142	0.24	12.6	19.0	0.57	161	98.3	0.07
ZZ65703		6.02	177.0	11.50	7.11	0.15	0.10	0.08	0.190	0.12	11.0	21.8	1.16	309	46.4	0.02
ZZ65704		4.13	137.5	8.43	6.07	0.11	0.09	0.05	0.058	0.06	14.7	18.4	0.44	263	48.6	0.02
ZZ65705		3.90	141.0	9.91	5.50	0.08	0.06	0.04	0.044	0.05	11.4	15.0	0.38	305	39.5	0.02
ZZ65706		4.53	143.5	10.60	5.70	0.09	0.06	0.07	0.051	0.08	11.2	17.4	0.42	272	29.5	0.02
ZZ65707		3.39	74.6	5.88	8.18	0.07	0.04	0.09	0.042	0.15	12.4	8.3	0.47	237	5.31	0.02
ZZ65708		6.51	130.5	8.06	9.24	0.07	0.05	0.07	0.079	0.24	15.3	15.6	0.93	364	7.19	0.02
ZZ65709		6.74	149.0	7.91	6.85	0.11	0.09	0.05	0.110	0.12	18.3	22.5	0.71	545	21.9	0.02
ZZ65710		5.31	108.5	9.37	5.16	0.08	0.05	0.05	0.046	0.08	13.2	15.8	0.42	380	19.05	0.02

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65671		1.17	26.8	590	28.5	12.9	<0.001	0.06	10.35	2.5	2.4	1.6	18.6	<0.01	0.18	2.2
ZZ65672		0.85	19.1	550	34.4	10.5	<0.001	0.04	11.95	1.8	1.6	1.8	13.1	<0.01	0.15	0.7
ZZ65673		0.42	24.8	440	23.8	7.9	0.001	0.02	6.42	2.5	1.1	0.8	10.8	<0.01	0.06	3.1
ZZ65674		0.31	12.1	610	40.5	13.1	<0.001	0.05	13.00	0.7	1.4	2.3	14.6	<0.01	0.15	0.2
ZZ65675		0.65	30.9	710	36.2	8.4	<0.001	0.03	12.10	2.3	1.2	1.5	17.5	<0.01	0.09	1.4
ZZ65676		0.81	53.0	530	26.0	9.3	0.001	0.04	7.21	2.5	2.5	0.9	19.5	<0.01	0.09	2.3
ZZ65677		0.20	46.1	620	578	6.3	0.002	0.10	77.5	4.0	3.4	2.9	37.0	<0.01	0.07	4.9
ZZ65678		0.12	42.9	1160	36.3	8.7	0.003	0.08	7.19	0.4	2.5	0.5	18.4	<0.01	0.10	0.2
ZZ65679		0.13	25.8	890	25.6	7.2	0.006	0.13	5.78	0.5	3.9	0.5	65.3	<0.01	0.13	0.2
ZZ65680		0.07	66.4	720	28.8	6.0	0.001	0.04	8.27	1.2	3.3	0.4	37.8	<0.01	0.14	0.5
ZZ65681		0.31	19.7	690	30.1	10.4	<0.001	0.05	4.38	0.5	1.4	0.8	10.4	<0.01	0.07	<0.2
ZZ65682		0.11	9.8	440	6.5	3.1	<0.001	0.03	1.05	0.2	0.2	<0.2	4.9	<0.01	0.02	<0.2
ZZ65683		0.37	37.5	730	32.2	16.6	0.001	0.06	3.69	1.2	1.8	0.7	14.9	<0.01	0.11	0.4
ZZ65684		0.29	39.8	1180	281	11.4	0.001	0.11	16.40	3.2	3.3	6.2	25.0	<0.01	0.11	2.2
ZZ65685		0.29	38.2	1200	185.5	9.2	<0.001	0.10	13.25	1.4	2.2	4.1	24.0	<0.01	0.10	0.7
ZZ65686		0.26	63.6	720	78.8	11.4	0.002	0.08	14.95	2.7	2.6	1.3	27.9	<0.01	0.07	1.4
ZZ65687		0.11	15.5	1140	160.5	9.5	0.001	0.09	10.30	0.3	1.2	2.4	11.7	<0.01	0.08	<0.2
ZZ65688		0.17	16.8	830	100.0	7.4	<0.001	0.08	12.45	0.5	1.4	0.8	15.1	<0.01	0.02	<0.2
ZZ65689		0.20	96.3	1140	1610	10.6	<0.001	0.06	993	5.6	4.5	1.1	9.1	<0.01	0.04	3.2
ZZ65690		0.34	54.8	1210	154.5	12.3	0.001	0.11	17.35	2.5	2.6	1.9	32.6	<0.01	0.11	0.9
ZZ65691		0.46	118.5	1320	77.4	13.7	0.001	0.13	19.10	4.7	5.4	1.0	40.6	<0.01	0.11	3.2
ZZ65692		0.63	91.1	1170	55.4	14.5	0.001	0.12	11.85	2.9	3.5	1.3	30.3	<0.01	0.22	2.0
ZZ65693		0.44	58.7	820	87.4	7.3	<0.001	0.03	20.6	2.4	2.4	4.4	16.5	<0.01	0.12	1.7
ZZ65694		0.83	28.5	2770	44.0	13.0	0.001	0.38	7.88	3.9	19.2	0.5	86.3	0.01	0.68	4.6
ZZ65695		0.78	35.6	1670	36.9	11.6	0.001	0.18	9.40	3.3	10.5	0.7	63.2	0.01	0.35	3.2
ZZ65696		0.85	19.3	2760	39.3	12.3	0.005	0.30	8.85	3.0	17.1	0.7	70.1	<0.01	0.37	3.7
ZZ65697		0.96	32.8	1170	28.0	13.3	<0.001	0.13	4.24	2.1	5.0	0.7	58.6	<0.01	0.19	0.7
ZZ65698		0.99	64.1	1440	39.2	14.6	<0.001	0.13	7.07	3.4	7.3	1.0	67.2	<0.01	0.27	2.1
ZZ65699		0.78	24.2	3890	35.0	13.9	0.003	0.53	7.85	3.5	26.7	0.5	37.6	0.01	0.83	2.8
ZZ65700		0.87	77.3	2470	41.6	34.6	0.014	0.84	15.90	5.2	29.4	1.1	209	0.01	0.59	8.2
ZZ65701		0.55	58.7	3240	71.1	24.7	0.012	0.75	47.5	4.9	38.5	1.4	260	<0.01	0.78	9.5
ZZ65702		0.37	78.8	2170	46.7	19.5	0.012	0.71	21.1	4.3	31.9	0.9	170.5	0.01	0.55	8.0
ZZ65703		1.15	61.5	1780	57.3	14.0	0.003	0.27	6.73	3.9	16.6	0.7	49.5	0.01	0.76	3.6
ZZ65704		0.89	66.9	2110	58.7	7.7	0.002	0.18	6.53	2.5	13.8	0.6	67.4	0.01	0.38	2.2
ZZ65705		0.68	57.7	1640	46.5	7.5	0.004	0.21	7.25	2.7	12.1	0.7	21.8	0.01	0.31	1.5
ZZ65706		0.87	48.2	1830	48.4	9.3	0.002	0.22	6.10	2.9	12.5	0.6	20.8	0.01	0.46	2.2
ZZ65707		1.77	15.6	1810	19.4	16.4	<0.001	0.17	2.24	1.4	4.1	0.8	13.9	<0.01	0.23	0.3
ZZ65708		2.22	19.7	1510	23.9	29.7	0.001	0.20	2.60	4.8	6.3	0.8	17.3	<0.01	0.27	1.6
ZZ65709		1.03	61.4	1560	40.4	15.0	0.002	0.17	3.91	3.9	8.0	0.8	35.0	0.01	0.28	3.2
ZZ65710		0.58	42.7	1320	26.7	10.6	0.001	0.17	4.28	6.2	10.1	0.6	8.3	<0.01	0.17	2.9

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65671		0.042	0.27	0.94	66	0.27	3.66	147	0.7	
ZZ65672		0.031	0.25	0.85	77	0.32	2.88	146	<0.5	
ZZ65673		0.010	0.21	0.98	41	0.15	4.13	120	1.0	
ZZ65674		0.018	0.26	0.69	73	0.18	2.76	130	<0.5	
ZZ65675		0.022	0.24	1.28	53	0.23	4.70	168	0.7	
ZZ65676		0.035	0.32	1.61	56	0.26	7.09	273	1.3	
ZZ65677		0.006	0.37	3.45	35	0.05	10.05	515	1.2	
ZZ65678		0.007	0.35	1.89	70	0.10	6.34	287	<0.5	
ZZ65679		0.007	0.67	3.10	77	0.11	6.06	136	<0.5	
ZZ65680		<0.005	0.66	1.55	117	0.12	13.55	354	<0.5	
ZZ65681		0.017	0.21	0.79	61	0.24	2.76	146	<0.5	
ZZ65682		0.008	0.09	0.30	17	<0.05	0.95	76	<0.5	
ZZ65683		0.020	0.26	1.05	64	0.15	5.45	312	<0.5	
ZZ65684		0.013	0.31	1.89	59	0.08	7.48	616	0.7	
ZZ65685		0.012	0.24	1.79	55	0.09	4.17	605	1.1	
ZZ65686		0.008	0.38	1.40	49	0.09	8.35	412	0.8	
ZZ65687		0.007	0.17	0.83	47	0.08	2.24	230	<0.5	
ZZ65688		0.013	0.12	0.88	38	0.11	3.88	192	<0.5	
ZZ65689		0.005	0.20	4.06	48	0.10	20.4	1200	2.4	
ZZ65690		0.023	0.37	1.92	64	0.23	7.29	359	<0.5	
ZZ65691		0.021	0.99	3.53	127	0.21	19.05	698	0.9	
ZZ65692		0.030	0.38	5.30	84	0.42	19.60	461	0.9	
ZZ65693		0.023	0.14	5.08	71	0.50	8.61	166	0.8	
ZZ65694		0.049	0.27	5.31	97	0.18	6.54	265	2.8	
ZZ65695		0.043	0.38	6.07	91	0.30	7.48	202	1.2	
ZZ65696		0.048	0.25	3.54	103	0.28	5.68	157	0.9	
ZZ65697		0.041	0.27	2.70	57	0.25	10.35	145	1.0	
ZZ65698		0.047	0.24	2.86	76	0.32	9.03	266	0.8	
ZZ65699		0.038	0.65	19.80	107	0.36	11.40	80	4.3	
ZZ65700		0.054	1.35	22.5	189	0.51	15.65	186	13.1	
ZZ65701		0.026	3.51	21.2	197	0.78	17.75	227	9.8	
ZZ65702		0.030	1.17	19.70	140	0.44	14.95	298	13.4	
ZZ65703		0.062	0.56	14.35	160	0.45	8.85	345	2.8	
ZZ65704		0.045	0.37	10.60	172	0.35	8.67	242	1.9	
ZZ65705		0.045	0.51	8.16	144	0.32	6.88	194	0.6	
ZZ65706		0.049	0.34	6.30	152	0.32	7.97	190	0.9	
ZZ65707		0.044	0.39	1.46	96	0.27	4.04	78	<0.5	
ZZ65708		0.097	0.53	1.93	110	0.30	5.67	116	0.9	
ZZ65709		0.042	0.45	9.47	100	0.25	9.62	359	2.0	
ZZ65710		0.033	0.98	9.77	109	0.18	7.63	192	0.7	

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Finalized Date: 13- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65711		0.46	0.036	0.42	1.93	108.5	<0.2	<10	390	0.88	1.24	0.06	0.81	21.2	18.4	26
ZZ65712		0.35	0.034	0.87	1.84	102.5	<0.2	10	170	0.69	2.33	0.08	0.65	28.2	8.5	31
ZZ65713		0.52	0.030	0.76	3.89	170.0	<0.2	10	260	1.44	1.99	0.05	0.34	25.8	5.8	52
ZZ65714		0.38	0.014	0.54	1.21	59.3	<0.2	<10	80	0.25	1.66	0.04	0.18	21.2	4.7	22
ZZ65715		0.39	0.018	0.22	2.12	120.0	<0.2	<10	170	1.04	1.13	0.10	0.47	34.0	27.7	22
ZZ65716		0.43	0.013	0.39	1.35	389	<0.2	<10	140	0.59	1.87	0.10	0.63	42.5	30.3	17
ZZ65717		0.43	0.043	1.11	1.52	1890	<0.2	<10	210	0.60	37.5	0.06	0.60	33.0	8.5	26
ZZ65718		0.39	0.017	1.34	1.61	234	<0.2	<10	560	0.59	5.85	0.08	0.76	27.3	16.4	24
ZZ65719		0.39	0.017	1.26	1.47	676	<0.2	<10	430	0.74	10.90	0.10	3.78	30.9	29.4	22
ZZ65720		0.25	0.012	1.01	1.05	504	<0.2	<10	160	0.32	7.42	0.10	0.66	20.5	5.0	12
ZZ65721		0.28	0.023	2.30	1.73	1050	<0.2	<10	260	0.72	15.35	0.11	1.00	37.0	9.8	18
ZZ65722		0.27	0.014	0.76	1.86	1125	<0.2	<10	100	0.55	4.28	0.13	0.58	16.70	8.4	19
ZZ65723		0.35	0.024	0.70	2.92	544	<0.2	<10	190	0.51	5.03	0.39	0.22	15.35	4.5	33
ZZ65724		0.26	0.028	0.89	2.85	2480	<0.2	<10	190	0.35	12.55	0.07	0.19	22.3	5.6	38
ZZ65725		0.27	0.004	0.31	1.16	418	<0.2	<10	70	0.29	1.23	0.08	0.37	7.81	4.1	11
ZZ65726		0.34	0.011	2.23	2.27	5300	<0.2	<10	240	0.49	7.16	0.19	0.71	18.45	7.1	29
ZZ65727		0.36	0.022	1.09	2.00	2650	<0.2	<10	130	1.07	7.49	0.29	6.12	27.4	19.4	20
ZZ65728		0.28	0.075	7.02	1.45	2210	<0.2	<10	130	0.64	4.89	0.07	1.12	17.90	12.4	19
ZZ65729		0.30	0.204	19.25	2.27	>10000	0.2	<10	130	0.59	62.0	0.12	2.71	20.5	8.0	29
ZZ65730		0.23	0.010	0.49	2.23	1515	<0.2	<10	200	0.63	10.00	0.06	0.77	20.8	9.2	30
ZZ65731		0.34	0.026	1.37	3.40	346	<0.2	<10	120	0.52	6.36	0.18	0.60	15.00	4.0	42
ZZ65732		0.32	0.003	0.59	1.77	403	<0.2	<10	110	0.57	2.93	0.09	0.68	16.30	6.8	22
ZZ65733		0.36	0.026	0.41	2.43	357	<0.2	<10	130	0.84	4.61	0.12	0.70	23.7	10.0	27
ZZ65734		0.51	0.016	0.47	2.06	393	<0.2	<10	180	0.80	2.63	0.23	0.54	31.9	12.6	27
ZZ65735		0.30	0.018	0.27	1.34	383	<0.2	<10	70	0.46	9.41	0.11	0.38	9.34	3.1	16
ZZ65736		0.37	0.002	0.15	0.73	211	<0.2	<10	50	0.17	2.11	0.03	0.36	16.85	4.7	19
ZZ65737		0.32	0.002	0.24	0.63	63.0	<0.2	<10	120	0.28	2.71	0.03	0.47	27.5	2.7	9
ZZ65738		0.25	<0.001	0.19	0.24	42.7	<0.2	<10	60	0.09	0.48	0.08	1.60	2.14	1.4	3
ZZ65739		0.31	0.002	0.11	0.88	107.5	<0.2	<10	80	0.29	1.08	0.06	0.88	16.25	4.7	17
ZZ65740		0.32	0.005	0.36	1.73	513	<0.2	<10	150	0.89	4.61	0.11	1.36	22.8	8.2	25
ZZ65741		0.32	0.003	0.17	0.86	97.4	<0.2	<10	100	0.35	0.86	0.07	1.80	14.95	6.7	15
ZZ65742		0.33	0.003	0.31	0.90	99.7	<0.2	<10	130	0.38	1.17	0.05	2.18	16.70	7.8	17
ZZ65743		0.48	0.016	0.75	1.46	274	<0.2	<10	220	1.73	3.63	0.12	11.40	39.5	26.3	19
ZZ65744		0.26	0.001	0.41	0.48	5.2	<0.2	<10	20	0.13	0.07	0.03	0.20	3.63	1.5	3
ZZ65745		0.28	0.003	0.95	0.32	61.9	<0.2	<10	40	0.14	0.24	0.03	0.81	13.05	1.7	5
ZZ65746		0.33	<0.001	0.16	0.67	15.9	<0.2	<10	70	0.24	0.21	0.03	0.22	9.85	5.2	9
ZZ65747		0.50	0.009	0.97	1.43	45.4	<0.2	<10	210	1.45	0.74	0.05	1.64	62.1	40.8	20
ZZ65748		0.30	0.003	0.19	0.70	61.6	<0.2	<10	90	0.19	0.48	0.03	0.66	16.00	6.0	13
ZZ65749		0.44	0.006	0.81	0.81	42.2	<0.2	<10	160	0.51	0.45	0.02	0.72	37.9	7.2	18
ZZ65750		0.47	0.008	1.39	0.76	281	<0.2	<10	190	0.37	0.39	0.03	2.55	67.9	4.3	15

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Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65711		3.33	176.0	9.79	5.09	0.10	0.09	0.07	0.058	0.11	11.0	24.3	0.67	330	51.2	0.02
ZZ65712		8.38	144.5	10.45	7.33	0.23	0.05	0.11	0.113	0.13	13.5	19.5	1.04	364	47.1	0.01
ZZ65713		8.63	150.0	11.70	14.15	0.32	0.16	0.18	0.113	0.52	13.6	19.7	0.55	186	112.0	0.05
ZZ65714		5.71	96.5	10.15	5.84	0.18	0.03	0.07	0.044	0.07	11.5	13.0	0.53	190	47.2	0.01
ZZ65715		7.77	71.3	4.92	8.63	0.12	0.02	0.06	0.052	0.10	16.2	19.1	0.48	1240	7.54	0.01
ZZ65716		5.48	121.0	5.60	4.45	0.14	0.04	0.05	0.059	0.08	18.6	19.0	0.36	725	11.00	0.01
ZZ65717		4.86	134.5	10.10	6.02	0.22	0.06	0.04	0.094	0.17	17.0	18.9	0.64	467	16.15	0.01
ZZ65718		6.36	127.5	5.28	5.48	0.13	0.02	0.07	0.055	0.10	14.1	13.3	0.36	663	17.75	0.01
ZZ65719		6.79	214	4.56	4.79	0.11	0.03	0.11	0.058	0.09	16.1	14.5	0.72	864	19.85	0.01
ZZ65720		2.57	86.6	2.00	3.52	0.05	0.03	0.06	0.040	0.05	10.9	7.6	0.26	125	9.21	0.02
ZZ65721		4.55	161.5	3.20	5.86	0.08	0.03	0.07	0.077	0.06	20.6	13.6	0.43	274	11.60	0.01
ZZ65722		6.67	163.5	4.49	6.86	0.09	0.03	0.07	0.067	0.16	8.1	16.0	0.46	285	2.92	0.01
ZZ65723		12.75	230	8.35	10.70	0.25	0.07	0.05	0.091	0.64	7.7	22.0	1.06	377	4.28	0.01
ZZ65724		17.10	282	10.00	13.35	0.38	0.07	0.04	0.159	0.87	10.8	25.3	1.50	333	5.35	0.01
ZZ65725		2.42	32.3	1.94	4.31	<0.05	0.02	0.04	0.019	0.07	3.9	8.6	0.16	120	1.51	0.02
ZZ65726		10.40	190.5	6.52	9.18	0.12	0.03	0.12	0.149	0.23	10.1	25.3	0.55	359	5.38	0.01
ZZ65727		6.98	305	3.87	6.10	0.09	0.03	0.08	0.186	0.09	16.5	22.3	0.34	448	4.41	0.01
ZZ65728		4.58	109.5	3.56	5.30	0.06	0.02	0.10	0.076	0.10	8.8	15.8	0.32	899	3.42	0.01
ZZ65729		8.84	847	10.55	7.90	0.22	0.03	0.14	1.175	0.23	10.6	18.4	0.69	402	9.18	0.01
ZZ65730		7.39	121.0	5.78	8.74	0.09	0.03	0.05	0.087	0.14	11.3	29.6	0.50	278	6.65	0.01
ZZ65731		11.90	269	11.85	14.15	0.27	0.14	0.05	0.332	0.33	6.8	18.5	0.94	300	4.81	0.01
ZZ65732		3.97	62.2	3.98	7.29	0.07	0.02	0.06	0.046	0.11	8.5	15.9	0.33	285	3.53	0.01
ZZ65733		4.96	107.5	3.87	6.98	0.09	0.08	0.10	0.057	0.12	11.6	20.5	0.54	254	3.90	0.01
ZZ65734		5.30	112.5	4.84	5.97	0.11	0.08	0.09	0.037	0.16	15.9	22.1	0.62	253	6.99	0.01
ZZ65735		4.52	49.4	3.92	6.36	0.07	0.03	0.07	0.022	0.09	5.0	6.7	0.23	121	2.80	0.02
ZZ65736		1.64	54.7	5.61	6.70	0.09	<0.02	0.02	0.035	0.04	8.8	3.9	0.10	134	3.03	0.01
ZZ65737		2.86	23.8	2.51	3.54	0.05	<0.02	0.02	0.023	0.07	15.4	5.0	0.13	78	1.61	0.01
ZZ65738		0.47	8.5	0.54	1.17	<0.05	<0.02	0.03	<0.005	0.03	1.1	0.8	0.03	65	1.22	0.02
ZZ65739		2.45	23.2	2.54	5.01	<0.05	<0.02	0.03	0.030	0.06	8.1	9.2	0.22	136	2.55	0.01
ZZ65740		8.24	59.8	4.72	6.92	0.10	0.04	0.05	0.065	0.11	11.7	19.1	0.44	253	6.37	0.01
ZZ65741		3.04	28.1	2.46	5.00	0.05	0.02	0.02	0.025	0.07	7.4	7.4	0.23	249	3.37	0.02
ZZ65742		2.70	29.6	2.50	4.86	0.06	<0.02	0.04	0.032	0.07	8.7	6.0	0.21	367	5.58	0.01
ZZ65743		4.50	101.0	6.59	4.47	0.18	0.07	0.04	0.086	0.12	21.1	18.7	0.44	492	51.6	0.02
ZZ65744		0.31	5.6	0.70	2.36	<0.05	<0.02	0.03	0.012	0.02	1.6	0.5	0.02	101	0.73	0.03
ZZ65745		1.19	13.4	1.07	1.74	<0.05	<0.02	0.04	0.106	0.04	6.7	0.9	0.04	57	1.52	0.02
ZZ65746		1.02	15.1	1.64	2.84	<0.05	<0.02	0.03	0.023	0.03	4.5	1.9	0.05	563	2.00	0.01
ZZ65747		11.40	104.5	5.79	4.58	0.14	0.03	0.05	0.131	0.18	30.6	15.4	0.45	1960	6.89	0.01
ZZ65748		2.01	24.0	3.29	4.38	<0.05	<0.02	0.06	0.146	0.05	8.4	2.4	0.10	547	3.77	0.01
ZZ65749		2.39	49.4	3.96	3.50	0.05	<0.02	0.08	0.307	0.09	20.7	3.7	0.10	458	4.88	0.01
ZZ65750		1.34	57.2	3.42	3.02	0.07	<0.02	0.18	0.111	0.07	35.8	3.7	0.09	240	4.69	0.01

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65711		0.63	151.5	1650	34.5	11.8	0.005	0.21	12.70	5.9	17.3	0.7	38.4	0.01	0.32	4.6
ZZ65712		1.06	45.6	2120	44.1	19.9	0.004	0.39	5.67	4.8	14.9	0.8	30.4	0.01	0.44	2.8
ZZ65713		1.05	82.1	3530	32.7	59.6	0.005	1.32	7.12	8.5	23.8	0.5	136.5	0.01	0.64	6.7
ZZ65714		0.76	33.4	1770	43.2	11.3	0.003	0.23	4.52	2.3	11.4	0.4	17.0	<0.01	0.39	1.6
ZZ65715		0.96	44.2	990	23.0	18.7	0.001	0.08	2.83	2.5	3.3	0.7	26.5	<0.01	0.12	1.1
ZZ65716		0.74	61.2	1240	49.4	10.9	0.002	0.11	4.77	2.5	5.3	0.5	37.0	0.01	0.16	2.9
ZZ65717		1.08	31.9	1200	81.8	18.5	0.001	0.20	22.2	3.7	10.4	1.9	64.8	0.01	0.51	5.4
ZZ65718		0.60	47.7	1510	36.1	15.5	0.001	0.09	6.46	1.7	7.8	1.0	31.1	0.01	0.22	0.6
ZZ65719		0.46	128.0	1510	49.0	15.6	0.002	0.13	4.77	1.4	6.2	1.0	29.7	0.01	0.38	0.3
ZZ65720		0.49	37.2	810	42.8	9.4	<0.001	0.05	7.68	1.6	2.2	1.9	16.0	0.01	0.12	0.6
ZZ65721		0.61	53.2	910	109.5	14.1	0.001	0.07	19.50	1.9	2.2	6.0	18.6	0.01	0.16	0.7
ZZ65722		1.59	19.2	720	34.1	22.7	<0.001	0.15	9.38	2.8	4.2	1.5	32.8	0.01	0.17	1.3
ZZ65723		2.81	21.2	1210	14.4	58.8	<0.001	0.32	4.75	5.4	8.6	1.6	140.0	<0.01	0.35	4.3
ZZ65724		3.19	17.0	640	30.4	80.5	0.001	0.45	8.93	6.8	11.7	3.2	39.6	<0.01	0.42	5.0
ZZ65725		1.02	12.0	480	15.3	12.1	<0.001	0.05	7.63	1.3	1.3	0.8	17.4	0.01	0.08	0.6
ZZ65726		2.20	23.0	850	38.7	29.1	<0.001	0.13	17.20	3.4	4.7	4.3	23.6	<0.01	0.23	2.3
ZZ65727		1.12	42.5	660	179.0	18.2	0.002	0.11	101.5	2.5	4.1	4.8	30.1	0.01	0.32	1.0
ZZ65728		1.12	23.6	550	295	17.0	<0.001	0.09	263	1.9	2.2	10.9	23.4	<0.01	0.12	0.6
ZZ65729		2.05	22.0	1060	2570	30.1	<0.001	0.29	1570	3.5	7.6	80.4	38.1	0.01	0.40	2.6
ZZ65730		2.03	35.4	520	47.7	27.7	<0.001	0.08	13.25	3.3	2.8	3.5	18.9	<0.01	0.24	3.0
ZZ65731		3.03	19.0	1230	49.8	32.5	<0.001	0.42	11.35	7.1	8.7	8.4	45.3	0.02	0.45	6.8
ZZ65732		1.57	18.4	520	38.6	22.9	<0.001	0.07	16.20	2.1	2.0	3.0	20.5	<0.01	0.15	0.8
ZZ65733		1.80	41.6	500	32.9	20.9	0.001	0.07	11.25	4.2	2.4	1.9	21.6	0.01	0.24	4.4
ZZ65734		1.81	50.7	590	32.0	17.9	0.002	0.09	13.05	4.5	2.9	1.2	36.1	0.01	0.25	4.9
ZZ65735		1.65	11.3	530	18.4	11.3	<0.001	0.07	7.08	1.8	2.0	1.1	14.2	<0.01	0.55	1.1
ZZ65736		1.30	21.5	490	26.8	8.4	<0.001	0.03	14.90	1.6	2.7	4.0	5.6	<0.01	0.18	2.0
ZZ65737		0.64	8.6	320	20.8	8.1	<0.001	0.10	7.23	1.1	1.0	1.6	12.0	<0.01	0.07	1.4
ZZ65738		0.14	4.4	580	3.4	2.8	<0.001	0.07	0.48	0.2	0.6	0.2	10.4	<0.01	0.02	<0.2
ZZ65739		1.24	16.7	350	16.0	13.3	<0.001	0.03	5.17	1.7	0.7	1.3	10.3	<0.01	0.07	1.0
ZZ65740		1.94	36.7	540	21.1	17.6	0.001	0.08	17.30	2.5	2.8	1.3	23.3	<0.01	0.14	1.7
ZZ65741		1.31	17.7	360	11.8	12.9	<0.001	0.04	3.81	1.3	0.8	0.8	14.9	<0.01	0.06	0.5
ZZ65742		0.72	18.5	570	16.6	14.8	<0.001	0.06	4.82	0.8	1.4	1.1	13.2	<0.01	0.09	<0.2
ZZ65743		0.83	138.5	1100	25.6	14.1	0.005	0.17	12.05	3.0	10.7	0.9	62.1	0.01	0.47	3.3
ZZ65744		0.19	2.7	280	10.4	1.8	<0.001	0.03	0.65	0.2	0.4	<0.2	6.6	<0.01	0.01	<0.2
ZZ65745		0.12	6.1	530	100.0	3.9	<0.001	0.07	15.25	0.4	0.8	0.9	8.5	<0.01	0.03	<0.2
ZZ65746		0.25	10.4	480	12.4	6.4	<0.001	0.11	2.71	0.5	0.7	0.4	7.3	<0.01	0.03	<0.2
ZZ65747		0.43	70.8	1090	131.0	24.6	<0.001	0.32	9.40	3.9	3.0	0.8	28.9	<0.01	0.14	3.4
ZZ65748		0.21	17.4	920	58.6	9.5	0.001	0.06	6.87	0.3	0.9	1.2	10.6	<0.01	0.06	<0.2
ZZ65749		0.27	27.0	1020	251	9.9	0.001	0.14	10.75	1.4	2.6	0.9	21.2	<0.01	0.08	0.4
ZZ65750		0.32	18.6	660	531	7.5	0.002	0.10	159.5	2.8	3.3	2.2	35.4	<0.01	0.06	2.9

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Finalized Date: 13- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65711		0.032	1.35	20.9	248	0.34	11.45	393	2.8	
ZZ65712		0.049	1.36	19.15	162	0.35	12.75	299	1.7	
ZZ65713		0.064	2.97	33.3	579	0.49	11.15	168	6.8	
ZZ65714		0.037	0.72	12.65	112	0.24	8.66	133	1.2	
ZZ65715		0.037	0.22	2.41	58	0.26	9.35	151	<0.5	
ZZ65716		0.033	0.24	4.60	55	0.22	11.35	210	1.2	
ZZ65717		0.034	0.35	4.35	81	0.24	11.05	188	3.3	
ZZ65718		0.033	0.37	6.59	109	0.27	8.48	184	<0.5	
ZZ65719		0.024	0.54	10.75	142	0.31	15.55	410	0.5	
ZZ65720		0.025	0.20	4.12	61	0.30	7.69	93	1.0	
ZZ65721		0.026	0.22	5.17	75	0.32	11.30	162	0.5	
ZZ65722		0.059	0.31	1.10	51	0.13	6.58	170	1.1	
ZZ65723		0.112	0.87	1.39	89	0.11	5.14	144	3.3	
ZZ65724		0.143	1.31	1.98	102	0.11	5.91	125	3.4	
ZZ65725		0.033	0.15	0.43	31	0.11	1.54	64	0.9	
ZZ65726		0.054	0.45	1.21	81	0.23	3.53	175	0.9	
ZZ65727		0.031	0.27	2.04	54	0.28	14.35	1220	0.5	
ZZ65728		0.035	0.22	1.14	47	0.15	4.96	211	0.5	
ZZ65729		0.069	0.37	4.21	69	1.81	6.62	359	1.1	1.40
ZZ65730		0.047	0.41	1.22	83	0.36	4.16	217	1.6	
ZZ65731		0.131	0.59	1.96	102	0.25	5.82	196	6.4	
ZZ65732		0.055	0.24	0.88	65	0.21	3.01	157	0.8	
ZZ65733		0.059	0.33	1.62	61	0.21	5.19	224	2.9	
ZZ65734		0.067	0.34	8.61	62	0.35	10.15	165	3.0	
ZZ65735		0.066	0.23	0.71	63	0.19	2.04	59	1.1	
ZZ65736		0.039	0.12	0.62	79	0.40	3.20	131	0.7	
ZZ65737		0.021	0.10	0.50	30	0.21	2.63	68	<0.5	
ZZ65738		0.006	0.04	0.49	14	0.05	0.55	24	<0.5	
ZZ65739		0.050	0.14	0.50	52	0.25	2.26	105	0.6	
ZZ65740		0.074	0.30	1.31	67	0.35	6.56	251	1.8	
ZZ65741		0.066	0.15	0.68	48	0.30	2.34	92	1.2	
ZZ65742		0.037	0.19	1.11	70	0.25	3.33	112	0.5	
ZZ65743		0.033	0.69	11.30	157	0.29	23.4	991	2.5	
ZZ65744		0.018	0.05	0.34	16	0.05	0.69	17	<0.5	
ZZ65745		0.008	0.17	0.71	20	<0.05	1.55	70	<0.5	
ZZ65746		0.020	0.15	0.51	32	0.10	1.58	64	<0.5	
ZZ65747		0.021	0.59	1.75	56	0.10	12.20	379	0.8	
ZZ65748		0.011	0.18	0.91	55	0.15	2.60	278	<0.5	
ZZ65749		0.014	0.42	1.67	55	0.13	5.08	237	<0.5	
ZZ65750		0.012	0.82	3.04	38	0.10	7.10	177	<0.5	

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Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ65793		0.20	0.003	0.53	1.05	145.0	<0.2	<10	110	0.20	1.93	0.04	0.25	18.40	4.4	19
ZZ65794		0.27	0.007	0.21	0.84	100.5	<0.2	<10	120	0.38	0.80	0.09	0.57	21.8	8.9	15
ZZ65795		0.18	0.009	0.71	1.26	464	<0.2	<10	130	0.37	3.03	0.09	0.60	18.95	5.9	19
ZZ65796		0.18	0.017	1.01	0.53	668	<0.2	<10	80	0.24	3.46	0.05	1.20	15.30	3.2	10
ZZ65797		0.26	0.014	0.82	0.63	541	<0.2	<10	120	0.23	3.18	0.04	1.05	14.80	3.1	10
ZZ65798		0.25	0.006	0.25	1.44	156.5	<0.2	<10	210	0.57	1.27	0.04	0.78	19.45	8.5	21
ZZ66501		0.14	0.039	1.18	0.97	1680	<0.2	<10	180	0.58	8.36	0.10	2.07	28.7	21.6	16
ZZ66502		0.29	0.018	1.69	1.44	1035	<0.2	<10	140	0.43	12.10	0.16	1.38	24.8	8.2	17
ZZ66503		0.19	<0.001	0.49	0.36	104.0	<0.2	<10	40	0.08	4.01	0.04	0.15	5.71	1.7	5
ZZ66504		0.17	0.011	0.92	1.19	659	<0.2	<10	60	0.35	7.94	0.11	0.31	19.60	3.2	6
ZZ66505		0.27	0.013	1.26	1.47	799	<0.2	<10	110	0.44	10.70	0.12	0.94	23.4	8.8	15
ZZ66506		0.26	0.016	0.45	1.49	1020	<0.2	<10	200	0.67	6.92	0.11	1.17	26.7	7.1	19
ZZ66507		0.33	0.014	1.09	1.47	418	<0.2	<10	110	0.53	2.74	0.06	0.20	17.65	3.4	29
ZZ66508		0.30	0.029	1.10	1.80	514	<0.2	<10	150	0.92	4.13	0.06	0.43	18.15	5.9	31
ZZ66509		0.29	0.014	1.01	1.86	79.8	<0.2	<10	120	0.66	2.71	0.05	0.19	20.0	3.8	29
ZZ66510		0.27	0.105	0.54	1.69	118.5	<0.2	<10	180	0.97	2.06	0.07	0.47	27.0	7.5	22
ZZ66511		0.24	0.021	0.54	1.55	189.5	<0.2	<10	190	1.04	1.62	0.07	1.15	23.1	7.8	19
ZZ66512		0.24	0.005	0.28	0.65	37.4	<0.2	<10	130	0.40	0.72	0.07	0.28	13.90	2.9	6
ZZ66513		0.32	0.028	1.24	0.37	203	<0.2	<10	500	0.38	1.14	0.01	0.19	32.5	1.4	8
ZZ66514		0.29	0.085	0.77	1.90	262	<0.2	<10	400	0.86	0.83	0.14	1.27	40.9	15.1	31
ZZ66515		0.31	0.015	0.39	0.88	128.5	<0.2	<10	100	0.32	2.65	0.03	0.27	16.90	5.0	14
ZZ66516		0.37	0.075	0.93	0.59	723	<0.2	<10	280	0.37	8.33	0.21	7.80	28.6	30.7	10
ZZ66517		0.29	0.039	1.51	1.13	469	<0.2	<10	250	1.29	5.80	0.26	8.72	41.1	31.9	18
ZZ66518		0.27	0.012	0.57	0.55	570	<0.2	<10	120	0.38	5.71	0.15	2.44	16.45	9.5	11
ZZ66519		0.18	0.011	0.22	1.17	81.3	<0.2	<10	60	0.41	1.12	0.10	0.33	7.02	8.6	8
ZZ66520		0.22	0.108	1.27	4.16	4580	<0.2	<10	210	1.22	18.15	0.58	0.81	27.6	18.1	43
ZZ66521		0.16	0.035	1.12	2.26	5950	<0.2	<10	170	0.99	18.65	0.36	1.46	21.5	27.1	20
ZZ66522		0.33	0.004	0.64	2.53	608	<0.2	<10	140	1.21	1.53	0.13	0.58	17.75	13.5	26
ZZ66523		0.21	0.002	0.27	1.36	221	<0.2	<10	90	0.57	1.18	0.04	0.41	10.85	7.1	16
ZZ66524		0.18	0.055	2.28	2.64	4100	<0.2	<10	210	0.90	22.9	0.15	1.62	28.1	11.4	33
ZZ66525		0.26	0.025	0.46	2.68	645	<0.2	<10	190	0.70	5.31	0.07	0.38	13.60	5.9	33
ZZ66526		0.18	0.004	0.77	1.28	801	<0.2	<10	60	0.31	2.68	0.04	0.60	7.14	2.1	15
ZZ66527		0.17	0.010	1.41	2.17	952	<0.2	<10	200	0.67	3.49	0.16	1.36	13.60	6.9	26
ZZ66528		0.22	0.022	0.49	3.67	213	<0.2	<10	160	0.82	8.99	0.23	0.29	17.85	8.0	36
ZZ66529		0.19	0.036	2.16	2.50	1050	<0.2	<10	140	0.79	4.35	0.37	0.95	22.9	12.7	24
ZZ66530		0.24	0.029	0.29	2.63	367	<0.2	<10	150	1.12	2.31	0.32	0.96	21.5	8.9	24
ZZ66531		0.12	0.008	1.46	0.78	467	<0.2	<10	30	0.20	1.63	0.06	0.31	4.57	1.7	6
ZZ66532		0.17	0.022	1.10	2.56	2280	<0.2	<10	170	0.67	24.7	0.06	0.24	20.8	4.9	35
ZZ66533		0.21	0.001	0.23	0.94	47.6	<0.2	<10	60	0.41	0.88	0.04	0.66	9.19	4.2	11
ZZ66534		0.28	0.003	0.28	0.92	178.0	<0.2	<10	160	0.35	1.40	0.07	2.95	14.80	8.9	17

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ65793		1.09	28.4	4.24	6.21	<0.05	<0.02	0.06	0.046	0.07	9.4	4.0	0.12	292	2.83	0.01
ZZ65794		1.22	33.7	2.86	2.94	<0.05	0.02	0.04	0.056	0.06	10.5	9.0	0.22	526	2.89	0.01
ZZ65795		2.40	60.6	2.53	4.67	<0.05	<0.02	0.08	0.040	0.06	9.7	10.5	0.28	159	4.77	0.02
ZZ65796		2.49	69.9	2.31	2.29	<0.05	<0.02	0.08	0.073	0.06	8.2	3.6	0.14	99	8.73	0.02
ZZ65797		2.09	57.8	2.43	3.26	<0.05	<0.02	0.07	0.065	0.06	8.1	3.1	0.11	123	8.46	0.01
ZZ65798		1.67	33.4	3.25	4.24	<0.05	0.02	0.07	0.050	0.09	9.6	13.9	0.25	381	3.43	0.01
ZZ66501		5.19	167.0	3.58	3.39	0.05	<0.02	0.08	0.031	0.08	15.3	10.8	0.33	430	11.90	0.01
ZZ66502		4.18	143.0	2.85	4.52	0.05	<0.02	0.09	0.041	0.07	14.1	9.0	0.34	297	12.70	0.02
ZZ66503		1.17	29.5	0.89	2.43	<0.05	<0.02	0.06	0.012	0.03	3.2	1.0	0.04	42	4.29	0.02
ZZ66504		1.87	89.9	1.44	3.29	<0.05	0.03	0.07	0.029	0.04	11.5	4.6	0.18	118	3.10	0.03
ZZ66505		2.38	109.0	2.61	4.41	<0.05	0.03	0.05	0.050	0.05	12.1	9.1	0.35	297	7.75	0.02
ZZ66506		2.65	107.0	4.14	4.48	0.07	0.02	0.06	0.047	0.08	15.4	10.6	0.51	186	23.0	0.02
ZZ66507		5.77	134.5	9.68	6.40	0.07	0.02	0.06	0.071	0.09	9.1	10.5	0.43	172	15.70	0.02
ZZ66508		5.07	203	15.20	7.15	0.12	0.05	0.04	0.098	0.12	9.5	15.4	0.52	285	14.55	0.03
ZZ66509		4.48	146.5	10.20	6.93	0.07	0.02	0.06	0.074	0.10	10.3	13.9	0.47	210	12.10	0.02
ZZ66510		4.78	140.0	7.84	5.70	0.07	0.03	0.04	0.088	0.11	14.7	16.5	0.53	245	35.2	0.02
ZZ66511		5.00	143.0	7.80	4.77	0.08	0.02	0.06	0.086	0.11	13.2	13.2	0.42	237	34.4	0.02
ZZ66512		2.15	39.7	2.32	2.26	<0.05	<0.02	0.05	0.030	0.04	7.7	3.6	0.07	86	25.9	0.03
ZZ66513		5.00	41.2	4.13	2.28	0.06	0.27	0.07	0.079	0.18	21.7	3.9	0.03	38	151.0	0.04
ZZ66514		3.27	114.0	7.67	6.53	0.08	0.05	0.14	0.079	0.10	18.4	28.3	0.89	279	73.5	0.03
ZZ66515		3.43	116.5	5.50	3.52	0.05	0.03	0.04	0.034	0.04	8.8	12.8	0.33	124	43.2	0.01
ZZ66516		2.11	178.5	2.89	1.76	0.07	0.02	0.03	0.116	0.08	16.5	18.6	0.58	433	19.95	0.01
ZZ66517		4.71	328	4.46	2.98	0.08	0.03	0.17	0.140	0.09	24.0	24.1	0.57	627	29.2	0.01
ZZ66518		2.40	76.7	2.14	1.93	<0.05	0.02	0.06	0.047	0.05	9.2	12.4	0.23	219	16.60	0.01
ZZ66519		3.34	50.4	2.08	3.95	<0.05	0.02	0.05	0.018	0.05	3.8	5.5	0.15	307	1.54	0.02
ZZ66520		21.2	338	10.80	14.45	0.27	0.11	0.08	0.163	0.78	12.8	37.5	1.56	786	4.50	0.02
ZZ66521		6.34	250	5.45	6.23	0.06	0.02	0.06	0.123	0.17	10.5	21.3	0.52	565	3.74	0.03
ZZ66522		8.34	110.5	4.85	7.89	<0.05	0.06	0.08	0.045	0.20	8.9	25.3	0.55	426	5.22	0.02
ZZ66523		3.49	42.9	2.88	5.55	<0.05	0.02	0.06	0.022	0.08	5.7	14.6	0.21	230	2.32	0.02
ZZ66524		7.70	402	6.94	7.58	0.06	0.05	0.10	0.199	0.26	14.5	31.5	0.80	406	4.93	0.01
ZZ66525		9.42	182.0	6.17	9.33	<0.05	0.11	0.04	0.290	0.44	7.0	34.3	0.90	295	3.75	0.01
ZZ66526		3.18	80.5	3.07	4.86	<0.05	<0.02	0.05	0.068	0.09	4.0	5.9	0.23	92	1.93	0.02
ZZ66527		6.06	132.0	5.10	7.88	<0.05	0.02	0.06	0.135	0.19	7.3	20.6	0.50	336	4.76	0.02
ZZ66528		9.14	312	7.80	11.25	0.10	0.12	0.04	0.080	0.34	7.7	25.8	0.88	322	4.20	0.02
ZZ66529		7.44	212	5.79	6.64	0.08	0.04	0.05	0.069	0.19	10.3	16.8	0.56	420	8.15	0.01
ZZ66530		5.65	86.9	4.01	5.56	0.05	0.08	0.04	0.254	0.11	10.0	16.4	0.45	203	3.27	0.01
ZZ66531		1.40	21.7	1.16	2.93	<0.05	0.03	0.03	0.024	0.03	2.4	2.6	0.06	62	0.95	0.02
ZZ66532		7.33	160.0	8.60	9.84	0.07	0.03	0.06	0.027	0.23	9.7	18.7	0.73	211	4.01	0.01
ZZ66533		2.84	21.8	1.97	3.47	<0.05	<0.02	0.03	0.020	0.05	4.7	12.1	0.17	131	1.65	0.02
ZZ66534		2.24	35.6	3.38	4.44	<0.05	<0.02	0.02	0.060	0.09	7.9	10.0	0.24	378	3.38	0.01

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ65793		0.62	13.8	850	54.4	13.6	<0.001	0.04	5.16	1.0	1.0	1.1	8.5	<0.01	0.08	0.2
ZZ65794		0.44	20.9	850	61.2	8.9	0.001	0.02	7.93	1.8	1.3	0.9	15.5	<0.01	0.08	1.6
ZZ65795		0.39	20.9	780	85.1	11.3	<0.001	0.06	22.8	0.7	1.8	3.9	15.6	<0.01	0.08	<0.2
ZZ65796		0.22	27.6	640	333	6.3	<0.001	0.06	140.0	0.6	1.9	14.7	14.7	<0.01	0.12	<0.2
ZZ65797		0.22	26.0	650	247	8.2	0.001	0.06	110.5	0.5	1.9	15.4	13.6	<0.01	0.09	<0.2
ZZ65798		0.57	22.8	710	51.7	12.5	0.001	0.03	7.50	1.7	1.0	1.4	9.7	<0.01	0.09	1.0
ZZ66501		0.35	63.4	940	168.0	10.4	0.001	0.12	63.7	1.1	2.8	11.5	28.0	<0.01	0.33	0.3
ZZ66502		0.51	47.3	1270	105.5	9.6	0.002	0.08	34.4	1.4	2.6	8.7	23.7	<0.01	0.06	0.4
ZZ66503		0.28	14.1	650	13.7	3.2	<0.001	0.07	5.10	0.2	0.4	2.1	6.4	<0.01	0.01	<0.2
ZZ66504		0.51	16.2	710	30.3	5.0	0.001	0.06	4.64	0.8	1.0	2.0	9.2	0.01	0.03	0.6
ZZ66505		0.49	39.0	850	94.2	8.0	<0.001	0.05	16.80	1.5	1.6	4.3	14.7	<0.01	0.04	0.8
ZZ66506		0.56	58.4	1580	38.0	9.4	0.001	0.11	7.66	2.0	8.6	1.2	30.9	<0.01	0.22	0.8
ZZ66507		0.88	14.8	1970	38.5	10.3	0.002	0.20	5.85	2.6	11.9	0.8	40.5	<0.01	0.35	1.5
ZZ66508		1.00	27.9	2830	53.0	12.2	0.002	0.42	7.12	3.9	19.3	0.8	102.0	0.01	0.65	4.0
ZZ66509		1.06	18.0	1720	36.9	11.1	<0.001	0.25	5.22	3.1	12.0	0.6	43.6	<0.01	0.42	1.7
ZZ66510		1.02	40.8	1860	41.7	13.9	0.002	0.20	10.40	3.1	12.3	1.1	67.9	<0.01	0.40	2.4
ZZ66511		0.73	42.7	1570	33.0	12.5	0.002	0.20	10.90	2.6	13.3	1.3	67.4	<0.01	0.38	1.5
ZZ66512		0.22	17.3	760	13.6	4.2	<0.001	0.09	7.73	0.5	6.4	0.6	35.6	<0.01	0.17	0.2
ZZ66513		0.09	15.1	1180	32.1	13.7	0.008	0.40	40.9	2.6	14.3	0.9	89.7	<0.01	0.38	7.3
ZZ66514		0.64	62.0	2450	26.2	9.2	0.002	0.37	9.82	2.4	11.3	0.6	37.4	<0.01	0.32	0.5
ZZ66515		0.56	34.7	780	32.5	6.6	0.002	0.07	4.04	1.7	8.4	0.5	10.9	<0.01	0.26	1.8
ZZ66516		0.19	96.5	860	31.2	8.3	0.002	0.04	2.91	1.9	7.7	0.7	9.1	<0.01	0.51	2.8
ZZ66517		0.31	271	1600	40.0	9.6	0.003	0.06	4.05	4.0	8.5	1.1	15.8	<0.01	0.33	2.2
ZZ66518		0.27	87.3	840	16.7	5.4	0.002	0.04	1.51	1.5	2.6	0.5	12.1	<0.01	0.11	0.7
ZZ66519		0.80	14.2	690	5.9	8.7	<0.001	0.06	1.56	1.0	1.0	0.8	15.7	0.01	0.06	0.4
ZZ66520		3.05	34.5	1050	38.6	64.8	<0.001	0.33	8.69	10.2	17.1	23.7	257	0.02	0.76	5.2
ZZ66521		1.35	37.2	830	72.3	19.4	0.001	0.13	27.1	2.8	5.3	5.4	57.0	<0.01	0.41	1.1
ZZ66522		2.67	22.0	690	23.4	28.2	<0.001	0.08	21.2	3.1	2.9	5.4	48.5	<0.01	0.16	2.3
ZZ66523		1.49	16.3	360	44.0	15.7	<0.001	0.04	18.65	1.6	1.1	1.9	10.7	<0.01	0.08	1.2
ZZ66524		1.71	50.6	850	203	30.5	0.001	0.19	74.7	5.0	5.2	7.2	26.3	<0.01	1.14	3.0
ZZ66525		2.21	23.3	560	20.7	51.0	<0.001	0.11	3.96	6.0	5.8	3.2	41.6	<0.01	0.19	4.0
ZZ66526		1.08	8.7	430	16.2	9.8	<0.001	0.08	4.88	1.1	1.7	1.8	8.7	<0.01	0.12	0.2
ZZ66527		1.90	28.3	700	99.1	25.2	<0.001	0.12	35.6	2.6	3.1	13.8	40.6	<0.01	0.15	1.0
ZZ66528		2.73	42.2	950	15.0	31.7	<0.001	0.19	4.11	6.7	6.8	1.7	38.1	0.01	1.08	5.6
ZZ66529		1.44	38.0	1030	63.1	17.4	<0.001	0.16	32.6	3.6	4.6	3.5	59.5	0.01	0.32	2.3
ZZ66530		1.33	42.3	590	52.8	10.7	0.002	0.08	34.5	3.3	2.8	3.0	46.0	<0.01	0.17	4.6
ZZ66531		0.61	4.6	510	185.0	4.1	<0.001	0.06	73.5	0.5	0.4	8.8	10.8	<0.01	0.05	0.3
ZZ66532		2.07	21.7	820	28.6	23.7	0.001	0.16	5.28	4.5	6.0	1.4	25.0	<0.01	0.63	3.3
ZZ66533		0.60	13.6	290	9.5	8.1	<0.001	0.04	3.26	0.8	0.7	0.5	7.2	<0.01	0.05	0.2
ZZ66534		0.70	17.4	490	76.7	15.6	<0.001	0.05	30.7	1.5	1.2	3.4	13.7	<0.01	0.09	0.8

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ65793		0.022	0.24	0.59	68	0.21	2.55	101	<0.5	
ZZ65794		0.014	0.17	0.80	39	0.11	4.86	136	0.5	
ZZ65795		0.023	0.26	1.31	51	0.28	4.36	121	<0.5	
ZZ65796		0.017	0.18	1.98	59	0.16	4.47	192	<0.5	
ZZ65797		0.014	0.20	1.42	62	0.14	3.45	174	<0.5	
ZZ65798		0.013	0.23	0.87	52	0.17	3.81	137	0.6	
ZZ66501		0.022	0.28	3.37	73	0.25	7.59	260	0.5	
ZZ66502		0.030	0.24	4.99	102	0.22	8.16	185	<0.5	
ZZ66503		0.018	0.08	1.16	51	0.12	1.50	36	<0.5	
ZZ66504		0.022	0.09	2.72	33	0.16	4.71	55	1.0	
ZZ66505		0.027	0.14	2.82	54	0.24	5.66	161	0.6	
ZZ66506		0.039	0.29	8.52	142	0.44	11.30	193	0.8	
ZZ66507		0.054	0.31	3.72	86	0.24	6.00	122	1.1	
ZZ66508		0.055	0.32	5.09	90	0.23	6.01	240	2.1	
ZZ66509		0.059	0.31	4.07	87	0.23	4.97	119	1.0	
ZZ66510		0.054	0.51	6.72	96	0.30	8.17	207	1.6	
ZZ66511		0.040	0.50	6.19	91	0.29	7.71	276	1.1	
ZZ66512		0.022	0.29	3.51	50	0.21	3.08	83	0.5	
ZZ66513		0.006	1.11	12.40	84	0.67	8.57	102	20.5	
ZZ66514		0.024	0.86	8.89	133	0.27	14.20	193	2.3	
ZZ66515		0.021	0.29	6.39	86	0.22	5.06	104	1.2	
ZZ66516		0.009	0.24	9.33	74	8.14	21.2	520	1.3	
ZZ66517		0.014	0.61	19.90	206	0.26	36.8	911	0.9	
ZZ66518		0.016	0.19	6.63	138	0.12	10.40	213	0.5	
ZZ66519		0.043	0.10	0.53	29	0.09	2.64	84	0.8	
ZZ66520		0.144	1.25	1.79	123	0.15	9.16	252	5.3	
ZZ66521		0.056	0.34	2.99	53	0.18	9.02	270	0.9	
ZZ66522		0.094	0.40	0.93	77	0.22	4.39	371	2.5	
ZZ66523		0.048	0.22	0.56	57	0.19	2.24	136	0.8	
ZZ66524		0.064	0.55	2.30	79	0.20	8.81	499	1.7	
ZZ66525		0.082	0.75	0.78	97	0.10	2.76	255	5.3	
ZZ66526		0.050	0.15	0.59	47	0.13	1.53	65	<0.5	
ZZ66527		0.068	0.33	1.01	66	0.25	3.01	253	0.8	
ZZ66528		0.113	0.51	1.51	86	0.26	6.33	229	4.6	
ZZ66529		0.061	0.31	4.66	66	0.49	7.85	185	1.3	
ZZ66530		0.052	0.26	1.30	52	0.33	5.41	317	3.1	
ZZ66531		0.030	0.07	0.47	20	0.09	1.09	46	1.0	
ZZ66532		0.086	0.56	1.43	104	0.30	5.54	92	1.4	
ZZ66533		0.031	0.10	0.44	34	0.11	2.30	132	<0.5	
ZZ66534		0.029	0.16	0.63	52	0.18	2.34	204	<0.5	

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CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66535		0.16	<0.001	0.21	0.38	50.9	<0.2	<10	50	0.11	0.61	0.06	2.35	3.58	4.5	3
ZZ66536		0.22	0.001	0.16	0.80	35.4	<0.2	<10	90	0.41	0.56	0.04	0.82	8.78	3.4	11
ZZ66537		0.20	<0.001	0.34	0.58	115.0	<0.2	<10	60	0.15	1.82	0.04	1.14	6.03	4.2	7
ZZ66538		0.28	0.003	0.29	0.67	100.5	<0.2	<10	90	0.26	1.01	0.06	0.75	10.55	4.1	14
ZZ66539		0.24	<0.001	0.12	0.20	6.6	<0.2	<10	50	0.07	0.12	0.05	1.26	2.07	1.1	3
ZZ66540		0.26	0.031	0.98	1.64	222	<0.2	<10	240	2.03	4.81	0.12	11.00	45.4	35.4	22
ZZ66541		0.26	0.007	3.17	0.66	25.2	<0.2	<10	330	0.99	0.28	0.16	10.90	35.8	6.4	15
ZZ66542		0.26	<0.001	0.34	0.35	5.7	<0.2	<10	20	0.09	0.08	0.04	0.26	2.75	1.3	2
ZZ66543		0.24	0.014	2.04	0.72	418	<0.2	<10	150	0.71	0.74	0.15	10.65	57.0	11.2	14
ZZ66544		0.24	0.001	0.36	0.57	13.4	<0.2	<10	40	0.14	0.13	0.05	0.56	4.78	2.4	3
ZZ66545		0.23	0.006	1.66	0.57	46.4	<0.2	<10	60	0.25	0.27	0.08	1.93	14.20	3.9	7
ZZ66546		0.32	0.019	4.10	0.83	319	<0.2	<10	170	0.84	1.54	0.10	13.95	66.6	10.1	9
ZZ66547		0.37	0.019	4.52	0.56	502	<0.2	<10	150	0.62	1.13	0.05	7.04	64.5	5.5	10
ZZ66548		0.29	0.006	1.79	0.89	139.0	<0.2	<10	210	0.90	0.60	0.07	4.05	70.4	13.7	12
ZZ66549		0.34	0.003	0.72	0.33	251	<0.2	<10	90	0.17	0.67	0.01	0.40	56.6	2.3	15
ZZ66550		0.30	0.002	0.33	0.28	110.0	<0.2	<10	30	0.10	0.69	0.01	0.11	25.4	0.6	13
ZZ66551		0.26	0.014	1.32	0.98	62.6	<0.2	<10	210	0.69	0.52	0.03	1.05	79.7	3.2	34
ZZ66552		0.29	0.004	1.97	1.51	75.2	<0.2	<10	210	1.14	0.39	0.10	2.74	38.8	13.5	23
ZZ66553		0.31	0.001	0.23	0.83	29.6	<0.2	<10	60	0.12	0.34	0.06	0.11	9.45	1.7	10
ZZ66554		0.25	0.004	0.47	1.69	205	<0.2	<10	110	0.46	0.90	0.04	0.63	19.80	6.4	24
ZZ66555		0.26	0.038	1.49	0.67	647	<0.2	<10	100	0.27	1.49	0.04	1.67	19.35	6.0	10
ZZ66556		0.22	0.018	0.60	1.70	393	<0.2	<10	120	0.57	4.68	0.08	0.54	24.0	7.1	26
ZZ66557		0.26	0.027	0.39	1.53	150.0	<0.2	<10	90	0.61	2.45	0.07	0.45	19.00	10.9	22
ZZ66558		0.33	0.013	0.31	1.58	197.0	<0.2	<10	100	0.55	2.05	0.07	0.33	18.15	5.5	25
ZZ66559		0.27	0.022	0.60	2.34	563	<0.2	<10	110	0.88	2.32	0.10	0.41	29.9	11.2	28
ZZ66560		0.28	0.010	0.52	1.95	378	<0.2	<10	160	0.77	2.23	0.13	0.25	31.9	6.2	23
ZZ66561		0.37	0.016	0.47	2.00	371	<0.2	<10	150	0.76	3.76	0.14	0.36	32.9	8.3	26
ZZ66562		0.26	0.018	1.57	0.64	2000	<0.2	<10	90	0.19	2.96	0.07	1.06	10.10	2.4	11
ZZ66563		0.33	0.026	3.40	0.63	1980	<0.2	<10	90	0.31	4.39	0.07	1.83	13.70	11.0	9
ZZ66564		0.30	0.007	0.92	0.57	380	<0.2	<10	40	0.13	1.71	0.11	0.28	11.45	3.7	6
ZZ66565		0.30	0.018	2.13	0.17	400	<0.2	<10	70	0.13	2.30	0.01	0.49	8.16	2.0	3
ZZ66566		0.37	0.037	0.94	2.19	3890	<0.2	<10	80	1.60	48.3	0.52	0.44	108.0	33.8	15
ZZ66567		0.36	0.007	0.98	0.57	883	<0.2	<10	90	0.30	48.7	0.03	0.66	16.95	4.4	10
ZZ66568		0.40	0.006	0.46	0.71	464	<0.2	<10	110	0.26	11.60	0.05	0.57	15.95	3.7	15
ZZ66569		0.49	0.040	1.36	1.92	2180	<0.2	<10	390	1.47	12.25	0.09	1.54	45.4	7.9	25
ZZ66570		0.38	0.020	0.68	1.71	231	<0.2	<10	290	1.48	4.39	0.13	2.47	25.9	9.9	17
ZZ66571		0.26	0.015	0.78	1.73	1060	<0.2	<10	180	0.75	3.50	0.06	0.58	24.3	5.8	27
ZZ66572		0.39	0.014	1.25	2.06	136.5	<0.2	<10	220	1.45	3.12	0.15	1.91	34.7	10.8	24
ZZ66573		0.39	0.019	3.80	2.20	1595	<0.2	<10	180	1.06	14.50	0.28	4.06	16.60	15.2	17
ZZ66574		0.25	0.022	1.51	1.75	364	<0.2	<10	70	0.64	4.45	0.07	0.43	20.9	5.4	21

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66535		0.57	13.7	0.76	1.66	<0.05	<0.02	0.01	0.007	0.02	1.9	0.6	0.03	379	1.19	0.02
ZZ66536		1.56	20.6	1.58	3.51	<0.05	<0.02	0.02	0.016	0.05	4.5	3.9	0.12	115	1.48	0.02
ZZ66537		2.11	14.4	1.44	3.64	<0.05	<0.02	0.03	0.013	0.04	3.2	2.0	0.06	183	1.88	0.02
ZZ66538		2.33	23.2	2.08	3.55	<0.05	<0.02	0.02	0.022	0.08	4.8	5.8	0.20	167	2.55	0.02
ZZ66539		0.62	7.4	0.50	1.24	<0.05	<0.02	0.02	0.005	0.03	1.2	0.4	0.02	97	0.94	0.03
ZZ66540		4.54	115.0	7.45	4.37	0.11	0.03	0.04	0.079	0.12	22.6	17.4	0.45	764	50.0	0.02
ZZ66541		1.48	73.6	2.21	1.86	0.08	0.05	0.10	0.044	0.11	22.1	5.9	0.43	316	28.6	0.01
ZZ66542		0.13	4.5	0.46	1.49	<0.05	<0.02	0.01	0.025	0.02	1.5	0.3	0.01	104	0.28	0.03
ZZ66543		2.03	58.5	3.89	2.43	0.08	0.02	0.13	0.457	0.09	28.0	4.7	0.21	550	3.19	0.01
ZZ66544		0.70	7.3	0.70	2.55	<0.05	<0.02	0.01	0.034	0.02	2.4	0.6	0.02	446	0.77	0.03
ZZ66545		2.27	30.9	2.09	2.13	<0.05	0.02	0.02	0.218	0.04	7.4	1.7	0.07	262	1.47	0.02
ZZ66546		2.93	57.5	3.55	2.41	0.08	0.02	0.07	0.825	0.12	34.8	4.6	0.31	828	0.94	0.01
ZZ66547		1.35	75.0	3.44	1.64	0.08	0.04	0.08	1.095	0.11	32.5	1.6	0.05	268	0.81	0.01
ZZ66548		3.20	45.7	3.58	2.99	0.09	<0.02	0.05	0.095	0.12	35.1	5.5	0.27	657	1.88	0.01
ZZ66549		1.44	32.7	2.64	2.23	0.07	0.12	0.43	0.039	0.05	29.4	1.1	0.03	68	1.65	0.01
ZZ66550		0.82	22.7	1.96	1.63	<0.05	0.11	0.17	0.023	0.02	12.4	1.0	0.02	29	1.34	0.01
ZZ66551		3.82	141.0	6.81	4.72	0.14	0.02	0.09	0.111	0.18	40.0	6.9	0.19	122	9.66	0.01
ZZ66552		1.95	99.7	5.80	4.54	0.08	0.02	0.08	0.060	0.11	23.3	15.0	0.33	405	23.2	0.01
ZZ66553		1.18	17.3	1.27	3.58	<0.05	<0.02	0.02	0.011	0.04	4.9	3.7	0.08	70	1.58	0.02
ZZ66554		2.67	38.6	3.37	5.89	<0.05	<0.02	0.06	0.036	0.07	10.0	13.8	0.25	428	3.93	0.01
ZZ66555		1.64	58.8	2.39	2.73	<0.05	<0.02	0.08	0.051	0.05	9.4	5.7	0.14	184	3.64	0.02
ZZ66556		3.88	116.5	4.51	5.62	0.05	<0.02	0.07	0.044	0.10	11.7	16.8	0.44	272	4.11	0.01
ZZ66557		3.45	114.0	3.62	5.09	0.06	<0.02	0.04	0.030	0.08	8.4	15.8	0.43	365	3.78	0.01
ZZ66558		4.20	88.9	4.09	6.42	0.05	<0.02	0.04	0.030	0.09	9.0	15.5	0.41	175	4.16	0.01
ZZ66559		8.00	212	5.31	6.28	0.06	0.03	0.07	0.044	0.10	13.4	26.9	0.57	317	5.69	0.01
ZZ66560		6.78	258	4.11	5.79	0.08	0.02	0.04	0.034	0.19	15.9	17.2	0.63	172	3.05	0.02
ZZ66561		7.69	263	5.42	5.98	0.10	0.03	0.02	0.044	0.20	14.8	19.5	0.68	236	5.14	0.02
ZZ66562		2.49	84.0	2.54	2.89	<0.05	<0.02	0.03	0.091	0.06	5.7	3.3	0.17	107	14.95	0.02
ZZ66563		2.63	189.0	3.31	2.56	0.06	<0.02	0.16	0.185	0.08	7.0	3.4	0.19	434	21.0	0.02
ZZ66564		1.66	52.3	1.67	2.29	<0.05	0.02	0.03	0.049	0.04	5.5	2.3	0.10	156	10.50	0.02
ZZ66565		1.05	63.9	2.05	0.70	<0.05	<0.02	0.09	0.068	0.07	4.7	1.0	0.03	86	21.9	0.01
ZZ66566		5.71	169.5	7.43	7.77	0.18	0.02	0.05	0.062	0.07	60.2	21.0	0.72	845	2.60	0.04
ZZ66567		2.29	168.5	2.93	3.26	<0.05	<0.02	0.03	0.066	0.04	10.4	1.6	0.05	112	16.95	0.01
ZZ66568		3.19	74.8	2.41	4.28	<0.05	<0.02	0.04	0.041	0.05	9.6	4.4	0.16	114	11.80	0.01
ZZ66569		4.41	165.0	8.68	5.78	0.19	0.06	0.06	0.200	0.18	27.3	16.0	0.89	214	67.5	0.03
ZZ66570		3.94	112.5	5.83	4.60	0.10	0.04	0.02	0.115	0.10	15.4	16.2	0.67	224	43.0	0.03
ZZ66571		5.70	157.5	10.15	6.72	0.12	0.02	0.06	0.077	0.17	12.8	17.5	0.84	233	23.5	0.02
ZZ66572		4.86	167.5	7.88	6.35	0.13	0.04	0.03	0.169	0.10	20.5	25.3	1.31	264	73.9	0.02
ZZ66573		3.41	146.5	7.26	6.61	0.15	0.06	0.03	0.794	0.13	8.6	25.3	1.54	438	25.7	0.01
ZZ66574		3.98	91.3	6.64	6.45	0.06	<0.02	0.09	0.119	0.05	11.1	12.3	0.32	182	8.42	0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66535		0.21	6.5	590	4.6	2.6	<0.001	0.07	0.69	0.1	0.3	0.3	8.9	<0.01	0.02	<0.2
ZZ66536		0.44	8.5	390	7.5	7.0	<0.001	0.03	2.16	0.4	0.4	0.6	7.4	<0.01	0.04	<0.2
ZZ66537		0.83	6.1	300	6.0	9.4	0.001	0.04	1.68	0.5	0.7	0.7	8.1	<0.01	0.04	<0.2
ZZ66538		0.47	13.0	440	10.4	12.0	<0.001	0.05	4.00	0.6	0.6	0.7	11.1	<0.01	0.05	<0.2
ZZ66539		0.06	2.9	520	4.3	4.1	<0.001	0.04	0.57	0.1	0.2	0.2	8.7	<0.01	0.02	<0.2
ZZ66540		0.77	159.0	1320	30.2	12.2	0.005	0.19	12.80	3.4	12.1	0.9	64.3	0.01	0.40	3.3
ZZ66541		0.07	71.5	710	36.7	7.9	0.011	0.15	9.34	3.7	6.2	0.3	104.5	<0.01	0.23	2.9
ZZ66542		0.17	2.1	340	28.4	0.6	<0.001	0.03	0.58	0.1	0.3	<0.2	6.8	<0.01	<0.01	<0.2
ZZ66543		0.21	34.1	610	704	5.4	0.002	0.13	120.0	3.6	3.9	3.2	34.7	<0.01	0.06	4.8
ZZ66544		0.29	3.6	520	26.8	2.2	<0.001	0.04	1.45	0.2	0.3	0.4	6.8	<0.01	0.01	<0.2
ZZ66545		0.23	9.3	890	124.5	4.0	0.001	0.07	8.67	0.7	1.0	0.8	10.9	<0.01	0.05	0.4
ZZ66546		0.17	36.5	620	887	6.8	<0.001	0.19	23.7	3.3	2.2	5.1	37.6	<0.01	0.07	7.2
ZZ66547		0.06	23.5	500	1055	5.0	<0.001	0.21	43.5	4.8	2.6	4.6	37.1	<0.01	0.07	12.3
ZZ66548		0.22	44.4	730	155.0	8.2	<0.001	0.20	21.1	2.5	2.4	0.9	31.5	<0.01	0.09	3.7
ZZ66549		0.13	6.7	350	137.0	4.1	<0.001	0.05	42.5	3.3	4.9	1.3	18.0	<0.01	0.04	12.8
ZZ66550		0.11	4.2	310	73.9	2.2	0.001	0.02	24.6	3.3	4.0	1.3	6.8	<0.01	0.07	10.3
ZZ66551		0.46	17.5	1550	66.1	11.6	0.007	0.38	24.8	7.7	8.6	0.8	45.7	<0.01	0.15	5.0
ZZ66552		0.29	118.5	1190	149.0	7.9	0.005	0.22	27.4	4.5	5.4	3.4	78.5	<0.01	0.11	3.6
ZZ66553		0.33	5.2	660	8.0	7.2	<0.001	0.04	1.28	0.3	0.3	0.5	6.5	<0.01	0.02	<0.2
ZZ66554		0.89	15.0	680	44.9	11.4	0.001	0.05	16.30	1.3	1.2	3.3	10.5	<0.01	0.08	0.4
ZZ66555		0.26	13.3	620	414	5.3	<0.001	0.07	202	0.8	1.9	19.7	14.1	<0.01	0.09	0.2
ZZ66556		0.75	26.1	850	68.7	13.1	<0.001	0.10	35.1	1.8	2.9	3.9	15.1	<0.01	0.21	0.6
ZZ66557		0.65	27.1	720	18.4	9.9	<0.001	0.08	6.70	1.3	2.1	0.9	16.6	<0.01	0.30	0.3
ZZ66558		1.23	23.3	610	55.6	11.0	<0.001	0.08	23.1	2.2	3.0	2.1	20.9	<0.01	0.15	1.2
ZZ66559		1.39	43.1	820	136.5	13.7	0.002	0.11	45.0	3.4	4.6	3.7	23.0	0.01	0.30	2.7
ZZ66560		0.96	32.6	980	38.8	16.8	<0.001	0.14	6.07	2.9	4.4	1.3	48.4	0.01	0.18	1.2
ZZ66561		1.06	40.3	1070	39.8	18.2	0.002	0.16	13.45	3.3	5.3	1.7	99.2	0.01	0.20	2.1
ZZ66562		0.19	24.1	910	301	7.1	0.001	0.13	94.2	0.5	5.1	8.5	15.0	<0.01	0.29	<0.2
ZZ66563		0.23	47.6	910	510	7.3	0.004	0.12	212	1.5	5.4	13.2	14.0	<0.01	0.20	0.6
ZZ66564		0.33	20.1	670	163.5	4.9	0.002	0.04	71.6	0.9	1.2	11.1	11.4	<0.01	0.09	0.5
ZZ66565		0.10	29.7	200	320	6.1	0.002	0.16	103.0	0.6	3.2	21.4	10.2	<0.01	0.07	0.7
ZZ66566		1.10	14.0	1140	67.1	10.6	0.001	0.07	8.24	6.9	3.4	2.5	38.2	0.01	0.85	8.9
ZZ66567		0.16	59.3	860	107.0	6.4	0.002	0.08	30.3	0.5	2.8	6.0	13.4	<0.01	0.10	<0.2
ZZ66568		0.13	42.0	1180	42.3	8.9	0.001	0.08	6.85	0.3	4.3	1.8	15.7	<0.01	0.11	<0.2
ZZ66569		0.91	86.5	3090	159.0	17.2	0.004	0.29	12.20	4.0	22.7	1.4	110.0	<0.01	0.50	4.1
ZZ66570		0.57	93.7	2150	35.4	10.6	0.003	0.22	6.71	1.7	15.4	0.6	94.8	0.01	0.59	0.9
ZZ66571		1.15	49.6	1640	31.1	17.7	0.004	0.21	5.61	4.0	11.5	0.9	41.9	<0.01	0.42	1.7
ZZ66572		1.14	148.5	1910	76.4	11.5	0.005	0.21	6.79	3.0	19.4	1.0	66.6	0.01	0.37	2.0
ZZ66573		0.76	110.5	980	776	14.7	0.003	0.15	9.93	2.2	12.9	5.1	46.7	0.01	0.41	2.8
ZZ66574		0.63	25.6	1360	103.0	8.5	0.001	0.14	5.61	1.2	8.4	1.4	26.8	<0.01	0.33	0.3

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ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ66535		0.016	0.05	0.61	21	0.05	0.80	29	<0.5	
ZZ66536		0.028	0.10	0.50	38	0.15	1.67	66	<0.5	
ZZ66537		0.043	0.10	0.44	38	0.19	0.90	54	<0.5	
ZZ66538		0.033	0.14	0.56	43	0.20	1.93	86	<0.5	
ZZ66539		0.009	0.05	0.24	16	0.06	0.36	26	<0.5	
ZZ66540		0.037	0.77	13.05	166	0.28	28.7	1210	1.5	
ZZ66541		<0.005	1.89	4.47	180	0.07	27.5	516	2.3	
ZZ66542		0.016	0.04	0.26	10	<0.05	0.84	13	<0.5	
ZZ66543		0.006	0.51	3.02	36	0.06	9.03	447	0.9	
ZZ66544		0.016	0.06	0.37	12	0.06	0.93	35	0.5	
ZZ66545		0.014	0.09	0.68	25	0.07	1.81	172	0.6	
ZZ66546		0.005	0.23	1.93	19	0.07	15.05	1140	1.3	
ZZ66547		<0.005	0.23	2.08	21	<0.05	7.15	421	4.6	
ZZ66548		0.008	0.47	2.29	27	0.10	9.85	353	0.5	
ZZ66549		0.005	1.38	1.57	34	0.08	5.46	104	7.1	
ZZ66550		0.005	0.83	1.12	35	0.10	5.04	42	6.2	
ZZ66551		0.017	2.52	7.36	112	0.21	10.35	196	0.7	
ZZ66552		0.008	0.82	8.78	192	0.12	15.85	854	1.0	
ZZ66553		0.016	0.14	0.46	32	0.17	1.32	33	<0.5	
ZZ66554		0.033	0.27	1.13	62	0.40	2.92	111	<0.5	
ZZ66555		0.017	0.21	2.43	29	0.47	2.96	136	<0.5	
ZZ66556		0.045	0.31	1.62	66	0.41	4.71	121	<0.5	
ZZ66557		0.039	0.19	1.39	53	0.29	3.90	76	<0.5	
ZZ66558		0.058	0.25	1.20	67	0.48	3.48	82	0.6	
ZZ66559		0.052	0.31	1.93	63	3.21	8.36	144	1.1	
ZZ66560		0.056	0.42	2.35	53	0.27	8.31	88	0.7	
ZZ66561		0.063	0.41	2.60	63	1.40	8.99	135	0.8	
ZZ66562		0.018	0.22	2.95	42	0.25	2.15	150	<0.5	
ZZ66563		0.018	0.30	5.77	66	0.26	5.37	285	0.6	
ZZ66564		0.029	0.16	1.63	31	0.14	2.39	108	0.5	
ZZ66565		<0.005	0.15	2.30	19	0.09	1.70	146	<0.5	
ZZ66566		0.049	0.12	10.50	45	0.83	19.25	80	0.8	
ZZ66567		0.010	0.19	3.35	46	0.33	4.31	172	<0.5	
ZZ66568		0.012	0.19	4.39	146	0.18	5.92	94	<0.5	
ZZ66569		0.049	0.46	30.9	196	1.19	24.1	308	3.0	
ZZ66570		0.037	0.45	12.40	142	0.30	13.55	355	1.1	
ZZ66571		0.062	0.36	7.36	112	0.23	9.62	251	1.3	
ZZ66572		0.058	0.41	24.0	234	0.31	20.4	689	2.0	
ZZ66573		0.040	0.27	8.48	111	0.19	10.35	883	3.0	
ZZ66574		0.032	0.21	2.83	62	0.29	6.51	119	<0.5	

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66575		0.36	0.016	1.34	1.78	196.5	<0.2	<10	110	1.17	5.10	0.11	0.63	28.7	7.1	23
ZZ66576		0.32	0.015	0.67	2.46	45.7	<0.2	<10	110	1.44	9.53	0.23	5.07	20.5	33.3	13
ZZ66577		0.39	0.046	0.82	2.70	229	<0.2	<10	280	2.56	11.45	0.31	3.28	28.9	27.7	24
ZZ66578		0.33	0.033	1.13	1.43	226	<0.2	<10	350	1.75	2.85	0.16	2.27	36.3	21.1	25
ZZ66579		0.38	0.058	0.64	0.78	646	<0.2	<10	360	0.81	2.20	0.02	0.44	29.4	4.0	15
ZZ66580		0.34	0.042	0.83	2.14	247	<0.2	<10	690	1.27	1.44	0.14	0.33	32.9	9.6	23
ZZ66581		0.29	0.028	0.97	1.90	166.5	<0.2	<10	330	1.16	1.57	0.08	0.40	54.0	7.2	26
ZZ66582		0.32	0.010	1.38	1.29	2010	<0.2	<10	450	0.91	5.23	0.13	1.58	70.8	26.9	16
ZZ66583		0.18	0.031	0.41	1.45	2390	<0.2	<10	190	0.77	17.20	0.15	0.66	18.95	12.0	20
ZZ66584		0.21	0.047	1.18	1.56	3110	<0.2	<10	170	0.79	45.1	0.06	0.95	25.6	10.8	26
ZZ66585		0.28	0.038	3.82	2.86	7870	<0.2	<10	170	1.11	26.1	0.32	0.29	27.0	16.7	25
ZZ66586		0.25	0.101	3.17	1.83	6740	<0.2	<10	170	0.58	22.1	0.17	0.92	21.6	7.9	22
ZZ66587		0.20	0.005	0.69	0.92	754	<0.2	<10	60	0.31	2.60	0.08	0.94	8.74	4.8	7
ZZ66588		0.25	0.035	2.15	2.73	5640	<0.2	<10	240	0.53	21.4	0.07	0.24	19.75	4.5	40
ZZ66589		0.20	<0.001	0.44	0.67	47.6	<0.2	<10	50	0.20	0.44	0.07	1.01	4.51	4.8	3
ZZ66590		0.22	0.007	0.35	1.70	399	<0.2	<10	140	0.76	4.99	0.17	0.54	16.35	14.0	19
ZZ66591		0.24	0.010	0.34	1.98	351	<0.2	<10	100	0.50	3.14	0.08	0.29	14.05	9.4	20
ZZ66592		0.21	0.082	4.42	2.15	4160	<0.2	<10	150	0.46	25.1	0.19	0.59	25.8	8.1	23
ZZ66593		0.27	<0.001	0.42	0.65	103.0	<0.2	<10	90	0.22	1.02	0.03	0.41	7.49	5.3	6
ZZ66594		0.33	<0.001	0.32	0.99	276	<0.2	<10	130	0.41	2.02	0.05	0.68	14.80	6.2	14
ZZ66595		0.33	0.002	0.37	0.83	329	<0.2	<10	110	0.39	2.81	0.08	0.88	20.1	5.7	13
ZZ66596		0.20	0.005	0.21	1.69	388	<0.2	<10	240	0.59	5.23	0.13	0.57	13.40	16.3	17
ZZ66597		0.26	0.005	0.58	1.67	1555	<0.2	<10	250	0.81	11.00	0.13	1.36	28.2	9.9	14
ZZ66598		0.29	0.003	0.77	1.25	3270	<0.2	<10	170	0.74	14.50	0.07	3.52	29.4	10.9	13
ZZ66599		0.33	0.005	0.46	1.52	3360	<0.2	<10	160	0.87	12.90	0.14	0.92	29.0	8.7	12
ZZ66600		0.30	<0.001	0.12	1.04	442	<0.2	<10	100	0.27	5.64	0.05	0.61	16.30	4.0	12
ZZ66601		0.18	0.005	0.30	0.69	400	<0.2	<10	70	0.29	2.99	0.07	0.68	12.35	3.0	6
ZZ66602		0.28	0.007	0.87	1.01	990	<0.2	<10	140	0.35	10.45	0.04	1.01	23.3	5.5	15
ZZ66603		0.26	0.004	0.80	0.58	830	<0.2	<10	110	0.27	8.20	0.03	0.93	15.35	4.8	7
ZZ66604		0.27	0.001	0.27	0.45	145.5	<0.2	<10	70	0.12	2.04	0.03	0.29	10.95	2.5	7
ZZ66605		0.30	0.003	0.39	0.45	173.5	<0.2	<10	120	0.18	2.33	0.03	0.38	53.1	4.3	10
ZZ66606		0.29	0.007	0.60	0.54	197.0	<0.2	<10	120	0.21	2.37	0.09	0.46	14.50	4.1	13
ZZ66607		0.31	0.003	1.11	0.58	384	<0.2	<10	100	0.32	5.67	0.05	0.52	22.7	6.7	11
ZZ66608		0.23	<0.001	0.19	0.34	36.1	<0.2	<10	100	0.08	0.48	0.05	0.91	5.25	3.5	4
ZZ66609		0.24	0.001	0.39	1.52	179.5	<0.2	<10	190	0.86	1.20	0.09	0.29	24.6	7.7	16
ZZ66610		0.35	0.001	0.20	1.19	79.3	<0.2	<10	180	0.39	0.88	0.06	0.63	20.0	6.0	19
ZZ66611		0.30	<0.001	0.09	0.40	30.0	<0.2	<10	40	0.08	0.30	0.03	0.08	5.14	1.6	5
ZZ66612		0.27	0.021	0.76	1.82	1080	<0.2	<10	140	0.96	2.37	0.16	2.10	38.0	12.9	21
ZZ66613		0.36	0.020	0.21	1.55	308	<0.2	<10	140	0.84	1.13	0.15	0.48	32.2	19.3	20
ZZ66614		0.23	0.006	0.32	1.36	158.5	<0.2	<10	90	0.47	1.19	0.16	0.72	21.0	7.9	12

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66575		5.17	133.0	10.40	6.61	0.10	0.02	0.05	0.099	0.06	14.0	14.2	0.43	204	13.35	0.01
ZZ66576		4.08	132.0	5.97	5.85	0.09	0.05	0.02	0.137	0.04	9.5	21.7	0.86	694	18.50	0.01
ZZ66577		5.97	296	12.25	8.57	0.15	0.15	0.05	0.159	0.14	16.9	37.3	0.97	449	79.4	0.03
ZZ66578		7.38	143.0	7.63	4.25	0.10	0.05	0.06	0.074	0.14	20.6	22.4	0.90	547	81.0	0.02
ZZ66579		5.04	107.0	11.50	3.75	0.13	0.10	0.04	0.096	0.14	18.4	8.1	0.11	70	107.0	0.03
ZZ66580		7.38	151.5	8.83	6.36	0.10	0.14	0.06	0.066	0.15	17.9	28.2	0.45	174	83.7	0.05
ZZ66581		5.85	110.5	10.35	6.70	0.14	0.15	0.04	0.108	0.26	29.1	19.4	0.38	182	80.9	0.10
ZZ66582		3.54	320	14.70	3.99	0.20	0.05	0.58	0.101	0.19	39.2	16.8	0.38	427	73.2	0.02
ZZ66583		4.32	76.2	3.60	6.15	<0.05	<0.02	0.08	0.037	0.08	9.9	17.0	0.23	419	3.50	0.01
ZZ66584		5.00	199.0	5.21	5.20	0.05	0.03	0.04	0.060	0.11	14.4	28.1	0.53	313	4.67	0.01
ZZ66585		11.45	431	7.96	8.34	0.11	0.07	0.05	0.074	0.16	12.1	20.0	0.53	840	6.88	0.02
ZZ66586		5.85	153.5	4.77	6.20	<0.05	0.03	0.09	0.095	0.09	11.0	15.8	0.32	634	3.16	0.02
ZZ66587		1.94	41.7	1.53	3.18	<0.05	0.02	0.03	0.039	0.05	4.2	5.5	0.13	214	1.23	0.02
ZZ66588		12.05	360	9.88	11.30	0.10	0.02	0.05	0.079	0.43	10.2	25.9	1.09	283	4.58	0.01
ZZ66589		0.83	16.5	0.61	2.56	<0.05	<0.02	0.01	0.008	0.03	2.3	1.6	0.04	155	0.64	0.03
ZZ66590		5.83	121.5	4.03	5.74	0.05	<0.02	0.02	0.037	0.11	8.1	21.8	0.37	593	4.99	0.01
ZZ66591		6.00	153.5	4.15	6.76	<0.05	0.04	0.01	0.029	0.17	7.3	16.2	0.45	275	10.00	0.02
ZZ66592		11.20	351	6.82	9.27	0.07	0.02	0.04	0.124	0.34	12.0	18.7	0.80	507	12.05	0.02
ZZ66593		1.33	24.7	1.32	2.97	<0.05	<0.02	0.03	0.016	0.04	3.8	2.3	0.04	421	2.64	0.02
ZZ66594		2.32	48.3	2.37	3.92	<0.05	<0.02	0.01	0.027	0.05	6.7	7.5	0.18	272	2.82	0.02
ZZ66595		3.68	80.4	2.46	4.16	<0.05	<0.02	<0.01	0.033	0.05	11.5	8.9	0.22	201	11.10	0.01
ZZ66596		4.61	181.0	4.32	6.13	<0.05	<0.02	0.04	0.019	0.15	7.0	11.7	0.29	566	4.64	0.01
ZZ66597		4.63	77.7	3.37	6.21	<0.05	<0.02	0.01	0.132	0.07	13.2	17.8	0.32	524	3.32	0.01
ZZ66598		3.38	77.5	4.86	5.07	0.05	0.02	0.03	0.299	0.10	13.7	15.5	0.27	498	3.00	0.01
ZZ66599		2.65	58.4	2.98	4.80	0.06	0.04	<0.01	0.064	0.04	15.9	11.9	0.28	313	3.40	0.01
ZZ66600		1.87	31.2	2.40	7.41	<0.05	<0.02	0.03	0.025	0.06	7.7	5.3	0.17	145	2.00	0.01
ZZ66601		1.25	25.6	1.25	2.97	<0.05	<0.02	0.04	0.037	0.03	6.6	2.9	0.10	166	1.40	0.02
ZZ66602		1.96	98.8	3.28	4.80	<0.05	<0.02	0.04	0.144	0.07	13.1	6.4	0.21	253	11.95	0.01
ZZ66603		2.12	67.7	2.22	2.76	<0.05	<0.02	0.04	0.094	0.05	8.1	2.8	0.10	530	5.84	0.02
ZZ66604		1.13	25.2	1.36	3.07	<0.05	<0.02	0.03	0.042	0.04	5.9	0.9	0.04	450	4.45	0.02
ZZ66605		2.81	53.3	2.67	2.88	0.06	<0.02	0.05	0.113	0.08	30.8	1.1	0.04	137	36.9	0.01
ZZ66606		2.39	72.9	2.56	2.74	<0.05	<0.02	0.11	0.082	0.06	8.7	2.5	0.11	131	29.9	0.01
ZZ66607		3.33	101.0	3.49	3.16	0.05	<0.02	0.06	0.056	0.08	14.0	4.1	0.15	357	23.8	0.01
ZZ66608		1.93	12.9	0.77	1.92	<0.05	<0.02	0.03	0.012	0.03	2.3	0.5	0.03	1700	6.61	0.02
ZZ66609		5.21	80.0	2.80	4.52	<0.05	0.02	0.08	0.034	0.07	11.5	14.2	0.33	486	10.05	0.01
ZZ66610		2.17	32.4	2.77	5.62	<0.05	<0.02	0.06	0.030	0.06	10.1	8.4	0.21	395	3.55	0.01
ZZ66611		0.65	9.7	1.06	2.57	<0.05	<0.02	0.05	0.009	0.03	2.7	1.1	0.04	50	1.19	0.03
ZZ66612		4.41	144.0	4.13	5.93	0.06	0.03	0.06	0.115	0.07	19.7	13.4	0.39	378	8.60	0.01
ZZ66613		6.79	125.0	3.92	5.00	0.05	<0.02	0.06	0.044	0.09	16.2	15.8	0.39	422	9.46	0.02
ZZ66614		3.94	47.6	2.20	4.58	<0.05	<0.02	0.06	0.062	0.06	9.3	9.0	0.27	314	6.77	0.02

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66575		0.71	37.4	1890	211	8.2	0.003	0.22	21.9	2.4	14.1	4.3	51.2	0.01	0.58	1.4
ZZ66576		0.73	141.0	870	33.8	5.8	0.003	0.09	4.44	2.1	10.2	0.9	46.2	0.01	0.57	1.9
ZZ66577		1.55	128.0	2690	45.8	15.2	0.005	0.41	14.50	5.6	23.1	1.3	167.0	0.02	1.03	7.8
ZZ66578		0.52	137.5	1830	58.9	15.7	0.003	0.23	31.2	3.6	14.2	1.8	92.7	<0.01	0.46	2.5
ZZ66579		0.35	38.8	3060	44.2	11.9	0.003	0.35	25.3	4.2	26.8	0.7	75.2	<0.01	1.11	10.4
ZZ66580		1.15	67.7	2100	33.5	14.7	0.006	0.40	23.8	4.5	14.6	0.8	123.5	0.01	0.50	6.7
ZZ66581		1.47	46.3	2180	36.6	21.2	0.005	0.82	18.80	4.6	17.7	0.9	168.0	0.01	0.50	7.4
ZZ66582		0.36	121.5	1240	50.7	11.2	0.005	0.43	10.90	6.3	16.3	2.1	77.2	<0.01	0.54	4.0
ZZ66583		0.78	26.9	890	25.0	20.3	0.001	0.10	5.09	1.1	1.9	1.6	25.9	<0.01	0.35	0.2
ZZ66584		0.83	45.2	490	248	14.9	0.001	0.06	74.1	3.3	2.7	7.3	16.1	<0.01	0.41	2.2
ZZ66585		1.35	37.2	950	87.2	17.0	0.001	0.25	28.8	4.1	7.8	12.1	109.0	0.01	0.66	2.2
ZZ66586		0.88	22.2	890	179.5	14.0	<0.001	0.08	79.7	1.9	2.4	9.7	37.5	0.01	0.78	0.8
ZZ66587		0.56	9.4	580	55.0	6.7	<0.001	0.04	28.3	0.7	0.4	2.1	12.7	0.01	0.11	0.3
ZZ66588		2.57	18.0	990	32.1	47.7	0.001	0.25	12.75	5.8	8.4	4.1	39.1	<0.01	0.27	2.5
ZZ66589		0.50	6.2	290	3.0	3.7	<0.001	0.03	0.66	0.2	0.4	0.3	10.3	0.01	0.03	<0.2
ZZ66590		1.45	37.7	790	23.8	21.1	0.001	0.07	9.28	2.0	2.3	1.6	27.1	<0.01	0.14	1.0
ZZ66591		2.01	31.7	540	18.0	22.3	<0.001	0.09	8.44	3.3	3.9	1.8	16.7	0.02	0.13	2.2
ZZ66592		1.83	15.1	760	210	30.7	0.001	0.25	135.0	4.4	5.2	34.4	56.0	0.01	0.29	1.7
ZZ66593		0.30	8.5	460	10.6	9.9	0.001	0.04	2.57	0.2	0.2	0.9	8.6	<0.01	0.05	<0.2
ZZ66594		0.43	17.0	550	15.3	12.4	0.002	0.05	3.82	0.4	0.4	1.0	12.5	<0.01	0.06	<0.2
ZZ66595		0.55	37.5	400	25.1	10.5	0.002	0.05	9.93	0.8	1.3	2.0	16.4	<0.01	0.08	<0.2
ZZ66596		1.13	43.1	1000	11.1	20.6	0.001	0.14	3.77	1.6	2.8	1.3	115.5	0.01	0.18	0.3
ZZ66597		0.70	17.3	610	53.0	14.5	0.001	0.04	7.17	1.5	1.1	8.7	27.6	0.01	0.15	0.8
ZZ66598		0.61	16.2	570	37.3	18.2	<0.001	0.05	6.97	2.6	1.6	3.2	17.8	<0.01	0.12	4.1
ZZ66599		0.64	13.3	670	24.4	7.6	0.001	0.04	10.45	2.2	1.2	1.3	18.6	0.01	0.27	1.9
ZZ66600		0.86	12.0	370	19.9	12.6	<0.001	0.01	3.13	1.2	0.6	2.8	10.1	<0.01	0.09	0.4
ZZ66601		0.21	5.8	580	12.1	5.0	<0.001	0.04	2.60	0.2	0.3	1.2	12.1	<0.01	0.04	<0.2
ZZ66602		0.16	29.4	710	103.5	12.0	0.001	0.06	48.8	0.3	2.0	5.3	12.8	<0.01	0.13	<0.2
ZZ66603		0.11	16.6	770	57.8	9.8	<0.001	0.04	21.0	0.2	1.3	4.3	8.5	<0.01	0.12	<0.2
ZZ66604		0.12	9.1	440	23.6	6.2	<0.001	0.03	10.25	0.2	0.5	2.3	6.8	<0.01	0.04	<0.2
ZZ66605		0.11	67.3	1220	97.0	10.3	0.001	0.10	44.5	0.2	2.0	2.3	13.4	<0.01	0.06	0.2
ZZ66606		0.11	58.7	1360	12.0	7.6	0.003	0.08	1.97	0.2	4.0	0.9	16.6	<0.01	0.10	0.2
ZZ66607		0.30	58.6	820	177.5	13.3	0.004	0.08	121.0	0.7	4.1	7.7	19.3	<0.01	0.08	0.3
ZZ66608		0.13	7.2	880	13.6	8.1	0.001	0.05	3.41	0.1	<0.2	1.0	8.4	<0.01	0.03	<0.2
ZZ66609		0.55	52.6	850	18.1	13.0	0.003	0.03	2.71	1.3	1.5	1.4	15.5	<0.01	0.07	0.8
ZZ66610		0.29	17.1	610	21.9	12.1	<0.001	0.02	5.57	0.5	1.0	1.2	10.8	<0.01	0.10	<0.2
ZZ66611		0.27	3.9	300	6.8	4.5	<0.001	0.01	1.48	0.3	0.2	0.5	4.8	<0.01	0.02	<0.2
ZZ66612		0.65	34.5	920	486	10.1	0.001	0.05	125.0	2.0	2.1	23.7	41.1	0.02	0.14	1.2
ZZ66613		0.60	41.2	800	33.7	11.5	<0.001	0.03	11.60	1.8	2.1	1.6	72.7	<0.01	0.12	1.0
ZZ66614		0.44	19.3	680	106.5	9.7	0.001	0.04	27.8	0.9	0.7	2.3	34.9	0.01	0.05	0.3

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 13- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ66575		0.041	0.25	4.62	71	0.33	10.20	208	0.8	
ZZ66576		0.036	0.22	7.51	46	0.27	13.85	581	1.8	
ZZ66577		0.074	1.00	28.1	171	0.38	25.6	360	8.3	
ZZ66578		0.025	1.08	14.40	204	0.44	22.3	352	3.5	
ZZ66579		0.014	0.95	19.80	161	0.65	10.50	166	9.6	
ZZ66580		0.051	1.45	25.2	132	0.31	13.35	165	9.2	
ZZ66581		0.075	1.41	17.10	128	0.32	14.55	193	9.9	
ZZ66582		0.012	1.33	10.90	105	0.62	27.2	271	2.7	
ZZ66583		0.024	0.23	1.26	58	3.98	3.89	150	<0.5	
ZZ66584		0.024	0.24	1.55	61	0.62	6.41	159	1.0	
ZZ66585		0.063	0.33	3.69	61	0.25	12.55	53	2.6	
ZZ66586		0.035	0.23	1.40	52	0.30	5.54	151	0.8	
ZZ66587		0.033	0.08	0.67	23	0.27	2.01	91	0.6	
ZZ66588		0.114	0.53	1.76	102	0.24	5.78	86	1.3	
ZZ66589		0.023	0.04	0.36	11	0.07	0.95	30	<0.5	
ZZ66590		0.054	0.22	1.05	51	0.41	3.86	109	0.5	
ZZ66591		0.075	0.28	1.28	58	0.29	3.67	103	1.7	
ZZ66592		0.075	0.48	3.06	65	0.26	6.59	174	0.9	
ZZ66593		0.015	0.10	0.62	28	0.15	1.39	37	<0.5	
ZZ66594		0.022	0.11	0.86	37	0.42	2.86	69	<0.5	
ZZ66595		0.026	0.11	2.53	53	0.29	7.08	107	<0.5	
ZZ66596		0.042	0.20	1.39	50	0.20	4.83	82	<0.5	
ZZ66597		0.014	0.15	1.40	43	0.94	3.91	206	0.5	
ZZ66598		0.011	0.16	1.89	38	0.33	5.01	240	0.8	
ZZ66599		0.023	0.10	2.99	29	5.53	6.28	97	1.5	
ZZ66600		0.039	0.11	0.74	54	0.41	2.12	69	<0.5	
ZZ66601		0.013	0.07	1.04	20	0.16	1.86	49	<0.5	
ZZ66602		0.011	0.21	2.86	60	1.18	3.78	185	<0.5	
ZZ66603		0.007	0.13	1.77	31	0.81	2.92	143	<0.5	
ZZ66604		0.016	0.08	0.87	41	0.60	1.40	49	<0.5	
ZZ66605		0.006	0.23	4.20	99	0.30	4.26	182	<0.5	
ZZ66606		0.006	0.18	4.48	150	0.18	3.32	75	<0.5	
ZZ66607		0.016	0.23	4.83	97	0.20	5.80	138	<0.5	
ZZ66608		0.010	0.12	0.74	25	0.10	0.77	38	<0.5	
ZZ66609		0.011	0.20	4.48	126	0.17	5.55	74	0.5	
ZZ66610		0.021	0.21	0.87	56	0.26	3.21	96	<0.5	
ZZ66611		0.022	0.07	0.31	28	0.14	0.63	24	<0.5	
ZZ66612		0.036	0.16	3.70	51	3.04	7.63	253	1.0	
ZZ66613		0.041	0.19	3.10	47	0.68	7.13	153	<0.5	
ZZ66614		0.038	0.12	1.98	39	0.30	3.35	187	<0.5	

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Finalized Date: 13- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
ZZ66615		0.23	<0.001	0.19	0.20	22.4	<0.2	<10	20	0.05	0.37	0.04	0.10	2.18	0.9	3

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CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66615		0.52	16.5	0.50	1.03	<0.05	<0.02	0.03	0.008	0.03	1.2	0.3	0.02	30	2.53	0.03

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66615		0.05	7.1	500	10.8	2.0	<0.001	0.02	4.12	0.1	0.4	0.6	7.1	<0.01	0.03	<0.2

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CERTIFICATE OF ANALYSIS WH12173427

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	As-OG46
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr	As
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
ZZ66615		0.008	0.02	0.45	18	0.06	0.48	18	<0.5	

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Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

CERTIFICATE WH12173426

Project: Liam

P.O. No.:

This report is for 156 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.

The following have access to data associated with this certificate:

SARAH EATON	JOAN MARIACHER	

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- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66617		0.25	0.036	0.38	0.56	155.5	<0.2	<10	60	0.14	1.39	0.04	0.13	10.95	2.4	8
ZZ66618		0.39	0.035	0.76	0.77	260	<0.2	<10	90	0.27	2.32	0.04	0.17	13.85	3.3	9
ZZ66619		0.45	0.009	0.62	0.55	480	<0.2	<10	110	0.22	5.89	0.03	0.24	25.6	5.2	14
ZZ66620		0.40	0.003	0.58	0.31	317	<0.2	<10	110	0.14	4.08	0.06	0.18	13.30	4.3	8
ZZ66621		0.44	0.045	1.44	1.87	1110	<0.2	<10	200	0.94	9.75	0.03	1.40	46.0	31.3	29
ZZ66622		0.41	0.017	1.54	0.35	1315	<0.2	<10	90	0.15	3.68	0.02	0.56	11.65	7.8	7
ZZ66623		0.47	0.108	4.11	0.20	726	<0.2	<10	80	0.19	0.89	0.02	1.93	7.45	2.6	4
ZZ66624		0.38	0.008	0.98	0.89	857	<0.2	<10	80	0.52	5.03	0.05	0.86	22.6	9.5	9
ZZ66625		0.42	0.062	1.27	1.89	3620	<0.2	<10	130	1.19	38.0	0.23	2.76	79.5	22.9	13
ZZ66626		0.44	0.077	2.34	0.51	2830	<0.2	<10	140	0.41	46.1	0.25	4.38	30.1	15.9	13
ZZ66627		0.38	0.013	1.23	1.13	795	<0.2	<10	100	0.43	9.76	0.07	0.42	20.4	8.9	15
ZZ66628		0.39	0.041	5.27	2.27	2990	<0.2	<10	140	0.93	37.9	0.06	0.38	23.2	8.7	27
ZZ66629		0.40	0.034	0.63	2.01	1070	<0.2	<10	180	1.54	14.20	0.13	2.00	32.8	11.6	23
ZZ66630		0.30	0.107	0.74	1.93	78.4	<0.2	<10	200	1.01	3.43	0.09	0.49	26.9	5.2	18
ZZ66631		0.41	0.574	0.78	2.23	88.3	<0.2	<10	210	1.06	9.48	0.20	0.71	30.5	10.3	23
ZZ66632		0.33	0.013	0.65	1.39	60.7	<0.2	<10	120	0.79	2.16	0.07	0.89	24.2	5.6	23
ZZ66633		0.35	0.008	0.62	1.84	59.9	<0.2	<10	170	1.02	2.25	0.08	1.19	31.1	8.7	28
ZZ66634		0.26	0.006	0.55	2.04	99.9	<0.2	<10	150	1.24	1.92	0.11	1.19	23.3	12.5	23
ZZ66635		0.32	0.011	1.26	2.00	104.5	<0.2	<10	190	1.60	2.73	0.19	1.22	30.9	8.4	25
ZZ66636		0.40	0.012	0.75	1.80	70.7	<0.2	<10	180	1.71	2.97	0.34	5.02	37.4	19.5	19
ZZ66637		0.30	0.016	0.75	1.33	122.0	<0.2	<10	300	1.36	1.61	0.14	4.38	30.2	9.3	22
ZZ66638		0.49	0.019	0.65	1.76	184.0	<0.2	<10	590	1.93	2.30	0.10	2.24	47.6	14.3	23
ZZ66639		0.44	0.035	1.02	2.58	390	<0.2	<10	300	2.58	3.48	0.37	3.27	41.2	18.8	26
ZZ66640		0.49	0.025	0.93	2.24	146.5	<0.2	<10	390	2.37	1.22	0.15	2.05	45.4	14.5	24
ZZ66641		0.50	0.028	0.55	1.80	179.0	<0.2	<10	930	1.51	1.17	0.04	0.68	36.5	12.5	23
ZZ66642		0.39	0.032	2.19	2.61	185.5	<0.2	<10	590	2.35	0.95	0.29	3.43	63.7	15.4	47
ZZ66643		0.37	0.023	1.41	3.28	137.0	<0.2	<10	570	2.40	0.73	0.05	2.62	47.2	14.3	26
ZZ66644		0.35	0.022	0.53	0.91	90.5	<0.2	<10	190	0.55	1.01	0.01	0.14	34.3	1.7	32
ZZ66645		0.35	0.009	0.62	2.62	67.0	<0.2	<10	190	2.53	3.03	0.34	7.48	37.8	22.1	24
ZZ66646		0.23	0.005	0.58	1.34	465	<0.2	<10	190	0.63	2.94	0.09	1.14	24.1	7.6	19
ZZ66647		0.31	<0.001	0.39	0.40	51.7	<0.2	<10	30	0.07	0.42	0.03	0.14	3.20	1.0	4
ZZ66648		0.21	0.011	0.78	0.66	770	<0.2	<10	100	0.25	3.72	0.06	0.77	13.20	2.8	9
ZZ66649		0.30	0.030	0.76	1.92	838	<0.2	<10	170	0.97	3.37	0.13	1.08	40.2	12.0	20
ZZ66650		0.26	0.004	0.35	0.64	155.0	<0.2	<10	50	0.30	0.81	0.09	0.41	9.38	1.9	4
ZZ66651		0.38	0.043	1.13	1.56	797	<0.2	<10	120	1.01	5.38	0.11	1.41	43.1	12.4	15
ZZ66652		0.26	0.003	0.67	0.51	111.5	<0.2	<10	40	0.20	0.59	0.06	0.55	8.49	1.9	3
ZZ66653		0.34	0.001	0.79	0.54	53.1	<0.2	<10	110	0.18	1.51	0.04	0.43	9.15	4.7	11
ZZ66654		0.38	0.003	0.68	0.52	39.2	<0.2	<10	80	0.19	1.62	0.02	0.18	14.10	4.0	14
ZZ66655		0.31	0.121	2.07	0.88	358	<0.2	<10	110	0.43	2.62	0.06	0.63	25.1	8.8	15
ZZ66656		0.38	0.029	2.78	0.88	1200	<0.2	<10	190	0.39	7.64	0.08	1.03	24.5	10.7	18

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66617		1.13	43.8	1.82	2.84	<0.05	<0.02	0.05	0.024	0.05	5.5	1.9	0.06	99	9.10	0.02
ZZ66618		1.62	130.0	2.38	2.36	<0.05	0.02	0.07	0.029	0.07	7.3	5.1	0.16	103	10.95	0.02
ZZ66619		2.13	89.6	3.34	3.68	0.05	<0.02	0.04	0.041	0.07	12.3	3.0	0.09	158	20.1	0.01
ZZ66620		1.83	64.3	2.51	2.22	0.05	<0.02	0.11	0.029	0.07	6.9	0.7	0.03	71	29.4	0.01
ZZ66621		10.65	635	9.94	7.89	0.21	0.06	0.06	0.262	0.29	18.7	22.3	1.20	664	29.0	0.01
ZZ66622		2.27	134.0	2.40	1.61	0.05	<0.02	0.08	0.051	0.06	5.8	1.8	0.06	292	23.0	0.01
ZZ66623		1.12	101.5	2.22	0.72	<0.05	<0.02	0.05	0.647	0.07	4.7	2.1	0.04	229	34.9	<0.01
ZZ66624		4.74	110.5	2.90	3.68	0.05	0.04	0.04	0.052	0.04	9.1	8.3	0.20	371	12.85	0.01
ZZ66625		5.75	201	4.66	5.27	0.09	0.04	0.05	0.096	0.07	41.9	11.5	0.48	470	11.85	0.01
ZZ66626		3.26	349	3.06	1.97	0.09	0.03	0.03	0.081	0.06	17.8	7.0	0.33	525	18.00	0.01
ZZ66627		3.24	128.0	3.83	4.38	0.07	<0.02	0.04	0.050	0.07	10.0	9.3	0.38	278	26.8	0.02
ZZ66628		5.78	264	9.14	8.41	0.14	0.07	0.05	0.056	0.14	11.7	25.0	1.24	201	37.1	0.01
ZZ66629		5.16	114.0	5.41	5.61	0.10	0.02	0.08	0.042	0.06	17.6	19.2	0.42	344	39.1	0.02
ZZ66630		5.56	138.0	5.02	5.53	0.09	0.04	0.05	0.046	0.10	14.6	18.7	0.74	124	34.2	0.03
ZZ66631		5.53	174.5	8.35	7.34	0.15	0.12	0.03	0.044	0.09	16.6	25.4	0.79	202	63.2	0.02
ZZ66632		3.92	64.1	4.68	5.22	0.07	0.02	0.07	0.090	0.06	12.3	16.6	0.40	173	43.3	0.01
ZZ66633		3.77	80.6	5.66	6.02	0.08	0.02	0.05	0.055	0.10	16.9	19.3	0.50	259	27.1	0.02
ZZ66634		2.94	85.3	5.42	5.24	0.08	0.04	0.07	0.064	0.08	10.5	17.3	0.46	359	16.20	0.02
ZZ66635		4.99	133.5	9.72	6.76	0.13	0.06	0.02	0.197	0.16	15.7	18.7	0.43	318	30.0	0.04
ZZ66636		4.50	122.5	4.58	5.36	0.12	0.06	0.03	0.064	0.11	18.3	20.2	0.44	444	28.1	0.01
ZZ66637		4.40	74.4	4.49	4.91	0.09	<0.02	0.04	0.069	0.08	14.8	16.0	0.28	265	45.2	0.01
ZZ66638		5.54	139.0	7.25	5.10	0.12	0.05	0.05	0.087	0.16	25.9	19.7	0.30	239	76.8	0.03
ZZ66639		6.86	187.5	6.97	6.13	0.15	0.14	0.04	0.143	0.15	20.6	32.5	0.64	292	69.4	0.03
ZZ66640		7.01	159.5	7.72	5.69	0.13	0.14	0.02	0.130	0.18	24.4	25.8	0.35	221	69.1	0.05
ZZ66641		7.48	153.0	8.91	4.95	0.11	0.39	0.02	0.098	0.18	19.6	24.2	0.38	145	93.2	0.03
ZZ66642		8.14	193.0	8.66	7.10	0.22	0.14	0.06	0.179	0.28	35.8	26.5	0.37	282	107.5	0.04
ZZ66643		6.86	236	7.48	6.73	0.14	0.62	0.06	0.117	0.24	25.5	34.7	0.39	269	83.1	0.04
ZZ66644		1.92	88.9	6.50	5.61	0.09	0.08	0.10	0.083	0.08	17.0	5.9	0.10	60	113.5	0.01
ZZ66645		4.87	130.0	5.27	6.60	0.10	0.03	0.03	0.068	0.09	18.2	24.7	0.51	578	30.1	0.01
ZZ66646		2.09	128.5	2.66	4.37	0.05	<0.02	0.03	0.053	0.07	11.2	12.8	0.30	245	5.68	0.01
ZZ66647		0.47	12.7	0.60	1.83	<0.05	<0.02	0.03	0.010	0.02	1.7	1.0	0.04	33	0.93	0.02
ZZ66648		1.48	54.9	1.90	2.75	<0.05	<0.02	0.03	0.046	0.05	6.8	4.5	0.13	160	4.08	0.02
ZZ66649		3.47	92.7	3.24	5.87	0.05	0.02	0.02	0.072	0.08	17.2	14.5	0.41	861	8.63	0.01
ZZ66650		1.20	19.3	0.85	2.74	<0.05	<0.02	0.01	0.015	0.03	4.9	2.4	0.07	156	1.88	0.02
ZZ66651		6.24	103.0	3.36	5.03	0.06	<0.02	0.04	0.092	0.07	18.5	12.1	0.34	1020	18.05	0.01
ZZ66652		1.28	12.3	0.81	2.58	<0.05	<0.02	0.02	0.013	0.03	4.3	1.4	0.05	113	1.88	0.02
ZZ66653		4.04	77.5	2.39	3.15	0.06	<0.02	0.05	0.060	0.09	5.3	5.1	0.40	494	25.0	0.01
ZZ66654		3.38	73.9	2.45	3.09	<0.05	<0.02	0.05	0.035	0.06	8.0	3.7	0.15	153	22.5	<0.01
ZZ66655		4.76	258	3.99	3.29	0.07	<0.02	0.08	0.094	0.10	11.7	10.3	0.31	322	12.70	0.02
ZZ66656		5.52	328	3.47	3.36	0.08	0.02	0.06	0.087	0.15	14.3	11.0	0.44	395	24.8	0.02

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66617		0.23	15.4	560	36.7	6.6	0.003	0.06	12.65	0.2	1.2	2.3	7.8	<0.01	0.09	<0.2
ZZ66618		0.37	30.9	500	51.6	8.0	0.006	0.07	8.63	1.0	3.1	2.1	9.9	<0.01	0.12	0.4
ZZ66619		0.42	54.6	560	86.0	11.0	0.003	0.08	15.50	0.8	3.7	3.1	14.2	<0.01	0.28	0.2
ZZ66620		0.35	52.7	940	35.8	9.2	0.004	0.11	15.10	0.4	5.1	3.5	7.4	<0.01	0.26	<0.2
ZZ66621		0.97	74.0	1790	66.1	30.9	0.007	0.21	11.85	8.0	14.4	6.3	16.0	<0.01	0.29	7.9
ZZ66622		0.23	52.4	490	99.8	7.6	0.005	0.07	27.4	0.8	3.1	3.4	9.2	<0.01	0.17	0.4
ZZ66623		0.15	26.6	190	1070	6.9	0.004	0.16	694	1.0	2.2	60.6	8.6	<0.01	0.07	1.1
ZZ66624		0.68	48.1	410	127.5	8.9	0.003	0.03	33.9	1.9	2.5	5.5	7.4	<0.01	0.25	3.0
ZZ66625		0.72	40.1	810	130.0	10.5	0.004	0.05	38.8	3.2	2.7	5.3	16.1	0.01	1.52	5.1
ZZ66626		0.24	132.0	1350	116.0	7.9	0.004	0.02	25.1	2.8	4.5	5.7	16.0	<0.01	0.17	2.6
ZZ66627		0.41	64.5	930	62.5	9.6	0.003	0.08	7.93	1.2	7.1	2.2	14.0	<0.01	0.20	0.4
ZZ66628		1.55	44.8	1110	627	14.3	0.005	0.25	19.50	2.6	24.7	28.8	36.4	<0.01	0.59	2.5
ZZ66629		0.90	83.6	1460	25.9	10.4	0.009	0.18	5.17	1.0	13.3	0.8	45.5	0.01	0.41	0.5
ZZ66630		0.78	61.1	1410	21.2	12.5	0.004	0.22	4.20	1.7	14.0	0.5	69.2	<0.01	0.56	1.2
ZZ66631		1.56	130.5	1630	30.1	9.4	0.007	0.28	5.57	3.3	25.5	0.9	80.1	0.01	2.15	4.6
ZZ66632		0.89	54.8	940	60.9	10.6	0.006	0.13	4.42	0.9	8.4	0.9	32.8	<0.01	0.40	0.3
ZZ66633		0.86	55.4	1250	30.9	14.3	0.004	0.18	5.39	1.6	7.3	0.9	56.7	<0.01	0.29	0.8
ZZ66634		0.82	60.1	1330	48.7	11.1	0.004	0.18	5.35	1.7	9.4	1.0	53.9	0.01	0.19	1.3
ZZ66635		1.11	43.4	2150	207	18.3	0.003	0.46	22.7	2.8	20.0	2.6	142.5	0.02	0.33	5.0
ZZ66636		1.14	113.5	1990	29.9	13.3	0.005	0.09	10.60	2.6	17.8	0.6	78.3	0.01	0.30	2.7
ZZ66637		0.49	107.5	1320	27.2	11.9	0.007	0.16	11.05	0.7	10.8	0.8	56.9	<0.01	0.31	0.2
ZZ66638		0.79	143.0	1740	35.1	16.5	0.009	0.32	20.7	3.7	17.4	0.8	74.7	0.01	0.48	3.3
ZZ66639		1.40	179.5	2520	34.2	13.9	0.007	0.27	24.0	4.6	27.2	1.2	138.5	0.02	0.75	7.0
ZZ66640		1.21	159.0	2540	46.2	17.3	0.011	0.45	31.8	4.5	22.1	0.8	183.5	0.01	0.49	8.3
ZZ66641		0.74	105.5	1640	32.9	18.1	0.006	0.34	25.0	5.5	15.2	1.2	71.6	<0.01	0.56	11.1
ZZ66642		2.13	137.5	4920	84.1	25.3	0.021	0.52	56.1	7.3	43.8	1.6	266	0.01	0.61	12.4
ZZ66643		2.02	258	1790	76.4	21.4	0.011	0.57	31.4	6.8	19.7	1.1	92.2	0.01	0.49	9.7
ZZ66644		0.32	17.6	980	54.4	9.7	0.004	0.10	18.40	5.0	17.8	1.1	15.0	<0.01	0.49	6.1
ZZ66645		1.01	141.0	1710	32.1	14.1	0.007	0.11	7.75	1.8	12.4	0.7	60.4	0.01	0.29	1.1
ZZ66646		0.71	37.6	830	30.3	12.0	0.003	0.05	9.28	1.1	2.0	1.6	16.4	<0.01	0.12	0.4
ZZ66647		0.20	2.8	460	5.0	2.3	0.002	0.03	1.17	0.1	0.5	0.4	6.4	<0.01	0.03	<0.2
ZZ66648		0.33	13.4	680	67.0	6.1	0.002	0.07	27.9	0.2	1.0	1.8	14.3	<0.01	0.11	<0.2
ZZ66649		0.76	34.0	720	100.5	14.3	0.003	0.06	54.3	1.7	1.9	6.3	17.8	0.01	0.09	1.1
ZZ66650		0.34	4.8	570	19.9	4.3	0.002	0.04	13.05	0.2	0.6	1.7	10.0	<0.01	0.04	<0.2
ZZ66651		0.55	43.6	710	142.0	12.1	0.002	0.06	83.8	2.1	2.3	9.4	17.3	<0.01	0.09	0.8
ZZ66652		0.35	4.2	440	22.9	3.5	0.002	0.04	15.15	0.1	0.5	1.4	9.8	<0.01	0.04	<0.2
ZZ66653		0.23	92.7	500	38.4	11.9	0.005	0.04	32.5	0.6	1.9	4.0	5.5	<0.01	0.06	<0.2
ZZ66654		0.19	74.2	640	15.6	12.2	0.005	0.03	6.03	0.4	1.8	1.4	5.5	<0.01	0.08	<0.2
ZZ66655		0.38	37.6	820	165.0	12.9	0.003	0.07	45.0	1.2	4.1	8.1	8.2	<0.01	0.14	0.4
ZZ66656		0.16	86.8	940	136.5	17.9	0.005	0.13	31.6	0.9	4.1	7.9	15.4	<0.01	0.29	0.2

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ66617		0.018	0.14	0.97	42	0.32	1.55	49	<0.5
ZZ66618		0.020	0.21	2.49	44	0.24	2.67	72	0.7
ZZ66619		0.023	0.30	1.86	71	0.93	3.23	92	<0.5
ZZ66620		0.015	0.23	2.12	64	0.43	1.87	77	<0.5
ZZ66621		0.048	0.84	11.75	98	1.94	10.60	421	3.2
ZZ66622		0.011	0.18	2.71	34	0.43	2.91	112	<0.5
ZZ66623		<0.005	0.16	3.14	30	0.31	3.50	290	0.6
ZZ66624		0.020	0.12	3.24	41	0.36	4.08	131	1.0
ZZ66625		0.023	0.16	8.70	37	1.18	12.05	420	1.2
ZZ66626		0.010	0.18	11.15	256	0.18	16.35	257	2.3
ZZ66627		0.032	0.30	7.24	89	0.36	5.50	119	<0.5
ZZ66628		0.073	0.46	7.97	129	0.73	7.87	148	3.7
ZZ66629		0.035	0.30	9.07	172	1.15	8.05	255	1.0
ZZ66630		0.045	0.56	11.00	118	0.23	12.35	164	1.8
ZZ66631		0.068	0.38	14.80	210	0.41	12.90	197	5.4
ZZ66632		0.034	0.33	6.18	162	0.40	8.07	275	0.9
ZZ66633		0.042	0.41	5.36	133	0.30	6.73	240	0.9
ZZ66634		0.038	0.26	4.76	91	0.32	6.31	242	1.5
ZZ66635		0.053	0.48	7.67	138	0.32	9.49	281	2.7
ZZ66636		0.049	0.47	14.70	195	0.27	15.80	836	2.7
ZZ66637		0.022	0.65	12.10	312	0.26	11.00	609	0.7
ZZ66638		0.036	1.26	18.95	212	0.31	26.1	664	2.3
ZZ66639		0.065	0.85	28.7	343	0.31	25.1	963	8.1
ZZ66640		0.052	1.42	23.1	204	0.30	24.6	750	10.1
ZZ66641		0.047	1.67	21.0	154	0.31	17.85	303	26.6
ZZ66642		0.150	3.00	32.4	447	0.59	32.3	693	12.6
ZZ66643		0.143	4.22	16.00	157	0.63	28.9	489	38.1
ZZ66644		0.012	1.60	5.34	194	0.14	11.90	187	4.8
ZZ66645		0.041	0.44	13.70	174	0.33	17.70	1040	1.2
ZZ66646		0.025	0.23	2.68	47	0.50	6.21	152	<0.5
ZZ66647		0.013	0.04	0.42	14	0.17	0.60	14	<0.5
ZZ66648		0.017	0.10	1.45	25	0.69	2.09	67	<0.5
ZZ66649		0.034	0.19	2.79	53	0.45	6.19	210	0.6
ZZ66650		0.018	0.05	0.75	16	0.11	1.78	35	<0.5
ZZ66651		0.031	0.19	5.03	79	0.38	8.87	214	0.5
ZZ66652		0.021	0.04	0.80	17	0.11	1.55	29	<0.5
ZZ66653		0.018	0.15	3.60	128	0.37	3.23	97	<0.5
ZZ66654		0.012	0.21	2.88	195	0.26	3.38	53	<0.5
ZZ66655		0.024	0.20	2.43	56	0.20	4.52	132	<0.5
ZZ66656		0.016	0.44	8.00	158	1.20	6.52	150	<0.5

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66657		0.31	0.005	0.93	0.49	218	<0.2	<10	60	0.13	0.97	0.04	0.29	7.53	3.9	5
ZZ66658		0.30	0.006	0.21	0.53	40.6	<0.2	<10	80	0.15	0.88	0.03	0.14	10.60	3.2	7
ZZ66659		0.43	0.119	1.47	0.44	1045	<0.2	<10	80	0.16	2.90	0.02	0.61	22.4	3.8	11
ZZ66660		0.36	0.069	2.17	0.48	986	<0.2	<10	80	0.27	4.42	0.08	0.81	15.40	9.6	10
ZZ66661		0.37	0.013	1.46	0.49	1160	<0.2	<10	80	0.20	6.75	0.03	0.41	12.50	5.5	12
ZZ66662		0.40	0.022	0.69	2.04	499	<0.2	<10	90	0.81	4.84	0.11	1.72	27.3	14.2	29
ZZ66663		0.34	0.008	0.77	2.53	162.0	<0.2	<10	100	0.79	1.88	0.11	0.33	25.2	8.5	27
ZZ66664		0.41	0.014	1.35	0.71	445	<0.2	<10	160	0.25	6.12	0.05	0.68	13.60	2.6	23
ZZ66665		0.43	0.023	0.91	1.60	1095	<0.2	<10	140	0.83	8.42	0.08	1.40	33.9	8.3	29
ZZ66666		0.36	0.004	0.50	1.31	36.4	<0.2	<10	150	0.58	1.14	0.08	0.73	21.9	6.6	23
ZZ66667		0.36	0.006	0.32	1.30	29.1	<0.2	<10	150	0.68	2.58	0.07	1.29	20.0	5.5	21
ZZ66668		0.28	0.006	0.51	1.74	41.3	<0.2	<10	120	1.04	2.10	0.10	1.24	19.45	9.5	22
ZZ66669		0.25	0.002	0.80	1.00	23.2	<0.2	<10	110	0.50	0.60	0.12	0.86	10.35	2.7	13
ZZ66670		0.33	0.009	1.92	1.65	52.4	<0.2	<10	190	1.09	1.13	0.11	1.51	19.85	5.0	23
ZZ66671		0.36	0.013	1.07	2.65	67.2	<0.2	<10	300	2.57	0.95	0.08	2.78	21.7	9.8	21
ZZ66672		0.38	0.018	1.19	3.44	93.6	<0.2	<10	220	2.92	1.59	0.33	5.04	28.1	13.4	25
ZZ66673		0.30	0.034	0.76	1.91	47.2	<0.2	<10	240	1.58	0.77	0.11	2.21	24.9	6.0	23
ZZ66674		0.29	0.011	0.58	2.03	62.0	<0.2	<10	210	1.24	1.90	0.08	1.76	25.6	7.0	28
ZZ66675		0.32	0.009	0.90	2.12	48.2	<0.2	<10	360	1.56	0.71	3.17	14.40	25.5	14.5	22
ZZ66676		0.25	0.012	1.03	1.17	71.3	<0.2	<10	240	0.65	1.04	0.05	3.10	24.0	3.4	21
ZZ66677		0.43	0.027	1.76	2.24	111.0	<0.2	<10	380	2.18	0.89	0.17	2.18	43.9	8.5	29
ZZ66678		0.39	0.036	2.96	2.78	128.5	<0.2	<10	490	3.27	0.67	0.11	6.51	76.5	18.2	37
ZZ66679		0.41	0.017	0.60	1.54	90.4	<0.2	<10	740	1.52	0.66	0.04	0.70	43.2	7.7	22
ZZ66680		0.48	0.017	0.98	0.79	54.3	<0.2	<10	300	0.64	0.72	0.01	0.24	42.2	2.5	19
ZZ66681		0.38	0.041	1.17	0.76	60.5	<0.2	<10	400	0.86	0.97	0.01	0.30	40.7	2.3	22
ZZ66682		0.27	0.035	1.00	2.94	45.0	<0.2	<10	160	0.76	2.72	0.15	0.18	19.10	4.0	36
ZZ66683		0.27	0.009	0.33	1.79	142.0	<0.2	<10	120	0.97	2.19	0.52	0.32	14.40	12.9	19
ZZ66684		0.29	0.003	0.08	0.81	19.0	<0.2	<10	70	0.27	0.50	0.06	0.20	7.43	2.2	8
ZZ66685		0.33	0.006	0.40	2.09	58.5	<0.2	<10	150	0.75	0.96	0.29	1.44	14.95	6.7	15
ZZ66686		0.25	<0.001	0.10	0.26	1.4	<0.2	<10	10	0.08	0.07	0.05	0.22	1.03	0.8	2
ZZ66687		0.28	0.011	0.62	1.05	245	<0.2	<10	70	0.53	3.81	0.08	1.22	10.30	6.9	13
ZZ66688		0.30	0.005	0.34	0.69	40.6	<0.2	<10	70	0.35	0.60	0.05	0.73	7.87	3.8	7
ZZ66689		0.21	<0.001	0.17	0.27	5.6	<0.2	<10	40	0.09	0.14	0.07	0.80	2.32	1.4	3
ZZ66690		0.24	<0.001	0.16	0.44	74.8	<0.2	<10	80	0.18	1.20	0.04	1.20	7.67	4.2	9
ZZ66691		0.29	<0.001	0.32	0.72	36.3	<0.2	<10	50	0.21	0.48	0.03	0.24	6.19	2.2	7
ZZ66692		0.30	0.007	0.19	0.86	239	<0.2	<10	110	0.32	5.08	0.03	0.57	22.8	5.4	17
ZZ66693		0.28	<0.001	0.21	0.78	32.6	<0.2	<10	80	0.56	1.12	0.04	2.09	18.90	7.1	13
ZZ66694		0.36	0.016	0.86	0.95	89.1	<0.2	<10	510	0.88	0.88	0.02	0.87	41.4	4.4	21
ZZ66695		0.30	0.004	0.43	0.94	110.5	<0.2	<10	150	0.71	1.16	0.04	0.93	36.6	12.9	18
ZZ66696		0.32	0.003	0.93	0.73	201	<0.2	<10	150	0.60	0.64	0.07	2.63	48.6	10.0	15

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66657		1.82	57.4	1.38	2.46	<0.05	<0.02	0.03	0.075	0.04	4.0	2.6	0.10	404	6.81	0.02
ZZ66658		1.97	34.5	1.59	3.15	<0.05	<0.02	0.05	0.015	0.03	5.5	2.3	0.14	351	5.41	0.02
ZZ66659		2.95	116.5	3.02	4.06	0.05	<0.02	0.05	0.185	0.05	12.9	2.7	0.10	105	20.9	0.01
ZZ66660		2.13	119.5	3.31	2.17	0.05	<0.02	0.04	0.264	0.07	8.6	3.0	0.10	367	41.3	0.01
ZZ66661		2.87	60.6	2.78	2.50	<0.05	<0.02	0.08	0.042	0.04	7.1	2.3	0.09	750	29.2	0.01
ZZ66662		5.41	188.0	6.47	6.98	0.09	0.02	0.05	0.096	0.09	13.4	22.0	0.85	471	31.7	0.02
ZZ66663		5.69	131.5	5.20	7.04	0.06	0.04	0.11	0.039	0.06	12.4	19.4	0.35	195	6.98	0.02
ZZ66664		3.42	45.3	2.89	5.01	0.05	0.02	0.07	0.040	0.06	7.9	3.3	0.13	132	20.8	0.02
ZZ66665		3.49	96.1	4.66	5.74	0.08	0.02	0.05	0.044	0.06	19.0	16.4	0.46	248	27.8	0.02
ZZ66666		2.36	45.4	3.32	4.84	0.06	<0.02	0.04	0.032	0.07	12.3	12.2	0.29	227	18.00	0.02
ZZ66667		2.84	44.4	3.73	4.75	0.05	<0.02	0.05	0.036	0.06	11.7	10.3	0.31	230	28.7	0.02
ZZ66668		4.53	55.9	3.82	6.02	0.06	<0.02	0.08	0.044	0.07	10.5	10.0	0.29	743	22.9	0.02
ZZ66669		1.84	28.5	2.33	3.69	0.05	<0.02	0.06	0.028	0.05	6.2	5.7	0.15	184	14.45	0.02
ZZ66670		2.58	60.2	3.92	4.51	0.06	0.02	0.06	0.129	0.07	11.6	14.7	0.30	182	18.95	0.03
ZZ66671		4.89	173.0	5.64	6.25	0.09	0.23	0.04	0.143	0.21	12.5	21.7	0.46	237	58.9	0.04
ZZ66672		5.62	172.0	4.97	7.21	0.11	0.19	0.06	0.132	0.11	15.7	26.6	0.41	359	62.8	0.04
ZZ66673		3.53	68.0	3.95	4.85	0.07	0.03	0.05	0.069	0.10	14.4	20.5	0.33	174	34.6	0.03
ZZ66674		3.48	76.0	4.59	5.62	0.08	0.03	0.08	0.208	0.08	13.8	18.9	0.36	182	31.0	0.03
ZZ66675		2.90	70.4	4.40	4.33	0.07	0.10	0.04	0.037	0.06	15.2	17.7	3.19	1660	14.10	0.05
ZZ66676		4.40	59.6	5.23	5.94	0.08	0.03	0.08	0.085	0.10	15.7	9.3	0.17	136	50.4	0.03
ZZ66677		7.54	117.5	6.95	6.76	0.27	0.13	0.04	0.179	0.19	24.3	27.0	0.39	186	70.2	0.04
ZZ66678		8.91	171.5	7.75	8.44	0.35	0.24	0.26	0.181	0.34	41.1	47.3	0.95	279	73.2	0.03
ZZ66679		6.88	102.0	5.08	5.56	0.15	0.24	0.03	0.092	0.19	22.5	22.2	0.27	144	62.4	0.02
ZZ66680		1.96	76.7	5.75	4.48	0.10	0.08	0.04	0.081	0.14	24.4	9.5	0.20	94	70.6	0.03
ZZ66681		2.42	101.0	8.18	4.98	0.11	0.17	0.08	0.104	0.12	24.8	9.2	0.18	84	79.4	0.03
ZZ66682		11.20	238	11.20	10.75	0.12	0.06	0.06	0.018	0.40	8.7	13.9	0.95	226	3.91	0.02
ZZ66683		6.36	52.6	3.51	7.04	0.05	0.02	0.07	0.033	0.12	6.9	12.3	0.32	457	3.98	0.03
ZZ66684		1.77	17.8	1.15	2.89	<0.05	<0.02	0.03	0.012	0.03	3.8	3.4	0.08	58	1.02	0.03
ZZ66685		5.77	60.2	3.20	6.37	<0.05	0.03	0.04	0.087	0.09	6.8	8.6	0.21	390	2.55	0.02
ZZ66686		0.12	2.5	0.36	1.19	<0.05	<0.02	0.02	<0.005	0.02	0.6	0.3	0.02	21	0.21	0.02
ZZ66687		4.93	37.1	2.91	4.64	<0.05	0.02	0.06	0.018	0.06	5.4	6.4	0.16	266	2.80	0.02
ZZ66688		1.62	22.9	1.33	2.77	<0.05	<0.02	0.05	0.020	0.04	4.1	3.8	0.08	124	2.19	0.02
ZZ66689		0.44	5.8	0.54	2.01	<0.05	<0.02	0.04	<0.005	0.03	1.2	0.6	0.02	53	0.62	0.03
ZZ66690		1.95	24.0	1.53	2.82	<0.05	<0.02	0.04	0.018	0.05	3.7	2.0	0.08	292	4.09	0.02
ZZ66691		0.86	12.8	1.23	2.65	<0.05	<0.02	0.05	0.011	0.03	3.1	3.5	0.08	93	1.67	0.02
ZZ66692		4.46	52.1	3.36	6.68	<0.05	0.02	0.05	0.033	0.08	11.2	5.7	0.18	254	12.85	0.01
ZZ66693		4.30	40.7	2.95	3.82	<0.05	<0.02	0.05	0.057	0.05	8.9	6.7	0.18	334	4.22	0.02
ZZ66694		2.21	98.1	5.57	4.68	0.10	0.15	0.16	0.095	0.12	23.3	11.6	0.23	107	70.2	0.01
ZZ66695		2.46	57.9	3.79	3.19	0.06	<0.02	0.08	0.050	0.07	16.9	8.6	0.23	766	8.00	<0.01
ZZ66696		1.23	57.9	3.91	2.80	0.08	0.02	0.24	0.081	0.06	22.9	5.2	0.24	282	11.90	<0.01

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66657		0.10	18.0	560	179.0	7.2	0.001	0.05	46.9	0.1	0.7	4.8	7.7	<0.01	0.07	<0.2
ZZ66658		0.08	17.6	630	15.3	5.3	0.001	0.04	3.81	0.1	1.0	1.3	6.8	<0.01	0.05	<0.2
ZZ66659		0.24	45.0	490	651	9.7	0.001	0.06	263	0.6	1.9	30.9	10.9	<0.01	0.12	0.2
ZZ66660		0.16	103.0	770	514	8.5	0.005	0.07	173.5	0.7	2.4	32.1	17.6	<0.01	0.14	0.3
ZZ66661		0.07	64.3	1200	234	8.5	0.002	0.07	110.5	0.2	2.0	20.2	7.6	<0.01	0.22	<0.2
ZZ66662		0.64	90.4	1270	76.3	12.7	0.003	0.11	16.10	3.1	14.3	3.1	17.2	0.01	0.28	1.2
ZZ66663		1.07	48.0	1270	32.5	8.3	0.001	0.11	7.82	2.1	5.1	1.4	28.7	0.01	0.11	1.4
ZZ66664		0.45	26.5	980	27.9	12.0	0.001	0.10	3.90	0.3	4.1	2.1	12.6	<0.01	0.24	<0.2
ZZ66665		0.57	87.3	1030	56.8	11.7	0.003	0.09	5.04	0.9	7.7	1.6	16.1	<0.01	0.45	0.3
ZZ66666		0.36	41.4	1000	16.1	10.4	0.003	0.08	3.39	0.8	3.9	0.6	21.8	<0.01	0.15	0.3
ZZ66667		0.41	48.4	910	14.6	10.2	0.004	0.11	3.62	0.4	4.9	0.7	27.2	<0.01	0.55	<0.2
ZZ66668		0.39	27.7	1840	21.0	13.2	0.002	0.16	4.90	0.3	6.5	0.7	26.5	<0.01	0.37	0.2
ZZ66669		0.25	20.6	1090	21.8	7.4	0.002	0.14	4.91	0.2	3.8	0.5	31.1	<0.01	0.13	<0.2
ZZ66670		0.36	37.6	1230	130.0	11.6	0.002	0.15	11.15	0.6	9.0	1.5	62.4	<0.01	0.15	0.3
ZZ66671		0.52	67.0	1380	104.5	20.6	0.003	0.28	16.75	3.3	8.8	1.4	183.5	0.01	0.36	7.3
ZZ66672		0.99	156.0	1780	64.2	16.0	0.007	0.23	22.7	2.3	15.1	1.3	98.9	0.02	0.32	1.8
ZZ66673		0.53	76.3	1350	24.6	14.5	0.005	0.17	15.55	1.0	8.5	0.6	69.5	<0.01	0.20	0.4
ZZ66674		0.89	86.2	1180	25.1	13.1	0.003	0.15	13.45	1.2	8.9	1.2	41.5	<0.01	0.21	0.3
ZZ66675		0.52	154.5	1470	14.3	9.7	0.003	0.15	10.00	1.8	6.6	0.4	173.0	<0.01	0.15	0.8
ZZ66676		0.72	37.0	1310	34.9	14.5	0.005	0.21	23.6	0.7	14.0	1.1	51.6	<0.01	0.29	0.2
ZZ66677		2.21	103.0	2540	52.2	22.0	0.008	0.41	46.4	5.2	31.5	1.0	158.0	0.01	0.43	9.3
ZZ66678		2.57	138.5	4120	81.4	32.0	0.019	0.68	63.1	9.4	32.1	1.4	253	0.04	0.48	13.0
ZZ66679		2.19	56.8	1020	43.7	23.2	0.006	0.30	18.90	5.2	10.8	0.8	74.7	0.01	0.35	9.7
ZZ66680		0.23	16.3	1120	56.3	13.4	0.002	0.23	15.80	4.4	16.1	1.0	32.4	<0.01	0.31	5.8
ZZ66681		0.10	13.4	1540	60.0	14.0	0.004	0.18	22.9	5.3	23.2	2.0	40.6	<0.01	0.44	8.6
ZZ66682		2.15	18.3	1120	20.6	35.2	<0.001	0.54	3.14	6.1	7.7	0.9	39.7	0.01	0.50	3.6
ZZ66683		1.01	32.2	700	18.0	11.6	0.001	0.10	4.39	1.4	1.8	0.9	62.4	0.01	0.19	0.5
ZZ66684		0.30	7.6	360	5.4	4.0	<0.001	0.03	0.98	0.3	0.5	0.3	14.3	<0.01	0.03	<0.2
ZZ66685		0.98	14.8	840	32.9	13.0	<0.001	0.06	1.84	1.6	1.4	0.6	103.0	0.02	0.11	0.9
ZZ66686		0.18	1.4	280	1.3	0.7	<0.001	0.02	0.08	0.1	<0.2	<0.2	8.5	<0.01	<0.01	<0.2
ZZ66687		0.97	13.8	520	17.5	9.5	<0.001	0.06	3.85	0.7	0.9	0.7	16.6	<0.01	0.10	0.3
ZZ66688		0.36	9.5	460	10.0	6.5	<0.001	0.04	2.45	0.3	<0.2	0.5	8.1	<0.01	0.04	<0.2
ZZ66689		0.26	3.9	330	4.0	3.5	<0.001	0.03	0.56	0.1	<0.2	0.2	10.8	<0.01	0.01	<0.2
ZZ66690		0.28	11.8	470	11.8	8.3	0.001	0.04	3.73	0.2	0.6	0.9	8.6	<0.01	0.03	<0.2
ZZ66691		0.52	6.9	260	6.9	4.1	<0.001	0.02	2.36	0.4	0.6	0.4	5.8	<0.01	0.02	<0.2
ZZ66692		1.45	30.9	430	24.4	16.8	0.001	0.04	10.95	1.4	1.9	2.5	16.0	<0.01	0.13	0.8
ZZ66693		0.59	22.9	570	31.7	8.4	0.001	0.05	3.82	0.7	2.4	1.1	10.8	<0.01	0.05	0.2
ZZ66694		0.32	40.1	1120	48.8	12.5	0.012	0.18	15.75	4.9	17.0	1.1	39.9	<0.01	0.32	7.3
ZZ66695		0.32	52.5	670	42.7	8.7	0.002	0.04	13.70	1.6	2.5	1.6	14.3	<0.01	0.09	0.8
ZZ66696		0.26	46.8	640	170.5	4.6	0.002	0.09	39.4	3.6	6.1	1.1	29.5	<0.01	0.08	5.4

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1016- 510 W HASTINGS ST
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Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ66657		0.012	0.09	1.79	40	0.80	1.62	83	<0.5
ZZ66658		0.011	0.13	0.93	56	0.32	1.43	39	<0.5
ZZ66659		0.017	0.22	2.82	118	4.90	3.03	230	<0.5
ZZ66660		0.011	0.14	6.21	132	2.08	4.92	417	<0.5
ZZ66661		0.007	0.20	5.56	125	4.43	3.03	219	<0.5
ZZ66662		0.044	0.54	8.88	195	0.35	9.10	592	0.6
ZZ66663		0.044	0.41	2.20	70	0.32	6.58	101	1.1
ZZ66664		0.022	0.23	3.57	218	0.37	3.62	84	0.5
ZZ66665		0.029	0.24	9.35	204	0.51	9.33	167	0.5
ZZ66666		0.027	0.36	4.41	143	0.28	5.46	160	<0.5
ZZ66667		0.024	0.34	6.15	175	0.25	5.57	203	<0.5
ZZ66668		0.018	0.33	5.20	135	0.18	5.92	152	<0.5
ZZ66669		0.016	0.33	3.14	112	0.16	3.08	110	<0.5
ZZ66670		0.019	0.51	7.28	170	0.26	6.60	277	0.5
ZZ66671		0.040	1.77	11.20	113	0.40	10.95	381	14.0
ZZ66672		0.049	0.94	20.7	312	0.28	16.60	891	5.7
ZZ66673		0.029	0.77	9.35	197	0.26	8.81	415	1.1
ZZ66674		0.043	0.59	9.71	260	0.30	10.05	568	1.1
ZZ66675		0.030	0.90	9.17	182	0.20	35.1	1560	2.6
ZZ66676		0.038	0.85	9.56	315	0.30	7.38	292	1.4
ZZ66677		0.092	1.70	23.2	394	0.50	20.6	652	8.0
ZZ66678		0.174	3.14	29.6	572	0.68	39.8	1100	18.3
ZZ66679		0.100	2.87	13.60	119	0.43	15.15	215	16.3
ZZ66680		0.013	2.48	7.20	113	0.22	10.20	208	4.3
ZZ66681		0.007	2.73	7.46	136	0.19	10.80	329	9.4
ZZ66682		0.111	0.73	1.76	99	0.41	6.40	72	2.1
ZZ66683		0.060	0.21	1.54	54	0.20	3.64	109	0.9
ZZ66684		0.024	0.08	0.47	23	0.11	1.64	32	<0.5
ZZ66685		0.052	0.23	0.92	49	0.16	4.42	223	1.0
ZZ66686		0.018	0.02	0.23	10	<0.05	0.29	8	<0.5
ZZ66687		0.053	0.18	0.76	45	0.23	2.05	90	0.8
ZZ66688		0.023	0.10	0.62	30	0.13	1.70	65	<0.5
ZZ66689		0.018	0.03	0.27	14	0.06	0.49	24	<0.5
ZZ66690		0.021	0.10	0.80	42	0.26	1.38	62	<0.5
ZZ66691		0.027	0.09	0.45	24	0.16	1.11	30	<0.5
ZZ66692		0.063	0.25	1.76	109	0.59	3.30	142	1.1
ZZ66693		0.037	0.12	1.05	41	0.19	4.74	200	<0.5
ZZ66694		0.018	2.06	10.55	175	0.21	13.45	265	10.4
ZZ66695		0.018	0.42	2.19	61	0.20	6.63	263	<0.5
ZZ66696		0.009	0.64	4.47	50	0.11	9.44	313	0.8

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Finalized Date: 8- AUG- 2012
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Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66697		0.35	0.005	0.67	0.95	69.9	<0.2	<10	130	0.54	0.73	0.03	0.77	30.2	6.5	18
ZZ66698		0.31	0.003	0.72	1.39	33.1	<0.2	<10	140	1.74	0.52	0.05	1.28	81.2	31.7	18
ZZ66699		0.37	0.012	1.69	0.64	177.5	<0.2	<10	480	0.49	1.49	0.03	1.19	78.5	2.4	16
ZZ66700		0.44	0.002	0.74	0.73	184.5	<0.2	<10	220	0.40	0.79	0.01	0.37	74.4	2.0	23
ZZ66701		0.27	0.012	2.35	0.96	120.0	<0.2	<10	210	0.48	0.68	0.07	1.89	33.8	4.8	18
ZZ66702		0.30	0.005	0.51	1.06	45.1	<0.2	<10	110	0.63	0.50	0.05	0.92	20.7	4.5	15
ZZ66703		0.33	0.008	0.98	0.90	47.9	<0.2	<10	90	0.67	0.42	0.03	0.86	24.1	5.3	33
ZZ66712		0.15	0.002	0.50	0.86	151.0	<0.2	<10	120	0.46	2.76	0.10	1.69	15.70	8.3	9
ZZ66713		0.24	0.007	0.49	1.08	354	<0.2	<10	490	0.88	7.66	0.25	4.38	36.4	16.5	12
ZZ66714		0.27	0.013	0.18	2.36	281	<0.2	<10	130	0.83	3.67	0.17	0.70	55.4	13.3	17
ZZ66715		0.14	0.019	0.82	1.82	426	<0.2	<10	100	0.52	4.51	0.07	0.46	22.6	4.2	14
ZZ66716		0.15	0.022	1.42	1.52	755	<0.2	<10	150	0.55	11.55	0.12	0.60	35.1	6.9	17
ZZ66717		0.23	0.023	1.69	1.67	944	<0.2	<10	240	0.90	8.24	0.10	1.47	38.2	22.3	26
ZZ66718		0.26	0.009	0.38	1.56	159.0	<0.2	<10	180	0.59	2.76	0.11	1.17	32.1	11.3	25
ZZ66719		0.26	0.014	0.74	1.30	608	<0.2	<10	170	0.75	3.11	0.11	0.97	32.8	14.0	19
ZZ66720		0.30	<0.001	0.15	0.52	21.7	<0.2	<10	70	0.13	0.42	0.03	0.11	8.99	2.0	8
ZZ66721		0.23	<0.001	0.15	0.92	85.8	<0.2	<10	220	0.37	0.79	0.05	0.30	17.05	9.7	17
ZZ66722		0.21	0.001	0.53	0.88	27.9	<0.2	<10	150	0.35	0.35	0.07	0.73	10.25	7.3	15
ZZ66723		0.21	0.032	0.43	1.35	83.3	<0.2	<10	220	0.69	4.33	0.19	0.74	26.5	4.6	17
ZZ66724		0.18	0.014	0.72	1.32	33.9	<0.2	<10	90	0.38	1.06	0.04	0.20	16.90	3.3	18
ZZ66725		0.22	0.003	0.41	1.74	78.0	<0.2	<10	190	1.12	2.13	0.10	0.74	24.3	7.8	21
ZZ66726		0.31	0.010	0.73	1.14	66.7	<0.2	<10	140	0.54	1.64	0.06	0.45	22.6	3.4	15
ZZ66727		0.26	0.014	1.69	1.26	1730	<0.2	<10	300	1.23	4.37	0.07	4.74	51.2	19.1	18
ZZ66728		0.24	0.001	0.46	0.59	100.5	<0.2	<10	70	0.19	0.92	0.05	0.60	8.18	3.1	6
ZZ66729		0.25	0.009	0.64	1.17	407	<0.2	<10	240	0.64	2.70	0.22	1.61	31.5	11.1	19
ZZ66730		0.28	<0.001	0.15	0.80	45.3	<0.2	<10	160	0.18	0.77	0.02	0.15	14.55	3.1	11
ZZ66731		0.25	0.002	0.45	0.94	204	<0.2	<10	120	0.31	1.64	0.03	0.48	15.75	3.0	12
ZZ66732		0.27	<0.001	0.38	0.75	50.8	<0.2	<10	150	0.23	0.66	0.04	0.42	15.95	5.2	11
ZZ66733		0.23	<0.001	0.54	0.95	71.1	<0.2	<10	150	0.34	0.78	0.04	0.53	17.45	2.9	13
ZZ66734		0.20	0.001	0.55	0.85	136.0	<0.2	<10	120	0.37	1.11	0.09	1.16	15.55	3.7	13
ZZ66735		0.21	<0.001	0.59	0.64	49.3	<0.2	<10	130	0.27	0.82	0.04	0.46	20.6	4.5	11
ZZ66736		0.32	0.012	0.82	0.87	519	<0.2	<10	100	0.43	5.68	0.07	1.04	23.0	6.6	12
ZZ66737		0.22	0.012	0.52	1.98	907	<0.2	<10	160	0.99	8.69	0.14	0.67	39.9	11.6	20
ZZ66738		0.31	0.010	1.19	1.19	596	<0.2	<10	140	0.57	7.71	0.17	0.63	23.8	7.4	11
ZZ66739		0.27	0.017	0.23	0.87	763	<0.2	<10	70	0.33	2.05	0.06	0.26	20.2	6.4	16
ZZ66740		0.39	0.028	0.98	1.42	906	<0.2	<10	320	1.28	9.88	0.03	1.39	30.6	16.7	26
ZZ66741		0.26	0.023	1.15	2.23	601	<0.2	<10	380	1.72	9.07	0.07	2.12	43.8	22.7	32
ZZ66742		0.24	0.019	0.77	1.77	315	<0.2	<10	630	3.17	10.15	0.03	5.75	49.1	55.3	26
ZZ66743		0.20	<0.001	0.15	0.83	37.9	<0.2	<10	210	0.20	0.64	0.02	0.32	18.95	2.8	14
ZZ66744		0.22	<0.001	0.22	0.56	63.3	<0.2	<10	30	0.18	0.68	0.03	0.11	5.98	2.5	6

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Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66697		1.76	42.1	3.19	4.04	<0.05	<0.02	0.14	0.066	0.08	14.9	8.3	0.14	339	4.89	0.01
ZZ66698		6.26	116.5	5.45	4.35	0.09	0.02	0.05	0.082	0.11	31.5	11.8	0.29	1110	7.83	0.01
ZZ66699		1.72	87.6	5.85	4.11	0.11	0.06	0.42	0.127	0.15	41.7	3.1	0.12	87	28.0	0.02
ZZ66700		1.86	87.1	5.30	3.15	0.08	0.10	0.57	0.133	0.07	35.0	3.1	0.10	58	11.95	0.01
ZZ66701		2.08	120.0	3.53	4.79	0.07	<0.02	0.26	0.081	0.08	18.2	5.7	0.17	169	54.4	0.01
ZZ66702		2.80	67.3	3.42	4.03	0.05	<0.02	0.07	0.043	0.05	10.5	6.8	0.15	150	21.9	0.01
ZZ66703		1.13	118.5	5.69	5.29	0.07	0.02	0.26	0.094	0.04	13.1	4.6	0.10	232	74.5	<0.01
ZZ66712		2.00	51.2	2.07	3.30	<0.05	<0.02	0.07	0.035	0.04	6.6	7.4	0.20	313	7.60	0.02
ZZ66713		4.47	117.0	3.54	4.03	0.09	0.02	0.06	0.083	0.07	18.6	18.1	0.37	441	16.75	0.02
ZZ66714		5.59	77.6	3.57	8.14	0.08	<0.02	0.07	0.067	0.09	24.1	17.5	0.42	540	4.44	0.02
ZZ66715		3.49	130.5	3.01	4.31	0.05	0.05	0.07	0.052	0.06	12.2	9.7	0.38	134	11.70	0.02
ZZ66716		4.71	129.0	2.96	4.81	0.06	<0.02	0.10	0.067	0.07	18.3	11.2	0.35	192	9.41	0.02
ZZ66717		2.73	102.5	4.09	5.05	0.06	0.04	0.10	0.063	0.09	17.4	19.6	0.51	679	9.49	0.01
ZZ66718		2.74	60.7	3.70	6.26	0.05	<0.02	0.06	0.052	0.06	15.8	15.1	0.43	392	13.20	0.01
ZZ66719		2.77	97.5	4.36	4.30	0.05	0.02	0.07	0.047	0.07	16.8	11.7	0.31	398	14.35	0.01
ZZ66720		0.95	14.7	1.35	3.23	<0.05	<0.02	0.06	0.013	0.03	4.5	1.4	0.04	73	2.25	0.01
ZZ66721		1.34	25.9	3.49	4.94	<0.05	<0.02	0.07	0.030	0.06	7.2	8.5	0.16	725	3.44	0.01
ZZ66722		0.84	24.8	2.65	2.62	<0.05	0.03	0.13	0.029	0.04	4.8	7.5	0.12	314	2.55	0.01
ZZ66723		3.14	33.3	3.87	5.59	0.05	<0.02	0.09	0.031	0.06	14.5	9.8	0.15	114	11.35	0.01
ZZ66724		4.52	60.6	3.68	6.17	<0.05	<0.02	0.12	0.026	0.10	8.4	6.4	0.22	117	3.39	0.02
ZZ66725		4.49	86.3	4.92	5.56	0.05	<0.02	0.07	0.045	0.15	12.3	17.7	0.42	238	9.91	0.02
ZZ66726		4.13	52.4	2.95	4.51	<0.05	<0.02	0.05	0.055	0.06	11.9	7.5	0.19	141	8.97	0.02
ZZ66727		6.86	82.8	4.55	4.43	0.06	<0.02	0.07	0.060	0.09	24.1	14.1	0.28	665	4.43	0.01
ZZ66728		1.13	18.8	1.23	2.26	<0.05	<0.02	0.05	0.014	0.03	4.3	2.8	0.08	102	2.64	0.02
ZZ66729		1.90	72.6	3.16	3.47	0.07	0.04	0.07	0.042	0.07	15.5	12.7	0.36	316	7.00	0.01
ZZ66730		1.13	19.8	2.02	4.37	<0.05	<0.02	0.05	0.022	0.06	6.7	2.6	0.07	166	2.44	0.01
ZZ66731		1.60	34.6	2.00	4.04	<0.05	<0.02	0.07	0.027	0.05	7.8	5.6	0.12	103	3.65	0.01
ZZ66732		1.48	19.7	1.56	4.06	<0.05	<0.02	0.09	0.022	0.06	7.3	2.8	0.09	232	2.17	0.01
ZZ66733		2.00	27.3	1.64	4.02	<0.05	<0.02	0.07	0.027	0.06	8.1	5.4	0.12	103	2.42	0.02
ZZ66734		2.07	31.5	2.08	3.96	<0.05	<0.02	0.08	0.032	0.07	7.3	5.7	0.14	177	3.46	0.02
ZZ66735		1.66	23.1	2.02	4.24	<0.05	<0.02	0.05	0.029	0.07	9.8	2.3	0.07	144	2.41	0.01
ZZ66736		1.89	102.5	2.55	2.76	0.05	0.02	0.04	0.052	0.05	11.6	7.5	0.23	193	10.00	0.01
ZZ66737		5.58	73.4	3.38	6.06	0.06	<0.02	0.08	0.057	0.07	18.9	17.1	0.40	600	5.71	0.02
ZZ66738		3.40	88.3	1.90	3.81	<0.05	<0.02	0.05	0.042	0.05	11.5	7.1	0.21	275	6.08	0.03
ZZ66739		2.86	59.8	2.65	3.59	<0.05	<0.02	0.04	0.043	0.05	9.0	8.8	0.20	292	16.25	0.01
ZZ66740		4.61	240	12.65	5.06	0.12	0.04	0.10	0.097	0.14	14.9	11.0	0.26	474	71.5	0.04
ZZ66741		6.44	252	12.05	7.14	0.15	0.05	0.07	0.116	0.26	21.6	25.3	0.61	777	37.8	0.04
ZZ66742		4.99	436	10.65	3.91	0.17	0.07	0.18	0.098	0.11	22.8	17.2	0.29	1060	62.6	0.05
ZZ66743		1.89	19.3	1.77	4.76	<0.05	<0.02	0.05	0.020	0.07	9.1	2.0	0.05	119	3.79	0.02
ZZ66744		1.10	33.4	1.24	2.02	<0.05	<0.02	0.03	0.016	0.03	2.9	3.6	0.11	76	1.27	0.03

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66697		0.45	20.6	660	40.5	9.0	<0.001	0.10	9.46	1.4	2.0	0.8	17.4	<0.01	0.07	0.5
ZZ66698		0.52	90.6	1140	55.8	11.7	<0.001	0.12	10.55	4.2	5.7	0.6	25.2	<0.01	0.12	3.0
ZZ66699		0.31	17.9	1350	126.5	10.4	0.002	0.34	31.8	4.1	12.0	1.6	66.2	<0.01	0.31	9.9
ZZ66700		0.24	19.6	940	123.0	7.1	<0.001	0.09	25.6	5.1	8.7	1.1	44.7	<0.01	0.13	15.4
ZZ66701		0.31	33.9	1480	58.6	9.7	0.003	0.10	24.3	1.4	12.6	0.8	72.5	<0.01	0.20	0.5
ZZ66702		0.29	50.1	860	37.0	6.7	0.005	0.10	12.45	0.6	8.2	0.6	22.4	<0.01	0.11	<0.2
ZZ66703		0.37	43.9	1310	41.2	6.4	0.004	0.08	54.6	2.7	8.1	1.5	16.5	<0.01	0.17	1.4
ZZ66712		0.30	44.9	640	16.3	5.5	0.001	0.05	1.80	0.7	2.4	0.6	10.2	<0.01	0.08	<0.2
ZZ66713		0.65	105.5	800	30.1	9.6	0.002	0.02	3.18	4.9	4.6	1.0	22.2	<0.01	0.12	3.5
ZZ66714		1.05	26.3	1000	48.3	12.4	0.002	0.06	1.86	2.3	2.1	1.0	13.3	0.02	0.11	1.1
ZZ66715		0.76	34.1	970	61.4	7.1	0.001	0.09	4.81	1.3	4.7	1.1	18.9	0.01	0.15	0.6
ZZ66716		0.54	40.5	920	83.7	10.1	<0.001	0.06	13.10	1.7	2.7	4.6	19.1	<0.01	0.25	0.5
ZZ66717		0.86	68.5	940	111.5	11.1	0.001	0.05	23.5	3.4	3.5	5.0	28.6	<0.01	0.24	3.1
ZZ66718		0.62	56.3	950	37.5	9.2	<0.001	0.04	8.23	1.9	3.1	2.2	23.3	<0.01	0.18	0.6
ZZ66719		0.53	50.5	1170	43.1	8.2	0.001	0.08	9.86	2.2	3.0	2.0	26.1	<0.01	0.19	1.7
ZZ66720		0.31	7.0	580	9.6	6.8	<0.001	0.04	1.51	0.3	0.9	0.5	5.9	<0.01	0.05	<0.2
ZZ66721		0.49	17.3	840	23.2	11.3	0.001	0.05	2.50	0.8	1.4	0.8	9.4	<0.01	0.07	0.2
ZZ66722		0.41	15.9	860	23.5	6.0	0.001	0.05	2.67	1.1	1.7	0.3	12.0	<0.01	0.05	0.9
ZZ66723		0.52	17.5	1120	32.3	7.4	0.002	0.12	7.18	0.6	5.8	0.9	35.4	<0.01	0.66	0.3
ZZ66724		1.02	13.4	690	17.4	12.2	<0.001	0.08	2.63	1.0	2.9	0.9	9.9	<0.01	0.10	0.2
ZZ66725		0.69	36.6	1100	35.9	15.7	0.002	0.12	6.90	1.6	6.4	1.2	46.6	<0.01	0.31	0.5
ZZ66726		0.36	14.8	1100	18.5	9.2	0.001	0.09	5.63	0.5	4.4	1.1	25.1	<0.01	0.12	<0.2
ZZ66727		0.36	43.6	1050	47.8	12.5	0.001	0.08	7.08	1.5	2.9	2.2	30.5	<0.01	0.17	0.6
ZZ66728		0.24	8.4	540	15.1	3.2	0.001	0.04	4.79	0.2	1.3	0.7	11.7	<0.01	0.04	<0.2
ZZ66729		0.67	41.3	1080	77.7	7.3	0.002	0.03	27.2	2.9	3.0	3.4	28.2	<0.01	0.11	4.2
ZZ66730		0.37	9.6	500	19.8	8.7	0.001	0.02	2.72	0.7	1.0	0.9	6.3	<0.01	0.09	0.3
ZZ66731		0.29	12.4	680	61.2	8.6	0.001	0.03	15.15	0.5	1.5	2.5	8.9	<0.01	0.07	<0.2
ZZ66732		0.16	8.9	680	21.8	11.0	<0.001	0.03	3.40	0.2	0.7	0.9	7.8	<0.01	0.04	<0.2
ZZ66733		0.19	10.3	730	30.6	12.9	<0.001	0.04	7.15	0.3	0.8	1.3	10.5	<0.01	0.05	<0.2
ZZ66734		0.20	18.2	730	54.0	12.9	0.001	0.04	15.25	0.4	1.0	2.6	12.6	<0.01	0.08	<0.2
ZZ66735		0.39	13.4	650	34.7	14.7	<0.001	0.03	4.79	0.7	0.8	1.0	11.8	<0.01	0.06	<0.2
ZZ66736		0.44	40.3	670	61.1	6.5	0.001	0.03	15.25	1.6	1.6	4.8	13.4	<0.01	0.14	1.2
ZZ66737		0.99	32.1	810	66.8	13.1	0.001	0.06	10.05	2.7	1.4	2.4	16.5	<0.01	0.38	1.6
ZZ66738		0.40	26.2	780	52.1	8.7	<0.001	0.05	8.70	1.1	1.6	2.5	16.5	0.01	0.13	0.3
ZZ66739		0.34	31.0	620	107.5	8.3	0.002	0.03	1.68	0.8	1.7	0.5	7.5	<0.01	0.17	0.3
ZZ66740		0.59	90.7	2330	110.5	15.0	0.006	0.31	11.30	6.0	23.4	1.6	45.5	0.01	0.53	4.4
ZZ66741		1.24	100.5	1970	93.5	26.9	0.004	0.29	9.63	7.9	15.7	1.7	34.0	<0.01	0.47	7.3
ZZ66742		0.61	344	2070	75.2	11.4	0.017	0.15	11.10	11.7	18.6	2.4	25.3	0.01	0.27	6.5
ZZ66743		0.24	10.2	630	14.3	13.3	<0.001	0.03	2.93	0.2	1.2	1.1	9.0	<0.01	0.06	<0.2
ZZ66744		0.18	7.2	340	19.5	3.2	0.001	0.03	9.41	0.2	0.8	1.0	7.9	<0.01	0.07	<0.2

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
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Finalized Date: 8- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ66697		0.017	0.41	1.34	51	0.22	3.60	158	<0.5
ZZ66698		0.028	0.64	2.44	60	0.14	16.05	475	0.8
ZZ66699		0.010	1.21	4.93	83	0.25	8.52	157	3.8
ZZ66700		0.008	1.38	3.55	70	0.12	7.59	161	6.6
ZZ66701		0.023	1.12	8.67	202	0.26	7.59	261	<0.5
ZZ66702		0.020	0.35	6.20	128	0.24	6.67	275	<0.5
ZZ66703		0.018	0.62	11.10	407	0.26	14.85	371	0.5
ZZ66712		0.023	0.17	4.55	66	0.12	6.18	164	<0.5
ZZ66713		0.027	0.28	10.65	118	0.36	17.95	407	0.7
ZZ66714		0.052	0.19	3.47	60	1.56	8.57	136	<0.5
ZZ66715		0.030	0.27	5.54	57	0.31	13.80	133	1.3
ZZ66716		0.028	0.23	6.01	64	0.51	11.05	135	<0.5
ZZ66717		0.035	0.35	3.84	82	0.30	7.97	261	1.3
ZZ66718		0.035	0.31	3.68	129	0.31	7.60	254	<0.5
ZZ66719		0.032	0.28	4.35	68	0.29	7.47	190	0.5
ZZ66720		0.015	0.12	0.48	35	0.14	1.23	39	<0.5
ZZ66721		0.024	0.20	0.79	53	0.20	2.85	95	<0.5
ZZ66722		0.013	0.16	0.90	29	0.11	3.24	90	0.9
ZZ66723		0.020	0.27	2.45	61	0.32	4.13	125	<0.5
ZZ66724		0.046	0.33	1.11	61	0.22	3.48	66	0.5
ZZ66725		0.044	0.31	2.84	67	0.33	6.11	216	<0.5
ZZ66726		0.020	0.22	2.43	62	0.41	4.02	92	<0.5
ZZ66727		0.018	0.28	2.46	54	0.24	13.75	231	<0.5
ZZ66728		0.020	0.10	0.93	24	0.11	1.66	52	<0.5
ZZ66729		0.034	0.22	2.85	56	0.26	8.95	203	2.0
ZZ66730		0.010	0.17	0.44	47	0.13	1.81	68	<0.5
ZZ66731		0.010	0.18	1.29	37	0.18	3.41	73	<0.5
ZZ66732		0.011	0.18	0.71	37	0.16	3.11	52	<0.5
ZZ66733		0.012	0.19	0.91	39	0.17	3.70	63	<0.5
ZZ66734		0.013	0.21	0.98	46	0.15	3.37	136	<0.5
ZZ66735		0.020	0.17	0.60	51	0.21	3.01	94	<0.5
ZZ66736		0.024	0.13	4.48	62	0.29	5.88	140	0.8
ZZ66737		0.038	0.19	3.94	63	0.38	7.76	135	<0.5
ZZ66738		0.025	0.16	3.54	50	0.26	6.22	88	<0.5
ZZ66739		0.021	0.19	2.65	72	0.24	4.03	99	<0.5
ZZ66740		0.032	1.08	18.80	230	0.60	16.30	355	1.8
ZZ66741		0.053	0.86	17.20	187	0.44	16.25	420	2.7
ZZ66742		0.028	1.12	49.0	291	0.39	43.8	953	3.1
ZZ66743		0.009	0.23	0.64	55	0.19	2.03	63	<0.5
ZZ66744		0.020	0.06	0.53	19	0.10	1.22	26	<0.5

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Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ66745		0.24	0.001	0.72	1.12	161.5	<0.2	<10	70	0.35	2.48	0.05	0.26	14.05	4.0	17
ZZ66746		0.21	<0.001	0.12	0.27	5.1	<0.2	<10	20	<0.05	0.09	0.03	0.02	2.54	0.8	3
ZZ66747		0.27	0.007	0.37	2.71	275	<0.2	<10	170	1.28	2.35	0.10	0.85	28.7	18.6	29
ZZ66748		0.23	0.004	0.29	1.79	679	<0.2	<10	80	0.53	3.92	0.10	0.19	20.9	5.4	23
ZZ66749		0.34	0.008	0.28	1.76	238	<0.2	<10	140	0.87	2.03	0.16	0.58	28.3	12.4	25
ZZ66750		0.21	0.023	0.38	1.53	671	<0.2	<10	90	0.62	6.96	0.07	0.82	19.65	6.4	20
ZZ66934		0.26	0.003	0.56	1.42	307	<0.2	<10	140	0.48	2.05	0.04	0.29	26.9	4.9	19
ZZ66935		0.22	0.015	1.17	1.46	783	<0.2	<10	260	0.76	5.40	0.16	1.30	38.6	15.0	19
ZZ66936		0.19	0.039	0.52	0.63	96.7	<0.2	<10	160	0.20	1.48	0.04	1.06	18.25	4.3	10
ZZ66937		0.21	0.005	1.48	1.42	218	<0.2	<10	310	0.95	1.63	0.12	1.78	37.8	9.2	22
ZZ66938		0.23	0.007	0.76	1.21	187.5	<0.2	<10	260	0.68	2.32	0.16	0.96	36.8	7.3	21
ZZ66939		0.24	0.004	0.80	0.53	58.8	<0.2	<10	170	0.50	1.10	0.02	0.33	31.8	2.3	11
ZZ66940		0.20	0.005	1.13	0.48	131.5	<0.2	<10	80	0.23	3.20	0.03	0.24	22.6	2.4	9
ZZ66941		0.33	0.010	0.67	1.24	92.8	<0.2	<10	180	0.84	1.67	0.17	1.53	29.4	10.9	21
ZZ66942		0.21	0.008	0.11	0.40	21.0	<0.2	<10	50	0.11	0.46	0.04	0.20	4.57	1.5	5
ZZ66943		0.31	0.003	0.18	1.55	61.4	<0.2	<10	220	0.49	0.81	0.09	0.49	22.5	8.2	25
ZZ66944		0.14	0.010	0.81	1.37	442	<0.2	<10	110	0.53	5.23	0.11	0.80	20.2	4.8	12
ZZ66945		0.15	0.010	0.42	1.76	210	<0.2	<10	100	0.61	4.15	0.07	0.48	22.2	6.2	12
ZZ66946		0.23	0.014	1.22	1.14	521	<0.2	<10	180	0.83	8.64	0.22	1.96	19.30	11.4	14
ZZ66947		0.26	0.022	1.97	1.46	924	<0.2	<10	320	1.46	13.05	0.12	4.28	28.6	27.8	20
ZZ66948		0.23	0.004	0.61	0.63	169.0	<0.2	<10	100	0.40	3.45	0.04	1.05	9.34	3.9	8
ZZ66949		0.18	0.023	1.58	2.16	753	<0.2	<10	340	2.45	13.40	0.12	4.21	39.3	66.7	24
ZZ66950		0.28	0.006	0.44	0.91	369	<0.2	<10	430	0.73	6.76	0.19	1.49	17.15	12.6	15
ZZ66951		0.22	0.013	0.85	1.00	180.5	<0.2	<10	170	0.96	4.35	0.15	4.18	24.2	9.0	23
ZZ66952		0.19	0.009	1.15	0.65	169.0	<0.2	<10	180	0.47	3.76	0.11	3.67	18.40	11.0	14
ZZ66953		0.18	0.013	0.63	0.92	531	<0.2	<10	150	0.53	10.45	0.16	2.14	19.90	11.0	14
ZZ66954		0.23	0.009	0.52	1.15	540	<0.2	<10	210	1.01	10.85	0.27	1.87	38.8	11.9	15
ZZ66955		0.19	0.005	0.28	1.55	385	<0.2	<10	210	0.93	11.50	0.33	0.74	38.1	14.1	18
ZZ66956		0.34	0.016	3.32	0.72	154.0	<0.2	<10	320	0.32	1.23	0.05	0.49	42.3	2.7	18
ZZ66957		0.28	0.008	0.80	0.53	85.9	<0.2	<10	170	0.19	0.80	0.02	0.25	28.7	2.3	12
ZZ66958		0.28	0.032	2.28	0.94	643	<0.2	<10	280	0.58	4.94	0.09	1.62	53.7	4.7	20
ZZ66959		0.27	0.009	0.99	0.92	79.7	<0.2	<10	110	0.50	1.04	0.03	0.81	33.3	4.0	18
ZZ66960		0.34	0.019	1.25	2.58	70.2	<0.2	<10	350	2.19	1.62	0.06	7.27	75.9	40.5	27
ZZ66961		0.20	0.013	1.39	1.06	536	<0.2	<10	120	0.52	12.65	0.08	0.46	22.2	10.4	16
ZZ66999		0.14	0.024	1.10	1.33	2460	<0.2	<10	90	0.34	12.40	0.11	0.42	16.40	4.1	16
ZZ67000		0.27	0.034	1.40	0.82	1835	<0.2	<10	160	0.55	6.96	0.07	1.40	23.5	8.0	14

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ66745		2.83	86.4	3.07	4.16	0.05	<0.02	0.05	0.031	0.06	6.6	9.3	0.31	126	3.47	0.02
ZZ66746		0.36	2.8	0.40	1.15	<0.05	<0.02	0.03	<0.005	0.02	1.3	0.4	0.02	23	0.31	0.03
ZZ66747		3.07	86.1	4.96	4.94	0.06	0.11	0.09	0.032	0.08	13.2	23.0	0.46	462	3.52	0.02
ZZ66748		4.06	166.5	6.27	5.57	0.06	<0.02	0.06	0.026	0.10	9.6	12.8	0.47	174	2.99	0.02
ZZ66749		3.91	120.0	4.66	4.99	0.06	0.03	0.04	0.043	0.11	13.2	17.2	0.45	357	5.00	0.02
ZZ66750		3.62	99.7	4.01	4.36	0.05	<0.02	0.05	0.134	0.08	8.9	12.2	0.31	177	2.83	0.02
ZZ66934		2.27	30.2	3.20	5.53	0.05	0.04	0.06	0.048	0.08	13.0	17.3	0.18	196	5.37	0.02
ZZ66935		3.99	106.5	3.79	4.05	0.08	0.04	0.11	0.051	0.09	19.8	13.4	0.36	494	10.50	0.03
ZZ66936		2.70	22.8	1.74	3.12	<0.05	<0.02	0.05	0.027	0.05	9.4	3.9	0.10	189	8.84	0.03
ZZ66937		7.59	50.6	4.04	4.32	0.08	0.02	0.11	0.061	0.10	20.1	14.4	0.32	316	11.05	0.01
ZZ66938		2.38	64.9	3.51	3.49	0.09	0.05	0.07	0.083	0.06	21.6	11.1	0.28	264	14.90	0.01
ZZ66939		3.56	33.1	2.58	2.73	0.08	<0.02	0.07	0.034	0.05	20.0	3.7	0.08	114	25.3	0.01
ZZ66940		1.59	18.8	2.27	3.17	<0.05	<0.02	0.08	0.018	0.04	12.2	1.7	0.06	137	3.01	0.02
ZZ66941		2.26	64.5	3.69	3.51	0.06	0.02	0.10	0.045	0.08	17.6	12.2	0.34	348	16.20	0.01
ZZ66942		0.62	9.3	0.73	1.72	<0.05	<0.02	0.05	0.009	0.02	2.6	1.4	0.04	50	2.14	0.03
ZZ66943		1.56	28.6	3.55	5.50	<0.05	<0.02	0.08	0.034	0.06	11.7	14.9	0.34	357	4.13	0.01
ZZ66944		3.61	101.0	2.34	3.71	0.05	0.02	0.09	0.043	0.05	12.1	8.4	0.29	166	8.27	0.02
ZZ66945		3.71	109.5	3.00	4.03	0.07	0.03	0.07	0.035	0.07	12.7	10.4	0.24	206	13.15	0.03
ZZ66946		3.28	123.5	6.01	3.41	0.08	<0.02	0.07	0.056	0.06	9.7	10.1	0.31	336	24.1	0.02
ZZ66947		4.42	208	9.56	3.95	0.11	0.02	0.12	0.094	0.09	15.1	15.0	0.78	772	39.9	0.01
ZZ66948		1.89	62.1	3.26	2.63	<0.05	<0.02	0.05	0.028	0.03	5.0	2.5	0.07	178	15.35	0.02
ZZ66949		7.18	260	7.06	4.08	0.10	0.02	0.06	0.101	0.08	23.3	22.8	0.50	1430	36.8	0.02
ZZ66950		2.40	79.8	3.87	2.85	0.05	<0.02	0.03	0.055	0.06	7.4	12.5	1.05	645	18.80	0.01
ZZ66951		4.78	127.0	4.18	3.03	0.07	<0.02	0.10	0.058	0.06	13.6	18.3	0.37	199	27.2	0.01
ZZ66952		2.76	100.5	3.25	2.13	0.06	<0.02	0.03	0.058	0.06	8.3	13.3	0.83	282	14.45	0.01
ZZ66953		4.37	91.0	2.63	2.95	0.06	<0.02	0.06	0.047	0.08	11.2	14.7	0.81	306	21.0	0.02
ZZ66954		6.55	95.0	3.54	3.86	0.07	<0.02	0.06	0.062	0.08	20.2	22.2	0.45	418	19.35	0.02
ZZ66955		5.07	130.0	4.06	4.70	0.07	0.02	0.06	0.046	0.08	12.8	21.9	0.61	579	8.11	0.02
ZZ66956		1.31	36.8	4.17	3.60	0.10	<0.02	0.19	0.435	0.14	25.9	4.6	0.15	154	68.5	0.01
ZZ66957		1.17	29.8	2.97	4.44	0.05	<0.02	0.14	0.062	0.05	15.4	1.0	0.03	65	28.3	0.01
ZZ66958		2.56	74.0	5.01	4.02	0.13	0.03	0.04	1.325	0.15	32.8	6.7	0.21	170	55.6	0.01
ZZ66959		2.93	68.4	5.36	5.56	0.07	<0.02	0.08	0.083	0.07	18.9	3.7	0.12	203	48.9	0.01
ZZ66960		4.45	218	11.25	5.64	0.14	0.08	0.06	0.093	0.21	33.6	20.9	0.42	496	47.0	0.03
ZZ66961		2.96	190.5	4.72	3.66	0.07	<0.02	0.04	0.060	0.08	12.2	9.3	0.40	281	31.6	0.02
ZZ66999		3.48	151.0	3.97	4.38	0.05	<0.02	0.06	0.067	0.11	8.2	8.9	0.35	132	2.68	0.02
ZZ67000		4.17	146.5	3.82	2.98	0.05	0.03	0.05	0.062	0.11	12.4	9.2	0.24	203	6.70	<0.01

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

ALS Canada Ltd.
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ66745		0.52	16.6	640	56.9	7.9	<0.001	0.08	21.2	0.9	2.4	2.3	16.7	<0.01	0.31	0.2
ZZ66746		<0.05	1.4	360	2.1	1.6	<0.001	0.01	0.39	0.1	<0.2	0.2	5.3	<0.01	<0.01	<0.2
ZZ66747		1.31	45.6	930	42.0	13.1	0.001	0.06	15.80	3.8	3.3	1.1	22.2	0.01	0.14	6.2
ZZ66748		0.67	19.7	1080	18.8	11.2	0.001	0.11	4.46	2.4	4.0	0.8	21.5	<0.01	0.24	1.3
ZZ66749		0.92	38.7	1110	40.7	13.5	0.001	0.07	17.60	2.8	2.9	1.3	20.5	<0.01	0.13	1.8
ZZ66750		0.69	21.0	770	238	10.4	0.001	0.10	120.0	1.5	2.5	8.8	12.7	<0.01	0.28	0.6
ZZ66934		0.93	16.3	390	69.6	13.5	<0.001	0.02	17.05	2.2	1.4	3.1	10.1	<0.01	0.11	3.2
ZZ66935		0.68	40.9	1200	150.5	10.6	0.001	0.07	60.5	3.1	4.9	8.1	37.8	<0.01	0.17	3.7
ZZ66936		0.22	7.8	670	23.2	7.7	<0.001	0.06	4.49	0.3	2.0	1.8	19.1	<0.01	0.11	<0.2
ZZ66937		0.97	31.7	1470	41.9	11.5	0.002	0.10	11.40	2.4	4.7	1.9	47.8	<0.01	0.09	1.6
ZZ66938		0.81	29.7	1140	39.4	7.3	0.004	0.06	12.05	2.5	8.2	1.5	37.2	<0.01	0.14	3.0
ZZ66939		0.11	11.9	1070	35.1	6.4	0.001	0.07	6.65	0.3	3.0	0.9	35.9	<0.01	0.18	<0.2
ZZ66940		0.16	7.4	800	60.9	5.8	0.001	0.07	21.4	0.2	1.3	5.8	16.7	<0.01	0.28	<0.2
ZZ66941		0.56	65.0	1330	34.9	8.2	<0.001	0.07	6.87	2.2	3.2	1.1	33.1	<0.01	0.16	1.3
ZZ66942		0.20	6.9	510	6.9	3.3	<0.001	0.04	1.77	0.1	<0.2	0.5	7.1	<0.01	0.01	<0.2
ZZ66943		1.18	24.8	580	31.3	9.0	0.001	0.03	2.71	2.4	1.3	0.9	15.5	<0.01	0.07	1.4
ZZ66944		0.47	35.6	930	55.9	7.1	<0.001	0.08	4.48	0.8	2.1	1.3	15.4	<0.01	0.14	0.3
ZZ66945		0.84	33.6	780	33.0	8.2	0.001	0.07	3.09	1.8	4.0	0.9	15.9	0.01	0.13	0.5
ZZ66946		0.40	95.3	1100	65.0	7.1	0.004	0.09	4.86	1.8	7.9	1.4	24.3	0.01	0.22	0.6
ZZ66947		0.43	162.0	1460	95.8	9.4	0.003	0.15	7.92	3.3	11.3	3.3	23.5	0.01	0.30	1.3
ZZ66948		0.15	30.2	800	29.3	4.2	0.001	0.07	4.17	0.3	3.0	0.9	7.3	<0.01	0.09	<0.2
ZZ66949		0.45	240	1300	96.2	10.3	0.004	0.13	8.66	5.6	9.9	1.8	21.4	0.01	0.26	1.0
ZZ66950		0.30	90.7	690	32.9	7.0	0.002	0.07	4.00	1.1	3.2	0.7	18.2	<0.01	0.13	0.2
ZZ66951		0.30	147.5	1020	28.0	7.1	0.002	0.07	2.81	1.4	5.9	0.8	9.8	<0.01	0.13	0.3
ZZ66952		0.22	121.5	700	25.5	6.8	<0.001	0.03	2.30	1.5	4.0	0.4	7.5	<0.01	0.14	0.5
ZZ66953		0.33	104.0	820	19.4	9.0	0.002	0.06	1.52	1.3	3.2	0.7	19.0	0.01	0.16	0.3
ZZ66954		0.58	111.5	780	27.9	12.7	0.002	0.03	1.55	4.7	2.6	1.1	30.6	<0.01	0.15	1.9
ZZ66955		0.84	53.5	670	22.1	11.9	<0.001	0.04	1.38	5.7	1.2	0.9	28.0	<0.01	0.15	1.6
ZZ66956		0.39	14.3	1970	57.0	11.6	0.003	0.27	35.7	1.5	22.5	1.4	104.0	<0.01	0.38	0.9
ZZ66957		0.23	14.0	730	37.8	6.8	0.002	0.06	13.75	0.3	6.4	1.1	35.6	<0.01	0.18	<0.2
ZZ66958		0.50	34.0	2090	172.0	11.9	0.004	0.26	69.3	3.7	21.8	9.3	75.0	<0.01	0.35	2.9
ZZ66959		0.41	45.8	1280	77.7	8.9	0.002	0.10	26.4	1.3	15.2	1.1	23.5	<0.01	0.29	0.4
ZZ66960		0.95	165.5	2370	124.0	13.3	0.005	0.53	48.1	6.0	20.9	1.0	112.0	0.01	0.43	7.6
ZZ66961		0.32	89.6	940	87.7	8.9	0.002	0.10	6.92	1.7	8.4	1.6	18.8	<0.01	0.20	0.5
ZZ66999		0.63	15.5	1000	106.0	10.2	<0.001	0.11	27.1	1.5	2.8	3.2	26.6	<0.01	0.25	0.4
ZZ67000		0.54	35.0	680	349	10.3	0.001	0.13	122.5	2.0	3.4	11.8	39.1	<0.01	0.43	1.4

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Finalized Date: 8- AUG- 2012
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CERTIFICATE OF ANALYSIS WH12173426

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ66745		0.031	0.18	1.32	44	0.40	2.85	58	<0.5
ZZ66746		0.009	0.04	0.17	13	<0.05	0.35	7	<0.5
ZZ66747		0.046	0.28	1.77	57	0.50	6.79	203	3.5
ZZ66748		0.048	0.24	1.52	56	0.31	5.22	78	0.6
ZZ66749		0.051	0.25	1.73	60	0.41	7.16	167	1.0
ZZ66750		0.041	0.17	1.15	48	0.50	3.73	140	0.5
ZZ66934		0.013	0.29	0.87	70	0.24	3.07	110	1.4
ZZ66935		0.033	0.30	4.42	71	0.36	11.05	262	1.6
ZZ66936		0.017	0.18	1.04	43	0.19	2.19	65	<0.5
ZZ66937		0.033	0.35	3.53	72	0.29	7.74	170	0.7
ZZ66938		0.034	0.33	3.86	99	0.57	7.73	177	1.7
ZZ66939		0.008	0.28	3.83	63	0.30	7.05	93	<0.5
ZZ66940		0.016	0.10	0.84	31	0.23	1.41	43	<0.5
ZZ66941		0.034	0.36	4.34	91	0.29	9.28	304	0.6
ZZ66942		0.016	0.07	0.63	27	0.09	1.02	33	<0.5
ZZ66943		0.035	0.23	0.96	63	0.32	3.47	113	<0.5
ZZ66944		0.026	0.19	4.44	49	0.29	8.33	132	0.7
ZZ66945		0.034	0.37	4.52	59	0.21	17.00	128	1.1
ZZ66946		0.027	0.47	8.14	111	0.23	9.31	262	0.5
ZZ66947		0.027	0.73	17.30	188	0.32	16.95	497	0.6
ZZ66948		0.015	0.20	4.22	105	0.15	3.50	134	<0.5
ZZ66949		0.030	0.71	29.9	154	0.25	34.6	715	<0.5
ZZ66950		0.022	0.24	5.24	171	0.20	6.73	259	<0.5
ZZ66951		0.020	0.43	9.92	279	0.28	14.70	351	<0.5
ZZ66952		0.013	0.25	4.90	133	0.23	8.44	583	<0.5
ZZ66953		0.023	0.26	7.68	174	0.22	11.85	244	<0.5
ZZ66954		0.027	0.26	9.83	158	0.32	18.75	295	<0.5
ZZ66955		0.050	0.15	3.56	81	0.18	11.60	134	<0.5
ZZ66956		0.020	0.85	5.13	264	0.29	5.29	116	0.6
ZZ66957		0.018	0.47	2.48	200	0.24	3.45	125	<0.5
ZZ66958		0.024	0.97	11.80	257	0.23	9.35	372	0.8
ZZ66959		0.025	0.58	6.08	299	0.33	6.30	381	<0.5
ZZ66960		0.041	1.45	15.60	150	0.50	19.60	761	3.9
ZZ66961		0.032	0.36	8.82	96	0.41	5.94	138	<0.5
ZZ66999		0.047	0.25	1.17	45	0.19	4.54	93	<0.5
ZZ67000		0.022	0.28	1.81	40	0.22	5.60	216	1.1

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

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

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 8- AUG- 2012
Account: F

Project: Liam

CERTIFICATE OF ANALYSIS WH12173426

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).

APPENDIX IV

STATEMENT OF EXPENDITURES

Statement of Expenditures
Liam 1-76 & 81-170 Mineral Claims
July 20, 2012

Labour

A. Mitchell (geologist) July 2012 – 12 days @ $595/day	$ 7,996.80
T. Epp (field assistant) July 2012 – 12 days @ $476/day	6,397.44
S. LaFleur (field assistant) July 2012 – 12 days @ $374/day	5,026.56
M. Van Loon (field assistant) July 2012 – 12 days @ $340/day	4,569.60
	23,990.40

Expense (including management fee)

Field room and board – 48 mandays @ $175/manday	10,160.64
Fireweed Helicopters – 9.6 hrs Hughes 500D @ $1050/hr plus fuel	15,340.73
– 2 hrs Bell 206 @ $1050/hr plus fuel	2,381.40
Black Sheep Aviation – 920 miles @ $11.25/mile	11,736.91
ALS Chemex – 617 samples @ $33.79	22,516.30
Report preparation	5,000.00
	67,135.98

Total	$91,126.38

GEOLOGICAL LEGEND TO ACCOMPANY FIGURE 4

QUATERNARY

Q

Q: QUATERNARY
unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

MID-CRETACEOUS

mKS

mKS: SELWYN SUITE
plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y); equivalent felsic dykes (f); complete compositional gradation so that these designations are somewhat arbitrary

q. equigranular to porphyritic (K-feldspar) biotite +/- hornblende +/- muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts (Selwyn Suite)

g. resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspasr) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite (Selwyn Suite)

MIDDLE TO UPPER TRIASSIC

TrJ

TrJ: JONES LAKE
brown to buff weathering, calcareous fine grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive,light grey weathering, fine crystalline, dark grey limestone; minor orange weathering platy limestone (Jones Lake)

CARBONIFEROUS TO PERMIAN

CPMC

CPMC: MOUNT CHRISTIE
burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules (Mount Christie)

MISSISSIPPIAN

MK

MK: KENO HILL
massive to thick bedded quartz arenite; thin to medium bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated (Keno Hill Quartzite)

MISSISSIPPIAN



MT: TAY
mixed, generally fine clastic and carbonate assemblage (1) with locally thick regionally mappable carbonate horizons (2)

2. grey and buff weathering, generally thick bedded to massive, dark grey to black fetid limestone; fine crystalline to cryptocrystalline; commonly bioclastic

DEVONIAN AND MISSISSIPPIAN



DME: EARN
complex assemblage of submarine fan and channel deposits (1), (5) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3); barite common and many occurrences of stratiform Pb-Zn

1. thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone (Earn Gp., Portrait Lake and Prevost)

ORDOVICIAN TO LOWER DEVONIAN



ODR: ROAD RIVER - SELWYN
black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)

1. black, gun-blue, or silvery white weathering black graptolitic shale and black chert; resistant grey weathering, thin to medium bedded, light grey to black, greenish grey or turquoise chert; minor argillaceous limestone (Road River Gp., Duo Lake and Elmer Creek)
2. rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick bedded, argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone (Road River Gp., Steel)

LOWER CAMBRIAN



lCG: GULL LAKE
dominantly fine clastic assemblage (1) with local volcanic units (2)

1. shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (+/-garnet +/-sillimanite +/-staurolite +/-andalusite) (Gull Lake)

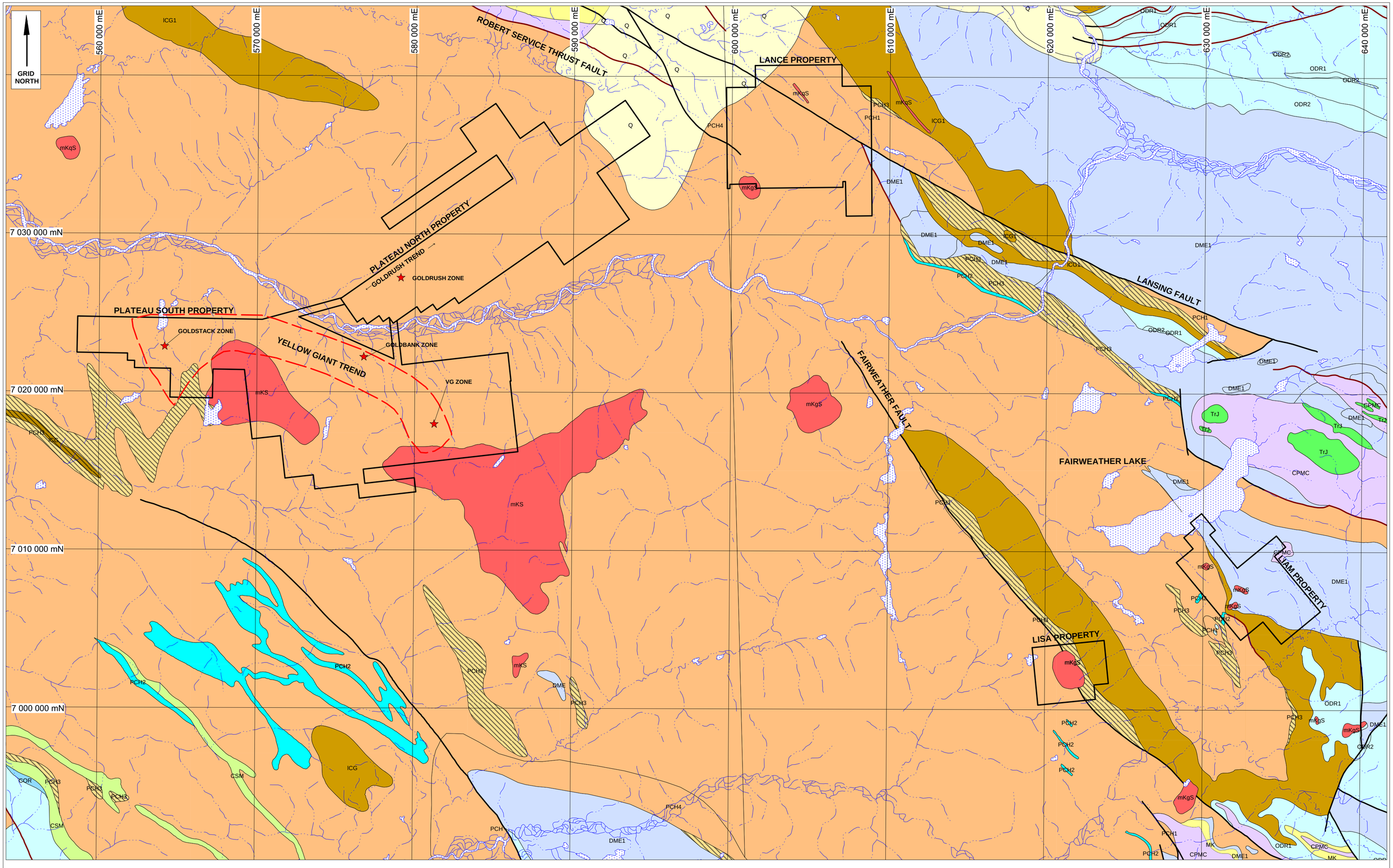
2. dark green massive to fragmental mafic meta-volcanic and volcaniclastic rocks; siltstone and argillite

UPPER PROTEROZOIC TO LOWER CAMBRIAN



PCH: HYLAND
consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks (5) (Hyland Gp.)

1. thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (Hyland Gp., Yusezyu)
2. grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (Hyland Gp., Algae Lake , limestone member of Yusezyu)
3. distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate (Hyland Gp., Narchilla , Senoah , Arrowhead Lake)
4. quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units (Hyland Gp., mostly(?) Yusezyu)



After Gordey and Makepeace, 2003 and Bremner, 2012

Goldstrike Resources Mineralized Zones Referred to in Text

Fault (movement unknown)

Thrust fault (dip unknown)

See accompanying lithological legend

NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.

FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

LIAM PROPERTY

0 10 20 km

UTM ZONE 8, NAD 83, NTS 105N

FILE: ...2012/Lansing/Figures/Geology.wor | DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

Annual change decreasing 25.6'

633 250 mE

633 500 mE

633 750 mE

7 007 000 mN

7 006 750 mN

7 006 500 mN

1,700

1,540

1,480

LIMIT OF MAPPING

Skarn: Light to dark green, weakly to moderately calcareous skarn, which may comprise fine grained arsenopyrite

Dyke: Diorite to granodiorite dyke with locally fine grained arsenopyrite and pyrite

Quartz Vein: Barren quartz vein

Slate: Light grey to black, well bedded and rusty weathering slate with or without fine grained disseminated pyrite

Quartzite: Light grey to white, well bedded and variably pyritiferous quartzite

Interbedded chert-arenite, slate with lesser calcarenite and chert pebble conglomerate: Interbedded purple to dark grey chert-arenite and slate with lesser dark grey calcarenite and/or chert pebble conglomerate interbeds and may host fine grained dissemianted pyrite

Defined contact

Inferred contact

Bedding

Fracture

Quartz Vein

Cleavage

Fold

Linear

Inferred antiform hinge line

Inferred synform hinge line

Outcrop

Subcrop

NEW DIMENSION RESOURCES LTD.
STRATEGIC METALS LTD.

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

MAIN AREA

LIAM PROPERTY

0 100 m

UTM ZONE 8, NAD 83, 105N/06 & 07

FILE: ...2012/Lansing/Figures/Liam_F_5_Geology_Main_Area.wor | DATE: JAN 2013

T.N.

2°27'

23° 55' E

Grid north

Magnetic north

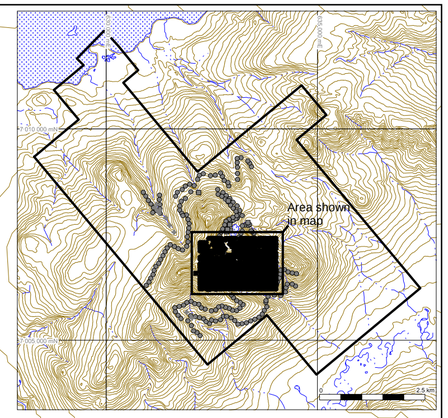
Annual change decreasing 25.6'

633000 mE

634000 mE

7007000 mN

7006000 mN



1:580

1:720

1:220

2012 Soil Samples
2012 Rock Samples
2011 Soil Samples
2011 Rock Samples
2011 Silt Samples
TR-12-01

NEW DIMENSION RESOURCES LTD.
STRATEGIC METLALS LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATIONS

LIAM PROPERTY

0 100 250 m

Contour Interval: 20 m. UTM Zone 8, NAD 83, 105N/01

FILE:2012/Lansing.../Liam_F_7_Sample_Locations.wor

DATE: JAN 2013