

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

Describing

DIAMOND DRILLING

at the

OCELOT SHOWING

R, Rau and S Claims

NTS 106D/01, 02, 06, 07 & 08
Latitude 64°16'N; Longitude 134°39'W

in the
Mayo Mining District,
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

For

ATAC RESOURCES LTD.

By

Matthew R. Dumala, P.Eng.

April 2012

CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFRASTRUTURE	1
EXPLORATION HISTORY	3
GEOMORPHOLOGY	4
GEOLOGY	5
MINERALIZATION	8
DIAMOND DRILLING	9
DISCUSSION AND CONCLUSIONS	12
REFERENCES	13

APPENDICES

I	STATEMENT OF QUALIFICATIONS
II	GEOLOGICAL AND GEOTECHNICAL LOGS
III	CERTIFICATES OF ANALYSIS
IV	STANDARD SAMPLE CERTIFICATES

FIGURES

<u>No.</u>	<u>Description</u>	<u>Follows page</u>
1	Property Location	1
2	Claim Locations	in pocket
3	Tectonic Setting	5
4	Regional Geology	5
5	Drill Plan	in pocket
6	Section 10+100E	9
7	Section 10+125E	9
8	Section 10+150E	9
9	Section 10+165E	9
10	Section 10+200E	9
11	Section 09+950NE	9
12	Section 09+925NE	9
13	Section 09+900NE	9
14	Section 09+750NE	9
15	Section 09+700NE	9

TABLES

I	Regional Lithological Units	5
II	Drill Hole Data	9
III	Significant 2011 Drill Intersections	10
IV	Standard Sample Consensus Values	11

INTRODUCTION

The Ocelot Showing is located in central Yukon along the northern edge of the Tintina Gold Belt, a band of intrusion-related gold deposits that extends across Yukon and Alaska. The Ocelot area is primarily of interest for structurally hosted silver-lead-zinc. The property is owned 100% by ATAC Resources Ltd. and is a part of the Rackla Gold Property.

This report describes an exploration program that was conducted on the claims surrounding the Ocelot Showing between April 27 and July 10, 2010 by Archer, Cathro & Associates (1981) Limited on behalf of ATAC. The author participated in and supervised that program, which consisted of 3784.75 m of diamond drilling in 19 holes. The author's Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFRASTRUCTURE

The Ocelot Showing is located in central Yukon at latitude 64°16'N and longitude 134°39'W on NTS map sheet 106D/07 (Figure 1). The showing is a part of much larger (1,641 km²) Rackla Gold Property consisting of 8861 contiguous mineral claims, the western portion of this larger property is known as the "Rau Trend". All work outlined in this report lies entirely within a claim grouping comprising 750 contiguous mineral claims covering an area of approximately 15,200 hectares (152 km²). The claims are all registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC. Specifics concerning claim registration are tabulated below while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
R 435	YC68768	April 28, 2021
437	YC68770	April 28, 2021
439	YC68772	April 28, 2021
441	YC68774	April 28, 2021
443	YC68776	April 28, 2021
445	YC68778	April 28, 2021
447	YC68780	April 28, 2021
449	YC68782	April 28, 2021
451	YC68784	April 28, 2021
453	YC68786	April 28, 2021
455	YC68788	April 28, 2021
490-495	YC68823-YC68828	April 28, 2021
536-539	YC68869-YC68872	April 28, 2021
578-581	YC68911-YC68914	April 28, 2021
617-620	YC68950-YC68953	April 28, 2021
652-655	YC68985-YC68988	April 28, 2021
686-689	YC69019-YC69022	April 28, 2021
720-723	YC69053-YC69056	April 28, 2021
754-757	YC69087-YC69090	April 28, 2021

ATAC RESOURCES LTD.

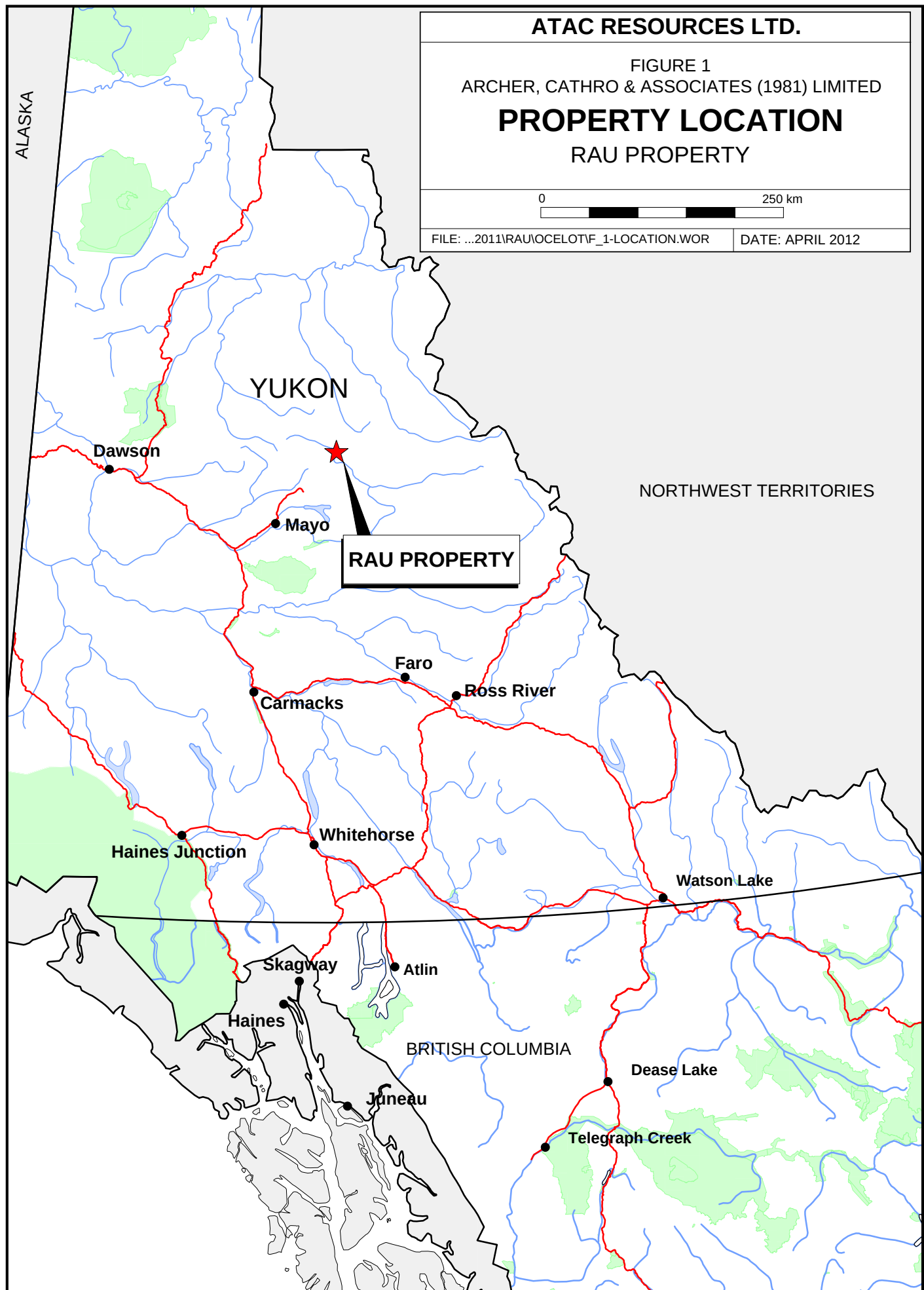
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

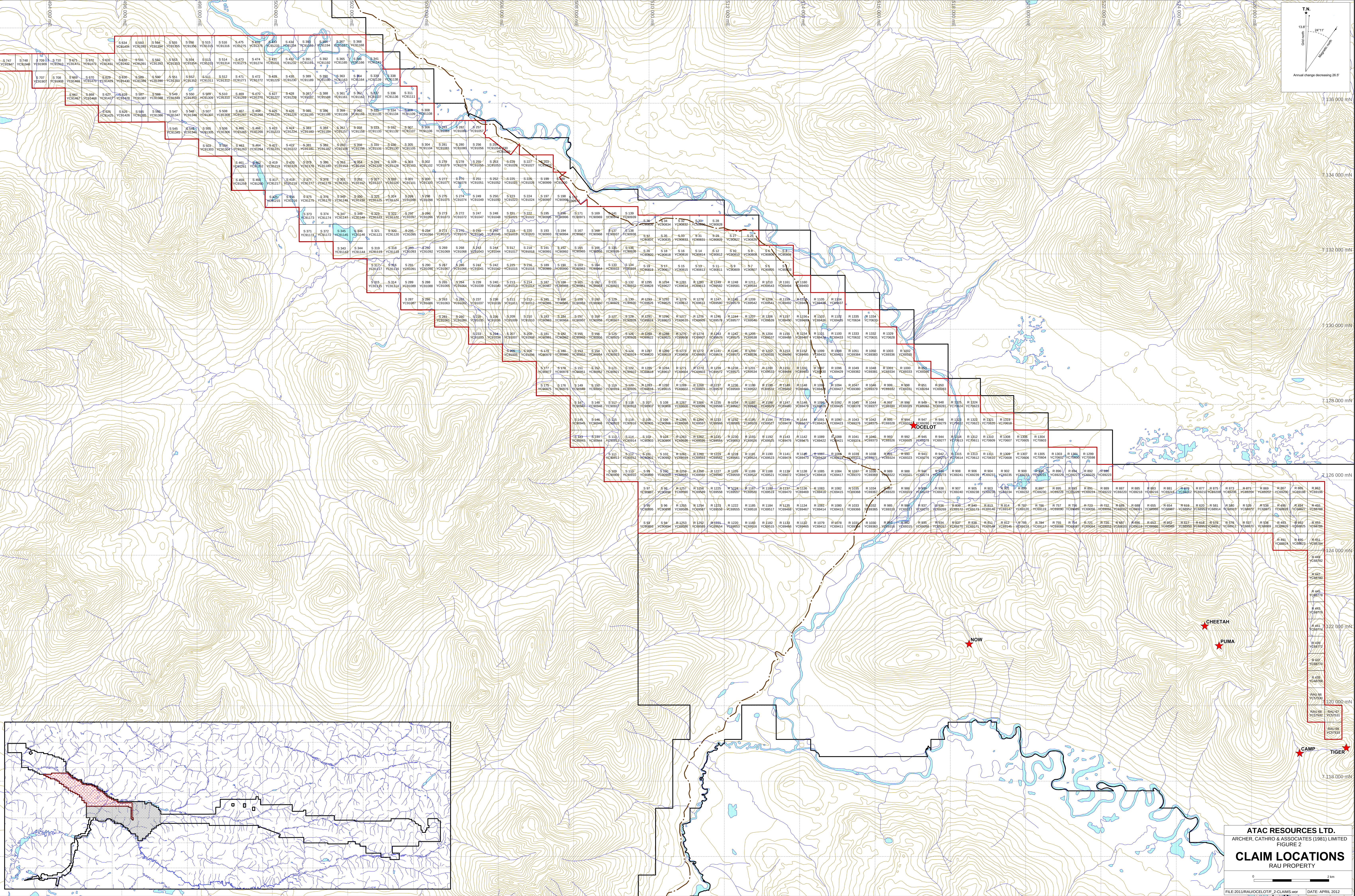
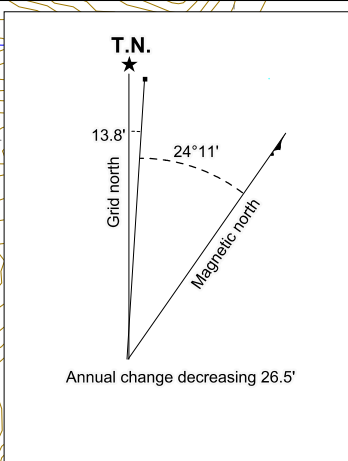
PROPERTY LOCATION
RAU PROPERTY

0 250 km

FILE: ...2011\RAU\OCELOT\F_1-LOCATION.WOR

DATE: APRIL 2012





ATAC RESOURCES LTD.
ARCHER, CATRO & ASSOCIATES (1981) LIMITED
FIGURE 2
CLAIM LOCATIONS
RAU PROPERTY

784-787	YC69117-YC69120	April 28, 2021
811-814	YC69144-YC69147	April 28, 2021
837-840	YC69170-YC69173	April 28, 2021
863	YC69196	April 28, 2021
865	YC69198	April 28, 2021
867	YC69200	April 28, 2021
869	YC69202	April 28, 2021
871	YC69204	April 28, 2021
873	YC69206	April 28, 2021
875	YC69208	April 28, 2021
877	YC69210	April 28, 2021
879	YC69212	April 28, 2021
881	YC69214	April 28, 2021
883	YC69216	April 28, 2021
885	YC69218	April 28, 2021
887	YC69220	April 28, 2021
889-908	YC69222-YC69241	April 28, 2021
934- 951	YC69267-YC69284	April 28, 2021
953	YC69286	April 28, 2021
982-1003	YC69315-YC69336	April 28, 2021
1030-1051	YC69363-YC69384	April 28, 2021
1078-1105	YC69411-YC69438	April 28, 2021
1132-1161	YC69465-YC69494	April 28, 2021
1182-1211	YC69515-YC69544	April 28, 2021
1220-1249	YC69553-YC69582	April 28, 2021
1252 -1295	YC69585-YC69628	April 28, 2021
1299	YC70598	April 28, 2018
1301	YC70600	April 28, 2018
1303-1315	YC70602-YC70614	April 28, 2018
1319	YC70618	April 28, 2018
1321-1325	YC70620-YC70624	April 28, 2018
1329	YC70628	April 28, 2018
1332-1335	YC70631-YC70634	April 28, 2018
Rau 66-69	YC57530-YC57533	April 28, 2021
S 3-20	YC90803-YC90820	April 28, 2019
25	YC90825	April 28, 2019
27-37	YC90827-YC90837	April 28, 2019
93-139	YC90893-YC90939	April 28, 2019
141	YC90941	April 28, 2019
143-169	YC90943-YC90969	April 28, 2019
171-172	YC90971-YC90972	April 28, 2019

175-S 200	YC90975-YC91000	April 28, 2019
203	YC91003	April 28, 2019
205-S 227	YC91005-YC91027	April 28, 2019
229-S 230	YC91029-YC91030	April 28, 2019
233-S 257	YC91033-YC91057	April 28, 2019
260-S 283	YC91060-YC91083	April 28, 2019
286-S 309	YC91086-YC91109	April 28, 2019
311	YC91111	April 28, 2019
314-S 339	YC91114-YC91139	April 28, 2019
341	YC91141	April 28, 2019
343-S 368	YC91143-YC91168	April 28, 2019
371-S 394	YC91171-YC91194	April 28, 2019
415-S 434	YC91215-YC91234	April 28, 2019
459-S 476	YC91259-YC91276	April 28, 2019
503-S 516	YC91303-YC91316	April 28, 2019
545-S 556	YC91345-YC91356	April 28, 2019
585 -S 594	YC91385-YC91394	April 28, 2019
625-S 632	YC91425-YC91432	April 28, 2019
634	YC91434	April 28, 2019
667-S 672	YC91467-YC91472	April 28, 2019
707-S 710	YC91907-YC91910	April 28, 2019
747-S 748	YC91947-YC91948	April 28, 2019

* Expiry dates include 2011 work which has been filed for assessment credit but not yet accepted.

The property lies 100 km northeast of Mayo, the nearest supply centre. The closest road access is to the community of Keno City, situated about 49 km by road northeast of Mayo and 55 km by air southwest of the property. Mayo and Keno City can be reached in all seasons by two wheel drive vehicles using the Yukon highway system. The Wind River trail is also accessible via the Yukon highway system from McQuesten Lake near Keno City and passes within 1.5 km of the Ocelot Showing. This winter trail has been used intermittently by various exploration companies since it was built in the late 1960s.

In 2011, access to the property and daily logistical support were accomplished using a Bell 206L4 helicopter based on the property and operated by Fireweed Helicopters Ltd. of Whitehorse. A camp located at the Tiger Zone, 14.5 km to the southeast, served as a staging area and as a base of operations. A gravel airstrip is located at the confluence of the Beaver and Rackla rivers, 21 km to the southwest of the showing.

EXPLORATION HISTORY

The Rackla Gold project covers an extensive land package with the earliest reported activity dating back to the early 1920's following the discovery of silver mineralization at Keno Hill.

However, no work has been reported over the Ocelot Showing until 1977 when Prism Joint Venture (Asamera Oil Corp, Chieftain Development Company Limited, Prism Resources Ltd, Siebens Oil & Gas Limited and E & B Exploration Limited) conducted mapping, soil sampling and electromagnetic surveys over the showing. Numerous samples from that program returned high zinc-in-soil values ranging from 2100 ppm to 12.2%. One sample collected from a large gossan (Ocelot Showing) yielded 3.8 g/t silver, 800 ppm lead and 12.2% zinc (Montgomery and Cavey, 1978), suggesting the metals were leached and remobilized in acidic groundwater before being reprecipitated when the fluids were neutralized. These promising results were not followed up.

In 2006, ATAC's interest in the area was prompted by an isolated, high gold value (150 ppb) reported by a regional-scale stream sediment geochemical survey, conducted by the Geological Survey of Canada (Hornbrook, et al 1990). This value is in the 99th percentile of gold results from the survey and is supported by a 99th percentile tungsten value (25 ppm). The sample was collected near the Rackla Pluton, 17 km southeast of the Ocelot Showing.

In the summer of 2008, ATAC conducted geological mapping, prospecting, soil and stream sediment geochemical sampling, diamond drilling and property-wide helicopter-borne magnetic variable time-domain electromagnetic (VTEM) surveys across the Rau property, now referred to as the Rau Trend, the western portion of the Rackla Gold project. Drilling identified three stacked, gold-bearing horizons in what is now known as the Tiger Zone, located 14.5 km southeast of the Ocelot Showing. The central horizon (Discovery Horizon) contains gold in iron carbonate replacement and hosts the most abundant mineralization. Property wide geophysical and geochemical surveys completed later in the season suggested the trend extends for as much as 22 km (Dumala, 2009). In response to positive results, ATAC added additional claims to cover the favourable stratigraphy along the anomalous trend. This staking extended over the Ocelot Showing.

In 2009, ATAC continued to delineate the Tiger Zone and identified a significant oxide component to the northwest, within the Tiger Zone (Dumala and Lane, 2010).

In 2010, ATAC conducted property wide ZTEM (Z-Axis tipper electromagnetic) and aeromagnetic geophysical surveys over the Rau property. These surveys further delineated the trend hosting the Tiger Zone. In addition to the airborne surveys, grid sampling, and ground gravity and IP surveys were completed over the Ocelot Showing in advance of diamond drilling.

A total of 1133.46 m of drilling in 5 holes at the Ocelot Showing targeted ground gravity and IP anomalies uphill from the transported gossan.

GEOMORPHOLOGY

The Ocelot Showing is located within a low lying vegetated valley bottom adjacent to the Beaver River, which is part of the Yukon River watershed. Local topography is subalpine and features a gentle hill on the valley floor with east-west trending rocky spurs to the north of the drill area. Elevations range from 708 m alongside the Beaver River to 878 m atop a small rise to the west of the drill area.

The property is located below treeline and is well treed with mature black spruce. Understorey typically consists of low shrubs and moss. The flat lying areas at the base of the main hill are marshy and standing water is common.

GEOLOGY

Regional Geology

The Geological Survey of Canada performed geological mapping in the vicinity of the Rau property at 1:250,000 scale in the 1960s (Green, 1972) and 1970s (Blusson, 1978). More recent mapping in the area was completed at 1:50,000 scale by Indian and Northern Affairs Canada (Abbott, 1990 and Roots, 1990).

The Rau property lies within a band of regional-scale thrust and high angle reverse faults that imbricate rocks of Selwyn Basin and Mackenzie Platform (Figure 3). Selwyn Basin stratigraphy consists of regionally metamorphosed, basinal sediments of Neoproterozoic to Paleozoic age. Mackenzie Platform stratigraphy comprises dominantly shallow water carbonate and clastic sediments that were deposited from Mid-Proterozoic through Paleozoic times. Both packages of sediments were deposited on the western margin of ancestral North America.

The thrust faults were active during Jurassic to Cretaceous times (160 to 130 Ma), when the area underwent compressional orogenesis related to large-scale plate convergence (Fingler, 2005). During Late Cretaceous (94-90 Ma), intermediate to felsic plutons of the Tombstone Suite were emplaced (Mortensen et al, 2000). Another compressional orogenic event, which occurred about 65 Ma, was accompanied by emplacement of felsic intrusions assigned to the McQuesten Suite.

Figure 4 shows regional geology in central Yukon. It is a geological compilation that takes into account recent age dating and new unit correlations, which Charlie Roots prepared for the Yukon Geological Survey (Cathro, 2006).

The Tombstone, Dawson and Robert Service thrust faults plus a number of lesser thrust faults affect stratigraphy along the Rackla Gold Property. All thrusts verge northeasterly and predate emplacement of the Tombstone Suite intrusions. The thrust panel that contains the Rau Trend approximately straddles the boundary between Selwyn Basin and Mackenzie Platform and includes units belonging to both tectonic elements.

Table I contains a brief summary of the main lithologies in the area of the Rau Trend.

Table I: Regional Lithological Units (after Roots in Cathro, 2006)

<u>Tectonic Element</u>	<u>Age (Ma)</u>	<u>Unit and Lithologies</u>
<u>Rocks of Ancestral North America</u>		
Mackenzie Platform	1700 - 1800	Gillespie Lake Group: orange-brown dolostone and sandstone.

ATAC RESOURCES LTD.

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

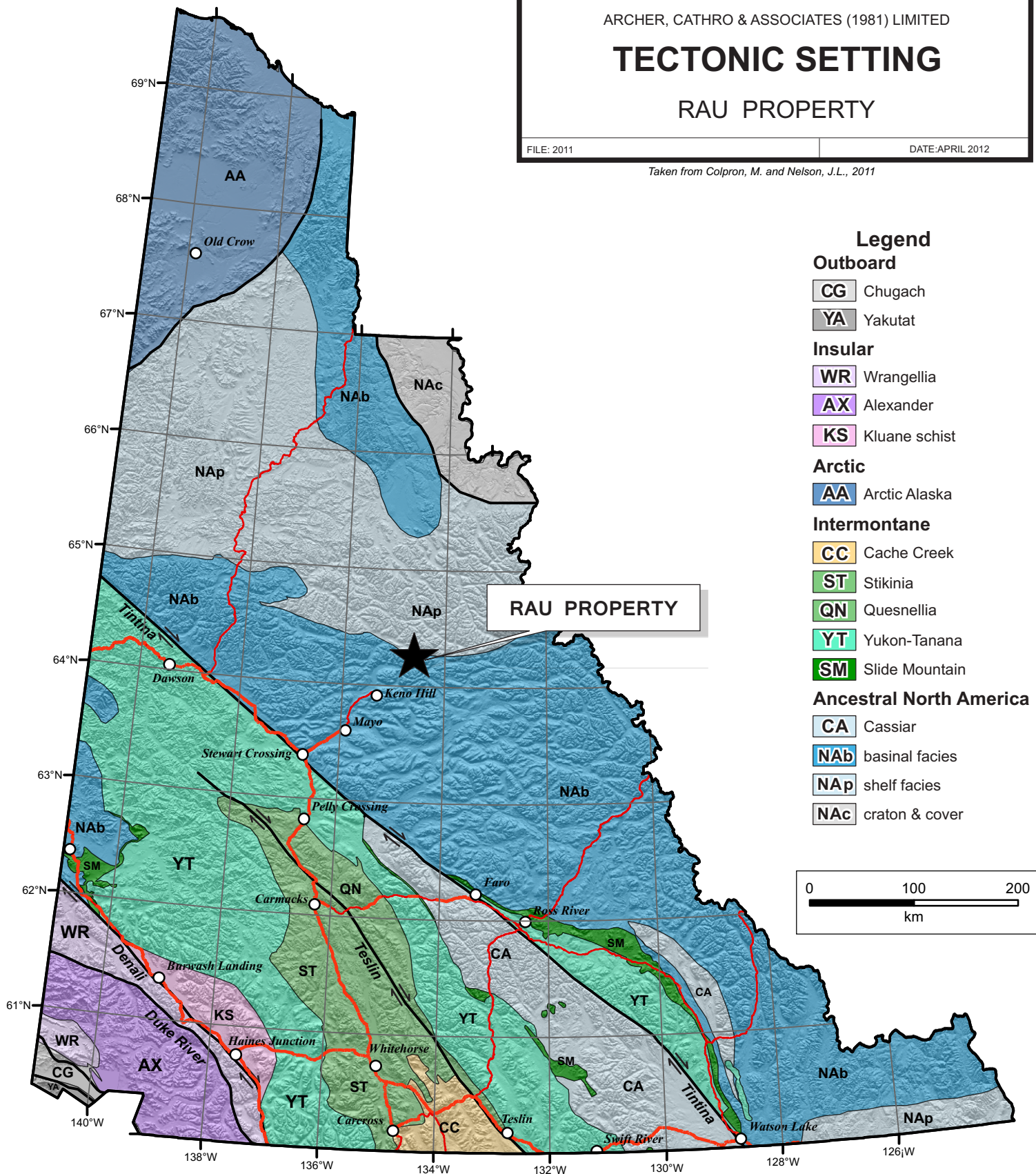
TECTONIC SETTING

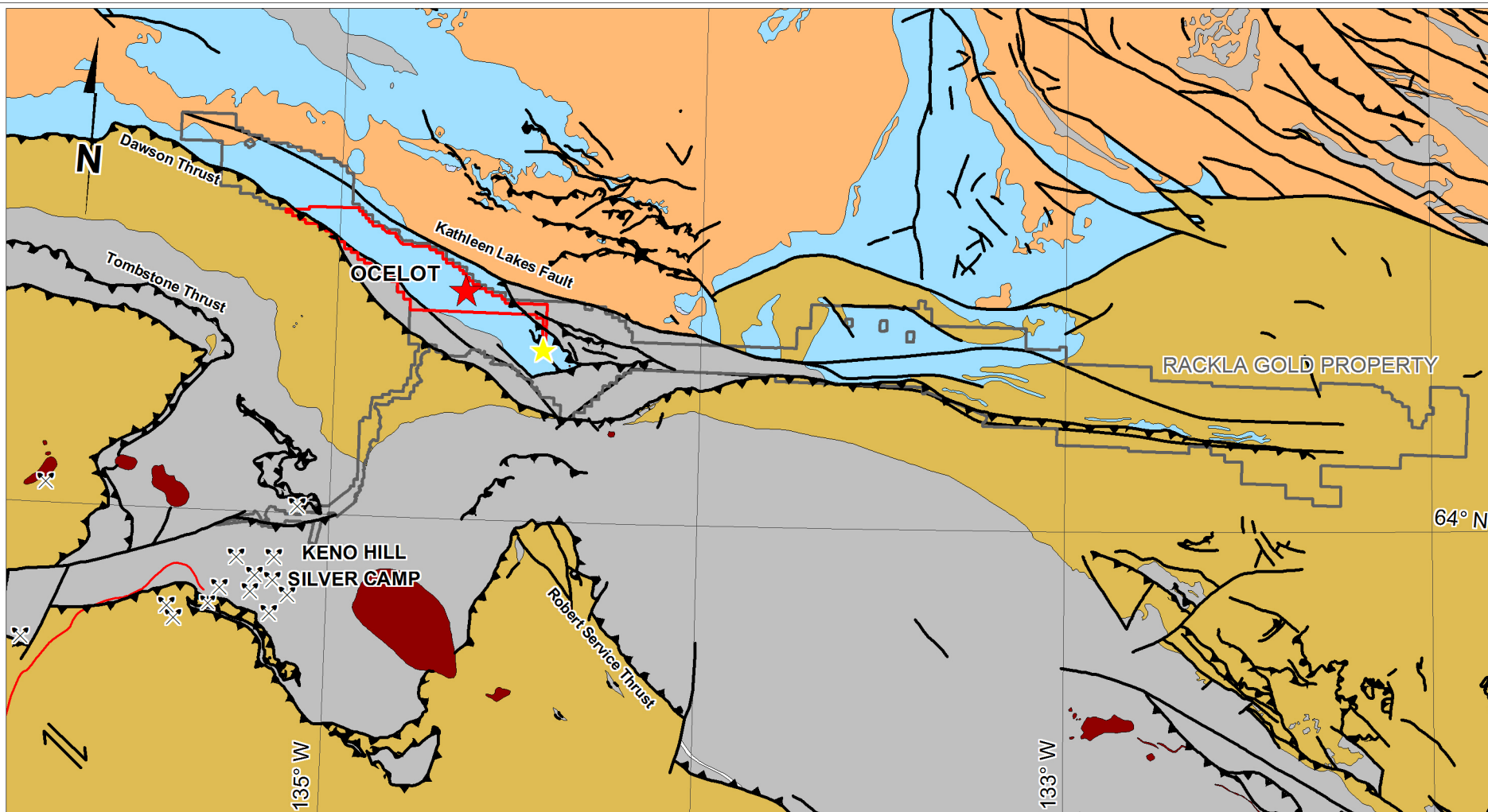
RAU PROPERTY

FILE: 2011

DATE: APRIL 2012

Taken from Colpron, M. and Nelson, J.L., 2011





 Tombstone Suite Intrusions	 Former mine
 Earn Group	 High angle fault
 Bouvette Formation	▴ Thrust fault
 Hyland Group	▴ Major transcurrent fault
 Proterozoic Sediments	 Road
	 Tiger Zone

Modified from: Gordey and Makepeace (2001)

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
FIGURE 4

REGIONAL GEOLOGY

OCELOT TARGET - RACKLA GOLD PROJECT

0 50 km

FILE:2011/RAU/OCELOT/F_4-REGIONAL.wor

DATE: APRIL 2012

Mackenzie Platform	540 - 390	Bouvette Formation: white and grey limestone with rare black shale.
Mackenzie Platform	540 - 420	Marmot Formation: dark green to brown mafic, vesicular and amygdaloidal volcanic flows.
Selwyn Basin	750? - 530	Hyland Group: brown quartz-mica schist, with rare limestone.
Selwyn Basin	530 - 500	Gull Lake Formation: brown and green shale, sandstone, conglomerate and volcanic tuff.
Selwyn Basin	500 - 480	Rabbitkettle Formation: dark silty limestone and limy mica-rich conglomerate.
Selwyn Basin	480 - 390	Road River Group: black shale, chert and limy siltstone.

Rock formed before orogenic event

390 - 350	Earn Group: black shale and chert with lesser pebble conglomerate, sandstone and grit.
340	Keno Hill Quartzite: grey metamorphosed sandstone, minor black shale and phyllite.

Rocks formed during orogenic event

225	Galena Suite intrusions: brown and green diorite and gabbro.
200 - 250	Jones Lake and Mt. Christie Formations: sandstone, brown shale and dark limestone.

Rocks formed after orogenic event

90 - 94	Tombstone Suite intrusions: granite and granodiorite.
62 - 67	McQuesten Suite intrusions: granite with two types of mica.

Sediments younger than 3 Ma

0 - 3	Overburden: ice-deposited sand and gravel; river silt.

Property Geology

No detailed geological mapping has been conducted over the Ocelot Showing. Most work has focused within the favourable Bouvette Formation stratigraphy in close proximity to the nearby Tiger Zone mineralization. The following descriptions are taken largely from previously documented government and historical mapping.

The Rau Trend lies within a northwest trending thrust package bound to the south by the Dawson Thrust and to the north by the Kathleen Lakes Fault. Stratigraphy within this package forms

open folds that are aligned parallel to the thrusts and plunge gently to the southeast. Several high angle faults, which parallel the general structural trend, are inferred on the property and others could be present.

The **Bouvette Formation** is the most abundant inferred rock type shown on government based maps and is the principal focus of ATAC's exploration in the region. It can be divided into three main units which young to the northeast. In order from oldest to youngest:

- 1) **Cambrian and Ordovician** – massive pale grey dolostone, oncolitic dolostone, minor quartzite and sandy dolostone.
- 2) **Ordovician and/or Silurian** – thin to medium bedded grey and buff weathering silty limestone; massive white limestone, well bedded tan and grey limestone in the upper part of the unit.
- 3) **Silurian and Devonian** – thick bedded to massive light grey dolostone and limestone. Dark grey, fetid limestone containing “two hole” and “star” crinoids at the top of the unit.

The thickness of the Bouvette Formation on the property is estimated to be at least 1400 m. The primary focus of mapping has been largely limited to the area around Monument Hill and the Tiger Zone within the Ordovician-Silurian strata hosting carbonate gold replacement mineralization. Elsewhere the Bouvette Formation has not been mapped in detail and remains undifferentiated.

A narrow sliver of Middle Proterozoic **Fifteen Mile Group** dolostone lies beneath the Bouvette Formation, to the southwest. This unit is composed of chocolate to orange brown weathering, cryptalgal laminated, medium to thick bedded dolostone, overlain by rusty brown weathering, olive green siltstone and shale with lesser maroon black and buff shale.

The **Marmot Formation** consists of thin volcanic horizons that are interbedded with the Ordovician and/or Silurian Bouvette Formation. The horizons range from a few metres to about 20 m thick and comprise dark green to brown weathering mafic, vesicular volcanic flows, carbonate-cemented hyaloclastic breccias and volcanic-derived sandstone, grit and pebble and cobble conglomerate. Locally these horizons are magnetic. Although the Marmot Formation is volumetrically insignificant, it appears to have played an important role in localizing mineralization in the underlying carbonate by acting as an impermeable cap.

Devonian and Mississippian **Earn Group** is located in the southern half of the property and bounds the Bouvette Formation to the south, east and north. This unit is generally recessive weathering and is mostly composed of black shale and chert. To the south a high angle normal fault places Earn Group against Bouvette Formation, while a thrust fault marks the southeastern contact. To the north, the Earn Group conformably lies above Cambrian to Devonian shale and limestone, which has been placed against the Bouvette Formation by another high angle fault.

The central part of the property hosts numerous dykes and sills believed to represent a roughly 1000 m diameter granitic plug referred to as the “**Rackla Pluton**”. The plug is mostly composed of coarse grained, equigranular, biotite-and muscovite-bearing granite that is locally miarolitic (Panton 2008). The dykes and sills typically range between 30 cm and 7 m in thickness. They are often more fractionated than the plug and include garnet bearing aplite and coarse pegmatite that locally features beryl, amazonite (a green variety of feldspar) and one or more tourmaline minerals (rubellite, indigolite and schorl). The pegmatite bodies comprise mainly orthoclase and quartz but often exhibit abundant lithium-and vanadium-rich micas on their margins.

On surface, the Rackla Pluton is mostly covered by glacial till and only aplite and pegmatite sills and dykes are visible. The pluton is best delineated by its airborne magnetic signature. At the property scale the pluton is represented by a strong magnetic high. When the data is collapsed to the area immediately surrounding the pluton and a high-pass filter is applied, the signature shows a core magnetic low with a fringing magnetic high.

Analysis of several small bodies of granitic aplite and pegmatite have yielded $^{40}\text{Ar}/^{39}\text{Ar}$ muscovite ages of 62.3 ± 0.7 Ma, 62.4 ± 1.8 Ma and 59.1 ± 2.0 Ma (Kingston, 2009 and Kingston et al., 2010). Based on this data and the composition of the intrusion, Kingston concludes that the Rackla Pluton does not likely belong to the McQuesten Suite (65.2 ± 2.0 Ma).

Skarn and minor hornfels are developed locally within the Bouvette Formation proximal to the intrusions. Skarn grades from distal tremolite-rich (iron-deficient) facies, which are most abundant near the Flat Top Showing (about 1000 m northwest of the pluton), to proximal actinolite-diopside $\pm$ garnet $\pm$ pyrrhotite (iron-rich) facies, which are found closer to the pluton and on the margins of some dykes and sills. Massive skarns are mostly developed at contacts between limestone and volcanoclastic horizons. Hornfels is restricted to thin volcanoclastic layers within the Marmot Formation. It is normally rusty weathering and often contains disseminated to semi-massive pyrrhotite. Limestone and dolomite are locally altered to marble and often contain disseminated, light grey scapolite crystals. The scapolite is difficult to recognize on freshly broken surfaces but stands out on weathered surfaces as prismatic randomly orientated crystals.

MINERALIZATION

The Ocelot Showing (originally referred to as EL) was first identified by Prism in 1977. The showing is marked by a 110 m long by 25 m wide gossan, which formed by the precipitation of iron oxides containing silver, lead and zinc from solutions traveling along fractures. The gossan has a northwest orientation and parallels an adjacent topographic linear feature. The showing is most pronounced in a kill zone to the northwest, which originates at a weakly flowing spring.

The gossan is predominately dolomite rubble cemented by iron oxides and is surrounded by buff to orange weathering dolomite and limestone. Soil samples collected by Prism returned peak values of 3.8 g/t silver, 800 ppm lead and 12.2% zinc.

The only significant mineralization intersected by drilling in 2010 was in hole OC-10-01, which yielded 4.23 m grading 552 g/t silver, 14.5% lead and 34.3% zinc from 49.12 m to 53.35 m (Dumala, 2011).

DIAMOND DRILLING

General

Drilling was done between April 27 and July 10 and was contracted to Superior Diamond Drilling of Kelowna, BC. The work was completed with a helicopter portable B-15 diesel-powered drill using HQ3 equipment. A total of 3784.75 m of diamond drilling were completed in 19 holes.

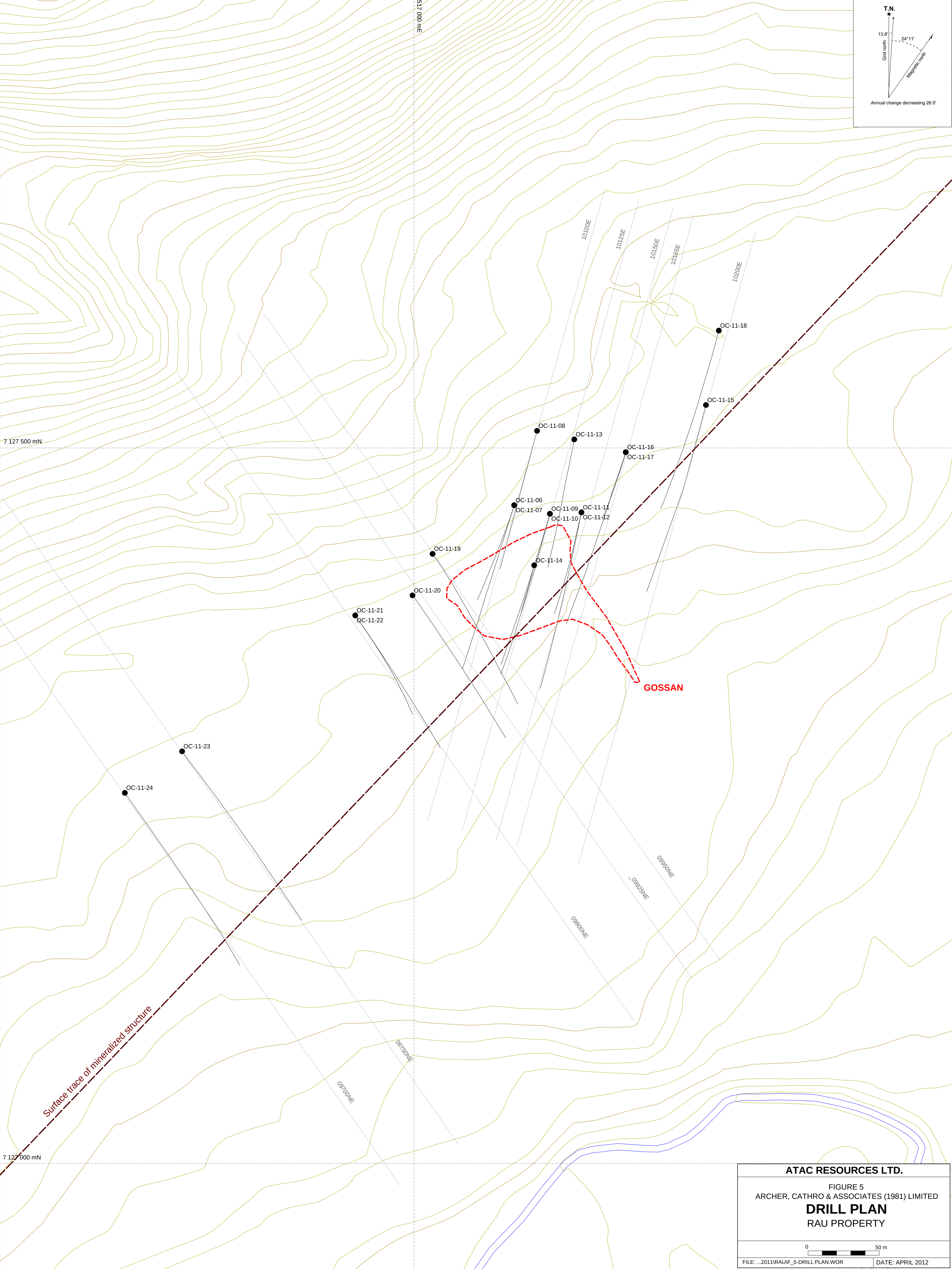
All of the holes were designed to test under and around the natural spring gossan identified by Prism in 1977. Drill hole locations are plotted on Figure 5 while individual sections are shown on Figures 6 to 15.

Timber framed drill sites were constructed by hand with minimal disturbance to the ground cover. Drill sites that were no longer needed were deconstructed and the timbers used elsewhere. Collars are clearly marked with logs placed into the hole and wrapped with flagging. Drill data for the holes is listed in Table II.

Table II: Drill Hole Data

Hole	Easting	Northing	Elev. (m)	Azimuth	Angle	Depth (m)
OC-11-06	517070	7127460	755	195	-50	193.55
OC-11-07	517070	7127460	755	195	-70	222.51
OC-11-08	517086	7127512	758	195	-70	301.76
OC-11-09	517095	7127454	753	195	-70	216.41
OC-11-10	517095	7127454	753	195	-50	172.21
OC-11-11	517117	7127455	755	195	-50	196.60
OC-11-12	517117	7127455	755	195	-70	231.65
OC-11-13	517112	7127506	755	195	-65	217.93
OC-11-14	517084	7127418	753	195	-50	121.31
OC-11-15	517204	7127530	746	195	-50	201.17
OC-11-16	517148	7127497	752	195	-50	191.11
OC-11-17	517148	7127497	752	195	-70	137.16
OC-11-18	517213	7127582	763	195	-50	195.07
OC-11-19	517013	7127426	756	145	-50	182.88
OC-11-20	516999	7127397	752	145	-50	176.79
OC-11-21	516959	7127383	753	145	-50	166.12
OC-11-22	516959	7127383	753	145	-70	227.69
OC-11-23	516838	7127288	749	145	-50	220.98
OC-11-24	516798	7127259	751	145	-50	211.84

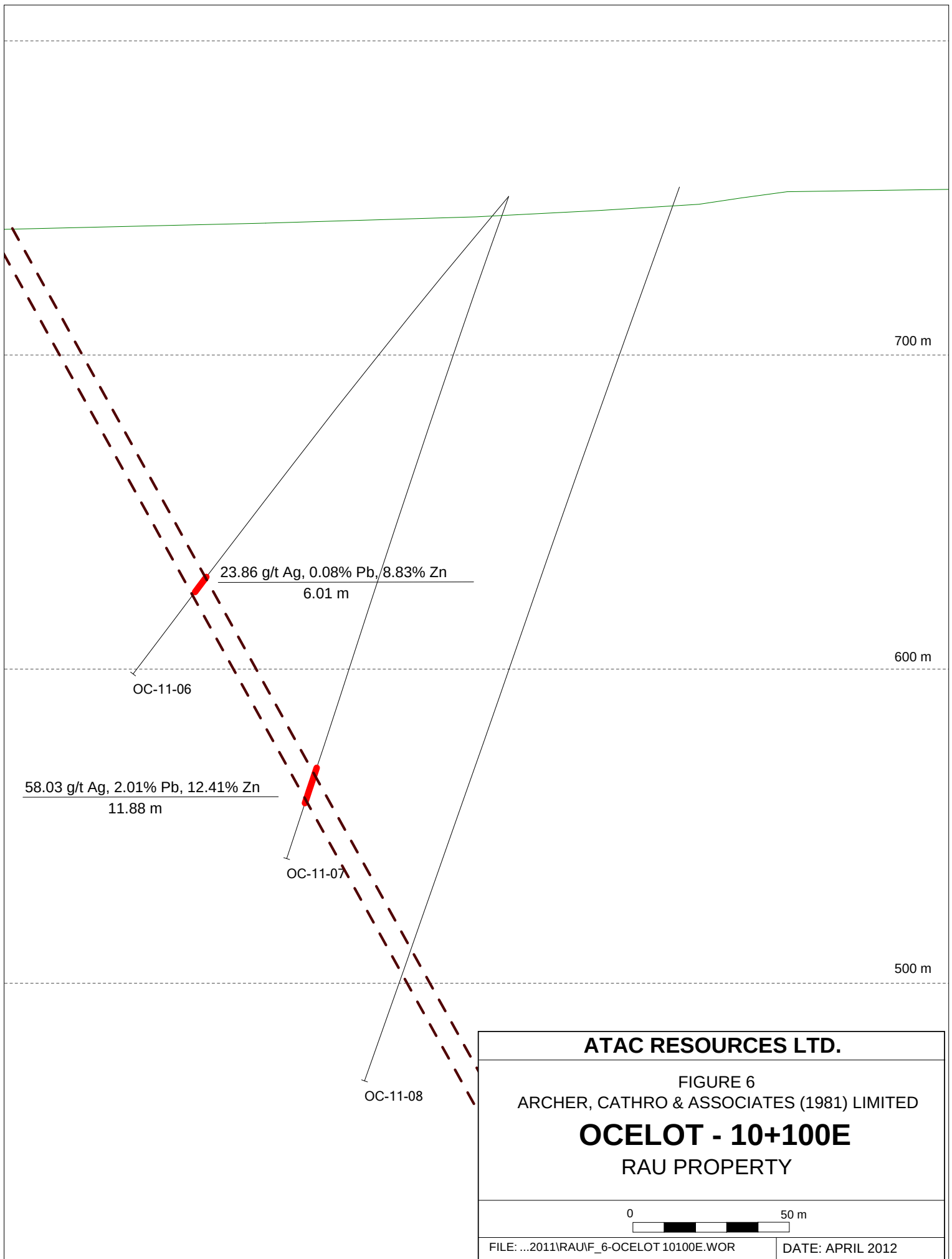
Core was transported by helicopter from the drill sites to a logging area on the property, where recovery was measured and geological and geotechnical logging was performed. Geologically and mineralogically favourable intervals from each hole were split with one-half bagged and sent for analysis and the other half returned to the core box. All of the core is stored on the property. Appendix II contains the geological and geotechnical logs.

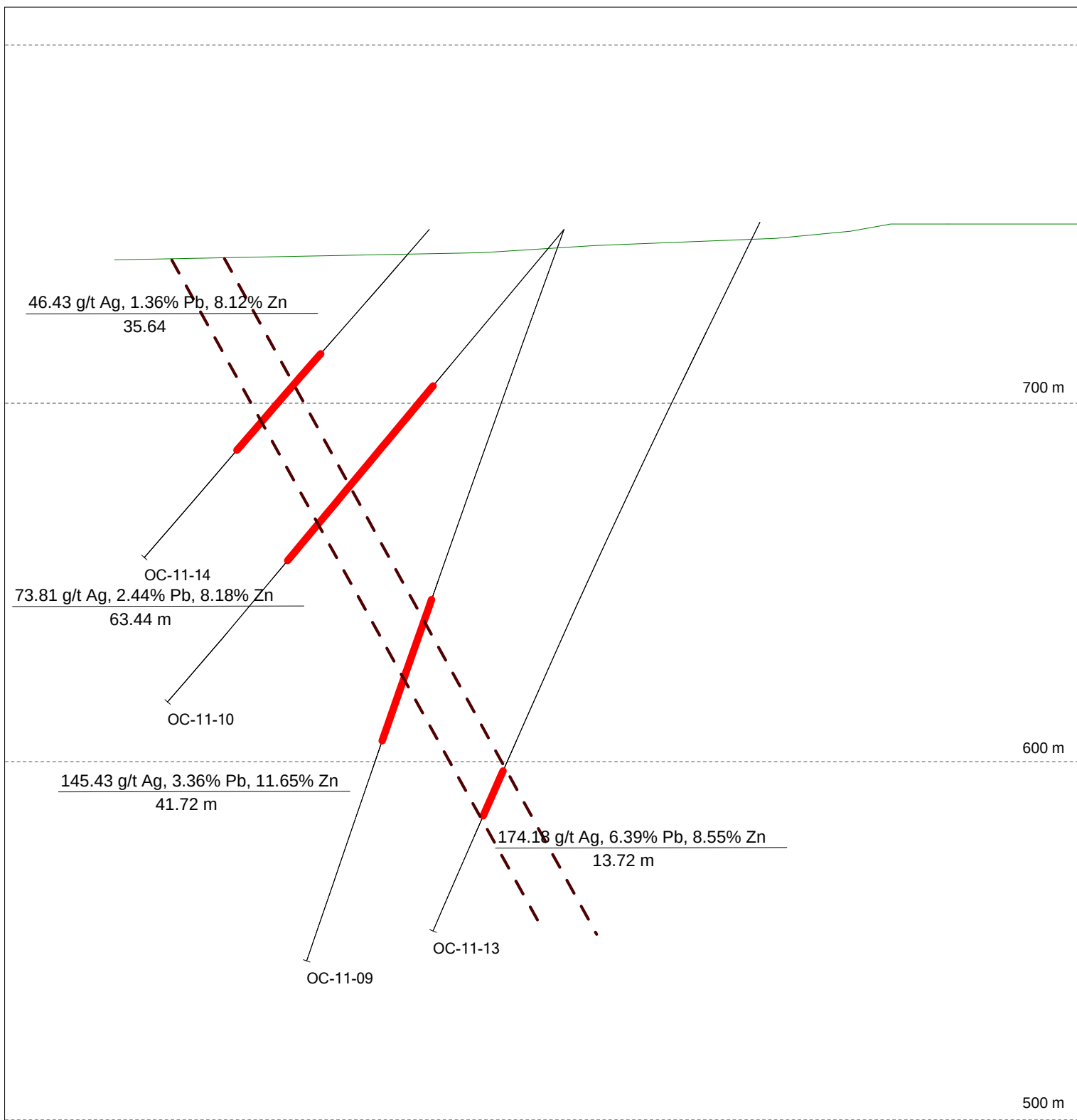


ATAC RESOURCES LTD.

FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL PLAN
RAU PROPERTY



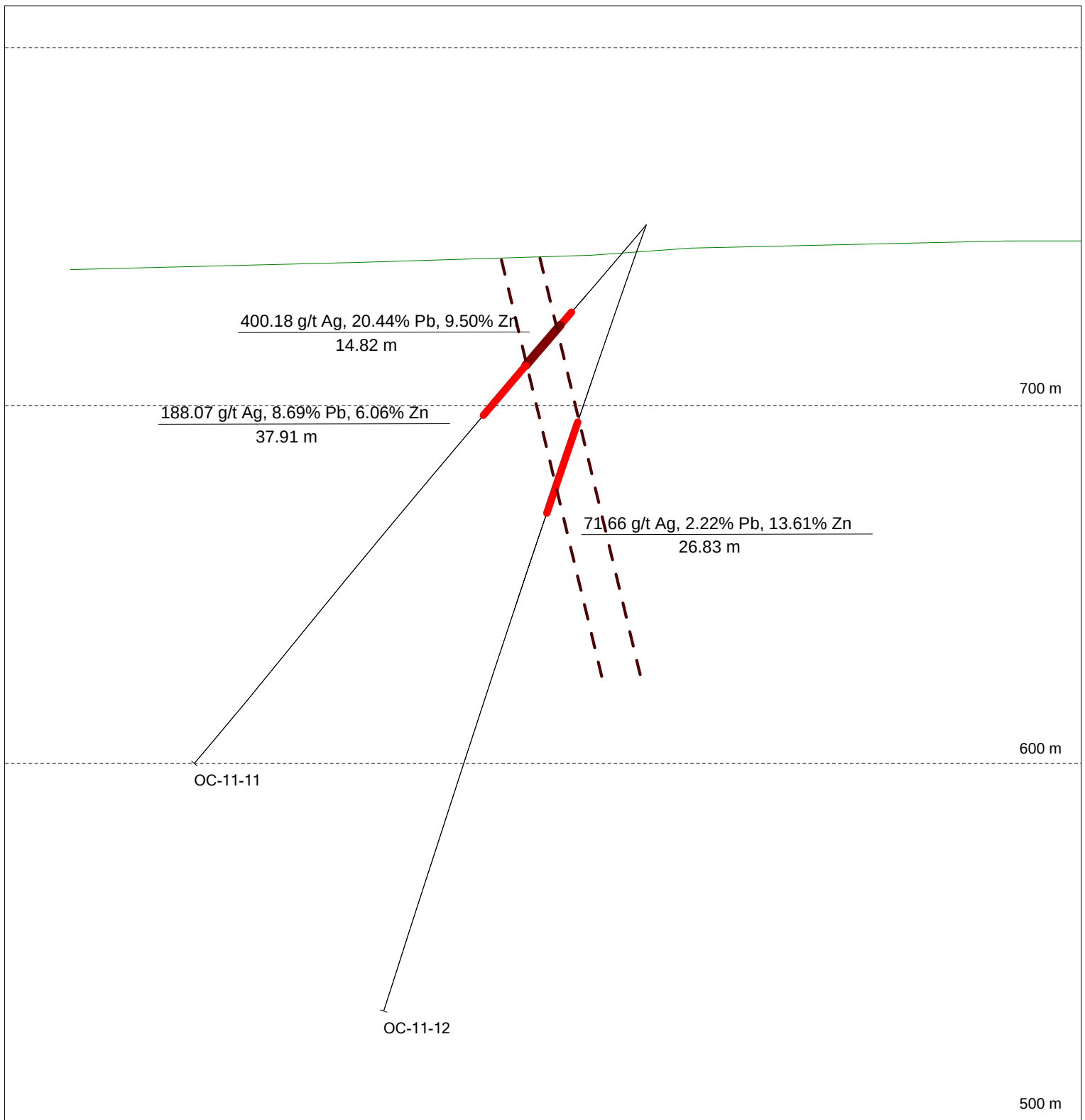




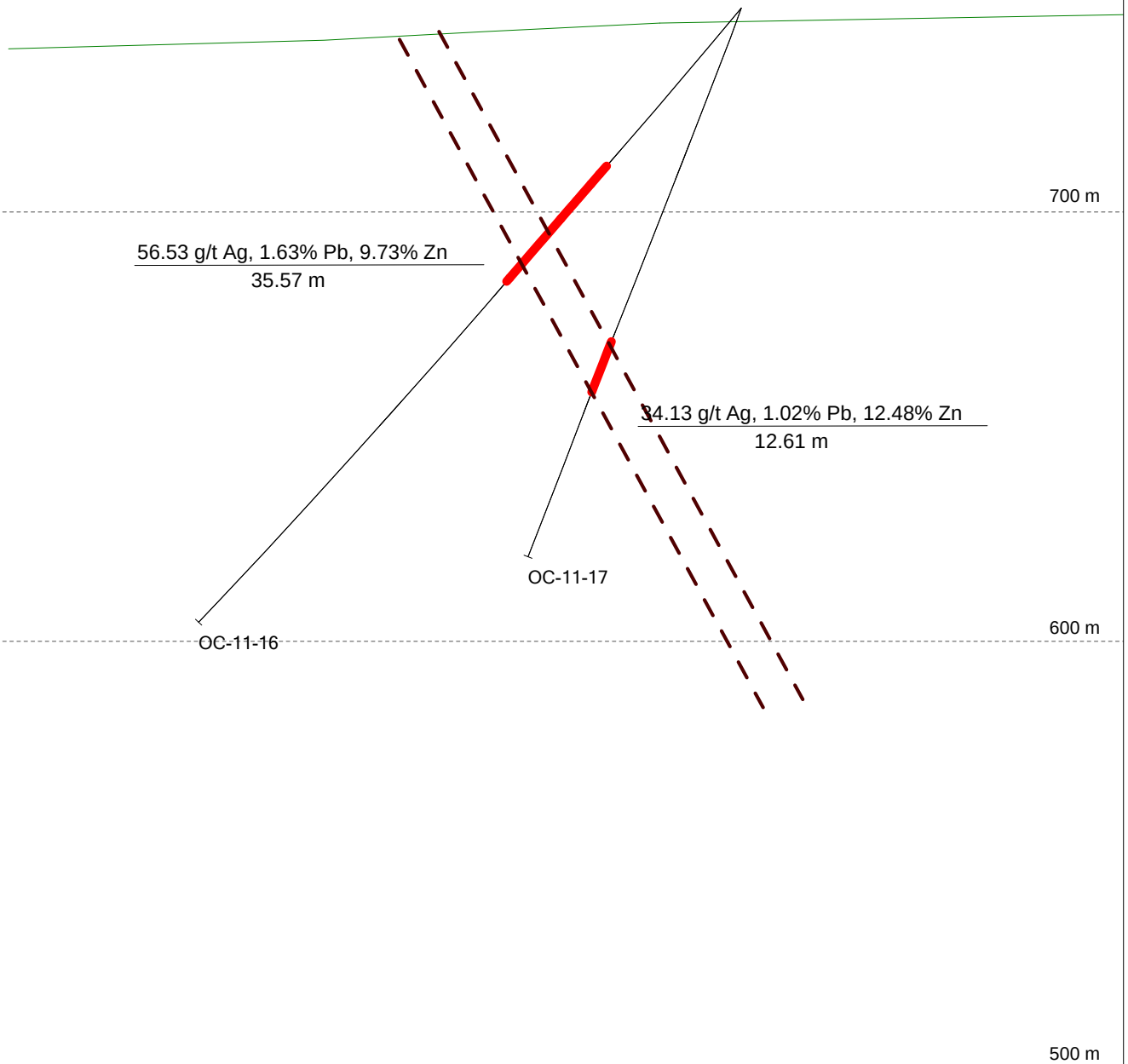
ATAC RESOURCES LTD.

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
OCELOT - 10+125E
RAU PROPERTY





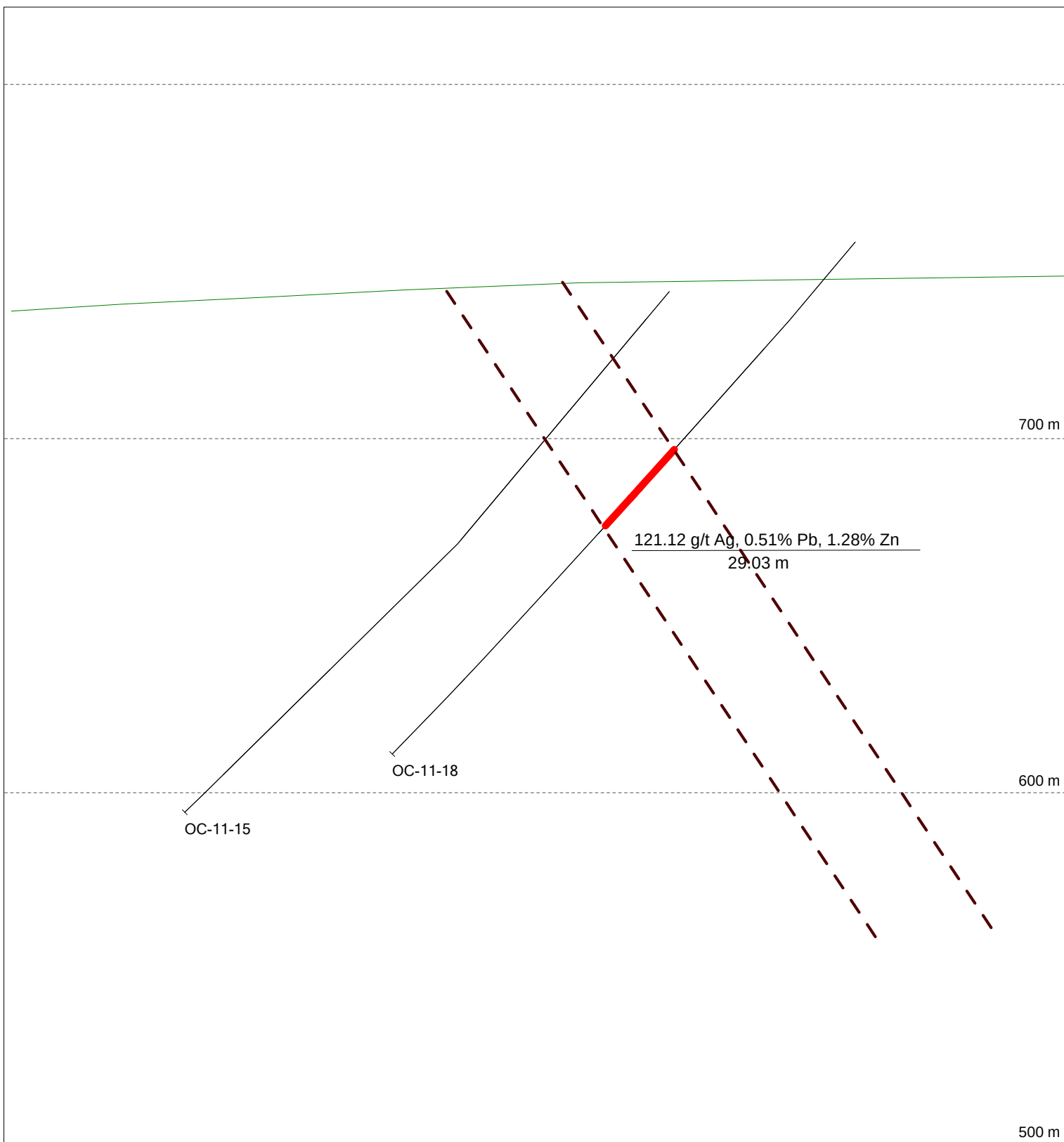
ATAC RESOURCES LTD.	
FIGURE 8 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
OCELOT - 10+150E RAU PROPERTY	
0 50 m	
FILE: ...2011\RAUF_8-OCELOT 10150E.WOR	DATE: APRIL 2012



ATAC RESOURCES LTD.

FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

OCELOT - 10+165E
RAU PROPERTY



ATAC RESOURCES LTD.

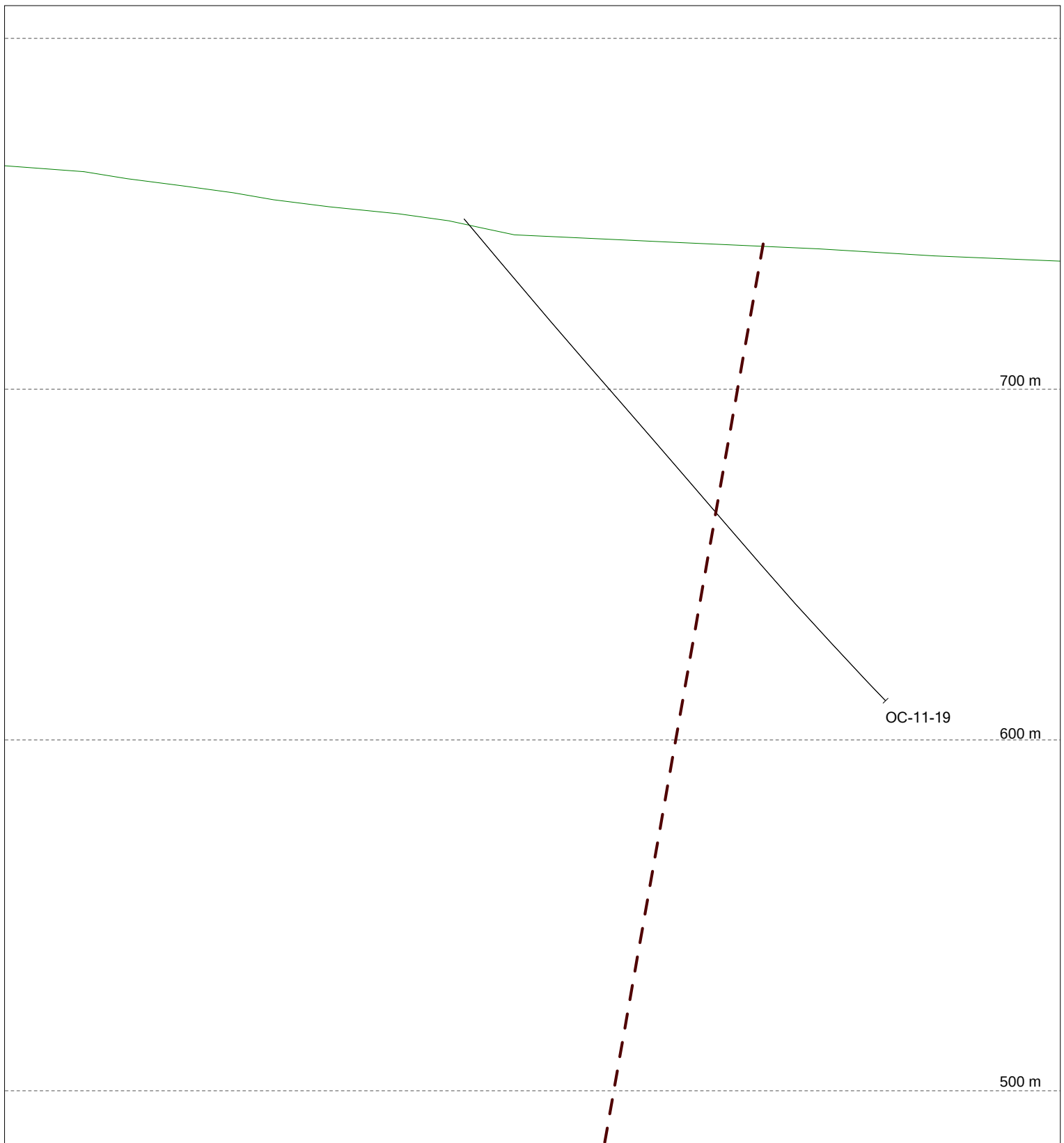
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

OCELOT - 10+200E
RAU PROPERTY



FILE: ...2011\RAUF_10-OCELOT 10200E.WOR

DATE: APRIL 2012



ATAC RESOURCES LTD.

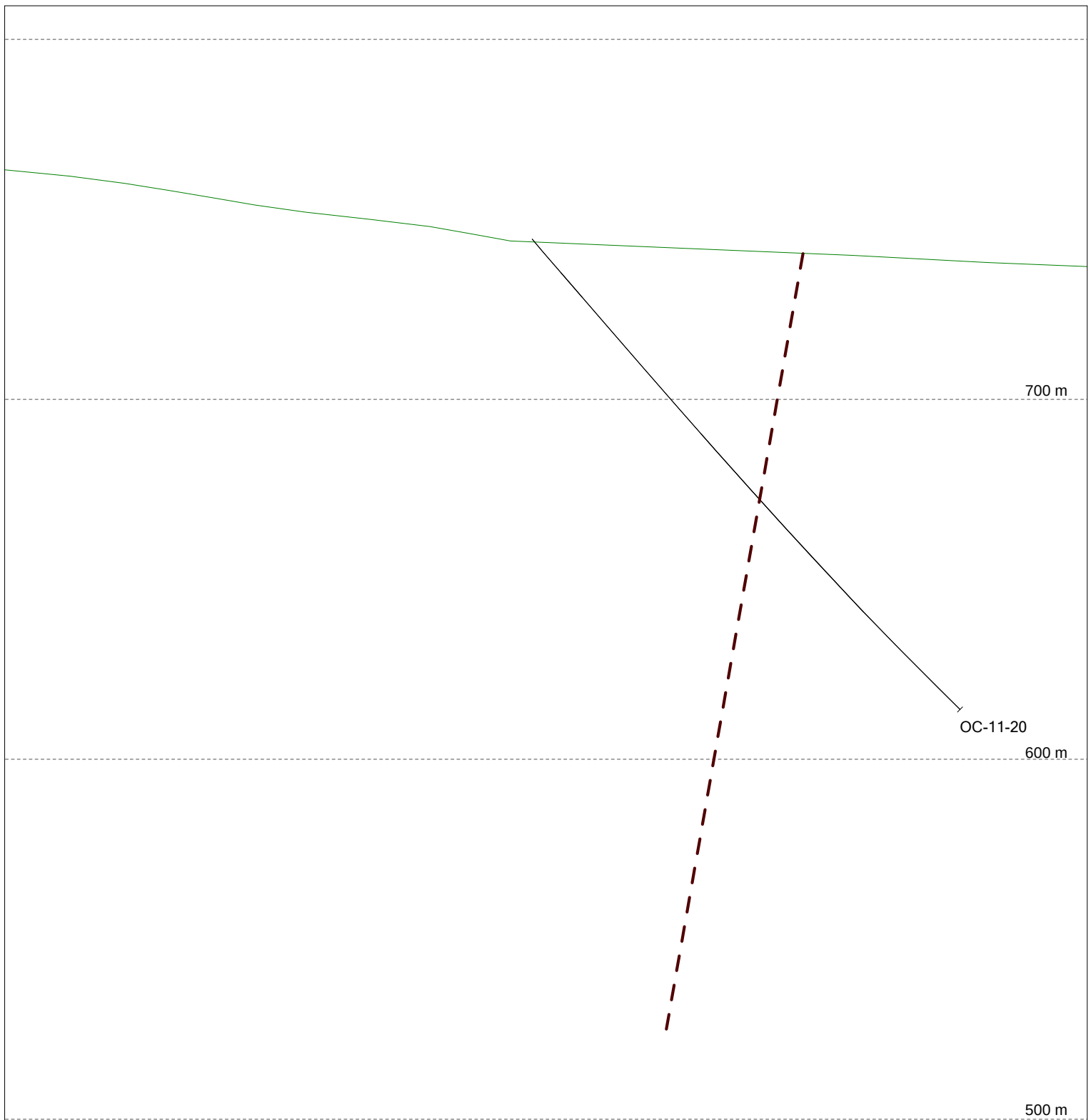
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

OCELOT - 09+950NE
RAU PROPERTY



FILE: ...2011\RAUF_11-OCELOT 09950NE.WOR

DATE: APRIL 2012



ATAC RESOURCES LTD.

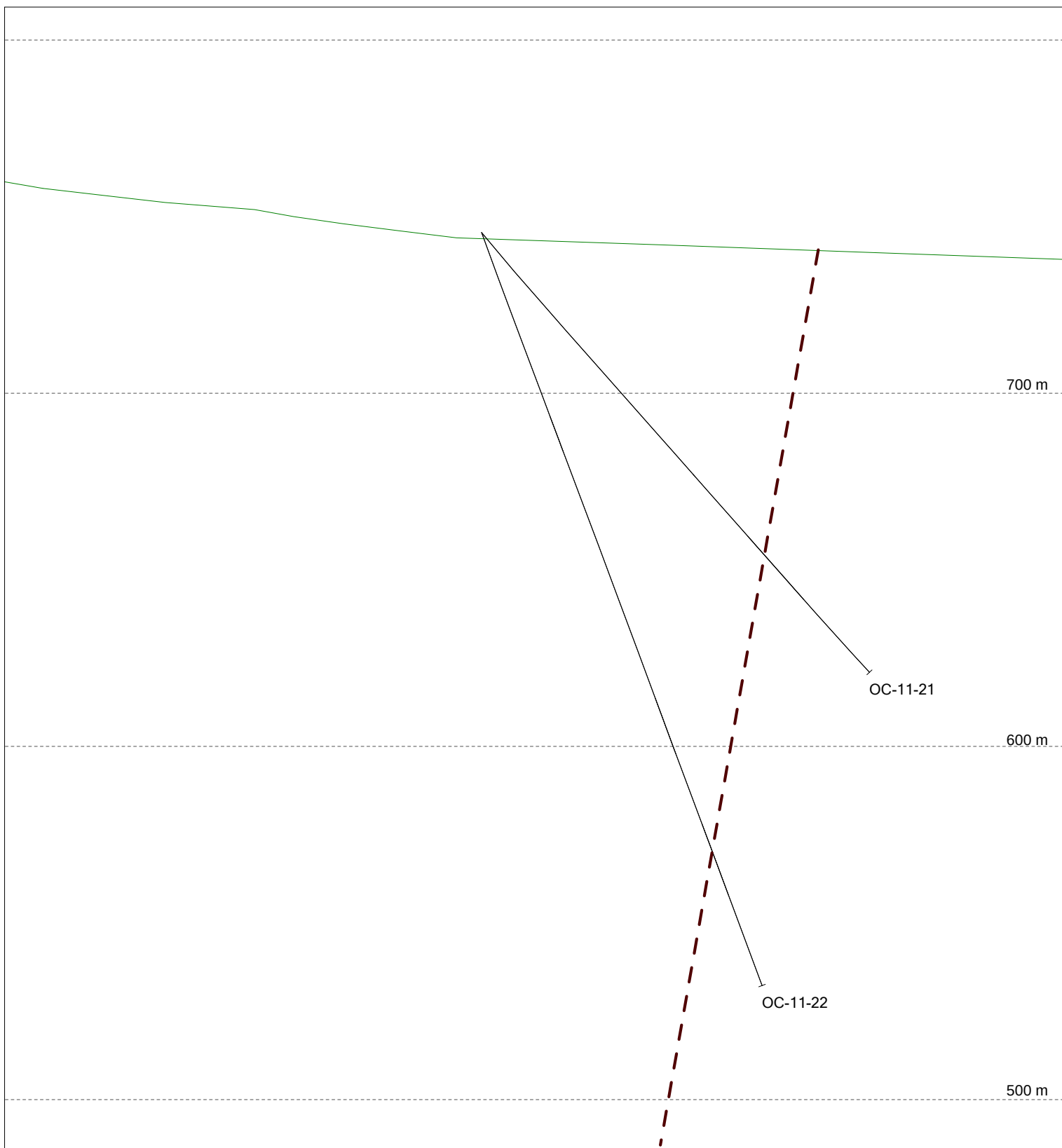
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

OCELOT - 09+925NE
RAU PROPERTY



FILE: ...2011\RAUF_12-OCELOT 09925NE.WOR

DATE: APRIL 2012



ATAC RESOURCES LTD.

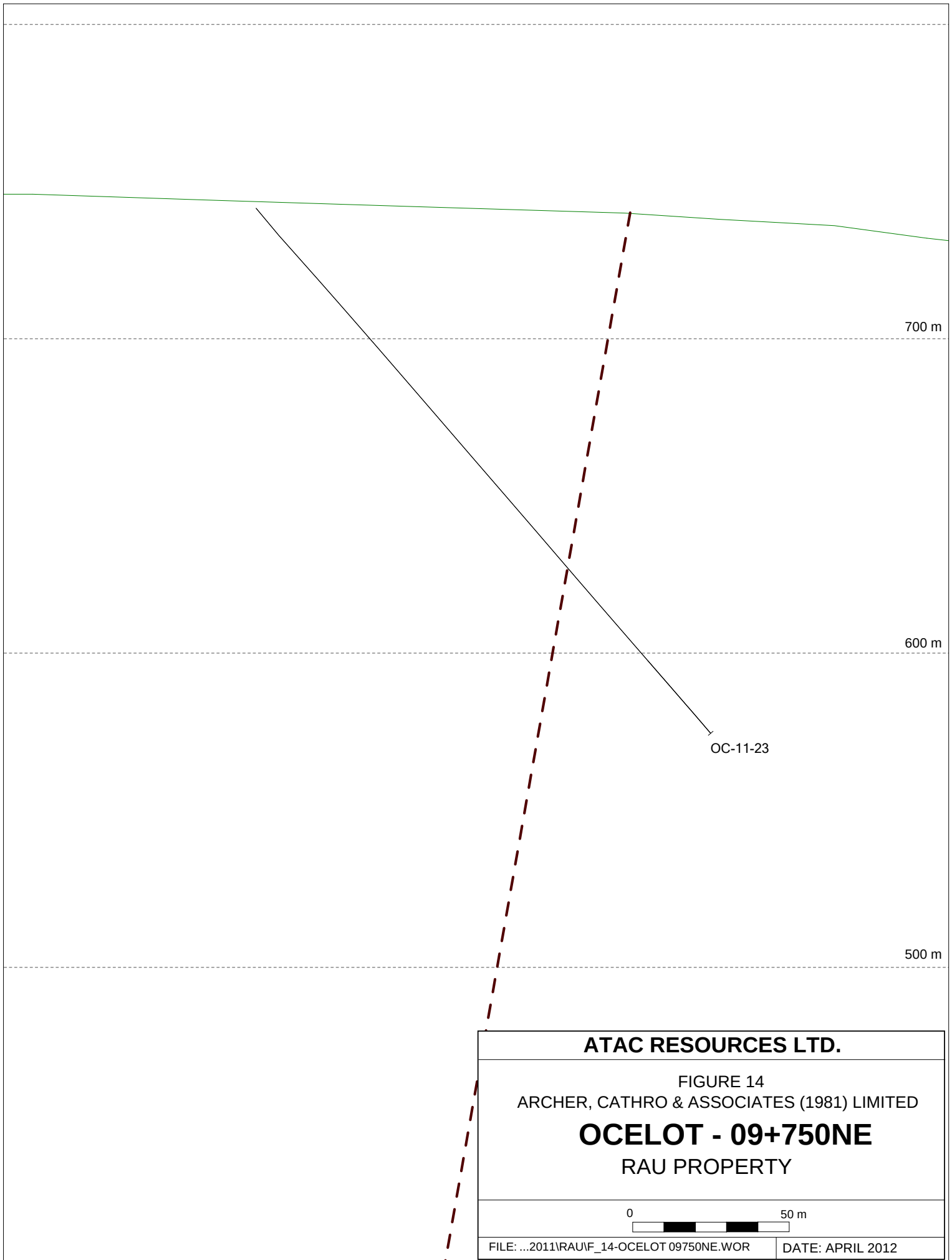
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

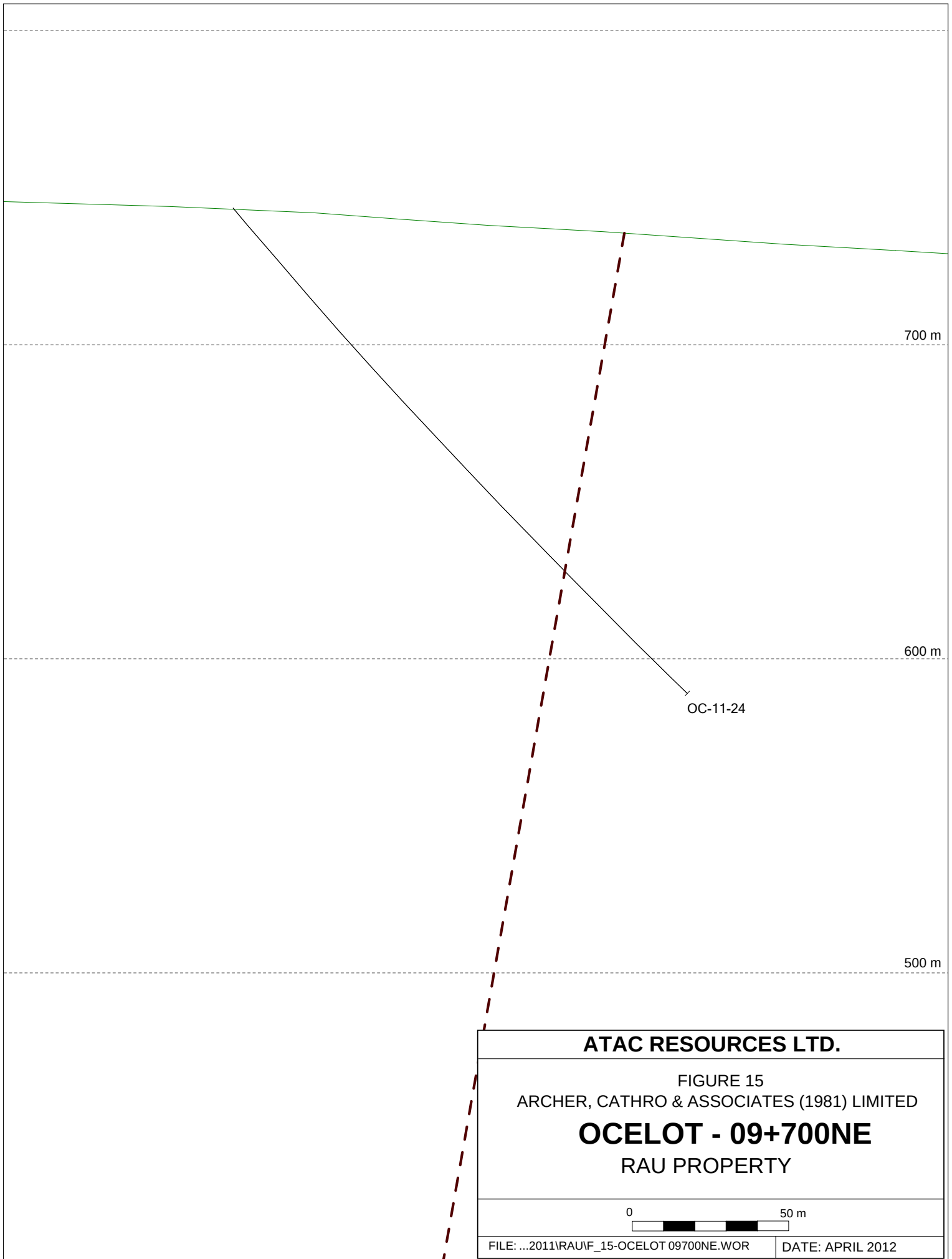
OCELOT - 09+900NE
RAU PROPERTY



FILE: ...2011\RAUF_13-OCELOT 09900NE.WOR

DATE: APRIL 2012





Core samples were flown by helicopter from the property to a staging area at McQuesten Lake, then transported to Whitehorse by truck, escorted by a representative of Archer, Cathro. Later in the program, samples were flown by fixed wing aircraft to Mayo from an airstrip located on the property, before being transported by truck to Whitehorse. The samples were delivered to the ALS Chemex preparation facilities in Whitehorse.

Core samples were dried and crushed to 70% minus 2 mm, before a 1.5 kg split was taken and pulverized to better than 85% minus 75 microns. To reduce cross contamination between samples during preparation, the equipment was washed twice with quartz silica sand. Splits of the pulverized fraction were digested in an acid solution and analyzed for 48 elements using technique ME-MS61, which combines inductively coupled plasma (ICP) with mass spectroscopy (MS) and atomic emission spectroscopy (AES). Samples were analyzed for gold by fire assay finished with atomic absorption spectroscopy (Au-AA26). Certificates of Analysis are found in Appendix III.

Results

Drilling at the Ocelot showing intersected a thick sequence of intensely dolomitized limestone containing narrow volcanoclastic beds. Sulphide mineralization is hosted within a steeply dipping, northeast trending fault. The initial drill holes in 2011 were oriented to test stratigraphy and were oblique to this structure. Later holes were realigned to target the structure better.

Drilling has tested a total strike length of 470 m along this structure. Within this, mineralization has been intersected over a strike length of 230 m to the northeast. Sulphide mineralization comprises pyrite+sphallerite+galena+/-tetrahedrite.

Significant intersections from the 2011 diamond drilling are listed in the following table.

Table III: Significant 2011 Drill Intersections

<u>Hole #</u>	<u>From (m)</u>	<u>To (m)</u>	<u>Interval (m)</u>	<u>Ag (g/t)</u>	<u>Pb (%)</u>	<u>Zn (%)</u>
OC-11-06	154.82	160.83	6.01	23.86	0.08	8.83
OC-11-07	192.02	203.90	11.88	58.03	2.01	12.41
OC-11-08	No significant results					
OC-11-09	109.73	151.45	41.72	145.43	3.36	11.65
OC-11-10	56.96	120.40	63.44	73.81	2.44	8.18
OC-11-11	32.19	70.10	37.91	188.07	8.69	6.06
includes	37.00	51.82	14.82	400.18	20.44	9.50
OC-11-12	58.40	85.23	26.83	71.66	2.22	13.61
OC-11-13	169.16	182.88	13.72	174.18	6.39	8.55
OC-11-14	46.05	81.69	35.64	46.43	1.36	8.12
OC-11-15	No significant results					
OC-11-16	48.38	83.95	35.57	56.53	1.63	9.73
OC-11-17	83.40	96.01	12.61	34.13	1.02	12.48
OC-11-18	77.72	106.75	29.03	121.12	0.51	1.28
OC-11-19	No significant results					

OC-11-20	No significant results
OC-11-21	No significant results
OC-11-22	No significant results
OC-11-23	No significant results
OC-11-24	No significant results

A spotted grey and white volcanoclastic, intersected in hole OC-11-18, was the uppermost stratigraphic unit encountered in 2011. Beneath this lies a grey dolomitized limestone with varying degrees of brecciation that makes the majority of drill intersections. The contact between these two units is marked by a narrow horizon of black pyritic shale. The lower most stratigraphic member is a cream coloured dolomite with a crackle texture defined by hairline fractures filled with black dolomite and was intersected in holes southwest of the gossan. The contact between these lower two units is gradational and interfingering.

QAQC

During the field season, samples were divided into batches, each containing 31 core samples, 2 standards, 2 blanks and 1 duplicate. A total of 30 standards and 30 blanks were inserted into the sample sequences. Blank samples each weighed 8 kg and comprise landscaping marble obtained from a garden centre in Whitehorse.

Five standard samples were obtained from CDN Resource Laboratories Ltd. Certificates for each of the standard samples are contained in Appendix IV, while Table V summarizes the consensus and two standard deviation values for each of the standard samples used during the program.

Table IV: Standard Sample Consensus Values

Standard	Sample	Ag (g/t)	Ag-2 δ	Pb (%)	Pb-2 δ	Zn (%)	Zn-2 δ
OC-1	CDN-SE-1	712	57	1.92	0.09	2.65	0.20
OC-2	CDN-SE-2	354	21	0.957	0.044	1.34	0.11
OC-3	CDN-HZ-2	61.1	4.1	1.62	0.11	7.20	0.35
OC-4	CDN-ME-7	150.7	8.7	4.95	0.30	4.84	0.17
OC-5	CDN-ME-8	61.7	4.7	1.94	0.08	1.92	0.08

Silver, lead and zinc values from all but five of the blank samples were within acceptable range (≤ 0.05 ppm). The questionable samples were from batches 4, 6 and 10. New master pulps were created for all samples in batches 6 and 10 and were reanalyzed by the laboratory to ensure the results were accurate. All of the samples were found to be within an acceptable “carry-over” limit given the elevated values of the proceeding samples.

All but two of the standard sample values (batches 3 and 9) are within the acceptable range. A bag mix-up at the preparation facility was determined to be the cause of failure in batch 9. To ensure the results from this batch were accurate, new master pulps were created from the coarse rejects and analyzed by the laboratory. Samples from batch 3 were reanalyzed for 48 elements by ME-MS61. Results from all of the reanalysis were consistent with the original values.

A total of 15 duplicate samples, prepared from quarter core, were collected and analyzed throughout the program. There was little variation in silver, lead or zinc values between the initial and duplicate samples.

DISCUSSION AND CONCLUSIONS

The Ocelot Showing hosts a significant new near surface silver-lead-zinc mineralization discovery. Sulphide mineralization is contained within a steeply dipping northeast trending fault that was the focus of drilling in 2011. Although mineralization was not encountered over the full strike length tested by drilling the full limits of this structure are not yet known and are still open for exploration.

The Ocelot sits stratigraphically beneath the nearby Tiger Zone. The volcanoclastic unit intersected in hole OC-11-18 appears to be equivalent to the Leopard unit in found in the footwall of the Tiger Zone (Dumala, 2011). Additional exploration is warranted to the northeast where the Ocelot structure intersects the projection of the favourable Tiger Zone stratigraphy.

In advance of further drilling, ground based geophysical surveys should be conducted over and around the known showing to evaluate the mineralization potential both along strike and in additional structures.

Respectfully submitted

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Matthew R. Dumala, P.Eng.

REFERENCES

- Abbott, G.
1990 Geology Map of Mount Westman Map Area (106D/1); Indian and Northern Affairs Canada, Exploration and Geological Services Division, Yukon Region, Open File 1990-1.
- Blusson, S.L.
1978 Regional geological setting of lead-zinc deposits in Selwyn Basin, Yukon; Current Research, Part A, Geological Survey of Canada, Paper 78-1a, pp 77-80.
- Carlyle, L.W.
1989 Assessment Report on the TAF Claims; prepared for Bonventures Ltd.
- Cathro, R.C.
2006 Great Mining Camps of Canada 1: The History and Geology of the Keno Hill Silver Camp, Yukon Territory; Geoscience Canada, Vol. 33, No. 3, pp 103-134.
- Deklerk, R. and Traynor, S. (compilers)
2004 Yukon MINFILE 2004 - A database of mineral occurrences; Yukon Geological Survey, CD-ROM.
- Dumala, M.
2009 Assessment Report Describing Geological Mapping, Prospecting, Soil Geochemistry, Diamond Drilling and Geophysical Surveys at the Rau Property; prepared for ATAC Resources Ltd.

2011 Assessment Report Describing Geophysics, Soil Geochemistry and Diamond Drilling at the Rau Property; prepared for ATAC Resources Ltd.
- Dumala, M. and Lane, J.
2010 Assessment Report Describing Geological Mapping, Prospecting, Soil Geochemistry and Diamond Drilling at the Rau Property; prepared for ATAC Resources Ltd.
- Fingler, J.
2005 Private geological report on the McQuesten Property for Alexco Resources Corp; published in Alexco prospectus, available from (http://www.sedar.com/issuers/issuers_en.htm).
- Green, L.C.
1972 Geology of Nash Creek, Larsen and Dawson Map Areas, Yukon Territory; Geological Survey of Canada, Memoir 364, pp 157.

Hornbrook, E.H.W., Friske, P.W.B., Lynch, J.J., McCurdy, M.W., Gross, H., Galletta, A.C. and Durham, C.C.

- 1990 National Geochemical Reconnaissance Stream Sediment and Water Geochemical Data, East Central Yukon (106D, parts of 106C, 106E and 106F); GSC Open File 2175.

INAC

- 1992 Yukon Exploration 1991; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada.

Kingston, S.P.

- 2009 Nature and Origin of Gold-Rich Carbonate Replacement Deposits at the Rau Occurrence, Central Yukon; A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science (Honours) in the Faculty of Science, University of British Columbia.

Kingston, S., Mortensen, J., Dumala, M. and Gabites, J.

- 2010 Ar-Ar Geochronology and Pb Isotopic Constraints on the Origin of the Rau Gold-Rich Carbonate Replacement Deposit, Central Yukon; In Yukon Exploration and Geology 2009., Yukon Geological Survey, pp 213-222.

Montgomery, J.H and Cavey, G.

- 1978 Assessment Report for El 1-70 Claims, prepared for Prism Resources Limited.

Mortensen, J.K., Hart, C.J.R., Murphy, D.C. and Heffernan, S.

- 2000 Temporal Evolution of Early and Mid-Cretaceous Magmatism in the Tintina Gold Belt; Concepts, Exploration, and Discoveries, Special Volume 2, British Columbia and Yukon Chamber of Mines, January 2000, pp 49-57.

Panton, B.S.

- 2008 A Deposit Model for Mineralization at the Rau Property, Yukon Territory; A Thesis Submitted in Partial Fulfillment of the Requirements for a Degree of Bachelor of Applied Science in the Faculty of Applied Science, Geological Engineering Program, University of British Columbia.

Prism Joint Venture

- 1979a Assessment Report for Dee Claims 1 – 174; prepared for Prism Resources Limited.
- 1979b Assessment Report for Kathy Claims 1 – 8; prepared for Prism Resources Limited.

Roots, C.

- 1990 Geology of 106D/8 and 106D/7 (East half) Map Areas; Indian and Northern Affairs Canada, Exploration and Geology Services Division, Yukon Region, Open File 1990-3.

APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Matthew R. Dumala, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Burnaby, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2002 with a B.A.Sc in Geological Engineering, Option 1, mineral and fuel exploration.
2. I registered as a Professional Engineer in the Province of British Columbia on November 14, 2008 (License Number 32783).
3. From 2003 to present, I have been actively engaged in mineral exploration in the Yukon Territory.
4. I have personally participated in the fieldwork reported herein.

Matthew R. Dumala, P.Eng.

96227

QM01413

Statement of Expenditures
Q 27-109, R 7-12, 21-54, 67-103, 121-158,
179-214, 235-270, 329-416, 841-860,
Rau 1-55, 57-64 and 87-96 Mineral Claims
Group I
March 19, 2012



Labour

M. Dumala (geologist) Aug. 17 to 22 – 8 days @ \$720/day	\$ 6,451.20
B. Hunt (cook) Aug. 17 to 22 – 8 days @ \$640/day	5,734.40
T. Gibbons (field assistant) Aug. 17 to 22 – 8 days @ \$552/day	4,945.92
C. Barthel (field assistant) Aug. 17 to 22 – 1 day @ \$496/day	555.52
K. Mathwig (field assistant) Aug. 17 to 22 – 8 days @ \$424/day	4,070.40
G. Titley (field assistant) Aug. 17 to 22 – 6 days @ \$408/day	2,741.76
S. Kammerer (field assistant) Aug. 17 to 22 – 8 days @ \$392/day	3,512.32
T. Hillier (field assistant) Aug. 17 to 22 – 8 days @ \$384/day	3,440.64
K. Aschenbrenner (field assistant) Aug. 17 to 22 – 6 days @ \$376/day	2,526.72
T. Stefanik (field assistant) Aug. 17 to 22 – 8 days @ \$376/day	3,368.96
T. Denton (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	3,082.24
C. Devillers (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	3,082.24
A. Dodds (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	3,082.24
S. Dueck (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	3,082.24
S. Gibson (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	3,082.24
C. Palin (field assistant) Aug. 17 to 22 – 8 days @ \$344/day	<u>3,082.24</u>
	\$55,841.28

Expenses (including management fee)

Field room and board – 153 mandays @ \$125/manday	23,133.60
Horizon Helicopters – 9.5 hours A-Star @ \$1645/hour including fuel	17,721.59
Fireweed Helicopters – 35.2 hours L4 @ \$1890/hour including fuel	75,442.75
Superior Diamond Drilling	98,322.79
ALS Chemex	<u>6,057.90</u>
	\$220,678.63

Total	<u>\$276,519.91</u>

APPENDIX II

GEOLOGICAL AND GEOTECHNICAL LOGS

RAU PROPERTY

	Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
ZONE: <u>OCELOT</u>	10+100E	9+950N	517070	7127460	755	193.55

SECTION: 10+100E

HOLE: OC-11-06

CLAIM: YC69280

Contractor: Superior

Drill: _____

Core size: HQ

Casing depth: 0.00 (m) out

Drilling dates: April 27th to April 30th, 2011.

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	196	-50.0	compass	147.83	198.3	-52.6	Ranger
56.39	197.1	-51.3	Ranger	163.07	198.0	-53.0	Ranger
71.63	197.5	-51.5	Ranger	178.31	197.9	-52.9	Ranger
102.11	197.7	-52.2	Ranger	193.55	198.4	-52.6	Ranger

TARGET: Source of gossan

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	0.29	0.29	OVB	
0.29	73.48	73.19	DOL	DOL, BX
73.48	74.00	0.52	DOL	Clay, DOL, tectonic breccia.
74.00	99.90	25.90	DOL	DOL, BX
99.90	100.58	0.68	DOL	Galena and Pyrite MX
100.58	103.63	3.05	FLT	
103.60	143.28	39.68	DOL	
143.28	148.93	5.65	VOL	
148.93	154.81	5.88	DOL	
154.81	157.05	2.24	MX	MX, DOL alteration, sphalerite.
157.05	159.05	2.00	DOL	DOL, MBL
159.05	161.54	2.49	FLT	
161.54	166.12	4.58	VOL	int. Bed. VOL and carbonate, sheared.
166.12	178.91	12.79	FLT	Fault, FG sulphides present.
178.91	193.55	14.64	DOL	

SAMPLES
Numbers: G075051 to G075080
Total: <u>30</u>
Batch: <u>1</u>
Certificate: <u>WH11079191</u>

COMMENTS
Fault intervals v. Poor recovery. EOH, past targeted Ocelot MX and through a fault.

GEOLOGY LOG

HOLE: OC-11-06

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	0.29	0.29				OVB																				Overburden. Dark, spongy organic mat over soft, medium brown soil.	
																											Light to dark grey, FG, variably BX, intensely DOL altered LST. Brick red to grey-green weathering is seen up hole on fracture faces. Core is generally competent, though can be blocky. Some soft clay-like intervals are intermittent throughout. Breccia textures are variable, from sBX to cBX. Minor yellow Py present as <1 mm, irregular crystals throughout.
0.29	50.99	50.70				DOL	LST	BX					i					WEA	w	t							
			0.29	18.30	18.01	DOL	LST	BX					i					WEA	w							x	Weak weathering, oxide staining present on fracture faces.
																											Light to dark grey, FG to CG, variably BX, intensely DOL altered LST with sugary white dolomite filled fractures. DOL fractures preferentially oriented at 25°-30° TCA. Narrow, <1 mm rims present on fracture walls, with 1-3 mm wide dolomitic infills crosscutting rusty red fractures that are <1 mm wide. Core becomes more brecciated with depth, angular grey clasts are seen either with a sugary DOL sBX matrix or a black, FG cBX matrix. Trace FG Py is seen within the black cBX matrix.
			6.16	8.28	2.12	DOL	LST	BX					i					WEA	w	t							
									VT	30	3																White, sugary dolomite filled fractures, oriented 30° TCA.
									FR	30	180	8															Rusty red crack-seal fractures cross-cutting DOL fractures, oriented 30° TCA and 180° to DOL VTs.
																											Light to dark grey, FG, sometimes narrowly interbedded, intensely DOL altered LST breccia. Irregular, grey clasts are captured within a white, sugary DOL matrix. Some BX clasts exhibit bedding, all at various angles TCA (sol'n collapse). The breccia is variably matrix to clast supported. Some open cavities up to 3.8 cm long host drusy dolomite crystals up to 2 mm in size on cavity walls. Where BX clasts are dark grey, the rock is harder than typical DOL LST (calc-silicate? SIL alteration?). ICN is planar and abrupt, oriented at 45° TCA.
			8.18	9.92	1.74	DOL	LST	BX	CN	45			i					WEA	w								
																		SIL	f								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other		
																	Type	Intensity				Type	Intensity					
			9.92	12.21	2.29	DOL	LST	BX					i				WEA	w									Dark to light grey, variably BX, intensely DOL altered LST. sBX textures are overprinted by black, variably graphitic cBX. cBX preferentially oriented (parallel fracturing?), but a secondary orientation can give the core a parallelogram texture. cBX is variable, from weak to strong. Core is competent to blocky, breaking most readily along cBX structures.	
									BX	25																		Black, narrow crackle BX. Orientation is variable, but a preferential orientation 25° TCA is seen. At times, a secondary orientation 25° TCA and 180° to the primary orientation is also exhibited.
			12.21	46.58	34.37	DOL	LST	BX					i													x	Medium to dark grey, variably BX, intensely DOL alt LST. Generally, core contains medium to light grey BX clasts <1 mm to 3.9 cm in size, v.angular to rounded, in a black, FG matrix. Beds of massive, medium grey, FG LST up to 1 m wide divide BX intervals. Minor vuggy sBX textures are present, up to 30 cm in length intermittently throughout. Breccia clasts lack orientation and appears polyolithic with different generations of LST making up clasts.	
									FR	40		3																Core fractures preferentially 40° TCA, at times fractures are oriented 180° to each other. Trace grey-green alteration is seen on some fracture faces.
			46.58	50.99	4.41	DOL	LST	BX																				Light to dark grey, interbedded, intensely DOL alt. LST with cBX textures increasing with depth. Minor white, sugary, angular, dolomitic veinlets are present throughout. Core is light grey with narrow, <1-4 mm thick interbeds.
									BD	70																		Bedding is oriented 70° TCA.
									VT	45	170	3																White, angular, MG sugary DOL veinlets, preferentially oriented 45° TCA and 170° to bedding. Orientation is variable.
				50.72					FR																			Minor graphite is present on some fracture faces in a rubbly, 15 cm wide interval at 50.72 m. cBX textures are evident on large rubble clasts.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
50.99	53.08	2.09				DOL	LST	BX					i					CLY	w	t							Dark to medium grey, intensely DOL altered, brecciated LST. Intense cBX textures are present on the fringes of a narrow tBX interval (fault?). Soft, medium grey clay-like gouge is present within the tBX interval. tBX is variably clast to matrix supported, with angular, polyolithic clasts within a dark grey, v. soft matrix. Narrow, FG to MG Py stringers are variably oriented throughout, seem preferential to cBX structures. Trace Py disseminations are seen proximal to Py stringers.
			51.38	51.82					FLT	35			i							t						x	Medium grey, soft, gougy LST fault with tBX textures exhibited on competent core. Trace FG-MG Py stringers present above ICN, preferential to breccia matrix. The uCN is oriented at 35° TCA.
53.08	73.48	20.40				DOL	LST	BX					i														Light to dark grey, variably BX, variably interbedded intensely DOL altered LST. Trace cryptic fossils are seen. Interbeds of dark and light grey LST appear variably irregular (bioturbation?) and fractured with minor sBX textures and narrow offsets along sub parallel fractures.
73.48	74.00	0.52				DOL	MX						i							i			Gn	w			Medium to light grey, intensely DOL altered LST w/ semi-massive Py with MG galena (~20% Py, ~1% Gn). Sandy Py throughout, replacing host rock as irregular masses to narrow bands <1 mm wide along fractures. Galena is present as a mass 6 cm in length, made up of silvery cubes spatially associated with white, CG dolomite rhombs. Core is very rubbly.
74.00	99.90	15.90				DOL	LST	BX					i														Dark to light grey, variably BX, variably FOS, intensely DOL alt. LST. Some intervals of narrow, <1-3 mm interbeds to massive dark grey LST w/ gastropod and ostracod fossils. Brecciation is variable, cBX to weak solution BX textures throughout.
									BD	60																	Bedding is oriented 60° TCA where evident

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity			Type	Intensity	Type	Intensity		
			74.00	7.00	3.00	DOL	LST	BX					i						t							Medium to dark grey, intensely DOL altered LST with intense black/dark grey crackling intermittent throughout. Core is rubbly where crackling is strongest. A graphic component to the cBX matrix is sometimes seen. Trace grey-yellow Py is seen within the breccia matrix where crackling is strongest.
									BX	40	80															Main orientation of cBX is at 20°-60° TCA and ~80° to bedding.
99.90	100.58	0.68				DOL	LST						i						w			Sp	w			Dark to medium grey, intensely DOL alt. LST with irregular, swaly replacement veinlets of pyrite and honey-brown sphalerite. Host LST is fossiliferous, weakly cBX, fine grained LST with cryptic fossils. MX vein orientation is undulose. Some mineralization is seen along cBX structures.
									VT	30	n/a															3mm to 1.1 cm wide, undulose Py and Sp veinlets, generally oriented at 30° TCA, though orientation is variable.
100.58	103.63	3.05				FLT																				Medium grey, soft gouge. Soft clay fault gouge is seen in contact with the uCN, below which core becomes rubbly to blocky with very poor recovery. Some blocks of core exhibit clastic textures, with subangular to subrounded clasts up to 3 mm in size. Soft, clay-like coatings are present on rubble surfaces. Core is generally in 1.2-3 cm chunks of rubble, with clasts ranging in size from <1 mm sand to 6 cm fragments.
									uCN	35																uCN of fault is oriented at 35° TCA at 100.58 m
103.60	137.16	34.56				DOL	LST						i				MBL	m	t							Light to dark grey, variably BX, intensely DOL altered LST. Core is generally massive bands of light grey carbonate layers up to 7.6 m thick interbedded with FG, dark grey carbonate beds up to 80 cm thick. cBX textures are seen weakly throughout, though can locally be strong on scales of 8 cm. Narrow, black, tabular to rod-like, 1-2 mm wide, 4-13 mm long features are seen in light grey carbonates (chitinous? triolobites?) Some mottled BX texture is present with depth (bioturbation?).
									BD	70																Where evident, bedding is oriented 70° TCA and is defined by contacts with light and dark grey carbonate rock.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity				
			122.75	128.25	5.50	MBL	DOL						i					MBL	s								Light to dark grey, FG to MG, intensely DOL altered marblized LST. Weak banding is seen oriented 70° TCA. Grain size is generally sucrosic. Trace Py is present as MG, bright veinlets and fine grained, dull yellow stringers.
									BN	70																	Weak marble banding is oriented at 70° TCA
				123.44					VT	20	n/a																Bright metallic yellow, MG Py veinlet, <1mm to 1 mm subhedral to cubes of Py are seen within the veinlet with small, irregular Py crystals disseminated along veinlet margins up to 1 cm into into host rock. Veinlet is oriented 20° TCA, measurment TFA is obscured by broken core.
			123.65	124.12	0.47				VT			6															narrow, <1-1mm, FG Py stringers with variable orientations TCA and TFA. Py is sometimes associated with graphitic fractures.
137.16	193.54	56.38				DOL	VOL	BX					i					CLY	s							x	Dark to medium grey, intensely BX, variably mylonitic, DOL altered LST with interbeds of CLY altered VOL. Core is generally blocky ro rubbly with some lengths of competent core up to 2 m. cBX textures are intense, medium grey carbonate appears shattered by a black, FG breccia matrix. Volcaniclastic interbeds variably exhibit mylonitic textures. Pinch-swell textures also evident. Trace Py is associated with clay altered VOL as nebulous, small masses to narrow bands following mylonite fabric. Recovery is highly variable throughout, from >90% to <10%.
			143.28	148.93	5.65	VOL	CLY	FO										CLY	i	t						x	Dark to medium grey, intensely CLY altered VOL exhibiting undulating shear/strain fabric throughout. Some rounded clasts up to 2.1 cm exhibit pinch-swell tails, some minor rotation may be seen. Core is very fissile along foliation planes, leaving a slick, talc fracture face. Rock is generally laminated appearance, dark <1-3 mm layers with medium grey layers of equal thickness. Laminated bands appear to "flow" around clasts. Some clasts are hard, exhibiting FG igneous textures with Qz, Fspar (?) and Bi (?). Trace Py with both igneous clasts and with clay altered VOL as bands up to 9 mm wide and masses up to 1.9 cm in size.
									FO	25																	Foliation is variable, from 0° TCA to 40°. At 148.20 m, FO is 0° TCA, and 180° to each other on either side of that point.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			154.81	157.05	2.24	MX		BX											30			Sp	25	Bo	t	x	Brick red to metallic yellow, FG to CG, semi-massive Sp and Py MX with white Qz. FG Sp and Py appear as masses replacing cBX carbonate becoming massive below 155.32 m. Trace, purple-green bornite? associated with masses of sphalerite. Prismatic milky-white Qz present infilling and partially filling cavities. Py is seen as brassy yellow vFG to 2 mm crystals with striations. Sp is present as FG to MG, subhedral, resinous, red crystals to coarser black Sp. Zoning from black to red Sp seen, with red Sp sometimes seen on rims of black crystals. Some red Sp is seen on rims and along margins of Py masses with Qz growing after Sp. ~30% Py, ~25% Sp, ~7% Qz. Core is blocky to rubbly, pyritic sand often in bottom of core tray. (ruddy brown barite also present? Seemed higher SG where present.)	
			159.05	161.00	1.95	BRX	FLT																			x	Dark to medium grey, matrix supported polyolithic breccia. Light, medium grey and rusty orange clasts are supported by black, FG matrix. Clasts are 1 mm to 2.0 cm in size, subangular to rounded. Orientation of clasts is random. Composition of rock is ~50% clasts and 50% matrix. Some very soft clay gouge present. Core is blocky to rubbly throughout.	
									ICN	20																		ICN is sharp, abrupt change from breccia to v.soft clay gouge oriented 20 degrees TCA.
				159.65					VN	n/a																	A band of FG, dull grey-yellow Py 9.5 cm wide is present at 159.65 m. Orientation is obscured by rubbly core.	
			161.00	161.54	0.54	CLY											CLY	i	t								Dark grey, very soft clay gouge and grit. FG sulphides are seen intermittently throughout.	
			161.54	166.12	5.12	VOL	DOL	FO																			Dark to medium grey, FG to MG, strongly clay and marble altered interbedded VOL and LST. Interbeds up to 10's of cm to 5 mm thick are dominated by volcanoclastics, becoming more carbonate-rich with depth. Core is very rubbly and fissile, fracturing easily along foliation planes in VOL beds. Clay alteration is intense in VOL beds, carbonate beds are strongly MBL altered with a sucrosic texture. Upper VOL beds appear sheared, mylonitic in texture. Foliation in VOL beds is parallel to subparallel with bedding.	
									BD	60																	Defiend by contacts between MBL and VOL, 50° 65° TCA.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other					
																	Type	Intensity				Type	Intensity	Type			Intensity		
			166.12	178.91	12.79	FLT												CLY	s	t							x	Dark to medium grey, FG, intensely cBX DOL altered LST. Core is very rubbly to gritty and is only blocky at best. Rubble is broken into angular, irregular clasts <1 cm to 7 cm in size. Grit covers bottom of most core trays. Recovery is highly variable throughout, from <10% to <80%. Intense cBX is evident on rubbly clasts with medium grey carbonate appearing shattered by a black, FG cBX matrix. A silicic component to the breccia matrix is sometimes evident, and is harder than carbonate clasts. Clay gouge intervals up to 15 cm are intermittent throughout.	
			178.91	193.54	14.63	DOL	LST	BX																			x	Light to dark grey, intensely DOL altered, intensely crackled LST. Light grey carbonate rock is shattered by a black, FG, cBX matrix. Core is rubbly to blocky, fracturing along cBX structures. A weak graphitic component is seen in along these fractures. Some minor light grey gouge and clay is seen intermittently. Core becomes more compotent with depth.	
			190.90	193.54	2.64								FR	40															A moderate preferential orientation to fracturing is seen below 190.90 m, oriented at 35°-50° TCA and commonly oriented with respect to TFA.
				EOH																									Past targeted Ocelot mineralization and through a fault.

GEOTECHNICAL LOG

HOLE: OC-11-06

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	1.39	91	0.10	7	ms	hw	
1.52	3.05	1.53	1.05	69	0.28	18	ms	mw	
3.05	4.57	1.52	1.03	68	0.11	7	ms	mw	
4.57	6.09	1.52	0.80	53	0.45	30	ms	fr	redrill/cave
6.09	7.62	1.53	1.23	80	0.72	47	ms	fr	
7.62	9.14	1.52	1.42	93	0.99	65	ms	fr	
9.14	10.67	1.53	1.56	102	1.05	69	ms	sw	
10.67	12.19	1.52	1.55	102	0.37	24	ms	sw	
12.19	13.72	1.53	1.33	87	1.02	67	ms	fr	
13.72	15.24	1.52	1.43	94	0.50	33	ms	fr	
15.24	16.76	1.52	0.85	56	0.00	0	ms	sw	
16.76	18.29	1.53	1.07	70	0.29	19	ms	sw	
18.29	19.81	1.52	1.42	93	0.65	43	ms	fr	
19.81	21.34	1.53	1.53	100	1.07	70	s	fr	
21.34	22.86	1.52	1.55	102	0.72	47	ms	fr	
22.86	24.38	1.52	1.50	99	1.03	68	s	fr	
24.38	25.91	1.53	1.51	99	1.14	75	ms	fr	
25.91	27.43	1.52	1.48	97	0.46	30	w	fr	
27.43	28.96	1.53	1.50	98	0.96	63	s	fr	
28.96	30.48	1.52	1.55	102	0.80	53	ms	fr	
30.48	32.00	1.52	1.54	101	1.36	89	s	fr	
32.00	33.53	1.53	1.40	92	0.95	62	ms	fr	
33.53	35.05	1.52	1.53	101	1.27	84	s	fr	
35.05	36.58	1.53	1.46	95	1.25	82	s	fr	
36.58	38.10	1.52	1.56	103	1.02	67	s	fr	
38.10	39.62	1.52	1.46	96	1.05	69	ms	fr	
39.62	41.15	1.53	1.57	103	1.37	90	s	fr	
41.15	42.67	1.52	1.44	95	1.31	86	s	fr	
42.67	44.20	1.53	1.58	103	1.34	88	s	fr	
44.20	45.72	1.52	1.45	95	1.33	88	s	fr	
45.72	47.24	1.52	1.52	100	1.01	66	s	fr	
47.24	48.77	1.53	1.50	98	1.20	78	ms	fr	
48.77	50.29	1.52	1.41	93	0.76	50	ms	fr	
50.29	51.82	1.53	1.43	93	1.02	67	ms	sw	
51.82	53.34	1.52	1.39	91	0.94	62	w	sw	
53.34	54.86	1.52	1.55	102	0.98	64	ms	fr	
54.86	56.39	1.53	1.55	101	1.48	97	ms	fr	
56.39	57.91	1.52	1.47	97	1.30	86	ms	fr	
57.91	59.36	1.45	1.50	103	0.90	62	ms	fr	
59.36	60.96	1.60	1.42	89	1.00	62	ms	fr	
60.96	62.48	1.52	1.54	101	0.78	51	ms	fr	
62.48	64.00	1.52	1.50	99	0.95	62	ms	fr	
64.00	65.53	1.53	1.48	97	1.30	85	s	fr	
65.53	67.06	1.53	1.30	85	0.97	63	s	fr	
67.06	68.58	1.52	1.52	100	0.30	20	ms	fr	
68.58	70.10	1.52	1.52	100	0.86	57	ms	fr	
70.10	71.63	1.53	1.55	101	1.30	85	s	fr	
71.63	73.15	1.52	1.55	102	0.88	58	s	fr	
73.15	74.67	1.52	1.20	79	0.15	10	w	sw	
74.67	76.20	1.53	1.36	89	0.43	28	ms	sw	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.50	99	1.07	70	ms	fr	
77.72	79.25	1.53	1.43	93	0.71	46	ms	fr	
79.25	80.77	1.52	1.54	101	1.00	66	ms	fr	
80.77	82.29	1.52	1.46	96	0.75	49	ms	fr	
82.29	83.82	1.53	1.48	97	0.46	30	ms	fr	
83.82	85.34	1.52	1.45	95	0.40	26	ms	fr	
85.34	86.86	1.52	1.50	99	0.98	64	ms	fr	
86.86	88.39	1.53	1.40	92	0.82	54	ms	fr	
88.39	89.91	1.52	1.42	93	0.75	49	ms	fr	
89.91	91.44	1.53	1.44	94	0.80	52	ms	fr	
91.44	92.96	1.52	1.53	101	0.87	57	ms	fr	
92.96	94.49	1.53	1.48	97	1.10	72	ms	fr	
94.49	96.01	1.52	1.56	103	1.14	75	ms	fr	
96.01	97.54	1.53	1.53	100	0.81	53	ms	fr	
97.54	99.06	1.52	1.50	99	0.61	40	ms	fr	
99.06	100.58	1.52	1.46	96	0.94	62	ms	fr	
100.58	102.18	1.60	0.25	16	0.00	0	w	sw	
102.18	103.63	1.45	0.47	32	0.00	0	w	sw	
103.63	105.16	1.53	1.43	93	0.78	51	ms	fr	
105.16	106.68	1.52	1.55	102	1.33	87	ms	fr	
106.68	108.20	1.52	1.56	103	0.43	28	ms	fr	
108.20	109.73	1.53	1.51	99	0.96	63	ms	fr	
109.73	111.25	1.52	1.54	101	0.69	45	ms	fr	
111.25	112.78	1.53	1.53	100	0.64	42	ms	fr	
112.78	114.30	1.52	1.48	97	0.79	52	ms	fr	
114.30	115.82	1.52	1.43	94	0.92	61	ms	fr	
115.82	117.35	1.53	1.45	95	1.12	73	ms	fr	
117.35	118.87	1.52	1.43	94	1.05	69	ms	fr	
118.87	120.40	1.53	1.45	95	1.06	69	ms	fr	
120.40	121.92	1.52	1.45	95	0.85	56	ms	fr	
121.92	123.44	1.52	1.39	91	0.75	49	w	fr	
123.44	124.97	1.53	1.45	95	0.91	59	ms	fr	
124.97	126.49	1.52	1.21	80	0.91	60	ms	fr	
126.49	128.02	1.53	1.37	90	0.65	42	ms	fr	
128.02	129.54	1.52	1.55	102	0.98	64	ms	fr	
129.54	131.06	1.52	1.32	87	1.01	66	ms	fr	
131.06	132.59	1.53	1.42	93	0.58	38	ms	fr	
132.59	134.11	1.52	1.50	99	1.11	73	ms	fr	
134.11	135.64	1.53	1.37	90	0.60	39	ms	fr	
135.64	137.16	1.52	1.26	83	0.67	44	ms	fr	
137.16	138.68	1.52	1.34	88	0.25	16	ms	sw	
138.68	140.21	1.53	1.35	88	0.36	24	vw	mw	
140.21	141.73	1.52	1.12	74	0.28	18	w	sw	
141.73	143.25	1.52	1.18	78	0.12	8	ms	sw	
143.25	144.78	1.53	1.30	85	0.40	26	w	sw	
144.78	146.30	1.52	1.22	80	0.32	21	w	sw	
146.30	147.83	1.53	1.20	78	0.70	46	w	sw	
147.83	149.35	1.52	1.50	99	1.50	99	s	fr	
149.35	150.87	1.52	1.19	78	0.79	52	ms	fr	
150.87	152.40	1.53	1.41	92	1.00	65	ms	fr	
152.40	153.92	1.52	1.32	87	0.41	27	ms	sw	
153.92	155.45	1.53	1.43	93	1.01	66	ms	sw	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
155.45	156.97	1.52	1.15	76	0.00	0	w	sw	
156.97	158.49	1.52	0.79	52	0.43	28	s	sw	
158.49	160.02	1.53	1.27	83	0.66	43	w	mw	
160.02	161.54	1.52	0.99	65	0.56	37	vw	mw	
161.54	163.07	1.53	1.35	88	1.05	69	w	sw	
163.07	164.59	1.52	0.75	49	0.23	15	w	sw	
164.59	166.12	1.53	0.79	52	0.11	7	ms	fr	
166.12	167.64	1.52	0.20	13	0.00	0	ms	sw	
167.64	169.16	1.52	0.10	7	0.00	0	ms	sw	
169.16	170.68	1.52	0.43	28	0.00	0	w	sw	
170.68	172.21	1.53	0.32	21	0.00	0	w	mw	
172.21	173.73	1.52	0.52	34	0.00	0	ms	sw	
173.73	175.26	1.53	1.13	74	0.00	0	ms	sw	
175.26	176.78	1.52	1.00	66	0.30	20	w	mw	
176.78	178.31	1.53	1.29	84	0.00	0	W	sw	
178.31	179.83	1.52	1.49	98	0.21	14	W	sw	
179.83	181.26	1.43	1.45	101	0.00	0	MS	fr	
181.26	182.88	1.62	1.42	88	0.00	0	MS	fr	
182.88	184.40	1.52	1.39	91	0.00	0	MS	fr	
184.40	185.93	1.53	1.54	101	0.38	25	MS	fr	
185.93	187.45	1.52	1.42	93	0.00	0	MS	fr	
187.45	188.97	1.52	1.45	95	0.35	23	MS	fr	
188.97	190.50	1.53	1.57	103	0.26	17	MS	fr	
190.50	192.02	1.52	1.40	92	0.95	62	MS	fr	
192.02	193.54	1.52	1.45	95	0.68	45	MS	fr	
	EOH								

SAMPLE LOG

HOLE: OC-11-06

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
47.99	50.99	3.00	2.92	97	G075051	1	0.23	8	1500	
50.99	53.08	2.09	1.89	90	G075052	1	0.23	9	4930	
53.08	56.08	3.00	2.87	96	G075053	1	0.20	6	1080	
-	-	3.00	-		G075054	1	0.14	5	942	Duplicate of G075053
70.48	73.48	3.00	2.88	96	G075055	1	0.06	5	458	
73.48	74.00	0.52	0.47	90	G075056	1	48.60	16500	2920	
-	-		-		G075057	1	0.02	7	15	Blank HQ
74.00	77.00	3.00	2.45	82	G075058	1	0.34	70	328	
77.00	80.00	3.00	2.90	97	G075059	1	0.21	31	571	
96.90	99.90	3.00	2.74	91	G075060	1	0.64	94	1500	
99.90	100.58	0.68	0.47	69	G075061	1	6.87	1470	74500	
100.58	103.63	3.05	0.35	11	G075062	1	0.56	103	985	
-	-	-	-		G075063	1	679.00	18450	26400	Standard OC-1
103.63	106.68	3.05	2.30	75	G075064	1	0.09	12	640	
150.82	152.82	2.00	1.82	91	G075065	1	0.09	12	206	
152.82	154.82	2.00	1.91	96	G075066	1	0.10	18	253	
154.82	155.32	0.50	0.46	92	G075067	1	8.01	128	67600	
155.32	157.05	1.73	1.14	66	G075068	1	44.60	1800	263000	
-	-	-	-		G075069	1	0.03	2	145	Blank HQ
157.05	159.00	1.95	1.15	59	G075070	1	0.77	314	395	
159.00	160.83	1.83	1.16	63	G075071	1	33.20	679	22500	
160.83	163.07	2.24	1.95	87	G075072	1	1.59	36	880	
163.07	166.12	3.05	1.54	50	G075073	1	0.22	13	368	
166.12	169.16	3.04	0.30	10	G075074	1	0.20	4	64	
169.16	172.21	3.05	0.75	25	G075075	1	0.36	12	128	
172.21	175.26	3.05	1.65	54	G075076	1	0.22	7	38	
175.26	177.78	2.52	1.69	67	G075077	1	0.04	3	29	
177.78	178.91	1.13	0.80	71	G075078	1	0.19	6	99	
178.91	180.91	2.00	1.21	61	G075079	1	0.05	4	27	
180.91	182.91	2.00	1.29	65	G075080	1	0.04	3	16	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-06

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.03	
2.00			0.00	
3.00			0.01	
4.00			0.00	
5.00			0.00	
6.00			0.01	
7.00			0.01	
8.00			0.03	
9.00			0.03	
10.00			0.03	
11.00			0.03	
12.00			0.01	
13.00			0.03	
14.00			0.03	
15.00			0.11	
16.00			0.03	
17.00			0.01	
18.00			0.03	
19.00			0.03	
20.00			0.01	
21.00			0.01	
22.00			0.01	
23.00			0.06	
24.00			0.03	
25.00			0.03	
26.00			0.03	
27.00			0.01	
28.00			0.01	
29.00			0.01	
30.00			0.03	
31.00			0.03	
32.00			0.05	
33.00			0.01	
34.00			0.03	
35.00			0.05	
36.00			0.03	
37.00			0.03	
38.00			0.10	
39.00			0.06	
40.00			0.05	
41.00			0.03	
42.00			0.05	
43.00			0.13	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.01	
46.00			0.06	
47.00			0.06	
48.00			0.06	
49.00			0.13	
50.00			0.06	
51.00			0.05	
52.00			0.05	
53.00			0.05	
54.00			0.05	
55.00			0.05	
56.00			0.01	
57.00			0.03	
58.00			0.03	
59.00			0.08	
60.00			0.01	
61.00			0.01	
62.00			0.03	
63.00			0.05	
64.00			0.00	
65.00			0.01	
66.00			0.03	
67.00			0.05	
68.00			0.06	
69.00			0.03	
70.00			0.03	
71.00			0.01	
72.00			0.03	
73.00			0.01	
74.00			0.10	
75.00			0.03	
76.00			0.01	
77.00			0.01	
78.00			0.06	
79.00			0.00	
80.00			0.03	
81.00			0.01	
82.00			0.00	
83.00			0.05	
84.00			0.01	
85.00			0.01	
86.00			0.00	
87.00			0.05	
88.00			0.01	
89.00			0.00	
90.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.05	
92.00			0.01	
93.00			0.01	
94.00			0.01	
95.00			0.03	
96.00			0.01	
97.00			0.03	
98.00			0.01	
99.00			0.06	
100.00			0.06	
101.00			0.03	
102.00			0.02	
103.00			0.01	
104.00			0.01	
105.00			0.03	
106.00			0.03	
107.00			0.03	
108.00			0.03	
109.00			0.06	
110.00			0.03	
111.00			0.06	
112.00			0.08	
113.00			0.03	
114.00			0.01	
115.00			0.01	
116.00			0.01	
117.00			0.00	
118.00			0.01	
119.00			0.03	
120.00			0.00	
121.00			0.03	
122.00			0.01	
123.00			0.01	
124.00			0.01	
125.00			0.01	
126.00			0.00	
127.00			0.01	
128.00			0.01	
129.00			0.03	
130.00			0.03	
131.00			0.05	
132.00			0.01	
133.00			0.01	
134.00			0.01	
135.00			0.01	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.00	
139.00			0.01	
140.00			0.03	
141.00			0.03	
142.00			0.01	
143.00			0.03	
144.00			0.03	
145.00			0.05	
146.00			0.05	
147.00			0.03	
148.00			0.05	
149.00			0.00	
150.00			0.01	
151.00			0.01	
152.00			0.03	
153.00			0.01	
154.00			0.01	
155.00			0.05	
156.00			0.08	
157.00			0.01	
158.00			0.00	
159.00			0.01	
160.00			0.00	
161.00			0.03	
162.00			0.01	
163.00			0.05	
164.00			0.00	
165.00			0.00	
166.00			0.00	
167.00			n/a	
168.00			n/a	
169.00			n/a	
170.00			0.01	
171.00			0.01	
172.00			n/a	
173.00			0.01	
174.00			0.01	
175.00			0.01	
176.00			0.00	
177.00			0.05	
178.00			0.08	
179.00			0.05	
180.00			0.01	
181.00			0.01	
182.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.01	
184.00			0.00	
185.00			0.01	
186.00			0.03	
187.00			0.03	
188.00			0.01	
189.00			0.05	
190.00			0.05	
191.00			0.01	
192.00			0.01	
193.00			0.01	
EOH			EOH	

BOX LOG

HOLE: OC-11-06

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.12	4.30	36	135.64	139.42
2	4.30	8.45	37	139.42	143.02
3	8.45	11.73	38	143.02	146.55
4	11.73	15.68	39	146.55	150.13
5	15.68	20.56	40	150.13	153.70
6	20.56	24.10	41	153.70	158.03
7	24.10	27.85	42	158.03	162.01
8	27.85	31.69	43	162.01	166.12
9	31.69	35.46	44	166.12	174.03
10	35.46	39.20	45	174.03	176.78
11	39.20	43.07	46	176.78	180.00
12	43.07	47.03	47	180.00	183.40
13	47.03	50.75	48	183.40	187.15
14	50.75	54.51	49	187.15	190.60
15	54.51	58.26	50	190.60	193.54
16	58.26	62.05			
17	62.05	65.60			
18	65.60	69.35			
19	69.35	73.15			
20	73.15	76.79			
21	76.79	80.58			
22	80.58	84.20			
23	84.20	88.39			
24	88.39	91.93			
25	91.93	95.76			
26	95.76	99.51			
27	99.51	105.16			
28	105.16	108.96			
29	108.96	112.65			
30	112.65	116.35			
31	116.35	120.50			
32	120.50	124.48			
33	124.48	128.18			
34	128.18	132.18			
35	132.18	135.64			

RAU PROPERTY

ZONE: Ocelot

SECTION: 10+100E

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+100E	9+950N	517070	7127460	755	222.51

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	197	-70.0	compass	176.79	202.7	-71.8	Ranger
85.35	200.9	-71.4	Ranger	192.03	202.7	-71.4	Ranger
100.59	201.7	-71.5	Ranger	207.27	203.1	-71.6	Ranger
115.83	201.5	-71.6	Ranger	222.51	203.5	-71.5	Ranger

TARGET: Down dip extension of mineralization identified in OC-11-06

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	0.50	0.50	OVB	
0.05	107.32	107.27	DOL	Brecciated
107.32	133.25	25.93	DOL	
133.25	176.78	43.53	DOL	Brecciated
176.78	193.85	17.07	VOL	Clay altered, foliated
193.85	198.25	4.40	MX	smithsonite, pyrite, galena, sphalerite.
198.25	199.35	1.10	MX	smithsonite, pyrite, galena, sphalerite, massive
199.35	201.90	2.55	MX	smithsonite, pyrite, galena, sphalerite.
201.90	222.50	20.60	DOL	Brecciated

HOLE: OC-11-07

CLAIM: YC69280

Contractor: Superior

Drill: _____

Core size: HQ

Casing depth: 0.00 (m) out

Drilling dates: April 30th to May 3rd, 2011

Geology logged by: K. Unger

SAMPLES
Numbers: <u>G075081 to G075114</u>
Total: <u>33</u>
Batch: <u>1,2</u>
Certificate: <u>WH11079191, WH11082125, WH11089268</u>

COMMENTS

GEOLOGY LOG

HOLE: OC-11-07

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity					
0.00	0.05	0.05				OVB																					Overburden, black organics and brown soil	
0.05	107.32	107.27				DOL	LST	BX					i							t							Medium to dark grey, variably BX, intensely DOL altered LST. Mottled textures dominate with some narrow intervals of sBX. Minor vuggy regions feature drusy dolomite with minor calcite and sulphides. Vugs are preferential to sBX intervals.	
				0.05	15.10	15.50	DOL	LST	BX					i				WEA	f							x	Light to dark grey, intensely DOL LST with variable brecciation and fair weathering. Rusty red coatings are seen on fracture faces to 15.10 m.	
																											Dark to medium grey, strongly cBX, intensely DOL altered LST with trace FG metallic sulphides. Core is fractured heavily, and is mostly rubble to blocks with some coarse gritty partings. A graphitic component is sometimes seen on fracture faces, smearing between fingers. FG metallic yellow sulphides are present on the faces of fractures along cBX structures. Trace Py (marcasite?) is present in the black matrix with trace vFG metallic blue-grey grains of galena. Some crystalline graphite is also seen, up to 5 mm in size and is easily deformed with a pencil tip.	
				16.11	16.85	0.74	DOL	LST	BX					i						t			Gn	t				
																											Medium to dark grey, intensely DOL altered LST with intervals of sBX and massive beds of carbonate rock. Vugs are present among sBX core, often with vFG sulphides visible on rims of dolomitic crystals partially filling the cavities. Trace Py and sphalerite crystals are present on the dolomite rhombs. A minor carbonate component is present with the vug exhibited by weak fizzing with HCl. A rotten egg smell is present when HCl is applied to the vugs. Anomalous green-grey partings are seen on fracture faces through out the interval (cerrusite? smithsonite?).	
				18.90	107.82	88.92	DOL	LST	BX					i						t			Sp	t		x	There is a lack of bedding in this interval	
										BD	n/a																	
										VT	50	n/a															At 32.76 m, white, angular veinlet/fracture fill is present, 5 mm wide and oriented 50° TCA. It has a sucrosic texture and fizzes weakly with HCl.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			52.83	58.08	5.25	DOL	LST	BX					i						t							Dark to medium grey, dolomitized, brecciated LST. Breccia clasts are polymictic, angular to subangular, and some exhibit soft sediment deformation-like textures (slope?). Dull yellow, FG Py grains form small, nebulous masses within the fine grained, black BX matrix. Breccia is variably clast to matrix supported. ICN is abrupt, defined by seam of soft, medium grey clay with grit.	
				58.08					ICN																	ICN is defined by a soft grey clay seam, 2.5 cm thick and oriented 50° TCA.	
			95.45	107.82	12.37	DOL	LST	BX					i						t							Dark to light grey, intensely DOL altered, intensely brecciated LST. cBX and mBX textures dominate, light grey carbonate rock appears shattered with a dark grey, FG BX matrix. A silicic component is seen within the BX matrix, with FG to MG, translucent Qz crystals variably throughout. Trace vFG sulphides are seen within the matrix, flecks of disseminated metallic sulphides are visible with a hand lens. Core is generally competent with minor intervals of rubbly material.	
			100.21	103.96	3.75	DOL	LST	BX					i				CLY	m	t							Dark to medium grey, intensely DOL altered, intensely cBX LST with moderate CLY alteration Along fractures and cBX structures. Medium grey, soft clay is seen variably throughout these structures. Core is rubbly where CLY alteration is the strongest. Trace vFG sulphides in black cBX matrix. Recovery is low in this interval.	
			99.60	101.13					BD	50																Thin, 1-4 mm interbeds define bedding, 50-55 degrees TCA, some beds are irregular and undulose. cBX is less intense in this interval.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
107.82	132.94	25.12				DOL	LST						i					SIL	m				Sp	t	Fu	t	Medium grey, moderately BX, strongly DOL altered LST. Core fizzes weakly to moderately with HCl, a minor calcareous component remains or was added to the rock. Some core has a spotted, pellic texture, dark grey, ovular clasts 1-3 mm in size within a white "matrix". Grey, clay crack-seal structures are favorably oriented throughout. Minor Qz structures are seen intermittently. Trace silvery, brittle, botriodal crystals are found within a few scattered open vugs (pyrobitumen?). Minor cBX textures are seen intermittent throughout. Trace brown, glassy mineral with FG, subhedral crystals are associated with Qz structures (sphalerite?). Core is at times harder than typical core (SIL alteration?).
									FR	50		12															Narrow, 1 mm clay filled fractures preferentially oriented 50° TCA. 12 per meter.
			120.22	121.73	1.51	MBL	DOL																				Light to dark grey, FG to CG, DOL altered MBL (?) with CG, milky white to translucent Qz veining. Qz veins and veinlets are randomly oriented, angular with widths 4 mm to 2.4 cm wide. Core is blocky througout. Trace FG sulphides are associated with some ameboidal Qz replacements in carbonate rock. Some core exhibits a recrystallized, light grey marble appearance. (MBL alteration from Qz fluids?)
			124.07	124.40					VN	25																	Metallic yellow, FG, Py vein with very soft clay gouge oriented 25 degrees TCA and is up to 3.5 cm thick. FG yellow Py vein with vFG, dull grey-yellow sulphide veinlets <1mm to 2 mm wide, weakly undulose veinlets crosscutting bright metallic Py mineralization. Narrow <1 mm Py stringers offshoot main vein. A graphic component is seen in the vein composition.
			131.35	132.90					VT	35	6																Narrow, metallic yellow, MG suphide veinlets/fracture filling with milky white, prismatic Qz. Veinlets are preferentially oriented 35° TCA. With some irregular stringers with sinusoidal paths and random orientations.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other					
																	Type	Intensity				Type	Intensity	Type			Intensity		
			132.95	133.25					VT	40										90							x	Metallic yellow to yellow-grey, MG to FG Py vein with minor white, prismatic Qz, oriented 35° to 45° TCA. Margins exhibit replacment textures with irregular, "chewed" vein walls with some encappslulated carbonate rock within the vein. Some open space vugs host prismatic Qz and cubic Py crystals. Narrow yellow stringers shoot off main vein, preferential to fracture or weak cBX structures. ~95% Py, 4% vugs, 1% Qz.	
133.25	147.08	13.83				DOL		MG					s							t			Fu	t					Medium to dark grey, MG to FG sandstone with DOL cement. Grains are visible under handlens, rounded and generally translucent grey Qz and black minerals in FG, light grey cement which fizzed when scratched. On handlens scale, beds with varying grain sizes seen, from beds of very small grains to coarser beds. Some anomalous, curvilinea structures are seen (bioturbation?). Trace metallic yellow Py seen as subhedral disseminations throguhout. Trace fuchsite (?) is present, brilliant green crystals <1 mm in size scattered throughout. Fuchsite origin (replacement?) and textural relationships are unclear.
									BD	60																			Where exhibited, irregular bedding is 60° TCA
				142.33					VT	20	n/a																		White, MG, 4 mm wide, angular DOL vein oriented 20° TCA. TFA angle unavailable.
			141.50	143.50	2.00				VT	n/a	n/a	3																	Narrow, <1 mm wide, sulphide bearing stringers variably oriented and always variably undulose. 3 per meter from 141.50 to 143.50 m.
147.08	176.78	29.70				DOL	LST	BX					i																Dark to light grey, variably BX, FG to MG DOL altered LST. Core fizzes when scratched. sBX to cBX textures dominate. Where breccia textures are absent, core is coarse grained with black and opaque grey grains in DOL matrix. Core alternates from light grey carbonate with black cBX matrix to black LST clasts in light grey sBX matrix.
									BD	55																			Weak bedding is defiend by parallel, FG, dark grey beds in zones of moderately sBX, 50°-70° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									FR	30	90																A preferential fracturing is seen, < 1 mm, black fracture filled structures oriented 30° TCA. Fractures may be related to cBX as main fracture orientation. Other crackling seen offshooting this orientation where cBX textures are stronger. Relationship to bedding is cryptic, ~90°?
			166.06	169.16					VN	60									50								At 167.64 m, a 3.10 m wide Py vein exhibiting replacement textures with some open cavities with white drusy rhombs of dolomite. Some wispy Py stringers offshoot main vein subparallel 40°-75° TCA. Pyrite is variable, bright, MG cubes to dull grey, FG grains replacing carbonate rock as nebulous masses up to 37 cm in size. ~50% Py, 5% dolomite, 45% host rock. A minor calcareous component is seen in vugs, minor fizzing with HCl is seen. Some sulphides are very fine grained, soot, dark dull grey under hand lens. Poor recovery through the interval.
			173.30	174.36					VN	30																	Dark grey to dull yellow Py veining and veinlets in dark grey DOL altered carbonate. FG to MG grey-yellow Py with FG graphite. Mineralization is friable, the core is rubbly. Core is more competent where Py stringers are present, though core fractures very easily along these structures. Veining is oriented subparallel to parallel, ~30° TCA (parallel with fracture orientation?).
176.78	193.85	17.07				VOL	CLY	BD										CLY	ms	t							Grey-green to dark grey, moderate-strongly CLY altered VOL with interbeds of mafic and quartzite (?) rock. Volcaniclastic is typically grey-green, soft with prominent bedding fabric. Interbedding increases with depth in both occurrence and width. Core fractures easily along bedding planes. Py is present as bands parallel with bedding <1 mm to 4 mm wide and as ameboidal masses up to 1.1 cm in size. CLY alteration is moderate-strong, some very soft grey clay and grit lenses are intermittent. Grey-green VOL beds are soft, interbeds are harder.
									BD	55																	Strong bedding, oriented 50° to 60° TCA
									FR	30	0															x	Narrow black parallel fractures oriented 30° TCA and 0° to bedding with narrow, perpendicular "tension gashes" between fractures.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION				MINERALS						Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other			
																	Type	Intensity				Type			Intensity	Type	Intensity	
			187.15	187.45		VOL			CN										t							Dark grey to black, MG, crystalline, mafic (?) bed, uCN and ICN are parallel with bedding, with black, elongate tabular bodies up to 5.7 cm long interspersed in the bed. Igneous textures are seen under hand lens (gabbro?). uCN is defined by a Py band and clay bed contact, 50° TCA. Trace disseminated vFG Py is seen throughout.		
			186.40	186.60		VOL		BD																		Green-grey to grey, interbedded VOL and quartzite(?), MG, equigranular quartzite exhibits white, narrow, "tension" gashes orthogonal to bedding. Weak Py is present along bedding planes and disseminated in quartzite as small, <1-2 mm masses of FG yellow crystals.		
									BD																	Bedding is oriented at 50° TCA.		
			188.98	193.85	4.87	VOL	CLY		CN									CLY	s	w						x	Green-grey to medium grey, interbedded, strongly CLY altered VOL. Clay alteration is strong, rock is deformed, exhibiting shear textures. Clay altered VOL beds are undulose, strained in a common direction. Core is friable along FO planes. ICN is obscured, with interbedding continuing below but becomes more strongly deformed (fault zone?). Weak Py is present as ameboid masses in grey, dolomitic (?) MG, deformed interbeds. A minor calcareous component is present in clay fractures/foliation planes. Bedding becomes shallow and strained with depth. ICN is gradational, core exhibiting tBX textures with deformed VOL interbeds. A general orientation of 50° is exhibited through this zone.	
193.85	201.90	8.05				MX														35			Sm	35	Gn	ms	x	Brick orange to metallic grey-yellow, FG to MG, yellow Py, massive pyrite, smithsonite/sphalerite and galena mineralization. Upper and lower margins of unit exhibit replacement textures, Zn/Pb minerals are present as masses to irregular whispys variably oriented with dull yellow Py, brown smithsonite and silvery galena. Core of the interval is massive mineralization dominated by pyrite and smithsonite/sphalerite. ~35% Py, ~35% smithsonite, 7% Gn, 1% Qz, 20% carbonate rock. Observable in massive Py MX, defined by bands a few mm to cm wide of varying FG to Mg crystal sizes, oriented 50°-55° TCA.
									BN	50																		

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			198.25	199.35	1.10	MX		MA												30			Sm	55	Gn	ms	x	Brown to metallic yellow, FG to MG, massive smithsonite/sphalerite, pyrite MX with galena and trace Qz. FG to MG mineralization typically Zn-carbonate/sulphides with masses to wisps of Py and Gn intermittent throughout. Glassy, MG Sp crystals <1 mm in size appear on fractures and on the walls of small, <1 cm cavities. Milky white Qz is present filling vugs. Some MX follows wispy, parallel structures, crosscutting a weakly banded fabric seen in massive Py MX.
			199.64	200.55					FR	35																		Dark grey, parallel to sub-parallel "fractures" oriented 30°-40° TCA, 1-3 mm thick with MG Qz.
				199.85					VT	30	180																	Dull grey-yellow, FG pyrite veinlets crosscutting MG pyrite are oriented 25°-30° TCA, 180° to Qz fractures.
201.90	222.50	20.60				DOL	LST	BX					i							t								Light to dark grey, variably BX, FG to MG, DOL altered LST. Textures are spotted (oolitic?) to crackled throughout, with cBX generally decreasing with depth. A few stylolitic textures are noted where cBX textures are strong, subparallel to core axis. Trace Py is present in a few, scattered wispy veinlets.
			201.90	203.00		DOL	LST	BX	CN				i							f								Light to medium grey, tBX, intensely DOL altered LST. uCN is sharp, oriented 45° TCA and is defined by a Py band 9.5 cm wide. ICN is oriented at 30° TCA and is defined by contact between tBX and cBX textures. Core is rubbly throughout the subinterval.
				215.27					VT	30																		Metallic yellow, MG Py veinlet oriented 30° TCA, parallel with cBX/fracture orientation at 215.37 m. Core around veinlet is blocky to rubbly, breaking readily along cBX strcutures. Veinlet is 3 mm wide.
			214.85	216.25					BX	30																		A preferential orientation to main cBX fracturing is noted, 30° TCA.
			209.31	216.25					FR	65	0																	Core fractures preferentially at 60°-70° TCA, 0° tc breccia orientation, though TFA measurement ranges from 10° to 270° to the BX orientation.
			217.52	222.50	4.98	DOL	LST																			x	Light to dark grey, intensely DOL altered, moderately BX, oolitic carbonate with <1-3 mm ovular pellets within a MG white matrix. Cryptic fossil textures may be ostracod or triolobite fragments, black, 2-3 mm long, archs to crook-shaped features.	
									BD	65																		Defiend by a weak banding of common pellet sizes and pellet orientations, 60°-70° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									FR	30	310																Parallel to subparallel, dark narrow <1 mm to 1 mm wide fractures/crackling, oriented 25°-30° TCA and 0° to 290° to BD. Past targeted mineralization
				EOH																							

GEOTECHNICAL LOG

HOLE: OC-11-07

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	1.41	93	0.00	0	MS	SW	
1.52	3.00	1.48	1.15	78	0.11	7	MS	SW	
3.00	4.57	1.57	1.23	78	0.13	8	MS	SW	
4.57	6.10	1.53	0.96	63	0.29	19	MS	SW	
6.10	7.80	1.70	1.08	64	0.16	9	MS	SW	
7.80	9.14	1.34	1.37	102	0.43	32	MS	SW	
9.14	10.66	1.52	0.89	59	0.42	28	MS	SW	
10.66	12.19	1.53	0.68	44	0.00	0	MS	SW	
12.19	13.71	1.52	0.53	35	0.20	13	MS	SW	
13.71	15.24	1.53	0.20	13	0.00	0	MS	SW	
15.24	16.85	1.61	1.43	89	0.36	22	MS	FR	
16.85	18.38	1.53	1.50	98	0.21	14	MS	FR	
18.38	19.81	1.43	1.48	103	1.36	95	MS	FR	
19.81	21.34	1.53	1.48	97	1.20	78	MS	FR	
21.34	22.86	1.52	1.51	99	1.13	74	MS	FR	
22.86	24.38	1.52	1.26	83	0.70	46	MS	FR	
24.38	25.91	1.53	1.48	97	0.65	42	MS	FR	
25.91	27.43	1.52	1.49	98	1.04	68	MS	FR	
27.43	28.96	1.53	1.50	98	1.34	88	MS	FR	
28.96	30.48	1.52	1.53	101	1.26	83	MS	FR	
30.48	32.00	1.52	1.46	96	1.09	72	MS	FR	
32.00	33.53	1.53	1.55	101	1.00	65	MS	FR	
33.53	35.05	1.52	1.34	88	0.74	49	MS	FR	
35.05	36.57	1.52	1.52	100	1.20	79	MS	FR	
36.57	38.10	1.53	1.55	101	0.96	63	MS	FR	
38.10	39.62	1.52	1.47	97	1.22	80	S	FR	
39.62	41.15	1.53	1.53	100	1.01	66	MS	FR	
41.15	42.62	1.47	1.45	99	1.13	77	MS	FR	
42.62	44.19	1.57	1.52	97	1.05	67	S	FR	
44.19	45.72	1.53	1.47	96	1.20	78	MS	FR	
45.72	47.24	1.52	1.55	102	1.00	66	MS	FR	
47.24	48.77	1.53	1.48	97	1.13	74	MS	FR	
48.77	50.29	1.52	1.43	94	1.10	72	MS	FR	
50.29	51.82	1.53	1.43	93	0.78	51	MS	FR	
51.82	53.34	1.52	1.45	95	0.81	53	S	FR	
53.34	54.86	1.52	1.42	93	1.03	68	MS	FR	
54.86	56.39	1.53	1.55	101	1.42	93	S	FR	
56.39	57.91	1.52	1.45	95	1.33	88	MS	FR	
57.91	59.44	1.53	1.46	95	0.80	52	MS	FR	
59.44	60.96	1.52	1.50	99	0.67	44	MS	FR	
60.96	62.48	1.52	1.45	95	0.96	63	MS	FR	
62.48	64.01	1.53	1.55	101	1.30	85	MS	FR	
64.01	65.53	1.52	1.55	102	1.01	66	MS	FR	
65.53	67.06	1.53	1.48	97	1.10	72	MS	FR	
67.06	68.58	1.52	1.55	102	1.25	82	MS	FR	
68.58	70.10	1.52	1.50	99	1.32	87	MS	FR	
70.10	71.63	1.53	1.53	100	0.48	31	MS	FR	
71.63	73.15	1.52	1.51	99	0.66	43	MS	FR	
73.15	74.68	1.53	1.55	101	0.90	59	MS	FR	
74.68	76.20	1.52	1.50	99	0.00	0	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.36	89	0.46	30	MS	FR	
77.72	79.25	1.53	1.48	97	0.44	29	MS	FR	
79.25	80.77	1.52	1.52	100	0.53	35	S	FR	
80.77	82.30	1.53	1.55	101	0.83	54	MS	FR	
82.30	83.82	1.52	1.55	102	0.60	39	MS	FR	
83.82	85.34	1.52	1.45	95	0.47	31	S	FR	
85.34	86.87	1.53	1.52	99	1.15	75	MS	FR	
86.87	88.39	1.52	1.40	92	0.70	46	MS	FR	
88.39	89.91	1.52	1.43	94	1.20	79	MS	FR	
89.91	91.44	1.53	1.33	87	0.79	52	MS	FR	
91.44	92.96	1.52	1.40	92	0.81	53	MS	FR	
92.96	94.88	1.92	1.44	75	1.13	59	MS	FR	
94.88	96.01	1.13	1.16	103	0.32	28	MS	FR	
96.01	97.53	1.52	1.30	86	0.76	50	MS	FR	
97.53	99.06	1.53	1.41	92	1.05	69	MS	FR	
99.06	100.58	1.52	1.30	86	1.00	66	MS	FR	
100.58	102.18	1.60	1.05	66	0.20	12	MS	FR	
102.18	103.63	1.45	1.22	84	1.00	69	MS	FR	
103.63	105.16	1.53	1.06	69	0.81	53	MS	SW	
105.16	106.68	1.52	1.49	98	1.49	98	MS	FR	
106.68	108.20	1.52	1.51	99	1.35	89	S	FR	
108.20	109.73	1.53	1.45	95	1.32	86	S	FR	
109.73	111.25	1.52	1.31	86	1.10	72	S	FR	
111.25	112.78	1.53	1.20	78	0.72	47	S	FR	
112.78	114.30	1.52	1.46	96	1.29	85	S	FR	
114.30	115.82	1.52	1.34	88	1.29	85	S	FR	
115.82	117.35	1.53	1.39	91	0.79	52	S	FR	
117.35	118.87	1.52	1.43	94	0.93	61	S	FR	
118.87	120.40	1.53	1.40	92	0.75	49	MS	FR	
120.40	121.92	1.52	1.07	70	0.24	16	MS	FR	
121.92	123.44	1.52	1.05	69	0.54	36	MS	FR	
123.44	124.97	1.53	1.46	95	0.61	40	MS	FR	
124.97	126.49	1.52	1.44	95	1.06	70	MS	FR	
126.49	128.02	1.53	1.55	101	1.13	74	S	FR	
128.02	129.54	1.52	1.45	95	1.31	86	MS	FR	
129.54	131.06	1.52	1.27	84	0.93	61	S	FR	
131.06	132.59	1.53	1.45	95	1.38	90	S	FR	
132.59	134.11	1.52	1.53	101	1.33	87	S	FR	
134.11	135.64	1.53	1.41	92	1.13	74	S	FR	
135.64	137.16	1.52	1.42	93	1.10	72	S	FR	
137.16	138.68	1.52	1.55	102	0.64	42	MS	FR	
138.68	140.21	1.53	1.42	93	0.56	37	MS	FR	
140.21	141.73	1.52	1.47	97	0.86	57	MS	FR	
141.73	143.23	1.50	1.46	97	1.03	69	MS	FR	
143.23	144.78	1.55	1.43	92	0.60	39	MS	FR	
144.78	146.30	1.52	1.23	81	0.00	0	MS	FR	
146.30	147.83	1.53	1.27	83	0.32	21	S	FR	
147.83	149.35	1.52	1.55	102	1.03	68	S	FR	
149.35	150.88	1.53	1.45	95	1.05	69	S	FR	
150.88	152.40	1.52	1.54	101	0.97	64	S	FR	
152.40	153.92	1.52	1.49	98	0.68	45	MS	FR	
153.92	155.45	1.53	1.55	101	1.13	74	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
155.45	156.97	1.52	1.52	100	0.97	64	MS	FR	
156.97	158.50	1.53	1.45	95	1.45	95	S	FR	
158.50	160.02	1.52	1.55	102	0.98	64	S	FR	
160.02	161.54	1.52	1.50	99	1.35	89	S	FR	
161.54	163.07	1.53	1.52	99	1.21	79	S	FR	
163.07	164.59	1.52	1.47	97	0.92	61	MS	FR	
164.59	166.12	1.53	1.02	67	0.64	42	MS	FR	
166.12	167.64	1.52	0.88	58	0.11	7	W	FR	
167.64	169.16	1.52	0.76	50	0.00	0	MS	FR	
169.16	170.69	1.53	1.20	78	0.40	26	MS	FR	
170.69	172.21	1.52	1.55	102	0.80	53	MS	FR	
172.21	173.74	1.53	1.50	98	1.08	71	MS	FR	
173.74	175.26	1.52	1.42	93	0.70	46	MS	FR	
175.26	176.78	1.52	0.75	49	0.00	0	MS	FR	
176.78	178.31	1.53	1.25	82	0.65	42	MS	FR	
178.31	179.83	1.52	1.55	102	0.82	54	MS	FR	
179.83	181.35	1.52	1.55	102	1.15	76	MS	FR	
181.35	182.88	1.53	1.55	101	0.60	39	MS	FR	
182.88	184.40	1.52	1.48	97	0.52	34	MS	FR	
184.40	185.93	1.53	1.53	100	0.50	33	MS	FR	
185.93	187.45	1.52	1.55	102	0.38	25	MS	FR	
187.45	188.98	1.53	1.48	97	0.20	13	MS	FR	
188.98	190.50	1.52	1.46	96	0.15	10	S	FR	
190.50	192.02	1.52	1.54	101	0.86	57	MS	FR	
192.02	193.55	1.53	1.45	95	0.82	54	MS	FR	
193.55	195.07	1.52	1.55	102	0.39	26	S	FR	
195.07	196.59	1.52	1.51	99	0.60	39	MS	FR	
196.59	198.12	1.53	1.44	94	1.02	67	MS	FR	
198.12	199.64	1.52	1.31	86	0.39	26	MS	FR	
199.64	201.17	1.53	1.36	89	0.86	56	S	FR	
201.17	202.69	1.52	1.30	86	0.20	13	S	FR	
202.69	204.22	1.53	1.43	93	0.57	37	MS	FR	
204.22	205.74	1.52	1.30	86	0.60	39	MS	FR	
205.74	207.26	1.52	1.47	97	0.13	9	MS	FR	
207.26	208.79	1.53	1.52	99	0.26	17	MS	FR	
208.79	210.31	1.52	1.53	101	0.70	46	MS	FR	
210.31	211.84	1.53	1.50	98	0.30	20	MS	FR	
211.84	213.36	1.52	1.55	102	0.11	7	MS	FR	
213.36	214.88	1.52	1.52	100	0.12	8	MS	FR	
214.88	216.41	1.53	1.26	82	0.00	0	MS	FR	
216.41	217.93	1.52	1.55	102	0.76	50	MS	FR	
217.93	219.46	1.53	1.54	101	0.27	18	MS	FR	
219.46	220.98	1.52	1.47	97	0.56	37	MS	FR	
220.98	222.50	1.52	1.55	102	0.52	34	MS	FR	E.O.H.

SAMPLE LOG

HOLE: OC-11-07

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
122.06	124.06	2.00	1.37	69	G075081	1	0.14	5	603	
124.06	124.56	0.50	0.45	90	G075082	1	3.32	352	4990	
124.56	126.56	2.00	1.79	90	G075083	1	0.15	7	680	
130.84	132.84	2.00	1.89	95	G075084	1	0.28	15	90	
-	-	-	-	-	G075085	1	651.00	18050	26000	Standard OC-1
132.84	133.34	0.50	0.44	88	G075086	1	4.48	727	1840	
133.34	135.34	2.00	1.87	94	G075087	2	0.21	10	65	
158.50	161.54	3.04	3.04	100	G075088	2	0.10	7	33	
161.54	164.59	3.05	2.94	96	G075089	2	0.07	8	78	
164.59	166.12	1.53	1.06	69	G075090	2	1.01	50	244	
166.12	167.64	1.52	0.85	56	G075091	2	4.47	507	411	
167.64	169.29	1.65	0.90	55	G075092	2	3.34	439	476	
169.29	171.79	2.50	2.18	87	G075093	2	0.30	52	299	
-	-	-	-	-	G075094	2	677.00	18850	26700	Standard OC-1
171.79	173.30	1.51	1.41	93	G075095	2	2.92	735	975	
173.30	174.78	1.48	1.25	84	G075096	2	4.15	320	611	
174.78	176.78	2.00	1.20	60	G075097	2	0.45	48	834	
176.78	179.83	3.05	2.60	85	G075098	2	0.23	21	137	
179.83	182.88	3.05	2.90	95	G075099	2	0.04	12	224	
182.88	185.93	3.05	2.62	86	G075101	2	0.08	7	70	G075100 tag MISSING
185.93	187.45	1.52	1.41	93	G075102	2	0.10	14	41	
187.45	189.79	2.34	2.01	86	G075103	2	0.32	22	49	
189.79	192.02	2.23	1.84	83	G075104	2	0.43	24	39	
192.02	193.85	1.83	1.46	80	G075105	2	31.00	14450	14450	
193.85	195.80	1.95	1.69	87	G075106	2	162.00	66300	214000	
193.85	195.80	1.95	1.69	87	G075107	2	173.00	75300	261000	Duplicate of G075106
195.80	196.74	0.94	0.94	100	G075108	2	7.89	939	45900	
196.74	198.25	1.51	1.44	95	G075109	2	73.40	20700	89800	
198.25	199.35	1.10	0.91	83	G075110	2	52.70	5000	408700	
199.35	201.90	2.55	2.33	91	G075111	2	38.50	9020	146500	
-	-	-	-	-	G075112	2	0.08	31	334	Blank HQ
201.90	203.90	2.00	1.27	64	G075113	2	21.20	11100	14200	
203.90	205.90	2.00	1.68	84	G075114	2	0.05	19	95	

SAMPLE LOG

[illegible]

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-07

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			0.00	
3.00			0.03	
4.00			0.00	
5.00			0.05	
6.00			0.01	
7.00			0.03	
8.00			0.01	
9.00			0.03	
10.00			0.02	
11.00			0.03	
12.00			0.05	
13.00			0.03	
14.00			N/A	
15.00			0.01	
16.00			0.01	
17.00			0.01	
18.00			0.03	
19.00			0.01	
20.00			0.01	
21.00			0.03	
22.00			0.01	
23.00			0.03	
24.00			0.01	
25.00			0.01	
26.00			0.03	
27.00			0.05	
28.00			0.08	
29.00			0.01	
30.00			0.01	
31.00			0.03	
32.00			0.01	
33.00			0.01	
34.00			0.01	
35.00			0.05	
36.00			0.03	
37.00			0.04	
38.00			0.03	
39.00			0.03	
40.00			0.05	
41.00			0.05	
42.00			0.15	
43.00			0.06	
44.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.13	
46.00			0.06	
47.00			0.10	
48.00			0.03	
49.00			0.05	
50.00			0.01	
51.00			0.00	
52.00			0.00	
53.00			0.03	
54.00			0.01	
55.00			0.03	
56.00			0.03	
57.00			0.00	
58.00			0.01	
59.00			0.05	
60.00			0.03	
61.00			0.05	
62.00			0.05	
63.00			0.06	
64.00			0.00	
65.00			0.01	
66.00			0.00	
67.00			0.01	
68.00			0.05	
69.00			0.01	
70.00			0.06	
71.00			0.03	
72.00			0.03	
73.00			0.03	
74.00			0.01	
75.00			0.06	
76.00			0.03	
77.00			0.01	
78.00			0.01	
79.00			0.03	
80.00			0.00	
81.00			0.01	
82.00			0.05	
83.00			0.03	
84.00			0.00	
85.00			0.03	
86.00			0.00	
87.00			0.06	
88.00			0.01	
89.00			0.08	
90.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.03	
93.00			0.01	
94.00			0.12	
95.00			0.03	
96.00			0.01	
97.00			0.00	
98.00			0.01	
99.00			0.01	
100.00			0.01	
101.00			0.01	
102.00			0.05	
103.00			0.03	
104.00			0.00	
105.00			0.03	
106.00			0.01	
107.00			0.05	
108.00			0.03	
109.00			0.03	
110.00			0.01	
111.00			0.03	
112.00			0.06	
113.00			0.01	
114.00			0.01	
115.00			0.06	
116.00			0.01	
117.00			0.03	
118.00			0.01	
119.00			0.03	
120.00			0.03	
121.00			0.05	
122.00			0.03	
123.00			0.03	
124.00			0.03	
125.00			0.06	
126.00			0.03	
127.00			0.01	
128.00			0.03	
129.00			0.03	
130.00			0.01	
131.00			0.05	
132.00			0.01	
133.00			0.05	
134.00			0.00	
135.00			0.01	
136.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.00	
138.00			0.03	
139.00			0.03	
140.00			0.05	
141.00			0.05	
142.00			0.03	
143.00			0.03	
144.00			0.03	
145.00			0.01	
146.00			0.01	
147.00			0.01	
148.00			0.01	
149.00			0.03	
150.00			0.00	
151.00			0.00	
152.00			0.00	
153.00			0.03	
154.00			0.03	
155.00			0.03	
156.00			0.00	
157.00			0.03	
158.00			0.00	
159.00			0.08	
160.00			0.05	
161.00			0.03	
162.00			0.00	
163.00			0.01	
164.00			0.03	
165.00			0.08	
166.00			0.01	
167.00			0.11	
168.00			0.11	
169.00			0.03	
170.00			0.00	
171.00			0.03	
172.00			0.06	
173.00			0.05	
174.00			0.08	
175.00			0.03	
176.00			0.01	
177.00			0.06	
178.00			0.03	
179.00			0.06	
180.00			0.35	
181.00			0.26	
182.00			0.23	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.16	
184.00			0.02	
185.00			0.10	
186.00			0.13	
187.00			0.05	
188.00			0.01	
189.00			0.06	
190.00			0.11	
191.00			0.31	
192.00			0.03	
193.00			0.01	
194.00			0.05	
195.00			0.05	
196.00			0.08	
197.00			0.08	
198.00			0.08	
199.00			0.13	
200.00			0.13	
201.00			0.03	
202.00			0.01	
203.00			0.03	
204.00			0.08	
205.00			0.06	
206.00			0.01	
207.00			0.00	
208.00			0.08	
209.00			0.03	
210.00			0.03	
211.00			0.05	
212.00			0.03	
213.00			0.08	
214.00			0.03	
215.00			0.01	
216.00			0.01	
217.00			0.01	
218.00			0.01	
219.00			0.00	
220.00			0.01	
221.00			0.01	
222.00			0.01	E.O.H.

BOX LOG

HOLE: OC-11-07

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	3.61	36	141.37	145.10
2	3.61	8.21	37	145.10	149.25
3	8.21	13.71	38	149.25	153.15
4	13.71	18.93	39	153.15	156.97
5	18.93	22.58	40	156.97	160.94
6	22.58	26.66	41	160.94	164.92
7	26.66	30.71	42	164.92	170.05
8	30.71	34.65	43	170.05	174.03
9	34.65	38.68	44	174.03	179.80
10	38.68	42.52	45	179.80	182.43
11	42.52	46.58	46	182.43	185.93
12	46.58	50.62	47	185.93	189.20
13	50.62	54.52	48	189.20	193.30
14	54.52	58.43	49	193.30	196.74
15	58.43	62.35	50	196.74	201.05
16	62.35	66.05	51	201.05	205.35
17	66.05	70.10	52	205.35	208.79
18	70.10	74.06	53	208.79	212.45
19	74.06	77.72	54	212.45	216.25
20	77.72	81.82	55	216.25	219.67
21	81.82	85.81	56	219.67	222.50
22	85.81	89.62	EOH		
23	89.62	93.55			
24	93.55	97.53			
25	97.53	102.00			
26	102.00	106.15			
27	106.15	110.06			
28	110.06	114.18			
29	114.18	118.01			
30	118.01	121.73			
31	121.73	125.54			
32	125.54	129.54			
33	129.54	133.40			
34	133.40	137.45			
35	137.45	141.37			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+100E	10+000N	517086	7127512	758	301.76

ZONE: OCELOT

SECTION: 10+100E

HOLE: OC-11-09

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 2.13 (m) out

Drilling dates: May 3 to 8, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-70.0	compass	164.59	195.0	-70.9	Ranger
42.67	195.0	-70.3	Ranger	210.31	195.0	-70.6	Ranger
88.39	195.0	-70.5	Ranger	256.04	195.0	-70.7	Ranger
118.87	195.0	-70.7	Ranger	301.76	195.0	-70.5	Ranger

TARGET: Down dip extension of mineralization intersected in OC-11-06 and OC-11-07

[illegible]

SAMPLES
Numbers: G075115 to G075125
Total: <u>11</u>
Batch: <u>2, 3</u>
Certificate: WH11082125, WH11089268, WH11081012
WH11094343

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-09

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
0.00	1.15	1.15				OVB																					Overburden, dark brown organic mat and brown soils with fractured DOL altered LST bedrock. Seams of soil are down into bedrock to 1.15 m.	
1.15	41.26	40.11				DOL	LST	BX					i					SIL	ms							x	Medium to dark grey, variably brecciated, intensely DOL altered LST. Core appears variably crackled to mottled, intermittent vugs are associated with silicic alteration in minor intervals of sBX textures. Some vugs host a metallic FG-MG grey mineral (tetrahedrite? graphite?)	
																												Buff to medium grey, intensely DOL altered LST with moderate weathering. Core appears as bleached-buff tan to fresh grey carbonate with brick red and rusty orange staining on fracture faces. Weathering alteration decreases with depth and becomes absent below 15.90 m. Core is variably BX in texture, narrow black crackling overprints cryptic, sBX or dolomitic vein textures. Core is rubbly to blocky.
			1.15	15.90	14.75	DOL	LST	BX					i					WEA	ms									Dark grey to brown, DOL altered LST with strong clay alteration along fractures. Core is blocky to rubbly with some grit within the soft grey clay seams.
			12.60	12.97	0.37	DOL	CLY						i					CLY	s									
									FR	40																		
			14.82	21.98	7.16	DOL	LST	BX					i							t						x	Medium to dark grey, intensely DOL altered, strongly cBX LST. A graphitic component is seen within the cBX matrix. Core fractures easily along cBX structures. The core is blocky to rubbly, more broken where cBX is strongest. Trace vFG Py is present within the crackle breccia matrix.	
									BX	40																		A major orientation to cBX fracturing, 30 to 50 degrees TCA.
			29.41	34.26	4.85	DOL	LST	BX					i									Tt	w			x	Medium to light grey, mottled to moderately sBX, intensely DOL altered LST with gun metal grey, MG to FG, tetrahedral to botrioidal sulphide(?) with Qz filled replacements/vugs. Qz and "tetrahedrite" occupy open spaces in sBX matrix and Qz veins/replacements. The majority of core is mottled, light to medium grey core with intervals up to 30 cm wide of sBX where medium grey clasts with white dolomite rims and FG black minerals (tetrahedrite? graphite?).	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity				
				29.56					VT	30													Tt	ms			Qz-Tt vein, replacing LST oriented 30-35 degrees TCA, 14 cm wide at 29.56 m with black-metallic grey, FG-MG tetrahedrite and white quartz with MG, toothy white dolomite.
			33.50	34.26	0.76				VT	35																	White to dark metallic grey, Qz and Tt(?) veining oriented 35° TCA. Qz and white Dol present as replacements with CG veins and vugs with open vugs. Tetrahedral to botroidal metallic crystals are on the cavities of open vugs. Qz crystals present as prismatic crystals 3 mm to 1.3 cm long.
41.26	71.84	30.58				DOL	LST	MO					i					SIL	m								Medium to light grey, mottled to banded (MBL?), variably silicic, weakly calcareous, strongly DOL altered carbonate rock. Core is mottled where most strongly SIL alteredand hosts FG sulphides in open vugs. Where banded, MBL-like textures present, sucrosic DOL with light and dark grey parallel bands. Bands and bedding structures parallel to bedding.
			44.26	46.35	2.09	DOL	SIL	MO					i					SIL	s				Tt	t			Medium to light grey, mottled, intensely DOL altered, strongly silicic carbonate with trace scattered vugs <1 cm in size. SIL appears to be bands of alteration, mottled textures are weakly aligned with contacts of subunit. Trace dark metallic sulphides as rims on clasts to veinlets oriented parallel with alteration fabric. Core is slick, holds water well and is harder than typical core. Core is MG, sugary in texture (MBL?).
									BN	40																	A banded texture is seen in mottling, oriented 30° 50° TCA.
				44.26					CN	50																	uCN is defined by a change to mottled textures below massive, grey DOL at 44.26 m, oriented 50° TCA.
			55.24	59.38	4.14	MBL	DOL	BN					i					MBL	s								Light to medium grey, MG, banded, dolomitic marble.
			59.20	62.50	3.00				FR	45	270	10															Commonly oriented fracturing, 45° TCA, 270° to BD, around 10 per meter.
			61.15	62.90	1.75				BD	45																	Parallel banding and marble banding, 61.15 to 62.90 m, 40° to 50° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
71.84	92.98	21.14				DOL	SIL	MO					i					SIL	s				Tt	t			Light to dark grey, mottled, DOL altered, strongly SIL altered carbonate rock with vFG to MG, dark grey metallic mineral within vugs and Qz structures. Dark grey, hard Qz replacements of LST are present as blobs throughout. Vugs are 3 mm to 5.9 cm in size with vFG sulphide dustings on drusy Qz and dolomite. Mottling textures exhibit a preferential orientation.
									FA	45																	Mottled texture with a fabric oriented 35°-50°TCA with wispy masses elongate along that orientation. Parallel fractures through core are oriented 45°-65' TCA, 290° to FA. 8 per meter.
									FR	50	290	8															Translucent grey, 1 mm Qz veinlets/fracture fills, oriented 30°-40° TCA, 0° to FA and 4 per meter.
			74.12	74.90	0.78				VT	30	0	4															Dark to medium grey, mottled, intensely SIL altered carbonate. Core is hard and slick. Translucent dark grey Qz replaced carbonate with medium to light grey ameboidal "clasts" within Qz masses. Trace white dolomitic fracture fills 1-5 mm wide are present with random orientations intermittent throughout.
			71.84	77.85	6.01	DOL	LST	MO					i					SIL	i							x	Translucent light grey Qz veinlet oriented 45° TCA, 0° to FO, 2-4 mm wide and undulose.
				78.48																							Medium to dark grey, MG, moderate-strongly SIL altered dolomitic marble. Light to dark grey sucrosic marble banding exhibited with minor Qz blebs elongate parallel with MBL banding. A few narrow Qz veinlets are present shallow TCA. Narrow, grey Qz fractures crosscut marble banding and Qz structures.
			80.45	81.47	1.02	MBL	SIL	BN					i					MBL	i								Marble banding is oriented 50°-55° TCA
									BN	50								SIL	ms								Narrow, Qz filled fractures with translucent grey Qz, <1 mm to 2 mm thick crosscutting Qz masses and MBL banding, 25°-35° TCA and 0° to marble banding.
									VT	30	0	4															

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity				
92.98	208.48	115.50				DOL	LST	BX	CN				i					SIL	m				Tt	t			Medium to light grey, variably BX, intensely DOL altered LST with moderate SIL alteration. Core is generally sBX to cBX with some intervals of MBL and tBX textures. Typical core appears as medium grey, massive carbonate with intermittent sBX textures with subrounded LST clasts with toothy, white DOL matrix. Minor gun metal grey FG-MG sulphides (tetrahedrite?) and weak, black graphitic cBX overprints sBX, and has a silicic component to crackle structures. A few open vugs are present intermittently, largely with white dolomite rhombs and trace Tt dustings. uCN is gradational from strong SIL alteration to moderate. Some core is harder than typical, but not as hard as more silicic core.
									BD	n/a																	Bedding textures are largely absent
			104.95	107.95	3.00	DOL	LST	BX	CN				i													x	Medium to dark grey, FG to MG, intensely DOL altered LST conglomerate. Clasts are polyolithic, rounded with some exhibiting bedding. Clasts range in size from 1 mm to 7.5 cm (or larger), medium to light grey within a black, FG matrix. Rock is variably clast to matrix supported with clasts oriented randomly. uCN is abrupt, oriented 55° TCA. ICN is gradational, textures appear deformed and sheared approaching a sulphide vein below.
			107.95	108.27	0.32	MX	VN		VN	n/a										7			Sp	5	Qz	10	Metallic yellow to brick red to white, FG to MG, Py-Sp-Qz vein. Masses of pyrite are rimmed with Mgred sphalerite(smithsonite?) and white DOL with interstitial translucent Qz. Mineralization is present as replacments to a breccia matrix texture. Core is broken, orientation is obscured. The ICN is sharp, defined by a Py band, oriented at 40° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			108.27	109.55	1.28	DOL	LST	BX	CN				i						t							Dark to medium grey, FG to CG, brecciated DOL altered LST. A calcareous component remains or was added to core with minor to moderate fizzing with HCl on black breccia matrix. Core is dark grey, angular clasts up to 4.9 cm in size with a white, toothy DOL matrix becoming black and fine grained with MG-CG, rectangular euhedral white crystals (dolomite?) supporting BX clasts. uCN is defined by Py band. Trace Py is present as irregular, <1 to 2 mm wide stringers through BX structures with random orientation immediately below uCN. A graphitic component to BX is seen, soft, grey, metallic coatings are present on some fracture faces. ICN is abrupt, defined by dark grey BX and a light grey MBL-cBX contact.	
									CN	65																	ICN is oriented at 65° TCA.
			112.52	118.13	5.61	MBL	DOL	BX					i														Light grey, MG, dolomitic marble with variable BX. Core is light grey, sucrosic MG DOL with black, graphitic cBX and minor toothy, white DOL sBX. Weak banding is infrequent, but commonly oriented.
									BN	50																	Weak marble banding is oriented at 50° TCA
			127.12	138.89	11.77	DOL	LST	BD																			Dark to medium grey, thinly bedded, intensely DOL altered LST. Beds are undulose, alternating dark to lighter grey carbonate with thicknesses of <1 mm to 3 mm thick. Some beds are broken or deformed. Some minor vugs are present, <1 cm in size with FG dolomite rhombs on cavity walls.
									BD	45																	Narrow beds commonly oriented at 45° TCA
			146.40	146.53	0.13	DOL	LST	BX					i										Gr	s			Dark grey, intensely BX, graphitic DOL altered LST. Very strong cBX to mBX textures with a graphitic matrix with metallic grey, soft coatings on fracture faces to sooty partings that smear between fingertips.
			158.21	196.74	38.53	DOL	LST						i				SIL	m									Dark to medium grey, FG to MG, intensely DOL altered, variably SIL altered, fossiliferous LST. Fossils present are gastropods, ostracods and favocitid coral fragments. Bedding is massive, with fossiliferous beds divided by mottled (bioturbation) beds of DOL altered carbonate. SIL alteration is local to favocitid coral fragments, where core is harder than typical.
									BD	50																	Bedding is defined by mottled fabric, commonly elongate at 50° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION				MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other		
																	Type	Intensity				Type			Intensity	Type	Intensity
			198.75	208.48	9.73	DOL	LST	BD											t							Dark to medium grey, interbedded FG LST and light to medium grey, MG-CG "sandstone"(oolite grainstone?). Dark, FG beds up to 2.7 m wide, coarser beds up to 1.9 m wide with <1-3 mm rounded grey dolomitic grains in a light grey dolomite matrix. Some beds have undulose, irregular structures 0.6 to 1.5 cm in size. Narrowest interbeds are at 205.50 m, 2 mm to 9 mm thick. Trace FG, Py is present as irregular stringers variably oriented with FG, dark beds.	
									BD	50																Defined by strong bedding fabric oriented at 50° TCA.	
208.48	228.78	20.30				MBL	DOL	BN					i					MBL	s							Light to medium grey, MG, variably BX, DOL MBL. Core is light grey with narrow, dark grey interbeds that are variably deformed or broken. Black cBX textures are weak, but increase with depth. Though a MG MBL texture is pervasive, bedding textures are still evident. Trace stylolitic structures with random orientations seen approaching ICN, though some are commonly oriented. The ICN is irregular with irregular VOL blobs incorporated into MBL rock.	
									BD	45																Relict bedding is variably deformed and oriented, generally at 45° TCA.	
									ST	45	0															Narrow, saw tooth-like black stylolites, variably oriented, though a common orientation between several structures are parallel with bedding.	
228.78	240.87	12.09				VOL		BD										BLE		w						Light grey-green, FG, bedded VOL. A strong bedding fabric is pervasive throughout with FG, soft light grey-green beds with Py and interbeds or clasts of a light grey, MG, silicic, weakly dolomitic rock up to 23 cm wide. Core is blocky, fracturing preferentially along bedding planes. Pyrite content is weak, presenting itself as vFG disseminations to bands and masses of FG to MG, subhedral yellow crystals. Bands of Py run parallel to bedding. Masses are elongate at variable angles up to 2.9 cm long. The light grey colour is of interest, bleaching? Removal of Fe?	
									BD	50																Bedding is strong, oriented at 50° TCA	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			239.74	240.01	0.27	GAB		MG	CN										t							x	Dark grey to black, MG to CG, mafic layer within grey-green volcanoclastic. Rock is medium grained, exhibiting igneous textures with black mineral grains with grey quartz. uCN and ICN are sharp, parallel to subparallel with bedding, oriented 50° and 45° respectively. Trace Py is present in an irregular, 2-4 mm wide stringer 5 mm above the uCN.	
240.87	301.75	60.88				DOL	LST	BX					i															Light to dark grey, FG to CG, variably BX, intensely DOL altered LST. Core is rubbly to competent, becoming lighter and less broken with depth. Some textures are marble-like, thick beds of ooid grainstone are also seen. cBX is variable throughout, core is rubbly where cBX is strongest. Trace stylolites are seen intermittently throughout.
			240.87	242.56	1.69	DOL	LST	BX														Gr	t					Dark to medium grey, intensely DOL altered, intensely cBX carbonate rock. Core is rubbly to gritty, fracturing along cBX structures leaving generally <1 cm, angular clasts. Some fracture faces graphitic.
			268.34	268.98	0.64	DOL	LST	ST					i				SIL	s								x	Light to dark grey, intensely DOL altered, partially grainstone LST. Core exhibits rehealed textures and dissolution, white and dark grey carbonate masses are seen against each other with stiched stylolitic margins. Qz replacement is seen with irregular masses of grey, translucent Qz blobs up to 2.1 cm in size.	
			269.30	284.78	15.48	DOL	LST	CG					i													x	Light to medium grey, CG, intensely DOL altered grainstone carbonate. Ooids 1-3 mm, ovular in shape with medium grey rims throughout with a white, FG dolomitic cement. Bedding textures are not evident.	
			284.78	297.22	12.44	MBL	DOL	MG					i				MBL	s										Light to medium grey, sucrosic, MBL with irregular stylolites and light grey grainstone interbeds up to 2.8 m wide. Weak narrow black fracturing is intermittent and variably oriented. Core is competent and fractures irregularly.
			299.55	299.73	0.18	MBL	DOL	BX	CN				i				MBL	s								x		Light to dark grey, strongly cBX, intensely DOL altered MBL with a stylolite overprinting cBX. Dissolution along the stylolite truncates and obscures the margin of cBX textures. FG, black crackle matrix shatters the MBL. The orientation of the uCN is shallow, defined by the stylolite-cBX margin, oriented 25 degees TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
				301.76																						EOH. Past targeted depth. No visible Py-Zn MX, hole shut down.	

GEOTECHNICAL LOG

HOLE: OC-11-09

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	1.40	92	0.00	0	w	sw	
1.52	3.05	1.53	1.50	98	0.00	0	w	sw	
3.05	4.57	1.52	1.30	86	0.00	0	w	sw	
4.57	6.10	1.53	1.35	88	0.00	0	w	sw	
6.10	7.62	1.52	1.53	101	0.32	21	w	sw	
7.62	9.14	1.52	1.47	97	0.70	46	ms	sw	
9.14	10.67	1.53	1.54	101	0.45	29	ms	sw	
10.67	12.19	1.52	1.47	97	0.20	13	w	sw	
12.19	13.72	1.53	1.53	100	0.30	20	w	sw	
13.72	15.24	1.52	1.48	97	0.28	18	ms	sw	
15.24	16.76	1.52	1.53	101	1.34	88	ms	fr	
16.76	18.29	1.53	1.40	92	0.62	41	ms	fr	
18.29	19.81	1.52	1.43	94	0.20	13	ms	fr	
19.81	21.34	1.53	1.45	95	0.00	0	ms	fr	
21.34	22.86	1.52	1.52	100	0.41	27	s	fr	
22.86	24.38	1.52	1.28	84	0.50	33	s	fr	
24.38	25.91	1.53	1.47	96	0.75	49	s	fr	
25.91	27.43	1.52	1.25	82	0.00	0	s	fr	
27.43	28.96	1.53	1.48	97	0.00	0	s	fr	
28.96	30.48	1.52	1.42	93	1.07	70	ms	fr	
30.48	32.00	1.52	1.43	94	0.92	61	s	fr	
32.00	33.53	1.53	1.52	99	0.64	42	ms	fr	
33.53	35.05	1.52	1.55	102	0.70	46	ms	fr	
35.05	36.57	1.52	1.55	102	0.82	54	s	fr	
36.57	38.10	1.53	1.55	101	0.55	36	ms	fr	
38.10	39.62	1.52	1.30	86	0.25	16	ms	fr	
39.62	41.15	1.53	1.35	88	0.25	16	s	fr	
41.15	42.67	1.52	1.52	100	0.90	59	s	fr	
42.67	44.20	1.53	0.75	49	0.50	33	s	fr	
44.20	45.72	1.52	1.53	101	1.00	66	s	fr	
45.72	47.24	1.52	1.55	102	1.16	76	s	fr	
47.24	48.77	1.53	1.52	99	1.03	67	ms	fr	
48.77	50.29	1.52	1.42	93	0.15	10	s	fr	
50.29	51.82	1.53	1.15	75	0.10	7	ms	fr	
51.82	53.34	1.52	1.32	87	0.28	18	ms	fr	
53.34	54.86	1.52	1.37	90	0.51	34	ms	fr	
54.86	56.39	1.53	1.50	98	0.76	50	s	fr	
56.39	57.91	1.52	1.30	86	0.72	47	s	fr	
57.91	59.44	1.53	1.53	100	0.64	42	s	fr	
59.44	60.96	1.52	1.52	100	0.60	39	s	fr	
60.96	62.48	1.52	1.46	96	0.66	43	ms	fr	
62.48	64.01	1.53	1.54	101	0.12	8	ms	fr	
64.01	65.53	1.52	1.33	88	0.82	54	s	fr	
65.53	67.06	1.53	1.55	101	0.62	41	ms	fr	
67.06	68.58	1.52	1.53	101	0.15	10	ms	fr	
68.58	70.10	1.52	1.55	102	0.91	60	s	fr	
70.10	71.63	1.53	1.52	99	1.12	73	s	fr	
71.63	73.15	1.52	1.46	96	0.52	34	s	fr	
73.15	74.67	1.52	1.44	95	0.90	59	s	fr	
74.67	76.20	1.53	1.55	101	1.20	78	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.52	100	1.18	78	s	fr	
77.72	79.25	1.53	1.55	101	1.32	86	s	fr	
79.25	80.77	1.52	1.44	95	1.39	91	s	fr	
80.77	82.29	1.52	1.55	102	1.52	100	s	fr	
82.29	83.82	1.53	1.55	101	1.54	101	s	fr	
83.82	85.34	1.52	1.39	91	1.36	89	s	fr	
85.34	86.87	1.53	1.47	96	1.42	93	s	fr	
86.87	88.39	1.52	1.53	101	1.53	101	s	fr	
88.39	89.92	1.53	1.55	101	1.55	101	s	fr	
89.92	91.44	1.52	1.41	93	1.33	88	s	fr	
91.44	92.96	1.52	1.52	100	1.27	84	s	fr	
92.96	94.49	1.53	1.45	95	1.38	90	s	fr	
94.49	96.01	1.52	1.47	97	1.28	84	s	fr	
96.01	97.53	1.52	1.52	100	1.06	70	s	fr	
97.53	99.06	1.53	1.53	100	0.44	29	s	fr	
99.06	100.58	1.52	1.46	96	1.32	87	ms	fr	
100.58	102.11	1.53	1.55	101	0.95	62	s	fr	
102.11	103.63	1.52	1.25	82	1.03	68	s	fr	
103.63	105.16	1.53	1.49	97	1.47	96	s	fr	
105.16	106.68	1.52	1.46	96	1.21	80	s	fr	
106.68	108.20	1.52	1.37	90	0.94	62	s	fr	
108.20	109.73	1.53	1.13	74	0.68	44	ms	fr	
109.73	111.25	1.52	1.29	85	0.27	18	ms	fr	
111.25	112.78	1.53	1.41	92	1.27	83	s	fr	
112.78	114.30	1.52	1.55	102	1.29	85	s	fr	
114.30	115.82	1.52	1.40	92	0.97	64	s	fr	
115.82	117.35	1.53	1.48	97	1.05	69	s	fr	
117.35	118.87	1.52	1.54	101	0.73	48	s	fr	
118.87	120.40	1.53	1.52	99	1.35	88	s	fr	
120.40	121.92	1.52	1.55	102	1.50	99	s	fr	
121.92	123.44	1.52	1.31	86	0.96	63	s	fr	
123.44	124.97	1.53	1.39	91	1.10	72	s	fr	
124.97	126.49	1.52	1.33	88	1.03	68	s	fr	
126.49	128.02	1.53	1.49	97	1.45	95	s	fr	
128.02	129.54	1.52	1.55	102	1.40	92	s	fr	
129.54	131.06	1.52	1.46	96	0.77	51	s	fr	
131.06	132.59	1.53	1.52	99	0.75	49	ms	fr	
132.59	134.11	1.52	1.55	102	0.35	23	ms	fr	
134.11	135.64	1.53	1.48	97	0.56	37	ms	fr	
135.64	137.16	1.52	1.52	100	0.62	41	ms	fr	
137.16	138.68	1.52	1.55	102	0.64	42	ms	fr	
138.68	140.21	1.53	1.53	100	1.00	65	ms	fr	
140.21	141.73	1.52	1.52	100	0.46	30	s	fr	
141.73	143.26	1.53	1.40	92	0.80	52	s	fr	
143.26	144.28	1.02	1.55	152	0.78	76	ms	fr	
144.28	146.30	2.02	1.53	76	0.69	34	s	fr	
146.30	147.83	1.53	1.55	101	0.23	15	s	fr	
147.83	149.35	1.52	1.54	101	0.62	41	s	fr	
149.35	150.88	1.53	1.55	101	0.70	46	s	fr	
150.88	152.40	1.52	1.45	95	0.80	53	ms	fr	
152.40	153.92	1.52	1.50	99	0.52	34	ms	fr	
153.92	155.45	1.53	1.42	93	0.60	39	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
155.45	156.97	1.52	1.55	102	0.70	46	ms	fr	
156.97	158.50	1.53	1.50	98	0.41	27	ms	fr	
158.50	160.02	1.52	1.55	102	0.87	57	ms	fr	
160.02	161.54	1.52	1.47	97	0.84	55	s	fr	
161.54	163.06	1.52	1.55	102	1.31	86	s	fr	
163.06	164.59	1.53	1.48	97	1.27	83	s	fr	
164.59	166.11	1.52	1.55	102	0.40	26	ms	fr	
166.11	167.64	1.53	1.32	86	0.20	13	s	fr	
167.64	169.16	1.52	1.55	102	0.83	55	ms	fr	
169.16	170.68	1.52	1.50	99	0.86	57	ms	fr	
170.68	172.21	1.53	1.55	101	1.25	82	ms	fr	
172.21	173.74	1.53	1.50	98	0.90	59	ms	fr	
173.74	175.26	1.52	1.55	102	0.53	35	s	fr	
175.26	176.78	1.52	1.36	89	0.70	46	ms	fr	
176.78	178.31	1.53	1.53	100	0.59	39	ms	fr	
178.31	179.83	1.52	1.53	101	0.90	59	ms	fr	
179.83	181.35	1.52	1.56	103	0.54	36	ms	fr	
181.35	182.88	1.53	1.55	101	1.20	78	ms	fr	
182.88	184.40	1.52	1.50	99	0.33	22	ms	fr	
184.40	185.93	1.53	1.50	98	1.00	65	ms	fr	
185.93	187.45	1.52	1.50	99	1.45	95	ms	fr	
187.45	188.97	1.52	1.30	86	0.70	46	ms	fr	
188.97	190.50	1.53	1.55	101	1.20	78	ms	fr	
190.50	192.02	1.52	1.45	95	0.73	48	s	fr	
192.02	193.54	1.52	1.46	96	0.60	39	ms	fr	
193.54	195.07	1.53	1.51	99	0.96	63	ms	fr	
195.07	196.59	1.52	1.55	102	0.85	56	s	fr	
196.59	198.12	1.53	1.50	98	1.00	65	s	fr	
198.12	199.64	1.52	1.53	101	1.10	72	ms	fr	
199.64	201.16	1.52	1.50	99	0.90	59	ms	fr	
201.16	202.69	1.53	1.55	101	1.05	69	ms	fr	
202.69	204.21	1.52	1.46	96	0.98	64	ms	fr	
204.21	205.74	1.53	1.51	99	0.96	63	ms	fr	
205.74	207.26	1.52	1.47	97	1.15	76	ms	fr	
207.26	208.78	1.52	1.55	102	0.90	59	ms	fr	
208.78	210.31	1.53	1.50	98	0.60	39	ms	fr	
210.31	211.83	1.52	1.50	99	0.15	10	ms	fr	
211.83	213.36	1.53	1.45	95	0.45	29	ms	fr	
213.36	214.88	1.52	1.55	102	0.78	51	ms	fr	
214.88	216.40	1.52	1.40	92	0.50	33	ms	fr	
216.40	217.93	1.53	1.50	98	0.20	13	ms	fr	
217.93	219.45	1.52	1.50	99	0.30	20	ms	fr	
219.45	220.98	1.53	1.49	97	0.80	52	ms	fr	
220.98	222.50	1.52	1.55	102	0.80	53	ms	fr	
222.50	224.20	1.70	1.55	91	0.90	53	ms	fr	
224.20	225.55	1.35	1.45	107	0.55	41	ms	fr	
225.55	227.07	1.52	1.50	99	0.25	16	ms	fr	
227.07	228.60	1.53	1.53	100	0.15	10	ms	fr	
228.60	230.12	1.52	1.40	92	0.65	43	s	fr	
230.12	231.62	1.50	1.43	95	0.83	55	ms	fr	
231.65	233.12	1.47	1.42	97	0.81	55	ms	fr	
233.12	234.70	1.58	1.41	89	0.72	46	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
234.70	236.22	1.52	1.40	92	0.71	47	ms	fr	
236.22	237.74	1.52	1.50	99	0.20	13	ms	fr	
237.74	239.27	1.53	1.52	99	0.12	8	ms	fr	
239.27	240.79	1.52	1.35	89	0.59	39	ms	fr	
240.79	242.32	1.53	1.00	65	0.00	0	ms	fr	
242.32	243.84	1.52	1.08	71	0.00	0	ms	fr	
243.84	245.36	1.52	1.32	87	0.00	0	ms	fr	
245.36	246.89	1.53	1.35	88	0.37	24	ms	fr	
246.89	248.41	1.52	1.28	84	1.04	68	s	fr	
248.41	249.94	1.53	1.34	88	0.44	29	s	fr	
249.94	251.46	1.52	1.30	86	0.15	10	s	fr	
251.46	252.98	1.52	1.23	81	0.33	22	ms	fr	
252.98	254.51	1.53	1.26	82	0.25	16	ms	fr	
254.51	256.03	1.52	1.31	86	0.85	56	ms	fr	
256.03	257.56	1.53	1.39	91	0.51	33	ms	fr	
257.56	259.08	1.52	1.35	89	1.00	66	ms	fr	
259.08	260.60	1.52	0.97	64	0.18	12	ms	fr	
260.60	262.13	1.53	1.18	77	0.14	9	ms	fr	
262.13	263.68	1.55	1.30	84	0.16	10	ms	fr	
263.68	265.17	1.49	1.25	84	0.57	38	s	fr	
265.17	266.70	1.53	1.10	72	0.00	0	ms	fr	
266.70	268.22	1.52	1.12	74	0.00	0	ms	fr	
268.22	269.75	1.53	1.29	84	0.66	43	ms	fr	
269.75	271.27	1.52	1.24	82	0.33	22	ms	fr	
271.27	272.79	1.52	1.24	82	0.43	28	ms	fr	
272.79	274.32	1.53	1.43	93	0.74	48	s	fr	
274.32	275.84	1.52	1.05	69	0.12	8	ms	fr	
275.84	277.36	1.52	1.45	95	0.52	34	s	fr	
277.36	278.89	1.53	1.38	90	0.37	24	s	fr	
278.89	280.41	1.52	1.28	84	0.73	48	s	fr	
280.41	281.93	1.52	1.25	82	0.00	0	s	fr	
281.93	283.46	1.53	1.31	86	0.40	26	ms	fr	
283.46	284.99	1.53	1.21	79	0.34	22	s	fr	
284.99	286.51	1.52	1.19	78	0.52	34	s	fr	
286.51	288.04	1.53	1.50	98	1.05	69	s	fr	
288.04	289.56	1.52	1.51	99	1.03	68	s	fr	
289.56	291.08	1.52	1.42	93	0.81	53	s	fr	
291.08	292.61	1.53	1.50	98	1.16	76	s	fr	
292.61	294.13	1.52	1.35	89	0.45	30	s	fr	
294.13	295.65	1.52	1.24	82	0.43	28	s	fr	
295.65	297.18	1.53	1.35	88	0.55	36	s	fr	
297.18	298.70	1.52	1.28	84	0.15	10	s	fr	
298.70	300.23	1.53	1.36	89	0.37	24	s	fr	
300.23	301.76	1.53	1.14	75	0.95	62	s	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-09

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
27.50	29.50	2.00	1.84	92	G075115	2	0.10	35	109	
-	-	-	-		G075116	2	342.00	8480	12950	Standard OC-1
29.50	30.00	0.50	0.50	100	G075117	2	0.05	10	51	
30.00	32.90	2.90	1.60	55	G075118	2	0.13	12	44	
32.90	34.26	1.36	1.35	99	G075119	2	0.11	11	57	
-	-	-	-		G075120	2	0.04	3	26	Blank HQ
34.26	35.79	1.53	1.52	99	G075121	2	0.04	6	45	
35.79	37.79	2.00	2.00	100	G075122	2	0.06	4	45	
105.85	107.85	2.00	1.99	100	G075123	2	0.14	9	579	
107.85	108.35	0.50	0.41	82	G075124	3	30.80	1330	67600	
108.35	110.35	2.00	1.51	76	G075125	3	0.15	9	95	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-09

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.60	
2.00			0.10	
3.00			0.03	
4.00			0.01	
5.00			0.01	
6.00			0.05	
7.00			0.01	
8.00			0.00	
9.00			0.00	
10.00			0.03	
11.00			0.00	
12.00			0.01	
13.00			0.03	
14.00			0.00	
15.00			0.00	
16.00			0.01	
17.00			0.03	
18.00			0.01	
19.00			0.00	
20.00			0.03	
21.00			0.00	
22.00			0.03	
23.00			0.01	
24.00			0.03	
25.00			0.01	
26.00			0.01	
27.00			0.01	
28.00			0.01	
29.00			0.01	
30.00			0.01	
31.00			0.01	
32.00			0.01	
33.00			0.00	
34.00			0.01	
35.00			0.00	
36.00			0.00	
37.00			0.01	
38.00			0.01	
39.00			0.01	
40.00			0.01	
41.00			0.01	
42.00			0.01	
43.00			0.03	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.01	
47.00			0.03	
48.00			0.01	
49.00			0.01	
50.00			0.01	
51.00			0.03	
52.00			0.01	
53.00			0.00	
54.00			0.03	
55.00			0.01	
56.00			0.01	
57.00			0.00	
58.00			0.01	
59.00			0.01	
60.00			0.01	
61.00			0.01	
62.00			0.01	
63.00			0.01	
64.00			0.00	
65.00			0.01	
66.00			0.03	
67.00			0.00	
68.00			0.01	
69.00			0.00	
70.00			0.00	
71.00			0.01	
72.00			0.03	
73.00			0.01	
74.00			0.00	
75.00			0.01	
76.00			0.01	
77.00			0.03	
78.00			0.03	
79.00			0.03	
80.00			0.05	
81.00			0.08	
82.00			0.03	
83.00			0.03	
84.00			0.03	
85.00			0.03	
86.00			0.01	
87.00			0.01	
88.00			0.00	
89.00			0.01	
90.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.03	
93.00			0.03	
94.00			0.01	
95.00			0.03	
96.00			0.01	
97.00			0.06	
98.00			0.03	
99.00			0.01	
100.00			0.05	
101.00			0.01	
102.00			0.03	
103.00			0.01	
104.00			0.00	
105.00			0.03	
106.00			0.05	
107.00			0.03	
108.00			0.01	
109.00			0.10	
110.00			0.03	
111.00			0.03	
112.00			0.03	
113.00			0.01	
114.00			0.01	
115.00			0.01	
116.00			0.06	
117.00			0.01	
118.00			0.01	
119.00			0.01	
120.00			0.03	
121.00			0.03	
122.00			0.01	
123.00			0.01	
124.00			0.01	
125.00			0.01	
126.00			0.05	
127.00			0.08	
128.00			0.05	
129.00			0.05	
130.00			0.06	
131.00			0.05	
132.00			0.01	
133.00			0.01	
134.00			0.01	
135.00			0.00	
136.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.01	
139.00			0.01	
140.00			0.01	
141.00			0.01	
142.00			0.01	
143.00			0.01	
144.00			0.01	
145.00			0.01	
146.00			0.01	
147.00			0.01	
148.00			0.01	
149.00			0.01	
150.00			0.01	
151.00			0.03	
152.00			0.01	
153.00			0.01	
154.00			0.03	
155.00			0.00	
156.00			0.01	
157.00			0.03	
158.00			0.03	
159.00			0.05	
160.00			0.01	
161.00			0.00	
162.00			0.01	
163.00			0.03	
164.00			0.03	
165.00			0.01	
166.00			0.01	
167.00			0.03	
168.00			0.00	
169.00			0.01	
170.00			0.03	
171.00			0.00	
172.00			0.00	
173.00			0.01	
174.00			0.01	
175.00			0.00	
176.00			0.01	
177.00			0.01	
178.00			0.00	
179.00			0.01	
180.00			0.00	
181.00			0.03	
182.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.00	
184.00			0.01	
185.00			0.00	
186.00			0.00	
187.00			0.00	
188.00			0.01	
189.00			0.01	
190.00			0.00	
191.00			0.00	
192.00			0.00	
193.00			0.01	
194.00			0.00	
195.00			0.00	
196.00			0.00	
197.00			0.01	
198.00			0.01	
199.00			0.01	
200.00			0.01	
201.00			0.03	
202.00			0.01	
203.00			0.01	
204.00			0.00	
205.00			0.00	
206.00			0.00	
207.00			0.01	
208.00			0.01	
209.00			0.01	
210.00			0.01	
211.00			0.01	
212.00			0.01	
213.00			0.01	
214.00			0.01	
215.00			0.01	
216.00			0.01	
217.00			0.01	
218.00			0.03	
219.00			0.00	
220.00			0.00	
221.00			0.01	
222.00			0.01	
223.00			0.01	
224.00			0.01	
225.00			0.03	
226.00			0.00	
227.00			0.00	
228.00			0.05	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00			0.08	
230.00			0.16	
231.00			0.13	
232.00			0.23	
233.00			0.31	
234.00			0.31	
235.00			0.08	
236.00			0.42	
237.00			0.03	
238.00			0.03	
239.00			0.06	
240.00			0.00	
241.00			0.01	
242.00			0.00	
243.00			0.00	
244.00			0.00	
245.00			0.00	
246.00			0.00	
247.00			0.03	
248.00			0.00	
249.00			0.05	
250.00			0.01	
251.00			0.01	
252.00			0.03	
253.00			0.00	
254.00			0.00	
255.00			0.00	
256.00			0.01	
257.00			0.01	
258.00			0.00	
259.00			0.00	
260.00			0.00	
261.00			0.00	
262.00			0.01	
263.00			n/a	
264.00			0.00	
265.00			0.08	
266.00			0.10	
267.00			0.00	
268.00			0.00	
269.00			0.01	
270.00			0.05	
271.00			0.03	
272.00			0.03	
273.00			0.01	
274.00			0.05	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
275.00			0.00	
276.00			0.01	
277.00			0.01	
278.00			0.03	
279.00			0.01	
280.00			0.01	
281.00			0.00	
282.00			0.00	
283.00			0.00	
284.00			0.00	
285.00			0.00	
286.00			0.00	
287.00			0.01	
288.00			0.00	
289.00			0.00	
290.00			0.03	
291.00			0.08	
292.00			0.05	
293.00			0.05	
294.00			0.00	
295.00			0.05	
296.00			0.00	
297.00			0.01	
298.00			0.01	
299.00			0.03	
300.00			0.01	
301.00			0.00	
EOH				

BOX LOG

HOLE: OC-11-09

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	3.80	41	153.92	158.03
2	3.80	7.41	42	158.03	161.80
3	7.41	10.83	43	161.80	165.66
4	10.83	14.59	44	165.66	169.78
5	14.59	18.29	45	169.78	173.74
6	18.29	21.94	46	173.74	177.78
7	21.94	25.60	47	177.78	181.63
8	25.60	29.28	48	181.63	185.70
9	29.28	33.53	49	185.70	189.85
10	33.53	37.30	50	189.85	193.70
11	37.30	41.15	51	193.70	197.75
12	41.15	45.54	52	197.75	201.52
13	45.54	49.45	53	201.52	205.65
14	49.45	53.34	54	205.65	209.35
15	53.34	57.36	55	209.35	212.90
16	57.36	61.02	56	212.90	216.40
17	61.02	65.11	57	216.40	219.45
18	65.11	68.58	58	219.45	223.80
19	68.58	72.46	59	223.80	227.07
20	72.46	76.42	60	227.07	230.57
21	76.42	80.77	61	230.57	234.52
22	80.77	84.76	62	234.52	238.17
23	84.76	88.91	63	238.17	242.40
24	88.91	92.96	64	242.40	245.75
25	92.96	97.07	65	245.75	249.15
26	97.07	101.03	66	249.15	252.83
27	101.03	104.98	67	252.83	256.32
28	104.98	108.75	68	256.32	260.30
29	108.75	112.78	69	260.30	264.11
30	112.78	116.42	70	264.11	268.30
31	116.42	120.27	71	268.30	272.05
32	120.27	124.22	72	272.05	275.97
33	124.22	127.95	73	275.97	279.95
34	127.95	131.75	74	279.95	283.65
35	131.75	135.64	75	283.65	287.66
36	135.64	139.27	76	287.66	291.48
37	139.27	143.03	77	291.48	295.31
38	143.03	146.48	78	295.31	299.07
39	146.48	150.10	79	299.07	301.75
40	150.10	153.92	EOH		

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+125E	9+950N	517095	7127452	753	216.41

ZONE: Ocelot

SECTION: 10+125E

HOLE: OC-11-09

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 0.00 (m) out

Drilling dates: May 9 to 14, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass	140.21	196.9	-70.8	Ranger
48.77	195.7	-70.3	Ranger	155.45	197.5	-70.9	Ranger
79.25	194.9	-70.5	Ranger	185.93	196.9	-71.1	Ranger
109.73	195.7	-70.7	Ranger	216.41	198.2	-71.1	Ranger

TARGET: Strike extension of mineralization intersected in earlier holes

[illegible]

SAMPLES
Numbers: G075126-G075151
Total: <u>26</u>
Batch: <u>3</u>
Certificate: WH11081012, WH11094343

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-09

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
0.00	1.40	1.40				OVB																				Overburden, dark brown organic mat over brown soil with weathered bedrock rubble, clasts of grey-orange to dark grey DOL altered LST.	
1.40	110.75	109.35				DOL	LST	BX					i					SIL	m								Light to dark grey, variably brecciated, intensely DOL altered carbonate rock. Textures are typically weakly cBX to mottled with minor intervals of sBX-like textures with silicic veining/replacements. Bedding textures are absent, obscured by replacements or alterations.
									BD	n/a																	Bedding textures are generally absent throughout interval.
																											Light to dark grey, variably BX, intensely DOL altered LST with moderate weathering. Rusty orange to grey-green alteration are seen on fracture faces. Core is weakly rubbly, mostly competent to blocky. Trace. MG graphite is seen in open vugs and the interior of white, toothy, dolomite sBX matrix. ICN is gradational, weathering decreases with depth.
			1.40	10.96	9.56	DOL	LST	BX					i					WEA	m								Core fractures preferentially at 55°-60° TCA.
									FR	60																	From 9.45 to 6.56 m, narrow translucent grey Qz veinlets oriented 50°-60° TCA, 0° to fracturing. 3 per meter.
			9.45	9.56	0.11				VT	55	0	3															
			10.96	18.42	7.46	DOL	LST	BX					i														General unit discription applies
			18.42	22.48	4.06	DOL	LST	BX					i														Dark to light grey, strongly cBX, intensely DOL altered LST with cBX overprint a mottled, light and medium grey texture. ICN is gradational, cBX textures decrease with depth with mottled textures and Qz replacment beginning to dominate.
			19.25	20.25	1.00				BX	25	n/a																Major cBX orientation is seen at 25° TCA between 19.25 and 20.25 m.
			22.48	29.51	7.03	DOL	LST	BX					i					SIL	ms				Gr	t			Dark to light grey, FG to CG, mottled, intensely DOL altered LST with irregular, silicic replacement. Core exhibits a mottled to sBX texture, grey carbonate clasts are seen with a white, toothy dolomite sBX matrix or hard, translucent grey quartz replacement masses. Graphite is present as MG to CG, metallic grey to black, botrioidal masses within open vugs in white, toothy sBX and Qz lined cavities. At 26.08 m, a glassy, yellow mineral with tetrahedral habit and grains <1-1.5 mm in size is present in an open cavity with botrioidal graphite and rhombs of dolomite. ICN is gradational over 2.0 m, core becomes less silicic and mottled, appearing more angular and sBX-like between medium grey, FG, massive bands of DOL altered LST.
			29.51	33.52	4.01	DOL	LST	BX					i														
																											General unit discription applies
			33.52	40.66	7.14	DOL	LST	BX					i														Medium to dark grey, variably BX, intensely DOL altered LST with narrow bands of mBX to cBX textures with a FG, black matrix crosscutting mottled textures. Black breccia mBX bands are 7 to 31 cm wide, and share a weak common orientation. Less intense cBX textures are seen intermittent throughout.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									FR	65		7														Parallel fractures are seen throughout the core, oriented 55°-75° TCA, 7 per meter.	
									BX	70	180															Black, FG brecciation with angular, grey DOL LST clasts, oriented generally 70° TCA and 180° to fracturing.	
			40.66	43.45	2.79	DOL	LST	BX					i													General unit discription applies	
																										Medium to light grey, variably mottled to BX, weakly bedded, intensely DOL altered LST. A common orientation is seen to the mottled fabric, with some broken and undulose bedding textures loosely parallel throughout. Some narrow interbedded textures are broken by toothy white dolomitic sBX-like brecciation. ICN is defined by a broken, thinly bedded lens of DOL-LST above mottled, sBX rock at 48.03 oriented at 55° TCA.	
			43.45	48.03	4.58	DOL	LST	BX					i													An undulose fabric in mottled rock (bioturbation?) and bedding textures are parallel to sub-parallel, oriented 50° to 65° TCA, generally around 55°.	
									BD	55																Parallel, black, crack-seal structures, <1 mm wide, oriented 30° TCA, 70°-90° to BD.	
			48.03	53.89	5.86				FR	30	180	12														General unit discription applies	
																										Dark to medium grey, variably brecciated, strongly silicified, intensely DOL altered LST. Core is variably sBX to mottled to tBX in texture with some irregular blobs of silicic replacement seen within white, dolomitic breccia matrix. Breccia clasts are generally polymictic, angular to subrounded and randomly oriented. uCN is defined by a soft, grey clay seam (gouge?) with planar, black, mirror-like graphite coatings at 53.19 m oriented 30° TCA. Clay seam is 14 cm wide. ICN is gradational, BX textures decrease with depth.	
			53.19	57.74	4.55	DOL	LST	BX	CN	30			i				SIL	s								A narrow interval of bedding textures with small offsets along white, dolomitic breccia is seen with narrow, undulose beds 1 mm to 1.1 cm thick, oriented 45° TCA.	
			53.80	54.32					BD	45																Light grey, MG to FG, intensely DOL altered carbonate with a bleached MBL appearance overprinted by variable BX textures. Core exhibits moderate sBX and minor cBX. FG, mosaic breccia is oriented 30° TCA in 1.1 to 3.1 cm wide bands.	
			57.74	58.91	1.17	DOL	LST	BX					i				MBL	s								Core preferentially fractures 20°-30° TCA, 180° to BX. 8 fractures per meter.	
									FR	25	180	8														Dark to medium grey, Fg, intensely DOL altered massive LST with interbeds of shallow, mottled bedding. Core is generally dark grey, FG and massive in bedding. uCN is defined by a stitched contact along stylolite between massive LST and mottled, marble-like core above. Some intervals of commonly oriented tabular clasts of bedding shallow to TCA with medium grey, dolomitic matrix (soft sediment deformation?). ICN is defined by more brecciated textures increasing with depth over 30 cm until BX dominates below. Trace Py is present as FG disseminations.	
			58.91	62.44	3.53	DOL	LST	MA					i							t						Shallow bedding-like textures, oriented 15° TCA.	
									BD	15																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Altitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity				Type	Intensity	Type		
			62.54	72.30	9.76	MBL	DOL	BX					i													Light to medium grey, MG to FG, variably BX, intensely DOL altered MBL. Light grey, MG, bleached MBL textures dominate with cBX overprinting MBL. Graphitic component is seen in some cBX matrix. uCN is defined by angular breccia with minor clay and grit on fractures with black, FG cBX matrix and marble clasts. Core becomes blocky to rubbly, more broken with depth. Stylolites seen, at times as stiched margins on dark grey masses up to 6 cm in diameter. Fractures are irregular, though a weak common orientation is seen.
			66.99	67.06					BX	n/a																Buff yellow and dark grey, Fg veining/BX at 67.01 m with FG, silvery sulphides. Vein has rotten egg odour with HCl contact, and is weakly calcareous. Orientation is irregular.
									FR	35		7														Fractures are irregular, though a common orientation to major fractures is seen at 35° TCA.
			72.30	73.12	0.82	DOL	LST	FR	CN	45			i				CLY	ms							x	Dark grey, MG, rubbly, clay and gritty fractured DOL LST. FR is loosely parallel. Clay seams oriented parallel with fracturing. uCN and ICN sharp, uCN defined by FG Py band, ICN defined by a clay band oriented at 45° TCA.
			73.12	76.66	3.54	DOL	LST	BX	FR	45			i													Strongly fractured core with a main orientation of fractures 45° TCA.
																										General unit discription applies
			76.66	80.62	3.96	DOL	LST	BX					i						t		Gn	t			x	Light to dark grey, intensely DOL altered, FG carbonate with thin, deformed interbeds throughout. Beds commonly oriented, < 1 mm to 5 mm thick, generally broken to diffuse (ripple?) with black, dark beds thinner, pinched out by light grey, thicker beds. Light grey beds host <3 mm open vugs with FG, botroidal Gn, subhedral Py and rhombs of dolomite with prismatic Qz, all <1 mm in size. uCN is gradational, a mottled texture becomes bedded over 20 cm. ICN is more abrupt, change to broken and mottled textures over 5 cm.
									BD	45																Strong bedding fabric at 45° TCA.
			80.62	93.60	12.98	DOL	LST	BX	FR	55	80 f															A common fracture orientation in the core, 50°-60° TCA, 70°-90° to BD, 3-6 per meter.
																										General unit discription applies
			93.60	108.80	15.20	DOL	LST	BX					i				CLY	ms								Medium to dark grey, FG to MG, mottled to BX, intensely DOL altered LST with intermittent seams of grey clay. Core is blocky with intervals of rubble to grit where clay seams are present. LST textures are typical, mottled with variable cBX-sBX textures intermittent throughout. Clay beds are parallel with each other. Broken nature of the core makes TFA measurments impossible. ICN is gradational, clay is absent and core is very rubbly at 108.80 m.
				102.39									BD	50												Weak bedding textures present at 102.39 m, 50° TCA.
			93.60	108.80					FR	45																Grey bands of clay and grit, oriented 40° TCA, 7 to 10 cm wide, 4 throughout interval.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			108.80	110.75	1.95	DOL	LST	BX					i						w			Gn	t			Dark to medium grey, FG to MG, rubbly to blocky, intensely DOL altered LST with weak Py and trace Gn. Core is mostly rubble with blocks of irregularly fractured core with some grit and weak amounts of clay on some rubble clasts. Trace ostracod fossils present. Py and Gn present in FG, metallic veinlets and fracture fills. ICN is defined by a sharp, MG Py band oriented 110.75 m.	
			109.80	110.75					VT	40		4														Metallic silver and yellow, FG to MG, Py and Gn veinlets, 4-8 mm wide oriented 40° TCA. Veinlets feature Gn core with Py margins, 1 to 1.5 mm Gn, 4 mm wide Py margins. Py also seen migrating down nattoo fractures tangential to main veinlet. 4 per meter over 109.80 to 110.75 m	
110.75	151.45	40.70				MX													60			Sp	f	Gn	w	Metallic yellow to grey, FG to CG, massive Py MX with sphallerite and galena. Core is competent to muddy with some runs of soft core almost "poured" into the box. Interval is dominated by Py present as metallic yellow, MG crystals and FG, dull grey-yellow grains. A layer of black-grey sulphide cuttings coats much of the core. Galena and sphallerite seen as massive MC within larger pyritic interval; galena is present as silvery MG cubes forming masses up to 31 cm long. Sphallerite is present as a ruddy red-brown FG-MG masses up to 3.05 m long and narrow wispy blebs. Late Qz is present as milky white, prismatic crystals partially filling voids. Replacement textures are present, some irregular, "chewed" blobs of SIL altered dolomitic LST host rock are present. A strong structural orientation to MX is absent, though some banding may be parallel, but this is difficult to say with the nature of recovery and core.	
																			33			Gn	w	Sp	w	Metallic yellow to dull greymassive and semi-massive Py replacement of carbonate with trace Gn, sphallerite and Qz between grey, mottled, DOL LST bodies up to 1.15 m long. Py is MG to FG, cubic, metallic yellow crystals forming masses with wisps of other sulphides to narrow fracture fills and FG disseminations in DOL altered LST. LST is medium grey, DOL altered with strong silicic replacement on margins of massive MX. Core is blocky to rubbly, ICN is defined contact with Py replacement at 117.35 m becoming massive MX below.	
									FR	35	n/a	7														White, <1 mm wide, loosely parallel fractures in carbonate rock, 35° TCA. 7 per meter.	
									FR	50		11														A second fracture orientation at 50° TCA is present in DOL LST rock, 0° to above fracture orientation. 11 per meter.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			115.18	152.51	37.33	MX													50			Gn	m	Sp	s		Metallic yellow to grey, FG to CG massive Py-sphallerite-galena MX with trace milky white Qz and masses of unreplaced carbonate rock. Typical discription applies. A banded orientation to white Qz-Gn-sphallerite mineralization may be commonly oriented, but difficult to measure given rubby nature of core. Py present in two phases, a coarser bright metallic Py with dodecahedron crystals is present in open spaces with Qz, and as a FG, dull grey-yellow massive MX phase.
				117.80									VN	50													Vein of white, grey and brown Qz-Gn-sphallerite, 6 cm wide at 117.80, ICN oriented 50° TCA.
													VN	40													Vein of white, grey and brown Qz-Gn-sphallerite, 8 cm wide at 126.30 m, ICN oriented at 40° TCA. Vein/band composition similiar to above vein, and may be oriented similarly.
				126.30									FR	50													Narrow, dark grey fractures intermittent throughout, 50 degrees TCA. Where core is competent, core fractures parallel to this orientation.
			126.49	128.22	1.73	MX													i			Sp	50	Gn	t		Ruddy brown, massive sphallerite MX with Py, Qz and trace Gn. Mottled replacement textures are overprinted by dark grey, narrow fractures. Qz is milky white, prismatic and is found in open vugs. Py is present as masses of FG-MG euhedral crystals. >50% sphallerite 20% pyrite, trace galena and quartz.
									FR	40	n/a	4															Dark grey, irregular fractures, oriented 35° TCA, 0° to each other. 4 per meter.
									FR	30	n/a	11															Black fractures oriented 30°-40° TCA, 180° to fractures discribed above, core breaks weakly preferential to this orientation, most appear as healed fractures.
			128.22	151.45	23.23	MX			CN										50			Gn	w	Sp	w	x	Massive Py-Gn-Sm MX, generally fine pyrite sand to MG masses with nebulous blobs of MG Gn cubes and masses of FG sphallerite. Two phases of pyrite are evident, brassy, bright, coarser Py is present as irregular masses to bands which pass through dull grey, FG pyrite. Vugs presne host prismatic Qz, dodecahedrons of Gn and striated Py (maybe marcasite twins?). ICN is defined by Py replacement wisps branching off massive MX over 5 cm into dolomitic carbonate.
									BN	45	n/a																A banded fabric is bright metallic yellow, coarse Py which crosscuts dull, FG Py is seen, 40°-50° TCA. Bands are up to 1.1 cm in width to irregular masses elongate along the orientation of the bright yellow Py bands. 5 such bands are seen between 142.50 and 152.51 m.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
151.45	189.08	37.63				DOL	LST	BX					i							t						x	Light to dark grey, variably brecciated and deformed, intensely dolomitic carbonate rock with trace cryptic fossils. Stylolites are seen intermittently, at times as stiched margins along irregular, dark grey beds/masses and light grey carbonate rock. Stylolite orientations are generally parallel with intermittent bedding texters. Some beds are deformed (bioturbation?) to irregular masses (soft sediment deformation?). Core is blocky to competent. Some clay lined fractures are seen parallel with each other. Some green-grey fracture coatings are seen on the baces of broken core. Trace Py is present as bright, metallic MG cubes with prismatic Qz on open fractures to wispy masses scattered throughout.
			170.69	179.01	8.32				BD	50																	Intermittent, irregular bedding is generally oriented 40°-60° TCA, though some beds are undulose, have irregular margins or appear truncated by stylolites.
			171.40	184.55	13.15				ST	50	0	2															Stylolites are commonly oriented 50° TCA, 0° to BD, though few have different orientations.
			151.45	153.95	2.50	DOL	LST	BX					i				CLY	w	t								Medium grey, FG, intensely DOL altered LST with fair, white cBX textures and weak CLY present on fracture faces. Trace grey-yellow Py is present as wispy stringers, disseminations and small, <1 cm wide nebulous masses. cBX-fracturing lacks a strong orientation.
			153.95	164.05	10.10	DOL	LST	BX					i														General unit discription applies
			164.05	165.15	1.10	DOL	LST						i				CLY	ms									Dark to medium grey, FG, intensely DOL altered LST with parallel fractures with clay seams up to 8 mm wide. Clay is dark grey with grit (slip plane?). Core is rubbly to blocky, most broken where CLY is strongest.
			165.15	180.00		DOL	LST	BX	FR	50	n/a	3	i														Clay lined fractures parallel to each other, 50° TCA, 3 per meter.
			180.00	189.08	1.08																						General unit discription applies
																											Light to medium grey, variably BX, intensely DOL altered marble. Core is light grey, MG with dark grey, irregular masses of FG-MG dolomitic LST. Bands-beds are loosely parallel, at times with stylolite margins. Bands sometimes appear as peppered bands of black spots against marble. cBX is variable, core is rubbly where cBX is strongest. Parallel fractures are seen outside of zones of strong cBX. ICN is obscured by broken core, may be an irregular margin between MBL and VOL below.
189.08	202.88	13.80				VOL	BLE										BLE	s									Light grey-green, FG to MG bedded, bleached, clay altered VOL with slippery talc partings on fracture faces. Core is fissile, fracturing easily along talc lined fractures. Weak Py is present as blebs and bands <1.2 cm wide oriented parallel with bedding. Blebs variably oriented, featuring FG-MG bright yellow Py crystals. Core appears bleached throughout.
									BD	50							CLY	s									Strong bedding fabric throughout, 45°-55° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
									FR	40	0	30														Talc lined narrow fractures, some along bedding planes, others crosscut bedding. Fractures oriented 35°-55° TCA, 0° to BD. Fractures are most prevalent where core appears most bleached. General description applies	
			189.08	195.06	5.98																						
																										Black to dark grey, FG-MG, crystalline basalt. Rock features grains of dark grey and black minerals with grey, translucent quartz. uCN is planar, defined by a 1.0 cm wide band of BY between soft grey VOL and dark, crystalline BAS oriented 50° TCA. ICN is irregular, obscured by broken core.	
			195.06	195.43		BAS			CN																		
																										Light green-grey. Deformed, polyolithic VOL with fingers of DOL LST, tBX textures and clasts of FG, rounded rock with spherulites of wjote, crystalline minerals. Bedding textures become irregular and are absent below 196.97 m. Core is blocky to competent. Grey-green masses of VOL are interbanded with DOL LST and irregular masses of Qz-sandstone with DOL cement and matrix supported conglomerate with rounded, polyolithic clasts in a weakly dolomitic, CG sandstone. ICN is gradational, becoming dominated by DOL altered LST with depth. Weak Py is present as disseminations to veins with trace galena.	
			195.43	202.88	7.45	VOL		BX										w				Gn	t			Galena and pyrite vein with coarse, cubic galena and MG pyrite on vein margins. Vein is 9.5 cm wide and is broken along the Gn core. Orientation is obscured, though Py wisps along the vein margin are elongate, and near parallel to bedding. Trace sphallerite is present as fracture fills above the vein's upper margin.	
									VN	n/a													Gn	i	Sm	t	Weak bedding textures, wispy narrow beds of soft VOL with coarse sandstone, 50° TCA.
			198.30	199.64	1.34				BD	50																Narrow fractures, 40° TCA, white crack heals oriented 180° to bedding, some with MG Py and Gn at 199.15 m. 20 to 30 per meter.	
			198.30	200.45	2.15				FR	40	180	25														Black, FG, parallel fractures crosscut by white fractures, 50°-60° TCA, 80°-100° to BD. About 10 per meter.	
									FR	55	90	10															
																										Medium to light grey, MG to FG, marble altered, intensely DOL altered LST. Core is variably brecciated, moderately cBX with narrow intervals of sBX textures. Weak Py is present as cubes of brassy, bright yellow grains along irregular fractures. White, dolomitic veinlets crosscut earlier BX textures at variable angles. Core is typically MG, exhibiting light and dark grey, commonly oriented marble bands. Soft sediment deformation textures are seen at 215.10 m.	
202.88	216.41	13.53				DOL	LST	BX					i														A weak banded fabric, commonly oriented marble banding, 50°-60° TCA.
									BN	55																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS								Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other							
																	Type	Intensity				Type	Intensity								
				209.56																										Dull grey-yellow, FG to MG, Py vein at 209.56 m, 13 cm wide, replacing DOL LST leaving masses of LST with chewed margins within the vein. Orientation is 70° TCA, defined by upper margin. ICN is irregular. White, MG, dolomitic fractures, variably oriented but commonly at 50°-65° TCA, 0 degrees to BN. 3-4 per meter, 1-4 mm wide.	
									VT	55	0	3																			EOH, past targeted Ocelot MX and marker VOL unit.

GEOTECHNICAL LOG

HOLE: OC-11-09

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	0.68	45	0.00	0	w	sw	
1.52	3.05	1.53	0.92	60	0.10	7	ms	sw	
3.05	4.57	1.52	1.51	99	0.47	31	ms	sw	
4.57	6.10	1.53	1.20	78	0.11	7	ms	mw	
6.10	7.62	1.52	1.48	97	0.47	31	w	mw	
7.62	9.14	1.52	1.51	99	0.70	46	ms	sw	
9.14	10.57	1.43	1.20	84	0.00	0	ms	sw	
10.57	12.19	1.62	1.28	79	0.26	16	ms	sw	
12.19	13.72	1.53	1.52	99	0.48	31	s	fr	
13.72	15.24	1.52	1.52	100	0.89	59	s	fr	
15.24	16.76	1.52	1.20	79	0.52	34	s	fr	
16.76	18.29	1.53	1.43	93	0.99	65	s	fr	
18.29	19.81	1.52	1.55	102	0.70	46	s	fr	
19.81	21.34	1.53	1.55	101	0.48	31	s	fr	
21.34	22.86	1.52	1.54	101	0.70	46	s	fr	
22.86	24.38	1.52	1.54	101	0.79	52	s	fr	
24.38	25.90	1.52	1.55	102	0.36	24	s	fr	
25.90	27.43	1.53	1.53	100	0.80	52	s	fr	
27.43	28.95	1.52	1.52	100	0.86	57	s	fr	
28.95	30.48	1.53	1.39	91	0.50	33	s	fr	
30.48	32.00	1.52	1.50	99	0.96	63	s	fr	
32.00	33.52	1.52	1.50	99	0.20	13	s	fr	
33.52	35.05	1.53	1.42	93	0.36	24	ms	fr	
35.05	36.57	1.52	1.38	91	0.60	39	s	fr	
36.57	38.10	1.53	1.50	98	0.82	54	s	fr	
38.10	39.62	1.52	1.44	95	0.87	57	s	fr	
39.62	41.14	1.52	1.49	98	0.92	61	s	fr	
41.14	42.67	1.53	1.51	99	1.40	92	s	fr	
42.67	44.19	1.52	1.52	100	1.40	92	s	fr	
44.19	45.72	1.53	1.45	95	1.40	92	s	fr	
45.72	47.24	1.52	1.55	102	1.13	74	s	fr	
47.24	48.77	1.53	1.51	99	1.11	73	s	fr	
48.77	50.29	1.52	1.52	100	1.33	88	es	fr	
50.29	51.82	1.53	1.51	99	1.19	78	vs	fr	
51.82	53.34	1.52	1.50	99	1.09	72	vs	fr	
53.34	54.86	1.52	1.38	91	0.81	53	s	fr	
54.86	56.39	1.53	1.10	72	0.83	54	ms	fr	
56.39	57.91	1.52	1.42	93	0.82	54	s	fr	
57.91	59.44	1.53	1.34	88	0.24	16	ms	fr	
59.44	60.96	1.52	1.40	92	0.00	0	vs	fr	
60.96	62.48	1.52	1.38	91	0.78	51	ms	fr	
62.48	64.01	1.53	1.50	98	0.18	12	s	fr	
64.01	65.53	1.52	1.30	86	0.33	22	w	fr	
65.53	67.06	1.53	1.27	83	0.76	50	ms	fr	
67.06	68.58	1.52	1.42	93	0.64	42	s	fr	
68.58	70.10	1.52	1.05	69	0.10	7	ms	fr	
70.10	71.63	1.53	0.70	46	0.00	0	w	fr	
71.63	73.15	1.52	0.91	60	0.13	9	vw/ew	fr	
73.15	74.68	1.53	1.19	78	0.30	20	es	fr	
74.68	76.20	1.52	1.24	82	0.68	45	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.34	88	0.62	41	w	fr	
77.72	79.25	1.53	1.22	80	0.46	30	w	fr	
79.25	80.77	1.52	1.46	96	0.45	30	w	fr	
80.77	82.30	1.53	1.15	75	0.15	10	w	fr	
82.30	83.82	1.52	1.22	80	0.11	7	w	fr	
83.82	85.34	1.52	1.04	68	0.16	11	w	fr	
85.34	86.87	1.53	1.32	86	0.24	16	w	fr	
86.87	88.39	1.52	1.06	70	0.13	9	ms	fr	
88.39	89.92	1.53	1.46	95	0.56	37	w	fr	
89.92	91.44	1.52	1.44	95	0.29	19	ms	fr	
91.44	92.96	1.52	1.50	99	0.49	32	s	fr	
92.96	94.49	1.53	1.10	72	0.29	19	vs	fr	
94.49	96.01	1.52	1.42	93	0.41	27	ms	fr	
96.01	97.54	1.53	1.37	90	0.96	63	ms	fr	
97.54	99.06	1.52	1.44	95	0.34	22	ms	fr	
99.06	100.58	1.52	1.34	88	0.20	13	ms	fr	
100.58	102.11	1.53	1.35	88	0.34	22	ms	fr	
102.11	103.63	1.52	1.36	89	0.66	43	es	fr	
103.63	105.16	1.53	1.36	89	0.41	27	w	fr	
105.16	106.68	1.52	1.49	98	0.23	15	ms	fr	
106.68	108.20	1.52	1.40	92	0.55	36	ms	fr	
108.20	109.73	1.53	1.15	75	0.00	0	vs	fr	
109.73	111.25	1.52	1.15	76	0.00	0	w	fr	
111.25	112.78	1.53	0.82	54	0.00	0	ms	fr	
112.78	114.30	1.52	0.68	45	0.11	7	ms	fr	
114.30	115.82	1.52	1.20	79	0.10	7	vs	fr	
115.82	117.35	1.53	0.77	50	0.00	0	s	fr	
117.35	118.87	1.52	0.83	55	0.25	16	ms	fr	
118.87	120.40	1.53	0.88	58	0.00	0	ew	fr	
120.40	121.92	1.52	0.77	51	0.00	0	ew	fr	
121.92	123.44	1.52	1.20	79	0.13	9	ew	fr	
123.44	124.97	1.53	1.47	96	0.67	44	ms	fr	
124.97	126.49	1.52	1.38	91	0.63	41	s	fr	
126.49	128.02	1.53	1.22	80	0.15	10	ms	fr	
128.02	129.54	1.52	1.33	88	0.58	38	ew	fr	
129.54	131.06	1.52	1.48	97	0.26	17	vw	fr	
131.06	132.59	1.53	1.45	95	0.00	0	ew	fr	
132.59	134.11	1.52	1.20	79	0.00	0	w	fr	
134.11	135.64	1.53	0.91	59	0.00	0	vw	fr	
135.64	137.16	1.52	0.60	39	0.00	0	ew	fr	
137.16	138.68	1.52	0.97	64	0.00	0	vw	fr	
138.68	140.21	1.53	1.10	72	0.00	0	vw	fr	
140.21	141.73	1.52	0.99	65	0.00	0	vw	fr	
141.73	143.26	1.53	1.38	90	0.14	9	ew	fr	
143.26	144.78	1.52	1.34	88	0.14	9	vw	fr	
144.78	146.30	1.52	1.44	95	0.00	0	w	fr	
146.30	147.83	1.53	1.21	79	0.14	9	ms	fr	
147.83	149.35	1.52	1.25	82	0.28	18	w	fr	
149.35	150.88	1.53	1.20	78	0.10	7	ms	fr	
150.88	152.40	1.52	1.12	74	0.50	33	s	fr	
152.40	153.92	1.52	1.30	86	0.70	46	s	fr	
153.92	155.45	1.53	1.17	76	0.32	21	vs	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
155.45	156.97	1.52	1.16	76	0.10	7	s	fr	
156.97	158.50	1.53	0.96	63	0.00	0	s	fr	
158.50	160.02	1.52	1.08	71	0.14	9	ms	fr	
160.02	161.54	1.52	1.04	68	0.22	14	s	fr	
161.54	163.07	1.53	0.97	63	0.22	14	s	fr	
163.07	164.59	1.52	0.94	62	0.00	0	ms	fr	
164.59	166.12	1.53	1.17	76	0.14	9	vs	fr	
166.12	167.64	1.52	1.31	86	0.82	54	vs	fr	
167.64	169.16	1.52	1.29	85	0.40	26	vs	fr	
169.16	170.69	1.53	1.53	100	0.44	29	vs	fr	
170.69	172.21	1.52	1.46	96	0.75	49	s	fr	
172.21	173.74	1.53	1.52	99	1.21	79	s	fr	
173.74	175.26	1.52	1.43	94	0.75	49	es	fr	
175.26	176.00	0.74	1.38	186	0.88	119	s	fr	
176.78	178.31	1.53	1.49	97	0.78	51	vs	fr	
178.31	179.83	1.52	1.52	100	1.30	86	vs	fr	
179.83	181.36	1.53	1.50	98	1.24	81	vs	fr	
181.36	182.88	1.52	1.30	86	0.80	53	es	fr	
182.88	184.40	1.52	1.27	84	0.24	16	vs	fr	
184.40	187.54	3.14	1.32	42	0.64	20	vs	fr	
187.54	188.98	1.44	1.20	83	0.10	7	vs	fr	
188.98	190.50	1.52	1.11	73	0.41	27	w	fr	
190.50	192.02	1.52	1.42	93	0.22	14	w	fr	
192.02	193.55	1.53	1.27	83	0.20	13	w	fr	
193.55	195.07	1.52	1.37	90	0.75	49	vw	fr	
195.07	196.60	1.53	1.46	95	0.51	33	vs	fr	
196.60	198.12	1.52	1.15	76	0.40	26	w	fr	
198.12	199.64	1.52	1.17	77	0.50	33	w	fr	
199.64	201.17	1.53	1.45	95	1.06	69	vs	fr	
201.17	202.69	1.52	1.48	97	0.55	36	s	fr	
202.69	204.22	1.53	1.42	93	0.54	35	w	fr	
204.22	205.74	1.52	1.43	94	1.10	72	w	fr	
205.74	207.26	1.52	1.50	99	0.99	65	s	fr	
207.26	208.79	1.53	1.40	92	0.95	62	vs	fr	
208.79	210.31	1.52	1.30	86	0.30	20	vs	fr	
210.31	211.84	1.53	1.32	86	0.65	42	vs	fr	
211.84	213.36	1.52	1.22	80	0.21	14	vs	fr	
213.36	214.88	1.52	1.15	76	1.11	73	vs	fr	
214.88	216.41	1.53	1.25	82	0.00	0	vs	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-09

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
103.63	106.38	2.75	2.85	104	G075126	3	0.26	17	299	
106.68	109.73	3.05	2.55	84	G075127	3	1.10	342	2530	
109.73	112.78	3.05	2.30	75	G075128	3	13.30	3880	2860	
112.78	115.18	2.40	1.91	80	G075129	3	2.87	269	248	
115.18	117.35	2.17	0.66	30	G075130	3	4.86	608	3200	
-	-	-	-	-	G075131	3	350.00	9230	13050	Standard OC-2
117.35	120.40	3.05	1.71	56	G075132	3	248.00	50500	131500	
120.40	123.44	3.04	1.97	65	G075133	3	11.50	947	193500	
123.44	124.97	1.53	1.47	96	G075134	3	417.00	177000	291000	
-	-	-	-	-	G075135	3	0.11	27	341	Blank HQ
124.97	126.49	1.52	1.38	91	G075136	3	362.00	142500	190500	
124.97	126.49	1.52	1.38	91	G075137	3	395.00	193000	193500	Duplicate
126.49	128.22	1.73	1.32	76	G075138	3	48.90	4720	423600	
128.22	131.06	2.84	2.60	92	G075139	3	474.00	106000	77600	
131.06	134.11	3.05	2.65	87	G075140	3	227.00	50800	142500	
134.11	137.16	3.05	1.51	50	G075141	3	82.10	22900	123000	
137.16	140.21	3.05	2.07	68	G075142	3	151.00	44800	226000	
140.21	143.26	3.05	2.72	89	G075143	3	42.40	7170	101000	
-	-	-	-	-	G075144	3	61.10	15950	71400	Standard OC-3
143.26	146.30	3.04	2.82	93	G075145	3	33.70	8510	32000	
146.30	149.35	3.05	2.46	81	G075146	3	55.80	6350	8940	
149.35	151.45	2.10	1.39	66	G075147	3	378.00	2720	112000	
-	-	-	-	-	G075148	3	0.26	27	88	Blank HQ
151.45	153.95	2.50	2.30	92	G075149	3	1.19	27	322	
153.95	156.97	3.02	2.06	68	G075150	3	0.25	14	139	
156.97	160.02	3.05	2.04	67	G075151	3	0.25	11	195	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-09

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.03	
2.00			0.03	
3.00			0.03	
4.00			0.01	
5.00			0.00	
6.00			0.01	
7.00			0.00	
8.00			0.01	
9.00			0.01	
10.00			0.01	
11.00			0.01	
12.00			0.01	
13.00			0.01	
14.00			0.03	
15.00			0.01	
16.00			0.00	
17.00			0.01	
18.00			0.01	
19.00			0.03	
20.00			0.03	
21.00			0.01	
22.00			0.00	
23.00			0.00	
24.00			0.00	
25.00			0.00	
26.00			0.03	
27.00			0.01	
28.00			0.03	
29.00			0.03	
30.00			0.01	
31.00			0.01	
32.00			0.03	
33.00			0.01	
34.00			0.01	
35.00			0.13	
36.00			0.03	
37.00			0.01	
38.00			0.03	
39.00			0.03	
40.00			0.03	
41.00			0.03	
42.00			0.01	
43.00			0.03	
44.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.01	
47.00			0.01	
48.00			0.01	
49.00			0.05	
50.00			0.05	
51.00			0.01	
52.00			0.00	
53.00			0.01	
54.00			0.01	
55.00			0.01	
56.00			0.00	
57.00			0.00	
58.00			0.00	
59.00			0.01	
60.00			0.00	
61.00			0.01	
62.00			0.00	
63.00			0.08	
64.00			0.01	
65.00			0.03	
66.00			0.01	
67.00			0.00	
68.00			0.01	
69.00			0.00	
70.00			0.00	
71.00			0.05	
72.00			0.01	
73.00			0.01	
74.00			0.00	
75.00			0.01	
76.00			0.00	
77.00			0.00	
78.00			0.01	
79.00			0.01	
80.00			0.01	
81.00			0.00	
82.00			0.01	
83.00			0.00	
84.00			0.03	
85.00			0.01	
86.00			0.01	
87.00			0.01	
88.00			0.00	
89.00			0.01	
90.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.05	
92.00			0.01	
93.00			0.00	
94.00			0.01	
95.00			0.01	
96.00			0.03	
97.00			0.03	
98.00			0.01	
99.00			0.00	
100.00			0.01	
101.00			0.03	
102.00			0.01	
103.00			0.06	
104.00			0.00	
105.00			0.13	
106.00			0.00	
107.00			0.03	
108.00			0.05	
109.00			0.03	
110.00			0.03	
111.00			0.03	
112.00			n/a	
113.00			0.03	
114.00			0.03	
115.00			0.01	
116.00			n/a	
117.00			0.01	
118.00			0.03	
119.00			n/a	
120.00			0.03	
121.00			n/a	
122.00			n/a	
123.00			0.06	
124.00			0.01	
125.00			0.11	
126.00			n/a	
127.00			0.06	
128.00			n/a	
129.00			n/a	
130.00			n/a	
131.00			0.06	
132.00			n/a	
133.00			0.08	
134.00			n/a	
135.00			0.01	
136.00			n/a	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			n/a	
138.00			n/a	
139.00			n/a	
140.00			n/a	
141.00			0.08	
142.00			n/a	
143.00			0.01	
144.00			0.03	
145.00			0.05	
146.00			n/a	
147.00			0.06	
148.00			0.06	
149.00			0.06	
150.00			0.11	
151.00			0.06	
152.00			0.01	
153.00			0.01	
154.00			0.03	
155.00			0.01	
156.00			0.00	
157.00			0.01	
158.00			0.03	
159.00			0.03	
160.00			0.01	
161.00			0.01	
162.00			0.01	
163.00			0.01	
164.00			0.01	
165.00			0.01	
166.00			0.01	
167.00			0.03	
168.00			0.03	
169.00			0.01	
170.00			0.01	
171.00			0.05	
172.00			0.05	
173.00			0.05	
174.00			0.01	
175.00			0.00	
176.00			0.04	
177.00			0.00	
178.00			0.01	
179.00			0.01	
180.00			0.03	
181.00			0.01	
182.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.03	
184.00			0.03	
185.00			0.01	
186.00			0.01	
187.00			0.00	
188.00			0.01	
189.00			0.05	
190.00			0.03	
191.00			0.05	
192.00			0.28	
193.00			0.16	
194.00			0.13	
195.00			0.06	
196.00			0.06	
197.00			0.06	
198.00			0.03	
199.00			0.03	
200.00			0.05	
201.00			0.03	
202.00			0.05	
203.00			0.01	
204.00			0.01	
205.00			0.01	
206.00			0.03	
207.00			0.05	
208.00			0.03	
209.00			0.03	
210.00			0.01	
211.00			0.01	
212.00			0.01	
213.00			0.01	
214.00			0.01	
215.00			0.05	
216.00			0.00	
EOH				

BOX LOG

HOLE: OC-11-09

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	5.95	35	138.68	143.26
2	5.95	9.35	36	143.26	147.10
3	9.35	13.62	37	147.10	150.88
4	13.62	17.34	38	150.88	154.70
5	17.34	21.34	39	154.70	158.55
6	21.34	25.27	40	158.55	162.00
7	25.27	29.40	41	162.00	165.61
8	29.40	33.52	42	165.61	169.47
9	33.52	37.63	43	169.47	173.14
10	37.63	41.64	44	173.14	176.78
11	41.64	45.72	45	176.78	180.48
12	45.72	49.75	46	180.48	184.34
13	49.75	53.68	47	184.34	188.20
14	53.68	57.63	48	188.20	192.02
15	57.63	60.96	49	192.02	195.61
16	60.96	64.86	50	195.61	199.64
17	64.86	68.58	51	199.64	203.26
18	68.58	72.30	52	203.26	207.15
19	72.30	76.04	53	207.15	210.68
20	76.04	79.80	54	210.68	214.49
21	79.80	83.58	55	214.49	216.41
22	83.58	87.60	EOH		
23	87.60	91.80			
24	91.80	95.65			
25	95.65	99.32			
26	99.32	103.28			
27	103.28	106.68			
28	106.68	110.80			
29	110.80	115.82			
30	115.82	121.90			
31	121.90	125.81			
32	125.81	129.89			
33	129.89	133.70			
34	133.70	138.68			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+125E	9+950N	517095	7127452	753	172.21

ZONE: Ocelot

SECTION: 10+125E

HOLE: OC-11-10

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 0.00 (m) out

Drilling dates: May 14 to 16, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass	126.49	198.7	-50.0	Ranger
65.53	197.5	-50.2	Ranger	141.73	199.6	-49.9	Ranger
80.77	197.5	-50.2	Ranger	156.97	198.9	-49.2	Ranger
96.01	198.3	-50.2	Ranger	172.21	198.3	-49.1	Ranger

TARGET: Up-dip extension of mineralization intersected in OC-11-09

[illegible]

SAMPLES
Numbers: G075152 to G075195
Total: 44
Batch: 3, 4
Certificate: WH11081012, WH11094343, WH11081013

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-10

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity				
0.00	0.40	0.40				OVB																				Overburden, dark brown organic mat and roots above brown soil.	
0.40	64.98	64.58				DOL	LST	BX					i					SIL	m	t							Medium to dark grey, variably mottled and brecciated, variably silicified, intensely DOL altered LST. Breccia textures range from dark grey cBX through medium grey rock to tBX textures with angular clasts of and dark grey DOL LST in a FG, dark grey matrix to toothy, sBX textures. SIL alteration is local to mottled textuers with some rhombs of dolomite with metal grey, FG dustings (graphite?). Trace py is present with SIL alteration. Bedding textures generally absent.
													i														Medium to light grey, intensely DOL altered, variably BX LST with fair weathering. Rusty red to green-orange coatings present on fracture faces. Weathering decreases with depth and is absent below 14.67 m.
			0.40	14.67	14.27	DOL	LST	BX					i					WEA	f								Dark to medium grey, intensely BX, intensely DOL altered LST with fractures lined with clay and grit. Fractures with clay are commonly oriented, core fractures most readily on this orientation throughout. Some tBX textures appear oriented with fractures tangential to tBX orientations. A graphitic component is seen along fractures along cBX structures.
			25.55	35.30	9.75	DOL	LST	BX					i					CLY	ms								Clay and grit fractures oriented 40°-50° TCA
									FR	45																	tBX textures are present in bands of matrix supported breccia, oriented 50°-55° TCA, 180° to FR. 1-2 per meter.
									BX	55	180	1															A major orientation to cBX structures oriented at 40° 55° TCA, 0° to fracturing.
									BX	45	0																
																											Light to dark grey, variably brecciated and mottled, intensely DOL altered LST with irregular, finely bedded light and dark grey structures. Beds are undulose to deformed, exhibiting brittle and some plastic deformation (soft sediment deformation?). Beds are cross-cut by MG, white dolomitic veinlets/fracture filling.
			41.46	50.14	8.68	DOL	LST	BX					i														Bedding is oriented 50°-60° TCA, steepening with depth.
									BD	60																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION				MINERALS						Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other			
																	Type	Intensity				Type			Intensity	Type	Intensity	
									FR	25	185	3															White, MG, dolomite filled fractures, 1-3 mm irregularly oriented, but most commonly 25°-30° TCA, 185°-190° to BD.	
																											Light to dark grey, marble-like, intensely DOL altered carbonate with veins of mBX crosscutting mottled, marbley breccia with stiched margins. mBX veins are light pinkish-grey clasts with grey-yellow clay rich matrix passing through polymictic, tBX marble altered carbonate with a black breccia matrix. Narrow fractures healed and parallel to bands of BX. Black cBX are crosscut by these fractures.	
			54.94	55.49	0.55	DOL	LST	BX										MBL	ms								Vein of mosaic breccia, clasts are angular and supported by a soft, FG clay matrix. Vein is oriented 25°-40° TCA, and varries from 9 mm to 2.1 cm wide.	
									VN	30																	Narrow white fracture fills crosscutting cBX textures, oriented 30°-40° TCA, 0° to BX vein. Up to 30 per meter.	
									FR	40	0	20															Main orientation to cBX structures, fine black cracks <1 mm wide, oriented 20°-30° TCA, 270° to BX vein.	
									BX	25	270																Light to dark grey, variably BX to mottled, intensely DOL altered LST with masses of Sp, Py and Gn replacements. Core is typically mottled, MG, marble altered carbonate with cBX to tBX textures and weak bedding intermittent throughout. Sulphides are present as irregular masses of replacements to wispy stringers of variable orientations. Some sphalerite blebs are parallel with bedding at 57.45 m. Py is present as bright yellow, metallic, MG-FG masses and wisps with minor galena on edges of PY masses. Gn is seen as FG-MG masses of subhedral crystals with red, MG-FG spalerite. Narrow, partially healed fractures crosscutting minor cBX textures, with minor MX appearing replacing along these fractures. uCN is defined by a Py vein.	
			55.49	64.98	9.49	DOL	LST	BX					i					MBL	ms		t		Gn	t	Sp	t	x	Irregular beds of undulose, narrow dark grey and light grey beds oriented 50° TCA. Bands of wispy Sp mineralization parallel with this fabric.
									BD	50																	Narrow, <1 mm to 2 mm wide, partially healed fractures oriented 40° TCA, 170 degrees to BD. Some have a pink-grey, vFG coating (sulphides?)	
									FR	40	170																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									VN	n/a																Metallic yellow, FG Py vein at 55.90 m, 7.8 cm wide with irregular margins (orientation absent). FG Py stringers shoot off the main vein into open, partially healed fractures adjacent to vein.	
64.98	117.35	52.37				MX														60							Metallic yellow to grey, FG to CG, massive mineralization. Pyrite dominates, other sulphides are seen as masses or with late white Qz. Margins of massive MX exhibit chewed textures, replacing host carbonate. Where present, host rock is mottled, with marble alteration but lacks bands from stronger MBL alteration. Gn is present as CG masses partially occupying open cavities in Py with Qz. A weakly oriented fabric is present in MX. 60% Py.
																											Medium grey to metallic yellow, DOL altered LST and massive MX. LST is mottled with an undulose marble-like fabric with some stylolites on margins of different colour masses of LST. MX is massive band 1.55 m long on upper margin of unit. Massive yellow-grey FG Py is present with coarse GN and white Qz. MX fabric is exhibited in Gn-Qz bodies. Trace Py is present as sinuous stringers within unreplaced LST.
			64.98	70.38	5.40	MX	DOL		BD	50																	Bedding is undulose, oriented 50° TCA
									BN	50	n/a																Qz-Gn mineralization at 66.78 m is oriented 50° TCA in a 4.5 cm wide band.
																											Metallic yellow and grey massive sulphide mineralization dominated by pyrite with galena, sphallerite, sphalerite and quartz. Core is typically blocky with some intervals of gritty rubble. Some runs are muddy. MG, dull grey-yellow Py dominates, with a second, late phase bright yellow, coarse Py crosscutting earlier dull grey-yellow Py. Gn is present as sinuous masses with Qz and Sp seen as FG-MG red crystals on margins of galena masses, to partially filling voids in massive Py. sphallerite is present as brown, dull wispy masses local to Gn MX. MX is largely homogeneous with no obvious zoning. ICN is defined by a soft muddy interval, core below is rubbly redrill and the orientation is obscured.
			70.38	117.35	46.97	MX																				x	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			88.40	89.90					VT	65		3														Bright yellow, metallic Py vein, coarse grained dodecahedrons, oriented 60°-75° TCA, 3 to 7 mm wide.	
			92.95	93.21					BN	60																Dull yellow, FG Py blebs preferentially elongate thruh medium grey DOL LST from 92.95 to 93.21 m. Blebs are elongate at 55° to 65° TCA, though some orientations as low as 25° are seen.	
117.35	149.47	32.12				DOL	LST	BX					i													Dark to medium grey, intensely BX, intensely DOL altered LST. Core is weakly calcareous. Generally blocky, some rubbly zones feature graphitic linings on fracture faces. FG, black cBX is crosscut by white fracture fills which are preferentially oriented. Core is rubbly where cBX is strongest. Some soft grey clay is seen on some rubbly clasts.	
			120.80	131.48					FR	25	n/a	25														White, narrow healed fractures, parallel to subparallel, <1 mm wide, oriented 25°-30° TCA, more than 30 per meter where fracturing is strongest. Core sometimes fractures along these structures, leaving slic, talc covered fracture faces.	
			135.26	149.47	14.21	DOL	LST	BX	CN				i													Dark to medium grey, intensely cBX, intensely DOL altered LST. Core is blocky to rubbly. Gritty angular grains often present where core is most broken. Core breaks preferentially along cBX structures, often with graphite on fracture surfaces. Core becomes more competent above ICN, though cBX is still evident, becoming mosaic-like locally. ICN is defined by an abrupt contact with VOL, but is obscured by broken rubble.	
									BX	30	n/a															A preferential major orientation to some cBX is seen, 25°-35° TCA, defined by parallel, black fractures.	
149.47	155.45	5.98				VOL	BLE													BLE	s	t				Light grey-green, FG to MG, strongly bedded, bleached VOL. Core is soft, easily fissile along bedding planes, exhibiting a bleached appearance throughout. Fracture planes feel talcy. Bedding fabric is stong throughout, with narrow, white, healed fractures running parallel to subparallel to bedding. Py is present as FG, silvery-yellow wisps <1 mm wide, FG disseminations, and as bands up to 9 mm in width.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity				Type	Intensity	Type	Intensity	
									BD	50																A strong bedding fabric is oriented 50° TCA. Curved/folded bedding is seen at 153.02 m, around a FG-MG, dark layer (pillow basalt?).
									FR	40	0															Narrow white fractures, <1 mm wide, oriented 30° to 50° TCA, 0 degrees to bedding. Many fractures per meter. Fracture faces have a slick, talcy feel.
			152.55	153.05	0.50	BAS																				Dark grey-black, MG-FG, crystalline basalt layer. Rock consists of dark grey and black, MG to FG Qz-hornblende(?) other mafic crystals that are visible with a hand lens. Narrow, FG, black bands 1 mm to <1 mm wide are intermittent. uCN is rubbly, defined by a bleached, clay-rich band 10 cm long with clasts supported by bleached VOL. ICN is rubbly, obscured by broken core.
									BN	60																Black, <1 mm to 1 mm wide bands, intermittent but commonly oriented 60° TCA
155.45	172.21	16.76				DOL	LST	BX					i				SIL	s								Dark to medium grey, FG to MG, intensely DOL altered, strongly SIL altered, intensely brecciated LST. Core is rubbly to competent, appearing less broken where SIL alteration is strongest. Core fractures along cBX structures, often with graphitic coatings. A weak clay component is seen where core is most broken.
			166.14	172.21	6.07	DOL	LST	BX					i				SIL	s								Medium grey, intensely DOL altered, strongly SIL altered, MG to FG LST. SIL is exhibited by the hardness and slickness of core, and holds water well. Qz is present as blebs of silicic replacment. Core is MG, marbly in appearance with variable black cBX and white dolomitic sBX textures. A moderate banded texture is overprinted by breccia textures.
																	MBL	m								Moderate marble-like banding, dark grey to light grey, sucrosic MG bands oriented at 70° TCA.
									BN	70																Parallel to sub parallel fractures with a weak graphite component on some fracture surfaces, oriented 40°-45° degrees TCA, 10 per meter.
									FR	45																EOH, past targeted Ocelot MX and through VOL marker horizon.

GEOTECHNICAL LOG

HOLE: OC-11-10

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	3.05	3.05	1.36	45	0.17	6	w	ew	
3.05	4.57	1.52	1.50	99	0.54	36	vs	mw	
4.57	6.10	1.53	1.15	75	0.28	18	ms	mw	
6.10	7.62	1.52	1.45	95	0.51	34	ms	mw	
7.62	9.14	1.52	1.39	91	0.90	59	vs	mw	
9.14	10.67	1.53	1.51	99	0.70	46	ms	mw	
10.67	12.19	1.52	1.39	91	0.82	54	ms	sw	
12.19	13.72	1.53	0.75	49	0.00	0	ms	sw	
13.72	15.24	1.52	1.20	79	0.54	36	ms	sw	
15.24	16.76	1.52	1.40	92	0.55	36	ms	sw	
16.76	18.29	1.53	1.45	95	0.98	64	s	fr	
18.29	19.81	1.52	1.44	95	1.15	76	ms	fr	
19.81	21.34	1.53	1.21	79	0.58	38	vs	fr	
21.34	22.86	1.52	1.48	97	1.24	82	vs	fr	
22.86	24.43	1.57	1.35	86	0.94	60	vs	fr	
24.43	25.91	1.48	1.35	91	0.44	30	ms	fr	
25.91	27.43	1.52	0.84	####	0.15	10	ms	fr	
27.43	28.96	1.53	1.34	####	1.21	79	w	fr	
28.96	30.48	1.52	1.28	####	1.23	81	ms	fr	
30.48	32.00	1.52	1.15	####	0.00	0	w	fr	
32.00	33.53	1.53	1.25	####	0.12	8	w	fr	
33.53	35.05	1.52	1.08	####	0.00	0	ms	fr	
35.05	36.58	1.53	1.15	####	0.28	18	ms	fr	
36.58	38.10	1.52	1.50	####	1.38	91	vs	fr	
38.10	39.62	1.52	1.30	####	1.24	82	ms	fr	
39.62	41.15	1.53	1.40	####	1.03	67	vs	fr	
41.15	42.67	1.52	1.50	####	1.07	70	vs	fr	
42.67	44.20	1.53	1.43	####	0.86	56	s	fr	
44.20	45.72	1.52	1.34	####	1.05	69	vs	fr	
45.72	47.24	1.52	1.30	####	0.38	25	ms	fr	
47.24	48.77	1.53	1.47	96	1.15	75	ms	fr	
48.77	50.29	1.52	1.49	98	1.26	83	s	fr	
50.29	51.82	1.53	1.44	94	1.24	81	ms	fr	
51.82	53.34	1.52	1.49	98	1.44	95	vs	fr	
53.34	54.86	1.52	1.47	97	1.16	76	es	fr	
54.86	56.39	1.53	1.45	95	1.19	78	ms	fr	
56.39	57.91	1.52	1.25	82	1.20	79	ms	fr	
57.91	59.44	1.53	1.27	83	1.18	77	ms	fr	
59.44	60.96	1.52	1.05	69	0.21	14	mw	fr	
60.96	62.48	1.52	1.29	85	0.93	61	mw	fr	
62.48	64.01	1.53	1.45	95	1.20	78	vs	fr	
64.01	65.53	1.52	0.46	30	0.32	21	ms	fr	
65.53	67.06	1.53	0.61	40	0.13	8	ms	fr	
67.06	68.53	1.47	1.22	83	0.63	43	ms	fr	
68.53	70.10	1.57	1.38	88	0.48	31	ms	fr	
70.10	71.63	1.53	1.30	85	0.38	25	ms	fr	
71.63	73.15	1.52	0.41	27	0.00	0	ms	fr	
73.15	74.68	1.53	0.37	24	0.00	0	ew	fr	
74.68	76.20	1.52	0.43	28	0.00	0	ew	fr	
76.20	77.72	1.52	0.92	61	0.32	21	vw	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
77.72	79.25	1.53	1.05	69	0.19	12	vw	fr	
79.25	80.77	1.52	1.22	80	0.65	43	ms	fr	
80.77	82.30	1.53	0.55	36	0.00	0	ms	fr	
82.30	83.82	1.52	1.29	85	0.80	53	ms	fr	
83.82	85.34	1.52	0.78	51	0.15	10	ms	fr	
85.34	86.87	1.53	0.53	35	0.00	0	vs	fr	
86.87	88.39	1.52	0.51	34	0.00	0	ms	fr	
88.39	89.92	1.53	1.25	82	0.39	25	ms	fr	
89.92	91.44	1.52	0.94	62	0.19	13	ms	fr	
91.44	92.96	1.52	1.48	97	1.02	67	vs	fr	
92.96	94.49	1.53	1.13	74	0.61	40	vs	fr	
94.49	96.01	1.52	0.70	46	0.17	11	ms	fr	
96.01	97.54	1.53	0.94	61	0.00	0	s	fr	
97.54	99.06	1.52	1.25	82	0.33	22	w	fr	
99.06	100.58	1.52	0.67	44	0.00	0	w	fr	
100.58	102.11	1.53	0.77	50	0.22	14	vw	fr	
102.11	103.63	1.52	0.86	57	0.10	7	ew	fr	
103.63	105.16	1.53	0.98	64	0.00	0	w	fr	
105.16	106.68	1.52	0.97	64	0.13	9	w	fr	
106.68	108.25	1.57	0.88	56	0.00	0	w	fr	
108.25	109.73	1.48	0.48	32	0.00	0	m	fr	
109.73	111.25	1.52	1.14	75	0.15	10	vw	fr	
111.25	112.78	1.53	0.88	58	0.00	0	ew	fr	
112.78	114.30	1.52	0.80	53	0.00	0	w	fr	
114.30	115.82	1.52	0.69	45	0.00	0	vw	fr	
115.82	117.35	1.53	0.65	42	0.31	20	ew	fr	
117.35	118.87	1.52	0.69	45	0.00	0	ms	fr	
118.87	120.40	1.53	1.50	98	1.02	67	ms	fr	
120.40	121.92	1.52	1.17	77	0.53	35	s	fr	
121.92	123.44	1.52	0.68	45	0.00	0	ms	fr	
123.44	124.97	1.53	1.01	66	0.59	39	w	fr	
124.97	126.49	1.52	0.99	65	0.43	28	ms	fr	
126.49	128.02	1.53	1.20	78	0.67	44	w	fr	
128.02	129.54	1.52	1.50	99	0.14	9	vw	fr	
129.54	131.06	1.52	1.30	86	0.15	10	w	fr	
131.06	132.59	1.53	1.05	69	0.36	24	ms	fr	
132.59	134.11	1.52	1.20	79	0.41	27	w	fr	
134.11	135.64	1.53	1.24	81	0.16	10	ms	fr	
135.64	137.16	1.52	0.91	60	0.00	0	w	fr	
137.16	138.68	1.52	0.68	45	0.00	0	w	fr	
138.68	140.21	1.53	0.93	61	0.00	0	ms	fr	
140.21	141.73	1.52	0.82	54	0.00	0	w	fr	
141.73	143.26	1.53	0.61	40	0.00	0	vw	fr	
143.26	144.78	1.52	0.42	28	0.00	0	w	fr	
144.78	146.30	1.52	1.05	69	0.00	0	w	fr	
146.30	147.83	1.53	1.34	88	0.46	30	ms	fr	
147.83	149.35	1.52	1.38	91	1.06	70	s	fr	
149.35	150.88	1.53	1.02	67	0.46	30	w	fr	
150.88	152.40	1.52	1.18	78	0.11	7	w	fr	
152.40	155.45	3.05	1.14	37	0.00	0	ms	fr	
155.45	156.98	1.53	1.30	85	0.00	0	w	fr	
156.98	158.50	1.52	1.04	68	0.14	9	vw	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
158.50	160.02	1.52	0.77	51	0.00	0	vs	fr	
160.02	161.54	1.52	1.03	68	0.16	11	ms	fr	
161.54	163.07	1.53	1.34	88	0.33	22	s	fr	
163.07	164.59	1.52	1.17	77	0.44	29	vs	fr	
164.59	166.12	1.53	0.95	62	0.00	0	ms	fr	
166.12	167.64	1.52	1.05	69	0.24	16	s	fr	
167.64	169.16	1.52	1.39	91	0.85	56	ms	fr	
169.16	170.69	1.53	1.44	94	1.10	72	w	fr	
170.69	172.21	1.52	0.88	58	0.65	43	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-10

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
49.49	52.49	3.00	2.90	97	G075152	3	0.15	17	2380	
52.49	55.49	3.00	3.00	100	G075153	3	0.21	8	858	
55.49	56.96	1.47	1.41	96	G075154	3	0.58	25	5300	
56.96	58.63	1.67	1.45	87	G075155	3	227.00	105500	73900	
58.63	60.96	2.33	1.56	67	G075156	3	83.10	29600	50300	
60.96	62.48	1.52	1.29	85	G075157	3	0.37	120	568	
62.48	64.98	2.50	1.73	69	G075158	3	0.18	38	383	
64.98	67.06	2.08	0.71	34	G075159	3	40.70	32000	13600	
67.06	68.58	1.52	1.22	80	G075160	4	0.95	117	1000	
68.58	70.38	1.80	1.53	85	G075161	4	1.06	123	3500	
70.38	73.15	2.77	1.34	48	G075162	4	241.00	77900	9860	
73.15	76.20	3.05	0.77	25	G075163	4	16.10	2970	19000	
76.20	79.25	3.05	1.97	65	G075164	4	76.40	6860	19150	
79.25	82.30	3.05	1.77	58	G075165	4	167.00	61200	68200	
-	-	-	-	-	G075166	4	699.00	18800	27800	Standard OC-1
82.30	85.34	3.04	2.07	68	G075167	4	65.50	20800	54300	
85.34	88.39	3.05	1.04	34	G075168	4	20.90	5320	150000	
88.39	91.44	3.05	2.19	72	G075169	4	10.70	992	109500	
91.44	94.49	3.05	2.61	86	G075170	4	13.65	3530	687	
94.49	97.54	3.05	1.64	54	G075171	4	5.04	884	864	
97.54	100.58	3.04	1.92	63	G075172	4	9.66	759	80700	
100.58	103.63	3.05	1.63	53	G075173	4	18.70	1775	219000	
103.63	106.68	3.05	1.95	64	G075174	4	21.90	4650	102500	
106.68	109.73	3.05	1.56	51	G075175	4	22.20	3950	135000	
109.73	112.78	3.05	2.02	66	G075176	4	218.00	73300	211000	
112.78	114.30	1.52	0.80	53	G075177	4	339.00	131500	288000	
114.30	117.35	3.05	1.34	44	G075178	4	244.00	81300	267000	
-	-	-	-	-	G075179	4	0.41	139	447	Blank HQ
117.35	120.40	3.05	2.19	72	G075180	4	21.00	833	21900	
120.40	123.44	3.04	1.85	61	G075181	4	0.29	51	1880	
120.40	123.44	3.04	1.85	61	G075182	4	0.26	40	2090	Duplicate of G075181
123.44	126.49	3.05	2.36	77	G075183	4	0.08	16	497	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
146.47	149.47	3.00	3.00	100	G075184	4	0.05	13	122	
149.47	152.40	2.93	2.30	78	G075185	4	0.10	29	249	
152.40	155.45	3.05	2.40	79	G075186	4	0.14	27	207	
-	-	-	-	-	G075187	4	0.03	7	43	Blank HQ
155.45	156.98	1.53	1.45	95	G075188	4	0.07	17	92	
156.98	160.02	3.04	2.03	67	G075189	4	0.07	16	94	
-	-	-	-	-	G075190	4	59.80	15550	72400	Standard OC-3
160.02	163.07	3.05	2.37	78	G075191	4	0.04	8	53	
163.07	164.59	1.52	1.25	82	G075192	4	0.05	10	73	
164.59	166.12	1.53	1.11	73	G075193	4	0.06	13	178	
166.12	169.16	3.04	2.60	86	G075194	4	0.04	7	63	
169.16	172.21	3.05	2.50	82	G075195	4	0.03	8	61	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-10

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.00	
2.00			0.03	
3.00			0.03	
4.00			0.00	
5.00			0.01	
6.00			0.00	
7.00			0.01	
8.00			0.00	
9.00			0.01	
10.00			0.01	
11.00			0.01	
12.00			0.06	
13.00			0.01	
14.00			0.03	
15.00			0.00	
16.00			0.03	
17.00			0.01	
18.00			0.01	
19.00			0.00	
20.00			0.01	
21.00			0.01	
22.00			0.01	
23.00			0.01	
24.00			0.00	
25.00			0.01	
26.00			0.01	
27.00			0.03	
28.00			0.05	
29.00			0.01	
30.00			0.03	
31.00			0.03	
32.00			0.00	
33.00			0.01	
34.00			0.01	
35.00			0.01	
36.00			0.01	
37.00			0.01	
38.00			0.01	
39.00			0.01	
40.00			0.01	
41.00			0.03	
42.00			0.10	
43.00			0.03	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.01	
46.00			0.01	
47.00			0.08	
48.00			0.05	
49.00			0.06	
50.00			0.01	
51.00			0.01	
52.00			0.03	
53.00			0.05	
54.00			0.01	
55.00			0.03	
56.00			0.03	
57.00			0.06	
58.00			0.16	
59.00			0.05	
60.00			0.15	
61.00			0.00	
62.00			0.03	
63.00			0.01	
64.00			0.00	
65.00			0.03	
66.00			0.03	
67.00			0.06	
68.00			0.00	
69.00			0.03	
70.00			0.01	
71.00			0.03	
72.00			0.03	
73.00			0.03	
74.00			0.01	
75.00			0.05	
76.00			n/a	
77.00			0.16	
78.00			0.13	
79.00			0.03	
80.00			0.05	
81.00			0.03	
82.00			0.10	
83.00			0.18	
84.00			0.13	
85.00			0.08	
86.00			0.08	
87.00			0.05	
88.00			0.03	
89.00			0.16	
90.00			0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.05	
92.00			0.05	
93.00			0.01	
94.00			0.08	
95.00			0.11	
96.00			0.08	
97.00			0.11	
98.00			0.15	
99.00			0.13	
100.00			0.11	
101.00			0.05	
102.00			0.10	
103.00			0.11	
104.00			0.11	
105.00			0.08	
106.00			0.06	
107.00			n/a	
108.00			0.08	
109.00			0.15	
110.00			0.16	
111.00			0.13	
112.00			0.09	
113.00			0.08	
114.00			0.11	
115.00			0.10	
116.00			0.06	
117.00			0.06	
118.00			0.03	
119.00			0.06	
120.00			0.06	
121.00			0.06	
122.00			0.03	
123.00			0.01	
124.00			0.01	
125.00			0.01	
126.00			0.01	
127.00			0.01	
128.00			0.01	
129.00			0.01	
130.00			0.01	
131.00			0.01	
132.00			0.01	
133.00			0.01	
134.00			0.01	
135.00			0.03	
136.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			n/a	
138.00			0.01	
139.00			0.01	
140.00			0.00	
141.00			0.01	
142.00			n/a	
143.00			0.01	
144.00			0.01	
145.00			0.01	
146.00			0.01	
147.00			0.01	
148.00			0.01	
149.00			0.01	
150.00			0.05	
151.00			0.13	
152.00			0.23	
153.00			0.13	
154.00			0.18	
155.00			0.10	
156.00			0.06	
157.00			0.03	
158.00			0.03	
159.00			0.03	
160.00			0.03	
161.00			0.01	
162.00			0.03	
163.00			0.01	
164.00			0.03	
165.00			0.00	
166.00			0.01	
167.00			0.01	
168.00			0.01	
169.00			0.01	
170.00			0.01	
171.00			0.01	
172.00			0.02	
EOH				

BOX LOG

HOLE: OC-11-10

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	5.08	35	142.77	146.20
2	5.08	9.00	36	146.20	149.35
3	9.00	12.62	37	149.35	153.15
4	12.62	17.22	38	153.15	156.15
5	17.22	21.34	39	156.15	159.75
6	21.34	25.55	40	159.75	163.07
7	25.55	29.65	41	163.07	166.99
8	29.65	33.90	42	166.99	170.50
9	33.90	37.86	43	170.50	172.21
10	37.86	41.98			EOH
11	41.98	45.88			
12	45.88	49.92			
13	49.92	53.76			
14	53.76	57.75			
15	57.75	62.10			
16	62.10	67.60			
17	67.60	71.60			
18	71.60	77.72			
19	77.72	82.50			
20	82.50	88.23			
21	88.23	92.00			
22	92.00	96.32			
23	96.32	100.58			
24	100.58	104.89			
25	104.89	109.16			
26	109.16	112.73			
27	112.73	117.00			
28	117.00	120.80			
29	120.80	124.85			
30	124.85	128.35			
31	128.35	131.26			
32	131.26	134.73			
33	134.73	138.68			
34	138.68	142.77			

RAU PROPERTY

ZONE: Ocelot

SECTION: 10+150E

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+150E	9+960N	517117	7127455	755	196.60

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass	120.40	193.6	-50.3	Ranger
28.96	191.8	-49.1	Ranger	150.88	194.3	-50.9	Ranger
59.44	192.1	-49.6	Ranger	181.36	194.8	-50.1	Ranger
89.92	192.9	-49.9	Ranger	196.60	196.0	-49.7	Ranger

TARGET: Strike extension of mineralization

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	1.52	1.52	OVB	
1.52	32.19	30.67	DOL	Brecciated
32.19	33.95	1.76	DOL	Mineralized and brecciated
33.95	37.00	3.05	DOL	Brecciated
37.00	56.06	19.06	Mx	Massive-semimassive sulphides
56.06	64.01	7.95	DOL	Mottled
64.01	70.10	6.09	Mx	Massive-semimassive sulphides
70.10	169.56	99.46	DOL	Brecciated
169.56	179.67	10.11	VOL	Bleached
179.67	196.60	16.93	DOL	Marblized, brecciated

HOLE: OC-11-11

CLAIM: YC69280

Contractor: Superior

Drill: _____

Core size: HQ

Casing depth: 6.10 (m) out

Drilling dates: May 17th to 20, 2011

Geology logged by: K. Unger

SAMPLES
Numbers: <u>G075196 to G075216</u>
Total: <u>21</u>
Batch: <u>5</u>
Certificate: <u>WH11091248</u>

COMMENTS

GEOLOGY LOG

HOLE: OC-11-11

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity				Type	Intensity	Type		
0.00	1.52	1.52				OVB																				Dark brown clay and soil overburden. Trace rounded clasts <3.5 cm of DOL LST rock.
1.52	37.00	35.48				DOL	LST	BX					i				SIL	f								Medium to dark grey, variably brecciated, intensely DOL altered LST. Core is competent to blocky, and typically mottled to marbly in appearance. Some cBX overprints mottled and marbled texture, with some narrow intervals of sBX textures less than 1.4 m wide. Bedding textures are absent. Some cBX and parallel fractures are preferentially oriented 35°-50° TCA.
																										Light to medium grey, MG to FG, intensely DOL altered MBL. Weak to moderate cBX crosscuts MBL textures variably throughout rock, with moderate marble banding throughout interval. Core fractures irregularly, with rusty orange and green weathering on fracture faces.
			1.52	10.84	9.32	MBL	DOL	BX					i				MBL	s								MBL banding, parallel light and medium grey bands oriented 30°-40° TCA.
									BN	35																White, <1 mm wide fractures, variably oriented, 40°-55° TCA, 270° to BN. 5-8 per meter.
									FR	50	270	6														Light grey to dull metallic yellow, FG to MG, intensely DOL altered LST BX with semi-massive Py replacement. Margins of MX are defined by irregular, chewed margins with wispy, FG sulphide stringers following BX matrix structures. A preferential orientation to cBX fractures is seen in unreplaced LST. A weakly oriented fabric in MX replacment is seen. Weak red brown, FG sphalerite crystals are present with trace white, prismatic Qz crystals <1 mm in size in open cavities.
			32.19	33.95	1.76	DOL	MX	BX					i						i			Sp	w			
																										Preferential, dark grey fractures 30°-60° TCA, most commonly at 50°, with crackling shooting off tangential to main cBX structures at this orientation.
									FR	50																Fabric within semi-massive MX, weakly defined by bright Py bands and a loosely common orientation in Qz blebs, 40°-45° TCA.
									BN	40																

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other					
																	Type	Intensity				Type	Intensity	Type			Intensity		
			33.95	37.00	3.05	DOL	LST	BX					i					SIL	ms	w							x	Dark to medium grey, FG to MG, matrix supported tBX, intensely DOL altered LST. Clasts are subangular to subrounded, <1 mm to 3.9 cm in length and randomly oriented. Clasts light to medium grey, weakly polyolithic and supported by a dark, FG matrix. Core is harder than typical DOL LST and Py present in the interval. A graphitic component is seen on some fracture faces of blocky core. Core is most broken near the uCN and ICN, and fractures most readily 35°-50° TCA in two orientations 180° to each other. uCN is abrupt, defined by a change to tBX textures. ICN is defined by a contact with semi-massive replacement MX. A few, narrow, white DOL veinlets are present, crosscutting breccia textures. Weak Py is present as Fg disseminations to replacements of LST breccia clasts.	
				35.10					BN	50																	x	At 35.10 m, a band of Py preferentially replacing LST BX clasts, 12 cm wide with ICN oriented 50° TCA.	
									VT	50																			White, 1 mm to <1 mm wide veinlets,oriented 50°-55° TCA, parallel to mineralized banding, 0° to one of the fracture orientations described above.
37.00	70.10	33.10				MX																							Metallic gery-blue to ruddy brown, FG-CG, massive to semi massive galena-sphallerite-pyrite MX replacing brecciated LST. Gn MX is present as massive aggregates up to 60 cm in length made up of CG to MG galena crystals, to nebulous masses with sphallerite and euhedral, CG Py. sphallerite is ruddy red-brown, FG, massive zones up to 2.6 m long with open vugs enclosing nebulous masses of Gn and regular, CG Py masses. Some Py appears as dull grey, dodecahedrons that may be twinning (marcasite?) with faint, iridescent tarnishes. Trace black Sp is present as MG-CG, subhedral to euhedral growths on the margin of dodecahedral Py and in open cavities in Py masses with prismatic white Qz. Some intervals of unreplaced DOL LST appear marble-like with white filled fractures.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			37.00	45.72	8.72	MX	DOL	BX											m			Sp	f	Gn	w	x	Massive to semimassive, Py-Sm-Gn MX with intensely BX to MBL altered, intensely DOL LST. Sulphide MX is present as semi-massive to massive replacements with chewed, irregular margins with limestone. Carbonate rock is rubbly to blocky with graphitic fracture faces and grit. Rrecovery is highly variable, some core is dark grey, sandy-mud with FG-MG sulphide grains. Some core is coated with black sulphide cuttings. MC is irregular, nebulous masses of blue-grey galena, brown-red sphallerite and regular masses of Py. 10% of core is sulphide MX.
									FR	50		15															Fractures, some graphitic, oriented 45°-50° TCA
									VT	20		1															White dolomitic veinlets in unmineralized rock, 20° TCA, crosscutting breccia textures.
			47.24	51.82	4.58	MX																				x	Metallic grey-blue to ruddy brown, massive CG-FG galena-sphallerite MC with pyrite. 55% Gn, 35 Sp, 5% Py, trace Qz. Massive GN present as bodies up to 65 long to nebulous masses and wisps within a FG Sp-Py groundmass. Some Py present as 3 cm, regular crystals to disseminations and small masses <5 cm in size. Core is generally blocky with cubes of sand sized galena or pyrite grains. uCN and ICN obscured by core breaks. Recovery is variable.
			54.81	56.06	1.25	MX																				x	Dull, metallic yellow, FG, massive, pitty Py MX with nebulous masses of red-brown sphallerite with wisps of whtie Qz. Core is blocky to rubbly. Trace euhedral Gn is present with Qz in partially filled vugs.
			56.06	64.01	7.95	DOL	LST	MO																			Medium to light grey, MG to FG, moderately MBL altered, moderately SIL altered, intensely DOL altered LST. Core is generally mottled to moderately marble-like in appearance with mBX to tBX textures appearing cloudy and overprinted by MBL alteration. Trace FG, euhedral Py disseminations are seen preferential to breccia matrix. Core is harder than typical, translucent grey Qz is present as nebulous masses.
									BD	60																	Mottled, irregular bedding at 60.70 m, oriented 50° 70° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other					
																	Type	Intensity				Type	Intensity	Type			Intensity		
			64.01	70.10	6.09	MX			CN											i					Gn	m	Dull, metallic yellow to grey, massive to semi-massive MX replacing cBX-mBX DOL LST. Massive dull yellow, FG Py wth Gn and white Qz and CG white DOL replaces DOL LST with irregular, chewed replacement margins. Core is blocy to gritty, with white, coarse Qz and silver Gn sand. Trace red, MG subhedral Sp is accociated with galena. MX becomes more diffuse with depth approaching the ICN. ICN is defined at the end of a rubbly, broken drill run with wisps of Py distal from main MX at 70.10 m.		
																									Sp	t			
																												Light to medium grey, FG to MG, variably BX, intensely DOL altered LST. Core is mottled to bedded with variable BX textures overprinting earlier fabrics. cBX to sBX textures dominate; dark grey, FG cBX fractures randomly crosscut MBL and sBX textures. Core is competent to rubbly, appearing most broken where cBX is strongest, with variable graphite present on fracture faces. BD is intermittent, but commonly oriented.	
70.10	169.56	99.46				DOL	LST	BX					i																
									BD	50																			BD is oriented at 50 degrees TCA where present.
			95.86	96.30																									Dull yellow, FG, metallic Py vein with wispy Py replacing along cBX structures along vein margins. Core is rubbly-grit, the majority of vein material appears as muddy sand in the core box. ICN is defined by a sharp, graphitic margin oriented at 30 degrees TCA. Py-Qz-dolomite replacements are seen up to 26 cm from vein limits. The vein itself is 8 cm wide at 96.04 m.
									VN	30																		x	
			109.94	121.14	11.20	DOL	LST	BD	CN				i															x	Dark to light grey, FG to CG, fossiliferous, intensely DOL altered LST with rhythmic beds of oolites and ostracod pack/grainstone interbedded with dark grey, FG LST. Core becomes more grainstone with depth, interbedding becomes absent and rock appears more massive. Fossil fragments/oolites are up to 5 mm long, generally ovular. uCN is irregular with dark, FG, LST clasts supported by a packstone matrix over 14 cm (slump?)

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS					Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other		
																	Type	Intensity				Type			Intensity	Type	Intensity
			121.14	124.07	2.93	DOL	LST	MA	CN	55			i													Dark grey, FG, strongly DOL altered, massive LST. Core is weakly calcareous, and massive in texture throughout. Narrow, white, dolomitic fracture fills are seen, core fractures preferentially to the orientation of these structures. uCN is defined by a contact between FG muds and oolitic grainstone above at 124.07 m, oriented at 55° TCA (bedding?)	
									FR	35	110	5															White, <1 mm wide fracture fills, 35°-40° TCA, 110° to bedding/uCN. 5 per meter.
			124.07	136.78	12.71																						Dark to light grey, intensely DOL altered, bedded LST. Dark grey pellets are present with a light grey DOL matrix. Core is variably grain and matrix supported, with interbeds of dark FG, DOL LST. Breccia textures absent. Ooids/pellets <3 mm in size, generally 1 mm.
									BD	60																	Bedding is defined by oolitic and mud interbeds, 60° TCA.
			150.88	169.56	18.68	MBL	DOL	BX	CN				i													x	Light grey, MG, DOL altered Marble with variable black cBX throughout. Relict beds appear as irregular to broken, narrow dark grey structures parallel to subparallel throughout. uCN is obscured by a run break and broken core. Some mottled, wavy textures are seen, dark grey masses share stiched margins with light grey, DOL MBL. Trace vugs host <1 mm dolomite rhombs. Core appears more mottled with depth approaching VOL. ICN is defined by an irregular, wavy contact at 169.56 m.
																											Light grey-green,FG to MG< strongly bedded, bleached VOL. Interbeds of soft grey-green VOL and grey, crystalline rock (basalt?). Crystalline beds are up to 22 cm wide. ICN is irregular, defoned by increasingly dolomitic LST interbeds with VOL over 40 cm.
169.56	179.67	10.11				VOL	BLE												t							x	Dark grey-black, FG, mafic, crystalline basalt interbed. uCN is sharp, 47° TCA, defined by a Py-clay band. ICN oriented at 45° TCA with Py along it's margin. Py is present as narrow bands on the basalt margins and as FG disseminations.
			176.78	176.99	0.21	BAS													t								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other		
																	Type	Intensity				Type	Intensity			Type	Intensity	
179.67	196.60	16.93				DOL	LST						i					SIL	s							x	Medium to dark grey, FG-MG, intensely DOL altered, ms MBL and strongly SIL altered LST. Silicic replacment present as tark grey, translucent Qz blobs and hard, slick core. Some irregular, large clasts are supported by an MG, salt and pepper dolomitic matrix, with polyolithic clasts made up of carbonate rock and hard, dark grey, silicic clasts with soft, white amygdules. MBL textures dominate below clastic (debris flow) textures, and appears weakly banded with narrow, <10 cm wide bands of sBX textures and weak cBX.	
									50																			MBL banding is oriented at 50° TCA
																												EOH, past targeted MX and VOL unit.

GEOTECHNICAL LOG

HOLE: OC-11-11

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	0.65	43	0.00	0	ew	ew	
1.52	3.05	1.53	0.22	14	0.00	0	w	hw	
3.05	4.57	1.52	0.08	5	0.00	0	w	mw	
4.57	6.10	1.53	0.27	18	0.00	0	s	mw	
6.10	7.62	1.52	1.23	81	0.42	28	vs	sw	
7.62	9.14	1.52	1.45	95	0.87	57	vs	sw	
9.14	10.67	1.53	1.48	97	0.26	17	s	sw	
10.67	12.19	1.52	1.35	89	0.54	36	s	sw	
12.19	13.72	1.53	1.35	88	0.38	25	vs	sw	
13.72	15.24	1.52	0.83	55	0.00	0	vs	sw	
15.24	16.76	1.52	1.22	80	0.43	28	s	fr	
16.76	18.29	1.53	1.28	84	0.34	22	vs	fr	
18.29	19.81	1.52	1.25	82	0.63	41	ms	fr	
19.81	21.34	1.53	1.39	91	0.59	39	vs	fr	
21.34	22.86	1.52	1.41	93	0.75	49	vs	fr	
22.86	24.38	1.52	0.74	49	0.11	7	ms	fr	
24.38	25.91	1.53	1.22	80	0.48	31	ms	fr	
25.91	27.43	1.52	1.43	94	0.92	61	vs	fr	
27.43	28.96	1.53	1.36	89	0.65	42	s	fr	
28.96	30.48	1.52	1.17	77	0.67	44	s	fr	
30.48	32.00	1.52	1.00	66	0.78	51	s	fr	
32.00	33.53	1.53	1.05	69	0.72	47	vs	fr	
33.53	35.05	1.52	1.30	86	0.40	26	ms	fr	
35.05	36.58	1.53	1.40	92	0.98	64	s	fr	
36.58	38.10	1.52	1.21	80	0.38	25	s	fr	
38.10	39.62	1.52	0.95	63	0.26	17	ew	fr	
39.62	41.15	1.53	0.36	24	0.00	0	w	fr	
41.15	42.67	1.52	0.43	28	0.00	0	ms	fr	
42.67	44.20	1.53	0.07	5	0.00	0	es	fr	
44.20	45.72	1.52	0.17	11	0.00	0	ms	fr	
45.72	47.24	1.52	0.42	28	0.00	0	ew	fr	
47.24	48.77	1.53	0.92	60	0.44	29	w	fr	
48.77	50.29	1.52	1.10	72	0.83	55	ms	fr	
50.29	51.82	1.53	1.25	82	0.79	52	w	fr	
51.82	53.34	1.52	0.76	50	0.20	13	ms	fr	
53.34	54.86	1.52	0.84	55	0.19	13	ms	fr	
54.86	56.39	1.53	0.99	65	0.16	10	w	fr	
56.39	57.91	1.52	1.33	88	1.02	67	ms	fr	
57.91	59.44	1.53	1.19	78	0.00	0	es	fr	
59.44	60.96	1.52	1.11	73	0.25	16	vs	fr	
60.96	62.48	1.52	1.49	98	1.23	81	vs	fr	
62.48	64.01	1.53	1.30	85	0.20	13	s	fr	
64.01	65.53	1.52	1.04	68	0.16	11	ms	fr	
65.53	67.06	1.53	0.82	54	0.11	7	w	fr	
67.06	68.58	1.52	0.89	59	0.00	0	w	fr	
68.58	70.10	1.52	0.88	58	0.00	0	w	fr	
70.10	71.63	1.53	1.28	84	0.73	48	es	fr	
71.63	73.15	1.52	1.47	97	0.90	59	ms	fr	
73.15	74.68	1.53	1.34	88	0.51	33	ms	fr	
74.68	76.20	1.52	1.39	91	0.36	24	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.35	89	0.82	54	s	fr	
77.72	79.25	1.53	1.28	84	0.43	28	ms	fr	
79.25	80.77	1.52	1.25	82	0.58	38	w	fr	
80.77	82.30	1.53	1.00	65	0.13	8	w	fr	
82.30	83.82	1.52	1.31	86	0.46	30	w	fr	
83.82	85.34	1.52	1.38	91	1.02	67	s	fr	
85.34	86.87	1.53	1.32	86	0.80	52	ms	fr	
86.87	88.39	1.52	1.32	87	0.84	55	vs	fr	
88.39	89.92	1.53	1.30	85	0.66	43	vs	fr	
89.92	91.44	1.52	1.12	74	0.45	30	w	fr	
91.44	92.96	1.52	1.30	86	0.98	64	ms	fr	
92.96	94.49	1.53	1.24	81	0.57	37	ms	fr	
94.49	96.01	1.52	0.97	64	0.31	20	ms	fr	
96.01	97.54	1.53	1.22	80	0.84	55	ms	fr	
97.54	99.06	1.52	1.45	95	1.18	78	s	fr	
99.06	100.58	1.52	1.26	83	0.55	36	w	fr	
100.58	102.11	1.53	1.17	76	0.74	48	w	fr	
102.11	103.63	1.52	1.30	86	0.63	41	vw	fr	
103.63	105.16	1.53	1.48	97	1.12	73	ms	fr	
105.16	106.68	1.52	1.51	99	1.26	83	vs	fr	
106.68	108.20	1.52	1.31	86	0.81	53	s	fr	
108.20	109.73	1.53	1.38	90	1.21	79	ms	fr	
109.73	111.25	1.52	1.37	90	1.22	80	w	fr	
111.25	112.78	1.53	1.29	84	0.53	35	vs	fr	
112.78	114.30	1.52	1.37	90	0.48	32	s	fr	
114.30	115.82	1.52	1.51	99	0.90	59	s	fr	
115.82	117.35	1.53	1.23	80	0.24	16	vs	fr	
117.35	118.87	1.52	1.09	72	0.19	12	vs	fr	
118.87	120.40	1.53	1.20	78	0.53	35	vs	fr	
120.40	121.92	1.52	1.03	68	0.44	29	s	fr	
121.92	123.44	1.52	1.29	85	0.98	64	s	fr	
123.44	124.97	1.53	1.29	84	0.38	25	ms	fr	
124.97	126.49	1.52	1.22	80	0.70	46	vs	fr	
126.49	128.02	1.53	1.92	125	0.50	33	ms	fr	
128.02	129.54	1.52	1.13	74	0.38	25	ms	fr	
129.54	131.06	1.52	0.90	59	0.00	0	w	fr	
131.06	132.59	1.53	0.53	35	0.00	0	w	fr	
132.59	134.11	1.52	0.73	48	0.00	0	vw	fr	
134.11	135.64	1.53	1.14	75	0.00	0	w	fr	
135.64	137.16	1.52	1.16	76	0.42	28	vs	fr	
137.16	138.68	1.52	1.39	91	0.80	53	w	fr	
138.68	140.21	1.53	1.20	78	0.78	51	s	fr	
140.21	141.73	1.52	1.37	90	0.53	35	vs	fr	
141.73	143.26	1.53	1.22	80	0.46	30	s	fr	
143.26	144.78	1.52	1.46	96	1.17	77	vs	fr	
144.78	146.30	1.52	1.45	95	0.84	55	s	fr	
146.30	147.83	1.53	1.10	72	0.33	22	s	fr	
147.83	149.35	1.52	1.22	80	0.85	56	vs	fr	
149.35	150.88	1.53	1.30	85	0.14	9	vs	fr	
150.88	152.40	1.52	1.20	79	0.65	43	w	fr	
152.40	153.92	1.52	0.88	58	0.00	0	ms	fr	
153.92	155.45	1.53	1.30	85	0.74	48	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
155.45	156.97	1.52	1.46	96	1.44	95	vs	fr	
156.97	158.50	1.53	1.37	90	1.16	76	vs	fr	
158.50	160.02	1.52	1.33	87	1.18	78	vs	fr	
160.02	161.54	1.52	1.37	90	1.18	78	s	fr	
161.54	163.07	1.53	1.47	96	1.45	95	s	fr	
163.07	164.59	1.52	1.00	66	0.70	46	s	fr	
164.59	166.12	1.53	1.05	69	0.38	25	s	fr	
166.12	167.64	1.52	1.07	70	0.28	18	vs	fr	
167.64	169.16	1.52	1.45	95	1.02	67	ms	fr	
169.16	170.69	1.53	1.30	85	0.11	7	ms	fr	
170.69	172.21	1.52	1.24	82	0.25	16	vs	fr	
172.21	173.74	1.53	1.24	81	0.18	12	s	fr	
173.74	175.26	1.52	1.37	90	0.61	40	ms	fr	
175.26	176.78	1.52	1.30	86	1.32	87	vs	fr	
176.78	178.31	1.53	1.00	65	0.14	9	vw	fr	
178.31	179.83	1.52	0.90	59	0.15	10	es	fr	
179.83	181.36	1.53	1.32	86	0.80	52	s	fr	
181.36	182.88	1.52	1.25	82	0.65	43	vs	fr	
182.88	184.40	1.52	1.52	100	1.32	87	es	fr	
184.40	185.93	1.53	1.35	88	1.31	86	vs	fr	
185.93	187.45	1.52	1.20	79	0.60	39	vs	fr	
187.45	188.98	1.53	1.39	91	0.75	49	es	fr	
188.98	190.50	1.52	1.02	67	0.17	11	es	fr	
190.50	192.02	1.52	1.24	82	0.29	19	s	fr	
192.02	193.55	1.53	1.31	86	0.41	27	vs	fr	
193.55	195.07	1.52	1.34	88	0.86	57	s	fr	
195.07	196.60	1.53	1.52	99	1.21	79	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-11

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
26.19	29.19	3.00	2.85	95	G075196	5	0.13	18	426	
29.19	32.19	3.00	2.59	86	G075197	5	0.30	48	1140	
32.19	33.95	1.76	1.56	89	G075198	5	4.84	114	95600	
33.95	37.00	3.05	2.85	93	G075199	5	0.65	46	3910	
37.00	39.62	2.62	2.20	84	G075200	5	704.00	84900	142000	
39.62	42.67	3.05	1.30	43	G075201	5	1.07	172	6360	
-	-	-	-	-	G075202	5	697.00	18750	26700	Standard OC-3
42.67	45.72	3.05	0.89	29	G075203	5	1.74	553	303	
45.72	47.24	1.52	0.60	39	G075204	5	614.00	238100	183500	
47.24	50.29	3.05	2.47	81	G075205	5	589.00	446000	192000	
-	-	-	-	-	G075206	5	0.11	66	43	Blank HQ
50.29	51.82	1.53	1.50	98	G075207	5	881.00	707600	99000	
51.82	54.86	3.04	2.90	95	G075208	5	60.90	18900	206000	
54.86	57.91	3.05	2.47	81	G075209	5	7.31	3610	1500	
57.91	60.96	3.05	2.20	72	G075210	5	0.84	122	414	
60.96	64.01	3.05	2.64	87	G075211	5	0.65	168	427	
64.01	65.53	1.52	1.07	70	G075212	5	41.70	6890	7120	
65.53	67.06	1.53	0.95	62	G075213	5	418.00	96600	21800	
67.06	70.10	3.04	1.64	54	G075214	5	90.00	12200	10850	
70.10	73.15	3.05	2.80	92	G075215	5	0.72	165	632	
73.15	76.20	3.05	2.74	90	G075216	5	0.29	51	328	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-11

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			0.00	
3.00			0.01	
4.00			0.01	
5.00			0.01	
6.00			0.01	
7.00			0.01	
8.00			0.01	
9.00			0.01	
10.00			0.01	
11.00			0.01	
12.00			0.00	
13.00			0.01	
14.00			0.01	
15.00			0.01	
16.00			0.01	
17.00			0.01	
18.00			0.01	
19.00			0.01	
20.00			0.01	
21.00			0.01	
22.00			0.00	
23.00			0.01	
24.00			0.01	
25.00			0.01	
26.00			0.03	
27.00			0.03	
28.00			0.01	
29.00			0.01	
30.00			0.01	
31.00			0.01	
32.00			0.03	
33.00			0.01	
34.00			0.03	
35.00			0.11	
36.00			0.05	
37.00			0.08	
38.00			0.11	
39.00			0.10	
40.00			0.08	
41.00			n/a	
42.00			n/a	
43.00			0.01	
44.00			0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.03	
46.00			0.10	
47.00			n/a	
48.00			0.20	
49.00			0.05	
50.00			0.13	
51.00			0.03	
52.00			0.11	
53.00			0.06	
54.00			0.10	
55.00			n/a	
56.00			n/a	
57.00			0.00	
58.00			0.01	
59.00			0.03	
60.00			0.03	
61.00			0.01	
62.00			0.01	
63.00			0.03	
64.00			0.05	
65.00			0.06	
66.00			0.08	
67.00			0.06	
68.00			0.01	
69.00			0.05	
70.00			0.05	
71.00			0.01	
72.00			0.01	
73.00			0.01	
74.00			0.03	
75.00			0.01	
76.00			0.01	
77.00			0.05	
78.00			0.01	
79.00			0.00	
80.00			0.00	
81.00			0.01	
82.00			0.01	
83.00			0.00	
84.00			0.01	
85.00			0.01	
86.00			0.00	
87.00			0.00	
88.00			0.00	
89.00			0.01	
90.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.01	
94.00			0.00	
95.00			0.00	
96.00			0.18	
97.00			0.01	
98.00			0.00	
99.00			0.01	
100.00			0.00	
101.00			0.01	
102.00			0.01	
103.00			0.01	
104.00			0.00	
105.00			0.01	
106.00			0.01	
107.00			0.03	
108.00			0.01	
109.00			0.00	
110.00			0.01	
111.00			0.01	
112.00			0.00	
113.00			0.01	
114.00			0.01	
115.00			0.01	
116.00			0.01	
117.00			0.01	
118.00			0.01	
119.00			0.00	
120.00			0.00	
121.00			0.01	
122.00			0.01	
123.00			0.03	
124.00			0.03	
125.00			0.01	
126.00			0.01	
127.00			0.02	
128.00			0.01	
129.00			0.01	
130.00			n/a	
131.00			0.00	
132.00			n/a	
133.00			n/a	
134.00			n/a	
135.00			n/a	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.00	
139.00			0.00	
140.00			0.03	
141.00			0.00	
142.00			0.01	
143.00			0.01	
144.00			0.01	
145.00			0.01	
146.00			0.01	
147.00			0.01	
148.00			0.01	
149.00			0.00	
150.00			0.01	
151.00			0.00	
152.00			0.05	
153.00			0.01	
154.00			0.00	
155.00			0.00	
156.00			0.01	
157.00			0.01	
158.00			0.00	
159.00			0.01	
160.00			0.01	
161.00			0.00	
162.00			0.00	
163.00			0.00	
164.00			0.01	
165.00			0.01	
166.00			0.01	
167.00			0.01	
168.00			0.01	
169.00			0.01	
170.00			0.05	
171.00			0.10	
172.00			0.05	
173.00			0.38	
174.00			0.24	
175.00			0.13	
176.00			0.23	
177.00			0.03	
178.00			0.03	
179.00			0.03	
180.00			0.06	
181.00			0.03	
182.00			0.05	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.03	
184.00			0.01	
185.00			0.01	
186.00			0.01	
187.00			0.01	
188.00			0.03	
189.00			0.03	
190.00			0.01	
191.00			0.00	
192.00			0.03	
193.00			0.01	
194.00			0.00	
195.00			0.01	
196.00			0.01	
EOH				

BOX LOG

HOLE: OC-11-11

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	7.91	35	128.32	132.37
2	7.91	11.48	36	132.37	134.85
3	11.48	15.24	37	134.85	137.83
4	15.24	19.20	38	137.83	141.02
5	19.20	22.42	39	141.02	144.40
6	22.42	26.03	40	144.40	147.83
7	26.03	29.00	41	147.83	150.88
8	29.00	32.40	42	150.88	153.92
9	32.40	35.57	43	153.92	157.16
10	35.57	38.67	44	157.16	160.85
11	38.67	44.20	45	160.85	164.59
12	44.20	49.84	46	164.59	167.64
13	49.84	53.34	47	167.64	170.95
14	53.34	57.05	48	170.95	174.75
15	57.05	60.74	49	174.75	178.31
16	60.74	64.16	50	178.31	181.70
17	64.16	68.15	51	181.70	185.50
18	68.15	71.63	52	185.50	188.98
19	71.63	75.32	53	188.98	192.47
20	75.32	78.85	54	192.47	196.60
21	78.85	82.22	EOH		
22	82.22	85.34			
23	85.34	89.15			
24	89.15	92.64			
25	92.64	96.22			
26	96.22	99.94			
27	99.94	103.30			
28	103.30	107.04			
29	107.04	110.70			
30	110.70	114.30			
31	114.30	117.61			
32	117.61	121.40			
33	121.40	124.97			
34	124.97	128.32			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+150E	9+960N	517117	7127455	755	231.65

ZONE: Ocelot

SECTION: 10+150E

HOLE: OC-11-12

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 4.57 (m) out

Drilling dates: May 21 to 25, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-70.0	compass	140.21	195.8	-71.8	Ranger
48.77	192.7	-71.1	Ranger	170.69	196.4	-72.1	Ranger
79.25	194.0	-71.3	Ranger	201.17	197.6	-72.0	Ranger
109.73	194.7	-71.6	Ranger	231.65	198.6	-72.0	Ranger

TARGET: Ocelot mineralization, down-dip from OC-11-11

[illegible]

SAMPLES
Numbers: G075217 to G075247
Total: <u>31</u>
Batch: <u>5,6</u>
Certificate: WH11091248, WH11097792

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-12

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity				
0.00	3.05	3.05				OVB																				Overburden, organic mat over brown soil/clay and rubbly DOL LST.	
																											Medium to dark grey, MG to FG, variably BX and MBL altered, intensely DOL altered LST with intermittent SIL alteration. Weak amounts of graphitic fractures are seen where cBX structures are strong and core is most broken. Core is typically marble altered to mottled with cBX-mBX overprints. Bedding is absent.
3.05	58.40	55.35				DOL	LST	BX					i					MBL	s								
																		SIL	ms								
																											Medium to light grey, mottled, strongly MBL altered, MG DOL LST with fair weathering. Rusty orange and green coatings are present on fracture faces. Weak cBX overprints minor sBX textures. Vugs where core is mottled are less than 1 cm in size with toothy dolomite and crystalline graphite partially filling cavity spaces. Core is blocky. Bedding is absent.
			3.05	12.60	9.55	DOL	LST	BX					i					MBL	s								
																		WEA	f								
																											Dark grey, MG, cBX, strongly SIL altered, marbly DOL altered LST. Dark grey, parallel fractures are present with crackling branching off main fracture orientation. Some minor white dolomite is present where fractures are wider, up to 1 cm. Core is hard and holds water well. uCN and ICN are gradational, defined by transition from hard core becoming softer and more typical over 10-15 cm.
			24.04	25.99	1.95	DOL	LST	BX					i					SIL	s								
																		MBL	s								
									FR	35	n/a																Parallel fractures with crackling branching off, oriented 30°-35° TCA. Many per meter.
																											Medium to light grey, strongly cBX, intensely DOL altered LST. MG, massive marble-like LST is overprinted by strong, preferentially, oriented cBX with some graphitic margins along broken cBX structures.
			49.12	52.30	3.18	DOL	LST	BX					i													x	
									FR	35																	Parallel to sub-parallel cBX orientaiton, 25°-40° TCA. cBX textures increase with depth.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			52.30	54.53	2.23	MX													80							Dill yellow-grey, FG to CG, metallic Py MX with prismatic white Qz and black and red Sp occupying open splaces. Margins of MX are chewed and irregular with wispy stringers propagating down cBX structures from massive MX bodies. Grey, Qz structures are loosely oriented in massive Py. Core is block to rubbly.	
									VT	30																Irregular, grey Qz bands, 25°-35° TCA, <1 mm to 4 mm wide at 53.55 m.	
			54.23	58.40	4.17	DOL	LST		CN	35			i					MBL	s							Light to dark grey, MG, weakly cBX, intensely DOL altered, massive LST. Weak cBX increases with depth, becoming strong above ICN. ICN is defined from a change from cBX to massive MC at 58.40 m, oriented 30°-40° TCA.	
58.40	85.23	26.83				MX													50			Sp	s	Gn	m	x	Metallic, dull yellow grey to grey-brown, FG to CG, massive to semi-massive Py MX with sphallerite, galena and white Qz. Core is blocky to rubly with some sandy Py intervals where core is most broken. Gn is present as masses <20 cm in size, intermittently throughout. Dirty red-brown sphallerite is present as irregular masses strongly associated with galena. Red-black, MG sphalerite crystals are present with partially filling open cavities in massive Py. Intermittent zones of unreplaced DOL LST up to 58 cm long exhibit intense cBX fracturing with FG Py disseminations along cBX fractures. White, CG dolomite is present in some margins of massive MX. Most MX margins are irregular with a chewed replacement texture. A lack of strong zoning in mineralization is seen, and is generally homogeneous throughout, though the largest GN mass is directly below the uCN. uCN is defined by intensely cBX white dolomite contact transitioning into massive Gn+Py MX. ICN is sharp, planar, with massive sandy/rubbly Py above intensely brecciated LST oriented at 55° TCA.
																											White, CG dolomite and bright yellow, CG Py vein with a sharp, lower margin, vein material is gritty-rubble in the core box. Vein is found at 73.85 m, oriented at 35° TCA.
									VN	35																x	Bright yellow, CG Py veinlet crosscutting Sm-Py-dolomite MX at 72.00 m, oriented 45° TCA.
									VT	45																x	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									FR	55		3															A common fracture orientation is seen, sometimes with late, bright yellow, MG Py on fracture faces oriented 55° TCA, 2-3 per meter, 5-7 where strongest.
85.23	216.65	131.42				DOL	LST	BX					i					MBL	s								Medium to dark grey, variably brecciated, intensely DOL LST. Core is typically MG, marble-like in appearance. Bedding is intermittent, undulate, narrow, black structures are commonly oriented. Weak cBX overprints marble alteration and other common mottled textures.
									BD	55																	50°-55° TCA, where irregular, undulate, dark beds are seen against light grey, marble altered LST.
																											Dark to light grey, MG to FG, intensely BX, strongly silicic, intensely DOL altered MBL. Core is typically MG, light to medium grey, angular marble clasts in a black, FG, cBX to mBX matrix. Core is blocky and less broken where SIL is strongest, core becomes rubbly with depth as SIL alteration decreases. Some graphitic margins are seen on fracture faces where core is most broken. Some FG Py is sometimes seen on fracture faces.
			85.23	102.11	16.88	MBL	DOL	BX					i					MBL	i							x	
																		SIL	s	t							
									FR	55	n/a	6															A preferential orientation to fractures in strongly silicic core, 55° TCA, 5-7 per meter.
																											Medium to dark grey, intensely DOL altered, BX LST. The core is rubbly, fracturing easily along cBX structures. Weak, FG-MG galena and red sphalerite is present as masses up to 8 cm in size and as disseminations present on the faces of rubbly clasts. Py is present with depth as Sp+Gn become absent. Py is present with graphite and clay along cBX structures and as a muddy band poured into the box from 106.68 to 106.97 m. Recovery is poor, as low as 30%.
			102.11	106.97	4.86	DOL	LST	BX					i							w			Gn	w	Sp	w	
																											Dark grey, FG, massive DOL LST with gastropod, ostracod and other fossils. Core is 10 to 15% fossils. uCN is sharp, defined by a bed between light grey marble and FG, dark grey LST at 149.33 m oriented 55° TCA. Narrow, white, <1 mm wide healed fractures are seen crosscut by marrow, white dolomitic fractures.
			149.33	159.90	10.57	DOL	LST	MA					i														Bedding is defined by cryptic, preferentially elongate mottled textures (bioturbation?)
									BD	55																	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
									FR	25	130	6														White, narrow crack sealed structures <1 mm wide, generally oriented at 20°-25° TCA, 130° to BD, though other orientations are seen. 5-7 per meter.		
									FR	55	0																A second orietation to narrow, white crack sealed structures, 55° TCA, 0° to BD.	
									FR	50	0	1															White, MG, dolomite veinlets crosscutting narrower fractures, 50° TCA, 0° to bedding. 1 per meter.	
			159.90	181.46	21.56	DOL	LST	MA	CN				i					SIL	s								Dark to medium grey, mottled to massive, intensely DOL, strongly SIL altered LST> Core is generally dark grey and hard, with some cryptic fossils and ameboid blebs of translucent grey Qz. Bedding textures are not common. Core is competent and hard where SIL is strongest. ICN is defined by presence of sandy interbeds with dolomitic cement at 181.46 m with irregular orientations. A few scattered, commonly oriented white veinlets are present.	
			170.01	174.85					BD	55																	Mottled, irregular bedding is defined but undulate fabric, oriented 55° TCA.	
									VT	25	n/a	1															White, MG dolomite veins, 1-2 mm wide with trace FG blebs of dark yellow pyrite oriented 26°-27° TCA 1 per meter.	
			174.85	196.93	22.08	DOL	LST	BD					i					SIL	s								Medium to dark grey, interbedded and mottled, intensely DOL LST and sand. Sandy beds with dolomitic cement between medium to dark grey, variably fossiliferous LST beds. Dark grey LST and sandy beds are up to 2 m thick. Dark, FG interbeds also present as <1 mm laminations. Bedding textures are variably oriented, from 45° to 60° TCA. Sandy beds are made up of <1 mm, rounded, dark to medium grey grains with occasional tabular fragments of FG interbeds up to 9 mm x 5 mm in size. Weak cBX is intermittent. Core is blocky throughout.	
									BD	55																		Bedding is oriented 45°-60° TCA, generally steeper.
									FR	40	180	6															Core fracture preferentially in 2 directions, the most common is at 40° TCA, 180° to BD. 6 per meter.	
									FR	20	180	2															A second fracture orientation is 20° TCA, 180° to BD. 2 per meter.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS					Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other	
																	Type	Intensity				Type			Intensity	Type
			196.93	216.65	19.72	MBL	DOL						i				MBL	i								Light grey, MG, intensely DOL MBL with relict, deformed undulate bedding. Core is generally light grey to white, MG, dolomite marble with irregular, undulate, <1 mm to 4 mm wide deformed/broken beds and dark, irregular masses up to 5.5 cm wide. Intermittent, variably oriented stylolites are present. Weak, narrow black cBX structures are intermittent. ICN is sharp, defined by contact with green VOL bed at 216.65 m.
									BD	50																Defined by relict bedding, 45°-55° TCA
									VT	n/a																Metallic yellow, MG, pyrite and rusty orange-brown siderite vein with prismatic white Qz. Core is locally rubbly, obscuring vein orientation. Py appears as wispy masses on rubblely chunks of core.
216.65	226.21	9.56				VOL		BD									CHL	ms	w						x	Grey green, FG to MG, interbedded VOL with hard, pink-grey to black, crystalline interbeds. Bedding fabric is strong. Weak Py is present as narrow, FG bands parallel with bedding to small masses <1.5 cm within hard, crystalline core. MG, hard crystalline beds are up to 8 cm thick, pink to black and intermittent throughout, often with pyritic margins. Bulk of core is FG, soft grey-green to pine green, with a laminated fabric. Weak white fractures are orthorhombic to bedding and truncated by hard, crystalline beds. ICN is defined by rounded clasts of polyolithic rock, up to 3.9 cm in size and loosely oriented with BD hosting Py disseminations and sinuous, 1mm wide Py bands.
									BD	55																Strong bedding oriented 45°-60° TCA, most commonly at 55°.
									FR	25	160															White fracture filled structures in soft green VOL, 20°-30° TCA, 150° to 160° to BD.

GEOLOGY LOG

[illegible]

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS							DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			Photo		
																	Type	Intensity				Type	Intensity	Type	Intensity				

GEOTECHNICAL LOG

HOLE: OC-11-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	3.05	3.05	0.71	23	0.00	0	ew	ew	
3.05	4.57	1.52	1.00	66	0.25	16	s	hw	
4.57	6.10	1.53	1.15	75	0.56	37	vs	sw	
6.10	7.62	1.52	1.18	78	0.61	40	vs	sw	
7.62	9.14	1.52	1.13	74	0.51	34	s	sw	
9.14	10.67	1.53	0.96	63	0.36	24	vs	sw	
10.67	12.19	1.52	0.98	64	0.21	14	vs	fr	
12.19	13.72	1.53	1.25	82	0.24	16	s	fr	
13.72	15.24	1.52	1.18	78	0.61	40	w	fr	
15.24	16.76	1.52	1.03	68	0.21	14	vs	fr	
16.76	18.29	1.53	1.43	93	0.81	53	w	fr	
18.29	19.81	1.52	1.32	87	0.72	47	w	fr	
19.81	21.34	1.53	1.44	94	0.69	45	s	fr	
21.34	22.86	1.52	1.32	87	0.80	53	vs	fr	
22.86	24.38	1.52	1.17	77	0.84	55	ms	fr	
24.38	25.91	1.53	1.37	90	1.23	80	es	fr	
25.91	27.43	1.52	1.08	71	0.71	47	ms	fr	
27.43	28.96	1.53	1.27	83	0.60	39	ms	fr	
28.96	30.48	1.52	1.45	95	0.88	58	ms	fr	
30.48	32.00	1.52	1.32	87	0.72	47	ms	fr	
32.00	33.53	1.53	1.32	86	0.49	32	ms	fr	
33.53	35.05	1.52	1.19	78	0.66	43	ms	fr	
35.05	36.58	1.53	1.14	75	0.55	36	w	fr	
36.58	38.10	1.52	1.42	93	1.04	68	ms	fr	
38.10	39.62	1.52	1.37	90	1.06	70	ms	fr	
39.62	41.15	1.53	1.46	95	0.81	53	s	fr	
41.15	42.67	1.52	1.32	87	1.08	71	s	fr	
42.67	44.20	1.53	1.48	97	0.70	46	s	fr	
44.20	45.72	1.52	1.26	83	1.18	78	vs	fr	
45.72	47.24	1.52	1.48	97	0.96	63	ms	fr	
47.24	48.77	1.53	1.46	95	1.06	69	s	fr	
48.77	50.29	1.52	1.43	94	0.97	64	s	fr	
50.29	51.82	1.53	1.40	92	1.34	88	s	fr	
51.82	53.34	1.52	1.29	85	0.61	40	ms	fr	
53.34	54.86	1.52	0.99	65	0.00	0	ms	fr	
54.86	56.39	1.53	1.41	92	1.25	82	s	fr	
56.39	57.91	1.52	1.30	86	0.79	52	ms	fr	
57.91	59.44	1.53	1.29	84	0.50	33	ms	fr	
59.44	60.96	1.52	1.28	84	0.28	18	w	fr	
60.96	62.48	1.52	1.35	89	0.40	26	ms	fr	
62.48	64.01	1.53	1.30	85	0.32	21	vw	fr	
64.01	65.53	1.52	1.05	69	0.00	0	ms	fr	
65.53	67.06	1.53	0.80	52	0.07	5	ew	fr	
67.06	68.58	1.52	1.00	66	0.00	0	ew	fr	
68.58	70.10	1.52	0.93	61	0.00	0	s	fr	
70.10	71.63	1.53	0.85	56	0.00	0	vw	fr	
71.63	73.15	1.52	0.88	58	0.00	0	vw	fr	
73.15	74.68	1.53	1.18	77	0.00	0	w	fr	
74.68	76.20	1.52	0.84	55	0.00	0	w	fr	
76.20	77.72	1.52	0.95	63	0.00	0	vw	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
77.72	79.25	1.53	1.08	71	0.00	0	vs	fr	
79.25	80.77	1.52	1.16	76	0.41	27	ms	fr	
80.77	82.30	1.53	0.58	38	0.00	0	vw	fr	
82.30	83.82	1.52	0.70	46	0.00	0	vw	fr	
83.82	85.34	1.52	0.80	53	0.00	0	s	fr	
85.34	86.87	1.53	1.34	88	0.72	47	s	fr	
86.87	88.39	1.52	1.38	91	0.58	38	s	fr	
88.39	89.92	1.53	1.23	80	0.30	20	ms	fr	
89.92	91.44	1.52	1.08	71	0.41	27	s	fr	
91.44	92.96	1.52	1.45	95	1.13	74	ms	fr	
92.96	94.49	1.53	1.31	86	0.81	53	s	fr	
94.49	96.01	1.52	1.30	86	0.48	32	w	fr	
96.01	97.54	1.53	1.09	71	0.58	38	s	fr	
97.54	99.06	1.52	0.45	30	0.00	0	w	fr	
99.06	100.58	1.52	0.94	62	0.00	0	w	fr	
100.58	102.11	1.53	0.75	49	0.20	13	vw	fr	
102.11	103.63	1.52	0.71	47	0.00	0	vw	fr	
103.63	105.16	1.53	1.00	65	0.43	28	ms	fr	
105.16	106.68	1.52	0.42	28	0.00	0	vw	fr	
106.68	108.20	1.52	1.04	68	0.14	9	vw	fr	
108.20	109.73	1.53	1.06	69	0.12	8	s	fr	
109.73	111.25	1.52	1.42	93	1.10	72	s	fr	
111.25	112.78	1.53	1.30	85	0.82	54	vs	fr	
112.78	114.30	1.52	1.32	87	0.53	35	s	fr	
114.30	115.82	1.52	1.12	74	0.21	14	ms	fr	
115.82	117.35	1.53	1.36	89	0.86	56	ms	fr	
117.35	118.87	1.52	1.10	72	0.36	24	ms	fr	
118.87	120.40	1.53	1.35	88	0.46	30	ms	fr	
120.40	121.92	1.52	1.19	78	0.12	8	ms	fr	
121.92	123.44	1.52	1.15	76	0.40	26	ms	fr	
123.44	124.97	1.53	1.17	76	0.45	29	ms	fr	
124.97	126.49	1.52	1.22	80	0.39	26	s	fr	
126.49	128.02	1.53	1.20	78	0.55	36	ms	fr	
128.02	129.54	1.52	1.15	76	0.30	20	ms	fr	
129.54	131.06	1.52	1.33	87	0.74	49	ms	fr	
131.06	132.59	1.53	1.29	84	0.32	21	ms	fr	
132.59	134.11	1.52	1.18	78	0.56	37	ms	fr	
134.11	135.64	1.53	1.22	80	0.81	53	s	fr	
135.64	137.16	1.52	1.01	66	0.34	22	s	fr	
137.16	138.68	1.52	1.17	77	0.28	18	ms	fr	
138.68	140.21	1.53	1.11	73	0.54	35	ms	fr	
140.21	141.73	1.52	0.78	51	0.00	0	ms	fr	
141.73	143.26	1.53	1.23	80	0.00	0	s	fr	
143.26	144.78	1.52	0.95	62	0.24	16	s	fr	
144.78	146.30	1.52	1.42	93	0.55	36	ms	fr	
146.30	149.35	3.05	2.09	69	0.55	18	ms	fr	
149.35	150.88	1.53	1.25	82	0.95	62	ms	fr	
150.88	152.40	1.52	1.38	91	1.04	68	ms	fr	
152.40	153.92	1.52	1.39	91	1.17	77	ms	fr	
153.92	155.45	1.53	1.22	80	0.45	29	s	fr	
155.45	156.97	1.52	1.16	76	0.51	34	ms	fr	
156.97	158.50	1.53	1.38	90	0.63	41	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
158.50	160.02	1.52	1.43	94	0.93	61	ms	fr	
160.02	161.54	1.52	1.20	79	0.78	51	w	fr	
161.54	163.07	1.53	1.12	73	0.38	25	s	fr	
163.07	164.59	1.52	1.10	72	0.60	39	s	fr	
164.59	166.12	1.53	1.09	71	0.30	20	vs	fr	
166.12	167.64	1.52	1.50	99	1.20	79	vs	fr	
167.64	169.16	1.52	1.42	93	0.77	51	es	fr	
169.16	170.69	1.53	1.41	92	0.90	59	s	fr	
170.69	172.21	1.52	1.25	82	0.39	26	es	fr	
172.21	173.74	1.53	1.12	73	0.20	13	ms	fr	
173.74	175.26	1.52	0.95	63	0.27	18	s	fr	
175.26	176.78	1.52	1.02	67	0.33	22	ms	fr	
176.78	178.31	1.53	1.42	93	0.66	43	s	fr	
178.31	179.83	1.52	1.49	98	1.41	93	vs	fr	
179.83	181.36	1.53	1.38	90	1.10	72	s	fr	
181.36	182.88	1.52	1.22	80	0.66	43	s	fr	
182.88	184.40	1.52	1.30	86	0.99	65	s	fr	
184.40	185.93	1.53	1.20	78	0.52	34	ms	fr	
185.93	187.45	1.52	1.18	78	0.24	16	vs	fr	
187.45	188.98	1.53	1.17	76	0.13	8	ms	fr	
188.98	190.50	1.52	1.16	76	0.20	13	vs	fr	
190.50	192.02	1.52	1.14	75	0.35	23	s	fr	
192.02	193.55	1.53	1.24	81	0.31	20	s	fr	
193.55	195.07	1.52	1.40	92	0.62	41	s	fr	
195.07	196.60	1.53	1.40	92	0.88	58	s	fr	
196.60	198.12	1.52	1.03	68	0.16	11	ms	fr	
198.12	199.64	1.52	1.03	68	0.10	7	ms	fr	
199.64	201.17	1.53	1.44	94	0.50	33	ms	fr	
201.17	202.69	1.52	1.32	87	0.56	37	vs	fr	
202.69	204.22	1.53	1.27	83	0.54	35	s	fr	
204.22	205.74	1.52	1.29	85	0.50	33	s	fr	
205.74	207.26	1.52	1.30	86	0.30	20	vs	fr	
207.26	208.79	1.53	1.12	73	0.12	8	s	fr	
208.79	210.31	1.52	1.41	93	1.00	66	s	fr	
210.31	211.84	1.53	1.31	86	0.00	0	ms	fr	
211.84	213.36	1.52	1.30	86	0.45	30	ms	fr	
213.36	214.88	1.52	1.15	76	0.39	26	vs	fr	
214.88	216.41	1.53	1.25	82	0.59	39	s	fr	
216.41	217.93	1.52	1.48	97	1.18	78	vs	fr	
217.93	219.46	1.53	1.24	81	0.97	63	ms	fr	
219.46	220.98	1.52	1.09	72	0.25	16	ms	fr	
220.98	222.50	1.52	1.02	67	0.00	0	ms	fr	
222.50	224.03	1.53	1.32	86	0.25	16	ms	fr	
224.03	225.55	1.52	1.26	83	0.25	16	s	fr	
225.55	227.08	1.53	1.34	88	0.78	51	s	fr	
227.08	228.60	1.52	1.38	91	1.07	70	s	fr	
228.60	230.12	1.52	1.27	84	0.72	47	es	fr	
230.12	231.65	1.53	1.43	93	1.08	71	vs	fr	
	EOH								

SAMPLE LOG

HOLE: OC-11-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
46.16	49.16	3.00	2.87	96	G075217	5	0.20	55	211	
49.16	52.16	3.00	2.80	93	G075218	5	0.27	29	410	
52.16	54.40	2.24	1.70	76	G075219	5	6.99	556	51100	
54.40	56.40	2.00	2.00	100	G075220	5	0.22	17	259	
-	-	-	-	-	G075221	5	0.23	23	331	Duplicate
56.40	58.40	2.00	1.72	86	G075222	5	0.32	33	493	
58.40	59.44	1.04	0.88	85	G075223	5	765.00	262000	119000	
59.44	62.48	3.04	2.39	79	G075224	5	28.10	3420	81500	
62.48	65.53	3.05	2.25	74	G075225	5	30.80	12750	24300	
-	-	-	-	-	G075226	5	0.06	20	93	Blank HQ
65.53	68.58	3.05	1.60	52	G075227	5	27.20	7360	207000	
-	-	-	-	-	G075228	5	350.00	9420	13600	Standard OC-2
68.58	71.63	3.05	1.70	56	G075229	5	44.60	13300	270000	
71.63	74.68	3.05	1.71	56	G075230	5	26.30	11700	227000	
74.68	77.72	3.04	1.86	61	G075231	5	29.90	4000	238000	
77.72	79.25	1.53	1.05	69	G075232	6	165.00	60300	27100	
79.25	82.30	3.05	1.12	37	G075233	6	80.80	20100	79600	
82.30	85.23	2.93	1.55	53	G075234	6	20.00	3030	17450	
85.23	86.87	1.64	1.46	89	G075235	6	0.31	59	266	
86.87	89.92	3.05	2.55	84	G075236	6	0.21	30	101	
89.92	92.96	3.04	2.39	79	G075237	6	0.10	8	61	
89.92	92.96	3.04	2.39	79	G075238	6	0.12	10	59	Duplicate
92.96	96.01	3.05	2.42	79	G075239	6	0.21	10	131	
96.01	99.06	3.05	1.52	50	G075240	6	0.11	10	126	
99.06	102.11	3.05	1.69	55	G075241	6	0.10	21	101	
-	-	-	-	-	G075242	6	60.70	16050	72300	Standard OC-3
102.11	103.63	1.52	0.71	47	G075243	6	192.00	64900	51100	
103.63	105.16	1.53	1.00	65	G075244	6	0.44	66	166	
105.16	106.97	1.81	0.72	40	G075245	6	32.90	4000	5120	
106.97	109.97	3.00	2.16	72	G075246	6	0.83	144	55	
109.97	112.97	3.00	2.67	89	G075247	6	0.28	27	89	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-12

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.43	
2.00			0.60	
3.00			n/a	
4.00			0.00	
5.00			0.00	
6.00			0.01	
7.00			0.03	
8.00			0.00	
9.00			0.03	
10.00			0.00	
11.00			0.01	
12.00			0.01	
13.00			0.03	
14.00			0.00	
15.00			0.01	
16.00			0.08	
17.00			0.01	
18.00			0.01	
19.00			0.01	
20.00			0.01	
21.00			0.00	
22.00			0.01	
23.00			0.01	
24.00			0.03	
25.00			0.00	
26.00			0.00	
27.00			n/a	
28.00			0.01	
29.00			0.01	
30.00			0.01	
31.00			0.01	
32.00			0.00	
33.00			0.01	
34.00			0.06	
35.00			0.01	
36.00			0.01	
37.00			0.00	
38.00			0.00	
39.00			0.00	
40.00			0.01	
41.00			0.00	
42.00			0.01	
43.00			0.01	
44.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.01	
46.00			0.00	
47.00			0.00	
48.00			0.01	
49.00			0.01	
50.00			0.01	
51.00			0.00	
52.00			0.03	
53.00			0.11	
54.00			0.35	
55.00			0.01	
56.00			0.01	
57.00			0.03	
58.00			0.01	
59.00			0.05	
60.00			0.16	
61.00			0.10	
62.00			0.05	
63.00			0.05	
64.00			0.01	
65.00			0.00	
66.00			0.35	
67.00			0.06	
68.00			0.06	
69.00			n/a	
70.00			0.05	
71.00			0.11	
72.00			0.06	
73.00			n/a	
74.00			0.10	
75.00			0.77	
76.00			0.94	
77.00			n/a	
78.00			0.01	
79.00			0.01	
80.00			0.01	
81.00			0.01	
82.00			0.01	
83.00			0.01	
84.00			0.01	
85.00			0.013	
86.00			0.013	
87.00			0.013	
88.00			0.01	
89.00			0.01	
90.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.01	
94.00			0.01	
95.00			0.01	
96.00			0.01	
97.00			0.01	
98.00			0.01	
99.00			0.01	
100.00			0.01	
101.00			n/a	
102.00			0.10	
103.00			0.10	
104.00			0.10	
105.00			0.10	
106.00			0.11	
107.00			0.11	
108.00			0.11	
109.00			0.11	
110.00			0.12	
111.00			0.12	
112.00			0.12	
113.00			0.12	
114.00			0.13	
115.00			0.13	
116.00			0.13	
117.00			0.13	
118.00			0.14	
119.00			0.14	
120.00			0.14	
121.00			0.15	
122.00			0.15	
123.00			0.15	
124.00			0.15	
125.00			0.16	
126.00			0.16	
127.00			0.16	
128.00			0.16	
129.00			0.17	
130.00			0.17	
131.00			0.17	
132.00			0.17	
133.00			0.18	
134.00			0.18	
135.00			0.18	
136.00			0.18	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.19	
138.00			0.19	
139.00			0.19	
140.00			0.20	
141.00			0.20	
142.00			0.20	
143.00			n/a	
144.00			0.08	
145.00			0.09	
146.00			0.09	
147.00			n/a	
148.00			0.10	
149.00			1.11	
150.00			1.28	
151.00			n/a	
152.00			0.01	
153.00			0.01	
154.00			0.01	
155.00			0.01	
156.00			0.01	
157.00			0.01	
158.00			0.01	
159.00			0.013	
160.00			0.013	
161.00			0.013	
162.00			0.01	
163.00			0.01	
164.00			0.01	
165.00			0.01	
166.00			0.01	
167.00			0.01	
168.00			0.01	
169.00			0.01	
170.00			0.01	
171.00			0.01	
172.00			0.01	
173.00			0.01	
174.00			0.01	
175.00			n/a	
176.00			0.20	
177.00			0.21	
178.00			0.21	
179.00			0.21	
180.00			0.21	
181.00			0.22	
182.00			0.22	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.22	
184.00			0.22	
185.00			0.23	
186.00			0.23	
187.00			0.23	
188.00			0.23	
189.00			0.24	
190.00			0.24	
191.00			0.24	
192.00			0.24	
193.00			0.25	
194.00			0.25	
195.00			0.25	
196.00			0.26	
197.00			0.26	
198.00			0.26	
199.00			0.26	
200.00			0.27	
201.00			0.27	
202.00			0.27	
203.00			0.27	
204.00			0.28	
205.00			0.28	
206.00			0.28	
207.00			0.28	
208.00			0.29	
209.00			0.29	
210.00			0.29	
211.00			0.29	
212.00			0.30	
213.00			0.30	
214.00			0.30	
215.00			0.31	
216.00			0.31	
217.00			n/a	
218.00			0.10	
219.00			0.10	
220.00			0.11	
221.00			n/a	
222.00			0.10	
223.00			1.45	
224.00			1.62	
225.00			n/a	
226.00			0.01	
227.00			0.01	
228.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
229.00			0.01	
230.00			0.01	
231.00			0.01	
232.00			0.01	
EOH				

BOX LOG

HOLE: OC-11-12

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	6.29	36	129.87	133.50
2	6.29	10.54	37	133.50	136.85
3	10.54	13.83	38	136.85	139.89
4	13.83	17.46	39	139.89	142.97
5	17.46	21.34	40	142.97	146.46
6	21.34	24.95	41	146.46	150.05
7	24.95	27.96	42	150.05	153.86
8	27.96	31.17	43	153.86	157.29
9	31.17	34.43	44	157.29	161.37
10	34.43	37.47	45	161.37	164.84
11	37.47	40.96	46	164.84	168.68
12	40.96	44.49	47	168.68	172.06
13	44.49	48.36	48	172.06	175.26
14	48.36	51.82	49	175.26	178.31
15	51.82	54.86	50	178.31	182.00
16	54.86	58.40	51	182.00	185.07
17	58.40	61.62	52	185.07	188.22
18	61.62	65.00	53	188.22	191.21
19	65.00	68.56	54	191.21	194.28
20	68.56	72.00	55	194.28	197.09
21	72.00	75.20	56	197.09	200.84
22	75.20	79.00	57	200.84	204.45
23	79.00	83.82	58	204.45	208.40
24	83.82	87.84	59	208.40	211.84
25	87.84	91.44	60	211.84	215.34
26	91.44	95.00	61	215.34	219.46
27	95.00	99.40	62	219.46	223.00
28	99.40	104.50	63	223.00	225.95
29	104.50	108.80	64	225.95	229.12
30	108.80	112.78	65	229.12	231.65
31	112.78	110.40		EOH	
32	110.40	119.90			
33	119.90	123.60			
34	123.60	126.82			
35	126.82	129.87			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+125E	10+000N	517112	7127508	755	217.93

ZONE: Ocelot

SECTION: 10+125E

HOLE: OC-11-13

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 3.05 (m) out

Drilling dates: May 26 to 30, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-65.0	compass	126.49	191.6	-65.8	Ranger
35.05	191.6	-63.8	Ranger	156.97	191.5	-66.0	Ranger
65.53	191.9	-64.4	Ranger	187.45	192.8	-66.3	Ranger
96.01	189.6	-64.8	Ranger	217.93	193.2	-66.6	Ranger

TARGET: Down dip extension of mineralization

[illegible]

SAMPLES
Numbers: G075248 to G075267
Total: <u>20</u>
Batch: <u>6</u>
Certificate: WH11097792

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-13

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	10.67	10.67				OVB							i					WEA	m								Rusty grey to brown, intensely DOL altered LST rubble and soil. Brown soil is present down to 1.00 m becoming weathered, blocky to rubbly DOL LST with intermittent intervals of brown clay and rubble. Rusty red to grey-green coatings are seen on fracture faces. Majority of LST appears mottled, with some minor intervals with planar bedding textures.
									BD	45																	Bedding is oriented 40° to 45° TCA
10.67	40.15	29.48				DOL	LST	MO					i					SIL	s								Dark to medium grey, mottled, intensely DOL altered, strongly SIL LST. Core is generally mottled bedding fabrics are obscured or obliterated. Weak cBX and sBX textures re variable. Qz-dolomite blebs are ameboid in shape with white dolomite rims around grey, translucent quartz blebs generally <1 cm in size. Trace graphite is present proximal to clear, CG Qz masses and in open cracks and cavities with Qz. Core sometimes appears glassy when wet, and is harder than typical.
																											Dark to medium grey, variably sBX, strongly SIL altered, intensely DOL altered LST. Core is variably mottled to clastic in texture, with SIL-DOL replacement and angular, <1 cm clasts of dark to medium grey polyolithic carbonate rock within a MG to FG medium grey matrix. Moderate white, angular, <1 to 2.5 cm wide, sBX-like textures overprint mottled textures. Bedding textures are absent. Contacts are obsucred by broken core.
			13.97	20.74	6.77	DOL	LST	BX					i					SIL	s								

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other						
																	Type	Intensity				Type	Intensity	Type			Intensity			
40.15	42.96	2.81				MX														60				Sp		25	x	Metallic yellow to red brown, MG to CG, massive Py with sphalerite and weak galena. Py dominated, though massive, MG, red-brown Sp is seen from 40.15 to 41.15 m with narrow, Py-Qz structures commonly oriented through massive Sp. Sp below 41.00 m is associated with MG, silvery galena forming irregular, undulate bands and masses, and partially filling cavities with <2 mm prismatic Qz crystals. Py is dull grey-yellow in appearance, a second phase of Py is present rimming some cavity walls and appears much brighter and more coarse grained. uCN is abrupt, but is obscured by rubbly core at the contact. The ICN is defined by an irregular, chewed magin between massive replacement MX above and grey DOL LST below at 42.46 m.		
			40.15	41.00	0.85				BN	40	n/a													Gn	w					Qz-Py bands 1 to 3 mm wide, planar to irregular are oriented together at 30° to 50° TCA.
																													Medium to dark grey, variably SIL and MBL altered, intensely DOL altered, variably BX LST. Core is blocky to competent, and is intermittently hard where SIL alteration is the strongest. Scattered blebs of Qz-dolomite replacements are seen with trace graphite. Mottled textures are most common, divided by intervals of MBL amd BX textures. Mottled fabric is loosely oriented, defined by elongate textures commonly oriented.	
42.96	169.16	126.20				DOL	LST	MO					i					SIL	s											
																		MBL	s											Defined by elongate, light grey dolomite blebs and undulate fabric, MO is oriented 45°-60° TCA.
									MO	55																				Dark to medium grey, strongly SIL, intensely DOL, moderately BX LST. Dark to medium grey mottled core is overprinted by angular, white dolomitic fracture fills sBX-like in texture, and dolomite-quartz replacement bodies. White dolomite structures are randomly oriented with variable grey, translucent Qz within the core of some fractures. Contacts are defined by start and stop in BX textures. Trace graphite is present with Qz-Dol replacements.
			50.24	55.86	5.62	DOL	LST	BX					i					SIL	s						Gr	t	x			

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			57.38	64.65	7.27	MBL	DOL	BN					i														Light grey, MG, intensely DOL altered MBL with weak to moderate cBX textures. MBL banding is diffuse, cloudy, and commonly oriented. White crackling fractures and less common black cBX which crosscuts white fractures are randomly oriented and scattered throughout. uCN is gradational, mottled textures become marble over 7 cm. ICN is defined by a vein of graphite, pyrite and trace peacock bornite at 64.65 m, becoming strongly BX below.	
									BN	55														Gr	t		Marble banding is oriented 55°-60° TCA	
			64.65	67.06	2.41	DOL	LST	BX	FLT	40			i													x	Light to medium grey, FG to MG, tBX to cBX, intensely DOL altered LST. cBX transitions into tBX with core becoming gritty, light grey and black gouge at 65.50 m. Some graphitic margins are seen on fracture faces of rubbly core. Angular, polyolithic DOL LST clasts are angular with core variably clast to matrix supported with dark, FG, graphitic matrix or white, MG-FG dolomite matrix. FLT fabric is mylonitic at 65.50 m, oriented 30° to 45° TCA. cBX orientation is parallel with fault. ICN is obscured by broken, rubbly core.	
									VT	30	n/a																	White to yellow, MG to CG, Dol-Py-Gr-Qz veinlet, 30° TCA. Py is present as MG disseminations along veinlet margins. Trace peacock tarnished MG dodecahedrons of bornite are hosted in open space with prismatic MG quartz.
			67.06	79.31	12.25	DOL	LST	MO					i					SIL	s								Medium to dark grey, mottled, strongly SIL, intensely DOL altered LST. Silicic core is dark grey, hard, and hosts blebs of grey, translucent Qz with dolomitic rims. The mottled texture is loosely oriented. ICN is gradational, mottled to MBL texturetransition over 10 cm. Weak cBX increases with depth below uCN.	
									MO	50																		Mottled fabric is oriented 45°-50° TCA (bioturbation?)
			79.31	81.35	2.04	MBL	DOL						i					SIL	ms								Light grey, MG, intensely DOL altered MBL with moderate-strong SIL alteration. Marble banding is parallel with elongate, grey, transluscent Qz veinlets/blebs parellel with banding. ICN is gradational, shifting from MBL to mottled over 12 cm. Weak cBX is randomly oriented.	
									BN	50																		MBL banding oriented 50°-55° TCA
									VT	50	0	4																Grey, transluscent Qz stringers/veinlets, 50° TCA, 0° to BN. 4 per meter.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			102.44	153.25	50.81	DOL	LST	BX					i													Medium to dark grey, intensely DOL altered, strongly BX LST. Breccia is made up of polyolithic clasts and is variably matrix to clast supported with rounded to subangular, irregular clasts within a MG to FG dark grey matrix. Clasts are seen greater in size than core diameter and down to <1 mm. Clasts are DOL altered carbonate in various shades of grey Angular, mBX textures are also seen with a FG black matrix. Variable cBX overprints polyolithic, tBX (debris flow?) rock. Some unbrecciated core exhibits laminated to finely bedded, irregular beds and mottled texture. Core is blocky to rubbly and is more broken with depth. Some graphitic margins are present where cBX is strong.	
			118.00	119.50	1.50				BD	50																Bedding is oriented 55 degrees TCA from 118.00 to 119.50 m.	
			153.25	169.26	16.01	DOL	LST	BX					i													Dark to medium grey, intensely BX, intensely DOL altered LST. Core is shattered in appearance, rubbly to blocky, breaking along cBX structures. Core gradationally shifts from cBX to tBX textures with depth, becoming very graphitic 4.5 m above ICN. Core is variably clast supported with a black, FG matrix to gouge textures of FG, grey grit at 160.48 m. ICN is obscured by a very short core run. Recovery is variable throughout.	
169.16	182.88	13.72				MX													50		Sp	20	Gn	10		Metallic yellow to red-brown to silvery grey, massive to semi-massive Py-Sp-Gn MX. Core is blocky to rubbly, often as coarse grit. MX is FG to CG, forming nebulous masses. Gn is most strongly associated with sphalerite MX. White Qz is present as irregular masses partially filling veins and open spaces, often after bright yellow,striated, CG pyrite. LST is mottled, DOL and SIL altered where not replaced by MX. uCN and ICN are obscured by broken core at ends of drill runs. ICN is defined by sandy pyrite mud at 182.88 m at the end of a drill run, becoming DOL LST below.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			169.16	172.90	3.74	MX													w			Sp	60	Gn	30	x	Red-brown to metallic grey-blue, MG to CG, massive sphallerite and galena. Galena is present as masses of MG to CG crystals up to 18 cm wide in massive, MG CG, red-brown sphalerite with CG-MG pyrite. Weak Qz is seen as white blebs to partially filling vugs as prismatic crystals. A parallel fabric is seen within MX, galena and pyrite seen in bands commonly oriented. ICN is defined by hiatus of large galena masses, becoming sphalerite with pyrite. Core becomes dominated by pyrite below 172.90 m.
									BN	60																	Banded fabric to MX, bands to masses are elongate parallel-subparallel with each other, 45° to 60° TCA.
			172.90	176.74	3.84	MX													60			Sp	ms	Gn	f		Metallic yellow to brown, massive MX dominated by pyrite with irregular masses of CG galena, MG sphalerite and white quartz. Core becomes increasingly pyritic with depth, and is blocky to gritty and is often seen with pyrite sand in the bottom of core box rows. MX fabric is irregualr, lacking orientation as in the zone above. Bright yellow, CG, striated pyrite is seen on the margins of Qz filled masses (second later phase of pyrite).
			176.64	182.88	6.24	MX													50								Dull metallic yelow-grey to grey, semi-massive MX replacement with MG-CG MX in SIL and DOL altered LST. Py dominates with intervals up to 33 cm wide with wispy, chewed margins. Some masses of white, CG dolomite are seen along some massive MX to blobs captured within pyrite replacement. Py is generally FG-MG dull yellow-grey massive bodies with a a bright, coarse grained, striated pyrite rimming cavity walls. Core is rubbly to blocky, often with Py grit where mineralized. ICN is defined by sandy pyrite mid above ICN at 182.88 m. Contact is obscured by end of drill run, becoming SIL-DOL LST below.
													FR	45													Parallel fractures in core, 40°-50° TCA, fracturing both mineralized and LST core.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other			
																	Type	Intensity				Type	Intensity			Type	Intensity		
182.88	217.93	35.05				DOL	LST	BD					i					SIL	s	t			Fu	t			x	Dark to medium grey, strongly SIL altered, intensely DOL altered LST with sandy interbeds. LST beds are mottled in texture with ostracod and gastropod fossil textures exhibited by delicate, rice grain and circular, light grey-white structures. Mottled textures are weakly aligned (bioturbation?). Interbeds of sand become more frequent with depth, increasing in width to 2.5 m. Sandy beds are variably poorly to well sorted, hard, dark grey-black and medium grey grains in dolomitic cement. Grains are <1 mm to 5 mm in size.	
									BD	45																			Bedding is best seen in sandy intervals with FG, muddy interbeds with undulate bedding, 45°-50° TCA.
									VT	30	80	1																	Irregular, white, dolomitic fracture fills, variably oriented, 30° TCA, 70°-90° to BD
									VT	20	0	1																	Second white dolomite structure orientation, 50° TCA, 0° to BD.
									FR	50	200	8																	Core preferentially fractures 40°-50° TCA, 200° tc BD, up to 12 per meter.
	EOH																												EOH, past targeted MX and into rock lacking indications seen in other holes of MX or alteration below. Hole terminated.

SAMPLE LOG

HOLE: OC-11-13

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
34.15	37.15	3.00	2.75	92	G075248	6	0.19	13	64	
37.15	40.15	3.00	2.52	84	G075249	6	0.78	148	1330	
-	-	-	-	-	G075250	6	704.00	19000	26700	Standard OC-1
40.15	41.15	1.00	0.72	72	G075251	6	61.50	14800	259000	
41.15	42.96	1.81	1.52	84	G075252	6	71.10	29900	129500	
-	-	-	-	-	G075253	6	0.28	75	491	Blank HQ
12.96	45.96	33.00	2.95	9	G075254	6	1.16	373	905	
45.96	48.96	3.00	2.20	73	G075255	6	0.06	6	188	
160.02	163.07	3.05	1.78	58	G075256	6	0.06	8	86	
163.07	166.12	3.05	1.91	63	G075257	6	0.25	11	227	
166.12	169.16	3.04	0.66	22	G075258	6	0.24	17	397	
169.16	171.16	2.00	1.67	84	G075259	6	578.00	239200	333800	
171.16	172.90	1.74	1.30	75	G075260	6	384.00	159000	197000	
-	-	-	-	-	G075261	6	0.60	320	479	Blank HQ
172.90	173.94	1.04	1.03	99	G075262	6	369.00	103000	96300	
173.94	176.78	2.84	2.08	73	G075263	6	28.40	1620	19150	
176.78	179.83	3.05	2.01	66	G075264	6	23.80	2440	1440	
179.83	182.88	3.05	1.55	51	G075265	6	9.39	1015	1120	
182.88	185.93	3.05	1.35	44	G075266	6	0.48	29	58	
185.93	188.98	3.05	2.56	84	G075267	6	0.20	10	34	

GEOTECHNICAL LOG

HOLE: OC-11-13

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	3.05	3.05	0.98	32	0.00	0	vs	ew	
3.05	4.57	1.52	0.92	61	0.13	9	s	hw	
4.57	6.10	1.53	0.95	62	0.00	0	ms	sw	
6.10	7.62	1.52	1.25	82	0.25	16	ms	sw	
7.62	9.14	1.52	1.16	76	0.00	0	s	sw	
9.14	10.67	1.53	0.85	56	0.00	0	ms	mw	
10.67	12.19	1.52	1.00	66	0.37	24	vs	sw	
12.19	13.72	1.53	1.28	84	0.00	0	w	sw	
13.72	15.24	1.52	1.24	82	0.61	40	s	fr	
15.24	16.76	1.52	1.42	93	0.85	56	s	fr	
16.76	18.29	1.53	1.38	90	0.78	51	s	fr	
18.29	19.81	1.52	1.34	88	0.52	34	s	fr	
19.81	21.34	1.53	1.30	85	0.80	52	ms	fr	
21.34	22.86	1.52	1.37	90	1.12	74	ms	fr	
22.86	24.38	1.52	1.29	85	1.06	70	s	fr	
24.38	25.91	1.53	1.48	97	0.95	62	s	fr	
25.91	27.43	1.52	1.27	84	0.29	19	s	fr	
27.43	28.96	1.53	1.34	88	0.53	35	ms	fr	
28.96	30.48	1.52	1.28	84	0.37	24	ms	fr	
30.48	31.70	1.22	1.00	82	0.54	44	s	fr	
31.70	32.92	1.22	1.11	91	0.63	52	ms	fr	
32.92	33.53	0.61	0.55	90	0.10	16	ms	fr	
33.53	35.05	1.52	1.45	95	0.73	48	ms	fr	
35.05	36.58	1.53	1.14	75	0.53	35	ms	fr	
36.58	38.10	1.52	1.30	86	0.67	44	vs	fr	
38.10	39.62	1.52	1.00	66	0.69	45	s	fr	
39.62	41.15	1.53	1.03	67	0.35	23	ms	fr	
41.15	42.67	1.52	1.19	78	0.44	29	s	fr	
42.67	44.20	1.53	1.22	80	0.10	7	vs	fr	
44.20	45.72	1.52	1.12	74	0.40	26	ms	fr	
45.72	47.24	1.52	1.15	76	0.25	16	s	fr	
47.24	48.77	1.53	1.30	85	0.39	25	s	fr	
48.77	50.29	1.52	1.25	82	0.14	9	es	fr	
50.29	51.82	1.53	1.11	73	0.25	16	s	fr	
51.82	53.34	1.52	1.44	95	0.50	33	s	fr	
53.34	54.86	1.52	1.27	84	0.52	34	s	fr	
54.86	56.39	1.53	1.35	88	0.44	29	ms	fr	
56.39	57.91	1.52	1.28	84	0.43	28	ms	fr	
57.91	59.44	1.53	1.45	95	0.13	8	w	fr	
59.44	60.96	1.52	1.40	92	1.17	77	ms	fr	
60.96	62.48	1.52	1.19	78	0.57	38	w	fr	
62.48	64.01	1.53	1.19	78	0.61	40	w	fr	
64.01	65.53	1.52	0.94	62	0.10	7	ms	fr	
65.53	67.06	1.53	1.40	92	0.00	0	w	fr	
67.06	68.58	1.52	1.30	86	0.91	60	ms	fr	
68.58	70.10	1.52	1.14	75	0.28	18	ms	fr	
70.10	71.63	1.53	1.34	88	0.63	41	s	fr	
71.63	73.15	1.52	1.39	91	1.23	81	s	fr	
73.15	74.68	1.53	1.41	92	0.97	63	ms	fr	
74.68	76.20	1.52	1.29	85	0.79	52	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.40	92	1.13	74	ms	fr	
77.72	79.25	1.53	1.32	86	0.82	54	s	fr	
79.25	80.77	1.52	1.31	86	0.59	39	vs	fr	
80.77	82.30	1.53	1.25	82	0.50	33	s	fr	
82.30	83.82	1.52	1.28	84	0.65	43	s	fr	
83.82	85.34	1.52	1.36	89	0.99	65	vs	fr	
85.34	86.87	1.53	1.21	79	0.56	37	s	fr	
86.87	88.39	1.52	1.33	88	0.81	53	vs	fr	
88.39	89.92	1.53	1.29	84	0.87	57	ms	fr	
89.92	91.44	1.52	1.09	72	0.71	47	ms	fr	
91.44	92.96	1.52	1.26	83	0.59	39	vs	fr	
92.96	94.49	1.53	1.40	92	1.02	67	vs	fr	
94.49	96.01	1.52	1.37	90	1.01	66	vs	fr	
96.01	97.54	1.53	1.36	89	1.01	66	es	fr	
97.54	100.58	3.04	2.79	92	2.39	79	vs	fr	
100.58	102.11	1.53	1.21	79	0.30	20	s	fr	
102.11	103.63	1.52	1.24	82	0.91	60	vs	fr	
103.63	105.16	1.53	1.22	80	0.72	47	s	fr	
105.16	106.68	1.52	1.26	83	1.11	73	vs	fr	
106.68	108.20	1.52	1.20	79	0.59	39	s	fr	
108.20	109.73	1.53	1.40	92	0.46	30	s	fr	
109.73	111.25	1.52	1.29	85	0.45	30	s	fr	
111.25	112.78	1.53	0.96	63	0.00	0	ms	fr	
112.78	114.30	1.52	1.26	83	0.75	49	ms	fr	
114.30	115.82	1.52	1.38	91	1.09	72	ms	fr	
115.82	117.35	1.53	1.23	80	0.52	34	ms	fr	
117.35	118.87	1.52	1.26	83	0.58	38	s	fr	
118.87	120.40	1.53	1.40	92	0.70	46	vs	fr	
120.40	121.92	1.52	1.31	86	0.41	27	ms	fr	
121.92	123.44	1.52	1.18	78	0.44	29	ms	fr	
123.44	124.97	1.53	1.15	75	0.43	28	ms	fr	
124.97	126.49	1.52	1.25	82	0.15	10	ms	fr	
126.49	128.02	1.53	1.12	73	0.31	20	w	fr	
128.02	129.54	1.52	1.11	73	0.00	0	w	fr	
129.54	131.06	1.52	1.23	81	0.82	54	w	fr	
131.06	132.59	1.53	1.11	73	1.03	67	w	fr	
132.59	134.11	1.52	0.91	60	0.00	0	ms	fr	
134.11	135.64	1.53	1.00	65	0.00	0	s	fr	
135.64	137.16	1.52	1.01	66	0.13	9	ms	fr	
137.16	138.68	1.52	0.80	53	0.00	0	w	fr	
138.68	140.21	1.53	0.95	62	0.12	8	ms	fr	
140.21	141.73	1.52	1.38	91	0.74	49	ms	fr	
141.73	143.26	1.53	1.15	75	0.29	19	ms	fr	
143.26	144.78	1.52	0.91	60	0.10	7	ms	fr	
144.78	146.30	1.52	1.10	72	0.00	0	ms	fr	
146.30	147.83	1.53	1.13	74	0.00	0	ms	fr	
147.83	149.35	1.52	0.98	64	0.00	0	vw	fr	
149.35	150.88	1.53	1.17	76	0.28	18	ms	fr	
150.88	152.40	1.52	1.28	84	0.49	32	ms	fr	
152.40	153.92	1.52	1.23	81	0.43	28	ms	fr	
153.92	155.45	1.53	1.04	68	0.11	7	w	fr	
155.45	156.97	1.52	1.33	87	0.28	18	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
156.97	158.50	1.53	1.01	66	0.24	16	w	fr	
158.50	161.54	3.04	2.32	76	0.47	15	w	fr	
161.54	163.07	1.53	0.96	63	0.24	16	ms	fr	
163.07	164.59	1.52	1.01	66	0.00	0	w	fr	
164.59	166.12	1.53	0.90	59	0.10	7	s	fr	
166.12	167.64	1.52	0.56	37	0.00	0	w	fr	
167.64	169.16	1.52	0.10	7	0.00	0	ew	fr	
169.16	170.69	1.53	1.04	68	0.57	37	s	fr	
170.69	172.21	1.52	1.11	73	0.30	20	s	fr	
172.21	173.74	1.53	1.24	81	0.51	33	ms	fr	
173.74	175.26	1.52	1.10	72	0.00	0	vw	fr	
175.26	176.78	1.52	0.99	65	0.10	7	w	fr	
176.78	178.31	1.53	1.06	69	0.00	0	w	fr	
178.31	179.83	1.52	0.95	62	0.12	8	ms	fr	
179.83	181.36	1.53	0.97	63	0.00	0	vw	fr	
181.36	182.88	1.52	0.58	38	0.00	0	ew	fr	
182.88	184.40	1.52	1.05	69	0.22	14	s	fr	
184.40	185.93	1.53	1.30	85	0.25	16	ms	fr	
185.93	187.45	1.52	1.32	87	0.28	18	s	fr	
187.45	188.98	1.53	1.24	81	0.21	14	s	fr	
188.98	190.50	1.52	1.48	97	0.35	23	ms	fr	
190.50	192.02	1.52	1.19	78	0.11	7	ms	fr	
192.02	193.55	1.53	1.39	91	0.00	0	w	fr	
193.55	195.07	1.52	1.49	98	0.00	0	ms	fr	
195.07	196.60	1.53	1.25	82	0.12	8	w	fr	
196.60	198.12	1.52	1.29	85	0.00	0	ms	fr	
198.12	199.64	1.52	1.21	80	0.10	7	vs	fr	
199.64	201.17	1.53	1.09	71	0.21	14	es	fr	
201.17	202.69	1.52	1.09	72	0.15	10	vs	fr	
202.69	204.22	1.53	0.91	59	0.29	19	w	fr	
204.22	205.74	1.52	1.12	74	0.69	45	ms	fr	
205.74	207.26	1.52	1.34	88	0.60	39	s	fr	
207.26	208.79	1.53	1.39	91	0.59	39	ms	fr	
208.79	210.31	1.52	0.95	62	0.31	20	vs	fr	
210.31	211.84	1.53	1.06	69	0.10	7	s	fr	
211.84	213.36	1.52	1.11	73	0.49	32	ms	fr	
213.36	214.88	1.52	1.21	80	0.10	7	ms	fr	
214.88	216.41	1.53	0.91	59	0.00	0	ms	fr	
216.41	217.93	1.52	1.11	73	0.22	14	ms	fr	
EOH									

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-13

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			0.01	
3.00			0.01	
4.00			0.01	
5.00			0.01	
6.00			0.01	
7.00			0.01	
8.00			0.01	
9.00			0.01	
10.00			0.01	
11.00			0.01	
12.00			0.01	
13.00			0.03	
14.00			0.01	
15.00			0.01	
16.00			0.01	
17.00			0.01	
18.00			0.01	
19.00			0.01	
20.00			0.01	
21.00			0.01	
22.00			0.01	
23.00			0.01	
24.00			0.01	
25.00			0.01	
26.00			0.01	
27.00			0.00	
28.00			0.03	
29.00			0.01	
30.00			0.01	
31.00			0.01	
32.00			0.01	
33.00			0.03	
34.00			0.01	
35.00			0.05	
36.00			0.03	
37.00			0.01	
38.00			0.01	
39.00			0.01	
40.00			0.01	
41.00			0.06	
42.00			0.18	
43.00			0.06	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.01	
46.00			0.00	
47.00			0.00	
48.00			0.00	
49.00			0.01	
50.00			0.01	
51.00			0.01	
52.00			0.00	
53.00			0.03	
54.00			0.03	
55.00			0.03	
56.00			0.01	
57.00			0.03	
58.00			0.00	
59.00			0.01	
60.00			0.03	
61.00			0.01	
62.00			0.01	
63.00			0.01	
64.00			0.03	
65.00			0.06	
66.00			0.06	
67.00			0.01	
68.00			0.01	
69.00			0.03	
70.00			0.01	
71.00			0.01	
72.00			0.03	
73.00			0.01	
74.00			0.00	
75.00			0.01	
76.00			0.01	
77.00			0.03	
78.00			0.01	
79.00			0.00	
80.00			0.00	
81.00			0.00	
82.00			0.01	
83.00			0.00	
84.00			0.01	
85.00			0.01	
86.00			0.01	
87.00			0.01	
88.00			0.03	
89.00			0.05	
90.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.01	
94.00			0.01	
95.00			0.05	
96.00			0.05	
97.00			0.03	
98.00			0.01	
99.00			0.00	
100.00			0.08	
101.00			0.00	
102.00			0.01	
103.00			0.01	
104.00			0.01	
105.00			0.05	
106.00			0.03	
107.00			0.01	
108.00			0.01	
109.00			0.01	
110.00			0.01	
111.00			0.03	
112.00			0.01	
113.00			0.03	
114.00			0.00	
115.00			0.01	
116.00			0.01	
117.00			0.00	
118.00			0.01	
119.00			0.03	
120.00			0.01	
121.00			0.01	
122.00			0.01	
123.00			0.03	
124.00			0.01	
125.00			0.01	
126.00			0.01	
127.00			0.00	
128.00			0.01	
129.00			0.01	
130.00			0.01	
131.00			0.00	
132.00			0.01	
133.00			0.01	
134.00			0.01	
135.00			n/a	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.00	
138.00			0.01	
139.00			0.01	
140.00			0.00	
141.00			0.00	
142.00			0.00	
143.00			0.01	
144.00			0.03	
145.00			0.04	
146.00			0.00	
147.00			0.06	
148.00			0.01	
149.00			0.00	
150.00			0.00	
151.00			0.01	
152.00			0.01	
153.00			0.01	
154.00			0.01	
155.00			0.00	
156.00			0.00	
157.00			0.00	
158.00			0.00	
159.00			0.00	
160.00			0.01	
161.00			0.00	
162.00			0.00	
163.00			0.00	
164.00			0.00	
165.00			0.05	
166.00			0.00	
167.00			0.01	
168.00			n/a	
169.00			0.00	
170.00			0.10	
171.00			0.15	
172.00			0.08	
173.00			0.01	
174.00			0.06	
175.00			0.06	
176.00			0.03	
177.00			0.03	
178.00			0.05	
179.00			0.05	
180.00			0.03	
181.00			0.08	
182.00			n/a	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.00	
184.00			0.00	
185.00			0.00	
186.00			0.01	
187.00			0.00	
188.00			0.00	
189.00			0.01	
190.00			0.00	
191.00			0.00	
192.00			0.00	
193.00			0.01	
194.00			0.00	
195.00			0.01	
196.00			0.00	
197.00			0.00	
198.00			0.00	
199.00			0.00	
200.00			0.01	
201.00			0.00	
202.00			0.00	
203.00			0.01	
204.00			0.00	
205.00			0.01	
206.00			0.00	
207.00			0.00	
208.00			0.01	
209.00			0.01	
210.00			0.00	
211.00			0.01	
212.00			0.01	
213.00			0.00	
214.00			0.06	
215.00			0.01	
216.00			0.00	
217.00			0.05	
			EOH	

BOX LOG

HOLE: OC-11-13

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	4.81	35	129.05	132.59
2	4.81	8.10	36	132.59	135.83
3	8.10	12.10	37	135.83	139.71
4	12.10	15.60	38	139.71	143.26
5	15.60	19.45	39	143.26	146.69
6	19.45	23.22	40	146.69	150.15
7	23.22	27.11	41	150.15	153.55
8	27.11	30.48	42	153.55	157.15
9	30.48	34.43	43	157.15	160.48
10	34.43	38.19	44	160.48	164.59
11	38.19	42.25	45	164.59	170.47
12	42.25	46.08	46	170.47	173.94
13	46.08	50.05	47	173.94	177.46
14	50.05	53.79	48	177.46	181.11
15	53.79	57.74	49	181.11	185.51
16	57.74	60.96	50	185.51	188.74
17	60.96	64.83	51	188.74	192.22
18	64.83	68.42	52	192.22	195.85
19	68.42	71.97	53	195.85	199.20
20	71.97	76.07	54	199.20	202.62
21	76.07	79.80	55	202.62	205.74
22	79.80	83.65	56	205.74	209.31
23	83.65	87.65	57	209.31	213.00
24	87.65	91.74	58	213.00	216.41
25	91.74	95.63	59	216.41	217.93
26	95.63	99.69		EOH	
27	99.69	103.35			
28	103.35	107.00			
29	107.00	110.65			
30	110.65	114.30			
31	114.30	118.31			
32	118.31	122.02			
33	122.02	125.75			
34	125.75	129.05			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+125E	09+915N	517084	7127418	753	121.31

ZONE: Ocelot

SECTION: 10+125E

HOLE: OC-11-14

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 6.10 (m) out

Drilling dates: May 30 to 31, 2011

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass	90.83	199.5	-49.3	Ranger
45.11	195.7	-48.7	Ranger	106.07	199.5	-49.1	Ranger
60.35	196.7	-49.1	Ranger	121.31	200.6	-48.9	Ranger
75.59	196.6	-49.1	Ranger				

TARGET: Updip extension of mineralization, near surface

[illegible]

SAMPLES
Numbers: G075268 to G075313
Total: 46
Batch: 7, 8
Certificate: WH11100829, WH11103177

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-14

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS								Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type	Intensity			
0.00	6.10	6.10				OVB																					Overburden and casing, no recovery	
																											Light grey to metallic yellow, FG to CG, intensely DOL altered, variably BX LST with semi-massive to massive sulphide MX. Rusty orange fractures persist throughout, at times weathering as orange-brown, spongy coatings (limonite?) Weak sBX textures are seen in unreplaced DOL LST. MX is patchy, loosely parallel elongate masses of replacements in altered LST to bands up to 1.0 wide of massive, MG, dull grey-yellow Py with small, <5 mm blebs of galena and masses of CG, creamy yellow dolomite. Open space hosts prismatic white Qz and MG black sphalerite. Some fractures feature striated, dodecahedral Py with rainbow-peacock tarnish in massive Py MX. Recovery is highly variable, as low as 0%. Bedding fabrics are absent.	
6.10	18.80	12.70				DOL	LST	MX											s			Gn	t	Sp	t	x	Banded fabric in semi-massive MX, 40°-50° TCA	
									BN	45																		
																											Medium to light grey, variably MBL altered, variably BX, intensely DOL altered LST. Core is competent to rubbly, at times with soft green-white and grey clay lining. Relict bedding can be sen in marble altered core as undulate, narrow, dark grey, <9 mm beds commonly oriented. White, MG, sBX-like textures are also seen breaking up some narrow dark grey interbeds. cBX is variable in strength, near tBX-like where strongest. Trace graphite seen on fractures along cBX structures. cBX generally increases with depth, overprinting white, sBX textures. ICN is defined by an abrupt contact with CG white dolomite with pyrite. Trace Py is present as blebs and irregular stringers with clay alteration and as iridescent tarnished, FG coatings on fracture faces 20 cm above the ICN.	
18.80	46.05	27.25				DOL	LST	BX					i				MBL	s	t									
																	CLY	f										

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			33.35	37.58	4.23	DOL	LST	BX	CN	35			i					CLY	m	t							Medium to dark grey, MG to FG, intensely BX, moderately clay altered, marbled DOL LST. Core is cBX to tBX, matrix supported angular clasts. Clay alteration is present above and below tBX textures (gouge?). Trace blebby, dull pyrite is seen with clay alteration and strong BX textures. uCN is defined by black and grey, soft, clay altered band at 33.35 m oriented 35° TCA. ICN is defined by hiatus of strong breccia textures above unduate interbeds at 37.58 m.	
																		MBL	s									
46.05	80.08	34.03				MX			CN	60										60			Sp	20	Gn	f	x	Dull yellow-grey to brown, MG to CG, massive to semi-massive MX dominated by dull yellow-grey, MG pyrite with brown sphalerite and masses of silver-blue galena. Trace peacock tarnishing is seen on some striated, dodecahedral, coarse pyrite and on fracture faces. Galena and peacock tarnish present in upper zone, core becomes primarily pywith irregular bodies of brown sphalerite. uCN is defined by a band of CG dolomite with disseminated galena and MG grains and bands of pyrite, these pyrite bands exhibit a preferential orientation. Prismatic white Qz is seen intermittently, partially filling open vugs with black, CG to MG sphalerite. ICN is defined by a margin between MG pyrite and grey clay at 80.08 m, oriented 60° TCA.
									BN	40																		A weakly common banded fabric in MX, 30° to 50° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other		
																	Type	Intensity				Type	Intensity			Type	Intensity	
			46.05	49.53	3.48	MX	DOL						i													x	Yellowto grey, FG to CG, DOL LST and massive to semi-massive MX. MX margins are chewed, replacement in texture with irregular wispy contacts. LST is dark greym FG and has irregular white fracture fills. MX is dominantly pyrite with rainbow-peacock tarnish on some fractures and dodecahedral pyrite crystals in open cavities. CG white-creamy dolomite and pyrite exhibit a weakly banded fabric, pyrite and dolomite bands share a loosely common orientation. Py bands are up to 60 cm wide, white dolomite up to 50 cm. Galena is present as masses on margins of pyrite bodies and is up to 3 cm long, and as trace MG disseminations in white dolomite bands. Trace peacock-blue MG crystals are seen on margins of Gn masses and trace disseminations in white dolomite. 47.62 to 69.53 unmineralized DOL LST. ICN is defined by an irregular margin between MX and unmineralized LST at 49.53 m.	
									BN	40																		Banded fabric in dolomite and pyrite, 30°-50° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			49.53	54.39	4.86	MX			CN	40									60			Sp	20	Gn	t	x	Metallic yellow to grey, FG to CG, massive to semi-massive MX dominated by dull, FG, grey-yellow pyrite with brown sphalerite, silver-blue galena, white quartz and intermittent peacock tarnishing. Pyrite is semi-massive with other sulphides gradationally becoming massive over 90 cm. White-creamy dolomite is seen with white, prismatic Qz in vugs and as irregular bands and masses. Py is typically dull yellow-grey, FG to MG, with a 2nd phase of pyrite appearing much coarser, bright yellow with striated dodecahedral crystals lining cavity walls and as irregular veinlets. Some of the 2nd phase pyrite features a rainbow of tarnish, some crystals appear as brilliant blue-violet (bornite?). This peacock tarnishing is local to 2nd phase Py within the zone of galena MX. Galena is present as masses up to 8 cm in size made up of CG, irregular crystals on the margins of pyrite bodies or brown sphalerite. Sphalerite is seen as brown,m MG crystals. Lusture and habit are seen when sphalerite is seen on the walls of vugs. ICN is defined by haitus of Gn and rainbow tarnish, terminated by a odd structure of different pyrite textures oriented 40° TCA. Core is blocky to sandy rubble.
			54.39	80.08	25.69	MX			CN	65									80			Sp	w	Gn	t	x	Dull yellow-grey, massive to semi-massive, FG to MG pyrite with weak sphalerite and trace galena. Sp and Gn are present as scattered masses of brown sphalerite with small, <1 cm blebs of galena. Core is typically homogenous in appearance, lacking obvious other sulphide MX other than pyrite. Semi-massive textures are intermittent, at times pyrite is seen preferentially replacing clasts in brecciate rock with fine, black, cBX like structures lacking pyrite mineralization. These textures are seen with depth. ICN is defined by contact between massive Py above soft, dary grey clay at 80.08 m, oriented 65° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other			
																	Type	Intensity				Type	Intensity			Type	Intensity		
80.08	95.22	15.14				DOL	LST	BX					i					CLY	s	t							x	Dark to medium grey, FG, intensely BX, strongly CLY altered, intensely DOL altered LST. Core is typically shattered in appearance with intense cBX to mBX textures. Breccia clasts typically are <1 cm in size within a black, FG matrix. Fracture faces are variably graphitic. uCN and ICN are defined by strongly clay altered, soft grey gouge (?) up to 70 cm above ICN. ICN is defined by an irregular contact 15°-30° TCA, with tBX textures in LST with a black matrix above soft, non-dolomitic, clay altered VOL at 95.22 m. Trace Py is present as FG disseminations scattered within the cBX matrix. Trace brown, FG, subhedral sphalerite (?) is present with other vFG metallic sulphides in white, dolomitic veins preferential to clay altered fractures.	
									VT	45																			White, MG, dolomitic veinlets preferential to clay altered fracture zones, <1 mm to 2 mm wide, sinuous, oriented 45° TCA and hosting trace FG brown and vFG metallic sulphide grains.
95.22	109.30	14.08				VOL	BLE											BLE	s	t							x	Light grey-green, FG to MG, strongly deformed, stongly clay altered, bleached VOL. Interbedded volcaniclastic appears light grey, bleached and hosts deformed interbeds, of dark grey, crystalline, SIL rock. Bedding/foliation is undulate throughout. Soft white, talcy fractures with highly variable orientations are seen throughout, but generally seen preferential to bedding planes. Core is highly deformed and broken, appearing rubbly to blocky. Trace Py is present as round blebs <1.1 cm in size to irregular stringers preferential to intermittent, sinuous, clay altered seams.	
																		CLY	s										
									BD	25																			Bedding is strongly deformed, undulate throughout, oriented 0° to 60° TCA, most commonly seen 25°-30° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
109.30	121.31	12.01				DO		BD					i					SIL	s								Dark to medium grey, FG to CG, variably deformed, strongly SIL altered, intensely DOL altered, interbedded MG sandstone and black, FG, dolomitic muds. Bedding is variably deformed throughout, shallow and undulose below uCN and becomes steeper with depth. Core is hard where medium grained,hand lens reveals grey and black, rounded Qz grains, variably matrix to clast supported within a white, dolomitic cement that fizzes when scratched. Core is blocky to rubbly throughout. Irregular white and grey veinlets and stringers are seen intermittent. Some talcy margins are seen along bedding planes between FG muds and sandy interbeds. White, cBX like fracturing is seen preferential to muddy interbeds.
											BD	60															Irregular, very shallow bedding up hole steepens with depth appearing as primary structres and undeformed and 60 degrees TCA at 120.80 m
EOH																											EOH, past MX and through VOL unit.

SAMPLE LOG

HOLE: OC-11-14

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
10.06	11.58	1.52	0.15	10	G075268	7	72.60	18500	59700	
-	-	-	-	-	G075269	7	59.40	16100	72100	Standard OC-3
13.11	14.63	1.52	0.31	20	G075270	7	22.30	7640	77400	
14.63	16.15	1.52	1.01	66	G075271	7	117.00	61900	14550	
16.15	17.68	1.53	1.21	79	G075272	7	0.71	54	2100	
16.15	17.68	1.53	1.21	79	G075273	7	0.80	59	1820	Duplicate
17.68	18.80	1.12	0.66	59	G075274	7	29.20	22300	5280	
18.80	20.73	1.93	1.47	76	G075275	7	0.14	49	2370	
20.73	23.77	3.04	2.68	88	G075276	7	0.21	82	849	
23.77	26.82	3.05	2.45	80	G075277	7	0.15	13	361	
40.00	43.00	3.00	2.80	93	G075278	7	0.05	11	881	
43.00	46.05	3.05	2.67	88	G075279	7	0.11	19	635	
46.05	47.62	1.57	1.35	86	G075280	7	91.70	29700	1230	
47.62	49.53	1.91	1.54	81	G075281	7	3.00	938	284	
49.53	51.21	1.68	1.49	89	G075282	7	11.10	2530	4460	
51.21	52.73	1.52	1.09	72	G075283	7	33.30	7700	85900	
-	-	-	-	-	G075284	7	0.04	14	77	Blank HQ
52.73	54.39	1.66	1.11	67	G075285	7	406.00	150000	105500	
54.39	55.78	1.39	1.06	76	G075286	7	24.40	5600	38400	
55.78	58.83	3.05	1.97	65	G075287	7	43.50	14450	151000	
58.83	61.87	3.04	1.72	57	G075288	7	6.10	446	24000	
61.87	64.92	3.05	1.90	62	G075289	7	9.09	1935	23500	
64.92	67.97	3.05	2.28	75	G075290	7	19.30	2630	134500	
67.97	71.02	3.05	2.23	73	G075291	7	22.10	3200	123000	
71.02	74.07	3.05	2.41	79	G075292	7	74.10	19100	142000	
-	-	-	-	-	G075293	7	0.12	18	330	Blank HQ
-	-	-	-	-	G075294	7	343.00	8590	13450	Standard OC-3
74.07	77.11	3.04	2.27	75	G075295	7	26.50	2610	158500	
77.11	80.08	2.97	1.92	65	G075296	7	32.20	8530	53000	
80.08	81.69	1.61	1.04	65	G075297	7	10.55	1965	34900	
81.69	84.73	3.04	2.18	72	G075298	7	0.95	44	3080	
84.73	87.78	3.05	2.19	72	G075299	7	1.99	789	1520	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
87.78	90.83	3.05	2.31	76	G075300	7	0.10	12	757	
90.83	92.35	1.52	1.22	80	G075301	7	0.09	13	1180	
92.35	95.22	2.87	2.33	81	G075302	7	0.08	16	334	
95.22	96.92	1.70	1.48	87	G075303	7	0.14	32	156	
96.92	98.45	1.53	1.16	76	G075304	8	0.05	20	68	
98.45	101.50	3.05	2.17	71	G075305	8	0.03	10	28	
101.50	104.55	3.05	2.38	78	G075306	8	0.84	122	119	
104.55	107.59	3.04	2.60	86	G075307	8	0.09	19	116	
107.59	109.3	1.71	1.35	79	G075308	8	0.08	22	143	
109.30	111.25	1.95	1.86	95	G075309	8	0.04	14	44	
111.25	113.69	2.44	1.27	52	G075310	8	0.04	7	28	
113.69	116.74	3.05	2.26	74	G075311	8	0.04	7	44	
116.74	119.79	3.05	2.25	74	G075312	8	0.07	6	26	
119.79	121.31	1.52	1.27	84	G075313	8	0.02	3	19	

GEOTECHNICAL LOG

HOLE: OC-11-14

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
6.10	7.01	0.91	0.45	49	0.00	0	es	sw	
7.01	10.06	3.05	0.00	0	0.00	0	N/A	n/a	
10.06	11.58	1.52	0.15	10	0.00	0	vw	hw	
11.58	14.63	3.05	0.25	8	0.00	0	ms	sw	
14.63	16.15	1.52	0.83	55	0.00	0	s	mw	
16.15	17.68	1.53	0.89	58	0.21	14	vs	sw	
17.68	19.20	1.52	0.69	45	0.00	0	ms	sw	
19.20	20.73	1.53	1.06	69	0.10	7	s	sw	
20.73	22.25	1.52	1.02	67	0.18	12	ms	sw	
22.25	23.77	1.52	1.36	89	0.74	49	s	sw	
23.77	25.30	1.53	1.02	67	0.42	27	ms	fr	
25.30	26.82	1.52	1.33	88	0.00	0	ms	fr	
26.82	28.35	1.53	1.28	84	0.19	12	vs	fr	
28.35	29.87	1.52	1.37	90	0.22	14	ms	fr	
29.87	31.39	1.52	1.38	91	0.87	57	vs	fr	
31.39	32.92	1.53	1.38	90	0.59	39	s	fr	
32.92	34.44	1.52	1.47	97	1.17	77	s	fr	
34.44	35.97	1.53	1.21	79	0.37	24	s	fr	
35.97	37.49	1.52	1.34	88	0.89	59	s	fr	
37.49	39.01	1.52	1.51	99	1.12	74	ms	fr	
39.01	40.54	1.53	1.43	93	1.35	88	s	fr	
40.54	42.06	1.52	1.39	91	1.01	66	ms	fr	
42.06	43.59	1.53	1.46	95	1.15	75	s	fr	
43.59	45.11	1.52	1.48	97	1.17	77	s	fr	
45.11	46.63	1.52	1.05	69	0.69	45	s	fr	
46.63	48.16	1.53	1.24	81	0.20	13	s	fr	
48.16	49.68	1.52	1.29	85	0.84	55	s	fr	
49.68	51.21	1.53	1.26	82	0.69	45	s	fr	
51.21	52.73	1.52	0.95	63	0.00	0	w	fr	
52.73	54.25	1.52	0.98	64	0.00	0	ms	fr	
54.25	55.78	1.53	1.19	78	0.40	26	w	fr	
55.78	57.30	1.52	1.09	72	0.10	7	ms	fr	
57.30	58.83	1.53	1.00	65	0.14	9	vw	fr	
58.83	60.35	1.52	1.03	68	0.00	0	vw	fr	
60.35	61.87	1.52	1.02	67	0.00	0	vw	fr	
61.87	63.40	1.53	1.01	66	0.00	0	w	fr	
63.40	64.92	1.52	1.06	70	0.11	7	vw	fr	
64.92	66.45	1.53	1.08	71	0.17	11	vw	fr	
66.45	67.97	1.52	1.14	75	0.00	0	ms	fr	
67.97	69.49	1.52	1.14	75	0.26	17	s	fr	
69.49	71.02	1.53	1.26	82	0.51	33	vs	fr	
71.02	72.54	1.52	1.17	77	0.00	0	w	fr	
72.54	74.07	1.53	1.20	78	0.00	0	vw	fr	
74.07	75.59	1.52	1.09	72	0.11	7	vw	fr	
75.59	77.11	1.52	0.95	63	0.00	0	vw	fr	
77.11	78.64	1.53	0.64	42	0.00	0	w	fr	
78.64	80.16	1.52	0.96	63	0.00	0	vw	fr	
80.16	81.69	1.53	0.72	47	0.25	16	ms	fr	
81.69	83.21	1.52	0.99	65	0.43	28	w	fr	
83.21	84.73	1.52	1.01	66	0.00	0	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
84.73	86.26	1.53	1.04	68	0.42	27	ms	fr	
86.26	87.78	1.52	0.95	63	0.00	0	ms	fr	
87.78	89.31	1.53	1.21	79	0.89	58	ms	fr	
89.31	90.83	1.52	1.10	72	0.49	32	ms	fr	
90.83	92.35	1.52	1.11	73	0.52	34	ms	fr	
92.35	93.88	1.53	1.10	72	0.69	45	ew	fr	
93.88	95.40	1.52	1.31	86	1.19	78	vw	fr	
95.40	96.92	1.52	1.15	76	0.39	26	w	fr	
96.92	98.45	1.53	1.02	67	0.12	8	ms	fr	
98.45	99.97	1.52	0.79	52	0.00	0	w	fr	
99.97	101.50	1.53	1.05	69	0.13	8	ms	fr	
101.50	103.02	1.52	1.17	77	0.23	15	ms	fr	
103.02	104.55	1.53	1.06	69	0.46	30	ms	fr	
104.55	106.07	1.52	1.22	80	0.00	0	ms	fr	
106.07	107.59	1.52	1.09	72	0.15	10	ms	fr	
107.59	109.11	1.52	1.04	68	0.13	9	s	fr	
109.11	110.64	1.53	1.09	71	0.23	15	s	fr	
110.64	111.25	0.61	0.55	90	0.12	20	ms	fr	
111.25	112.78	1.53	0.46	30	0.00	0	s	fr	
112.78	113.69	0.91	0.44	48	0.00	0	ms	fr	
113.69	115.21	1.52	1.15	76	0.00	0	ms	fr	
115.21	116.74	1.53	0.92	60	0.00	0	ms	fr	
116.74	118.26	1.52	1.27	84	0.41	27	vs	fr	
118.26	119.79	1.53	0.84	55	0.00	0	ms	fr	
119.79	121.31	1.52	1.09	72	0.33	22	es	fr	
	EOH								

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-14

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00			n/a	
4.00			n/a	
5.00			n/a	
6.00			0.68	
7.00			0.03	
8.00			n/a	
9.00			n/a	
10.00			n/a	
11.00			0.03	
12.00			n/a	
13.00			n/a	
14.00			0.13	
15.00			0.01	
16.00			0.00	
17.00			0.01	
18.00			0.11	
19.00			0.03	
20.00			0.13	
21.00			0.01	
22.00			0.05	
23.00			0.00	
24.00			0.01	
25.00			0.03	
26.00			0.01	
27.00			0.00	
28.00			0.00	
29.00			0.00	
30.00			0.08	
31.00			0.05	
32.00			0.01	
33.00			0.01	
34.00			0.01	
35.00			0.05	
36.00			0.01	
37.00			0.03	
38.00			0.03	
39.00			0.03	
40.00			0.03	
41.00			0.03	
42.00			0.01	
43.00			0.03	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.01	
46.00			0.05	
47.00			0.06	
48.00			0.00	
49.00			0.03	
50.00			0.08	
51.00			0.08	
52.00			0.15	
53.00			0.10	
54.00			0.03	
55.00			0.06	
56.00			0.03	
57.00			0.06	
58.00			0.03	
59.00			0.03	
60.00			0.10	
61.00			0.08	
62.00			0.05	
63.00			0.08	
64.00			0.10	
65.00			0.01	
66.00			0.06	
67.00			0.01	
68.00			0.03	
69.00			0.03	
70.00			0.06	
71.00			0.03	
72.00			0.25	
73.00			0.00	
74.00			0.00	
75.00			0.05	
76.00			0.06	
77.00			0.05	
78.00			0.05	
79.00			0.07	
80.00			0.06	
81.00			0.01	
82.00			0.08	
83.00			0.01	
84.00			0.01	
85.00			0.05	
86.00			0.01	
87.00			0.03	
88.00			0.03	
89.00			0.01	
90.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.13	
94.00			0.06	
95.00			0.25	
96.00			0.08	
97.00			0.03	
98.00			0.03	
99.00			0.00	
100.00			0.00	
101.00			0.01	
102.00			0.01	
103.00			0.06	
104.00			0.08	
105.00			0.05	
106.00			0.05	
107.00			0.05	
108.00			0.08	
109.00			0.00	
110.00			0.01	
111.00			0.01	
112.00			0.03	
113.00			0.05	
114.00			0.00	
115.00			0.01	
116.00			0.01	
117.00			0.01	
118.00			0.01	
119.00			0.03	
120.00			0.03	
121.00			0.00	

BOX LOG

HOLE: OC-11-14

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	6.10	16.70			
2	16.70	20.73			
3	20.73	24.00			
4	24.00	27.29			
5	27.29	31.50			
6	31.50	34.59			
7	34.59	38.50			
8	38.50	42.48			
9	42.48	46.63			
10	46.63	50.55			
11	50.55	54.19			
12	54.19	57.54			
13	57.54	61.53			
14	61.53	65.45			
15	65.45	69.18			
16	69.18	72.54			
17	72.54	76.36			
18	76.36	80.79			
19	80.79	84.71			
20	84.71	88.19			
21	88.19	92.16			
22	92.16	95.90			
23	95.90	99.00			
24	99.00	103.74			
25	103.74	106.48			
26	106.48	109.96			
27	109.96	113.69			
28	113.69	117.20			
29	117.20	121.31			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+200E	10+050N	517204	7127530	746	201.17

ZONE: Ocelot

SECTION: 10+200E

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass				
185.93	199.6	-44.5	Ranger				
201.17	200.5	-43.9	Ranger				

TARGET: Northeast strike extension of mineralized structure

[illegible]

HOLE: OC-11-15

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 10.67 (m) out

Drilling dates: June 1 to 4, 2011

Geology logged by: Kurt Unger, Gavin Titley

SAMPLES
Numbers: G075314 to G075371
Total: 58
Batch: 8, 9
Certificate: WH11103177, WH11107515, WH11107515

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-15

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
0.00	9.70	9.70				OVB																				No recovery, casing drilled		
																										Medium to dark grey, MG-FG, moderately MBL altered, variably BX, intensely DOL ALT LST. Core is variably BX, tBX to cBX with minor bands of mBX, cBX at times seen overprinting some tBX fabrics. Weak Py MX present as scatters of MG-FG wispy stringers <1mm-2mm, to bands of up to 17cm of semi massive MX to preferential replacements in tBX. At times a preferential FR orientation is seen. Core FR's paralell to sub-paralell Bedding textures absent throughout. Moderate MBL ALT present as sugary MBL beds intermittant throughout.		
9.70	146.54	136.84				DOL	LST	BX					i							w						X		
									FR	40		8															Common FR in core, 35-45° TCA. Roughly 6-10/m	
																											Light to medium grey, intensely DOL ALT LST with variable BX. Fairly weathered rusty red-orange coatings on fracture faces. Weathering decreases with depth and is not present below 18.30.	
			9.70	18.30	8.60	DOL	LST	BX					i													X		
			18.30	22.46	4.16	DOL	LST	BX					i													X	General description applies	
																											Dull yellow grey, MG-FG massive Py VN with elongate Qz blebs sub-parallel to VN orientation, <1-2mm vugs present. 7-10% Qz. Vein oriented 55° TCA.	
									VN	55																		Dark to medium grey to dull metallic yellow intensely DOL ALT LST. MG-FG sBX-cBX textures dominate. Massive to wispy Py present, either in zones oriented 45-55° TCA, or preferentially altering cBX matrix. <1mm-1cm vugs present in MX. Trace Gn present, as well as strong Py. UCN defined by soft band of powdery gouge with Gn and Py bands at 40°. LCN described by Py BN intersection with DOL ALT LST at 65° TCA.
			22.46	25.77	3.31	DOL	LST	BX	CN				i													X	Milky white MG DOL veinlets 1-3mm in width cross-	
									VT	45	180																Dull yellow grey, MG-FG Py BN preferentially oriented 45-55° TCA. Bands are 5-7cm wide.	
									BN	50																	Dark to medium grey to dull metallic yellow intensely DOL ALT LST. Intermittantly MBL ALT. MG-FG tBX-cBX textures dominate. Some rubbly zones with graphitic lining on FR faces present.	
			25.77	57.66	31.89	DOL	LST	BX					i													X	Trace Py.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
									FR	40		8																Preferential fracturing oriented 35-45° TCA at density of 6-10/m.
									VN	70																		Dull yellow, MG-FG massive Py vein 5cm wide oriented 70° TCA elongate DOL blebs sub-parallel to orientation comprise 10-15%.
									BN																			Medium to light grey MG-FG MBL bands 10-25cm wide present intermittently.
																												Dark to light grey to dull yellow MG-FG DOL ALT LST. tBX textures give way to undifferentiated BX at 58.09. Graphitic coating present in Py wisps within BX. Some preferential Py replacement of smaller BX clasts. Moderate Py. Dark grey to dull yellow MG FG UCN of graphite coated massive Py oriented at 50° TCA.
			57.66	58.38	0.72	DOL	LST	BX	CN				i													X		General description applies
			58.38	74.29	15.91	DOL	LST	BX					i															
																												Dark to light grey FG-CG, intensely DOL ALT variable BX LST with bands of CLY ALT rock carrying FG Py. BX textures typically sBX with intervals of clastic tBX. White Dolomitic sBX matrix supports irregular grey clasts. Rhombohedral DOL crystals up to 2mm in size present within open vugs in sBX matrix. Py present in CLY ALT bands of tBX textures as irregular wisps of brown-yellow vFG crystals. Core competent to rubbly, fracturing readily through CLY ALT bands. LCN defined by grey-green band of CLY ALT rock oriented at 75° TCA. CLY bands up to 10cm wide with undulate fabric most commonly oriented 50-75° TCA. ~1/m. Weak vFG Py forms sinuous wisps in CLY bonds.
			74.29	81.11	6.82	DOL	LST	BX	CN	75			i					CLY	ms								X	
																												General description applies, but with a few scattered CLY ALT bands up to 8cm wide. Core blocky to rubbly, often breaking along irregular CLY lined fractures.
			81.11	117.70	36.59	DOL	LST	BX	CN				i															Light to dark grey, MG-FG, variably BX, intensely DOL ALT LST. Dominantly sBX with some cBX. Medium to dark grey, sub-rounded to angular <1mm 5cm clasts supported by white DOL matrix in sBX. Fair MBL ALT, some MBL textures seen throughout. Weak SIL ALT visible in Qz blebs intruding in BX. Core competent to rubbly, breaking along CLY zones.
			117.70	125.30	7.60	DOL	LST	BX					i					MBL	f									Preferential fracturing oriented 45-50° TCA at density of 3-10/m.
									FR	45		5						SIL	w									

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other		
																	Type	Intensity				Type	Intensity			Type	Intensity	
			125.30	146.54	21.24	DOL	LST	BX	CN	35			i					MBL	s								Dark to light grey, MG-FG, strongly MBL ALT, variably BX, intensely DOL ALT LST. Some MBL textures and banding visible. BX is mostly sBX occurring as grey sub-rounded to angular clasts 2mm-7cm in size supported by white DOL matrix. Moderate SIL ALT visible as harder, darker Qz replacement clasts. Lower contact defined by dark grey CLY gouge oriented at 35° TCA	
									FR	40		7						SIL	m								BX textures accompanied by preferentially oriented fractures at 35-45° TCA at a density of 5-10/m	
146.54	181.85	35.31				DOL	LST	BX	CN				i							m			Sp	t	Gn	t	X	Dark to light grey to dull yellow MG-FG rubbly to gritty, variably BX intensely DOL ALT LST fault. tBX and cBX to mB feature highly irregular clasts in each of makeup, size and angularity. BX is clast dominated, highly fractured with wispy Py stringers intermittent and often accompanied by Sp and Gn. Weak SIL ALT visible as dark grey Qz within MBL clasts. Core loosely cemented by CLY gouge in areas. LCN defined by end of dark grey FG clay matrix, has irregular orientation.
									BN																		Massive Py BN present in 6-50cm wide intervals. 4 total.	
			166.60	169.38	2.78	DOL	MX	BX					i						s			Sp	f	Gn	t	X	Light grey to dull yellow to dark grey variably BX DOL ALT LST with sub to semi-massive to wispy Py within BX fabric. Some Gn and Sp accompany Py wisps tBX features irregular clasts of 1mm-10cm in width coarse white DOL. Some dark, hard Qz present intermittantly. Strong Py, fair Sp, weak Gn. General definition applies, except generally lighter and less competent.	
			169.38	172.60	3.22	DOL	LST	BX					i														Dark grey to dull yellow MG-FG intensely DOL ALT LST. Py and SIL present within BD textures in rock. Core more competent than rest of interval. LCN obscured because it is at the end of a drill rod.	
			172.60	173.74	1.14	DOL	LST	BX	CN				i											Qz	w	X	Strong Py, weak Qz.	
									BD	60																	Py replacement MX present along BD planes oriented 55-65° TCA. SIL ALT present in sub-parallel orientation.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			173.74	181.85	8.11	DOL	LST	BX					i													Light to medium grey, intensely DOL ALT LSt with variable BX. tBX to cBX textures quite irregular in composition; white DOL clasts, moderate to sub-angular and 1mm-7cm large dominate. Spacing between clasts is tighter than usual for the interval. Core is more competent than average for the interval.	
181.85	201.17	19.32				DOL	LST	BX																		Light to dark grey, MG-FG, varialby BX, strongly MBL ALT intensely DOL ALT LST. Generally weak sBX localised to strong in up to 30cm zones. BX characterised by white sparry DOL clasts. EOH at 201.17; the targeted MX/fault zone has been passed.	
									BD	65																Thinly interbedded light to dark DOL sections localised throughout at 60-70° TCA. Individual beds 1-3mm thick.	
									BN	65																Light to dark grey MBL banding posessing less defined edges as the BD occurs paralell to BD orientation intermittantly.	

GEOTECHNICAL LOG

HOLE: OC-11-15

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
9.70	10.67	0.97	0.59	61	0.00	0	ms	sw	
10.67	12.19	1.52	1.18	78	0.00	0	vs	sw	
12.19	13.72	1.53	1.05	69	0.00	0	s	sw	
13.72	15.24	1.52	1.10	72	0.00	0	ms	sw	
15.24	16.76	1.52	1.18	78	0.00	0	vs	mw	
16.76	18.29	1.53	0.61	40	0.12	8	s	mw	
18.29	19.81	1.52	1.21	80	0.58	38	ms	sw	
19.81	21.34	1.53	1.22	80	0.75	49	s	fr	
21.34	22.86	1.52	1.39	91	0.29	19	ms	fr	
22.86	24.38	1.52	1.13	74	0.36	24	ms	fr	
24.38	25.91	1.53	1.32	86	0.75	49	ms	fr	
25.91	27.43	1.52	1.40	92	1.09	72	ms	fr	
27.43	28.96	1.53	1.43	93	0.98	64	ms	fr	
28.96	30.48	1.52	1.11	73	0.24	16	ms	fr	
30.48	32.00	1.52	1.39	91	0.87	57	s	fr	
32.00	33.53	1.53	1.18	77	0.23	15	ms	fr	
33.53	35.05	1.52	1.39	91	0.63	41	ms	fr	
35.05	36.58	1.53	1.10	72	0.22	14	s	fr	
36.58	38.10	1.52	1.42	93	0.57	37	ms	fr	
38.10	39.62	1.52	0.92	61	0.30	20	s	fr	
39.62	41.15	1.53	1.42	93	1.00	65	s	fr	
41.15	42.67	1.52	1.35	89	0.60	39	s	fr	
42.67	44.20	1.53	1.23	80	0.34	22	ms	fr	
44.20	45.72	1.52	1.10	72	0.44	29	s	fr	
45.72	47.24	1.52	1.24	82	0.32	21	ms	fr	
47.24	48.77	1.53	1.15	75	0.30	20	ms	fr	
48.77	50.29	1.52	1.18	78	0.24	16	ms	fr	
50.29	51.82	1.53	1.20	78	0.48	31	ms	fr	
51.82	53.34	1.52	1.21	80	0.67	44	ms	fr	
53.34	54.86	1.52	1.20	79	0.00	0	ms	fr	
54.86	56.39	1.53	1.28	84	0.26	17	w	fr	
56.39	57.91	1.52	1.22	80	0.42	28	ms	fr	
57.91	59.44	1.53	1.32	86	0.52	34	ms	fr	
59.44	60.96	1.52	0.95	62	0.11	7	s	fr	
60.96	62.48	1.52	0.83	55	0.12	8	ms	fr	
62.48	64.01	1.53	1.07	70	0.00	0	s	fr	
64.01	65.53	1.52	1.18	78	0.41	27	ms	fr	
65.53	67.06	1.53	0.75	49	0.00	0	vs	fr	
67.06	68.58	1.52	0.98	64	0.00	0	vs	fr	
68.58	70.10	1.52	1.01	66	0.24	16	ms	fr	
70.10	71.63	1.53	0.80	52	0.00	0	ms	fr	
71.63	73.15	1.52	1.14	75	0.13	9	s	fr	
73.15	74.68	1.53	0.91	59	0.00	0	vs	fr	
74.68	76.20	1.52	1.39	91	0.68	45	es	fr	
76.20	77.72	1.52	1.15	76	0.23	15	ms	fr	
77.72	79.25	1.53	1.04	68	0.41	27	ms	fr	
79.25	80.77	1.52	0.89	59	0.38	25	s	fr	
80.77	82.30	1.53	0.94	61	0.11	7	w	fr	
82.30	83.52	1.22	0.75	61	0.19	16	s	fr	
83.52	85.04	1.52	0.84	55	0.00	0	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
85.04	86.56	1.52	0.90	59	0.00	0	ms	fr	
86.56	87.17	0.61	0.10	16	0.00	0	ms	fr	
87.17	88.39	1.22	0.59	48	0.00	0	ms	fr	
88.39	89.92	1.53	1.41	92	0.85	56	ms	fr	
89.92	91.44	1.52	0.98	64	0.50	33	ms	fr	
91.44	92.96	1.52	1.12	74	0.00	0	ms	fr	
92.96	94.49	1.53	1.06	69	0.29	19	ms	fr	
94.49	96.01	1.52	1.05	69	0.25	16	w	fr	
96.01	97.54	1.53	0.79	52	0.12	8	s	fr	
97.54	99.06	1.52	0.99	65	0.00	0	ms	fr	
99.06	100.58	1.52	1.12	74	0.51	34	ms	fr	
100.58	102.11	1.53	1.19	78	0.59	39	ms	fr	
102.11	103.63	1.52	1.15	76	0.11	7	s	fr	
103.63	105.16	1.53	1.00	65	0.20	13	ms	fr	
105.16	106.68	1.52	1.00	66	0.00	0	vs	fr	
106.68	108.20	1.52	1.28	84	0.49	32	vs	fr	
108.20	109.73	1.53	1.27	83	0.43	28	ms	fr	
109.73	111.25	1.52	1.04	68	0.11	7	ms	fr	
111.25	112.78	1.53	1.13	74	0.20	13	ms	fr	
112.78	114.30	1.52	0.98	64	0.12	8	s	fr	
114.30	115.82	1.52	0.93	61	0.00	0	s	fr	
115.82	117.35	1.53	1.24	81	0.74	48	s	fr	
117.35	118.87	1.52	1.12	74	0.16	11	s	fr	
118.87	120.40	1.53	1.01	66	0.12	8	s	fr	
120.40	121.92	1.52	1.01	66	0.18	12	s	fr	
121.92	123.44	1.52	1.42	93	0.97	64	s	fr	
123.44	124.97	1.53	0.99	65	0.11	7	es	fr	
126.50	128.02	1.52	1.09	72	0.22	14	vs	fr	
128.02	129.54	1.52	1.11	73	0.30	20	vs	fr	
129.54	131.06	1.52	1.13	74	0.40	26	s	fr	
131.06	132.59	1.53	1.28	84	0.45	29	vs	fr	
132.59	134.11	1.52	1.26	83	0.27	18	s	fr	
134.11	135.64	1.53	1.46	95	0.73	48	s	fr	
135.64	137.16	1.52	1.35	89	0.96	63	vs	fr	
137.16	138.68	1.52	1.21	80	0.33	22	vs	fr	
138.68	140.21	1.53	1.44	94	1.11	73	s	fr	
140.21	141.73	1.52	1.52	100	1.52	100	vs	fr	
141.73	143.26	1.53	1.43	93	1.10	72	vs	fr	
143.26	144.78	1.52	1.51	99	1.48	97	s	fr	
144.78	146.30	1.52	1.16	76	0.86	57	ms	fr	
146.30	147.83	1.53	0.32	21	0.28	18	ms	fr	
147.83	149.35	1.52	0.90	59	0.00	0	w	fr	
149.35	150.88	1.53	0.63	41	0.00	0	ms	fr	
150.88	152.40	1.52	0.83	55	0.00	0	ms	fr	
152.40	153.92	1.52	0.35	23	0.00	0	vs	fr	
153.92	155.45	1.53	0.85	56	0.00	0	ms	fr	
155.45	156.97	1.52	1.23	81	0.00	0	w	fr	
156.97	158.50	1.53	0.70	46	0.00	0	w	fr	
158.50	160.02	1.52	0.65	43	0.00	0	w	fr	
160.02	161.54	1.52	0.80	53	0.00	0	w	fr	
161.54	163.07	1.53	0.71	46	0.00	0	w	fr	
163.07	164.59	1.52	0.45	30	0.00	0	vw	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
164.59	166.12	1.53	0.73	48	0.00	0	vw	fr	
166.12	167.64	1.52	0.36	24	0.00	0	w	fr	
167.64	169.16	1.52	0.74	49	0.21	14	w	fr	
169.16	170.69	1.53	0.90	59	0.26	17	w	fr	
170.69	172.21	1.52	1.16	76	0.00	0	w	fr	
172.21	173.74	1.53	0.98	64	0.38	25	ms	fr	
173.74	175.26	1.52	1.08	71	0.24	16	ms	fr	
175.26	176.78	1.52	0.55	36	0.21	14	ms	fr	
176.78	177.70	0.92	0.92	100	0.28	30	ms	fr	
177.70	179.22	1.52	1.04	68	0.31	20	s	fr	
179.22	179.83	0.61	0.45	74	0.37	61	ms	fr	
179.83	180.44	0.61	0.14	23	0.00	0	ms	fr	
180.44	181.97	1.53	1.14	75	0.35	23	ms	fr	
181.97	182.88	0.91	0.68	75	0.00	0	ms	fr	
182.88	184.40	1.52	0.86	57	0.00	0	ms	fr	
184.40	185.93	1.53	1.02	67	0.00	0	ms	fr	
185.93	187.45	1.52	1.18	78	0.22	14	ms	fr	
187.45	188.98	1.53	1.04	68	0.53	35	s	fr	
188.98	190.50	1.52	1.12	74	0.00	0	ms	fr	
190.50	192.02	1.52	1.37	90	0.74	49	s	fr	
192.02	193.55	1.53	1.37	90	0.98	64	ms	fr	
193.55	195.07	1.52	1.29	85	0.52	34	ms	fr	
195.07	196.60	1.53	1.01	66	0.18	12	ms	fr	
196.60	198.12	1.52	1.29	85	0.66	43	vs	fr	
198.12	199.64	1.52	1.27	84	0.83	55	ms	fr	
199.64	201.17	1.53	1.20	78	0.70	46	s	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-15

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
10.05	12.19	2.14	1.28	60	G075314	8	0.05	19	237	
12.19	15.24	3.05	2.15	70	G075315	8	0.08	12	174	
15.24	18.30	3.06	1.83	60	G075316	8	0.21	30	164	
18.30	19.81	1.51	1.22	81	G075317	8	13.55	897	693	
19.81	22.56	2.75	2.32	84	G075318	8	1.50	380	316	
22.56	24.00	1.44	1.44	100	G075319	8	40.20	14150	7990	
24.00	25.77	1.77	1.45	82	G075320	8	5.70	345	8270	
					G075321	8	689.00	18750	27500	Standard OC-1
25.77	27.43	1.66	1.48	89	G075322	8	0.25	26	542	
27.43	30.48	3.05	2.54	83	G075323	8	4.16	824	1220	
30.48	33.53	3.05	2.57	84	G075324	8	0.25	44	208	
33.53	36.58	3.05	2.49	82	G075325	8	0.28	79	105	
36.58	39.62	3.04	2.34	77	G075326	8	0.11	5	56	
					G075327	8	0.03	2	15	Blank HQ
39.62	42.67	3.05	2.77	91	G075328	8	0.11	10	64	
42.67	45.72	3.05	2.33	76	G075329	8	0.11	13	186	
45.72	48.77	3.05	2.39	78	G075330	8	0.11	9	192	
48.77	51.82	3.05	2.38	78	G075331	8	0.28	15	359	
51.82	54.86	3.04	2.41	79	G075332	8	0.18	16	241	
51.82	54.86	3.04	2.50	82	G075333	8	0.11	10	282	Duplicate
54.86	57.66	2.80	2.17	78	G075334	8	0.12	8	246	
57.66	58.38	0.72	0.69	96	G075335	8	73.30	12000	97400	
					G075336	8	0.02	3	26	Blank
58.38	59.44	1.06	0.71	67	G075337	8	25.30	1970	8650	
					G075338	8	60.60	19000	20000	Standard OC-5
59.44	62.48	3.04	2.78	91	G075339	8	0.03	3	211	End Batch 8
62.48	65.53	3.05	2.25	74	G075340	9	0.02	3	114	
65.53	68.58	3.05	1.73	57	G075341	9	0.03	2	153	
68.58	71.63	3.05	1.81	59	G075342	9	0.02	2	264	
71.63	74.29	2.66	2.16	81	G075343	9	0.04	3	232	
					G075344	9	59.70	19350	20000	Standard OC-5
74.29	76.00	1.71	1.45	85	G075345	9	0.07	5	160	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
76.00	77.00	1.00	0.81	81	G075346	9	0.17	11	157	
77.00	79.25	2.25	1.82	81	G075347	9	0.03	3	64	
79.25	81.11	1.86	1.67	90	G075348	9	0.03	3	77	
81.11	83.00	1.89	1.53	81	G075349	9	0.04	6	139	
83.00	86.00	3.00	2.23	74	G075350	9	0.04	2	126	
86.00	88.39	2.39	1.32	55	G075351	9	0.04	3	86	
88.39	91.44	3.05	2.39	78	G075352	9	0.03	2	56	
143.54	146.54	3.00	2.72	91	G075353	9	0.04	3	43	
146.54	149.35	2.81	0.93	33	G075354	9	0.09	5	319	
149.35	152.40	3.05	1.46	48	G075355	9	0.05	5	62	
152.40	155.45	3.05	1.20	39	G075356	9	0.05	5	129	
					G075357	9	<0.01	1	12	Blank HQ
155.45	158.50	3.05	1.93	63	G075358	9	0.04	5	107	
158.50	161.54	3.04	1.46	48	G075359	9	0.05	4	144	
161.54	164.59	3.05	1.16	38	G075360	9	0.06	6	287	
164.59	167.64	3.05	1.09	36	G075361	9	1.04	54	2180	
167.64	169.16	1.52	0.74	49	G075362	9	29.10	6380	43700	
					G075363	9	0.04	6	63	Blank HQ
169.16	172.21	3.05	2.06	68	G075364	9	42.60	13900	16450	
172.21	173.74	1.53	0.98	64	G075365	9	6.20	240	19300	
					G075366	9	149.00	47200	48200	Standard OC-4
173.74	176.78	3.04	1.63	54	G075367	9	1.49	211	555	
176.78	179.83	3.05	1.64	54	G075368	9	2.83	863	2020	
179.83	181.83	2.00	1.22	61	G075369	9	1.91	457	295	
181.83	182.88	1.05	0.80	76	G075370	9	0.08	7	58	
182.88	185.93	3.05	1.88	62	G075371	9	0.08	6	106	

DENSITY LOG

HOLE: OC-11-15

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
20.16	LST	DOL		15.3	6.0	1258.6	816.2	2.91	2.84
52.55	LST	DOL		15.2	6.0	1255.3	814.2	2.92	2.85
75.00	LST	DOL		14.8	6.0	1193.5	769.7	2.85	2.82

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-15

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00			n/a	
4.00			n/a	
5.00			n/a	
6.00			n/a	
7.00			n/a	
8.00			n/a	
9.00			n/a	
10.00			0.00	
11.00			0.00	
12.00			0.00	
13.00			0.00	
14.00			0.00	
15.00			0.00	
16.00			0.00	
17.00			0.00	
18.00			0.00	
19.00			0.01	
20.00			0.00	
21.00			0.00	
22.00			0.01	
23.00			0.01	
24.00			0.01	
25.00			0.01	
26.00			0.01	
27.00			0.01	
28.00			0.01	
29.00			0.00	
30.00			0.00	
31.00			0.01	
32.00			0.00	
33.00			0.00	
34.00			0.00	
35.00			0.00	
36.00			0.00	
37.00			0.00	
38.00			0.00	
39.00			0.00	
40.00			0.00	
41.00			0.00	
42.00			0.00	
43.00			0.00	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.00	
47.00			0.00	
48.00			0.00	
49.00			0.00	
50.00			0.00	
51.00			0.00	
52.00			0.00	
53.00			0.05	
54.00			0.01	
55.00			0.01	
56.00			0.00	
57.00			0.01	
58.00			0.01	
59.00			0.01	
60.00			0.01	
61.00			0.01	
62.00			0.01	
63.00			0.01	
64.00			0.01	
65.00			0.00	
66.00			0.00	
67.00			0.00	
68.00			0.01	
69.00			0.00	
70.00			0.01	
71.00			0.01	
72.00			0.01	
73.00			0.01	
74.00			0.00	
75.00			0.00	
76.00			0.01	
77.00			0.01	
78.00			0.00	
79.00			0.00	
80.00			0.01	
81.00			0.01	
82.00			0.01	
83.00			0.01	
84.00			0.01	
85.00			0.00	
86.00			0.01	
87.00			0.00	
88.00			0.00	
89.00			0.00	
90.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.00	
94.00			0.00	
95.00			0.00	
96.00			0.01	
97.00			0.00	
98.00			0.01	
99.00			0.00	
100.00			0.01	
101.00			0.00	
102.00			0.01	
103.00			0.00	
104.00			0.01	
105.00			0.00	
106.00			0.00	
107.00			0.00	
108.00			0.00	
109.00			0.00	
110.00			0.01	
111.00			0.01	
112.00			0.00	
113.00			0.01	
114.00			0.00	
115.00			0.01	
116.00			0.01	
117.00			0.01	
118.00			0.01	
119.00			0.01	
120.00			0.00	
121.00			0.00	
122.00			0.01	
123.00			0.01	
124.00			0.00	
125.00			0.03	
126.00			0.00	
127.00			0.00	
128.00			0.00	
129.00			0.00	
130.00			0.00	
131.00			0.00	
132.00			0.00	
133.00			0.00	
134.00			0.00	
135.00			0.00	
136.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.00	
139.00			0.00	
140.00			0.01	
141.00			0.00	
142.00			0.00	
143.00			0.01	
144.00			0.00	
145.00			0.01	
146.00			0.01	
147.00			0.01	
148.00			n/a	
149.00			0.00	
150.00			0.01	
151.00			n/a	
152.00			0.01	
153.00			0.00	
154.00			0.00	
155.00			n/a	
156.00			n/a	
157.00			n/a	
158.00			n/a	
159.00			0.00	
160.00			n/a	
161.00			0.06	
162.00			n/a	
163.00			n/a	
164.00			n/a	
165.00			n/a	
166.00			0.00	
167.00			0.18	
168.00			0.15	
169.00			0.10	
170.00			n/a	
171.00			0.01	
172.00			0.01	
173.00			0.03	
174.00			0.00	
175.00			0.00	
176.00			0.01	
177.00			0.03	
178.00			0.01	
179.00			0.01	
180.00			0.00	
181.00			0.00	
182.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.05	
184.00			0.00	
185.00			0.00	
186.00			0.00	
187.00			0.01	
188.00			0.00	
189.00			0.00	
190.00			0.00	
191.00			0.01	
192.00			0.01	
193.00			0.00	
194.00			0.00	
195.00			0.00	
196.00			0.00	
197.00			0.00	
198.00			0.00	
199.00			0.00	
200.00			0.00	
201.00			0.00	
EOH				

BOX LOG

HOLE: OC-11-15

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	9.70	13.15	36	132.11	135.79
2	13.15	16.48	37	135.79	139.65
3	16.48	20.75	38	139.65	143.09
4	20.75	24.38	39	143.09	148.30
5	24.38	28.30	40	148.30	151.95
6	28.30	32.00	41	151.95	155.94
7	32.00	35.62	42	155.94	160.09
8	35.62	39.38	43	160.09	164.59
9	39.38	42.83	44	164.59	169.29
10	42.83	46.44	45	169.29	172.47
11	46.44	49.81	46	172.47	175.97
12	49.81	53.34	47	175.97	180.53
13	53.34	56.87	48	180.53	184.04
14	56.87	60.40	49	184.04	187.45
15	60.40	64.01	50	187.45	190.50
16	64.01	67.36	51	190.50	194.49
17	67.36	70.80	52	194.49	197.95
18	70.80	74.00	53	197.95	201.17
19	74.00	77.55		EOH	
20	77.55	80.77			
21	80.77	84.21			
22	84.21	87.88			
23	87.88	91.44			
24	91.44	94.46			
25	94.46	97.73			
26	97.73	101.32			
27	101.32	104.31			
28	104.31	107.80			
29	107.80	111.18			
30	111.18	114.46			
31	114.46	118.00			
32	118.00	121.49			
33	121.49	124.93			
34	124.93	128.43			
35	128.43	132.11			

RAU PROPERTY

ZONE: Ocelot

SECTION: 10+170E

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+170E	10+010N	517148	7127497	752	191.11

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	197	-50.0	compass	114.91	199.6	-48.3	Ranger
38.71	199.3	-48.9	Ranger	145.39	201.3	-47.7	Ranger
69.19	198.5	-49.1	Ranger	175.87	200.3	-46.8	Ranger
99.67	198.4	-48.8	Ranger	191.11	200.6	-46.2	Ranger

TARGET: Infill

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	7.62	7.62	OVB	No recovery, casing drilled.
7.62	55.78	48.16	DOL	Brecciated
55.78	60.73	4.95	DOL	Brecciated, mineralized
60.73	64.68	3.95	MX	Semi-massive sulphides
64.68	70.00	5.32	DOL	Brecciated
70.00	72.24	2.24	MX	
72.24	78.33	6.09	DOL	Brecciated
78.33	78.78	0.45	DOL	Mineralized
78.78	83.95	5.17	MX	Massive pyrite with sphallerite and galena
83.95	124.10	40.15	DOL	Brecciated
124.10	125.08	0.98	MX	Pyrite vein
125.08	191.11	66.03	DOL	Brecciated

HOLE: OC-11-16

CLAIM: YC69280

Contractor: Superior

Drill: _____

Core size: HQ

Casing depth: 7.62 (m) out

Drilling dates: June 5 to 7

Geology logged by: Gavin Titley

SAMPLES

Numbers: G075372-G075406
Total: <u>32</u>
Batch: <u>9,10</u>
Certificate: <u>WH11107515, WH11107515, WH11107516</u>
<u>WH11107516</u>

COMMENTS

GEOLOGY LOG

HOLE: OC-11-16

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
0.00	7.62	7.62				OVB																					No recovery, casing drilled	
																											Medium to dark grey, MG-FG variably BX, intensely DOL ALT LST. BX textues from sBX to tBX. sBX features MG white DOL strings within darker grey host LST to merely islands of dark within a white DOL mass. tBX features sub-rounded to sub-angular 1mm to 7cm wide clasts of white MG DOL within darker matrix. Core is competent to rubbly, with the majority of fracturing occuring along CLY or graphite? lined zones. Some fossilization present.	
7.62	55.78	48.16				DOL	LST	BX					i															
																											Dark to medium grey MG-FG sBX textured intensely DOL ALT LST with fair weathering. Rusty orange to red coatings on fracture faces visible. Weathering decreases with depth and is absent below 18.60m	
			7.62	18.60	10.98	DOL	LST	BX					i					WEA	f								As general description implies. From 55.47-55.78, LCN features wisps of Py seeping into fractures within DOL ALT LST.	
			18.60	55.78	37.18	DOL	LST	BX	CN				i							i						X	Preferential fracturing oriented at 25-40° TCA at a frequency of 7-10/m	
									FR	35		7																
																											Approximately 8cm Py vein within DOL ALT LST semi-massive Py with DOL crystal intrusions, (trace Blackjack Sp?) wisps extend approximately 15cm to either side, progressively weakining with increased distance from the centre (at 48.92-49.00m)	
																											Dark grey to dull yellow brown MG-FG, sBX, intensely DOL ALT LST punctuated by 3 MX bands of semi-massive to massive Py. BX is weak, features white MG DOL cracks within darker matrix. LCN defined by a shift from Py MX to Sp and Zn MX. MX continues as wisps throughout. Intense Py, moderate Sp, trace Gn.	
55.78	60.73	4.95				DOL	MX	BX	CN				i										Sp	m	Gn	t	X	Dull yellow MG-CG semi massive to massive Py band containing strong DOL ALT & moderate Sp MX. Vugs 1mm-5cm wide contain CG DOL or Sp crystals.
			55.78	56.35	0.57	MX	DOL		BN				s										Sp	m				
			57.94	58.39	0.45	MX	DOL		BN				s										Sp	s	Gn	w		

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity					
			59.08	59.70	0.62	MX	DOL		BN				s										Sp	s	Gn	m		Dull yellow MG-CG semi massive to massive Py band containing strong DOL ALT & strong Sp and moderate Gn MX. Vugs 1mm-12mm wide contain CG DOL or Py crystals.
60.73	64.68	3.95				MX	SIL		CN	40							SIL	m	i				Sp	70	Gn	s	X	Dull amber brown to dull yellow, FG-CG massive to semi massive Sp/Zn MX VN with moderate SIL ALT and Py and Gn MX. Upper contact marked by Qz VN intrusion into LST hosted Sp at common orientation of 40° TCA. Py MX begins as strings and clouds, but weakens to scattered wisps with depth. 1mm-3cm vugs within core contain caried MX, from Py to Gn to Qz. Intense Py, strong Gn, moderate Qz. LCN defined by abrupt 40° shift to dark grey DOL ALT LST.
64.68	76.95	12.27				DOL	LST	BX	CN				i				CLY	i					Sp	f	Gn	f	X	Dark to medium grey to dull yellow-brown vFG-MG, Bx, intensely DOL, intesely CLY ALT LST fault. BX mostly soft and intensely fractured cBX. Core dominantly rubbly with CLY or Gr present on fracture faces. MX occurs primarily as a zone of mineralised clay more competent than surrounding core. LCN defined by shift from soft rubbly core to harder more competent DOL ALT LST. Fair Sp, Gn and Gr.
			70.00	72.24	2.24	MX			BN										i				Sp	s	Gn	s		Dull yellow brown FG-MG MX PY CLY with red-brown Sp and Gn. Strong Sp, strong Gn
76.95	78.78	1.83				DOL	LST	BX	CN	30			i						ms				Sp	w			X	Dark to medium grey FG-MG, BX, intensely DOL ALT LST. sBX weak with 1-3mm veins of white DOL. MX occurs primarily as blebs of Py and red-brown Sp. LCN defined by a 30° TCA transition to massive Py MX.
			78.33	78.49		DOL	LST	MX		50			i						i				Sp	s				As general description implies, but with blebs of Py and red-brown Sp.in a white MG DOL matrix preferentially oriented at 45-55° TCA.
78.78	83.95	5.17				MX							s						70				Sp	s	Gn	i	X2	Dull yellow, MG-FG massive Py MX with strong Sp and intense Gn MX. Core is mostly rubbly with scattered DOL veins. Sp is red-brown and Gn demonstrated octahedral crystal habit.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
83.95	114.24	30.29				DOL	LST	BX					i					CLY	s	t							Dark to light grey, variably BX, MG-FG, strongly CLY ALT, fairly MBL ALT, intensely DOL ALT LST. BX textures from cBX to low matrix tBX to increasingly matrix rich tBX downhole. cBX features light grey DOL clasts spiderwebbed by dark grey matrix. In tBX, the matrix is thicker and the clasts sub-rounded to sub-angular. Weak MBL textures and banding visible. Core is rubbly to competent, fracturing on CLY ALT planes. Some Py wisps intermittent. Trace Py.
			93.73	94.00	0.27	DOL	LST	BX	CN				i														Re-Drill. Dark to light grey MG-FG, BX, intensely DOL ALT LST with weak weathering. Rubbly, CN obscured by footage blocks. Recovery of core quite poor.
114.24	124.10	9.86				DOL	LST	BX					i					MBL	m					Qz	f		Dark to light grey, variably BX, MG-FG, fairly CLY ALT, fairly SIL ALT, moderately MBL ALT, intensely DOL ALT LST. BX textures tBX to sBX to weak cBX. tBX features angular to sub-rounded clasts of white MG DOL or medium grey, harder Qz in a dark grey FG matrix. sBX characterised by veins of MG, sometimes sparry white DOL tightly to loosely packed within darker LST. These veins often undulare around sub-rounded to sub-angular clasts LST clasts. Core is competent to blocky.
									FO	70		30														X	A sub-preferential sBX foliation 65-75° TCA is visible most prominently from 18.06-19.26 at a density of 25-35/m
124.10	125.08	0.98				MX	DOL						m							60						X	Dull yellow MG-FG semi-massive, moderately DOL ALT Py vein. Core rubbly to blocky. LCN of 85° to surrounding DOL ALT LST. Intense Py, Traces of Py extend to surrounding core, weakening in intensity with distance.
125.08	191.11	66.03				DOL	LST	BX					i					MBL	m								Dark to light grey, MG-FG, variably BX, moderately MBL ALT, weakly CLY ALT, intensely DOL ALT LST. BX textures vary from sBX to tBX with sparse cBX. sBX features MG white DOL intrusions into darker LST. tBX compromises 1mm-6cm sub-angular to sub-rounded clasts of light grey DOL within a darker FG LST matrix. Moderate MBL textures and weak MBL banding seen. Core is competent to blocky, fracturing along CLY ALT regions.
			125.08	141.25	16.17	DOL	LST	BX					i					MBL	m								As general description implies, except primarily a lighter grey sBX. DOL ALT LST host rock featuring 1mm-7cm wide clasts of darker LST MG white, sometimes sparry DOL.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			141.25	148.79	7.54	DOL	LST	BX					i					MBL	s							X	Dark to light grey, FG-MG, strongly MBL ALT, BX, intensely DOL ALT LST. sBX textures grey leopard print MBL ALT dolomitized LST within dark grey LST matrix.
									FO	65		45															Dark to light grey foliation preferentially oriented a 60-70° TCA at a density of 40-50/m visible throughout the sub-interval.
			148.79	155.05	6.26	DOL	LST	BX					i					MBL	s								Light to dark grey FG-MG, tBX, strongly MBL ALT, intensely DOL ALT LST. tBX occurs as 1mm-3cm wide sub-rounded to sub-angular clasts of DOL within the support of the LST matrix. MBL textures and weak MBL banding visible. Core competent to blocky.
			155.05	191.11	36.06	DOL	LST	BX					i					MBL	s	t						X2	Primarily dark grey, FG-MG, weakly BX, weakly MBL ALT, moderately CLY ALT, intensely DOL ALT LST. BX occurs as scattered white MG DOL veins within darker LST matrix. Core is competent to rubbly, fracturing along CLY lined regions most often. Some fracture faces are lined with Py, with some Py occurring as wisps alongside said faces, or replacing proximal DOL veins. Trace Py overall.
		EOH							FR	33		2															Preferential fracturing oriented at 25-40° TCA at a frequency of 1-3/m

GEOTECHNICAL LOG

HOLE: OC-11-16

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
7.62	9.14	1.52	0.92	61	0.00	0	ms	mw	
9.14	9.75	0.61	0.43	70	0.00	0	ms	mw	
9.75	11.28	1.53	0.84	55	0.12	8	s	sw	
11.28	12.80	1.52	0.95	62	0.12	8	s	sw	
12.80	14.33	1.53	1.04	68	0.31	20	ms	sw	
14.33	14.94	0.61	0.12	20	0.00	0	ms	sw	
14.94	15.85	0.91	0.56	62	0.20	22	ms	sw	
15.85	17.37	1.52	0.83	55	0.34	22	s	sw	
17.37	17.98	0.61	0.24	39	0.00	0	vs	sw	
17.98	18.90	0.92	0.44	48	0.13	14	s	sw	
18.90	20.42	1.52	1.08	71	0.30	20	ms	sw	
20.42	21.95	1.53	1.17	76	0.22	14	s	fr	
21.95	23.47	1.52	1.12	74	0.50	33	ms	fr	
23.47	24.99	1.52	1.24	82	1.05	69	ms	fr	
24.99	26.52	1.53	1.39	91	0.76	50	s	fr	
26.52	28.04	1.52	1.17	77	0.16	11	vs	fr	
28.04	28.65	0.61	0.59	97	0.22	36	s	fr	
28.65	30.48	1.83	0.17	9	0.52	28	ms	fr	
30.48	31.09	0.61	0.59	97	0.48	79	s	fr	
31.09	32.61	1.52	1.13	74	0.48	32	vs	fr	
32.61	34.14	1.53	1.14	75	0.54	35	vs	fr	
34.14	35.66	1.52	1.14	75	0.91	60	s	fr	
35.66	37.19	1.53	0.88	58	0.23	15	ms	fr	
37.19	38.71	1.52	1.09	72	0.44	29	s	fr	
38.71	40.23	1.52	1.18	78	0.70	46	s	fr	
40.23	41.76	1.53	1.18	77	0.80	52	es	fr	
41.76	43.28	1.52	1.46	96	1.17	77	vs	fr	
43.28	44.81	1.53	1.46	95	1.25	82	s	fr	
44.81	46.33	1.52	1.39	91	1.34	88	vs	fr	
46.33	47.85	1.52	1.38	91	0.93	61	ms	fr	
47.85	49.38	1.53	1.20	78	0.53	35	s	fr	
49.38	50.90	1.52	1.40	92	0.52	34	vs	fr	
50.90	52.43	1.53	0.99	65	0.00	0	vs	fr	
52.43	53.95	1.52	1.40	92	0.92	61	vs	fr	
53.95	55.47	1.52	1.36	89	1.00	66	s	fr	
55.47	57.00	1.53	1.21	79	0.82	54	s	fr	
57.00	58.52	1.52	1.23	81	0.94	62	vs	fr	
58.52	60.05	1.53	1.46	95	0.95	62	s	fr	
60.05	61.57	1.52	1.41	93	1.17	77	vs	fr	
61.57	63.09	1.52	1.32	87	0.68	45	s	fr	
63.09	64.62	1.53	1.10	72	0.00	0	ms	fr	
64.62	66.14	1.52	1.21	80	0.68	45	w	fr	
66.14	67.67	1.53	1.14	75	0.51	33	w	fr	
67.67	69.19	1.52	0.49	32	0.00	0	w	fr	
69.19	70.71	1.52	0.27	18	0.00	0	ew	fr	
70.71	72.24	1.53	1.08	71	0.46	30	ew	fr	
72.24	73.76	1.52	1.10	72	0.00	0	vw	fr	
73.76	75.29	1.53	1.09	71	0.00	0	w	fr	
75.29	76.81	1.52	0.28	18	0.13	9	w	fr	
76.81	78.33	1.52	1.13	74	0.46	30	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
78.33	79.86	1.53	0.85	56	0.56	37	s	fr	
79.86	81.38	1.52	1.14	75	0.00	0	s	fr	
81.38	82.91	1.53	0.46	30	0.00	0	w	fr	
82.91	84.12	1.21	0.80	66	0.00	0	w	fr	
84.12	85.65	1.53	1.15	75	0.32	21	ms	fr	
85.65	87.17	1.52	1.05	69	0.36	24	ms	fr	
87.17	88.70	1.53	0.98	64	0.15	10	ms	fr	
88.70	89.00	0.30	0.11	37	0.00	0	ms	fr	
89.00	90.53	1.53	0.93	61	0.17	11	ms	fr	
90.53	92.05	1.52	1.02	67	0.00	0	ms	fr	
92.05	92.66	0.61	0.26	43	0.00	0	ms	fr	
92.66	93.73	1.07	0.15	14	0.00	0	s	fr	
93.73	95.10	1.37	0.27	20	0.00	0	ms	fr	
95.10	96.62	1.52	0.93	61	0.16	11	ms	fr	
96.62	98.15	1.53	0.71	46	0.00	0	w	fr	
98.15	99.67	1.52	1.29	85	0.60	39	s	fr	
99.67	101.19	1.52	1.04	68	0.00	0	ms	fr	
101.19	102.72	1.53	1.08	71	0.35	23	ms	fr	
102.72	104.24	1.52	0.98	64	0.00	0	w	fr	
104.24	105.77	1.53	1.15	75	0.62	41	s	fr	
105.77	107.29	1.52	1.28	84	0.74	49	ms	fr	
107.29	108.81	1.52	1.27	84	0.70	46	s	fr	
108.81	110.34	1.53	1.03	67	0.00	0	ms	fr	
110.34	111.86	1.52	0.82	54	0.00	0	w	fr	
111.86	113.39	1.53	0.96	63	0.21	14	w	fr	
113.39	114.91	1.52	1.12	74	0.41	27	s	fr	
114.91	116.43	1.52	1.11	73	0.70	46	s	fr	
116.43	117.96	1.53	1.20	78	0.38	25	s	fr	
117.96	119.48	1.52	1.21	80	1.06	70	vs	fr	
119.48	121.01	1.53	1.35	88	0.88	58	vs	fr	
121.01	122.53	1.52	1.17	77	0.52	34	vs	fr	
122.53	124.05	1.52	1.08	71	0.10	7	s	fr	
124.05	125.58	1.53	0.78	51	0.00	0	ms	fr	
125.58	127.10	1.52	1.02	67	0.22	14	ms	fr	
127.10	128.63	1.53	1.08	71	0.31	20	ms	fr	
128.63	130.15	1.52	1.25	82	0.41	27	s	fr	
130.15	131.67	1.52	0.98	64	0.00	0	ms	fr	
131.67	133.20	1.53	1.05	69	0.13	8	ms	fr	
133.20	134.72	1.52	1.06	70	0.36	24	s	fr	
134.72	136.25	1.53	1.18	77	0.41	27	ms	fr	
136.25	137.77	1.52	1.12	74	0.14	9	ms	fr	
137.77	139.29	1.52	1.32	87	0.34	22	s	fr	
139.29	140.82	1.53	1.20	78	0.12	8	ms	fr	
140.82	142.34	1.52	1.13	74	0.52	34	s	fr	
142.34	143.87	1.53	1.02	67	0.12	8	s	fr	
143.87	145.39	1.52	1.19	78	0.58	38	s	fr	
145.39	146.91	1.52	1.04	68	0.48	32	s	fr	
146.91	148.44	1.53	1.06	69	0.17	11	s	fr	
148.44	149.96	1.52	0.72	47	0.00	0	vs	fr	
149.96	151.49	1.53	1.19	78	0.71	46	s	fr	
151.49	153.01	1.52	1.10	72	0.41	27	ms	fr	
153.01	154.53	1.52	1.28	84	0.52	34	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
154.53	156.06	1.53	1.05	69	0.32	21	s	fr	
156.06	157.58	1.52	1.26	83	0.30	20	vs	fr	
157.58	159.11	1.53	1.20	78	0.14	9	ms	fr	
159.11	160.63	1.52	1.17	77	0.22	14	s	fr	
160.63	162.15	1.52	1.04	68	0.00	0	ms	fr	
162.15	163.68	1.53	1.11	73	0.10	7	s	fr	
163.68	165.20	1.52	1.23	81	0.77	51	s	fr	
165.20	166.73	1.53	1.01	66	0.25	16	s	fr	
166.73	168.25	1.52	1.03	68	0.43	28	s	fr	
168.25	169.77	1.52	1.25	82	0.00	0	ms	fr	
169.77	171.30	1.53	1.04	68	0.45	29	ms	fr	
171.30	172.82	1.52	1.13	74	0.10	7	ms	fr	
172.82	174.35	1.53	1.35	88	1.10	72	ms	fr	
174.35	175.86	1.51	1.25	83	0.48	32	s	fr	
175.86	177.39	1.53	1.16	76	0.70	46	vs	fr	
177.39	178.92	1.53	1.17	76	0.27	18	s	fr	
178.92	180.44	1.52	1.22	80	0.43	28	ms	fr	
180.44	181.97	1.53	1.35	88	0.00	0	s	fr	
181.97	183.49	1.52	1.40	92	0.90	59	ms	fr	
183.49	185.01	1.52	1.29	85	0.65	43	ms	fr	
185.01	186.54	1.53	1.03	67	0.00	0	ms	fr	
186.54	188.06	1.52	1.13	74	0.00	0	ms	fr	
188.06	189.59	1.53	0.93	61	0.50	33	ms	fr	
189.59	191.11	1.52	1.14	75	0.31	20	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-16

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
43.28	46.33	3.05	2.85	93	G075372	9	0.03	4	24	
46.33	48.38	2.05	1.58	77	G075373	9	0.29	36	549	
48.38	49.15	0.77	0.46	60	G075374	9	15.80	1200	134500	
48.38	49.15	0.77	0.46	60	G075375	9	16.70	2550	107500	
49.15	50.90	1.75	1.51	86	G075376	10	0.75	166	704	
50.90	53.95	3.05	2.39	78	G075377	10	0.14	10	277	
53.95	55.78	1.83	1.65	90	G075378	10	0.96	23	9990	
55.78	56.55	0.77	0.55	71	G075379	10	21.20	3320	262000	
56.55	57.68	1.13	1.11	98	G075380	10	3.23	172	19550	
57.68	58.57	0.89	0.70	79	G075381	10	7.82	153	200000	
58.57	59.12	0.55	0.54	98	G075382	10	3.00	46	63700	
59.12	59.73	0.61	0.58	95	G075383	10	59.20	17150	58600	
59.73	60.96	1.23	0.98	80	G075384	10	114.00	5710	60200	
60.96	61.70	0.74	0.73	99	G075385	10	117.00	37400	259000	
61.70	64.67	2.97	2.15	72	G075386	10	33.80	6620	568700	
					G075387	10	0.27	64	1490	Blank
64.67	67.67	3.00	2.07	69	G075388	10	0.25	35	3190	
67.67	70.71	3.04	0.76	25	G075389	10	46.80	18100	29200	
70.71	72.24	1.53	1.08	71	G075390	10	639.00	199200	253000	
72.24	73.76	1.52	1.10	72	G075391	10	2.13	525	2910	
73.76	75.29	1.53	1.09	71	G075392	10	0.49	104	443	
75.29	76.96	1.67	0.38	23	G075393	10	9.69	1915	35700	
76.96	78.78	1.82	1.53	84	G075394	10	2.26	949	3320	
78.78	81.38	2.60	1.00	38	G075395	10	49.40	11300	74600	
81.38	82.91	1.53	0.40	26	G075396	10	55.10	12850	18400	
82.91	83.95	1.04	0.62	60	G075397	10	236.00	90800	125500	
83.95	85.65	1.70	1.24	73	G075398	10	0.31	45	760	
					G075399	10	0.33	111	213	Blank
85.65	88.70	3.05	2.03	67	G075400	10	0.41	83	382	
					G075401	10	718.00	19400	26700	Standard OC-1
121.01	124.05	3.04	2.25	74	G075402	10	0.54	43	199	
124.05	125.00	0.95	0.28	29	G075403	10	10.40	726	1410	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
125.00	127.10	2.10	1.30	62	G075404	10	0.18	20	135	
125.00	127.10	2.10	1.30	62	G075405	10	0.19	14	124	Duplicate
127.10	128.63	1.53	1.08	71	G075406	10	0.10	17	212	

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-16

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			n/a	
2.00			n/a	
3.00			n/a	
4.00			n/a	
5.00			n/a	
6.00			n/a	
7.00			n/a	
8.00			0.00	
9.00			0.00	
10.00			0.00	
11.00			0.00	
12.00			0.00	
13.00			0.00	
14.00			0.00	
15.00			0.00	
16.00			0.00	
17.00			0.01	
18.00			0.01	
19.00			0.01	
20.00			0.01	
21.00			0.01	
22.00			0.03	
23.00			0.03	
24.00			0.01	
25.00			0.01	
26.00			0.01	
27.00			0.00	
28.00			0.01	
29.00			0.00	
30.00			0.03	
31.00			0.03	
32.00			0.06	
33.00			0.00	
34.00			0.01	
35.00			0.01	
36.00			0.03	
37.00			0.00	
38.00			0.01	
39.00			0.01	
40.00			0.00	
41.00			0.01	
42.00			0.03	
43.00			0.00	
44.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.00	
47.00			0.01	
48.00			0.01	
49.00			0.03	
50.00			0.01	
51.00			0.00	
52.00			0.01	
53.00			0.01	
54.00			0.01	
55.00			0.03	
56.00			0.08	
57.00			0.01	
58.00			0.08	
59.00			0.01	
60.00			0.03	
61.00			0.05	
62.00			0.15	
63.00			0.15	
64.00			0.11	
65.00			0.08	
66.00			0.15	
67.00			0.08	
68.00			0.01	
69.00			0.00	
70.00			0.03	
71.00			0.08	
72.00			0.15	
73.00			0.01	
74.00			0.03	
75.00			0.03	
76.00			0.03	
77.00			0.03	
78.00			0.03	
79.00			0.03	
80.00			n/a	
81.00			0.08	
82.00			0.06	
83.00			0.05	
84.00			0.05	
85.00			0.01	
86.00			0.01	
87.00			0.00	
88.00			0.01	
89.00			0.05	
90.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.00	
92.00			n/a	
93.00			0.00	
94.00			0.00	
95.00			0.00	
96.00			0.01	
97.00			0.00	
98.00			0.00	
99.00			0.00	
100.00			0.00	
101.00			0.00	
102.00			0.01	
103.00			0.00	
104.00			0.00	
105.00			0.01	
106.00			0.01	
107.00			0.00	
108.00			0.00	
109.00			0.00	
110.00			n/a	
111.00			0.01	
112.00			0.00	
113.00			0.00	
114.00			0.00	
115.00			0.01	
116.00			0.00	
117.00			0.00	
118.00			0.23	
119.00			0.00	
120.00			0.00	
121.00			0.00	
122.00			0.00	
123.00			0.00	
124.00			0.00	
125.00			0.00	
126.00			0.00	
127.00			0.00	
128.00			0.00	
129.00			0.00	
130.00			0.00	
131.00			0.00	
132.00			0.01	
133.00			0.00	
134.00			0.00	
135.00			0.00	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.00	
139.00			0.00	
140.00			0.00	
141.00			0.00	
142.00			0.00	
143.00			0.00	
144.00			0.01	
145.00			0.00	
146.00			0.01	
147.00			0.00	
148.00			0.00	
149.00			0.00	
150.00			0.01	
151.00			0.01	
152.00			0.01	
153.00			0.03	
154.00			0.00	
155.00			0.01	
156.00			0.01	
157.00			0.00	
158.00			0.00	
159.00			0.01	
160.00			0.00	
161.00			0.00	
162.00			0.00	
163.00			0.00	
164.00			0.00	
165.00			0.01	
166.00			0.00	
167.00			0.01	
168.00			0.00	
169.00			0.00	
170.00			0.00	
171.00			0.00	
172.00			0.00	
173.00			0.00	
174.00			0.00	
175.00			0.06	
176.00			0.00	
177.00			0.00	
178.00			0.01	
179.00			0.01	
180.00			0.01	
181.00			0.01	
182.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.00	
184.00			0.00	
185.00			0.00	
186.00			0.00	
187.00			0.01	
188.00			0.00	
189.00			0.00	
190.00			0.00	
191.00			0.00	

BOX LOG

HOLE: OC-11-16

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	7.63	11.14	36	136.88	139.80
2	11.14	14.85	37	139.80	143.11
3	14.85	18.84	38	143.11	146.66
4	18.84	22.29	39	146.66	149.65
5	22.29	25.95	40	149.65	153.01
6	25.95	29.45	41	153.01	156.06
7	29.45	33.18	42	156.06	159.11
8	33.18	36.92	43	159.11	162.15
9	36.92	40.44	44	162.15	165.43
10	40.44	44.29	45	165.43	168.56
11	44.29	48.09	46	168.56	171.68
12	48.09	51.74	47	171.68	175.08
13	51.74	55.16	48	175.08	178.56
14	55.16	58.67	49	178.56	181.11
15	58.67	62.32	50	181.11	185.01
16	62.32	65.86	51	185.01	188.44
17	65.86	71.42	52	188.44	191.11
18	71.42	75.00		EOH	
19	75.00	79.69			
20	79.69	84.43			
21	84.43	88.40			
22	88.40	91.06			
23	91.06	96.94			
24	96.94	100.28			
25	100.28	103.29			
26	103.29	106.60			
27	106.60	109.91			
28	109.91	113.39			
29	113.39	117.00			
30	117.00	121.01			
31	121.01	124.01			
32	124.01	127.26			
33	127.26	130.60			
34	130.60	133.63			
35	133.63	136.88			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+170E	10+010N	517148	7127497	752	137.16

ZONE: Ocelot

SECTION: 10+170E

HOLE: OC-11-17

CLAIM: YC69280

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 6.10 (m) out

Drilling dates: June 8 to 9, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-70.0	compass	91.44	200.9	-68.6	Ranger
30.48	197.9	-68.7	Ranger	106.68	201.3	-69.0	Ranger
45.72	198.3	-68.6	Ranger	121.92	201.6	-68.7	Ranger
60.96	198.7	-68.5	Ranger	137.16	201.8	-68.5	Ranger

TARGET: Downdip infill

[illegible]

SAMPLES
Numbers: G075407 to G075421
Total: <u>15</u>
Batch: <u>10, 11</u>
Certificate: WH11107516, WH11107516, WH11115569

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-17

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
0.00	4.53	4.53				OVB																					Overburden. Dark, organic mats and brown soils	
																											Dark to light grey, FG-MG, variably BX, weakly CLY ALT, intensely DOL ALT LST. BX textures predominantly sBX, with isolated patches of tBX and cBX. sBX features MG white DOL intrusions into darker LST matrix. Core is competent to blocky, fracturing most noticeably along CLY rich regions. Weak sulfide MX seen in portions of the interval. Trace Py, trace Sp.	
4.53	80.77	76.24				DOL	LST	BX					i					CLY	w	t					Sp	t	X	
																											Dark to light grey, to rusty orange-red, FG-MG, variably BX strongly CLY ALT, intensely DOL ALT LST with weak weathering. Core is blocky to rubbly, fracturing along CLY lined faces. Rusty red-orange coatings seen on fracture faces and occasionally as tarnish on outside of core. Weathering decreases with depth and is absent below 18.40.	
			4.53	18.40	13.87	DOL	LST	BX	CN				i					WEA	w								Dark to light grey, FG-MG, sBX, weakly CLY ALT, intensely DOL ALT LST. sBX characterised by MG sparry white DOL intrusion into darker LST matrix. Dark, sub-angular 1mm-3cm clasts remain amidst white DOL in the more intensely BX regions. UCN marked by 11cm region with intense Py MX in the form of 7mm to 3cm thick strings. Core is competent to blocky, with CLY ALT evident on some fracture faces.	
			18.40	38.30	19.90	DOL	LST	BX	CN				i					CLY	w	t							X	
			38.30	43.17	4.87	DOL	LST	BX					i					CLY	m								2X	Dark to light grey, MG-FG, tBX, moderately CLY ALT, intensely DOL ALT LST. tBX features 1mm-6cm light grey MG sub-angular to sub-rounded clasts of DOL supporting a darker matrix. Core is competent to blocky, with CLY ALT visible on some fracture faces. Leopard print BX seen at LCN.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			43.17	80.77	37.60	DOL	LST	BX					i				MBL	w	t						Sp	t	X	Dark to light grey, MG-FG, variably BX, very weakly CLY ALT, weakly MBL ALT, intensely DOL ALT LST. BX textures mostly weak sBX, with some cBX in scattered regions. sBX generally weak, thin MG white DOL veins scattered throughout darker LST host. Stronger sBX (with white DOL primary) appears in isolated areas. cBX features FG dark grey cracks spiderwebbing medium grey DOL ALT LST.MBL textures seen in BX poor areas. Core is mostly competent, but occasionally, CLY coatings visible on fracture faces. Scattered strings of dull yellow-brown Py or red-brown Sp visible on occasion, and are most dense with propinquity to the end of the interval. Overall, trace Py, trace Sp.
80.77	86.12	5.35				DOL	LST	MX					i						i						Sp	s		Dark to med-grey to dull yellow-brown, FG-MG, weakly BX, MX DOL ALT LST. Weak sBX texture visible with scattered white DOL stringers often replaced by Py or Sp MX. MX primarily Py but often with accompanying Sp. MX strengthens from scattered strings to nebulas to semi-massive chunks downhole. Overall, intense Py, strong Sp.
86.12	96.26	10.14				MX	DOL						w						50			Gn	t		Sp	m		Dull yellow-brown to dark grey FG-MG semi massive, weakly DOL ALT Py MX mud. Core primarily entirely MX Py mud with accompanying red-brown Sp, but short (approx 5-10cm) sections of DOL ALT LST occur amidst the MX. Core primarily competent, albeit quite soft; seems heavier, more dense than usual.
			86.12	87.02	0.90	DOL	MX	BX											m			Gn	t		Sp	i	X	Dull red-brown to dark grey MG-FG BX, strongly DOL ALT LST with intense semi-massive MX. BX LST preferentially overprinted by Sp and Py MX. MX occurs as semi-massive clouds with occasional sparry white DOL vein intrusion. Intense Sp, moderate Py, trace Gn.
96.26	136.96	40.70				DOL	LST	BX											t						Gr	t		Med to dark and light grey, FG-MG, variably BX, moderately CLY, MBL, intensely DOL ALT LST. BX predominantly weak sBX with scattered white MG DOL veins. Core is rubbly to competent, breaking along CLY lined fracture faces. Trace Gn or Py MX visible on some fracture faces. Overall, trace Py, trace Gr. EOH reached, targeted MX zone passed.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
		EOH																									

GEOTECHNICAL LOG

HOLE: OC-11-17

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
0.00	1.52	1.52	1.52	100	0.00	0	ew	ew	
1.52	3.05	1.53	0.20	13	0.00	0	ew	ew	
3.05	4.57	1.52	0.39	26	0.00	0	ew	hw	
4.57	6.10	1.53	0.97	63	0.00	0	w	mw	
6.10	7.62	1.52	0.88	58	0.00	0	s	sw	
7.62	9.14	1.52	0.57	38	0.10	7	ms	sw	
9.14	10.67	1.53	0.91	59	0.10	7	s	sw	
10.67	12.19	1.52	0.74	49	0.00	0	ms	sw	
12.19	13.72	1.53	1.33	87	0.42	27	s	sw	
13.72	15.24	1.52	0.98	64	0.24	16	s	sw	
15.24	16.76	1.52	1.01	66	0.32	21	s	sw	
16.76	18.29	1.53	1.20	78	0.25	16	s	sw	
18.29	19.81	1.52	0.89	59	0.00	0	vs	sw	
19.81	21.34	1.53	1.28	84	0.79	52	ms	fr	
21.34	22.86	1.52	1.30	86	1.00	66	vs	fr	
22.86	24.38	1.52	1.21	80	0.63	41	s	fr	
24.38	25.91	1.53	1.03	67	0.10	7	ms	fr	
25.91	27.43	1.52	1.05	69	0.11	7	s	fr	
27.43	28.96	1.53	1.19	78	0.62	41	vs	fr	
28.96	30.48	1.52	1.27	84	0.74	49	vs	fr	
30.48	32.00	1.52	1.30	86	0.63	41	s	fr	
32.00	33.53	1.53	1.49	97	0.93	61	s	fr	
33.53	35.05	1.52	1.38	91	0.61	40	s	fr	
35.05	36.58	1.53	1.21	79	0.62	41	ms	fr	
36.58	38.10	1.52	1.29	85	0.47	31	ms	fr	
38.10	39.62	1.52	1.40	92	0.51	34	vs	fr	
39.62	41.15	1.53	1.06	69	0.37	24	ms	fr	
41.15	42.67	1.52	1.21	80	0.42	28	ms	fr	
42.67	44.20	1.53	1.22	80	0.84	55	ms	fr	
44.20	45.72	1.52	0.95	63	0.13	9	s	fr	
45.72	47.24	1.52	1.15	76	0.34	22	ms	fr	
47.24	48.77	1.53	1.31	86	0.83	54	w	fr	
48.77	50.29	1.52	1.31	86	0.88	58	s	fr	
50.29	51.82	1.53	1.34	88	1.07	70	s	fr	
51.82	53.34	1.52	1.40	92	0.77	51	s	fr	
53.34	54.86	1.52	1.36	89	0.75	49	s	fr	
54.86	56.39	1.53	1.20	78	0.66	43	ms	fr	
56.39	57.91	1.52	1.23	81	0.47	31	ms	fr	
57.91	59.44	1.53	1.50	98	1.26	82	ms	fr	
59.44	60.96	1.52	0.99	65	0.74	49	s	fr	
60.96	62.48	1.52	1.07	70	0.68	45	ms	fr	
62.48	64.01	1.53	1.34	88	0.71	46	ms	fr	
64.01	64.92	0.91	0.56	62	0.17	19	ms	fr	
64.92	66.45	1.53	1.10	72	0.42	27	s	fr	
66.45	67.97	1.52	1.15	76	0.61	40	ms	fr	
67.97	69.49	1.52	1.00	66	0.00	0	ms	fr	
69.49	69.80	0.31	0.10	32	0.00	0	ms	fr	
69.80	71.63	1.83	1.38	75	1.09	60	ms	fr	
71.63	73.15	1.52	1.31	86	0.94	62	es	fr	
73.15	74.68	1.53	1.26	82	0.76	50	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
74.68	76.20	1.52	1.29	85	0.68	45	ms	fr	
76.20	77.72	1.52	1.15	76	0.79	52	ms	fr	
77.72	79.25	1.53	1.52	99	1.50	98	vs	fr	
79.25	80.77	1.52	1.24	82	0.86	57	vs	fr	
80.77	82.30	1.53	1.36	89	1.20	78	s	fr	
82.30	83.82	1.52	1.19	78	0.78	51	vs	fr	
83.82	85.34	1.52	1.47	97	1.36	89	vs	fr	
85.34	86.87	1.53	1.28	84	0.78	51	vs	fr	
86.87	88.39	1.52	0.73	48	0.00	0	w	fr	
88.39	89.92	1.53	0.51	33	0.00	0	ew	fr	
89.92	91.44	1.52	0.86	57	0.00	0	ew	fr	
91.44	92.96	1.52	0.46	30	0.13	9	w	fr	
92.96	94.49	1.53	0.50	33	0.00	0	ew	fr	
94.49	96.01	1.52	1.28	84	0.44	29	ew	fr	
96.01	97.54	1.53	1.18	77	0.44	29	ms	fr	
97.54	99.06	1.52	1.19	78	0.56	37	ms	fr	
99.06	100.58	1.52	1.27	84	0.64	42	w	fr	
100.58	101.65	1.07	0.47	44	0.00	0	ms	fr	
101.65	103.17	1.52	0.97	64	0.17	11	ms	fr	
103.17	103.63	0.46	0.22	48	0.00	0	s	fr	
103.63	105.16	1.53	0.97	63	0.25	16	ms	fr	
105.16	106.68	1.52	0.81	53	0.20	13	s	fr	
106.68	108.2	1.52	0.76	50	0.20	13	s	fr	
108.20	109.73	1.53	0.70	46	0.00	0	w	fr	
109.73	110.03	0.30	0.05	17	0.00	0	ms	fr	
110.03	111.56	1.53	0.67	44	0.16	10	w	fr	
111.56	112.78	1.22	0.75	61	0.00	0	ms	fr	
112.78	114.30	1.52	1.04	68	0.00	0	ms	fr	
114.30	115.82	1.52	0.58	38	0.20	13	ms	fr	
115.82	117.35	1.53	1.18	77	0.33	22	s	fr	
117.35	118.87	1.52	1.34	88	0.98	64	ms	fr	
118.87	120.40	1.53	1.24	81	0.65	42	s	fr	
120.40	121.92	1.52	1.02	67	0.30	20	ms	fr	
121.92	123.44	1.52	1.05	69	0.15	10	s	fr	
123.44	124.97	1.53	0.97	63	0.11	7	ms	fr	
124.97	126.49	1.52	1.08	71	0.39	26	ms	fr	
126.49	128.02	1.53	0.94	61	0.20	13	w	fr	
128.02	129.54	1.52	0.64	42	0.10	7	ms	fr	
129.54	131.06	1.52	0.95	62	0.26	17	w	fr	
131.06	132.59	1.53	1.37	90	0.29	19	w	fr	
132.59	134.12	1.53	1.00	65	0.33	22	ms	fr	
134.12	135.64	1.52	1.16	76	0.06	4	ms	fr	
135.64	137.16	1.52	1.17	77	0.72	47	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-17

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
33.53	36.58	3.05	2.59	85	G075407	10	0.12	17	158	
36.58	39.62	3.04	2.69	88	G075408	10	0.06	11	90	
39.62	42.67	3.05	2.27	74	G075409	10	0.04	9	215	
					G075410	10	157.00	50600	48400	Standard
80.77	83.40	2.63	2.18	83	G075411	10	1.35	59	423	
83.40	86.15	2.75	1.65	60	G075412	11	11.60	1635	35000	
83.40	86.15	2.75	1.65	60	G075413	11	16.60	1860	46800	Duplicate
86.15	88.39	2.24	1.05	47	G075414	11	43.40	7420	347400	
88.39	91.44	3.05	1.37	45	G075415	11	47.30	16700	214000	
					G075416	11	0.10	16	586	Blank HQ
91.44	92.90	1.46	0.46	32	G075417	11	60.80	28400	2550	
92.90	94.49	1.59	0.50	31	G075418	11	4.36	618	13500	
94.49	96.01	1.52	1.28	84	G075419	11	40.30	8900	14050	
96.01	99.06	3.05	2.37	78	G075420	11	2.40	214	476	
99.06	101.65	2.59	1.74	67	G075421	11	0.47	22	281	

DENSITY LOG

HOLE: OC-11-17

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
22.15				15.7	6.1	1312.5	843.0	2.89	2.80
37.40				15.9	6.1	1295.0	797.5	2.82	2.60
59.10				14.6	6.1	1165.0	740.7	2.76	2.75
85.55				14.6	6.1	1486.4	1065.0	3.52	3.53
120.05				14.8	6.1	1207.4	811.9	2.82	3.05
125.70				14.7	6.1	1251.5	768.0	2.94	2.59

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-17

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.21	
2.00			0.11	
3.00			0.11	
4.00			0.33	
5.00			0.00	
6.00			0.01	
7.00			0.00	
8.00			0.00	
9.00			0.00	
10.00			0.00	
11.00			0.00	
12.00			0.05	
13.00			0.00	
14.00			0.00	
15.00			0.00	
16.00			0.01	
17.00			0.00	
18.00			0.00	
19.00			0.00	
20.00			0.00	
21.00			0.03	
22.00			0.01	
23.00			0.01	
24.00			0.01	
25.00			0.00	
26.00			0.00	
27.00			0.03	
28.00			0.00	
29.00			0.01	
30.00			0.01	
31.00			0.01	
32.00			0.01	
33.00			0.01	
34.00			0.01	
35.00			0.05	
36.00			0.00	
37.00			0.00	
38.00			0.00	
39.00			0.00	
40.00			0.05	
41.00			0.00	
42.00			0.00	
43.00			0.01	
44.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.00	
47.00			0.00	
48.00			0.00	
49.00			0.01	
50.00			0.00	
51.00			0.00	
52.00			0.00	
53.00			0.00	
54.00			0.00	
55.00			0.00	
56.00			0.00	
57.00			0.00	
58.00			0.00	
59.00			0.00	
60.00			0.00	
61.00			0.01	
62.00			0.01	
63.00			0.01	
64.00			0.00	
65.00			0.00	
66.00			0.00	
67.00			0.00	
68.00			0.00	
69.00			0.00	
70.00			0.00	
71.00			0.00	
72.00			0.01	
73.00			0.00	
74.00			0.00	
75.00			0.00	
76.00			0.00	
77.00			0.00	
78.00			0.00	
79.00			0.00	
80.00			0.00	
81.00			0.01	
82.00			0.01	
83.00			0.00	
84.00			0.11	
85.00			0.01	
86.00			0.05	
87.00			0.05	
88.00			0.06	
89.00			0.01	
90.00			0.11	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.15	
92.00			0.03	
93.00			0.01	
94.00			0.48	
95.00			0.06	
96.00			0.03	
97.00			0.01	
98.00			0.01	
99.00			0.00	
100.00			0.00	
101.00			0.01	
102.00			0.00	
103.00			0.06	
104.00			0.08	
105.00			0.05	
106.00			0.08	
107.00			0.05	
108.00			0.03	
109.00			0.05	
110.00			0.03	
111.00			0.05	
112.00			0.00	
113.00			0.03	
114.00			0.01	
115.00			0.01	
116.00			0.01	
117.00			0.01	
118.00			0.01	
119.00			0.00	
120.00			0.01	
121.00			0.01	
122.00			0.01	
123.00			0.01	
124.00			0.01	
125.00			0.00	
126.00			0.03	
127.00			0.01	
128.00			0.01	
129.00			0.01	
130.00			0.00	
131.00			0.01	
132.00			0.01	
133.00			0.01	
134.00			0.01	
135.00			0.01	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	

BOX LOG

HOLE: OC-11-17

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	6.10			
2	6.10	9.60			
3	9.60	12.45			
4	12.45	15.79			
5	15.79	18.70			
6	18.70	22.53			
7	22.53	25.91			
8	25.91	33.10			
9	33.10	36.58			
10	36.58	40.20			
11	40.20	44.00			
12	44.00	47.53			
13	47.53	51.38			
14	51.38	54.98			
15	54.98	58.58			
16	58.58	62.68			
17	62.68	66.33			
18	66.33	69.92			
19	69.92	73.80			
20	73.80	77.58			
21	77.58	81.28			
22	81.28	85.20			
23	85.20	89.60			
24	89.60	95.60			
25	95.60	99.06			
26	99.06	102.70			
27	102.70	105.45			
28	105.45	108.70			
29	108.70	111.90			
30	111.90	122.45			
31	122.45	125.75			
32	125.75	129.54			
33	129.54	133.45			
34	133.45	136.96			
35	136.96	137.16			

RAU PROPERTY

ZONE: OCELOT

SECTION: 10+200E

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
10+200E	10+100N	517213	7127582	763	195.07

HOLE: OC-11-18

CLAIM: YC69280

Contractor: Superior

Drill: _____

Core size: HQ

Casing depth: 13.72 (m) out

Drilling dates: June 10 to 13, 2011

Geology logged by: Gavin Titley

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	195	-50.0	compass	149.35	200.1	-47.2	Ranger
88.39	197.2	-48.0	Ranger	164.59	200.3	-46.6	Ranger
103.63	198.4	-47.7	Ranger	179.83	200.5	-45.9	Ranger
118.87	198.7	-47.6	Ranger	195.07	203.3	-45.6	Ranger

TARGET: Northeastern extension, downdip

SUMMARY

From (m)	To (m)	Interval	Unit	Comments
0.00	13.75	13.75	OVB	
13.75	49.54	35.79	VOL	Leopard unit
49.54	54.05	4.51	SHL	
54.05	66.33	12.28	DOL	Brecciated
66.33	66.85	0.52	MX	
66.85	80.87	14.02	DOL	Brecciated
80.87	81.14	0.27	MX	
81.14	93.14	12.00	DOL	Brecciated
93.14	94.80	1.66	MX	
94.80	101.04	6.24	DOL	Brecciated
101.04	102.09	1.05	MX	
102.09	105.48	3.39	DOL	Brecciated
105.48	106.04	0.56	DOL	Brecciated, mineralized
106.04	195.07	89.03	DOL	Brecciated

SAMPLES

Numbers: G075422 to G075465

Total: 44

Batch: 11, 12

Certificate: WH11115569, WH11115568

COMMENTS

GEOLOGY LOG

HOLE: OC-11-18

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity				Type	Intensity	Type		
0.00	9.14	9.14				OVB																				No recovery
9.14	13.75	4.61				OVB																				Overburden, chunks of mostly DOL ALT LST within dark soil.
																										Dark, green-grey, to brown-grey FG-MG, very weakly CLY ALT, BN VOL resembling the LEP unit. Trace Py MX in lower sub-interval, strong Bi in upper. Divided into two distinct sub-intervals; description follows.
13.75	49.54	35.79				VOL		BN												t				Bi	m	
			13.75	43.40	29.65	VOL		BN																		X Dark, green-grey, FG-MG, BN VOL resembling the LEP unit. Mottled by white calcite.
									FO	35		200												Bi	s	
									FR	30		7														Preferential FR oriented at 25-35° TCA at a density of 5-10/m visible.
																										Brown-grey, FG-MG, moderately CLY ALT, moderately Se ALT, Bleached VOL. Rife with scattered calcite, Py replacing calcite veins. Se seen as silky sheen in core. Core competent to blocky, breaking along CLY ALT regions. LCN marked by 80° intersection with black shale unit.
			43.40	49.54	6.14	VOL		BN	CN								Se	m	f							X A sub preferential FO oriented at 70-90° TCA, occurring at a density of 100-200/m made up of calcite and Py veining as well as Se is visible.
									FO	80		200														
																										Black, FG-MG, weakly DOL ALT, variably BX SHL with trace Py MX. BX weak sBX to mBX. sBX features sparsewhite, MG DOL veins within darker SHL. mBX occurs entirely from 51.65-52.00m and comprises white, sparry DOL shattering the black SHL matrix. It features sub-angular to sub-rounded clasts 1mm-3cm wide. Py occurs in scattered blebs, to chunks up to 2cm wide. Overall, trace Py.
49.54	54.05					SHL		BX					m						t							X
																										Light to dark grey, MG-FG, variably BX, intensely DOL ALT LST with Py MX. BX typically sBX, ranging to cBX in sections. sBX features MG, white DOL intrusions into darker LST host, often isolating dark, sub-angular to sub-rounded clasts up to 5cm in width. MX primarily present as an isolated VN of Py sand accompanied by thick stringers of Py in the surrounding rock on the downhill side. Core competent to rubbly, with distinct zones of increased and decreased competency. Trace Py overall.
54.05	80.09	26.04				DOL	LST	BX					i						t							

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			54.27	56.66	2.39	DOL	LST	BX					i													As general description implies, except without MX and primarily competent.	
																										Dark grey, FG, intensely DOL ALT LST with weak BX and blebs of FG Py MX. BX is sbX similar to that of general description, but with smaller (up to 2cm wide) clasts. Overall, mostly competent, weak Py.	
			56.66	58.15	1.49	DOL	LST	BX					i						w								
			58.15	66.33	8.18	DOL	LST	BX					i													As general description implies	
																										Yellow brown to dark grey, MG-FG, MX BN of Py with chunks of DOL ALT LST. Semi-massive, soft Py sand. Overall, 70% Py.	
			66.33	66.85	0.52	MX			BN				w						70						X	As general description implies, except with greater Py MX. MX occurs as scattered strings up to 3mm thick to nebulous intrusions within DOL ALT LST. Overall, moderately strong Py.	
			66.85	67.63	0.78	DOL	LST	BX					i						ms							As general description implies	
			67.63	80.09	12.46	DOL	LST	BX					i														
80.09	106.04	25.95				DOL	LST	BX					i						s			Gr	t	Sp	f		Light to dark grey, to dull yellow-brown, FG-CG, variably BX, intensely DOL ALT LST fault with intense MX. BX from sBX to tBX, sBX features CG, white sparry DOL intruding into MX LST host. sBX texture is very strong, with CG DOL visible on fracture faces and appearing in areas to overprint MX. tBX features 1mm-2cm wide,m sub-rounded to rounded white DOL clasts within a darker LST/vFG MX? matrix. MX occurs as thick bands of semi-MAS to MAS Py to scattered strings and nebulas of Py or Sp in between the MX bands. Core is competent to rubby, fracturing most notably within Py MX bands and along Gr lined fracture faces overall, strong Py, fair Sp, trace Gr.
			80.09	80.70	0.61	DOL	LST	BX	CN				i														Upper contact of fault gouge made up of MG, intensely DOL ALT LST sand. Orientation unclear/obscured by drill rod ends.
			80.70	83.25	2.55	DOL	LST	BX					i						i								As general description implies as far as lithology and sBX characteristics, features Py MX BN.
			80.87	81.14	0.27	MX			BN																		27cm wide Py MX BN oriented at 70° TCA.
			83.25	83.63	0.38	DOL	LST	BX					i									Gr	s	Sp	i	X	Dark grey to red-brown, FG-MG, Sp and Gr MX, intensely DOL ALT LST. sBX textures strongly overprinted by red-brown Sp and dark grey Gr MX. Overall, intense Sp, strong Gr.
			83.63	93.14	9.51	DOL	LST	BX					i						w								Dark to light grey, MG-CG, sBX, MX intensely DOL ALT LST. sBX textures congruent with general description. Py MX seen as scattered strings increasing in thickness downhole. sBX texture also strengthens downhole. Core competent to rubbly.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			93.14	94.80	1.66	MX																				Dull yellow-brown, MG-CG, semi-MAS to MAS Py MX BN oriented at 70° TCA. CG Py MX visible on fracture faces. Overall 70% Py.	
			94.80	96.35	1.55	DOL	LST	BX					i							m						Light to dark grey, MG-FG, sBX, intensely DOL ALT LST with Py MX.	
			96.35	96.81	0.46	MX	DOL		BN	70									60							Dull yellow-brown, MG-FG, semi-MAS Py BN oriented at 70° TCA with moderate DOL ALT. Overall, 60% Py.	
			96.81	101.04	4.23	DOL	LST	BX					i													As general description implies for sBX textured DOL ALT LST, except without noticeable Sp or Gr Mx and with less Py MX. Overall, fair Py occurring mostly as scattered strings up to a 3cm wide BN of semi-MAS Py oriented at 55° TCA.	
			101.04	102.09	1.05	MX													80							Dull yellow-brown, MG-FG, semi-MAS to MAS Py BN oriented at 70° TCA.	
			102.09	105.48	3.39	DOL	LST	BX					i												X	As general description for tBX implies. FG Py and Sp MX seen amidst matrix, possibly constitute a greater portion of the matrix than what is visible to the naked eye? Conservatively: fair Py, trace Sp.	
			105.48	106.04	0.56	DOL	MX	BX					s						f			Gr	t	Sp	ms	Dark grey to dull red-brown, FG-MG, MX, tBX, strongly DOL ALT LST. tBX texture very strong, features 1-3mm clasts of MG white DOL within darker matrix. Sp, Py and Gr MX visible. Sp occurs overprinting entire 2-5cm wide sections of the matrix, whilst the Py is limited to <1cm occurrences. Overall, moderately strong Sp, fair Py and trace Gr.	
106.04	167.27	61.23				DOL	LST	BX					i													Dark to light grey, MG-FG, varialby BX, intensely DOL ALT LST. BX textures predominantly a weak sBX, strenghtening in isolated regions. sBX is defined by a MG, white Dol intruding and shattering surrounding darker grey LST. Weak sBX features 1-5mm strings of DOL scattered throughout LST, whilst stronger sBX is predominantly white DOL flecked by darker LST. Core is competent to rubbly, predominantly rubbly in the first sub-interval, and competent in the second.	
			106.04	135.23	29.19	DOL	LST	BX					i													As general description implies, except primarily rubbly.	
			135.23	167.27	32.04	DOL	LST	BX					i													As general description implies, except almost entirely competent, predominantly a stronger BX texture.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
167.27	173.08	5.81				DOL	LST	BX					i					MBL	s							Dark to light grey, MG-FG, weakly BX, strongly MBL ALT, intensely DOL ALT LST. BX textures predominantly a weak sBX, with sparry white intrusions up to 1cm wide widely spaced apart . Sugary MBL textures and banding visible. Core is very competent.	
									BN	65		16														MBL BN oriented at 60-70° TCA at a density of 12 20/m	
173.08	193.24	20.16				DOL	LST	BX					i					MBL	m							Med to dark and light grey, F-MG, BX, moderately MBL ALT, intensely DOL ALT LST. Weak sBX textures featuring MG white DOL intrusions into medium grey MBL ALT LST with dark LST strings spiderwebbing the area in between, MBL sheen is visible on much of the core. Core is competent to rubbly.	
									FR	40		3														A preferential fracturing oriented at 35-45° TCA is visible throughout at an average density of 2-5/m	
		EOH																								EOH, targeted zone passed	

GEOTECHNICAL LOG

HOLE: OC-11-18

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
9.14	10.06	0.92	0.20	22	0.00	0	ew	ew	
10.06	10.97	0.91	0.26	29	0.00	0	ew	ew	
10.97	12.19	1.22	0.53	43	0.00	0	ew	hw	
12.19	13.72	1.53	1.19	78	0.00	0	ew	mw	
13.72	15.24	1.52	1.14	75	0.14	9	ms	mw	
15.24	16.76	1.52	1.44	95	0.73	48	ms	fr	
16.76	18.29	1.53	1.35	88	0.67	44	s	fr	
18.29	19.51	1.22	1.00	82	0.89	73	ms	fr	
19.51	20.12	0.61	0.61	100	0.20	33	ms	fr	
20.12	21.34	1.22	1.00	82	0.58	48	ms	fr	
21.34	22.86	1.52	1.52	100	1.42	93	w	fr	
22.86	24.38	1.52	1.37	90	0.90	59	ms	fr	
24.38	25.91	1.53	1.52	99	1.06	69	ms	fr	
25.91	27.43	1.52	1.21	80	0.70	46	s	fr	
27.43	28.96	1.53	1.35	88	0.40	26	vs	fr	
28.96	30.48	1.52	1.52	100	1.36	89	vs	fr	
30.48	32.00	1.52	1.43	94	1.00	66	ms	fr	
32.00	33.53	1.53	1.37	90	1.18	77	s	fr	
33.53	35.05	1.52	1.52	100	1.52	100	w	fr	
35.05	36.58	1.53	1.29	84	1.00	65	vs	fr	
36.58	38.10	1.52	1.52	100	1.00	66	vs	fr	
38.10	39.62	1.52	1.42	93	1.33	88	vs	fr	
39.62	41.15	1.53	1.52	99	0.75	49	vs	fr	
41.15	42.67	1.52	1.42	93	0.72	47	vs	fr	
42.67	44.20	1.53	1.28	84	0.87	57	ms	fr	
44.20	45.72	1.52	1.16	76	0.89	59	w	fr	
45.72	47.24	1.52	1.51	99	0.75	49	ms	fr	
47.24	48.77	1.53	1.00	65	0.00	0	s	fr	
48.77	50.29	1.52	1.44	95	0.82	54	w	fr	
50.29	51.82	1.53	1.31	86	0.23	15	w	fr	
51.82	53.34	1.52	1.51	99	1.12	74	ms	fr	
53.34	54.86	1.52	1.26	83	0.60	39	s	fr	
54.86	56.39	1.53	1.40	92	0.51	33	ms	fr	
56.39	57.91	1.52	1.10	72	0.13	9	w	fr	
57.91	59.45	1.54	1.00	65	0.50	32	w	fr	
59.45	60.96	1.51	0.64	42	0.00	0	vw	fr	
60.96	62.03	1.07	0.80	75	0.21	20	w	fr	
62.03	63.55	1.52	0.81	53	0.00	0	w	fr	
63.55	64.01	0.46	0.33	72	0.00	0	w	fr	
64.01	65.53	1.52	1.00	66	0.00	0	w	fr	
65.53	67.06	1.53	1.24	81	0.00	0	w	fr	
67.06	68.58	1.52	1.30	86	0.43	28	ms	fr	
68.58	70.10	1.52	1.14	75	0.66	43	ms	fr	
70.10	71.63	1.53	1.28	84	0.78	51	ms	fr	
71.63	73.15	1.52	1.42	93	1.34	88	ms	fr	
73.15	74.68	1.53	1.28	84	0.86	56	s	fr	
74.68	76.20	1.52	1.24	82	0.87	57	s	fr	
76.20	77.72	1.52	1.42	93	1.04	68	ms	fr	
77.72	79.25	1.53	1.30	85	0.69	45	ms	fr	
79.25	80.77	1.52	1.09	72	0.46	30	w	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
80.77	82.30	1.53	0.84	55	0.53	35	vw	fr	
82.30	83.82	1.52	1.10	72	0.39	26	vw	fr	
83.82	85.34	1.52	1.21	80	0.61	40	w	fr	
85.34	86.87	1.53	1.17	76	0.21	14	w	fr	
86.87	88.39	1.52	1.10	72	0.60	39	w	fr	
88.39	89.92	1.53	1.14	75	0.14	9	w	fr	
89.92	91.44	1.52	1.28	84	0.37	24	w	fr	
91.44	92.96	1.52	1.42	93	1.12	74	w	fr	
92.96	94.49	1.53	0.87	57	0.44	29	w	fr	
94.49	96.01	1.52	1.07	70	0.40	26	w	fr	
96.01	97.54	1.53	1.20	78	0.74	48	ms	fr	
97.54	99.06	1.52	1.47	97	1.04	68	ms	fr	
99.06	100.58	1.52	1.34	88	0.90	59	ms	fr	
100.58	102.11	1.53	1.20	78	0.13	8	ms	fr	
102.11	103.63	1.52	1.25	82	0.57	38	ms	fr	
103.63	105.16	1.53	1.46	95	0.75	49	s	fr	
105.16	106.68	1.52	1.02	67	0.00	0	w	fr	
106.68	108.20	1.52	1.25	82	0.30	20	w	fr	
108.20	109.73	1.53	1.08	71	0.13	8	w	fr	
109.73	111.25	1.52	1.25	82	0.00	0	w	fr	
111.25	112.78	1.53	1.26	82	0.24	16	s	fr	
112.78	114.30	1.52	1.15	76	0.15	10	s	fr	
114.30	115.82	1.52	1.17	77	0.50	33	vs	fr	
115.82	117.35	1.53	1.17	76	0.13	8	s	fr	
117.35	118.87	1.52	1.19	78	0.11	7	s	fr	
118.87	120.40	1.53	1.37	90	0.00	0	w	fr	
120.40	121.92	1.52	1.26	83	0.50	33	s	fr	
121.92	123.44	1.52	1.34	88	0.69	45	ms	fr	
123.44	124.97	1.53	1.15	75	0.12	8	ms	fr	
124.97	126.49	1.52	1.32	87	0.69	45	s	fr	
126.49	128.02	1.53	1.17	76	0.11	7	ms	fr	
128.02	129.54	1.52	1.30	86	0.29	19	ms	fr	
129.54	131.06	1.52	1.25	82	0.00	0	ms	fr	
131.06	132.59	1.53	1.36	89	0.00	0	w	fr	
132.59	134.11	1.52	0.72	47	0.00	0	w	fr	
134.11	135.64	1.53	1.00	65	0.25	16	ms	fr	
135.64	137.16	1.52	1.30	86	0.67	44	vs	fr	
137.16	138.68	1.52	1.36	89	0.90	59	vs	fr	
138.68	140.21	1.53	1.21	79	0.46	30	ms	fr	
140.21	141.73	1.52	1.40	92	0.90	59	s	fr	
141.73	143.26	1.53	1.45	95	1.36	89	vs	fr	
143.26	144.78	1.52	1.37	90	0.66	43	vs	fr	
144.78	146.30	1.52	1.21	80	0.30	20	vs	fr	
146.30	147.83	1.53	1.52	99	1.52	99	vs	fr	
147.83	149.35	1.52	1.43	94	1.16	76	vs	fr	
149.35	150.87	1.52	1.52	100	1.52	100	vs	fr	
150.87	152.40	1.53	1.46	95	1.46	95	vs	fr	
152.40	153.92	1.52	1.52	100	1.52	100	s	fr	
153.92	155.45	1.53	1.53	100	1.53	100	s	fr	
155.45	156.97	1.52	1.52	100	1.53	101	vs	fr	
156.97	158.49	1.52	1.52	100	1.52	100	vs	fr	
158.49	160.02	1.53	1.40	92	1.00	65	vs	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
160.02	161.54	1.52	1.16	76	0.45	30	vs	fr	
161.54	163.07	1.53	1.53	100	1.25	82	s	fr	
163.07	164.59	1.52	1.44	95	1.22	80	vs	fr	
164.59	166.12	1.53	1.49	97	1.35	88	vs	fr	
166.12	167.69	1.57	1.29	82	0.51	32	s	fr	
167.69	169.16	1.47	1.43	97	1.08	73	vs	fr	
169.16	170.69	1.53	1.53	100	1.37	90	vs	fr	
170.69	172.21	1.52	1.21	80	1.21	80	vs	fr	
172.21	173.74	1.53	1.42	93	1.42	93	vs	fr	
173.74	175.26	1.52	1.33	88	1.14	75	es	fr	
175.26	176.78	1.52	1.52	100	1.31	86	vs	fr	
176.78	177.24	0.46	0.43	93	0.43	93	vs	fr	
177.24	178.68	1.44	1.52	106	1.33	92	vs	fr	
178.68	181.36	2.68	1.52	57	1.52	57	vs	fr	
181.36	182.88	1.52	1.33	88	1.33	88	vs	fr	
182.88	184.40	1.52	1.50	99	1.50	99	s	fr	
184.40	185.93	1.53	1.36	89	0.87	57	ms	fr	
185.93	187.45	1.52	1.40	92	0.10	7	w	fr	
187.45	188.98	1.53	1.09	71	0.37	24	w	fr	
188.98	190.50	1.52	1.15	76	0.76	50	w	fr	
190.50	192.02	1.52	0.78	51	0.27	18	w	fr	
192.02	193.55	1.53	0.88	58	0.15	10	w	fr	
193.55	195.07	1.52	1.01	66	0.46	30	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-18

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
39.62	42.67	3.05	2.97	97	G075422	11	0.04	4	136	
42.67	45.72	3.05	2.44	80	G075423	11	0.05	5	545	
45.72	47.24	1.52	1.51	99	G075424	11	0.07	6	196	
47.24	49.54	2.30	1.76	77	G075425	11	0.02	5	144	
49.54	51.82	2.28	1.99	87	G075426	11	0.26	22	239	
51.82	54.05	2.23	2.19	98	G075427	11	0.29	21	126	
					G075428	11	143.00	48100	47700	Standard OC-4
54.05	56.39	2.34	1.98	85	G075429	11	0.42	19	90	
56.39	59.45	3.06	2.20	72	G075430	11	0.77	36	296	
59.45	60.96	1.51	0.64	42	G075431	11	2.09	246	368	
60.96	62.03	1.07	0.80	75	G075432	11	0.05	10	61	
62.03	64.01	1.98	1.14	58	G075433	11	0.06	13	68	
64.01	66.33	2.32	1.72	74	G075434	11	0.30	37	159	
66.33	67.51	1.18	0.87	74	G075435	11	20.80	7560	4340	
67.51	70.10	2.59	2.09	81	G075436	11	0.58	55	2370	
70.10	71.63	1.53	1.28	84	G075437	11	0.05	11	36	
71.63	74.68	3.05	2.70	89	G075438	11	0.02	3	29	
74.68	77.72	3.04	2.66	88	G075439	11	0.04	5	36	
77.72	80.70	2.98	2.39	80	G075440	11	21.50	947	658	
80.70	81.94	1.24	0.61	49	G075441	11	231.00	29600	6970	
81.94	83.17	1.23	0.85	69	G075442	11	908.00	19150	11950	
83.17	83.70	0.53	0.50	94	G075443	11	818.00	90700	264000	
					G075444	11	0.31	20	69	Blank HQ
83.70	85.34	1.64	1.36	83	G075445	11	237.00	894	1040	
					G075446	11	659.00	18350	26500	Standard OC-1
85.34	86.87	1.53	1.17	76	G075447	11	0.46	61	143	
86.87	89.92	3.05	2.24	73	G075448	12	1.02	177	627	
89.92	92.46	2.54	2.70	106	G075449	12	0.24	16	153	
92.46	93.11	0.65	0.22	34	G075450	12	1470.00	11650	6630	
93.11	94.89	1.78	0.91	51	G075451	12	93.30	11100	2560	
94.89	96.11	1.22	0.72	59	G075452	12	2.12	167	397	
96.11	97.00	0.89	0.58	65	G075453	12	4.92	174	498	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
97.00	99.97	2.97	2.11	71	G075454	12	3.58	500	179	
99.97	101.04	1.07	0.83	78	G075455	12	4.64	69	236	
101.04	102.07	1.03	0.85	83	G075456	12	11.30	189	301	
102.07	102.57	0.50	0.49	98	G075457	12	3.87	88	78	
					G075458	12	0.08	2	16	Blank HQ
102.57	103.63	1.06	0.75	71	G075459	12	1.05	26	1010	
103.63	105.50	1.87	1.44	77	G075460	12	1.51	102	4120	
105.50	106.75	1.25	0.96	77	G075461	12	48.30	4550	146500	
106.75	109.73	2.98	2.09	70	G075462	12	0.06	3	93	
131.04	132.59	1.55	1.36	88	G075463	12	0.05	3	60	
165.44	167.27	1.83	1.69	92	G075464	12	0.17	9	93	
					G075465	12	67.30	18750	19450	Standard OC-5

DENSITY LOG

HOLE: OC-11-18

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
29.95				14.6	6.1	1216.8	792.2	2.88	2.87
44.55				14.9	6.1	1272.1	838.2	2.95	2.93
53.25				14.3	6.1	1473.2	742.9	3.56	2.02
72.95				14.3	6.1	1224.5	790.5	2.96	2.82
96.30				14.9	6.1	1245.5	819.2	2.89	2.92
105.11				14.8	6.1	1152.0	753.5	2.69	2.89
172.21				14.4	6.1	1171.2	740.5	2.81	2.72
152.40				14.5	6.1	1199.5	773.9	2.86	2.82
183.63				14.7	6.1	1214.5	784.5	2.86	2.82

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-18

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
10.00			0.01	
11.00			0.05	
12.00			0.01	
13.00			0.03	
14.00			0.6	
15.00			0.35	
16.00			0.6	
17.00			0.73	
18.00			0.45	
19.00			0.58	
20.00			0.75	
21.00			0.7	
22.00			0.52	
23.00			0.55	
24.00			0.55	
25.00			0.6	
26.00			0.52	
27.00			0.6	
28.00			0.68	
29.00			0.63	
30.00			0.67	
31.00			0.58	
32.00			0.62	
33.00			0.72	
34.00			0.62	
35.00			0.68	
36.00			0.63	
37.00			0.63	
38.00			0.63	
39.00			0.67	
40.00			0.68	
41.00			0.63	
42.00			0.62	
43.00			0.6	
44.00			0.1	
45.00			0.15	
46.00			0.13	
47.00			0.21	
48.00			0.1	
49.00			0.03	
50.00			0.01	
51.00			0.01	
52.00			0.01	
53.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
54.00			0.01	
55.00			0.01	
56.00			0.01	
57.00			0.01	
58.00			0.01	
59.00			0.03	
60.00			0.00	
61.00			0.00	
62.00			0.03	
63.00			0.01	
64.00			0.01	
65.00			0.00	
66.00			0.06	
67.00			0.06	
68.00			0.03	
69.00			0.01	
70.00			0.00	
71.00			0.01	
72.00			0.00	
73.00			0.01	
74.00			0.01	
75.00			0.01	
76.00			0.00	
77.00			0.06	
78.00			0.05	
79.00			0.03	
80.00			0.03	
81.00			0.06	
82.00			0.06	
83.00			0.06	
84.00			0.05	
85.00			0.48	
86.00			0.03	
87.00			0.05	
88.00			0.03	
89.00			0.06	
90.00			0.00	
91.00			0.00	
92.00			0.08	
93.00			0.01	
94.00			0.06	
95.00			0.06	
96.00			0.01	
97.00			0.01	
98.00			0.01	
99.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
100.00			0.05	
101.00			0.06	
102.00			0.03	
103.00			0.11	
104.00			0.11	
105.00			0.06	
106.00			0.06	
107.00			0.08	
108.00			0.01	
109.00			0.01	
110.00			N/A	
111.00			0.01	
112.00			0.00	
113.00			0.01	
114.00			0.01	
115.00			0.01	
116.00			0.01	
117.00			0.00	
118.00			0.01	
119.00			N/A	
120.00			0.01	
121.00			0.01	
122.00			0.01	
123.00			0.00	
124.00			0.00	
125.00			0.01	
126.00			0.01	
127.00			0.01	
128.00			N/A	
129.00			0.01	
130.00			0.03	
131.00			0.01	
132.00			0.00	
133.00			0.01	
134.00			0.01	
135.00			0.01	
136.00			0.01	
137.00			0.01	
138.00			0.00	
139.00			0.01	
140.00			0.01	
141.00			0.01	
142.00			0.03	
143.00			0.01	
144.00			0.03	
145.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
146.00			0.01	
147.00			0.01	
148.00			0.03	
149.00			0.01	
150.00			0.01	
151.00			0.03	
152.00			0.01	
153.00			0.01	
154.00			0.03	
155.00			0.03	
156.00			0.01	
157.00			0.01	
158.00			0.03	
159.00			0.01	
160.00			0.01	
161.00			0.01	
162.00			0.01	
163.00			0.05	
164.00			0.03	
165.00			0.01	
166.00			0.01	
167.00			0.01	
168.00			0.01	
169.00			0.01	
170.00			0.00	
171.00			0.01	
172.00			0.01	
173.00			0.01	
174.00			0.01	
175.00			0.00	
176.00			0.01	
177.00			0.01	
178.00			0.60	
179.00			0.00	
180.00			0.01	
181.00			0.00	
182.00			0.00	
183.00			0.00	
184.00			0.03	
185.00			0.01	
186.00			0.03	
187.00			0.01	
188.00			0.01	
189.00			0.01	
190.00			0.03	
191.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
192.00			0.01	
193.00			0.01	
194.00			0.01	
195.00			0.16	

BOX LOG

HOLE: OC-11-18

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	9.14	13.72	27	105.55	108.60
2	13.72	17.70	28	108.60	111.60
3	17.70	21.34	29	111.60	114.95
4	21.34	25.28	30	114.95	118.60
5	25.28	29.15	31	118.60	121.65
6	29.15	33.05	32	121.65	124.97
7	33.05	36.09	33	124.97	128.71
8	36.09	40.85	34	128.71	131.89
9	40.85	44.30	35	131.89	135.80
10	44.30	48.10	36	135.80	139.24
11	48.10	51.62	37	139.24	143.26
12	51.62	55.21	38	143.26	147.20
13	55.21	58.25	39	147.20	151.28
14	58.25	62.03	40	151.28	155.45
15	62.03	65.53	41	155.45	158.92
16	65.53	68.90	42	158.92	162.59
17	68.90	72.69	43	162.59	166.46
18	72.69	76.20	44	166.46	170.37
19	76.20	79.89	45	170.37	174.59
20	79.89	83.82	46	174.59	178.68
21	83.82	87.24	47	178.68	182.88
22	87.24	90.24	48	182.88	186.47
23	90.24	94.49	49	186.47	189.74
24	94.49	98.50	50	189.74	193.24
25	98.50	101.60	51	193.24	195.07
26	101.60	105.55			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+975NE	10+050NW	517013	7127426	756	182.88

ZONE: OCELOT

SECTION: 09+975NE

HOLE: OC-11-19

CLAIM: YC69327

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 6.10 (m) out

Drilling dates: June 13 to 16, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	145	-50.0	compass	137.16	152.8	-48.4	Ranger
60.96	150.2	-48.9	Ranger	152.40	151.6	-47.4	Ranger
76.20	150.3	-48.9	Ranger	167.64	152.2	-46.8	Ranger
91.44	151.2	-49.1	Ranger	182.88	153.1	-45.8	Ranger

TARGET: Southwest extension of mineralized structure

[illegible]

SAMPLES
Numbers: G075466 to G075486
Total: <u>21</u>
Batch: <u>12, 13</u>
Certificate: WH11115568, WH11118093

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-19

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other		
																	Type	Intensity			Type	Intensity	Type	Intensity		
0.00	6.10	6.10				OVB																				No recovery
6.10	19.52	13.42				DOL	LST	BX					i				WEA	m								Light to dark grey to rusty orange-red, FG-MG, BX, moderately WEA, intensely DOL ALT LST. BX textures from sBX to tBX. sBX features white, MG, DOL veins within darker LST host. tBX consists of sub-rounded to sub-angular, up to 6cm wide clasts of varyingly grey DOL supported by a darker LST matrix. Weathering manifests itself as rubbly to competent core with rusty orang-red coatings on fracture faces and in the upper portion of the interval, all throughout the core. Weathering decreases with depth, and is absent below 19.52m.
19.52	141.73	122.21				DOL	LST	BX					i				CLE	w	t					Sp	t	Dark to light grey, FG-MG, variably BX, weakly CLY ALT, intensely DOL ALT LST. BX textures generally vary from sBX to tBX and are mostly quite weak. sBX texture features white, MG often sparry DOL intrusions into a darker LST host. sBX generally demonstrates a sub-preferential FO orientation which is most strongly apparent between 28.23 and 32.40m. tBX is characterised by varied grey sub-rounded to sub-angular, up to ()cm large clasts of DOL within darker LST matrix. Core is competent to rubbly, with CLY ALT visible on some fracture faces. Trace Py, trace Sp.
			19.52	37.11	17.59	DOL	LST	BX	FO	20			i													X Sub-preferential sBX FO oriented at 15-25 TCA.
																										As general description implies
			37.11	40.53	3.42	DOL	LST	BX					i													As general description implies, except strongly CLY ALT and primarily rubbly core.
			40.53	55.92	15.39	DOL	LST	BX					i													As general description implies
			55.92	86.29	30.37	DOL	LST	BX					i						t					Sp	t	Dark grey, FG-MG, weakly sBX, intensely DOL ALT LST with trace Py MX. sBX characterised by scattered strings of MG white DOL within dark grey LST host. What MX there is occurs as the occasional replacement of said DOL with Py or Sp. Core is almost entirely competent. LCN defined by a 20° TCA transition into lighter grey sBX DOL ALT LST. Trace Py, trace Sp.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			86.29	97.89	11.60	DOL	LST	BX	CN	80			i													X	Light to pale green-grey, MG-FG, BX, intensely DOL ALT LST. BX textures mostly cBX with some tBX. cBX is characterised by up to 2mm wide dark grey cracks spiderwebbing core. tBX features up to 3cm wide sub-rounded to sub-angular clasts of variable grey supported by a dark grey matrix. Core is generally competent. LCN defined by an abrupt 80° TCA transition to a darker DOL ALT LST. Pale green-grey coating visible on most fracture faces (As Oxide?).
			97.89	141.73	43.84	DOL	LST	BX					i						t			Gr	t	Sp	t		Dark grey, FG-MG, BX weakly CLY ALT, intensely DOL ALT LST fault. BX textures from cBX to sBX. sBX is weak, characterised by white MG DOL veins up to 4mm in width occuring sparsely throughout darker LST host. cBX features dark, MG cracks spiderwebbing a lighter host. Some stronger cBX weakly isolates small, sub-rounded clasts up to 3mm in width. Sections of soft CLY gouge are visible amongst core. Core is rubbly to blocky, with fracture faces exhibiting a chewed texture. A few stringers of orange-red SP are visible at 125.70m accompanied by vFG Py within the BX matrix. Fracture faces near the MX have Gr coating. Elsewhere, little to no MX is visible. Overall, trace Sp, trace Py, trace Gr.
141.73	161.80	20.07				DOL	LST	BX					i														Light to dark grey, FG-MG, intensely DOL ALT LST with BX textures. BX mostly a weak sBX, featuring MG, white DOL veinlets up to 4mm in width occuring intermittently in darker LST host. Core is competent to cloyck and demonstrates a sub-preferential FR orientation.
									FR	25		2															Sub-preferential fracturing orientation at 20-30° TCA at a frequency of 1-3mm
161.80	182.88	21.08				DOL	LST	BX					i														Light to dark grey, MG-FG, moderately MBL ALT, intensely DOL ALT LST with BX textures and MBL banding. BX occurs as weak sBX to cBX and mBX. cBX features intermittent dark grey MG cracks witin core, mBX is characterised by isolation of light grey LST, sub-angular to sub-rounded clasts whorled and loosely rearranged by the 'cracking' (cBX) of the core. MG, sugary MBL sheen visible loosely interbanded with LST and DOL.
									BN	35																	MBL banding at 30-40° TCA. Bands are up to 3cm wide, but generally <2mm and are most apparent from 171-177m

GEOLOGY LOG

[illegible]

GEOTECHNICAL LOG

HOLE: OC-11-19

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
6.10	6.86	0.76	0.65	86	0.00	0	w	hw	
6.86	8.23	1.37	1.05	77	0.00	0	w	hw	
8.23	9.14	0.91	0.35	38	0.00	0	w	hw	
9.14	10.67	1.53	1.18	77	0.00	0	w	mw	
10.67	12.20	1.53	1.00	65	0.17	11	ms	mw	
12.20	13.72	1.52	0.50	33	0.10	7	ms	mw	
13.72	15.24	1.52	1.05	69	0.50	33	m	mw	
15.24	16.76	1.52	0.82	54	0.41	27	ms	sw	
16.76	18.29	1.53	0.80	52	0.10	7	ms	sw	
18.29	19.81	1.52	1.46	96	1.33	88	s	sw	
19.81	21.34	1.53	1.27	83	1.11	73	s	fr	
21.34	22.86	1.52	1.48	97	1.23	81	s	fr	
22.86	24.38	1.52	1.34	88	0.87	57	ms	fr	
24.38	25.91	1.53	1.10	72	0.50	33	ms	fr	
25.91	27.43	1.52	1.20	79	0.42	28	ms	fr	
27.43	28.96	1.53	1.36	89	0.82	54	ms	fr	
28.96	30.47	1.51	1.36	90	0.45	30	ms	fr	
30.47	32.00	1.53	1.46	95	0.60	39	ms	fr	
32.00	33.53	1.53	1.31	86	0.40	26	ms	fr	
33.53	35.05	1.52	1.35	89	1.10	72	ms	fr	
35.05	36.58	1.53	1.39	91	0.95	62	ms	fr	
36.58	38.10	1.52	1.42	93	0.78	51	ms	fr	
38.10	39.62	1.52	1.19	78	0.71	47	w	fr	
39.62	41.15	1.53	1.08	71	0.40	26	w	fr	
41.15	42.67	1.52	1.37	90	1.11	73	w	fr	
42.67	44.20	1.53	1.33	87	0.75	49	ms	fr	
44.20	45.72	1.52	1.34	88	0.67	44	ms	fr	
45.72	47.24	1.52	1.40	92	0.96	63	ms	fr	
47.24	48.77	1.53	1.41	92	0.86	56	ms	fr	
48.77	50.29	1.52	1.33	88	0.71	47	ms	fr	
50.29	51.82	1.53	1.35	88	1.12	73	ms	fr	
51.82	53.34	1.52	1.47	97	0.80	53	ms	fr	
53.34	54.86	1.52	1.35	89	1.10	72	ms	fr	
54.86	56.39	1.53	1.42	93	0.73	48	ms	fr	
56.39	57.91	1.52	1.40	92	0.53	35	ms	fr	
57.91	59.44	1.53	1.36	89	0.10	7	ms	fr	
59.44	60.96	1.52	1.21	80	0.54	36	ms	fr	
60.96	62.48	1.52	1.40	92	0.96	63	ms	fr	
62.48	64.01	1.53	1.29	84	0.75	49	s	fr	
64.01	65.53	1.52	1.16	76	0.46	30	s	fr	
65.53	67.06	1.53	1.25	82	0.43	28	ms	fr	
67.06	68.58	1.52	1.49	98	0.76	50	ms	fr	
68.58	70.10	1.52	1.34	88	1.00	66	ms	fr	
70.10	71.63	1.53	1.54	101	1.39	91	ms	fr	
71.63	73.15	1.52	1.36	89	1.20	79	vs	fr	
73.15	74.68	1.53	1.42	93	0.42	27	s	fr	
74.68	76.20	1.52	1.23	81	0.38	25	vs	fr	
76.20	77.72	1.52	1.31	86	0.84	55	s	fr	
77.72	79.25	1.53	1.22	80	0.92	60	vs	fr	
79.25	80.77	1.52	1.27	84	0.62	41	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
80.77	82.30	1.53	1.24	81	0.32	21	s	fr	
82.30	83.82	1.52	1.42	93	0.91	60	vs	fr	
83.82	85.34	1.52	1.35	89	0.95	62	vs	fr	
85.34	86.87	1.53	1.45	95	0.67	44	vs	fr	
86.87	88.39	1.52	1.24	82	0.73	48	ms	fr	
88.39	89.92	1.53	1.40	92	1.03	67	ms	fr	
89.92	91.44	1.52	1.32	87	0.93	61	ms	fr	
91.44	92.96	1.52	1.53	101	0.96	63	s	fr	
92.96	94.49	1.53	1.39	91	0.87	57	s	fr	
94.49	96.01	1.52	1.42	93	0.80	53	ms	fr	
96.01	97.54	1.53	1.27	83	0.42	27	ms	fr	
97.54	99.06	1.52	1.22	80	0.58	38	ms	fr	
99.06	100.58	1.52	1.11	73	0.24	16	ms	fr	
100.58	102.11	1.53	1.32	86	0.53	35	ms	fr	
102.11	103.63	1.52	0.87	57	0.00	0	ms	fr	
103.63	105.16	1.53	1.12	73	0.25	16	ms	fr	
105.16	106.68	1.52	0.69	45	0.00	0	ms	fr	
106.68	108.20	1.52	1.07	70	0.10	7	w	fr	
108.20	109.73	1.53	0.93	61	0.00	0	w	fr	
109.73	111.25	1.52	1.02	67	0.00	0	w	fr	
111.25	112.78	1.53	1.20	78	0.32	21	ms	fr	
112.78	114.30	1.52	1.08	71	0.52	34	ms	fr	
114.30	115.82	1.52	1.07	70	0.00	0	ms	fr	
115.82	117.35	1.53	1.05	69	0.50	33	vw	fr	
117.35	118.87	1.52	0.98	64	0.42	28	ms	fr	
120.39	121.92	1.53	0.97	63	0.39	25	fs	fr	
121.92	123.44	1.52	1.15	76	0.12	8	w	fr	
123.44	124.97	1.53	1.20	78	0.00	0	w	fr	
124.97	126.49	1.52	1.25	82	0.11	7	vw	fr	
126.49	128.02	1.53	0.55	36	0.10	7	vw	fr	
128.02	129.54	1.52	0.97	64	0.00	0	vw	fr	
129.54	131.06	1.52	1.15	76	0.00	0	vw	fr	
131.06	132.59	1.53	0.90	59	0.25	16	w	fr	
132.59	134.11	1.52	1.15	76	0.20	13	w	fr	
134.11	135.64	1.53	1.10	72	0.00	0	w	fr	
135.64	137.16	1.52	1.30	86	0.40	26	ms	fr	
137.16	138.68	1.52	1.20	79	0.00	0	w	fr	
138.68	140.21	1.53	1.20	78	0.00	0	w	fr	
140.21	141.73	1.52	1.55	102	0.23	15	ms	fr	
141.73	143.26	1.53	1.37	90	0.56	37	ms	fr	
143.26	144.78	1.52	1.32	87	0.30	20	vs	fr	
144.78	146.30	1.52	1.25	82	0.49	32	ms	fr	
146.30	147.83	1.53	1.37	90	0.44	29	s	fr	
147.83	149.35	1.52	1.36	89	0.40	26	s	fr	
149.35	150.88	1.53	1.21	79	0.00	0	s	fr	
150.88	152.40	1.52	1.44	95	0.00	0	vs	fr	
152.40	153.92	1.52	1.45	95	0.24	16	s	fr	
153.92	155.45	1.53	1.19	78	0.13	8	s	fr	
155.45	156.97	1.52	1.13	74	0.24	16	ms	fr	
156.97	158.50	1.53	1.19	78	0.30	20	s	fr	
158.50	160.02	1.52	1.42	93	0.00	0	s	fr	
160.02	161.54	1.52	1.37	90	0.21	14	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
161.54	163.07	1.53	1.38	90	0.00	0	s	fr	
163.07	164.59	1.52	1.23	81	0.77	51	s	fr	
164.59	166.12	1.53	1.39	91	0.92	60	vs	fr	
166.12	167.64	1.52	1.17	77	0.59	39	vs	fr	
167.64	169.16	1.52	1.31	86	0.73	48	ms	fr	
169.16	170.69	1.53	1.18	77	0.12	8	s	fr	
170.69	171.45	0.76	0.76	100	0.34	45	vs	fr	
171.45	173.74	2.29	2.10	92	1.75	76	vs	fr	
173.74	174.35	0.61	0.61	100	0.47	77	vs	fr	
174.35	175.87	1.52	1.38	91	0.72	47	vs	fr	
175.87	176.78	0.91	0.75	82	0.70	77	vs	fr	
176.78	179.83	3.05	1.75	57	0.47	15	vs	fr	
179.83	181.05	1.22	1.10	90	0.00	0	vs	fr	
181.05	182.88	1.83	1.60	87	0.63	34	s	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-19

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
96.01	97.89	1.88	1.27	68	G075466	12	0.05	5	406	
97.89	100.58	2.69	2.33	87	G075467	12	0.55	29	999	
100.58	103.63	3.05	2.29	75	G075468	12	0.05	9	234	
103.63	106.68	3.05	1.81	59	G075469	12	0.05	4	88	
106.68	109.73	3.05	2.00	66	G075470	12	0.06	8	195	
109.73	112.78	3.05	2.22	73	G075471	12	0.06	5	543	
112.78	115.84	3.06	2.15	70	G075472	12	0.04	4	630	
115.84	118.87	3.03	2.03	67	G075473	12	0.13	8	754	
118.87	121.92	3.05	1.95	64	G075474	12	0.45	10	872	
121.92	124.97	3.05	2.35	77	G075475	12	0.07	3	200	
124.97	126.49	1.52	1.25	82	G075476	12	2.10	101	1650	
126.49	129.54	3.05	1.52	50	G075477	12	0.29	27	129	
126.49	129.54	3.05	1.52	50	G075478	12	0.27	19	110	Duplicate
129.54	131.06	1.52	1.15	76	G075479	12	0.21	18	64	
131.06	134.11	3.05	2.05	67	G075480	12	0.06	10	41	
134.11	137.16	3.05	2.40	79	G075481	12	0.07	14	50	
					G075482	12	148.00	49200	48700	Standard OC-4
					G075483	12	0.02	2	30	Blank (HQ)
137.16	138.68	1.52	1.20	79	G075484	13	0.05	8	51	
138.68	140.21	1.53	1.20	78	G075485	13	0.06	16	66	
140.21	143.26	3.05	2.92	96	G075486	13	0.04	11	29	

DENSITY LOG

HOLE: OC-11-19

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
23.34				14.5	6.1	1211.1	785.3	2.89	2.84
56.52				14.7	6.1	1203.0	777.0	2.83	2.82
91.95				14.5	6.1	1112.6	762.0	2.65	3.17
136.28				15.0	6.1	1235.4	820.9	2.85	2.98
174.00				14.9	6.1	1207.8	816.0	2.80	3.08

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-19

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
6.00			0.01	
7.00			0.10	
8.00			0.15	
9.00			0.03	
10.00			0.06	
11.00			0.28	
12.00			0.16	
13.00			0.03	
14.00			0.03	
15.00			0.03	
16.00			0.06	
17.00			0.00	
18.00			0.01	
19.00			0.03	
20.00			0.01	
21.00			0.03	
22.00			0.01	
23.00			0.01	
24.00			0.01	
25.00			0.01	
26.00			0.03	
27.00			0.03	
28.00			0.06	
29.00			0.03	
30.00			0.01	
31.00			0.00	
32.00			0.01	
33.00			0.01	
34.00			0.01	
35.00			0.00	
36.00			0.00	
37.00			0.01	
38.00			0.00	
39.00			0.03	
40.00			0.00	
41.00			0.00	
42.00			0.00	
43.00			0.01	
44.00			0.01	
45.00			0.03	
46.00			0.03	
47.00			0.01	
48.00			0.03	
49.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
50.00			0.03	
51.00			0.03	
52.00			0.03	
53.00			0.01	
54.00			0.05	
55.00			0.06	
56.00			0.05	
57.00			0.01	
58.00			0.08	
59.00			0.03	
60.00			0.03	
61.00			0.30	
62.00			0.01	
63.00			0.01	
64.00			0.01	
65.00			0.03	
66.00			0.05	
67.00			0.01	
68.00			0.01	
69.00			0.01	
70.00			0.01	
71.00			0.01	
72.00			0.01	
73.00			0.01	
74.00			0.01	
75.00			0.01	
76.00			0.01	
77.00			0.03	
78.00			0.01	
79.00			0.03	
80.00			0.05	
81.00			0.03	
82.00			0.03	
83.00			0.03	
84.00			0.03	
85.00			0.01	
86.00			0.01	
87.00			0.01	
88.00			0.01	
89.00			0.01	
90.00			0.01	
91.00			0.01	
92.00			0.01	
93.00			0.01	
94.00			0.01	
95.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
96.00			0.13	
97.00			0.01	
98.00			0.03	
99.00			0.03	
100.00			0.03	
101.00			0.01	
102.00			0.01	
103.00			0.01	
104.00			0.01	
105.00			0.03	
106.00			0.03	
107.00			0.03	
108.00			0.03	
109.00			0.05	
110.00			0.15	
111.00			0.01	
112.00			0.08	
113.00			0.03	
114.00			0.11	
115.00			0.01	
116.00			0.03	
117.00			0.10	
118.00			0.05	
119.00			0.06	
120.00			0.11	
121.00			0.05	
122.00			0.05	
123.00			0.18	
124.00			0.05	
125.00			0.06	
126.00			0.01	
127.00			0.08	
128.00			0.00	
129.00			0.01	
130.00			0.00	
131.00			0.03	
132.00			0.28	
133.00			0.05	
134.00			0.10	
135.00			0.00	
136.00			0.00	
137.00			0.03	
138.00			0.01	
139.00			0.01	
140.00			0.05	
141.00			0.05	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
142.00			0.05	
143.00			0.06	
144.00			0.05	
145.00			0.08	
146.00			0.03	
147.00			0.00	
148.00			0.01	
149.00			0.03	
150.00			0.01	
151.00			0.08	
152.00			0.01	
153.00			0.06	
154.00			0.05	
155.00			0.01	
156.00			0.03	
157.00			0.03	
158.00			0.03	
159.00			0.01	
160.00			0.05	
161.00			0.00	
162.00			0.06	
163.00			0.05	
164.00			0.03	
165.00			0.03	
166.00			0.01	
167.00			0.05	
168.00			0.01	
169.00			0.01	
170.00			0.01	
171.00			0.01	
172.00			0.00	
173.00			0.01	
174.00			0.01	
175.00			0.13	
176.00			0.03	
177.00			0.06	
178.00			0.11	
179.00			0.06	
180.00			0.08	
181.00			0.10	
182.00			0.03	

BOX LOG

HOLE: OC-11-19

[illegible]

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+950NE	10+050NW	516999	7127397	752	176.79

ZONE: OCELOT

SECTION: 09+950NE

HOLE: OC-11-20

CLAIM: YC69327

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 3.05 (m) out

Drilling dates: June 17 to 20, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	145	-50.0	compass	115.83	147.5	-47.1	Ranger
39.62	146.0	-49.1	Ranger	131.07	148.0	-47.0	Ranger
70.10	146.2	-48.6	Ranger	161.55	148.4	-44.9	Ranger
85.35	146.7	-48.2	Ranger	176.78	148.7	-44.9	Ranger

TARGET: Southwestern strike extension of structure

[illegible]

SAMPLES
Numbers: G075487 to G075500
I383001 to I383032
Total: 46
Batch: 13, 14
Certificate: WH11118093, WH11126626

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-20

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	0.10	0.10				OVB																				Overburden, roots and black organics.	
0.10	12.40	12.30				DOL	LST	BX					i													Light to dark grey, BX, moderately weathered, intensely DOL ALT LST. BX primarily sBX; features elongated, thin white DOL veinlets interfoliated with darker LST host. Weathering appears as a rusty red-orange coating on fracture faces, core is rubbly to blocky. Weathering decreases with depth and is absent below 12.40m	
12.40	15.24	2.84				DOL	LST	BX	CN				i													Dark to light grey, FG-MG, strongly BX, intensely DOL ALT LST. BX is sBX with a mottled look, MG white DOL with fuzzy edges isolating up to 2cm large sub-rounded darker LST clasts within it. Core is competent and demonstrates a sub-preferential FO of BX textures. LCN is obscured by sand.	
									FO	30																Sub-preferential foliation at 35-45 TCA.	
15.24	17.15	1.91				DOL	MX	BN					w						35			Gn	t	Sp	t		Dark grey to muddy brown FG-CG, weakly DOL ALT LST banded with MX and intermixed with soft muddy sand. Overall, intense Py, fair Gn and trace Sp.
									BN																	Semi-massive to massive MX band of mostly Py with moderately strong Gn and weak Sp. Elongate vugs up to 1.5cm long encompass CG Py or Gn MX. Muddy portion of core contains vFG Py.	
17.15	18.54	1.39				DOL	LST	BX					i						t			Gn	w	Sp	t	X	Light to medium grey, FG-CG, BX, intensely DOL ALT MX LST. BX textures of sBX featuring MG white DOL interfoliated with darker LST. Core is rubbly, with a green grey (AsO?) coating on fracture faces. CG white DOL rhombs accompany Gn and red-brown Sp and pale yellow-grey, pentagonal-dodecahedral Py. Overall, weak Gn, trace Sp, trace Py.
18.54	61.66	43.12				DOL	LST	BX					i						t								Dark grey, FG-MG, sBX, intensely DOL ALT LST. sBX texture generally weak, features sparse MG, white DOL veinlets and small blebs within darker LST. Core is competent to blocky, fracturing sub-preferentially along general BX FO. 7cm wide Py VN at 27.47m is the only source of MX. LCN marked by the boundary between light and dark grey LST.
									FO	25																	Sub-preferential foliation exhibited by BX texture in LST. Oriented at 20-30° TCA.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									FR	25																Sub-preferential FR along FO planes. Green-grey coating evident on fracture faces.	
61.66	80.71	19.05				DOL	LST	BX					i						t			Gn	t	Sp	t	Light grey, FG-MG, cBX, weakly MBL ALT, intensely DOL ALT LST. cBX defined by FG, black micritic matrix crackling of core. Core is mostly competent, fracturing primarily along cBX cracks. MBL sheen is visible on core. Overall, trace Py, trace Gn, trace Sp.	
																										A semi-massive Py VN of indeterminate width at 72m containing CG DOL rhombs as well as red-brown Sp and Gn MX. Recovery of this VN is very poor.	
80.71	98.06	17.35				DOL	LST	BX					i											Gr	t	Dark to light grey, FG-MG, BX, intensely DOL ALT LST fault. BX textures from cBX to mBX, mBX is characterised by the isolation of sub-angular clasts within a dark micritic matrix. Stronger mBX textures are clast supported, but most of mBX and cBX is matrix supported. Core is rubbly to iblocky, often fracturing along Gr lined faces.	
98.06	106.50	8.44				VOL	SER	BN	CN	50							Se	s	t							Pale grey, FG-MG, BLE, BN, weakly DOL ALT, strongly Se ALT VOL. Banding tectures incorporating Se Py and DOL veins occur at 80-90° TCA. Fracturing occurs primarily along the same planes. Py MX is FG, occurs in thin (<1mm wide) veinlets with uniform edges. Overall, trace Py. Core becomes more chalky downhole. LCN marked by 4mm thick Gr band oriented at 50° TCA.	
106.50	122.07	15.57				DOL	LST	BX					i				MBL	w						Gr	t	Light to dark grey, FG-MG, weakly MBL ALT, intensely DOL ALT LST. BX tectures from tBX to cBX. tBX ranges from typical, sub-angular to sub-rounded, 5mm-3cm wide clasts of light grey DOL in dark LST matrix; to a more intense, sub-rounded to rounded <3mm wide dark clasts in marbelised sections. sBX is apparent as veinlets of white, MG DOL in darker, mostly limestone sub interval. cBX dominates downhole, appearing as a network of dar grey, micritic cracks spiderwebbing the DOL host. Core is primarily blocky, demonstrating the most competence in the marbly zone. Trace Gr is present on fracture faces.	
			106.50	109.72		DOL	LST	BX					i													Light grey, FG-MG, tBX, intensely DOL ALT LST. As general description for 'typical' tBX. Trace Gr on fracture faces.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
			109.72	122.06		DOL	MBL	BX					i				MBL	i								X	Light grey, MG-FG, tBX, intensely DOL ALT, intensely MBL ALT LST. tBX features sub-rounded to rounded <3mm wide dark LST clasts within MBL host. Clasts are elongate and bent into 'v' shapes with chewed edges.. Weak MBL banding evident as sections of dark LST up to 2mm thick with wavy edges within MBL. Core is primarily competent. LCN is defined by transition to darker sBX unit at 50° TCA.	
			112.06	114.42		DOL	LST	BX					i															Dark grey, FG-MG, sBX, intensely DOL ALT LST. sBX texture as general description. Core is blocky.
			114.42	119.15		DOL	LST	BX					i															Light grey, FG-MG, cBX, intensely DOL ALT LST. As general description for cBX.
			119.15	120.19		DOL	LST	BX					i															Dark grey, FG-MG, sBX, intensely DOL ALT LST. As general description for sBX.
			120.19	122.06		DOL	LST	BX					i															As general description for cBX
122.06	134.07	12.01				DOL	LST	BX					i				SIL	m	t			Sp	m	Qz	m			Dark grey, MG-CG, BX, moderately Sil ALT, intensely DOL ALT LST with Sp and Gr MX. BX textures from sBX to tBX. sBX featuring sections of thick, white MG-CG DOL with CG DOL rhombs often visible within up to 3mm vugs. This sBX textured section hosts the vast majority of MX within the interval. MX consists of orange-red Sp in semi-massive 1-3cm wide chunks within core, or as stain on core. vFG Py evident within dark matrix surrounding sBX. Gr is apparent on fracture faces within sBX area. tBX type textures range from strong cBX to mBX to weak tBX. Core is competent to blocky, with moderate Qz, moderate Sp, trace Py and trace Gr.
			122.06	123.08		DOL	LST	BX					i															Medium to light grey, moderately sBX, intensely DOL ALT LST with no MX.
			123.08	126.10		DOL	LST	BX					i															As general description for MX sBX implies. Intensely SIL ALT, 30% Sp, intense Qz, weak Gr, trace Py.
			126.10	134.07		DOL	LST	BX					i															As general description for tBX region implies
134.07	176.79	42.72				DOL	MBL	BX					i				SIL	w										Light grey, strongly MBL ALT, weakly SIL ALT, BX, intensely DOL ALT LST. BX tectures feature very small, well rounded clasts of dark LST (<1mm wide in areas) in a tBX like texture that seems to be overprinted and incorporated within other BX textures, from cBX to sBX. MG, sugary MBL tectures are appraent intermittently. Large clasts and banding of wholly dark grey LST are also visible in places, SIL ALT in from of harder grey Qz clasts and later intermingled with DOL.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
176.79						EOH																					

GEOTECHNICAL LOG

HOLE: OC-11-20

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
3.05	4.27	1.22	1.22	100	0.17	14	W	MW	
4.27	5.79	1.52	1.15	76	0.00	0	W	SW	
5.79	7.32	1.53	1.32	86	0.32	21	MS	SW	
7.32	7.77	0.45	0.41	91	0.00	0	S	MW	
7.77	9.14	1.37	1.11	81	0.00	0	MS	MW	
9.14	10.06	0.92	0.33	36	0.15	16	W	MW	
10.06	10.67	0.61	0.50	82	0.00	0	W	MW	
10.67	12.19	1.52	1.02	67	0.53	35	MS	SW	
12.19	13.72	1.53	1.48	97	1.04	68	MS	FR	
13.72	15.24	1.52	0.77	51	0.77	51	S	FR	
15.24	16.76	1.52	1.47	97	0.62	41	W	FR	
16.76	18.29	1.53	1.04	68	0.35	23	VW	FR	
18.29	19.81	1.52	1.52	100	0.82	54	MS	FR	
19.81	21.34	1.53	1.30	85	0.11	7	MS	FR	
21.34	22.86	1.52	1.52	100	0.45	30	MS	FR	
22.86	24.38	1.52	1.44	95	0.70	46	S	FR	
24.38	25.91	1.53	1.28	84	0.12	8	S	FR	
25.91	27.43	1.52	1.20	79	0.56	37	MS	FR	
27.43	28.96	1.53	1.52	99	1.09	71	S	FR	
28.96	30.48	1.52	1.50	99	0.67	44	S	FR	
30.48	32.00	1.52	1.35	89	0.47	31	S	FR	
32.00	33.53	1.53	1.40	92	1.09	71	MS	FR	
33.53	35.05	1.52	1.40	92	0.67	44	S	FR	
35.05	36.58	1.53	1.38	90	0.42	27	MS	FR	
36.58	38.10	1.52	1.25	82	0.33	22	MS	FR	
38.10	39.62	1.52	1.33	88	0.43	28	MS	FR	
39.62	41.15	1.53	1.40	92	0.36	24	MS	FR	
41.15	42.67	1.52	1.39	91	0.55	36	S	FR	
42.67	44.20	1.53	1.30	85	0.55	36	S	FR	
44.20	45.72	1.52	1.15	76	0.58	38	S	FR	
45.72	47.24	1.52	1.50	99	0.96	63	S	FR	
47.24	48.77	1.53	1.33	87	0.86	56	MS	FR	
48.77	50.29	1.52	1.33	88	0.87	57	S	FR	
50.29	51.82	1.53	1.48	97	1.15	75	MS	FR	
51.82	53.34	1.52	1.50	99	1.05	69	S	FR	
53.34	54.86	1.52	1.24	82	0.48	32	S	FR	
54.86	56.39	1.53	1.16	76	0.42	27	S	FR	
56.39	57.91	1.52	1.42	93	0.92	61	MS	FR	
57.91	59.44	1.53	1.36	89	0.97	63	S	FR	
59.44	60.96	1.52	1.14	75	1.04	68	S	FR	
60.96	62.48	1.52	1.22	80	0.60	39	MS	FR	
62.48	64.01	1.53	1.19	78	0.27	18	MS	FR	
64.01	65.53	1.52	1.30	86	1.08	71	MS	FR	
65.53	67.06	1.53	1.24	81	1.12	73	MS	FR	
67.06	68.58	1.52	1.49	98	1.06	70	MS	FR	
68.58	70.10	1.52	1.48	97	1.29	85	S	FR	
70.10	71.63	1.53	1.50	98	1.44	94	MS	FR	
71.63	73.15	1.52	0.41	27	0.17	11	W	FR	
73.15	74.68	1.53	1.30	85	1.00	65	MS	FR	
74.68	76.20	1.52	0.98	64	0.53	35	MW	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.20	79	0.41	27	MS	FR	
77.72	79.25	1.53	0.93	61	0.67	44	S	FR	
79.25	80.77	1.52	1.30	86	0.51	34	MS	FR	
80.77	82.30	1.53	1.15	75	0.70	46	MS	FR	
82.30	83.82	1.52	0.87	57	0.47	31	MW	FR	
83.82	85.34	1.52	0.79	52	0.27	18	MW	FR	
85.34	86.87	1.53	1.15	75	0.65	42	MS	FR	
86.87	88.39	1.52	0.67	44	0.00	0	W	FR	
88.39	89.92	1.53	0.93	61	0.51	33	MW	FR	
89.92	91.44	1.52	1.19	78	0.51	34	MS	FR	
91.44	92.96	1.52	0.90	59	0.23	15	MS	FR	
92.96	94.49	1.53	1.08	71	0.44	29	MW	FR	
94.49	95.10	0.61	0.22	36	0.00	0	MW	FR	
95.10	96.62	1.52	1.00	66	0.53	35	MS	FR	
96.62	97.54	0.92	0.28	30	0.00	0	W	FR	
97.54	97.84	0.30	0.28	93	0.16	53	MW	FR	
97.84	99.36	1.52	0.61	40	0.00	0	W	FR	
99.36	100.58	1.22	0.66	54	0.26	21	w	FR	
100.58	102.11	1.53	1.05	69	0.00	0	ms	FR	
102.11	103.63	1.52	1.03	68	0.12	8	w	FR	
103.63	105.16	1.53	0.98	64	0.36	24	vw	FR	
105.16	106.68	1.52	0.40	26	0.14	9	vw	FR	
106.68	108.20	1.52	1.14	75	0.86	57	vw	FR	
108.20	109.72	1.52	1.29	85	0.65	43	w	FR	
109.72	111.25	1.53	1.30	85	1.00	65	ms	FR	
111.25	112.78	1.53	1.10	72	0.55	36	s	FR	
112.78	114.30	1.52	1.35	89	0.18	12	ms	FR	
114.30	115.82	1.52	0.92	61	0.00	0	w	FR	
115.82	117.35	1.53	1.16	76	0.19	12	ms	FR	
117.35	118.87	1.52	1.28	84	0.40	26	ms	FR	
118.87	120.40	1.53	1.30	85	0.92	60	ms	FR	
120.40	121.92	1.52	1.39	91	0.48	32	ms	FR	
121.92	123.44	1.52	1.02	67	0.69	45	ms	FR	
123.44	124.97	1.53	1.33	87	0.97	63	s	FR	
124.97	126.49	1.52	1.40	92	1.10	72	s	FR	
126.49	128.03	1.54	1.23	80	0.50	32	s	FR	
128.03	129.59	1.56	1.19	76	0.65	42	ms	FR	
129.59	130.76	1.17	1.00	85	0.26	22	s	FR	
130.76	132.28	1.52	1.17	77	0.75	49	vs	FR	
132.28	133.81	1.53	1.36	89	0.87	57	s	FR	
133.81	135.53	1.72	1.33	77	0.47	27	vs	FR	
135.53	136.25	0.72	1.00	139	0.78	108	vs	FR	
136.25	137.16	0.91	0.94	103	0.93	102	vs	FR	
137.16	138.68	1.52	1.53	101	1.33	87	s	FR	
138.68	140.21	1.53	1.44	94	1.34	88	vs	FR	
140.21	141.73	1.52	1.26	83	0.16	11	s	FR	
141.73	143.26	1.53	1.41	92	0.10	7	ms	FR	
143.26	144.78	1.52	1.48	97	0.88	58	ms	FR	
144.78	146.30	1.52	1.40	92	0.60	39	ms	FR	
146.30	147.83	1.53	1.46	95	0.65	42	ms	FR	
147.83	149.35	1.52	1.15	76	0.55	36	ms	FR	
149.35	150.80	1.45	1.50	103	1.03	71	ms	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
150.80	152.40	1.60	1.49	93	1.36	85	ms	FR	
152.40	153.92	1.52	1.52	100	1.45	95	ms	FR	
153.92	155.49	1.57	1.51	96	1.40	89	ms	FR	
155.49	156.97	1.48	1.52	103	1.09	74	ms	FR	
156.97	158.50	1.53	1.40	92	1.30	85	ms	FR	
158.50	160.02	1.52	1.52	100	1.09	72	ms	FR	
160.02	161.54	1.52	1.48	97	0.99	65	ms	FR	
161.54	163.07	1.53	1.53	100	1.49	97	ms	FR	
163.07	164.59	1.52	1.40	92	0.55	36	ms	FR	
164.59	166.12	1.53	1.36	89	0.33	22	ms	FR	
166.12	167.64	1.52	1.47	97	1.16	76	ms	FR	
167.64	169.16	1.52	1.51	99	1.01	66	ms	FR	
169.16	170.69	1.53	1.37	90	0.81	53	ms	FR	
170.69	172.21	1.52	1.34	88	1.12	74	ms	FR	
172.21	173.74	1.53	1.35	88	0.83	54	ms	FR	
173.74	175.26	1.52	1.52	100	1.47	97	vs	FR	
175.26	176.79	1.53	1.50	98	1.50	98	es	FR	
EOH									

SAMPLE LOG

HOLE: OC-11-20

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
12.19	15.24	3.05	1.48	49	G075487	13	0.16	40	1140	
15.24	16.06	0.82	0.90	100	G075488	13	4.97	1110	5150	
16.06	16.78	0.72	0.54	75	G075489	13	59.80	17900	141000	
					G075490	13	0.07	18	171	Blank HQ
16.78	17.44	0.66	0.62	94	G075491	13	24.70	6690	79500	
17.44	18.62	1.18	0.66	56	G075492	13	3.73	312	28000	
18.62	21.34	2.72	2.58	95	G075493	13	0.07	22	807	
					G075494	13	60.60	19200	19600	Standard OC-5
21.34	73.15	51.81	0.41	1	G075495	13	4.41	254	32900	
73.15	82.30	9.15	1.28	14	G075496	13	0.15	16	1060	
82.30	85.34	3.04	1.66	55	G075497	13	0.05	6	389	
85.34	85.34	0.00	1.66		G075498	13	0.05	7	374	Duplicate
85.34	88.39	3.05	1.82	60	G075499	13	0.03	6	212	
88.39	91.44	3.05	2.12	70	G075500	13	0.02	4	196	
91.44	94.49	3.05	1.98	65	I383001	13	0.01	2	282	
94.49	96.62	2.13	1.22	57	I383002	13	0.02	5	442	
96.62	97.54	0.92	0.28	30	I383003	13	0.04	4	144	
97.54	98.06	0.52	0.55	100	I383004	13	0.04	11	291	
					I383005	13	150.00	48500	47000	Standard OC-4
98.06	100.58	2.52	1.84	73	I383006	13	0.10	17	122	
100.58	103.63	3.05	2.08	68	I383007	13	0.05	17	93	
103.63	105.16	1.53	0.98	64	I383008	13	0.03	7	104	
105.16	106.86	1.70	1.09	72	I383009	13	0.12	43	118	
106.86	109.72	2.86	2.62	86	I383010	13	0.06	5	55	
109.72	112.06	2.34	2.12	91	I383011	13	0.01	3	25	
112.06	113.23	1.17	0.85	73	I383012	13	0.01	5	37	
113.23	114.42	1.19	0.92	77	I383013	13	0.01	2	32	
114.42	117.35	2.93	2.08	71	I383014	13	0.01	4	34	
117.35	119.15	1.80	1.59	88	I383015	13	0.03	7	36	
119.15	120.19	1.04	0.90	87	I383016	13	0.10	20	31	
120.19	122.06	1.87	1.89	100	I383017	13	0.06	10	87	
122.06	123.08	1.02	1.00	98	I383018	13	0.15	5	298	

SAMPLE LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
					I383019	13	<0.01	1	19	Blank HQ
123.08	124.76	1.68	1.26	75	I383020	14	91.10	10900	80300	
					I383021	14	0.04	5	41	Blank HQ
124.76	126.10	1.34	1.32	99	I383022	14	42.80	7120	12450	
124.76	126.10	1.34	1.32		I383023	14	37.90	6280	10550	Duplicate
126.10	126.72	0.62	0.47	76	I383024	14	71.50	7470	6080	
126.72	129.00	2.28	1.65	72	I383025	14	0.12	10	186	
129.00	130.13	1.13	1.04	92	I383026	14	0.44	23	164	
130.13	132.29	2.16	1.64	76	I383027	14	0.03	5	40	
132.29	133.22	0.93	0.90	97	I383028	14	0.02	5	42	
133.22	134.09	0.87	0.75	86	I383029	14	0.02	5	55	
134.09	136.25	2.16	1.97	91	I383030	14	0.01	3	18	
					I383031	14	151.00	48100	47300	Standard OC-4
136.25	138.68	2.43	2.25	93	I383032	14	0.01	2	7	

DENSITY LOG

HOLE: OC-11-20

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
17.40				14.6	6.1	1176.4	745.5	2.79	2.73
43.92				14.9	6.1	1227.0	749.5	2.85	2.57
78.25				14.2	6.1	1149.6	779.7	2.80	3.11
100.00				14.6	6.1	1186.0	755.0	2.81	2.75
110.70				14.9	6.1	1218.9	832.7	2.83	3.16
137.00				14.5	6.1	1051.6	624.5	2.51	2.46
158.50				14.4	6.1	1159.5	712.2	2.78	2.59
176.59				14.5	6.1	1143.5	727.3	2.73	2.75

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-20

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
8.00			0.01	
9.00			0.01	
10.00			0.05	
11.00			0.00	
12.00			0.01	
13.00			0.01	
14.00			0.01	
15.00			0.00	
16.00			0.01	
17.00			0.05	
18.00			0.01	
19.00			0.01	
20.00			0.03	
21.00			0.01	
22.00			0.01	
23.00			0.01	
24.00			0.05	
25.00			0.05	
26.00			0.00	
27.00			0.00	
28.00			0.03	
29.00			0.01	
30.00			0.03	
31.00			0.01	
32.00			0.00	
33.00			0.00	
34.00			0.01	
35.00			0.00	
36.00			0.01	
37.00			0.03	
38.00			0.01	
39.00			0.00	
40.00			0.00	
41.00			0.00	
42.00			0.00	
43.00			0.01	
44.00			0.00	
45.00			0.01	
46.00			0.00	
47.00			0.01	
48.00			0.00	
49.00			0.01	
50.00			0.00	
51.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
52.00			0.00	
53.00			0.00	
54.00			0.01	
55.00			0.00	
56.00			0.03	
57.00			0.05	
58.00			0.01	
59.00			0.01	
60.00			0.01	
61.00			0.05	
62.00			0.00	
63.00			0.01	
64.00			0.00	
65.00			0.00	
66.00			0.00	
67.00			0.00	
68.00			0.05	
69.00			0.01	
70.00			0.00	
71.00			0.00	
72.00			0.05	
73.00			0.01	
74.00			0.03	
75.00			0.00	
76.00			0.00	
77.00			0.05	
78.00			0.00	
79.00			0.01	
80.00			0.00	
81.00			0.01	
82.00			0.00	
83.00			0.00	
84.00			0.00	
85.00			0.00	
86.00			0.00	
87.00			0.05	
88.00			0.01	
89.00			0.00	
90.00			0.00	
91.00			0.03	
92.00			0.00	
93.00			0.01	
94.00			0.01	
95.00			0.00	
96.00			0.00	
97.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
98.00			0.00	
99.00			0.01	
100.00			0.03	
101.00			0.01	
102.00			0.05	
103.00			0.01	
104.00			0.06	
105.00			0.10	
106.00			0.21	
107.00			0.01	
108.00			0.00	
109.00			0.01	
110.00			0.03	
111.00			0.00	
112.00			0.05	
113.00			0.01	
114.00			0.00	
115.00			0.01	
116.00			0.00	
117.00			0.01	
118.00			0.00	
119.00			0.01	
120.00			0.01	
121.00			0.01	
122.00			0.01	
123.00			0.01	
124.00			0.00	
125.00			0.01	
126.00			0.01	
127.00			0.01	
128.00			0.01	
129.00			0.00	
130.00			0.01	
131.00			0.00	
132.00			0.01	
133.00			0.00	
134.00			0.01	
135.00			0.01	
136.00			0.00	
137.00			0.01	
138.00			0.01	
139.00			0.01	
140.00			0.01	
141.00			0.00	
142.00			0.00	
143.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
144.00			0.01	
145.00			0.01	
146.00			0.01	
147.00			0.05	
148.00			0.01	
149.00			0.05	
150.00			0.01	
151.00			0.00	
152.00			0.01	
153.00			0.01	
154.00			0.01	
155.00			0.01	
156.00			0.00	
157.00			0.03	
158.00			0.01	
159.00			0.01	
160.00			0.00	
161.00			0.01	
162.00			0.01	
163.00			0.00	
164.00			0.00	
165.00			0.00	
166.00			0.00	
167.00			0.00	
168.00			0.00	
169.00			0.01	
170.00			0.01	
171.00			0.01	
172.00			0.01	
173.00			0.00	
174.00			0.01	
175.00			0.01	
176.00			0.01	

BOX LOG

HOLE: OC-11-20

[illegible]

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+900NE	010+050NW	516959	7127383	753	166.12

ZONE: OCELOT

SECTION: 09+900NE

HOLE: OC-11-21

CLAIM: YC69327

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 4.57 (m) out

Drilling dates: June 21 to 24, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	145	-50.0	compass	120.40	148.1	-48.5	Ranger
59.44	146.5	-48.5	Ranger	135.64	148.7	-48.5	Ranger
74.68	147.2	-48.5	Ranger	150.88	149.3	-47.9	Ranger
89.92	147.5	-48.5	Ranger	166.11	149.8	-47.2	Ranger

TARGET: Southwest strike extension of structure

[illegible]

SAMPLES
Numbers: I383033 to I383047
Total: 16
Batch: 14
Certificate: WH11126626

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-21

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	4.57	4.57				OVB																				No recovery	
4.57	13.89	9.32				DOL	LST	BX					i													Dark grey to rusty orange-red, FG-MG, BX, intensely DOL ALT LST with moderate WEA. WEA is evidenced by rubbly to blocky nature of core, as well as rusty orange-red coatings on fracture faces, coupled with softer rock near the top of the interval. WEA decreases with depth and is no longer evident below 13.89. BX textures are weak sBX.	
13.89	27.11	13.22				DOL	LST	BX					i					MBL	w							Dark grey, FG, BX, intensely DOL ALT LST. Bx texture is a weak sBX featuring white, FG DOL veinlets up to 4mm wide within dark LST host. Core is competent, with grey-green coatings on fracture faces. Trace FG yellow-brown Py is evident in re-healed fractures. LCN marked by 50° TCA transition to lighter, marbly unit	
			15.84	18.40	2.56				BN	30	12							MBL	w							Dark and medium grey LST banding at 25-35° TCA at a density of 10-15/m is evident. The edges of the bands are wavy and sometimes ill defined. Weak MBL texture in banding.	
27.11	65.27	38.16				MBL	DOL	BX					s					LST	i	t						Predominantly light grey, MG-FG, MBL with LST and DOL BX. BX textures mostly cBX with some tBX. cBX is characterised by <1mm wide dark micritic cracks in a host of light MBL. tBX texture is a medium grey, supported by sub-angular to sub-rounded clasts of DOL and Sll up to 2cm large. Sll is seen as harder, medium grey with glassier luster. Core is primarily competent, breaking demonstrating a sub preferential FR. Trace Py in tBX region.	
									BN	30																Thicker (up to 2cm wide) LST bands oriented at 25-35° TCA inhabit the cBX texture.	
			43.00	46.52	3.52				FR	30																Sub-preferential FR orientated at 25-35° TCA.	
									CN											t						tBx textured region as in general description. UCN marked by 2mm thick vFG Py sand.	
65.27	68.44	65.27				VOL	BLE	FO										Se	s	t						Pale green-grey, FG-MG, BLE, FO, strongly Se ALT VOL with trace Py. Core is primarily competent, breaking along FO planes. Py is FG-MG and inhabits often irregular or stepped FO breaks.	
									FO	50																FO texture defined by flaky Se cracks or Py infill oriented at 70° TCA, but steepening up to 30° TCA at the end of the interval.	
									BN																	A more rubbly section is preceeded by a 4cm thick Se band oriented at 30° TCA.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS					Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other			Other	
																	Type	Intensity			Type	Intensity			Type	Intensity
68.44	77.58	9.14				VOL	BLE	FO					t						w						Dark to light grey, weakly BLE, FO VOL with trace DOL and trace SIL ALT. Py bands are not wholly Py, but made up of up to 3mm wide blebs in a general BN orientation. Overall, weak Py	
									FO	35															FO demonstrated by thin (generally under 5mm thick) bands of Se or Bi, between darker and lighter VOL, of irregular Py bands, or light SIL ALT bands at 30-40° TCA.	
									VL	50	130														DOL ALT cross-cuts FO at 130° TFA, 50° TCA.	
77.58	91.56	13.98				MBL	DOL	BX					s												Light to dark grey, MG-FG MBL with LST and DOL BX and undulose MBL-LST banding. BX texture predominantly sBX at start with white DOL veins cross-cutting banded MBL textures.	
			90.92	91.56	0.64	MBL	DOL	BX					s												A tBX textured region of thickly occurring dark grey LST cracks and up to 2mm large clasts marks LCN and a shift to cBX textures downhole.	
									BN	55															BN textures characterised by 50-60° TCA alternations between dark LST and lighter MBL.	
91.56	117.84	26.28				MBL	DOL	BX					m				SIL	i							Predominantly light grey, MG-FG, BN MBL with cBX textures and strong SIL ALT, moderate DOL ALT. cBX textures defined by dark grey, micritic cracks spiderwebbing lighter marbly core. cBX strenghtens to tBX in regions, isolating light MBL clasts within a darker LST. LST supports angular to sub-angular, up to 5cm wide clasts. Large LST bands are primarily support for DOL ALT in an sBX like texture.	
									BN	35															Oriented at 30-40° TCA.	
117.84	136.05	18.21				DOL	LST	BX					i										Gr	t	Light to dark grey, FG-MG, BX, weakly CLY ALT, intensely DOL ALT LST fault. BX textures tBX to cBX. tBX is characteristic by light grey, up to 2cm wide sub-angular to sub-rounded clasts of lighter DOL within a dark, micritic LST matrix. cBX features the same micritic LST as cracks within a primarily light host. tBX region is more rubbly and includes a period of grey mud from 128.02 to 129.87. Overall, core is rubbly to blocky, with Gr and CLY ALT on many fracture faces.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other				Other	
																	Type	Intensity				Type	Intensity			Type	Intensity
136.05	166.12	30.07				DOL	LST	BX					i					CLY	w								Light grey, FG-MG, BX, weakly CLY ALT, weakly SIL ALT, intensely DOL ALT LST. BX textures cBX to sBX depending on host rock. cBX is defined by dark, micritic cracks within DOL host. thickest cBX cracks contain tBX texture as up to 3mm sub-rounded to rounded clasts within. sBX featuring white DOL intrusions within darker LST. Core is blocky to competent, with Gr or CLY ALT visible on most fracture faces. No MX is readily visible.
166.12						EOH																					

GEOTECHNICAL LOG

HOLE: OC-11-21

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
2.52	3.66	1.14	0.57	50	0	0	ms	hw	
3.66	5.18	1.52	1.11	73	0.21	14	ms	hw	
5.18	6.10	0.92	0.80	87	0.40	43	ms	hw	
6.10	6.71	0.61	0.65	107	0.22	36	s	hw	
6.71	8.23	1.52	0.55	36	0.21	14	ms	hw	
8.23	9.14	0.91	0.69	76	0.11	12	ms	hw	
9.14	10.67	1.53	1.37	90	0.00	0	ms	hw	
10.67	12.19	1.52	1.12	74	0.10	7	ms	hw	
12.19	13.72	1.53	1.31	86	0.44	29	s	hw	
13.72	15.24	1.52	1.21	80	0.53	35	s	sw	
15.24	16.76	1.52	1.49	98	0.70	46	s	sw	
16.76	18.29	1.53	1.42	93	1.18	77	vs	sw	
18.29	19.81	1.52	1.52	100	1.52	100	vs	sw	
19.81	21.34	1.53	1.26	82	1.18	77	s	sw	
21.34	22.86	1.52	1.52	100	1.48	97	s	sw	
22.86	24.38	1.52	1.28	84	0.71	47	vs	sw	
24.38	25.91	1.53	1.51	99	0.80	52	vs	sw	
25.91	27.43	1.52	1.46	96	1.29	85	vs	fr	
27.43	28.96	1.53	1.42	93	0.76	50	ms	fr	
28.96	30.48	1.52	1.31	86	0.46	30	ms	fr	
30.48	32.00	1.52	1.46	96	0.46	30	s	fr	
32.00	33.53	1.53	1.29	84	0.78	51	ms	fr	
33.53	35.05	1.52	1.44	95	0.92	61	w	fr	
35.05	36.58	1.53	1.41	92	1.00	65	ms	fr	
36.58	38.10	1.52	1.52	100	0.99	65	ms	fr	
38.10	39.62	1.52	1.37	90	1.19	78	ms	fr	
39.62	41.15	1.53	1.42	93	1.16	76	s	fr	
41.15	42.67	1.52	1.51	99	1.43	94	vs	fr	
42.67	44.20	1.53	1.25	82	0.94	61	w	fr	
44.20	45.72	1.52	1.11	73	0.40	26	ms	fr	
45.72	47.24	1.52	1.51	99	1.00	66	w	fr	
47.24	48.77	1.53	1.50	98	1.26	82	s	fr	
48.77	50.29	1.52	1.52	100	1.08	71	ms	fr	
50.29	51.82	1.53	1.42	93	1.25	82	ms	fr	
51.82	53.34	1.52	1.42	93	1.23	81	s	fr	
53.34	54.86	1.52	1.47	97	1.39	91	s	fr	
54.86	56.39	1.53	1.53	100	1.51	99	ms	fr	
56.39	57.91	1.52	1.46	96	1.20	79	s	fr	
57.91	59.44	1.53	1.53	100	1.53	100	s	fr	
59.44	60.96	1.52	1.47	97	1.23	81	ms	fr	
60.96	62.48	1.52	1.52	100	1.49	98	ms	fr	
62.48	64.01	1.53	1.33	87	1.23	80	vs	fr	
64.01	65.53	1.52	1.46	96	1.01	66	vs	fr	
65.53	67.06	1.53	1.53	100	1.30	85	vw	fr	
67.06	68.58	1.52	1.37	90	0.47	31	w	fr	
68.58	70.10	1.52	1.46	96	0.95	63	s	fr	
70.10	71.63	1.53	1.53	100	1.04	68	ms	fr	
71.63	73.15	1.52	1.44	95	1.21	80	s	fr	
73.15	74.68	1.53	1.53	100	1.39	91	s	fr	
74.68	76.20	1.52	1.51	99	1.31	86	s	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
76.20	77.72	1.52	1.35	89	1.14	75	s	fr	
77.72	79.25	1.53	1.44	94	1.21	79	ms	fr	
79.25	80.77	1.52	1.47	97	1.03	68	s	fr	
80.77	82.30	1.53	1.53	100	1.48	97	s	fr	
82.30	83.82	1.52	1.27	84	0.54	36	s	fr	
83.82	85.34	1.52	1.37	90	1.37	90	s	fr	
85.34	86.87	1.53	1.46	95	1.53	100	vs	fr	
86.87	88.39	1.52	1.53	101	1.36	89	s	fr	
88.39	89.92	1.53	1.37	90	1.30	85	vs	fr	
89.92	91.44	1.52	1.46	96	1.03	68	vs	fr	
91.44	92.96	1.52	1.53	101	1.21	80	vs	fr	
92.96	94.49	1.53	1.44	94	1.14	75	s	fr	
94.49	96.01	1.52	1.53	101	1.44	95	vs	fr	
96.01	97.54	1.53	1.51	99	1.21	79	s	fr	
97.54	99.06	1.52	1.09	72	1.00	66	s	fr	
99.06	100.58	1.52	1.52	100	1.51	99	vs	fr	
100.58	102.11	1.53	1.53	100	1.36	89	vs	fr	
102.11	103.63	1.52	1.50	99	1.08	71	vs	fr	
103.63	104.24	0.61	0.67	110	0.59	97	vs	fr	
104.24	105.77	1.53	1.53	100	1.47	96	s	fr	
105.77	106.68	0.91	0.87	96	0.85	93	vs	fr	
106.68	107.90	1.22	0.88	72	0.85	70	vs	fr	
107.90	108.81	0.91	1.00	110	0.95	104	s	fr	
108.81	109.73	0.92	1.10	120	1.00	109	s	fr	
109.73	111.25	1.52	1.37	90	0.98	64	s	fr	
111.25	112.78	1.53	1.39	91	1.39	91	vs	fr	
112.78	114.30	1.52	1.52	100	1.47	97	s	fr	
114.30	115.82	1.52	1.50	99	1.44	95	s	fr	
115.82	116.13	0.31	0.22	71	0.19	61	ms	fr	
116.13	117.65	1.52	1.40	92	1.05	69	s	fr	
117.65	118.87	1.22	1.26	103	0.69	57	s	fr	
118.87	119.63	0.76	0.14	18	0.12	16	s	fr	
119.63	121.16	1.53	0.54	35	0.19	12	w	fr	
121.16	121.92	0.76	0.00	0	0.00	0	n/a	fr	
121.92	123.44	1.52	1.00	66	0.00	0	w	fr	
123.44	124.97	1.53	1.05	69	0.10	7	w	fr	
124.97	126.49	1.52	0.54	36	0.00	0	w	fr	
126.49	128.02	1.53	0.98	64	0.15	10	vw	fr	
128.02	129.54	1.52	0.46	30	0.00	0	ew	fr	
129.54	131.06	1.52	0.80	53	0.00	0	w	fr	
131.06	132.59	1.53	1.28	84	0.10	7	w	fr	
132.59	134.11	1.52	1.25	82	0.00	0	w	fr	
134.11	135.33	1.22	0.20	16	0.00	0	w	fr	
135.33	136.25	0.92	1.13	123	0.00	0	w	fr	
136.25	138.38	2.13	1.20	56	0.00	0	w	fr	
138.38	139.90	1.52	1.32	87	0.24	16	ms	fr	
139.90	141.43	1.53	1.18	77	0.21	14	ms	fr	
141.43	142.95	1.52	1.21	80	0.59	39	ms	fr	
142.95	143.26	0.31	0.29	94	0.00	0	ms	fr	
143.26	144.78	1.52	1.18	78	0.21	14	ms	fr	
144.78	146.30	1.52	1.30	86	0.10	7	ms	fr	
146.30	147.83	1.53	1.25	82	0.00	0	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
147.83	149.55	1.72	1.00	58	1.26	73	ms	fr	
149.55	150.88	1.33	1.18	89	0.00	0	ms	fr	
150.88	152.40	1.52	1.00	66	0.00	0	ms	fr	
152.40	153.92	1.52	1.33	88	0.22	14	ms	fr	
153.92	155.45	1.53	1.28	84	0.00	0	ms	fr	
155.45	156.97	1.52	1.48	97	0.72	47	ms	fr	
156.97	158.49	1.52	1.28	84	0.81	53	s	fr	
158.49	160.02	1.53	1.40	92	1.00	65	ms	fr	
160.02	161.54	1.52	1.44	95	0.95	63	s	fr	
161.54	163.07	1.53	1.38	90	1.06	69	ms	fr	
163.07	164.59	1.52	1.28	84	1.02	67	ms	fr	
164.59	166.12	1.53	1.30	85	0.28	18	ms	fr	
EOH									

SAMPLE LOG

HOLE: OC-11-21

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
90.92	91.56	0.64	0.64		I383033	14	0.02	3	14	
114.30	116.13	1.83	1.72		I383034	14	0.01	4	10	
116.13	117.84	1.71	1.48		I383035	14	0.01	3	19	
117.84	118.87	1.03	0.88		I383036	14	0.01	3	30	
118.87	121.16	2.29	0.68		I383037	14	0.01	5	34	
121.16	121.92	0.76	0.00			14				No Sample, no recovery.
121.92	124.97	3.05	2.05		I383038	14	<0.01	1	23	
124.97	126.49	1.52	0.54		I383039	14	<0.01	1	24	
126.49	128.02	1.53	0.98		I383040	14	0.01	1	60	
128.02	129.54	1.52	0.46		I383041	14	0.46	18	181	
					I383042	14	<0.01	2	19	Blank HQ
129.54	131.06	1.52	0.80		I383043	14	0.77	4	50	
131.06	134.11	3.05	2.53		I383044	14	0.01	1	36	
134.11	136.25	2.14	1.23		I383045	14	0.01	2	138	
136.25	138.38	2.13	1.20		I383046	14	<0.01	1	28	
					I383047	14	64.70	19250	19850	Standard OC-5

DENSITY LOG

HOLE: OC-11-21

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
15.65				14.6	6.1	1113.0	725.0	2.64	2.87
27.70				14.4	6.1	1195.5	710.0	2.87	2.46
41.15				15.0	6.1	1109.1	792.5	2.56	3.50
74.20				14.8	6.1	1217.2	804.5	2.84	2.95
95.82				14.9	6.1	1090.1	641.0	2.53	2.43
157.80				15.7	6.1	1176.4	729.9	2.59	2.63

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-21

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			0.00	
2.00			0.00	
3.00			0.00	
4.00			0.00	
5.00			0.05	
6.00			0.08	
7.00			0.00	
8.00			0.00	
9.00			0.00	
10.00			0.00	
11.00			0.00	
12.00			0.00	
13.00			0.00	
14.00			0.00	
15.00			0.00	
16.00			0.00	
17.00			0.01	
18.00			0.00	
19.00			0.00	
20.00			0.00	
21.00			0.00	
22.00			0.01	
23.00			0.00	
24.00			0.00	
25.00			0.00	
26.00			0.00	
27.00			0.01	
28.00			0.00	
29.00			0.00	
30.00			0.00	
31.00			0.00	
32.00			0.00	
33.00			0.01	
34.00			0.00	
35.00			0.00	
36.00			0.00	
37.00			0.00	
38.00			0.00	
39.00			0.00	
40.00			0.01	
41.00			0.00	
42.00			0.00	
43.00			0.01	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.00	
47.00			0.00	
48.00			0.00	
49.00			0.01	
50.00			0.01	
51.00			0.01	
52.00			0.00	
53.00			0.01	
54.00			0.00	
55.00			0.00	
56.00			0.00	
57.00			0.00	
58.00			0.00	
59.00			0.00	
60.00			0.00	
61.00			0.00	
62.00			0.01	
63.00			0.05	
64.00			0.03	
65.00			0.01	
66.00			0.11	
67.00			0.08	
68.00			0.11	
69.00			0.21	
70.00			1.89	
71.00			0.31	
72.00			0.22	
73.00			0.40	
74.00			0.11	
75.00			0.58	
76.00			0.03	
77.00			0.05	
78.00			0.01	
79.00			0.10	
80.00			0.05	
81.00			0.05	
82.00			0.03	
83.00			0.03	
84.00			0.01	
85.00			0.03	
86.00			0.03	
87.00			0.03	
88.00			0.03	
89.00			0.01	
90.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.01	
92.00			0.01	
93.00			0.01	
94.00			0.01	
95.00			0.03	
96.00			0.00	
97.00			0.01	
98.00			0.01	
99.00			0.01	
100.00			0.08	
101.00			0.03	
102.00			0.03	
103.00			0.08	
104.00			0.03	
105.00			0.01	
106.00			0.00	
107.00			0.00	
108.00			0.01	
109.00			0.01	
110.00			0.01	
111.00			0.00	
112.00			0.01	
113.00			0.01	
114.00			0.01	
115.00			0.01	
116.00			0.03	
117.00			0.01	
118.00			0.03	
119.00			0.03	
120.00			0.00	
121.00			0.00	
122.00			0.00	
123.00			0.00	
124.00			0.00	
125.00			0.00	
126.00			0.00	
127.00			0.03	
128.00			0.00	
129.00			0.20	
130.00			0.00	
131.00			0.00	
132.00			0.00	
133.00			0.00	
134.00			0.00	
135.00			0.00	
136.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.00	
138.00			0.00	
139.00			0.00	
140.00			0.00	
141.00			0.00	
142.00			0.00	
143.00			0.00	
144.00			0.00	
145.00			0.00	
146.00			0.00	
147.00			0.00	
148.00			0.00	
149.00			0.00	
150.00			0.00	
151.00			0.00	
152.00			0.00	
153.00			0.00	
154.00			0.00	
155.00			0.00	
156.00			0.00	
157.00			0.00	
158.00			0.01	
159.00			0.01	
160.00			0.01	
161.00			0.01	
162.00			0.00	
163.00			0.00	
164.00			0.01	
165.00			0.01	

BOX LOG

HOLE: OC-11-21

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	0.00	6.15	36	138.15	141.74
2	6.15	9.61	37	141.74	144.98
3	9.61	13.37	38	144.98	148.10
4	13.37	16.81	39	148.10	151.43
5	16.81	20.74	40	151.43	155.16
6	20.74	24.38	41	155.16	158.86
7	24.38	28.15	42	158.86	162.42
8	28.15	31.70	43	162.42	165.56
9	31.70	35.05	44	165.56	166.12
10	35.05	39.21			
11	39.21	43.28			
12	43.28	46.81			
13	46.81	50.97			
14	50.97	54.67			
15	54.67	58.74			
16	58.74	62.78			
17	62.78	67.01			
18	67.01	70.70			
19	70.70	74.68			
20	74.68	78.56			
21	78.56	82.30			
22	82.30	86.64			
23	86.64	89.92			
24	89.92	93.73			
25	93.73	97.33			
26	97.33	101.06			
27	101.06	104.75			
28	104.75	108.81			
29	108.81	112.54			
30	112.54	116.13			
31	116.13	120.54			
32	120.54	125.43			
33	125.43	131.06			
34	131.06	134.11			
35	134.11	138.15			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+900NE	10+050NW	516959	7127383	753	224.64

ZONE: OCELOT

SECTION: 09+900NE

HOLE: OC-11-22

CLAIM: YC69327

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 3.05 (m) out

Drilling dates: June 25 to July 1, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	145	-70.0	compass	163.68	152.7	-69.3	Ranger
57.00	146.4	-69.4	Ranger	178.92	153.6	-69.3	Ranger
102.72	149.0	-69.5	Ranger	209.40	155.8	-69.2	Ranger
117.96	149.4	-69.5	Ranger	224.64	156.9	-69.3	Ranger

TARGET: Southwest extension of structure

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	LST	No recovery, casing drilled.
3.05	14.05	11.00	LST	BX, weakly WEA, intensely DOL ALT LST. t Py.
14.05	22.69	8.64	LST	BX, intensely DOL ALT LST.
22.69	57.38	34.69	MBL	BX, intensely DOL ALT LST in MBL.
57.38	62.12	4.74	LST	BX, intensely DOL ALT LST.
62.12	70.26	8.14	VOL	BN, m BLE, m micaceous, w SIL ALT VOL. t Py
70.26	126.32	56.06	LST	BX, intensely DOL ALT, intensely MBL ALT LST.
126.32	144.00	17.68	LST	BX, weakly CLY, intensely DOL ALT LST. t Py
144.00	152.10	8.10	LST	BX, intensely DOL ALT LST fault. Trace Py and Gr
152.10	180.44	28.34	LST	BX, intensely DOL ALT LST. Trace Zn, Gr, Py.
180.44	210.62	30.18	LST	BX, intensely DOL ALT LST.
210.62	224.64	14.02	LST	BX, intensely DOL ALT LST. Trace Py, Gr.
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

SAMPLES
Numbers: I383048 to I383076
Total: <u>29</u>
Batch: <u>14, 15</u>
Certificate: WH11126626, WH11136140

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-22

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	3.05	3.05				OVB																				No recovery	
																										Dark grey to orange-red, fine grained-medium grained, brecciated, intensely dolomite altered limestone with weak weathering. Breccia texture primarily solution collapse breccia, with medium grained, white dolomite veinlets in a darker limestone host.Weathering is manifested as blocky to rubbly core with orange-red coatings on fracture faces. In the lower portion of the interval, grey-green coatings predominate over orange-red. Weathering decreases with depth and is absent below 14.05m. Trace pyrite is present on fracture faces.	
3.05	14.05	11.00				DOL	LST	BX					i					WEA	w	t						X	
																										Predominantly dark grey, medium grained-fine grained, brecciated, intensely dolomite altered limestone. breccia texture weatheringk solution collapse breccia with medium grained, white dolomite intrusions into darker limestone host. Core is competent to blocky, breaking along a sub-preferential orientation. A green-grey coating is visible on some fracture faces. Trace medium grained pyrite MX visible in some fracture faces. Lower contact is defined by a very sharp 40° TCA intersection with lighter marbly unit.	
14.05	22.69	8.64				DOL	LST	BX	CN	40			i													X	
									FR	38																X	
																										Predominantly light grey, medium grained-fine grained, limestone and dolomite brecciated marble. Breccia textures from crackle breccia to solution collapse breccia. Crackle breccia is defined by dark grey, micritic cracks within lighter marble. This texture is interspersed with up to 15cm thick dark limestone bands. These bands often contain medium grained-fine grained sparry white dolomite in an solution collapse breccia texture. Solution collapse breccia proper features the separation of dark to light grey, sub-rounded to sub-angular clasts of limestone within a white dolomite whorled marble. This texture occurs weakly in scattered veins loosely undulating at 30-40° TCA. Core is primarily competent, with green-grey to yellow-green-grey coatings on fracture faces.	
22.69	57.38	34.69				MBL	LST	BX																			

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
			49.34	57.38																							Solution collapse breccia textured region as in general description. Marble textures decrease with depth and are absent below 57.38
57.38	62.12	4.74				DOL	LST	BX					i													X	Light grey to yellow-green-grey, fine grained-medium grained, brecciated, intensely dolomite altered limestone. breccia textures from crackle breccia to tectonic breccia. crackle breccia region is characterised by dark to yellowish crackling of light grey dolostone, isolating up to 2cm wide sub-angular to sub-rounded dolomite clasts. Yellowish alteration contains at some points up to 4mm wide cavities wherein no differing mineralization is visible. Tectonic breccia region marked by strong appearance of dark cracks isolating up to 1.2cm wide, predominantly sub-rounded clasts of yellowish dolomite. Core is primarily competent.
62.12	70.26	8.14				VOL	BLE	BN										SIL	w	t							Dark to pale green-grey, fine grained-medium grained, banded, moderately bleached, moderately micaceous, weakly silicate altered volcaniclastic. Bleaching and sericite alteration occur as a lightening and flaking of the core in bands alternating with the predominant, dark, moderately biotite altered volcaniclastic. Pyrite occurs as veinlets to blebs within banding texture, or within Qz altered veins. Trace pyrite overall. Core is competent to blocky, breaking along BN planes, or flakily along mica altered regions.
									BN	40		1															Banding of differing grey volcaniclastics preferentially oriented at 35-45° TCA occurs 7-10 times total throughout. Bands are mostly about 1m thick, but one of only 2cm in thickness at 64.00 is apparent.
									BN																		Smaller scale (up to 1cm thick) banding of lighter, bleached volcaniclastic consisting of sericite alteration, silicate alteration, differing coloured volcaniclastic as well as trace pyrite MX is oriented at 40-60° TCA at a density of 40-60/m Orientation of banding steepens with depth and is most steep in pyrite veins.
									BN	50		50															Similarly oriented, similarly scaled banding of darker volcaniclastic featuring biotite, pyrite or differing coloured volcaniclastics.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity					
70.26	126.32	56.06				DOL	MBL	BX					i													X	Dark to light grey, medium grained-fine grained, brecciated, intensely marbleized, intensely dolomite altered limestone. Breccia textures from solution collapse breccia to crackle breccia. Solution collapse breccia features light grey dolomite intrusions within sugary grey marble and dark grey limestone banded host. Tectonic breccia texture features dark grey limestone cracks within lighter dolomiteostone ore marble host. Core is competent to blocky, fracturing sub-preferentially along banding planes as well as demonstrating less competency in crackle breccia region.	
									BN	45																		Banding occurs sub-preferentially at 40-50° TCA. Solution collapse breccia texture as in general description.
			70.26	83.13	12.87	DOL	MBL	BX					i															Crackle breccia texture as in general description. Core is generally blocky.
			83.13	89.96	6.83	DOL	MBL	BX					i															Solution collapse breccia texture as in general description.
			89.96	99.67	9.71	DOL	MBL	BX																				Preferential micritic banding at 40-50° TCA is evident.
									BN	45																		Glassy grey, medium grained-fine grained, breccia intensely SIL altered, intensely dolomite altered limestone. SIL altered is present as a harder, more transparent grey rock.
			99.67	101.61	1.94	DOL	SIL	BX					i				SIL	i								X	Core breaks along dolomite altered oriented at 40-50° TCA sub-preferentially.	
									FR	45																		Light to dark grey, medium grained-fine grained, breccia, intensely marbleized, intensely dolomite altered, weakly silicate altered limestone. Breccia textures are solution collapse breccia and crackle breccia as in general description, but with tectonic breccia textures also visible. Tectonic breccia is most commonly seen as up to 2mm large, rounded dark limestone clasts. Light marble regions are more common and it is these regions which exhibit the tectonic breccia texture. Coarse grained dolomite rhombs are visible on some fracture faces, or on vugs up to 3cm in length within marble sections.
			101.61	126.32	24.71	DOL	MBL	BX					i				MBL	i								X	Marble and limestone sections exhibit crackle breccia and solution collapse breccia textures respectively and are segregated as thick bands sub-preferentially oriented at 40-60° TCA.	
									BN	50																		Core is primarily competent with fracturing oriented similarly to banding.
									FR	45																		

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other				
																	Type	Intensity				Type	Intensity	Type			Intensity	
126.32	144.00	17.68				DOL	LST	BX										CLY	t	t								Light to dark grey, medium grained to fine grained, brecciated, weakly clay altered, intensely dolomite altered limestone. Brecciation is crackle to tectonic. Crackle breccia texture is defined by dark grey limestone cracks spiderwebbing lighter dolomite. Tectonic breccia texture occurs alongside crackle breccia and is characterised by up to 2mm wide dolomite clasts isolated by dark grey limestone / very fine grained pyrite? Core is competent to rubbly, breaking predominantly along crackle breccia cracks, with very fine grained pyrite mineralisation visible on fracture faces.
			131.76	132.21	0.45	DOL		MX										CLY	f	f								Dark grey, fine to medium grained, fairly clay altered pyrite mineralised limestone. Yellow-brown pyrite occurs in thin strings within limestone.
144.00	152.10	8.10				DOL	LST	BX					i							t					Gr	t		Dark to light grey, medium to fine grained, brecciated, intensely dolomite altered limestone fault. Breccia is tectonic to mosaic in texture. Tectonic breccia texture is defined by up to 2.5cm large, sub-rounded to sub-angular clasts supported by a dark grey limestone/ very fine grained mineralization matrix. Mosaic breccia features similar clasts, but is either clast supported, or clast dominated. Mosaic breccia clasts can be visually pieced together. Mineralisation occurs as very fine grained pyrite and graphite within brecciation and on fracture faces. Core is rubbly to competent, with trace pyrite and trace graphite.
152.10	180.44	28.34				DOL	LST	BX					i							t			Gr	t	Zn	t		Light to dark grey, medium to fine grained, brecciated, intensely dolomite altered limestone. Brecciation is crackle to to tectonic in texture. Crackle breccia is defined by dark grey limestone separating light grey dolostone clasts. The limestone shows trace clay alteration as well as fine grained pyrite and fine to coarse grained graphite alteration. Mosaic and tectonic breccia are defined by matrix supported dark grey limestone containing angular to sub angular clasts 1-40mm in diameter. . Core is competent to rubbly. Trace fine grained zinc/sphalerite mineralization at 175m.
									BD	60		<1																15cm thick beds of dark grey limestone with fair pyrite mineralization at <1/m density are visible

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Ankerite	Oxidation	Siderite	Other		Pyrite	Arsenopyrite	Pyrrhotite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
180.44	210.62	30.18				DOL	LST	BX					i													Light to dark grey, fine to medium grained, brecciated, intensely dolomite altered limestone. Crackle brecciation is defined by dark grey limestone fractures with trace fine to medium grained graphite and fine grained pyrite. Limestone shows moderate clay alteration. Core is muddy and sandy to competent.	
									BD																	200mm thick bed of carbonate mud at 180.44-180.64m	
									BD																	0.6-1.3m thick beds of limestone sand alternating with rubble and competent limestone.	
			192.93	194.80	1.87	DOL	LST						i					CLY	i	m						Medium grey, fine grained intense dolomite alterec limestone with intense clay alteration and moderate pyrite mineralization. Core is competent, cut by white clay veinlets.	
210.62	224.64	14.02				DOL	LST	BX					i							t				Gr	t	Light to dark grey, medium to fine grained, brecciated, intensely dolomite altered limestone. Brecciation is crackle to mosaic breccia. Crackle breccia is defined by dark grey limestone fractures. Trace fine grained pyrite and fine to coarse grained graphite mineralization is visible. Mosaic breccia is defined by dark grey limestone matrix with angular light grey limestone clasts up to 110mm wide. Core is rubbly to competent. End of hole, targeted zone passed.	
224.64						EOH																					

GEOTECHNICAL LOG

HOLE: OC-11-22

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
3.05	3.66	0.61	0.42	69	0.00	0	W	MW	
3.66	5.18	1.52	0.90	59	0.10	7	W	MW	
5.18	6.71	1.53	0.71	46	0.10	7	MS	MW	
6.71	8.23	1.52	0.88	58	0.24	16	MS	MW	
8.23	9.75	1.52	1.01	66	0.40	26	MS	MW	
9.75	11.28	1.53	1.02	67	0.20	13	W	SW	
11.28	12.80	1.52	0.97	64	0.37	24	S	SW	
12.80	14.02	1.22	0.34	28	0.00	0	S	SW	
14.02	15.54	1.52	1.29	85	0.67	44	S	FR	
15.54	17.07	1.53	1.20	78	0.85	56	S	FR	
17.07	18.59	1.52	1.10	72	0.30	20	S	FR	
18.59	20.12	1.53	1.14	75	0.70	46	S	FR	
20.12	21.64	1.52	1.35	89	1.28	84	MS	FR	
21.64	22.56	0.92	1.03	112	0.94	102	MS	FR	
22.56	24.08	1.52	1.36	89	1.28	84	MS	FR	
24.08	24.99	0.91	0.59	65	0.17	19	MS	FR	
24.99	26.52	1.53	1.14	75	0.66	43	S	FR	
26.52	28.04	1.52	1.08	71	0.77	51	MS	FR	
28.04	29.57	1.53	1.35	88	1.01	66	MS	FR	
29.57	31.09	1.52	1.20	79	0.86	57	MS	FR	
31.09	32.61	1.52	1.18	78	0.93	61	S	FR	
32.61	34.14	1.53	1.13	74	0.98	64	S	FR	
34.14	35.66	1.52	1.38	91	1.26	83	S	FR	
35.66	37.19	1.53	1.27	83	0.94	61	S	FR	
37.19	38.71	1.52	1.25	82	1.20	79	S	FR	
38.71	40.23	1.52	1.29	85	1.23	81	MS	FR	
40.23	41.76	1.53	1.35	88	1.00	65	MS	FR	
41.76	43.28	1.52	1.38	91	1.17	77	MS	FR	
43.28	44.81	1.53	1.32	86	1.08	71	S	FR	
44.81	46.33	1.52	1.47	97	1.47	97	S	FR	
46.33	47.85	1.52	1.45	95	1.32	87	S	FR	
47.85	49.38	1.53	1.26	82	1.11	73	S	FR	
49.38	50.90	1.52	1.39	91	1.11	73	S	FR	
50.90	52.43	1.53	1.15	75	0.96	63	s	FR	
52.43	53.95	1.52	1.46	96	1.26	83	s	FR	
53.95	55.47	1.52	1.50	99	1.45	95	s	FR	
55.47	56.99	1.52	1.47	97	1.45	95	s	FR	
56.99	58.52	1.53	1.50	98	1.13	74	s	FR	
58.52	60.05	1.53	1.50	98	1.01	66	s	FR	
60.05	61.57	1.52	1.47	97	1.40	92	s	FR	
61.57	63.09	1.52	1.45	95	0.94	62	s	FR	
63.09	64.62	1.53	1.25	82	0.51	33	w	FR	
64.62	66.14	1.52	1.27	84	0.11	7	w	FR	
66.14	67.67	1.53	1.16	76	0.65	42	ms	FR	
67.67	69.19	1.52	1.41	93	0.62	41	ms	FR	
69.19	70.71	1.52	1.37	90	1.05	69	ms	FR	
70.71	72.24	1.53	1.36	89	0.79	52	ms	FR	
72.24	73.76	1.52	1.50	99	1.26	83	ms	FR	
73.76	75.29	1.53	1.21	79	1.12	73	s	FR	
75.29	75.89	0.60	0.54	90	0.42	70	s	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
75.89	76.81	0.92	0.92	100	0.92	100	s	FR	
76.81	78.33	1.52	1.50	99	1.45	95	s	FR	
78.33	79.86	1.53	1.24	81	0.78	51	s	FR	
79.86	81.23	1.37	1.16	85	0.46	34	s	FR	
81.23	82.91	1.68	1.41	84	0.21	13	s	FR	
82.91	84.43	1.52	1.50	99	0.72	47	ms	FR	
84.43	85.95	1.52	1.23	81	0.36	24	ms	FR	
85.95	87.48	1.53	1.44	94	0.46	30	s	FR	
87.48	89.00	1.52	1.11	73	0.33	22	s	FR	
89.00	90.53	1.53	1.50	98	0.79	52	s	FR	
90.53	92.53	2.00	1.45	73	0.49	25	s	FR	
92.05	93.57	1.52	1.36	89	1.06	70	s	FR	
93.57	95.10	1.53	1.23	80	0.70	46	s	FR	
95.10	96.62	1.52	1.30	86	0.57	37	s	FR	
96.62	98.15	1.53	1.15	75	0.21	14	s	FR	
98.15	99.67	1.52	1.50	99	0.57	38	s	FR	
99.67	101.19	1.52	1.17	77	0.48	32	s	FR	
101.19	102.72	1.53	1.50	98	1.02	67	s	FR	
102.72	104.24	1.52	1.52	100	1.52	100	s	FR	
104.24	105.77	1.53	1.50	98	1.23	80	s	FR	
105.77	107.29	1.52	1.52	100	0.64	42	s	FR	
107.29	108.81	1.52	1.51	99	1.00	66	s	FR	
108.81	110.34	1.53	1.26	82	0.23	15	ms	FR	
110.34	111.56	1.22	1.22	100	0.25	20	ms	FR	
111.56	113.39	1.83	1.45	79	0.76	42	s	FR	
113.39	114.90	1.51	1.42	94	0.36	24	s	FR	
114.90	116.43	1.53	1.36	89	1.03	67	s	FR	
116.43	117.96	1.53	1.52	99	1.52	99	vs	FR	
117.96	119.48	1.52	1.42	93	1.37	90	vs	FR	
119.48	121.01	1.53	1.53	100	1.41	92	vs	FR	
121.01	122.53	1.52	1.41	93	0.82	54	vs	FR	
122.53	124.05	1.52	1.40	92	1.36	89	vs	FR	
124.05	125.58	1.53	1.26	82	0.91	59	vs	FR	
125.58	127.10	1.52	1.48	97	1.15	76	s	FR	
127.10	128.63	1.53	1.40	92	1.30	85	s	FR	
128.63	130.15	1.52	1.35	89	0.50	33	s	FR	
130.15	131.67	1.52	1.25	82	0.67	44	s	FR	
131.67	133.19	1.52	1.13	74	0.00	0	s	FR	
133.19	134.72	1.53	1.41	92	0.60	39	s	FR	
134.72	136.25	1.53	1.20	78	0.34	22	s	FR	
136.25	137.77	1.52	1.31	86	0.88	58	s	FR	
137.77	139.29	1.52	1.50	99	0.88	58	vs	FR	
139.29	140.82	1.53	1.38	90	0.41	27	s	FR	
140.82	142.34	1.52	0.87	57	0.00	0	s	FR	
142.34	143.87	1.53	1.17	76	0.70	46	s	FR	
143.87	145.39	1.52	0.86	57	0.00	0	ms	FR	
145.39	146.91	1.52	1.25	82	0.00	0	vs	FR	
146.91	148.44	1.53	1.06	69	0.00	0	s	FR	
148.44	149.96	1.52	1.40	92	0.34	22	w	FR	
149.96	151.49	1.53	1.41	92	1.27	83	s	FR	
151.49	153.01	1.52	1.33	88	0.80	53	ms	FR	
153.01	154.53	1.52	1.35	89	0.22	14	w	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
154.53	156.06	1.53	0.97	63	0.34	22	w	FR	
156.06	157.58	1.52	1.35	89	0.28	18	ms	FR	
157.58	159.11	1.53	1.26	82	0.29	19	w	FR	
159.11	160.63	1.52	1.34	88	0.40	26	ms	FR	
160.63	162.12	1.49	1.29	87	0.29	19	ms	FR	
162.12	163.68	1.56	1.37	88	0.55	35	w	FR	
163.68	165.20	1.52	1.27	84	0.92	61	ms	FR	
165.20	166.72	1.52	1.40	92	0.99	65	ms	FR	
166.72	168.25	1.53	1.42	93	0.87	57	ms	FR	
168.25	169.77	1.52	1.52	100	1.37	90	s	FR	
169.77	171.30	1.53	1.45	95	0.76	50	ms	FR	
171.30	172.82	1.52	1.29	85	0.87	57	s	FR	
172.82	174.35	1.53	1.34	88	0.65	42	w	FR	
174.35	175.87	1.52	1.28	84	0.46	30	ms	FR	
175.87	177.39	1.52	1.39	91	0.46	30	ms	FR	
177.39	178.92	1.53	1.24	81	0.15	10	ms	FR	
178.92	180.44	1.52	1.27	84	0.64	42	ms	FR	
180.44	181.97	1.53	1.16	76	0.00	0	w	FR	
181.97	183.49	1.52	1.32	87	0.53	35	ms	FR	
183.49	185.01	1.52	0.85	56	0.00	0	w	FR	
185.01	186.54	1.53	0.85	56	0.00	0	vw	FR	
186.54	188.06	1.52	0.80	53	0.00	0	ew	FR	
188.06	189.59	1.53	0.72	47	0.00	0	vw	FR	
189.59	191.11	1.52	1.05	69	0.00	0	vw	FR	
191.11	192.63	1.52	0.80	53	0.00	0	ew	FR	
192.63	194.16	1.53	1.40	92	0.93	61	w	FR	
194.16	195.68	1.52	1.33	87	0.41	27	vw	FR	
195.68	197.21	1.53	1.16	76	0.00	0	w	FR	
197.21	198.73	1.52	1.15	76	0.00	0	w	FR	
198.73	200.25	1.52	1.22	80	0.00	0	w	FR	
200.25	201.78	1.53	1.17	76	0.10	7	ms	FR	
201.78	203.30	1.52	1.29	85	0.00	0	vw	FR	
203.30	204.83	1.53	1.10	72	0.25	16	w	FR	
204.83	206.35	1.52	1.18	78	0.25	16	ms	FR	
206.35	207.87	1.52	1.34	88	0.48	32	ms	FR	
207.87	209.40	1.53	1.31	86	0.38	25	ms	FR	
209.40	210.92	1.52	0.82	54	0.00	0	vw	FR	
210.92	212.45	1.53	1.20	78	0.40	26	ms	FR	
212.45	213.97	1.52	1.30	86	0.47	31	ms	FR	
213.97	215.49	1.52	1.26	83	0.29	19	ms	FR	
215.49	217.02	1.53	1.49	97	0.95	62	ms	FR	
217.02	218.54	1.52	1.18	78	0.86	57	ms	FR	
218.54	220.07	1.53	1.33	87	1.00	65	s	FR	
220.07	221.59	1.52	1.52	100	0.95	62	s	FR	
221.59	223.11	1.52	1.52	100	1.45	95	s	FR	
223.11	224.64	1.53	1.38	90	0.67	44	ms	FR	

SAMPLE LOG

HOLE: OC-11-22

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
55.47	57.38	1.91	1.80	94	I383048	14	0.12	16	2900	
57.38	58.68	1.30	1.14	88	I383049	14	0.18	29	18400	
58.68	60.22	1.54	1.39	90	I383050	14	0.14	42	22900	
60.22	60.88	0.66	0.55	83	I383051	14	0.25	31	22000	
60.88	62.12	1.24	1.18	95	I383052	14	0.06	10	6190	
62.12	63.28	1.16	0.86	74	I383053	14	0.04	28	285	
63.28	66.14	2.86	2.18	76	I383054	14	0.06	25	197	
140.82	143.87	3.05	2.04	67	I383055	14	<0.01	<0.5	43	
143.87	146.00	2.13	1.26	59	I383056	15	0.01	1	54	
146.00	146.91	0.91	0.88	97	I383057	15	<0.01	13	58	
146.91	149.46	2.55	2.13	84	I383058	15	0.02	5	119	
149.46	149.96	0.50	0.50	100	I383059	15	<0.01	12	29	
149.96	152.10	2.14	2.10	98	I383060	15	<0.01	4	25	
152.10	154.53	2.43	2.12	87	I383061	15	<0.01	1	12	
154.53	157.58	3.05	2.32	76	I383062	15	<0.01	1	9	
178.92	181.97	3.05	2.43	80	I383063	15	0.44	2	13	
					I383064	15	59.60	19150	19150	Standard OC-5
181.97	183.49	1.52	1.32	87	I383065	15	<0.01	1	7	
183.49	184.90	1.41	0.65	46	I383066	15	0.01	2	11	
184.90	186.54	1.64	1.05	64	I383067	15	<0.01	1	7	
184.90	186.54	1.64	1.05	64	I383068	15	<0.01	1	8	Duplicate
186.54	188.06	1.52	0.80	53	I383069	15	<0.01	1	6	
188.06	189.59	1.53	0.72	47	I383070	15	0.02	1	31	
189.59	191.11	1.52	1.05	69	I383071	15	0.01	<0.5	6	
191.11	192.86	1.75	1.02	58	I383072	15	0.03	4	34	
192.86	194.92	2.06	1.76	85	I383073	15	0.12	14	150	
194.92	197.21	2.29	1.71	75	I383074	15	0.02	2	11	
					I383075	15	0.01	1	16	Blank HQ
197.21	200.25	3.04	2.37	78	I383076	15	0.01	3	9	

DENSITY LOG

HOLE: OC-11-22

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
22.00				15.0	6.1	1250.5	820.8	2.88	2.91
33.60				15.7	6.1	1165.0	765.0	2.57	2.91
43.30				15.1	6.1	1251.0	838.0	2.86	3.03
54.10				14.4	6.1	1206.9	713.8	2.90	2.45
57.70				14.8	6.1	1138.2	719.8	2.66	2.72
60.20				15.1	6.1	1129.6	640.8	2.59	2.31
62.90				15.0	6.1	1246.9	412.6	2.87	1.49
119.10				14.7	6.1	1217.0	843.5	2.86	3.26
140.00				15.0	6.1	1229.6	792.5	2.83	2.81
150.00				14.6	6.1	1206.0	777.7	2.86	2.82
169.50				15.0	6.1	1238.5	798.0	2.86	2.81
198.30				14.9	6.1	1184.4	742.0	2.75	2.68

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-22

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
3.00			0.00	
4.00			0.00	
5.00			0.01	
6.00			0.00	
7.00			0.01	
8.00			0.01	
9.00			0.03	
10.00			0.01	
11.00			0.08	
12.00			0.00	
13.00			0.03	
14.00			0.01	
15.00			0.01	
16.00			0.01	
17.00			0.01	
18.00			0.01	
19.00			0.01	
20.00			0.06	
21.00			0.03	
22.00			0.01	
23.00			0.01	
24.00			0.01	
25.00			0.00	
26.00			0.00	
27.00			0.00	
28.00			0.01	
29.00			0.00	
30.00			0.03	
31.00			0.01	
32.00			0.00	
33.00			0.00	
34.00			0.00	
35.00			0.01	
36.00			0.00	
37.00			0.01	
38.00			0.00	
39.00			0.01	
40.00			0.00	
41.00			0.00	
42.00			0.00	
43.00			0.00	
44.00			0.01	
45.00			0.05	
46.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
47.00			0.01	
48.00			0.00	
49.00			0.01	
50.00			0.00	
51.00			0.01	
52.00			0.03	
53.00			0.01	
54.00			0.03	
55.00			0.01	
56.00			0.01	
57.00			0.10	
58.00			0.15	
59.00			0.21	
60.00			0.25	
61.00			0.48	
62.00			0.15	
63.00			0.20	
64.00			0.11	
65.00			0.11	
66.00			0.10	
67.00			0.10	
68.00			0.20	
69.00			0.06	
70.00			0.01	
71.00			0.06	
72.00			0.03	
73.00			0.03	
74.00			0.05	
75.00			0.01	
76.00			0.01	
77.00			0.00	
78.00			0.03	
79.00			0.03	
80.00			0.01	
81.00			0.01	
82.00			0.01	
83.00			0.01	
84.00			0.01	
85.00			0.03	
86.00			0.01	
87.00			0.05	
88.00			0.05	
89.00			0.01	
90.00			0.01	
91.00			0.01	
92.00			0.03	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
93.00			0.01	
94.00			0.01	
95.00			0.01	
96.00			0.00	
97.00			0.01	
98.00			0.00	
99.00			0.05	
100.00			0.01	
101.00			0.01	
102.00			0.01	
103.00			0.01	
104.00			0.01	
105.00			0.01	
106.00			0.03	
107.00			0.01	
108.00			0.03	
109.00			0.03	
110.00			0.01	
111.00			0.01	
112.00			0.01	
113.00			0.01	
114.00			0.01	
115.00			0.01	
116.00			0.01	
117.00			0.01	
118.00			0.01	
119.00			0.03	
120.00			0.01	
121.00			0.01	
122.00			0.01	
123.00			0.03	
124.00			0.01	
125.00			0.01	
126.00			0.01	
127.00			0.01	
128.00			0.01	
129.00			0.01	
130.00			0.01	
131.00			0.01	
132.00			0.01	
133.00			0.00	
134.00			0.01	
135.00			0.03	
136.00			0.01	
137.00			0.03	
138.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
139.00			0.00	
140.00			0.00	
141.00			0.00	
142.00			0.01	
143.00			0.01	
144.00			0.01	
145.00			0.00	
146.00			0.33	
147.00			0.01	
148.00			0.03	
149.00			0.00	
150.00			0.01	
151.00			0.06	
152.00			0.01	
153.00			0.03	
154.00			0.00	
155.00			0.01	
156.00			0.01	
157.00			0.00	
158.00			0.00	
159.00			0.00	
160.00			0.00	
161.00			0.01	
162.00			0.01	
163.00			0.00	
164.00			0.01	
165.00			0.01	
166.00			0.00	
167.00			0.01	
168.00			0.01	
169.00			0.01	
170.00			0.01	
171.00			0.00	
172.00			0.01	
173.00			0.00	
174.00			0.01	
175.00			0.01	
176.00			0.00	
177.00			0.01	
178.00			0.01	
179.00			0.00	
180.00			0.00	
181.00			0.01	
182.00			0.01	
183.00			0.00	
184.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
185.00			0.01	
186.00			0.00	
187.00			0.01	
188.00			0.00	
189.00			0.01	
190.00			0.00	
191.00			0.01	
192.00			0.03	
193.00			0.03	
194.00			0.00	
195.00			0.00	
196.00			0.00	
197.00			0.00	
198.00			0.00	
199.00			0.01	
200.00			0.05	
201.00			0.05	
202.00			0.01	
203.00			0.01	
204.00			0.00	
205.00			0.00	
206.00			0.01	
207.00			0.00	
208.00			0.01	
209.00			0.00	
210.00			0.01	
211.00			0.01	
212.00			0.01	
213.00			0.01	
214.00			0.00	
215.00			0.01	
216.00			0.01	
217.00			0.00	
218.00			0.01	
219.00			0.01	
220.00			0.00	
221.00			0.03	
222.00			0.03	
223.00			0.06	
224.00			0.00	

BOX LOG

HOLE: OC-11-22

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	3.05	6.12	36	132.08	135.50
2	6.12	10.10	37	135.50	139.07
3	10.10	14.23	38	139.07	142.34
4	14.23	18.09	39	142.34	146.89
5	18.09	21.72	40	146.89	149.96
6	21.72	25.16	41	149.96	153.38
7	25.16	28.59	42	153.38	156.80
8	28.59	32.23	43	156.80	159.92
9	32.23	35.66	44	159.92	163.35
10	35.66	39.39	45	163.35	167.04
11	39.39	43.12	46	167.04	170.87
12	43.12	46.81	47	170.87	174.64
13	46.81	50.37	48	174.64	178.21
14	50.37	54.66	49	178.21	182.18
15	54.66	58.68	50	182.18	186.15
16	58.68	62.71	51	186.15	190.28
17	62.71	66.95	52	190.28	194.44
18	66.95	70.42	53	194.44	198.19
19	70.42	73.76	54	198.19	201.38
20	73.76	77.64	55	201.38	204.75
21	77.64	81.36	56	204.75	208.17
22	81.36	84.84	57	208.17	211.40
23	84.84	88.59	58	211.40	214.88
24	88.59	91.92	59	214.88	218.54
25	91.92	95.88	60	218.54	222.76
26	95.88	99.67	61	222.76	224.64
27	99.67	103.55			
28	103.55	107.15			
29	107.15	110.53			
30	110.53	114.00			
31	114.00	117.60			
32	117.60	121.15			
33	121.15	125.15			
34	125.15	128.71			
35	128.71	132.08			

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+750NE	10+050NW	516838	7127288	749	220.98

ZONE: OCELOT

SECTION: 09+750NE

HOLE: OC-11-23

CLAIM: YC69325

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 13.72 (m) out

Drilling dates: July 2 to 5, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	143	-50.0	compass	128.93	145.3	-49.2	Ranger
37.49	143.2	-48.7	Ranger	159.41	145.9	-49.3	Ranger
67.97	144.2	-49.1	Ranger	189.89	146.0	-48.9	Ranger
98.45	144.2	-49.3	Ranger	220.37	145.5	-49.3	Ranger

TARGET: Southwest stepout

[illegible]

SAMPLES
Numbers: I383077 to I383091
Total: 15
Batch: 15
Certificate: WH11136140

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-23

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Marble	Graphite	Clay	Other		Pyrite	Galena	Sphalerite	Other		Other			
																	Type	Intensity				Type	Intensity				
0.00	7.62	7.62				OVB																				No recovery	
7.62	9.45	1.83				OVB																				Assorted dolomite altered limestone rubble	
																										Light to dark grey, to yellow-orange, medium to fine grained, brecciated, moderately weathered, moderately-strongly marble altered intensely dolomite altered limestone. Weathering is manifested as decreased competency of core, brigh to pale yellow-orange coatings on fracture faces or all throughout the core. Distinct periods of stronger and weaker weathering exist. Weathering is absent below 14.71m.	
9.45	41.71	32.26				DOL	LST	BX					i	ms			WEA	m									
				9.45	12.22	2.77	DOL	LST					t				WEA	i								Dark grey limestone mud interspersed with chunks of orange-brown, weathered, intensely dolomite altered limestone. Overall, trace dolomite.	
				12.22	12.60	0.38	DOL	LST					w				WEA	i								Orange-grey weathered limestone mud containing chunks of orange coated dolomite altered limestone Overall, weak dolomite.	
				12.60	24.61	12.01	DOL	LST	BX																	Light to dark grey to yellow-orange, medium to fine grained, crackle brecciated, strongly marble altered, moderately weathered, intensely dolomite altered limestone. Crackle breccia is weak, characterised by scattered dark limestone cracks within white to light grey marbleized dolomite with yellow-orange weathering visible throughout. Core is competent to blocky, most broken in muddy zones of low recovery.	
				24.61	28.15	3.54	DOL	LST	BX					i	m		WEA	t								Light to dark grey, to orange-yellow, medium to fine grained, crackle brecciated, moderately marble altered, weakly weathered, intensely dolomite altered limestone. Crackle breccia is strong, as defined above, except more thickly occuring. Weathering is all but absent within the strongly crackle brecciated regions.	
				28.15	33.00	4.85	DOL	LST	BX					i												Weak crackle breccia texture as described above.	
																										Strong crackle breccia texture with intense weathering. Crackle breccia strength decreases with depth and demonstrates a preferential 30-40 to core axis orientation of crackle breccia texture. Weathering is demonstrated by orange-yellow coating on fracture faces and all throughout core as well as in decreased competency of the core. Core is rubbly to competent overall.	
				33.00	41.71	8.71	DOL	LST	BX					i													

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Marble	Graphite	Clay	Other		Pyrite	Galena	Sphalerite	Other		Other			
																	Type	Intensity				Type	Intensity				
41.71	190.45	148.74				DOL	LST	BX	BX	35			i	w			CLY	t									Light to dark grey, brecciated, intensely dolomite altered, weakly marble altered limestone with trace clay alteration. Brecciation is crackle breccia, generally weak, but stronger in isolated sections. Crackle breccia is defined by dark limestone cracks spiderwebbing lighter marble altered dolomite. The core is competent to blocky with specific regions of decreased competency.
			41.71	65.66	23.95	DOL	LST	BX					i	w													As general description
			65.66	67.02	1.36	DOL	LST						t														Dark grey, fine grained limestone bed with trace dolomite occurring as veinlets at no specific orientation overall.
			67.02	78.62	11.60	DOL	LST	BX					i														As general description, except rubbly to blocky and with sections of dark grey limestone mud. Crackle breccia texture is stronger than general.
									BX	45																	Sub-preferential orientation of crackle breccia cracks at 40-50° to core axis.
			78.62	83.82	5.20	DOL	LST	BX																			As general description
			83.83	84.17	0.34	DOL																					Dark grey limestone mud, core is very weak
																											As general description, except with crackle breccia limestone clasts that are thicker, up to 2cm wide in places and demonstrate a sub-preferential orientation of 10-20° to core axis.
			84.17	104.17	20.00				BX	15																	
																											Region of crackle breccia characterised by light grey, sub-angular to angular marble altered dolomite clasts up to 13cm long and oriented so that the long axis of the clasts is at 10-20° to core axis.
			93.10	97.45	4.35				BX	15																	Dark to light grey, brecciated, fine to medium grained, intensely dolomite altered limestone. Breccia is strong crackle to mosaic, causing the core to shatter along dark limestone cracks. Core is rubbly to blocky overall, with trace graphite on fracture faces.
			104.17	107.33	3.16	DOL	LST	BX					i		t												
			107.33	117.30	9.97	DOL	LST	BX					i														As general description
			117.30	123.40	6.10	DOL	LST	BX					i														As general description, except blocky to rubbly overall.
																											As general description, except with crackle breccia limestone clasts that are thicker, up to 2cm wide in places and demonstrate a sub-preferential orientation of 10-35° to core axis.
			123.40	130.02	6.62	DOL	LST	BX	BX	20			i														As general description, except with trace graphite alteration.
			130.02	140.24	10.22	DOL	LST	BX					i		t												

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tra)	Density (frequency/m)	Dolomite	Marble	Graphite	Clay	Other		Pyrite	Galena	Sphalerite	Other		Other			
																	Type	Intensity				Type	Intensity				
			140.24	143.33	3.09	DOL	LST	BX					i													Dark to light grey, brecciated, fine to medium grained, intensely dolomite altered limestone. Breccia is strong crackle to mosaic, causing the core to shatter along dark limestone cracks. Core is rubbly to blocky overall, with trace graphite on fracture faces.	
			143.33	145.38	2.05	DOL	LST	BX					i													As general description	
			145.38	190.45	45.07	DOL	LST	BX					i	m												Light to dark grey, brecciated, medium to fine grained, moderately marble altered, intensely dolomite altered limestone. Brecciation is crackle to solution collapse. Crackle breccia is characterised by dark grey, micritic limestone cracks within a higher marbly dolomite. Solution collapse breccia features sparry white dolomite infilling of karst vugs within marble altered limestone. Core is strongly brecciated, sparry dolomite texture resembles the dying scraps of a piece of parchment paper as it is burnt, casting flamelike into the core, sometimes with sharp edges, sometimes with rounded ones, the dolomite is ringed by a thin (<1mm thick) band dark limestone. within a light grey marbly host.	
									BX	50																Crackle breccia sub-preferentially oriented at 30-6° to core axis.	
190.45	220.98	30.53				DOL	LST	BX					i	w	t	w										Medium to light and dark grey, brecciated, weakly clay altered, intensely dolomite altered, weakly marble altered limestone fault with trace graphite alteration. Brecciation is crackle to tectonic. Crackle breccia is defined by thin, dark micritic limestone cracks spiderwebbing a lighter marbly dolomite. These cracks increase in strength towards the middle of the interval, isolating 2-5cm large, sub-angular to sub-rounded dolomite clasts. Clast supported. Tectonic breccia represents a strengthening of presence of dark limestone cracks, resulting in up to 1cm large, sub-rounded to rounded dolomite clasts supported in a limestone matrix. Core is rubbly to blocky with clay gouge in areas and graphite alteration on some fracture faces.	
220.98						EOH																				End of hole, targeted zone passed	

GEOTECHNICAL LOG

HOLE: OC-11-23

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
8.84	9.45	0.61	0.12	20	0.00	0	n/a	ew	
9.45	10.36	0.91	0.34	37	0.00	0	vw	ew	
10.36	11.89	1.53	0.52	34	0.00	0	vw	ew	
11.89	12.19	0.30	0.26	87	0.00	0	vw	ew	
12.19	13.26	1.07	0.46	43	0.00	0	vw	ew	
13.26	14.78	1.52	1.02	67	0.23	15	mw	w	
14.78	15.24	0.46	0.35	76	0.27	59	ms	mw	
15.24	16.76	1.52	1.40	92	1.40	92	s	mw	
16.76	18.29	1.53	1.31	86	0.82	54	vs	mw	
18.29	19.81	1.52	1.01	66	0.30	20	vs	mw	
19.81	21.34	1.53	1.22	80	1.04	68	vs	mw	
21.34	22.86	1.52	1.30	86	0.90	59	vs	mw	
22.86	24.38	1.52	1.11	73	0.24	16	s	mw	
24.38	25.91	1.53	0.97	63	0.10	7	s	w	
25.91	27.43	1.52	0.83	55	0.18	12	s	sw	
27.43	28.96	1.53	1.23	80	0.59	39	s	sw	
28.96	30.48	1.52	1.22	80	0.34	22	s	sw	
30.48	32.00	1.52	1.08	71	0.35	23	s	sw	
32.00	33.53	1.53	1.01	66	0.38	25	s	sw	
33.53	35.05	1.52	1.13	74	0.44	29	s	ew	
35.05	36.58	1.53	0.70	46	0.00	0	mw	ew	
36.58	38.10	1.52	1.14	75	0.00	0	mw	ew	
38.10	39.62	1.52	1.16	76	0.00	0	mw	ew	
39.62	41.15	1.53	1.08	71	0.36	24	s	sw	
41.15	42.67	1.52	1.11	73	0.83	55	ms	sw	
42.67	44.20	1.53	1.17	76	0.25	16	s	fr	
44.20	45.72	1.52	1.09	72	0.70	46	s	fr	
45.72	47.24	1.52	1.28	84	0.00	0	mw	fr	
47.24	48.77	1.53	1.26	82	0.62	41	mw	fr	
48.77	50.29	1.52	1.19	78	0.46	30	ms	fr	
50.29	51.82	1.53	1.30	85	0.99	65	s	fr	
51.82	53.34	1.52	1.20	79	1.05	69	ms	fr	
53.34	54.86	1.52	1.44	95	0.96	63	ms	fr	
54.86	56.39	1.53	1.45	95	1.21	79	ms	fr	
56.39	57.91	1.52	1.19	78	0.93	61	ms	fr	
57.91	59.44	1.53	1.38	90	0.94	61	ms	fr	
59.44	60.96	1.52	1.22	80	1.12	74	ms	fr	
60.96	62.48	1.52	1.28	84	0.49	32	ms	fr	
62.48	64.01	1.53	1.16	76	0.26	17	ms	fr	
64.01	65.53	1.52	1.17	77	0.77	51	ms	fr	
65.53	67.06	1.53	1.31	86	1.14	75	s	fr	
67.06	68.58	1.52	1.28	84	0.14	9	ms	fr	
68.58	70.10	1.52	1.11	73	0.55	36	ms	fr	
70.10	71.63	1.53	0.99	65	0.00	0	mw	fr	
71.63	73.15	1.52	1.04	68	0.20	13	mw	fr	
73.15	74.68	1.53	1.19	78	0.32	21	ms	fr	
74.68	76.20	1.52	1.27	84	0.00	0	mw	fr	
76.20	77.72	1.52	1.07	70	0.67	44	ms	fr	
77.72	79.25	1.53	1.23	80	0.89	58	s	fr	
79.25	80.77	1.52	1.41	93	1.33	88	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
80.77	82.30	1.53	1.32	86	1.05	69	ms	fr	
82.30	83.82	1.52	1.39	91	1.24	82	ms	fr	
83.82	85.34	1.52	1.52	100	0.72	47	w	fr	
85.34	86.87	1.53	1.40	92	1.13	74	ms	fr	
86.87	88.39	1.52	1.21	80	0.44	29	ms	fr	
88.39	89.92	1.53	1.29	84	0.76	50	ms	fr	
89.92	91.44	1.52	1.49	98	1.16	76	ms	fr	
91.44	92.96	1.52	1.35	89	0.88	58	ms	fr	
92.96	94.49	1.53	1.25	82	1.07	70	ms	fr	
94.49	96.01	1.52	1.38	91	1.29	85	ms	fr	
96.01	97.54	1.53	1.44	94	1.44	94	ms	fr	
97.54	99.06	1.52	1.14	75	0.41	27	ms	fr	
99.06	100.58	1.52	1.37	90	0.95	63	ms	fr	
100.58	102.11	1.53	1.35	88	0.56	37	ms	fr	
102.11	103.63	1.52	1.07	70	0.70	46	ms	fr	
103.63	105.16	1.53	1.21	79	0.69	45	ms	fr	
105.16	106.68	1.52	1.08	71	0.00	0	ms	fr	
106.68	108.20	1.52	1.16	76	0.44	29	ms	fr	
108.20	109.73	1.53	1.49	97	1.21	79	ms	fr	
109.73	111.25	1.52	1.46	96	1.44	95	ms	fr	
111.25	112.78	1.53	1.30	85	1.18	77	ms	fr	
112.78	114.30	1.52	1.16	76	0.41	27	ms	fr	
114.30	115.82	1.52	1.51	99	1.32	87	s	fr	
115.82	117.35	1.53	1.36	89	0.67	44	s	fr	
117.35	118.87	1.52	1.03	68	0.00	0	ms	fr	
118.87	120.40	1.53	0.87	57	0.12	8	ms	fr	
120.40	121.92	1.52	1.18	78	0.53	35	ms	fr	
121.92	123.44	1.52	1.52	100	1.26	83	s	fr	
123.44	124.97	1.53	1.48	97	1.14	75	s	fr	
124.97	126.49	1.52	1.54	101	1.41	93	s	fr	
126.49	128.02	1.53	1.48	97	1.30	85	vs	fr	
128.02	129.54	1.52	1.44	95	1.08	71	vs	fr	
129.54	131.06	1.52	1.40	92	0.53	35	s	fr	
131.06	132.59	1.53	1.54	101	1.07	70	ms	fr	
132.59	134.11	1.52	1.49	98	1.28	84	s	fr	
134.11	135.64	1.53	1.50	98	1.25	82	ms	fr	
135.64	137.16	1.52	1.53	101	1.07	70	ms	fr	
137.16	138.68	1.52	1.51	99	0.60	39	s	fr	
138.68	140.21	1.53	1.49	97	0.16	10	ms	fr	
140.21	141.73	1.52	1.37	90	0.11	7	mw	fr	
141.73	143.26	1.53	1.19	78	0.00	0	mw	fr	
143.26	144.78	1.52	1.48	97	1.14	75	ms	fr	
144.78	146.30	1.52	1.39	91	1.25	82	ms	fr	
146.30	147.83	1.53	1.25	82	0.96	63	ms	fr	
147.83	149.35	1.52	1.30	86	1.10	72	ms	fr	
149.35	150.88	1.53	1.38	90	0.89	58	ms	fr	
150.88	152.40	1.52	1.42	93	1.24	82	mw	fr	
152.40	153.92	1.52	1.28	84	0.78	51	mw	fr	
153.92	155.45	1.53	1.19	78	0.43	28	mw	fr	
155.45	156.97	1.52	1.54	101	0.73	48	mw	fr	
156.97	158.50	1.53	1.49	97	1.06	69	ms	fr	
158.50	160.02	1.52	1.53	101	1.12	74	ms	fr	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
160.02	161.54	1.52	1.41	93	0.94	62	ms	fr	
161.54	163.07	1.53	1.50	98	1.09	71	s	fr	
163.07	164.59	1.52	1.47	97	1.34	88	s	fr	
164.59	166.12	1.53	1.36	89	0.81	53	ms	fr	
166.12	167.64	1.52		0		0	s	fr	
167.64	169.16	1.52	1.37	90	0.84	55	s	fr	
169.16	170.69	1.53	0.99	65	0.20	13	s	fr	
170.69	172.21	1.52	1.16	76	0.42	28	w	fr	
172.21	173.74	1.53	1.35	88	1.10	72	ms	fr	
173.74	175.26	1.52	1.40	92	0.97	64	vs	fr	
175.26	175.87	0.61	0.44	72	0.00	0	s	fr	
175.87	176.78	0.91	0.77	85	0.00	0	vs	fr	
176.78	179.83	3.05	2.41	79	1.60	52	vs	fr	
179.83	181.36	1.53	0.81	53	0.14	9	vs	fr	
181.36	182.88	1.52	1.21	80	0.44	29	vs	fr	
182.88	184.40	1.52	1.01	66	0.82	54	vs	fr	
184.40	185.93	1.53	1.13	74	0.62	41	vs	fr	
185.93	187.45	1.52	1.14	75	0.71	47	vs	fr	
187.45	188.98	1.53	1.25	82	1.18	77	vs	fr	
188.98	190.50	1.52	0.77	51	0.50	33	ms	fr	
190.50	192.02	1.52	0.86	57	0.27	18	ms	fr	
192.02	193.55	1.53	0.85	56	0.43	28	ms	fr	
193.55	195.07	1.52	0.86	57	0.18	12	ms	fr	
195.07	196.60	1.53	0.68	44	0.10	7	ms	fr	
196.60	198.12	1.52	1.29	85	0.43	28	ms	fr	
198.12	199.64	1.52	1.06	70	0.61	40	ms	fr	
199.64	201.17	1.53	0.41	27	0.00	0	ms	fr	
201.17	202.69	1.52	1.05	69	0.28	18	ms	fr	
202.69	204.22	1.53	0.24	16	0.16	10	w	fr	
204.22	205.74	1.52	1.22	80	0.00	0	w	fr	
205.74	207.26	1.52	1.15	76	0.11	7	w	fr	
207.26	208.79	1.53	1.08	71	0.00	0	ms	fr	
208.79	210.31	1.52	1.09	72	0.62	41	ms	fr	
210.31	211.84	1.53	1.10	72	0.53	35	ms	fr	
211.84	213.36	1.52	1.02	67	0.23	15	ms	fr	
213.36	214.88	1.52	1.26	83	0.76	50	ms	fr	
214.88	216.41	1.53	1.31	86	0.84	55	ms	fr	
216.41	217.93	1.52	1.17	77	0.47	31	w	fr	
217.93	219.46	1.53	1.06	69	0.50	33	w	fr	
219.46	220.98	1.52	0.90	59	0.40	26	w	fr	
E.O.H									

SAMPLE LOG

HOLE: OC-11-23

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample	Batch	Ag (g/t)	Pb (ppm)	Zn (ppm)	Comments
190.45	192.02	1.57	0.90	57	I383077	15	<0.01	1	10	
192.02	195.07	3.05	1.71	56	I383078	15	<0.01	1	12	
195.07	198.12	3.05	1.97	65	I383079	15	<0.01	1	15	
198.12	201.17	3.05	1.47	48	I383080	15	0.01	2	21	
201.17	204.22	3.05	1.29	42	I383081	15	<0.01	2	24	
204.22	207.26	3.04	2.37	78	I383082	15	0.01	2	32	
207.26	208.79	1.53	1.08	71	I383083	15	<0.01	1	14	
208.79	211.84	3.05	2.19	72	I383084	15	<0.01	2	18	
					I383085	15	<0.01	1	16	Blank
211.84	212.35	1.57	0.53	34	I383086	15	0.01	2	19	
212.35	213.36	3.05	0.53	17	I383087	15	0.01	3	16	
					I383088	15	150.00	47000	47800	Standard OC-4
213.36	216.41	1.57	2.57	164	I383089	15	0.01	3	34	
216.41	219.50	3.05	2.33	76	I383090	15	0.05	5	42	
219.50	220.98	3.05	0.80	26	I383091	15	0.13	7	51	

DENSITY LOG

HOLE: OC-11-23

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
33.00				14.5	6.1	1192.0	772.3	2.84	2.84
58.10				15.1	6.1	1243.9	796.6	2.85	2.78
66.15				15.0	6.1	1239.2	804.2	2.86	2.85
97.05				15.7	6.1	1257.0	806.2	2.77	2.79
126.25				14.7	6.1	1220.6	791.2	2.87	2.84
152.60				14.6	6.1	1196.7	765.2	2.83	2.77

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-23

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
14.00			0.01	
15.00			0.00	
16.00			0.01	
17.00			0.03	
18.00			0.01	
19.00			0.00	
20.00			0.01	
21.00			0.03	
22.00			0.00	
23.00			0.00	
24.00			0.03	
25.00			0.00	
26.00			0.01	
27.00			0.00	
28.00			0.00	
29.00			0.01	
30.00			0.01	
31.00			0.03	
32.00			0.01	
33.00			0.01	
34.00			0.03	
35.00			0.01	
36.00			0.03	
37.00			0.01	
38.00			0.01	
39.00			0.00	
40.00			0.00	
41.00			0.00	
42.00			0.00	
43.00			0.06	
44.00			0.00	
45.00			0.00	
46.00			0.01	
47.00			0.01	
48.00			0.00	
49.00			0.00	
50.00			0.00	
51.00			0.08	
52.00			0.00	
53.00			0.00	
54.00			0.01	
55.00			0.00	
56.00			0.00	
57.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
58.00			0.00	
59.00			0.00	
60.00			0.00	
61.00			0.00	
62.00				
63.00				
64.00				
65.00				
66.00				
67.00				
68.00				
69.00				
70.00				
71.00				
72.00				
73.00				
74.00				
75.00				
76.00				
77.00				
78.00				
79.00				
80.00				
81.00				
82.00				
83.00				
84.00				
85.00				
86.00				
87.00				
88.00				
89.00				
90.00				
91.00				
92.00				
93.00				
94.00				
95.00				
96.00				
97.00				
98.00				
99.00				
100.00				
101.00				
102.00				
103.00				

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
104.00				
105.00				
106.00				
107.00				
108.00				
109.00				
110.00				
111.00			0.01	
112.00			0.01	
113.00			0.01	
114.00			0.00	
115.00			0.00	
116.00			0.00	
117.00			0.00	
118.00			0.00	
119.00			0.00	
120.00			0.00	
121.00			0.00	
122.00			0.01	
123.00			0.00	
124.00			0.00	
125.00			0.00	
126.00			0.00	
127.00			0.00	
128.00			0.00	
129.00			0.00	
130.00			0.01	
131.00			0.00	
132.00			0.00	
133.00			0.01	
134.00			0.01	
135.00			0.00	
136.00			0.00	
137.00			0.00	
138.00			0.00	
139.00			0.00	
140.00			0.01	
141.00			0.00	
142.00			0.00	
143.00			0.00	
144.00			0.00	
145.00			0.00	
146.00			0.00	
147.00			0.01	
148.00			0.00	
149.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
150.00			0.01	
151.00			0.01	
152.00			0.09	
153.00			0.00	
154.00			0.00	
155.00			0.00	
156.00			0.01	
157.00			0.01	
158.00			0.01	
159.00			0.00	
160.00			0.00	
161.00			0.00	
162.00			0.01	
163.00			0.00	
164.00			0.00	
165.00			0.00	
166.00			0.01	
167.00			0.00	
168.00			0.00	
169.00			0.00	
170.00			0.00	
171.00			0.00	
172.00			0.00	
173.00			0.00	
174.00			0.00	
175.00			0.10	
176.00			0.16	
177.00			0.03	
178.00			0.11	
179.00			0.18	
180.00			0.10	
181.00			0.01	
182.00			0.00	
183.00			0.03	
184.00			0.03	
185.00			0.03	
186.00			0.00	
187.00			0.10	
188.00			0.05	
189.00			0.11	
190.00			0.10	
191.00			0.10	
192.00			0.15	
193.00			0.08	
194.00			0.03	
195.00			0.08	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
196.00			0.03	
197.00			0.01	
198.00			0.00	
199.00			0.05	
200.00			n/a	
201.00			0.03	
202.00			0.03	
203.00			0.13	
204.00			n/a	
205.00			0.08	
206.00			n/a	
207.00			0.06	
208.00			n/a	
209.00			0.01	
210.00			0.10	
211.00			0.18	
212.00			0.05	
213.00			0.05	
214.00			0.03	
215.00			0.08	
216.00			0.01	
217.00			0.05	
218.00			0.03	
219.00			0.08	
220.00			n/a	

BOX LOG

HOLE: OC-11-23

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	7.62	13.26	36	140.55	143.81
2	13.26	17.10	37	143.81	147.97
3	17.10	21.14	38	147.97	151.80
4	21.14	24.76	39	151.80	155.12
5	24.76	28.96	40	155.12	158.74
6	28.96	32.91	41	158.74	162.42
7	32.91	36.58	42	162.42	166.12
8	36.58	39.91	43	166.12	170.05
9	39.91	43.78	44	170.05	174.40
10	43.78	47.24	45	174.40	177.24
11	47.24	50.88	46	177.24	182.32
12	50.88	54.47	47	182.32	186.28
13	54.47	58.41	48	186.28	190.93
14	58.41	62.24	49	190.93	194.88
15	62.24	65.89	50	194.88	198.62
16	65.89	69.52	51	198.62	204.20
17	69.52	72.82	52	204.20	207.10
18	72.82	76.20	53	207.10	210.36
19	76.20	80.44	54	210.36	213.98
20	80.44	84.10	55	213.98	217.18
21	84.10	87.24	56	217.18	230.79
22	87.24	91.34	57	230.79	220.98
23	91.34	95.31	58	220.98	
24	95.31	99.06	59	0.00	
25	99.06	102.85	60	0.00	
26	102.85	106.68	61	0.00	
27	106.68	110.37	62	0.00	
28	110.37	114.30	63	0.00	
29	114.30	117.92	64	0.00	
30	117.92	121.88	65	0.00	
31	121.88	125.69	66	0.00	
32	125.69	129.54	67	0.00	
33	129.54	133.22	68	0.00	
34	133.22	137.16	69	0.00	
35	137.16	140.55	70	0.00	

RAU PROPERTY

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
09+700NE	10+050NW	516798	7127259	751	211.84

ZONE: OCELOT

SECTION: 09+700NE

HOLE: OC-11-24

CLAIM: YC69325

Contractor: Superior

Drill:

Core size: HQ

Casing depth: 12.19 (m) out

Drilling dates: July 6 to 10, 2011

Geology logged by: Gavin Titley

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	145	-50.0	compass	120.40	146.5	-46.5	Ranger
28.96	144.7	-49.4	Ranger	150.88	146.6	-45.6	Ranger
59.44	145.2	-48.1	Ranger	181.36	148.1	-45.2	Ranger
89.92	145.5	-46.9	Ranger	211.83	150.4	-44.1	Ranger

TARGET: Southwest extension of structure

[illegible]

SAMPLES	
Numbers: No Samples	
Total: 0	
Batch:	
Certificate:	

COMMENTS	

GEOLOGY LOG

HOLE: OC-11-24

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (fta)	Density (frequency/m)	Dolomite	Marble	Graphite	Silica	Other		Pyrite	Galena	Sphalerite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
0.00	8.65	8.65				OVB																				No recovery	
8.65	13.72	5.07				OVB																				Overburden, assorted dolomite altered limestone rubble and limey muds.	
																										Creamy yellow grey, to light and dark grey, fine to medium grained, brecciated, moderately weathered, intensely dolomite altered, weakly marbly, weakly silica altered limestone. Weathering is marked by yellow orange staining of the core as well as rubbly to muddy zones of low recovery. Brecciation is crackle to solution collapse. Crackle breccia features dark grey silica and dolomite veins crackling creamy yellow grey dolomite altered limestone. Solution collapse breccia features dark grey silica and dolomite veinlets within light grey dolomite altered, marbly limestone. Yellow orange weathering is present primarily in the competent, less marbly regions.	
13.72	35.74	22.02				DOL	LST	BX					i	w		w	WEA	m								As general for crackle breccia, quite soft and sandy, not marbly.	
			13.72	15.11	1.39	DOL	LST	BX					i	w			WEA	m								Dark grey, dolomite altered limestone mud with brecciated pebbles, resembles overburden interval.	
			15.11	15.91	0.80	DOL	LST	BX					i													As general for crackle breccia, quite soft and sandy, not marbly.	
			15.91	19.91	4.00	DOL	LST	BX					i													Very weak yellow-grey dolomite altered limestone sand.	
			19.91	23.92	4.01	DOL	LST						i													Dark grey, dolomite altered limestone mud with brecciated pebbles, resembles overburden interval.	
			23.92	24.20	0.28	DOL	LST	BX					i													As general for crackle breccia, with some solution collapse breccia. Preferential crackle and solution collapse orientation of 30-50 to core axis.	
			24.20	26.30	2.10	DOL	LST	BX					i													As general description for yellow-grey sanc	
			26.30	27.50	1.20	DOL	LST	BX					i													Light grey, crackle to solution collapse breccia with dark silica/dolomite cracks instead of predominantly dolomite. Core is mottled with round, <1mm specs of silica.	
			27.50	32.20	4.70	DOL	LST	BX					i													30-50° to core axis orientation of breccia.	
			32.20	33.70	1.50	DOL	LST		BX	40																Grey-brown dolomite altered limestone mud	
																										As general for crackle and solution collaps breccias mostly light grey to white.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION						
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Marble	Graphite	Silica	Other		Pyrite	Galena			Sphalerite	Other		Other		
																	Type	Intensity						Type	Intensity			
			34.74	144.98	110.24	DOL	LST	BX	i				m			m	WEA	t									Light to dark grey, to yellow-grey, fine to medium grained, brecciated intensely dolomite altered, moderately silica altered, marbly limestone with trace weathering. Brecciation varies from crackle to solution collapse, mosaic and tectonic. Crackle breccia is defined by up to 1mm thick, dakr grey, fine grained, dolomite, silica, or very fine grained sulfide mineralisation within a lighter marbly dolomite altered limestone host. Solution collapse breccia features thicker veins of dark grey silica or dolomite, often isolating up to 7cm large, sub-angular clasts of marbly dolomite. Mosaic and tectonic breccias feature light, sub-angular to sub-rounded dolomite altered limestone clasts supported by a dark silicate matrix. Yellow stain is sometimes apparent in mosaic/tectonic breccia regions. Core is primarily competent, with isolated weaker to rubbly zones of lower recovery. Trace pyrite mineralization in lower portion of the interval as small blebs, or within the silicate marble matrix.	
			34.74	47.58	12.84																							Weakly yellow-orange weathered, solution collapse brecciated region as in general description, with crackle breccia texture in regions where solution collapse breccia is not as widely propagated.
									BX	40																		30-50° to core axis orientation of crackle breccia.
			47.58	49.62	2.04	DOL	LST	BX	i																			Crackle breccia as in the general description
			49.62	51.68	2.06	DOL	LST	BX	i																			Strong tectonic breccia as in the general description some orange-yellow weathering present.
			51.68	68.58	16.90	DOL	LST	BX	i																			Competent to blocky solution collapse brecciated region as in the general description. Core is duller, less marbly than usual.
			68.58	71.02	2.44	DOL	LST	BX	i																			Strongly solution collapse brecciated region as in the general description, with trace very fine grained dark pyrite (pyrobitumen?) accompanying silicate veinlets within brecciation.
			71.02																									Light grey, crackle brecciated region as in genera description. Core competent.
									BX	75		15																Thinner, up to 1mm thick, older crackle breccia cracks oriented at 70-80° to core axis at a density of 10-20/m.

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION						MINERALS						Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Marble	Graphite	Silica	Other		Pyrite	Galena	Sphalerite	Other		Other			
																	Type	Intensity				Type	Intensity	Type			Intensity
									BX	40	180	6														Thicker, up to 1cm thick, younger breccia oriented at 30-50° to core axis, 180° to older breccia, 3-15/m	
			80.02	80.27	0.25	DOL			BN	45	180															Dark grey, almost un-brecciated limestone band oriented at 40-50° to core axis, 180° to older breccia with trace fine grained pyrite on lower contact.	
			80.27	93.69	13.42	DOL	LST	BX	BX	35			i													Moderately solution collapse brecciated region as in the general description. Sub-preferential 30-40 to core axis orientation of solution collapse breccia veinlets. Trace fine grained pyrite mineralization within solution collapse breccia texture. Thin, short 'fishscale' crackling between solution collapse brecciated regions contains very fine grained pyrite mineralization. (Also black pyrobitumen?)	
			93.69	93.94	0.25	DOL	SIL	BN	BN	80						i										Banded, intensely silica altered limestonem dark silicate bands within lighter silica altered limestone. Banding oriented at 70-90° to core axis.	
			93.94	96.06	2.12	DOL	SIL	BX								i										Intensely solution collapse brecciated, intensely silica altered limeston as in general description. Trace pyrite mineralization in blebs within solution collapse breccia.	
			96.06	138.90	42.84	DOL	LST	BX					i													Crackle breccia as in the general description. Host dolomite is strongly marbelized. Trace fine grained pyrite visible on some fracture faces.	
			138.90	142.00	3.10	DOL	LST	BX					i													Light grey dolomite altered limestone rubble. Very soft and gougy in regions.	
			138.90	139.40	0.50																					Very soft and gougy region	
			141.30	141.50	0.20																					Very soft and gougy region	
			142.00	144.90	2.90	DOL	LST	BX																		Light grey, crackle brecciated , fine to medium grained, intensely dolomite altered, moderately strongly silica altered, fairly graphitic limestone. Crackle breccia texture features a greater density of <1mm thick, dark silica/graphite crackling at no particular orientation. Silicate alteration is visible as harder, pearlier grey regions within the dolomite altered limestone. Core is blocky with graphite alteration visible on fracture faces. Trace marble alteration in lower portion of the interval.	

GEOLOGY LOG

INTERVAL			SUB-INTERVAL			LITHOLOGY			STRUCTURE				ALTERATION					MINERALS					Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Modifier	Texture	Type	Attitude (tca)	Attitude (tfa)	Density (frequency/m)	Dolomite	Marble	Graphite	Silica	Other		Pyrite	Galena	Sphalerite	Other			Other		
																	Type	Intensity				Type			Intensity	Type	Intensity
144.90	145.40	0.50				DOL	LST	BX					i														Medium to dark and light grey, medium to fine grained, brecciated, marbly dolomite altered limestone with intense silica alteration and trace graphite/carbon alteration? Breccia is solution collapse to tectonic. Solution collapse breccia is characterised by dark grey to black silica infilling of karst like sparry dolomite. Solution collapse breccia isolates angular to sub-angular, up to 7cm large clasts of marbly dolomite altered limestone. Tectonic breccia texture is present only in bands of dark grey silica with lighter marbly dolomite altered limestone clasts, 1.5cm large sub-rounded to sub-angular, elongated along banding.
			144.90	145.40	0.50	MBL	SIL	BX	CN																	White, medium grained marble with black silicate crackling. Very hard and competent upper contact. Banding orientation at 40-6° to core axis. 2 total such regions. Core is competent and very hard.	
									BN	50	<1															Tectonic breccia band as in general description	
			149.96	150.06	0.10																					Tectonic breccia band as in general description	
			153.85	154.02	0.17																						
157.68	208.96	51.28				DOL	LST	BX																		Predominantly light grey, medium to fine grained, brecciated, weakly silica, moderately marble, intensely dolomite altered limestone. Brecciation is mostly crackle, featuring up to 2cm thick, dark dolomite/silica crackling of lighter, marbly dolomite altered limestone. Core is competent to rubbly with distinct zones of low competence, weak sand or gouge. Somewhat faulty looking zone, but lighter and more competent than the target usually is manifested as. Trace fine grained pyrite on fracture faces and within the crystal structure of the lighter core.	
			164.12	165.00	0.88																					Light to medium grey, dolomite altered limestone gouge. Not well concreted together.	
			170.22	170.42	0.20																					Dark grey limestone sand/mud	
			206.20	207.59	1.39																					light grey, fine grained dolomite altered limestone mud.	
208.96	211.84	2.88				DOL	LST	BX					i			i										medium to dark and light grey, medium to fine grained, brecciated, intensely silica and dolomite altered limestone. Brecciation is crackle to solution collapse. Breccia textures as described for 144.96-157.68.	
211.84						EOH																				End of hole, targeted depth/zone passec	

GEOTECHNICAL LOG

HOLE: OC-11-24

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
8.65	9.14	0.49	0.50	102	0	0	EW	EW	
9.14	10.67	1.53	0.36	24	0.12	8	VW	SW	
10.67	12.19	1.52	0.35	23	0.00	0	VW	SW	
12.19	13.72	1.53	0.30	20	0.00	0	VW	SW	
13.72	15.24	1.52	0.94	62	0.13	9	VW	FR	
15.24	16.76	1.52	0.35	23	0.00	0	VW	FR	
16.76	18.29	1.53	1.80	118	0.23	15	MS	FR	
18.29	19.81	1.52	1.04	68	0.12	8	W	FR	
19.81	21.34	1.53	0.39	25	0.00	0	EW	FR	
21.34	22.40	1.06	0.35	33	0.00	0	EW	FR	
22.40	23.92	1.52	0.19	13	0.00	0	EW	FR	
23.92	25.90	1.98	1.02	52	0.53	27	MS	FR	
25.90	27.43	1.53	0.46	30	0.00	0	VW	FR	
27.43	28.96	1.53	1.04	68	0.37	24	W	FR	
28.96	30.17	1.21	0.61	50	0.22	18	MS	FR	
30.17	31.09	0.92	0.62	67	0.13	14	MS	FR	
31.09	32.00	0.91	0.54	59	0.00	0	W	FR	
32.00	33.53	1.53	0.77	50	0.00	0	EW	FR	
33.53	35.05	1.52		0		0	W	FR	
35.05	36.58	1.53	0.42	27	0.27	18	MS	FR	
36.58	38.10	1.52	0.68	45	0.18	12	MSA	FR	
38.10	39.62	1.52	1.14	75	0.77	51	S	FR	
39.62	41.15	1.53	1.09	71	0.16	10	MS	FR	
41.15	42.67	1.52	0.93	61	0.35	23	MS	FR	
42.67	44.19	1.52	1.06	70	0.78	51	S	FR	
44.19	45.72	1.53	1.18	77	0.76	50	S	FR	
45.72	47.24	1.52	1.29	85	0.76	50	S	FR	
47.24	48.77	1.53	1.20	78	1.01	66	S	FR	
48.77	50.29	1.52	1.29	85	1.06	70	S	FR	
50.29	51.82	1.53	11.20	732	1.20	78	S	FR	
51.82	53.34	1.52	0.90	59	0.90	59	MS	FR	
53.34	54.86	1.52	0.95	63	0.95	63	MS	FR	
54.86	56.39	1.53	1.09	71	1.09	71	S	FR	
56.39	57.91	1.52	0.98	64	0.31	20	S	FR	
57.91	59.44	1.53	1.20	78	0.70	46	S	FR	
59.44	60.96	1.52	1.02	67	0.48	32	S	FR	
60.96	62.48	1.52	1.01	66	0.37	24	S	FR	
62.48	64.01	1.53	1.16	76	0.37	24	MS	FR	
64.01	65.53	1.52	1.08	71	0.55	36	MS	FR	
65.53	68.58	3.05	1.31	43	0.47	15	S	FR	
68.58	70.10	1.52	1.37	90	0.59	39	S	FR	
70.10	71.63	1.53	1.45	95	0.99	65	S	FR	
71.63	73.15	1.52	1.15	76	0.76	50	S	FR	
73.15	74.68	1.53	1.32	86	0.82	54	S	FR	
74.68	76.20	1.52	1.24	82	0.75	49	S	FR	
76.20	77.72	1.52	1.44	95	0.70	46	S	FR	
77.72	79.25	1.53	1.28	84	1.10	72	S	FR	
79.25	80.77	1.52	1.29	85	0.62	41	S	FR	
80.77	82.30	1.53	1.35	88	0.55	36	S	FR	
82.30	83.52	1.22	1.07	88	0.91	75	S	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
83.52	85.04	1.52	1.30	86	0.90	59	S	FR	
85.04	86.56	1.52	1.34	88	0.95	63	VS	FR	
86.56	88.09	1.53	1.32	86	0.85	56	VS	FR	
88.09	89.31	1.22	1.15	94	1.10	90	VS	FR	
89.31	90.98	1.67	1.17	70	1.14	68	VS	FR	
90.98	92.05	1.07	0.93	87	0.74	69	VS	FR	
92.05	93.57	1.52	1.24	82	0.90	59	VS	FR	
93.57	94.49	0.92	0.95	103	0.91	99	VS	FR	
94.49	96.01	1.52	1.20	79	0.67	44	VS	FR	
96.01	97.54	1.53	0.65	42	0.12	8	MS	FR	
97.54	99.06	1.52	1.12	74	0.18	12	MS	FR	
99.06	100.58	1.52	1.13	74	0.15	10	MS	FR	
100.58	102.11	1.53	1.33	87	0.75	49	S	FR	
102.11	103.63	1.52	1.10	72	0.12	8	MS	FR	
103.63	105.16	1.53	1.36	89	0.87	57	S	FR	
105.16	106.68	1.52	1.11	73	0.52	34	S	FR	
106.68	108.20	1.52	1.30	86	0.76	50	S	FR	
108.20	109.73	1.53	1.21	79	0.69	45	S	FR	
109.73	111.25	1.52	1.08	71	0.34	22	MS	FR	
111.25	112.78	1.53	0.85	56	0.00	0	S	FR	
112.78	114.30	1.52	1.34	88	0.70	46	S	FR	
114.30	115.82	1.52	1.14	75	0.26	17	S	FR	
115.82	117.35	1.53	1.16	76	0.11	7	MS	FR	
117.35	118.87	1.52	1.02	67	0.41	27	MS	FR	
118.87	120.40	1.53	0.94	0	0.10	7	MS	FR	
120.40	121.92	1.52	0.72	47	0.00	0	MS	FR	
121.92	123.44	1.52	0.94	62	0.00	0	MS	FR	
123.44	124.97	1.53	1.25	82	0.87	57	S	FR	
124.97	126.49	1.52	1.27	84	0.82	54	S	FR	
126.49	128.02	1.53	1.10	72	0.71	46	S	FR	
128.02	129.54	1.52	1.34	88	0.40	26	S	FR	
129.54	131.06	1.52	1.36	89	0.35	23	S	FR	
131.06	132.59	1.53	1.38	90	0.43	28	S	FR	
132.59	134.11	1.52	1.35	89	0.92	61	S	FR	
134.11	135.64	1.53	1.35	88	0.70	46	S	FR	
135.64	137.16	1.52	1.72	113	0.50	33	S	FR	
137.16	138.64	1.48	1.46	99	1.45	98	S	FR	
138.64	140.21	1.57	1.03	66	0.00	0	W	FR	
140.21	141.73	1.52	1.22	80	0.00	0	W	FR	
141.73	143.26	1.53	1.20	78	0.16	10	MS	FR	
143.26	144.78	1.52	1.38	91	0.65	43	S	FR	
144.78	146.30	1.52	1.23	81	1.13	74	S	FR	
146.30	147.83	1.53	1.40	92	1.29	84	S	FR	
147.83	149.35	1.52	1.38	91	1.22	80	VS	FR	
149.35	150.88	1.53	1.52	99	1.52	99	VS	FR	
150.88	152.40	1.52	1.49	98	1.49	98	VS	FR	
152.40	153.92	1.52	1.52	100	1.44	95	VS	FR	
153.92	155.45	1.53	1.27	83	1.10	72	VS	FR	
155.45	156.97	1.52	1.35	89	1.27	84	VS	FR	
156.97	158.50	1.53	1.41	92	1.04	68	VS	FR	
158.50	160.02	1.52	1.16	76	0.58	38	S	FR	
160.02	161.54	1.52	1.20	79	0.44	29	MS	FR	

GEOTECHNICAL LOG

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	Hardness	Weathering	Comments
161.54	163.07	1.53	1.25	82	0.48	31	MS	FR	
163.07	164.59	1.52	1.09	72	0.60	39	S	FR	
164.59	166.12	1.53	1.05	69	0.00	0	VW	FR	
166.12	167.64	1.52	1.17	77	0.00	0	W	FR	
167.64	169.16	1.52	1.30	86	0.60	39	W	FR	
169.16	170.69	1.53	0.96	63	0.00	0	W	FR	
170.69	172.21	1.52	1.37	90	0.00	0	MS	FR	
172.21	173.74	1.53	1.22	80	0.38	25	MS	FR	
173.74	175.26	1.52	1.34	88	0.58	38	MS	FR	
175.26	176.78	1.52	1.20	79	0.31	20	S	FR	
176.78	178.31	1.53	1.28	84	1.00	65	S	FR	
178.31	179.83	1.52	1.35	89	0.98	64	S	FR	
179.83	181.36	1.53	1.34	88	0.66	43	MS	FR	
181.36	182.88	1.52	1.04	68	0.00	0	S	FR	
182.88	184.40	1.52	1.44	95	0.90	59	MS	FR	
184.40	185.93	1.53	1.07	70	0.14	9	MS	FR	
185.93	187.45	1.52	1.28	84	0.88	58	MS	FR	
187.45	188.98	1.53	1.16	76	0.00	0	MS	FR	
188.98	190.50	1.52	1.29	85	0.00	0	MS	FR	
190.50	192.02	1.52	1.28	84	0.69	45	S	FR	
192.02	193.55	1.53	1.38	90	1.24	81	S	FR	
193.55	195.07	1.52	1.20	79	0.88	58	S	FR	
195.07	196.60	1.53	1.37	90	1.00	65	S	FR	
196.60	198.12	1.52	1.23	81	1.03	68	S	FR	
198.12	199.64	1.52	1.35	89	0.78	51	S	FR	
199.64	201.17	1.53	1.32	86	1.16	76	MS	FR	
201.17	202.69	1.52	1.19	78	0.21	14	MS	FR	
202.69	203.91	1.22	1.15	94	0.20	16	MS	FR	
203.91	205.44	1.53	1.19	78	0.48	31	MS	FR	
205.44	206.96	1.52	1.17	77	0.25	16	MS	FR	
206.96	208.48	1.52	1.26	83	0.64	42	MS	FR	
208.48	208.79	0.31	0.29	94	0.00	0	MS	FR	
208.79	210.31	1.52	1.25	82	1.05	69	S	FR	
210.31	211.84	1.53	1.22	80	0.72	47	S	FR	
EOH									

DENSITY LOG

HOLE: COC-11-24

Depth (m)	Unit	Modifier	Comments	Length (cm)	Diameter (cm)	Dry weight	Wet Weight	Density	Specific Gravity
49.80				15.0	6.1	1274.5	770.5	2.91	2.53
69.05				14.6	6.1	1106.6	677.4	2.59	2.58
93.70				14.4	6.1	1145.7	710.5	2.72	2.63
112.90				14.4	6.1	1183.1	737.7	2.81	2.66
147.50				15.1	6.1	1241.9	780.7	2.82	2.69
153.34				15.0	6.1	1214.3	759.3	2.77	2.67
183.14				15.0	6.1	1190.0	735.5	2.71	2.62

MAGNETIC SUSCEPTIBILITY LOG

HOLE: OC-11-24

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
1.00			N/A	
2.00			N/A	
3.00			N/A	
4.00			N/A	
5.00			N/A	
6.00			N/A	
7.00			N/A	
8.00			N/A	
9.00			N/A	
10.00			0.01	
11.00			N/A	
12.00			N/A	
13.00			N/A	
14.00			0.00	
15.00			0.03	
16.00			0.00	
17.00			0.00	
18.00			0.00	
19.00			0.00	
20.00			0.00	
21.00			0.00	
22.00			0.00	
23.00			N/A	
24.00			0.00	
25.00			0.00	
26.00			0.00	
27.00			0.01	
28.00			0.01	
29.00			0.00	
30.00			0.01	
31.00			0.00	
32.00			0.00	
33.00			0.01	
34.00			0.00	
35.00			0.00	
36.00			0.00	
37.00			0.00	
38.00			0.00	
39.00			0.00	
40.00			0.00	
41.00			0.00	
42.00			0.01	
43.00			0.00	
44.00			0.01	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
45.00			0.00	
46.00			0.01	
47.00			0.03	
48.00			0.03	
49.00			0.00	
50.00			0.00	
51.00			0.00	
52.00			0.00	
53.00			0.00	
54.00			0.00	
55.00			0.01	
56.00			0.00	
57.00			0.00	
58.00			0.00	
59.00			0.00	
60.00			0.00	
61.00			0.00	
62.00			0.00	
63.00			0.00	
64.00			0.00	
65.00			0.00	
66.00			0.00	
67.00			0.00	
68.00			0.01	
69.00			0.00	
70.00			0.00	
71.00			0.00	
72.00			0.00	
73.00			0.00	
74.00			0.00	
75.00			0.00	
76.00			0.00	
77.00			0.00	
78.00			0.00	
79.00			0.00	
80.00			0.01	
81.00			0.00	
82.00			0.00	
83.00			0.00	
84.00			0.00	
85.00			0.05	
86.00			0.00	
87.00			0.00	
88.00			0.00	
89.00			0.00	
90.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
91.00			0.00	
92.00			0.00	
93.00			0.01	
94.00			0.00	
95.00			0.00	
96.00			0.01	
97.00			0.00	
98.00			0.00	
99.00			0.00	
100.00			0.00	
101.00			0.00	
102.00			0.00	
103.00			0.00	
104.00			0.00	
105.00			0.00	
106.00			0.00	
107.00			0.00	
108.00			0.00	
109.00			0.00	
110.00			0.00	
111.00			0.00	
112.00			0.00	
113.00			0.00	
114.00			0.01	
115.00			0.00	
116.00			0.00	
117.00			0.00	
118.00			0.00	
119.00			0.00	
120.00			0.00	
121.00			0.00	
122.00			0.00	
123.00			0.00	
124.00			0.00	
125.00			0.00	
126.00			0.00	
127.00			0.00	
128.00			0.00	
129.00			0.00	
130.00			0.00	
131.00			0.00	
132.00			0.00	
133.00			0.00	
134.00			0.00	
135.00			0.00	
136.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
137.00			0.01	
138.00			0.01	
139.00			0.00	
140.00			0.01	
141.00			0.01	
142.00			0.00	
143.00			0.00	
144.00			0.01	
145.00			0.00	
146.00			0.00	
147.00			0.00	
148.00			0.00	
149.00			0.00	
150.00			0.00	
151.00			0.00	
152.00			0.00	
153.00			0.00	
154.00			0.00	
155.00			0.00	
156.00			0.00	
157.00			0.00	
158.00			0.00	
159.00			0.01	
160.00			0.00	
161.00			0.01	
162.00			0.00	
163.00			0.05	
164.00			0.00	
165.00			0.00	
166.00			0.00	
167.00			0.00	
168.00			0.00	
169.00			0.00	
170.00			0.05	
171.00			0.01	
172.00			0.00	
173.00			0.01	
174.00			0.00	
175.00			0.01	
176.00			0.01	
177.00			0.06	
178.00			0.01	
179.00			0.00	
180.00			0.00	
181.00			0.00	
182.00			0.00	

MAGNETIC SUSCEPTIBILITY LOG

Depth (m)	Unit	Modifier	Magnetic Susceptibility	Comments
183.00			0.01	
184.00			0.01	
185.00			0.01	
186.00			0.00	
187.00			0.03	
188.00			0.03	
189.00			N/A	
190.00			0.01	
191.00			0.00	
192.00			0.00	
193.00			0.01	
194.00			0.01	
195.00			0.01	
196.00			0.00	
197.00			0.05	
198.00			0.00	
199.00			0.00	
200.00			0.01	
201.00			0.00	
202.00			0.00	
203.00			0.01	
204.00			0.01	
205.00			0.00	
206.00			0.01	
207.00			0.00	
208.00			0.01	
209.00			0.01	
210.00			0.01	
211.00			0.01	
EOH				

BOX LOG

HOLE: OC-11-24

BOX	FROM (m)	TO (m)	BOX	FROM (m)	TO (m)
1	8.65	14.16	35	140.89	144.10
2	14.16	17.92	36	144.10	148.02
3	17.92	22.00	37	148.02	151.92
4	22.00	27.43	38	151.92	155.76
5	27.43	31.21	39	155.76	159.51
6	31.21	36.58	40	159.51	162.76
7	36.58	40.47	41	162.76	166.56
8	40.47	44.19	42	166.56	170.30
9	44.19	48.15	43	170.30	173.40
10	48.15	52.00	44	173.40	176.78
11	52.00	55.83	45	176.78	180.22
12	55.83	59.50	46	180.22	183.81
13	59.50	62.98	47	183.81	187.15
14	62.98	66.35	48	187.15	190.15
15	66.35	70.10	49	190.15	193.42
16	70.10	73.92	50	193.42	196.83
17	73.92	77.92	51	196.83	200.24
18	77.92	81.70	52	200.24	203.66
19	81.70	85.58	53	203.66	207.11
20	85.58	89.31	54	207.11	210.67
21	89.31	93.57	55	210.67	211.84
22	93.57	98.08	EOH		
23	98.08	101.62			
24	101.62	105.16			
25	105.16	108.75			
26	108.75	112.78			
27	112.78	116.27			
28	116.27	119.64			
29	119.64	123.14			
30	123.14	126.82			
31	126.82	130.05			
32	130.05	133.85			
33	133.85	137.31			
34	137.31	140.89			

APPENDIX III
CERTIFICATES OF ANALYSIS



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 23- MAY- 2011
Account: RCM

CERTIFICATE WH11079191

Project: Rackla Gold (Tiger)

P.O. No.: Batch1

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11079191

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075051		11.24	0.01	0.23	0.64	9	70	0.09	0.03	19.75	6.26	9.58	2.5	16	0.21	10.1
G075052		7.52	<0.01	0.23	0.50	11	200	0.17	0.02	19.20	10.05	9.54	2.3	14	0.32	14.3
G075053		11.00	<0.01	0.20	0.67	10	840	0.33	0.01	19.80	2.24	7.92	2.1	13	0.51	7.0
G075054		6.36	<0.01	0.14	0.66	6	820	0.29	0.01	19.80	2.02	7.11	2.1	12	0.52	8.7
G075055		11.77	<0.01	0.06	0.12	<5	140	0.07	<0.01	21.7	1.14	2.65	1.6	6	0.13	2.7
G075056		3.86	0.04	48.6	0.07	1890	60	<0.05	1.37	9.07	13.20	1.55	1.4	<1	0.09	83.9
G075057		7.32	0.04	0.02	0.06	<5	10	<0.05	0.02	23.8	0.08	1.44	1.1	<1	0.15	1.8
G075058		9.16	<0.01	0.34	0.24	20	180	0.19	<0.01	20.9	1.47	5.08	2.0	14	0.28	4.8
G075059		11.84	<0.01	0.21	0.45	21	110	0.20	<0.01	19.95	2.22	6.95	2.8	12	0.36	6.5
G075060		10.54	<0.01	0.64	0.22	52	50	0.13	<0.01	21.0	5.18	3.81	1.7	7	0.25	2.3
G075061		2.85	0.01	6.87	0.29	664	50	0.11	0.04	14.85	278	4.28	1.8	13	0.48	55.2
G075062		2.54	<0.01	0.56	0.11	76	10	0.09	<0.01	20.7	2.00	3.28	1.5	4	0.15	1.7
G075063		0.11	0.48	>100	4.52	8720	150	0.84	0.19	1.96	262	33.5	14.5	40	7.33	939
G075064		11.08	<0.01	0.09	0.12	7	10	0.11	0.01	20.7	0.70	3.63	0.9	1	0.12	1.0
G075065		7.59	<0.01	0.09	0.52	22	280	0.18	0.02	20.6	0.23	10.15	2.3	8	0.58	3.6
G075066		6.83	0.01	0.10	0.08	103	250	0.08	<0.01	20.4	0.35	4.35	1.3	3	0.07	1.8
G075067		2.44	0.11	8.01	0.10	2070	80	0.07	0.91	13.95	293	6.66	0.9	1	0.19	608
G075068		5.98	0.41	44.6	0.08	3330	70	<0.05	7.54	1.16	>1000	1.72	0.4	1	0.21	1480
G075069		6.99	0.01	0.03	0.09	6	20	0.06	0.03	23.9	0.64	1.82	1.2	<1	0.22	2.8
G075070		4.71	0.01	0.77	0.26	73	250	0.15	0.08	22.5	1.39	8.54	1.6	4	0.51	4.4
G075071		6.13	0.08	33.2	0.19	1060	30	0.12	0.18	11.65	88.3	2.56	1.2	5	1.17	65.2
G075072		7.78	<0.01	1.59	6.46	25.8	640	1.71	0.30	4.43	2.57	72.5	12.7	50	9.95	23.2
G075073		7.03	<0.01	0.22	3.19	16.4	180	0.88	0.14	7.53	0.76	38.4	6.6	27	3.12	12.0
G075074		1.18	<0.01	0.20	0.45	7	200	0.18	0.01	12.70	0.20	9.93	1.4	7	0.68	5.0
G075075		3.46	0.01	0.36	0.67	19	550	0.27	1.30	13.00	0.22	7.29	3.1	11	1.48	5.4
G075076		7.77	0.05	0.22	1.09	40	200	0.43	7.61	17.40	0.09	2.89	7.6	19	0.49	4.4
G075077		8.50	0.01	0.04	0.30	8	2420	0.11	0.08	20.1	0.03	2.84	2.0	7	0.20	5.0
G075078		3.89	<0.01	0.19	4.23	31	60	0.52	0.11	13.60	0.15	6.70	18.9	81	1.94	10.0
G075079		6.90	<0.01	0.05	0.83	5	1090	0.13	0.07	19.55	0.04	3.12	4.6	20	0.38	4.7
G075080		7.87	<0.01	0.04	0.56	7	1530	0.16	0.02	18.55	0.03	6.94	2.7	12	0.40	3.9
G075081		5.63	<0.01	0.14	0.18	90	60	0.11	0.03	20.5	0.38	3.01	1.0	4	0.19	1.5
G075082		2.16	0.10	3.32	0.12	3060	30	0.05	1.65	9.82	7.39	3.91	3.7	<1	0.46	22.7
G075083		8.01	<0.01	0.15	0.15	34	20	0.09	0.03	20.4	0.23	3.28	1.5	4	0.20	2.1
G075084		8.91	0.02	0.28	0.19	90	60	0.13	0.24	20.2	0.20	3.60	1.4	6	0.26	2.7
G075085		0.06	NSS	>100	4.58	8970	140	0.96	0.17	2.03	271	31.4	13.9	41	7.41	969
G075086		2.35	0.02	4.48	0.16	1320	40	0.08	2.43	8.90	4.56	2.00	1.1	2	0.28	18.6



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11079191

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
G075051		0.72	1.88	0.11	0.4	0.012	0.04	5.1	5.9	12.60	200	7.07	0.01	2.9	19.9	2080
G075052		2.49	1.37	0.07	0.3	0.008	0.07	5.9	5.9	11.70	364	2.30	0.01	2.4	17.8	1410
G075053		0.83	2.07	0.07	0.4	0.005	0.30	4.4	4.5	11.95	224	3.72	0.01	3.0	12.3	760
G075054		0.81	2.04	0.08	0.4	0.006	0.29	3.9	4.5	11.90	219	2.90	0.01	3.0	12.4	710
G075055		0.26	0.47	0.12	0.1	0.005	0.05	1.5	1.7	12.90	274	0.49	0.01	0.7	5.3	100
G075056		23.2	1.32	0.53	<0.1	2.22	0.03	0.9	1.4	5.40	1220	0.79	<0.01	0.8	4.6	20
G075057		0.51	0.25	0.22	<0.1	0.005	0.02	0.7	1.0	14.20	241	0.09	<0.01	0.2	1.6	200
G075058		0.52	0.92	0.05	0.1	0.082	0.10	2.8	3.7	12.60	577	1.19	0.01	1.5	9.1	270
G075059		0.57	1.30	0.06	0.3	0.029	0.22	3.7	3.2	12.00	330	2.37	0.01	2.3	16.7	150
G075060		0.41	1.06	0.11	0.1	0.277	0.11	2.2	2.2	12.75	425	3.54	0.01	1.2	6.0	50
G075061		3.28	9.88	0.08	0.2	31.7	0.14	2.8	3.9	8.70	1660	4.59	0.01	1.4	9.5	70
G075062		0.55	0.54	0.05	0.1	0.042	0.05	1.8	2.1	12.50	384	1.78	0.01	0.8	6.2	50
G075063		11.70	13.85	0.41	1.2	0.648	2.46	15.9	27.8	0.32	2010	9.75	0.03	5.9	23.3	390
G075064		0.27	0.44	0.33	0.1	0.098	0.05	1.9	2.5	12.60	324	1.09	<0.01	0.7	2.4	50
G075065		0.44	1.60	0.07	0.2	0.101	0.21	5.5	4.8	12.55	393	0.38	0.01	1.2	4.5	180
G075066		0.68	0.41	0.09	<0.1	0.117	0.03	2.5	2.2	12.45	459	0.23	0.01	0.4	2.2	110
G075067		7.76	7.56	0.17	0.1	129.5	0.05	5.2	2.3	8.20	2320	0.17	0.01	0.4	1.6	110
G075068		20.9	23.8	0.42	<0.1	279	0.04	0.8	2.2	0.59	346	0.36	<0.01	0.4	2.5	170
G075069		0.50	0.35	0.27	<0.1	0.213	0.03	0.9	1.2	14.25	222	0.08	<0.01	0.3	1.9	200
G075070		0.57	0.93	0.17	0.1	0.421	0.12	4.9	3.7	13.45	911	0.99	<0.01	1.1	3.2	180
G075071		4.85	1.77	0.10	0.1	4.20	0.06	1.1	7.6	6.89	994	0.93	0.01	0.4	5.6	100
G075072		3.45	18.60	0.17	1.4	0.160	3.08	34.4	18.9	2.93	710	0.58	0.06	10.1	26.7	620
G075073		1.93	8.92	0.09	1.0	0.068	1.53	19.0	8.6	4.45	705	1.14	0.03	4.0	12.6	810
G075074		0.35	1.39	<0.05	0.2	0.038	0.19	4.8	3.3	7.65	376	0.36	0.01	0.9	3.4	710
G075075		0.79	1.98	<0.05	0.3	0.260	0.24	4.0	4.1	7.88	321	0.74	0.01	1.1	10.0	440
G075076		1.99	2.75	0.06	0.4	0.032	0.48	1.5	6.6	10.75	343	1.29	0.01	1.0	31.7	210
G075077		0.33	0.49	<0.05	0.1	0.013	0.09	1.5	3.3	12.35	257	0.33	0.01	0.6	6.8	160
G075078		3.60	4.73	<0.05	1.1	0.019	0.98	2.4	25.2	8.47	142	0.94	0.03	3.9	72.3	430
G075079		0.79	1.21	<0.05	0.3	0.006	0.33	1.9	5.1	12.00	172	2.73	0.02	1.0	18.6	150
G075080		0.48	1.12	0.12	0.3	0.005	0.23	3.9	4.7	11.85	143	1.98	<0.01	1.8	10.9	310
G075081		0.80	0.67	0.06	0.1	0.069	0.08	1.6	1.6	12.60	530	0.96	0.01	0.8	2.8	40
G075082		24.1	1.21	0.43	0.1	1.315	0.05	2.6	1.0	5.80	1680	1.12	<0.01	1.0	24.3	50
G075083		0.55	0.58	0.09	0.1	0.068	0.05	1.8	2.4	12.30	623	8.04	0.01	0.8	5.2	30
G075084		0.96	0.90	<0.05	0.1	0.212	0.09	2.0	2.6	12.15	764	2.76	0.01	1.1	5.0	40
G075085		12.20	13.20	0.36	1.2	0.642	2.53	14.7	27.5	0.33	2140	10.35	0.03	6.3	24.5	400
G075086		23.8	1.37	0.41	0.1	1.440	0.07	1.2	1.4	5.33	667	3.15	0.01	1.1	8.7	30



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11079191

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075051		8.0	2.3	0.030	0.56	2.24	1.9	3	0.2	82.1	0.15	<0.05	1.3	0.047	0.30	27.2
G075052		9.3	3.0	0.017	1.43	4.32	1.5	4	0.2	76.3	0.13	<0.05	1.0	0.036	0.64	27.6
G075053		6.2	11.3	0.015	0.58	2.02	1.6	3	0.2	67.1	0.16	<0.05	1.1	0.047	0.42	15.5
G075054		4.8	10.9	0.011	0.62	2.17	1.6	3	0.2	66.7	0.16	<0.05	1.1	0.046	0.43	14.9
G075055		5.2	3.2	0.003	0.14	0.84	0.6	1	0.3	69.5	<0.05	<0.05	0.2	0.011	0.16	4.7
G075056		>10000	2.0	0.012	>10.0	157.0	0.3	3	30.4	20.4	<0.05	0.11	<0.2	0.006	1.37	1.7
G075057		6.5	1.3	<0.002	0.01	0.07	0.2	1	<0.2	48.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075058		69.7	5.4	0.006	0.45	1.95	1.0	2	1.7	71.1	0.07	<0.05	0.5	0.024	0.31	6.8
G075059		30.7	9.8	0.010	0.52	2.22	1.4	2	0.7	68.0	0.13	<0.05	0.8	0.042	0.53	5.9
G075060		94.2	5.5	0.005	0.51	1.41	0.8	2	1.9	82.3	0.06	<0.05	0.4	0.021	0.24	2.7
G075061		1470	8.5	0.009	8.03	12.30	1.0	11	23.6	50.8	0.07	0.13	0.5	0.025	0.63	3.1
G075062		102.5	3.1	0.006	0.53	1.54	0.7	2	1.3	60.3	<0.05	<0.05	0.3	0.012	0.16	3.0
G075063		>10000	226	0.021	>10.0	230	7.8	44	20.0	129.5	0.43	0.05	4.7	0.228	4.24	4.3
G075064		11.8	2.6	0.003	0.15	1.10	0.5	1	0.7	63.3	<0.05	<0.05	0.3	0.011	0.14	2.9
G075065		11.5	13.8	0.002	0.35	0.93	1.1	1	0.9	153.5	0.07	<0.05	1.0	0.025	0.17	3.1
G075066		17.5	1.9	<0.002	0.69	0.55	0.3	1	0.6	145.0	<0.05	<0.05	0.2	0.005	0.05	1.6
G075067		128.0	3.0	0.002	>10.0	31.0	0.6	11	282	66.7	<0.05	0.71	0.2	<0.005	0.23	1.0
G075068		1800	3.0	0.003	>10.0	153.5	0.1	34	>500	7.7	<0.05	5.94	<0.2	<0.005	0.52	0.6
G075069		2.4	1.7	<0.002	0.03	0.13	0.3	1	0.6	49.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G075070		314	6.3	0.005	0.61	2.64	0.8	1	5.0	125.0	0.06	0.06	0.6	0.020	0.41	2.4
G075071		679	4.8	0.046	7.14	87.0	0.5	5	40.3	64.1	<0.05	0.11	0.2	0.007	3.35	2.7
G075072		36.0	123.5	0.004	3.55	13.40	13.0	2	4.9	43.6	0.70	<0.05	11.0	0.281	2.14	17.9
G075073		12.9	74.4	0.004	1.80	4.76	6.5	1	1.4	61.9	0.28	<0.05	5.9	0.122	0.98	14.8
G075074		4.4	14.2	0.002	0.27	1.64	1.2	1	0.8	86.5	0.06	<0.05	1.3	0.023	0.56	2.0
G075075		11.8	16.3	0.014	0.82	11.75	1.6	1	3.5	92.5	0.06	0.08	1.0	0.039	2.19	2.4
G075076		6.9	22.1	0.010	2.33	4.24	2.5	2	2.7	99.9	<0.05	0.24	0.3	0.065	0.51	2.1
G075077		3.0	4.2	0.003	0.39	0.98	1.3	1	0.5	101.0	<0.05	<0.05	0.2	0.024	0.17	1.3
G075078		6.3	38.9	0.009	4.34	5.18	8.0	1	1.7	70.1	0.21	<0.05	0.9	0.317	0.76	5.7
G075079		4.1	10.1	0.004	0.99	1.63	1.5	1	0.5	65.7	0.05	<0.05	0.3	0.047	0.36	1.5
G075080		3.3	6.0	0.006	0.57	1.20	1.1	1	0.3	48.8	0.13	<0.05	0.6	0.053	0.30	2.0
G075081		5.2	3.4	0.003	0.81	0.93	0.6	1	0.7	59.8	<0.05	<0.05	0.3	0.016	0.13	3.0
G075082		352	3.4	0.115	>10.0	39.2	0.8	6	13.2	22.1	<0.05	0.46	0.2	0.010	2.24	3.7
G075083		6.8	3.3	0.009	0.45	1.12	0.6	1	0.9	66.3	<0.05	<0.05	0.3	0.013	0.17	3.3
G075084		15.2	5.2	0.007	1.13	2.07	0.7	1	2.0	59.1	0.05	<0.05	0.3	0.019	0.24	3.2
G075085		>10000	220	0.021	>10.0	238	7.2	42	19.7	131.0	0.43	<0.05	4.3	0.234	4.12	4.1
G075086		727	4.7	0.022	>10.0	23.3	0.4	3	13.0	22.2	<0.05	0.31	0.3	0.015	0.61	2.8



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11079191

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075051		104	0.3	4.2	1500	15.5			
G075052		77	0.7	5.0	4930	13.1			
G075053		88	1.1	3.0	1080	14.4			
G075054		80	0.5	3.0	942	14.4			
G075055		18	0.2	1.3	458	2.9			
G075056		8	7.3	1.1	2920	1.5		1.650	
G075057		<1	0.1	0.9	15	<0.5			
G075058		27	0.4	2.3	328	6.1			
G075059		32	0.3	2.3	571	10.4			
G075060		7	0.5	1.8	1500	5.5			
G075061		18	3.9	3.4	>10000	7.1			7.45
G075062		10	0.5	1.5	985	3.0			
G075063		73	5.8	8.9	>10000	40.8	679	1.845	2.64
G075064		9	0.2	1.6	640	2.9			
G075065		19	0.2	3.4	206	7.7			
G075066		11	0.2	1.5	253	1.9			
G075067		9	2.6	1.6	>10000	2.1			6.76
G075068		4	3.6	0.5	>10000	0.9			26.3
G075069		<1	0.2	0.9	145	<0.5			
G075070		14	0.4	2.6	395	5.5			
G075071		13	1.0	1.6	>10000	3.5			2.25
G075072		66	4.9	12.3	880	60.5			
G075073		36	1.2	11.3	368	37.2			
G075074		15	1.3	4.8	64	9.3			
G075075		11	2.8	3.7	128	12.0			
G075076		16	3.5	2.4	38	12.5			
G075077		9	0.6	1.7	29	4.4			
G075078		61	3.7	4.3	99	37.5			
G075079		16	0.6	1.0	27	8.0			
G075080		11	0.5	1.6	16	8.5			
G075081		12	0.3	1.4	603	3.5			
G075082		10	1.9	2.3	4990	3.6			
G075083		10	0.3	1.8	680	3.2			
G075084		8	0.4	1.9	90	4.6			
G075085		75	5.9	8.6	>10000	40.2	651	1.805	2.60
G075086		10	1.8	1.1	1840	4.2			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23- MAY- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11079191

Method	CERTIFICATE COMMENTS
ALL METHODS ME- MS61 ME- MS61	NSS is non- sufficient sample. Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 27- MAY- 2011
Account: RCM

CERTIFICATE WH11081012

Project: Rackla Gold (Tiger)

P.O. No.: Batch 3

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn- VOL50	Zn by titration	

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081012

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075124		2.03	0.14	29.8	0.31	987	30	0.11	2.60	7.65	276	2.43	0.9	8	1.07	1045
G075125		5.82	0.01	0.14	0.41	11	840	0.28	0.02	20.1	0.64	8.09	1.5	15	0.34	9.6
G075126		9.91	<0.01	0.23	0.29	12	340	0.12	0.04	19.95	0.48	4.68	1.7	10	0.31	6.7
G075127		9.09	0.01	1.09	0.19	47	80	0.07	0.06	19.10	9.44	3.92	1.5	6	0.21	5.4
G075128		9.51	0.06	13.35	0.13	1835	140	<0.05	1.77	3.45	14.70	1.59	0.7	2	0.14	9.3
G075129		5.63	0.06	2.63	0.11	1615	20	<0.05	1.60	7.60	0.76	5.11	0.5	7	0.11	6.0
G075130		5.73	0.04	4.99	0.21	1645	40	<0.05	0.38	0.36	14.70	14.75	0.8	18	0.31	14.6
G075131		0.05	0.25	>100	5.81	4690	150	0.60	0.15	2.40	139.5	31.1	10.9	49	4.31	500
G075132		7.95	0.16	>100	0.09	5920	90	0.06	7.46	0.21	614	2.41	1.0	2	0.16	1315
G075133		10.40	0.05	11.10	0.08	7220	30	<0.05	0.16	0.07	876	1.91	0.6	1	0.12	219
G075134		8.86	0.06	>100	0.08	6300	40	<0.05	1.45	0.08	>1000	8.17	0.5	4	0.10	321
G075135		7.25	0.01	0.07	0.07	15	20	<0.05	0.02	20.4	1.16	1.20	1.1	1	0.18	4.6
G075136		8.11	0.55	>100	0.08	>10000	30	<0.05	2.06	0.67	736	68.5	0.4	<1	0.12	274
G075137		3.79	0.51	>100	0.09	>10000	40	<0.05	3.40	1.05	778	96.1	0.3	<1	0.15	294
G075138		7.56	0.44	50.4	0.06	8150	20	<0.05	5.39	0.98	>1000	28.6	0.4	2	0.06	414
G075139		14.04	0.40	>100	0.13	5230	60	<0.05	29.1	0.95	325	5.74	1.0	4	0.58	2180
G075140		14.79	0.22	>100	0.15	5250	80	0.06	11.80	0.09	638	1.93	0.6	5	0.37	920
G075141		10.97	0.06	81.5	0.08	6410	50	<0.05	1.06	0.11	521	0.46	0.4	2	0.15	176.0
G075142		9.90	0.12	>100	0.08	5760	70	<0.05	0.81	0.04	981	2.12	0.3	5	0.19	321
G075143		12.11	0.09	43.1	0.08	1995	30	<0.05	1.76	0.09	403	1.91	0.4	4	0.23	203
G075144		0.06	0.14	61.1	3.61	165.0	300	0.23	57.4	2.10	374	10.25	78.4	86	2.41	>10000
G075145		13.67	0.10	31.3	0.09	2560	100	0.05	1.58	0.38	136.0	2.57	0.5	4	0.16	163.5
G075146		14.37	0.17	55.7	0.11	3540	30	<0.05	23.5	0.70	41.3	3.33	0.4	4	0.18	801
G075147		9.57	0.24	>100	0.18	>10000	30	<0.05	58.8	1.03	478	6.59	0.5	4	0.29	3360
G075148		7.10	0.01	0.21	0.06	13	10	<0.05	0.07	19.80	0.30	1.09	1.0	3	0.10	4.0
G075149		10.01	0.01	1.06	0.19	91	140	0.11	0.22	18.90	0.71	5.09	1.2	9	0.19	10.3
G075150		11.10	0.01	0.26	0.18	25	100	0.08	0.06	19.55	0.13	3.74	1.0	6	0.16	2.9
G075151		9.84	0.01	0.26	0.20	23	80	0.10	0.04	20.0	0.23	4.14	1.4	7	0.18	3.3
G075152		11.31	<0.01	0.17	0.08	11	950	0.06	0.02	19.85	0.42	2.60	1.0	4	0.10	4.1
G075153		11.61	<0.01	0.20	0.07	30	120	0.06	0.02	19.90	1.11	3.30	0.8	4	0.07	4.2
G075154		5.81	0.01	0.59	0.31	180	350	0.19	0.03	19.25	7.96	8.47	1.9	9	0.26	11.3
G075155		6.98	0.26	>100	0.16	1360	120	0.09	0.45	12.60	284	6.52	0.8	6	0.19	1775
G075156		8.63	0.04	77.2	0.30	976	80	0.16	15.60	16.15	193.0	7.27	1.1	9	0.44	742
G075157		4.90	<0.01	0.29	0.11	19	130	0.05	0.03	20.1	1.26	1.75	1.1	3	0.09	5.1
G075158		6.81	<0.01	0.24	0.09	16	120	<0.05	0.05	21.0	1.43	1.76	0.9	3	0.08	3.5
G075159		3.41	0.44	41.1	0.10	5060	30	<0.05	104.0	0.54	42.5	14.20	0.9	6	0.17	1210



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081012

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075124		6.04	5.42	0.13	0.2	212	0.10	0.6	3.3	4.06	1620	1.74	<0.01	1.1	10.5	1960
G075125		0.29	1.32	0.16	0.2	0.041	0.14	5.0	3.6	11.80	330	1.81	0.02	1.5	11.3	5850
G075126		0.41	0.93	0.16	0.1	0.264	0.13	2.5	2.9	11.50	514	4.10	0.01	1.5	8.6	140
G075127		0.61	1.01	0.15	0.1	0.394	0.08	2.0	3.0	11.10	596	1.84	0.01	1.1	5.2	50
G075128		29.7	1.25	0.52	0.1	0.579	0.06	1.0	1.0	1.91	240	2.23	<0.01	1.2	4.4	40
G075129		17.00	0.75	0.28	0.1	1.250	0.04	3.7	1.6	4.45	379	1.71	<0.01	0.9	3.3	40
G075130		34.4	3.17	0.61	0.2	1.775	0.09	12.2	0.7	0.18	277	4.12	<0.01	1.1	6.8	80
G075131		8.20	12.70	0.27	1.3	0.349	1.70	14.6	19.7	0.84	1480	7.57	1.21	5.2	25.6	530
G075132		28.2	31.3	0.45	0.1	61.3	0.03	1.4	1.2	0.10	256	1.41	<0.01	0.7	8.8	30
G075133		28.7	19.95	0.38	0.1	59.5	0.03	1.6	0.6	0.04	210	1.68	<0.01	0.7	6.8	10
G075134		12.60	26.8	0.21	0.1	107.5	0.04	8.4	0.7	0.04	290	2.25	<0.01	0.6	5.6	10
G075135		0.46	0.29	0.20	<0.1	0.086	0.02	0.6	0.8	12.60	208	0.12	<0.01	0.3	2.3	220
G075136		22.2	24.0	0.44	<0.1	73.6	0.01	69.5	0.2	0.32	743	1.22	<0.01	0.5	8.5	40
G075137		19.00	25.2	0.43	<0.1	76.9	0.01	96.7	0.3	0.49	1100	0.98	<0.01	0.5	8.7	50
G075138		14.90	47.5	0.30	<0.1	118.5	0.02	27.3	0.2	0.46	1290	1.49	<0.01	0.3	3.4	30
G075139		27.4	9.03	0.51	0.1	36.4	0.03	4.2	1.0	0.41	825	1.70	<0.01	0.7	17.6	390
G075140		27.0	12.25	0.44	0.1	43.2	0.04	0.9	0.9	0.06	163	2.02	<0.01	0.8	17.0	40
G075141		32.3	11.80	0.53	<0.1	24.2	0.03	<0.5	0.4	0.06	130	1.59	<0.01	0.8	7.8	30
G075142		26.6	19.40	0.47	0.1	51.4	0.04	1.6	0.4	0.02	191	1.35	<0.01	0.8	5.5	30
G075143		34.3	10.20	0.48	0.1	61.9	0.04	1.3	0.7	0.05	124	1.56	<0.01	0.8	5.8	30
G075144		16.90	14.10	0.48	0.4	2.70	0.64	4.0	25.6	1.20	671	37.0	0.70	1.9	42.7	400
G075145		37.9	3.69	0.57	0.1	34.1	0.04	1.7	0.9	0.19	276	5.58	<0.01	1.1	6.0	40
G075146		37.9	1.88	0.58	0.1	14.40	0.05	2.6	1.4	0.35	479	9.47	<0.01	1.1	4.7	20
G075147		30.1	9.68	0.50	0.1	21.8	0.09	5.0	1.7	0.53	491	10.15	<0.01	1.2	5.8	30
G075148		0.45	0.26	0.23	<0.1	0.035	0.02	0.5	0.7	12.25	202	0.07	0.01	0.4	2.2	170
G075149		0.72	0.83	<0.05	0.1	0.074	0.10	2.6	2.5	11.20	285	7.07	0.01	1.1	4.8	40
G075150		0.38	0.61	0.07	0.1	0.020	0.09	1.9	2.6	11.55	230	2.45	0.01	1.0	3.2	40
G075151		0.37	0.60	0.09	0.1	0.025	0.10	2.1	3.0	11.75	323	2.75	0.01	1.1	5.8	40
G075152		0.66	0.35	0.10	<0.1	0.053	0.03	1.5	2.0	11.65	218	0.52	0.01	0.5	3.6	520
G075153		0.45	0.47	0.13	<0.1	0.127	0.03	1.9	2.0	11.50	240	0.85	0.01	0.4	3.2	1400
G075154		2.38	1.80	0.08	0.2	0.805	0.14	5.2	2.9	11.00	508	5.30	0.01	1.5	14.6	1440
G075155		5.21	8.86	0.21	0.1	85.0	0.07	4.5	2.0	7.18	2410	1.03	<0.01	0.8	4.4	990
G075156		4.25	9.58	0.11	0.1	42.1	0.13	4.7	2.0	9.29	1360	0.87	0.01	1.3	6.9	1260
G075157		0.28	0.47	0.27	<0.1	0.130	0.04	1.0	1.9	12.55	253	0.85	0.01	0.5	2.8	210
G075158		0.36	0.38	0.08	<0.1	0.091	0.04	1.0	2.3	12.40	291	1.67	0.01	0.5	3.2	50
G075159		32.3	2.82	0.53	0.1	27.2	0.05	12.3	3.0	0.25	414	1.99	<0.01	0.9	8.4	110



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081012

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075124		1225	6.7	0.016	>10.0	356	0.6	7	450	66.6	0.05	0.21	0.2	0.018	2.00	19.7
G075125		9.1	4.8	0.020	0.37	2.52	1.1	2	0.8	96.4	0.08	<0.05	0.7	0.026	0.30	59.9
G075126		17.3	4.8	0.011	0.40	2.26	0.9	1	3.5	78.0	0.08	<0.05	0.5	0.025	0.24	5.4
G075127		301	5.3	0.005	0.77	3.94	0.7	1	2.9	58.4	0.06	<0.05	0.4	0.018	0.26	3.0
G075128		3680	4.5	0.007	>10.0	32.8	0.2	3	14.8	12.2	<0.05	0.47	0.2	0.014	0.27	1.0
G075129		255	3.4	0.006	>10.0	10.95	0.2	2	12.4	26.4	<0.05	0.30	0.3	0.012	0.24	1.8
G075130		583	7.6	0.016	>10.0	21.1	0.1	2	18.3	2.3	<0.05	0.07	0.6	0.014	0.64	1.5
G075131		8880	136.5	0.012	6.50	115.5	10.5	21	10.9	217	0.36	0.05	3.8	0.292	2.19	2.6
G075132		>10000	2.6	0.011	>10.0	1210	0.1	19	263	4.4	<0.05	3.84	<0.2	0.005	1.28	0.6
G075133		894	2.5	0.012	>10.0	34.9	<0.1	13	109.5	0.9	<0.05	1.49	<0.2	0.005	0.86	0.5
G075134		>10000	2.4	0.007	>10.0	495	<0.1	24	428	1.0	<0.05	6.25	<0.2	0.006	1.11	0.5
G075135		20.9	1.1	<0.002	0.05	0.15	0.3	1	0.3	44.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075136		>10000	1.0	0.041	>10.0	413	<0.1	39	358	2.2	<0.05	18.25	0.2	<0.005	2.84	1.6
G075137		>10000	0.7	0.034	>10.0	498	0.1	53	500	2.7	<0.05	29.3	0.2	<0.005	3.61	4.7
G075138		4650	1.1	0.003	>10.0	54.4	<0.1	39	222	2.3	<0.05	22.9	<0.2	<0.005	0.54	0.5
G075139		>10000	2.4	0.055	>10.0	1565	0.1	37	366	4.2	<0.05	21.8	<0.2	0.005	3.62	3.4
G075140		>10000	2.6	0.118	>10.0	663	0.1	28	194.5	6.8	<0.05	11.80	<0.2	0.005	3.66	3.4
G075141		>10000	2.3	0.043	>10.0	126.0	<0.1	30	87.5	1.4	<0.05	8.67	<0.2	<0.005	1.43	0.6
G075142		>10000	3.4	0.021	>10.0	181.5	0.1	32	173.5	1.3	<0.05	6.88	<0.2	<0.005	1.60	0.8
G075143		7180	3.6	0.058	>10.0	77.3	<0.1	13	118.0	1.0	<0.05	5.34	<0.2	0.005	1.01	0.8
G075144		>10000	24.4	0.019	>10.0	89.5	9.3	69	11.4	74.1	0.15	0.11	0.7	0.242	5.62	2.7
G075145		8060	2.7	0.030	>10.0	168.0	<0.1	8	66.8	1.5	<0.05	4.37	0.2	0.009	1.18	1.3
G075146		6100	3.2	0.019	>10.0	974	0.1	9	139.0	1.5	<0.05	1.55	<0.2	0.009	0.68	0.9
G075147		2570	6.7	0.012	>10.0	2160	0.1	26	214	2.5	<0.05	2.90	0.2	0.014	1.29	1.2
G075148		23.0	0.8	<0.002	0.05	2.30	0.3	1	0.4	43.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G075149		31.2	3.8	0.009	0.88	6.40	0.7	1	1.9	66.7	0.06	<0.05	0.4	0.020	0.22	3.4
G075150		15.5	3.4	0.005	0.44	1.57	0.6	1	1.3	72.4	0.05	<0.05	0.3	0.017	0.16	2.5
G075151		14.7	3.7	0.009	0.40	1.57	0.7	1	0.9	65.2	0.05	<0.05	0.4	0.019	0.19	2.5
G075152		20.6	2.1	0.004	0.23	1.29	0.4	1	0.6	65.1	<0.05	<0.05	0.2	0.006	0.11	8.8
G075153		8.8	1.8	0.002	0.39	1.57	0.4	1	0.9	57.7	<0.05	<0.05	<0.2	<0.005	0.09	17.6
G075154		27.2	6.0	0.026	2.27	3.90	0.9	2	2.4	68.9	0.08	0.05	0.6	0.022	0.51	15.9
G075155		>10000	4.0	0.007	>10.0	2740	0.5	36	91.3	32.5	<0.05	33.5	0.3	0.010	0.91	7.7
G075156		>10000	6.3	0.006	8.22	687	0.8	9	67.4	67.6	0.07	0.50	0.4	0.019	0.79	14.7
G075157		117.5	1.8	0.003	0.22	2.68	0.5	1	1.2	55.8	<0.05	<0.05	<0.2	0.007	0.10	3.1
G075158		38.9	2.6	0.004	0.28	1.87	0.3	1	0.9	64.2	<0.05	<0.05	<0.2	0.007	0.10	3.1
G075159		>10000	4.0	0.011	>10.0	5360	<0.1	23	>500	1.6	<0.05	2.43	0.2	0.008	9.07	1.8



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081012

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01
G075124		29	2.9	2.9	>10000	5.9			6.91	
G075125		53	0.8	4.9	93	7.5				
G075126		27	0.5	1.8	280	6.1				
G075127		9	0.6	1.6	2460	4.6				
G075128		9	4.4	0.6	3500	3.1				
G075129		12	2.6	1.1	304	4.0				
G075130		13	4.2	0.8	3280	6.0				
G075131		98	3.1	13.5	>10000	41.1	319		1.300	
G075132		6	11.2	0.3	>10000	2.1	220	5.04	13.40	
G075133		8	81.9	0.2	>10000	1.8			20.0	
G075134		5	36.7	0.3	>10000	2.5	424	17.50	29.2	
G075135		2	0.2	0.7	309	<0.5				
G075136		4	16.4	1.3	>10000	1.3	316	13.75	19.20	
G075137		4	9.4	1.7	>10000	1.6	367	18.75	19.50	
G075138		1	10.3	1.9	>10000	1.3			>30.0	42.33
G075139		11	3.7	1.4	>10000	3.0	449	10.30	7.79	
G075140		12	6.9	0.3	>10000	2.8	205	4.94	14.50	
G075141		6	1.6	0.2	>10000	1.4		2.24	12.35	
G075142		10	2.5	0.3	>10000	1.8	136	4.36	22.5	
G075143		9	3.9	0.3	>10000	2.1			10.15	
G075144		103	59.1	11.3	>10000	11.9		1.560	7.26	
G075145		7	5.6	0.4	>10000	2.5			3.28	
G075146		8	7.4	0.7	8740	2.5				
G075147		15	19.1	0.8	>10000	3.3	330		11.15	
G075148		1	0.1	0.6	78	<0.5				
G075149		9	0.5	2.2	315	4.7				
G075150		9	0.2	1.6	146	4.1				
G075151		10	0.2	1.8	215	5.0				
G075152		26	0.1	1.9	2230	1.9				
G075153		37	0.3	2.5	817	2.3				
G075154		87	0.8	3.1	5150	6.7				
G075155		36	4.4	2.3	>10000	3.5	200	10.05	7.09	
G075156		59	6.5	3.0	>10000	5.7		2.80	4.93	
G075157		8	0.1	0.9	548	1.4				
G075158		11	0.2	0.8	407	2.1				
G075159		13	15.1	0.6	>10000	2.6		3.07	1.340	



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27- MAY- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11081012

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**

**C/ O ARCHER, CATHRO & ASSOCIATES (1981) Finalized Date: 27- MAY- 2011
LIMITED**

**1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8**

**Page: 1
Account: RCM**

CERTIFICATE WH11081013

Project: Rackla Gold (Tiger)

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081013

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075160		5.37	0.02	0.95	0.08	662	120	<0.05	0.17	19.05	3.57	1.90	1.0	4	0.09	6.4
G075161		6.54	0.01	1.06	0.16	296	180	0.10	0.35	19.80	14.15	3.12	1.6	6	0.14	14.7
G075162		9.35	0.11	>100	0.10	3240	70	<0.05	8.61	0.99	43.8	1.04	0.8	1	0.15	262
G075163		5.38	0.10	16.10	0.09	2560	50	0.05	12.70	8.40	80.5	2.89	1.0	2	0.19	113.5
G075164		14.37	0.05	76.4	0.12	2180	110	0.05	10.25	0.94	89.4	5.88	0.8	5	0.21	569
G075165		10.72	0.02	>100	0.08	6370	60	<0.05	0.25	0.37	303	2.57	0.6	2	0.11	81.8
G075166		0.06	0.50	>100	4.68	9190	130	0.83	0.23	2.05	277	32.6	14.0	41	7.33	971
G075167		14.91	0.11	65.5	0.20	8270	70	0.06	2.53	1.83	236	9.43	1.2	5	0.22	338
G075168		6.37	0.04	20.9	0.14	2590	40	<0.05	0.15	0.32	659	9.04	0.6	5	0.16	141.0
G075169		14.13	0.03	10.70	0.16	5200	40	<0.05	0.05	0.10	465	15.50	0.6	8	0.17	78.7
G075170		15.56	0.01	13.65	0.10	2360	50	<0.05	0.05	0.05	2.83	6.19	0.4	9	0.12	16.7
G075171		13.28	<0.01	5.04	0.09	5980	80	<0.05	0.04	0.08	3.04	0.22	0.4	3	0.10	21.4
G075172		17.71	0.01	9.66	0.13	5340	90	<0.05	0.11	0.16	338	1.33	0.5	4	0.16	43.0
G075173		12.86	0.04	18.70	0.13	8960	80	<0.05	0.05	0.12	912	30.5	0.7	4	0.25	114.0
G075174		16.47	0.24	21.9	0.15	>10000	30	<0.05	1.74	0.15	439	22.7	0.7	5	0.14	643
G075175		12.18	0.06	22.2	0.18	>10000	20	<0.05	0.29	0.29	613	5.35	0.7	6	0.15	168.0
G075176		12.60	0.09	>100	0.16	>10000	40	<0.05	0.40	0.22	901	0.89	0.6	7	0.26	153.5
G075177		7.89	0.05	>100	0.10	>10000	20	<0.05	0.22	0.16	>1000	0.38	0.5	7	0.13	168.5
G075178		7.01	0.10	>100	0.17	8060	70	<0.05	4.24	0.05	>1000	5.38	0.7	7	0.25	326
G075179		7.22	<0.01	0.41	0.08	27	20	0.05	0.04	19.75	1.79	1.18	1.2	2	0.18	2.5
G075180		8.61	0.02	21.0	0.19	388	100	0.12	0.21	15.60	72.3	3.49	1.2	9	0.46	31.4
G075181		8.67	<0.01	0.29	0.18	12	960	0.10	0.03	17.10	0.75	3.95	1.1	10	0.20	3.1
G075182		4.01	<0.01	0.26	0.17	14	700	0.12	0.01	17.75	0.88	4.23	1.1	9	0.20	2.8
G075183		9.70	<0.01	0.08	0.21	11	70	0.15	0.02	20.6	0.38	3.97	1.3	7	0.15	2.4
G075184		11.85	0.01	0.05	0.21	10	80	0.12	0.02	20.5	0.27	5.57	1.7	5	0.19	2.9
G075185		8.82	<0.01	0.10	7.79	18.7	580	2.32	0.39	2.55	0.31	81.6	13.5	63	5.29	36.7
G075186		10.14	0.01	0.14	6.78	14.4	600	2.29	0.35	2.30	0.18	76.4	13.8	57	4.47	38.5
G075187		6.95	0.01	0.03	0.07	<5	20	0.05	0.02	20.8	0.09	1.23	1.2	1	0.12	3.1
G075188		4.97	<0.01	0.07	1.95	19	890	0.60	0.11	10.40	0.21	24.2	5.6	18	1.69	10.1
G075189		8.48	<0.01	0.07	1.58	11	1070	0.44	0.08	13.00	0.24	22.7	3.0	18	0.99	8.8
G075190		0.06	0.12	59.8	3.51	158.0	280	0.34	54.8	2.08	369	9.04	82.5	83	2.15	>10000
G075191		7.33	<0.01	0.04	0.83	15	410	0.29	0.03	16.75	0.14	10.40	1.6	12	0.38	4.4
G075192		4.58	<0.01	0.05	0.77	6	180	0.23	0.06	16.85	0.12	11.20	2.0	10	0.21	7.6
G075193		3.81	<0.01	0.06	0.15	<5	150	0.09	0.02	11.65	0.14	4.37	0.8	6	0.16	2.6
G075194		9.25	<0.01	0.04	0.22	<5	1180	0.08	0.05	14.25	0.14	4.86	0.8	5	0.11	2.8
G075195		9.04	<0.01	0.03	0.48	8	770	0.14	0.03	14.55	0.17	7.53	1.1	6	0.09	3.2



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081013

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075160		3.56	0.51	0.08	0.1	1.055	0.03	1.1	2.9	11.20	860	0.39	0.01	0.5	1.9	30
G075161		1.37	1.09	<0.05	0.1	1.065	0.06	1.8	3.7	11.65	590	1.64	0.01	0.9	5.5	40
G075162		33.3	2.88	0.48	0.1	33.6	0.05	0.7	1.7	0.48	610	1.16	<0.01	0.9	4.3	20
G075163		22.7	3.05	0.31	0.1	18.35	0.04	1.9	2.3	4.85	1530	1.52	<0.01	0.7	4.7	30
G075164		34.7	4.89	0.45	0.1	17.60	0.05	4.4	2.3	0.45	568	2.76	<0.01	0.9	5.4	40
G075165		34.1	5.22	0.53	<0.1	13.35	0.04	1.6	0.6	0.17	296	0.64	<0.01	1.0	4.6	100
G075166		12.10	13.15	0.35	1.5	0.682	2.51	14.7	22.9	0.32	2100	9.75	0.03	6.1	22.5	400
G075167		34.9	6.37	0.48	0.1	36.4	0.10	6.1	1.1	0.88	1630	0.72	<0.01	1.5	9.6	50
G075168		31.9	8.22	0.39	0.1	26.2	0.08	7.4	0.7	0.16	308	0.90	<0.01	1.0	4.0	30
G075169		33.2	5.10	0.40	0.1	17.95	0.08	13.7	0.8	0.06	132	1.69	<0.01	0.9	4.5	30
G075170		40.0	0.83	0.53	0.1	0.230	0.05	5.5	0.8	0.03	33	1.05	<0.01	1.1	2.9	10
G075171		42.3	0.69	0.55	0.1	0.256	0.05	<0.5	0.5	0.04	73	1.77	<0.01	1.0	3.2	<10
G075172		37.0	7.37	0.49	0.1	10.90	0.07	1.0	0.6	0.08	208	2.02	<0.01	1.0	5.1	<10
G075173		27.1	21.9	0.40	0.1	29.4	0.07	26.6	0.5	0.06	328	2.66	<0.01	0.9	7.7	30
G075174		32.2	5.78	0.50	0.1	27.6	0.07	16.8	1.0	0.08	162	3.15	<0.01	1.0	6.3	30
G075175		31.4	7.05	0.44	0.1	16.35	0.10	3.8	0.7	0.14	350	3.51	<0.01	1.1	6.2	40
G075176		23.2	14.20	0.47	0.1	32.4	0.09	0.6	1.0	0.10	451	2.03	<0.01	1.0	10.3	50
G075177		14.25	13.75	0.34	0.1	29.5	0.06	<0.5	0.5	0.07	347	2.04	<0.01	0.7	5.7	40
G075178		19.15	14.95	0.29	0.1	79.0	0.07	2.7	0.8	0.04	205	2.30	<0.01	0.8	9.6	30
G075179		0.46	0.35	0.24	<0.1	0.114	0.03	0.6	0.9	12.35	213	0.08	<0.01	0.3	1.9	190
G075180		2.84	1.67	0.07	0.1	1.890	0.06	1.7	3.2	9.40	614	2.93	0.01	1.0	4.7	70
G075181		0.59	0.44	<0.05	0.1	0.041	0.05	2.0	2.5	10.35	187	2.20	0.01	1.0	4.2	40
G075182		0.61	0.44	0.06	0.1	0.051	0.05	2.2	2.5	10.75	197	2.10	0.01	1.0	3.8	40
G075183		0.33	0.49	0.07	0.1	0.021	0.03	2.0	3.2	12.30	167	3.56	0.01	1.2	4.6	40
G075184		0.27	0.64	0.12	0.1	0.017	0.09	2.8	2.4	12.05	274	0.33	0.01	0.9	2.2	300
G075185		4.73	21.1	0.20	1.5	0.077	3.86	37.3	19.8	2.31	340	0.31	0.07	10.0	36.3	400
G075186		3.85	18.35	0.19	2.3	0.066	3.24	37.5	14.3	2.03	413	0.34	0.06	8.1	33.7	630
G075187		0.45	0.25	0.07	<0.1	0.007	0.03	0.6	0.8	12.20	201	0.08	<0.01	0.3	2.1	210
G075188		1.37	4.70	0.09	0.8	0.033	0.98	11.0	5.6	6.00	871	0.86	0.02	2.5	7.7	1010
G075189		0.79	3.95	0.07	0.9	0.019	0.54	10.7	6.8	8.08	483	1.44	0.01	4.1	10.0	2070
G075190		16.70	14.15	0.46	0.4	2.47	0.62	3.5	21.9	1.17	660	33.3	0.69	1.8	41.6	390
G075191		0.44	1.86	0.14	0.4	0.013	0.11	5.4	5.6	10.60	297	0.75	0.01	1.6	4.7	810
G075192		0.49	2.06	0.05	0.4	0.016	0.04	5.8	6.3	10.20	350	0.66	0.01	1.5	5.9	770
G075193		0.19	0.42	0.06	0.1	0.018	0.04	2.3	1.6	7.39	237	0.25	<0.01	0.4	1.6	160
G075194		0.20	0.56	0.10	0.1	0.017	0.02	2.2	3.5	8.59	181	0.19	<0.01	0.6	1.7	240
G075195		0.32	1.16	0.10	0.2	0.012	0.02	3.6	5.2	9.23	126	0.38	0.01	0.9	2.7	530



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081013

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075160		117.0	2.0	0.005	4.43	3.58	0.5	1	3.8	59.0	<0.05	<0.05	0.2	0.006	0.18	2.4
G075161		122.5	3.9	0.010	1.81	10.65	0.7	1	7.1	61.1	<0.05	<0.05	0.2	0.012	0.29	3.2
G075162		>10000	3.4	0.012	>10.0	464	0.1	5	160.5	2.2	<0.05	0.53	<0.2	0.007	1.24	1.2
G075163		2970	2.7	0.023	>10.0	71.7	0.3	7	81.2	20.5	<0.05	0.47	<0.2	0.006	0.77	1.7
G075164		6860	3.7	0.012	>10.0	575	0.1	6	50.9	3.2	<0.05	0.42	0.2	0.008	0.64	1.4
G075165		>10000	2.4	0.006	>10.0	228	0.1	11	153.0	1.7	<0.05	1.46	<0.2	0.006	0.72	1.6
G075166		>10000	231	0.020	>10.0	230	7.4	42	20.1	132.5	0.48	0.05	4.4	0.233	4.24	3.9
G075167		>10000	6.7	0.013	>10.0	416	0.2	16	173.0	3.8	0.07	3.12	0.2	0.021	1.05	1.3
G075168		5320	4.7	0.006	>10.0	110.5	0.1	11	82.4	1.3	<0.05	0.85	0.2	0.009	0.50	0.8
G075169		992	5.3	0.006	>10.0	34.1	0.2	8	46.2	1.0	<0.05	0.73	0.3	0.009	0.39	1.3
G075170		3530	2.7	0.003	>10.0	39.6	0.1	2	9.7	1.2	<0.05	0.17	0.2	0.009	0.33	0.7
G075171		884	2.3	0.007	>10.0	23.6	0.1	2	6.6	1.5	<0.05	0.13	<0.2	0.007	0.46	0.6
G075172		759	3.9	0.013	>10.0	41.8	0.1	7	25.3	2.2	<0.05	1.18	<0.2	0.007	0.98	0.6
G075173		1775	4.6	0.026	>10.0	44.2	0.1	17	71.0	1.2	<0.05	6.59	<0.2	0.007	2.11	1.1
G075174		4650	5.1	0.011	>10.0	723	0.1	14	140.0	1.5	<0.05	1.96	<0.2	0.007	1.23	0.9
G075175		3950	5.9	0.015	>10.0	164.0	0.1	13	68.6	1.5	<0.05	1.83	<0.2	0.009	0.99	0.9
G075176		>10000	5.7	0.057	>10.0	306	0.1	47	158.5	1.5	<0.05	23.2	<0.2	0.008	3.02	1.0
G075177		>10000	3.2	0.011	>10.0	445	0.1	56	193.5	1.3	<0.05	7.23	<0.2	0.005	1.93	0.8
G075178		>10000	4.2	0.031	>10.0	361	0.1	21	208	4.9	<0.05	2.83	<0.2	0.006	3.53	1.2
G075179		139.0	1.3	<0.002	0.06	0.61	0.3	1	0.5	41.1	<0.05	<0.05	<0.2	<0.005	0.02	0.6
G075180		833	4.3	0.008	3.25	45.9	0.7	2	15.9	76.9	0.05	0.15	0.3	0.016	1.73	3.7
G075181		51.1	3.7	0.004	0.35	1.70	0.8	1	0.7	76.0	0.05	<0.05	0.4	0.018	0.23	2.8
G075182		39.7	3.8	0.004	0.30	1.63	0.8	1	0.8	80.1	0.06	<0.05	0.4	0.018	0.20	2.9
G075183		15.8	1.8	0.006	0.28	0.98	0.7	1	0.2	90.5	0.07	<0.05	0.4	0.020	0.17	2.7
G075184		12.9	4.4	<0.002	0.22	0.63	0.6	1	0.2	101.0	0.05	<0.05	0.4	0.016	0.12	1.5
G075185		29.1	121.0	0.002	4.24	3.92	16.0	1	2.5	34.6	0.74	<0.05	12.1	0.293	1.71	6.4
G075186		26.6	115.0	0.002	2.77	3.99	14.3	1	2.2	29.2	0.66	<0.05	11.6	0.259	1.98	9.8
G075187		7.4	1.2	<0.002	0.01	0.10	0.4	1	<0.2	42.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G075188		17.4	34.9	0.005	1.40	1.63	3.7	1	1.5	74.4	0.19	<0.05	3.6	0.078	0.37	3.1
G075189		15.9	20.9	0.009	0.85	1.68	3.0	1	0.5	92.2	0.27	<0.05	3.2	0.101	0.39	4.9
G075190		>10000	22.1	0.020	>10.0	89.9	10.7	64	11.1	70.3	0.16	0.10	0.7	0.237	5.62	2.5
G075191		8.1	5.4	0.005	0.52	1.06	1.5	1	0.3	114.0	0.10	<0.05	1.6	0.042	0.22	3.0
G075192		9.7	2.6	0.005	0.53	1.37	1.7	1	0.3	119.5	0.11	<0.05	1.4	0.036	0.19	4.5
G075193		12.5	2.9	0.004	0.14	0.90	0.4	1	0.9	104.0	<0.05	<0.05	0.4	0.008	0.14	0.8
G075194		7.0	1.2	<0.002	0.16	0.66	0.5	1	0.3	99.2	<0.05	<0.05	0.5	0.012	0.07	1.6
G075195		8.0	0.8	<0.002	0.31	0.42	1.0	1	0.2	60.2	0.06	<0.05	1.0	0.023	0.06	1.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11081013

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075160		11	0.6	1.2	1000	1.6			
G075161		15	1.0	1.5	3500	2.9			
G075162		12	7.3	0.5	9860	1.5	241	7.79	
G075163		11	10.3	1.8	>10000	1.6			1.900
G075164		14	14.6	0.5	>10000	1.8			1.915
G075165		11	8.0	0.5	>10000	1.5	167	6.12	6.82
G075166		77	6.0	9.3	>10000	44.9	699	1.880	2.78
G075167		22	4.6	1.7	>10000	4.3		2.08	5.43
G075168		10	8.5	0.5	>10000	2.9			15.00
G075169		14	33.7	0.5	>10000	3.4			10.95
G075170		9	14.6	0.3	687	2.5			
G075171		6	3.0	0.2	864	1.7			
G075172		10	7.0	0.4	>10000	2.4			8.07
G075173		12	7.8	0.6	>10000	2.6			21.9
G075174		14	10.4	0.6	>10000	3.1			10.25
G075175		15	2.8	0.5	>10000	3.2			13.50
G075176		19	4.6	0.8	>10000	3.1	218	7.33	21.1
G075177		8	2.6	0.3	>10000	2.3	339	13.15	28.8
G075178		14	5.5	0.3	>10000	3.7	244	8.13	26.7
G075179		2	0.1	0.7	447	<0.5			
G075180		11	1.2	1.9	>10000	5.5			2.19
G075181		9	0.3	1.7	1880	4.7			
G075182		10	0.4	1.8	2090	4.7			
G075183		10	0.2	1.6	497	5.0			
G075184		11	0.1	1.6	122	4.4			
G075185		75	1.8	11.6	249	49.6			
G075186		81	1.6	13.5	207	75.0			
G075187		3	0.1	0.8	43	<0.5			
G075188		26	0.6	8.4	92	26.0			
G075189		36	1.0	7.7	94	29.7			
G075190		102	62.7	10.3	>10000	10.4		1.555	7.24
G075191		23	0.5	4.0	53	12.5			
G075192		19	0.7	5.7	73	12.7			
G075193		5	0.2	2.3	178	3.5			
G075194		4	0.2	2.3	63	4.2			
G075195		6	0.2	3.2	61	6.5			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27- MAY- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11081013

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 23- MAY- 2011
Account: RCM

CERTIFICATE WH11082125

Project: Rackla Gold (Tiger)

P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11082125

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075087		7.26	<0.01	0.21	0.16	13	10	0.12	0.02	18.70	0.22	4.02	1.3	6	0.19	6.0
G075088		12.88	<0.01	0.10	0.09	9	130	0.09	0.01	19.55	0.16	2.72	1.2	7	0.14	3.6
G075089		12.20	<0.01	0.07	0.07	61	20	0.07	0.03	19.25	0.17	2.80	1.2	8	0.13	2.8
G075090		4.48	0.03	1.01	0.07	2010	10	0.07	1.43	15.65	0.62	2.24	1.1	5	0.13	5.5
G075091		3.31	0.08	4.47	0.13	5160	20	<0.05	2.40	6.32	1.01	1.67	0.9	4	0.17	14.4
G075092		4.48	0.06	3.34	0.06	5130	10	<0.05	1.85	4.95	1.14	1.28	0.9	3	0.12	19.5
G075093		8.50	<0.01	0.30	0.05	257	10	0.08	0.11	19.35	0.77	3.95	1.1	2	0.10	3.5
G075094		0.12	0.49	>100	4.44	8330	120	0.98	0.19	1.91	258	32.7	15.2	40	7.44	897
G075095		5.44	0.01	2.92	0.05	744	10	0.06	0.32	18.15	3.09	4.79	0.9	2	0.14	7.8
G075096		5.84	0.03	4.15	0.04	3130	10	<0.05	0.56	12.00	1.18	1.95	0.7	2	0.08	12.1
G075097		4.09	<0.01	0.45	0.15	519	40	0.11	0.18	18.05	0.89	3.88	1.3	4	0.17	4.3
G075098		10.50	<0.01	0.23	4.75	90.0	740	1.31	0.24	9.71	0.14	53.9	9.0	29	3.82	16.4
G075099		11.52	<0.01	0.04	7.03	8.2	1080	2.24	0.35	3.03	0.11	71.0	15.4	54	5.40	33.2
G075101		11.21	<0.01	0.08	7.95	9.1	1260	2.41	0.38	1.37	0.15	87.9	18.1	68	7.01	37.3
G075102		5.29	<0.01	0.10	4.95	31.4	150	1.56	0.24	1.30	0.12	54.1	6.4	45	4.61	12.4
G075103		7.28	<0.01	0.32	3.62	16.0	570	1.10	0.17	8.98	0.09	35.8	7.4	23	3.26	13.4
G075104		7.35	<0.01	0.43	1.28	26	300	0.41	0.06	12.20	0.12	20.5	3.5	11	1.52	12.5
G075105		5.23	<0.01	31.0	1.00	156.0	60	0.22	0.06	9.79	56.0	17.30	2.1	15	0.75	20.3
G075106		7.94	0.02	>100	0.20	1540	40	0.08	0.07	0.22	1000	15.20	0.9	9	0.68	130.5
G075107		4.07	<0.01	>100	0.24	1555	40	0.11	0.08	0.20	>1000	9.96	1.3	7	0.78	180.5
G075108		4.28	0.01	7.89	0.06	4610	30	<0.05	0.01	0.19	170.5	1.81	0.5	6	0.10	19.4
G075109		8.15	<0.01	73.4	0.11	1955	30	<0.05	0.04	0.11	368	12.25	0.5	6	0.11	37.2
G075110		4.77	<0.01	52.7	0.07	983	40	<0.05	0.06	0.12	>1000	9.44	0.4	2	0.13	100.5
G075111		10.96	<0.01	38.5	0.15	2730	50	0.08	0.07	0.37	636	4.83	0.7	7	0.26	32.4
G075112		7.13	<0.01	0.08	0.07	19	20	0.07	0.02	21.2	1.38	1.37	1.5	1	0.22	6.0
G075113		5.57	<0.01	21.2	0.08	166	320	0.10	0.03	17.25	67.8	4.38	0.7	3	0.19	10.2
G075114		6.45	<0.01	0.05	0.05	15	120	0.06	0.01	18.95	0.41	1.26	1.1	2	0.06	2.0
G075115		7.47	<0.01	0.10	0.03	<5	90	0.15	0.01	18.40	0.28	0.56	0.5	2	<0.05	0.9
G075116		0.10	0.24	>100	5.87	4380	200	0.93	0.15	2.33	124.5	29.3	12.8	46	4.26	486
G075117		2.02	<0.01	0.05	0.04	6	140	0.15	0.01	19.00	0.16	0.73	1.0	3	<0.05	1.7
G075118		11.10	<0.01	0.13	0.04	<5	550	0.17	0.01	17.70	0.13	0.82	0.5	3	0.06	1.1
G075119		5.90	<0.01	0.11	0.02	<5	180	0.17	<0.01	17.30	0.15	0.36	0.5	3	<0.05	1.1
G075120		6.90	<0.01	0.04	0.05	<5	10	0.06	0.02	19.35	0.11	1.16	1.1	1	0.13	2.3
G075121		5.34	<0.01	0.04	0.03	<5	220	0.18	0.01	17.65	0.10	0.51	0.6	2	<0.05	1.3
G075122		8.33	0.01	0.06	0.04	<5	210	0.22	0.01	19.25	0.07	0.94	0.7	2	<0.05	1.2
G075123		7.93	<0.01	0.14	0.50	<5	1460	0.37	0.03	19.15	0.48	6.11	1.5	18	0.54	4.9



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11082125

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075087		0.24	0.40	<0.05	0.1	0.032	0.04	2.1	3.0	11.35	186	2.74	0.01	0.9	8.3	40
G075088		0.14	0.31	0.05	<0.1	0.030	0.03	1.6	2.6	12.00	347	0.73	0.01	0.3	2.1	50
G075089		0.41	0.39	0.05	<0.1	0.050	0.02	1.7	2.3	11.75	450	0.12	0.01	0.2	1.8	40
G075090		9.17	0.89	0.11	<0.1	0.676	0.03	1.4	1.6	9.53	1960	0.16	0.01	0.2	2.0	30
G075091		32.0	1.74	0.36	0.1	2.04	0.06	1.2	0.9	3.41	2610	0.24	<0.01	0.5	3.7	40
G075092		34.9	0.96	0.39	<0.1	1.545	0.02	0.8	0.6	2.67	1840	0.35	<0.01	0.5	4.2	50
G075093		1.23	0.50	<0.05	<0.1	0.183	0.02	2.7	2.3	11.80	639	0.15	0.01	0.2	2.1	50
G075094		11.05	12.10	0.28	1.2	0.565	2.40	15.6	29.6	0.32	1940	9.32	0.03	5.6	25.8	370
G075095		4.75	0.54	0.05	<0.1	1.065	0.01	3.6	2.3	10.95	1440	0.17	0.01	0.2	1.6	60
G075096		16.55	0.39	0.13	<0.1	0.873	0.01	1.3	1.6	7.54	901	0.41	0.01	0.2	2.1	80
G075097		3.32	1.23	<0.05	0.1	0.357	0.07	2.3	2.6	10.90	788	0.33	0.01	0.4	3.1	300
G075098		4.00	12.05	0.09	1.3	0.107	2.49	28.7	11.3	6.09	786	0.54	0.05	7.3	22.4	470
G075099		3.16	18.65	0.11	1.6	0.062	3.64	36.4	18.1	2.43	261	0.29	0.07	9.9	34.9	430
G075101		2.85	22.8	0.12	2.3	0.076	4.43	45.2	15.7	1.48	294	0.35	0.08	11.2	32.5	530
G075102		5.10	12.30	0.10	1.5	0.049	2.43	26.9	10.4	1.04	122	1.52	0.05	5.1	25.3	810
G075103		1.74	8.05	0.06	1.3	0.042	1.82	18.5	11.4	5.41	894	1.44	0.04	4.0	13.5	730
G075104		0.87	3.03	<0.05	0.6	0.025	0.53	10.1	6.4	7.62	805	3.45	0.01	1.7	7.9	1520
G075105		1.57	4.82	<0.05	0.5	4.83	0.12	8.2	8.8	6.29	455	2.31	0.01	1.4	9.7	1100
G075106		6.96	33.9	0.09	0.2	66.1	0.08	15.1	2.1	0.06	209	0.38	<0.01	0.4	5.1	660
G075107		7.45	42.9	0.09	0.2	85.3	0.11	9.3	2.0	0.05	237	0.59	<0.01	0.5	7.6	720
G075108		25.1	3.41	0.26	0.1	3.03	0.02	1.3	1.1	0.07	190	0.24	<0.01	0.4	4.1	190
G075109		27.6	8.90	0.24	0.1	5.94	0.04	12.9	0.9	0.05	120	0.51	0.01	0.5	5.0	150
G075110		12.50	31.0	0.14	<0.1	27.9	0.03	9.1	0.6	0.05	399	0.25	<0.01	0.2	2.9	110
G075111		23.2	10.30	0.23	0.1	5.54	0.06	4.7	1.7	0.18	420	0.36	<0.01	0.5	5.3	160
G075112		0.48	0.27	<0.05	<0.1	0.035	0.03	0.6	1.0	12.85	211	0.16	<0.01	0.3	2.5	180
G075113		0.51	2.72	<0.05	0.1	2.20	0.01	3.6	3.0	10.85	519	0.31	0.01	0.2	1.4	140
G075114		0.09	0.33	<0.05	<0.1	0.024	0.01	0.7	2.2	11.65	329	0.21	0.01	0.2	1.8	80
G075115		0.07	0.10	<0.05	<0.1	0.010	0.01	<0.5	1.2	11.25	213	0.20	0.01	0.2	0.9	250
G075116		7.73	12.60	0.15	1.5	0.313	1.68	14.2	24.1	0.83	1360	6.99	1.19	4.8	27.3	510
G075117		0.11	0.26	<0.05	<0.1	0.007	0.01	0.5	1.7	11.65	193	0.26	0.01	0.2	4.2	90
G075118		0.14	0.17	<0.05	<0.1	0.023	0.01	0.6	1.8	10.85	297	0.25	0.01	0.2	1.9	130
G075119		0.11	0.11	0.05	<0.1	0.010	<0.01	<0.5	1.4	10.90	247	0.39	0.01	0.1	2.0	10
G075120		0.41	0.20	0.05	<0.1	0.005	0.02	0.6	1.1	11.75	193	1.57	<0.01	0.2	1.9	170
G075121		0.16	0.13	<0.05	<0.1	<0.005	0.01	<0.5	1.4	11.05	214	0.30	0.01	0.1	1.7	70
G075122		0.14	0.17	0.06	<0.1	0.007	0.01	0.6	1.4	11.75	284	0.34	0.01	0.2	1.3	280
G075123		0.51	1.25	<0.05	0.3	0.176	0.23	3.2	5.4	11.00	379	7.52	0.01	2.2	14.1	4160



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11082125

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075087		9.5	4.7	0.006	0.28	1.80	0.6	1	1.3	66.0	<0.05	<0.05	0.3	0.015	0.14	7.3
G075088		7.4	2.6	<0.002	0.14	0.50	0.3	<1	0.8	62.6	<0.05	<0.05	<0.2	0.005	0.04	2.3
G075089		7.6	2.0	<0.002	0.47	0.50	0.3	1	0.8	56.8	<0.05	<0.05	<0.2	<0.005	0.03	2.3
G075090		49.5	2.8	<0.002	>10.0	5.71	0.8	3	1.7	37.5	<0.05	0.22	<0.2	<0.005	0.08	1.5
G075091		507	5.9	0.004	>10.0	21.5	0.7	8	8.4	13.5	<0.05	1.28	0.2	0.006	0.24	1.0
G075092		439	2.5	0.007	>10.0	35.7	0.5	6	9.2	11.3	<0.05	0.94	0.2	<0.005	0.29	1.1
G075093		52.4	1.4	<0.002	1.54	1.21	0.2	1	1.0	52.9	<0.05	<0.05	<0.2	<0.005	0.04	1.7
G075094		>10000	196.5	0.017	>10.0	222	7.9	38	18.5	124.0	0.39	0.06	4.9	0.221	3.78	4.2
G075095		735	1.4	<0.002	5.89	6.23	0.4	1	5.5	47.2	<0.05	0.17	<0.2	<0.005	0.07	1.3
G075096		320	1.0	0.010	>10.0	14.05	0.4	3	10.3	29.6	<0.05	1.16	<0.2	<0.005	0.16	1.1
G075097		47.7	4.4	0.003	4.12	4.54	0.6	1	2.6	62.0	<0.05	0.07	0.3	0.007	0.07	2.2
G075098		21.2	99.2	0.002	4.47	2.82	8.3	1	2.5	81.4	0.51	<0.05	8.0	0.194	0.76	3.6
G075099		11.9	87.6	0.002	1.89	8.60	13.1	1	2.3	45.6	0.72	<0.05	11.2	0.291	2.76	3.1
G075101		7.3	142.0	0.003	1.95	5.74	15.0	1	3.0	33.1	0.78	<0.05	14.6	0.336	1.94	7.4
G075102		14.3	87.2	<0.002	5.40	3.15	8.8	1	3.3	22.5	0.36	<0.05	8.8	0.177	0.72	6.8
G075103		21.5	75.4	<0.002	1.81	2.23	5.5	1	5.6	63.6	0.30	<0.05	6.0	0.129	0.52	6.7
G075104		23.9	28.2	0.003	0.81	4.12	2.3	1	3.5	81.5	0.13	<0.05	2.7	0.056	0.59	4.7
G075105		>10000	9.8	0.004	2.80	31.6	1.6	2	51.0	52.0	0.10	0.10	2.2	0.045	0.60	4.4
G075106		>10000	7.7	0.002	>10.0	144.5	0.2	14	234	2.4	<0.05	2.84	0.7	0.009	1.67	1.8
G075107		>10000	10.7	0.002	>10.0	166.5	0.2	18	298	2.4	<0.05	2.22	0.8	0.013	1.72	2.3
G075108		939	2.1	<0.002	>10.0	20.0	0.1	4	10.7	1.4	<0.05	0.28	0.3	<0.005	0.22	0.4
G075109		>10000	2.7	0.005	>10.0	85.0	0.1	7	50.3	1.1	<0.05	2.66	0.4	0.006	0.53	0.7
G075110		5000	2.1	<0.002	>10.0	46.8	0.1	22	52.7	1.5	<0.05	1.93	0.2	<0.005	1.27	0.4
G075111		9020	4.1	0.006	>10.0	48.5	0.2	10	33.4	1.6	<0.05	1.22	0.2	0.005	0.84	0.7
G075112		30.5	1.5	<0.002	0.05	0.55	0.4	1	0.2	40.6	<0.05	<0.05	<0.2	<0.005	0.02	0.5
G075113		>10000	1.1	0.002	1.53	26.3	0.3	4	32.4	44.8	<0.05	0.39	0.2	<0.005	0.74	6.0
G075114		18.7	1.0	<0.002	0.07	2.40	0.3	1	0.7	43.1	<0.05	<0.05	<0.2	<0.005	0.06	0.8
G075115		35.4	0.5	<0.002	0.07	0.56	0.1	1	0.4	51.0	<0.05	<0.05	<0.2	<0.005	0.03	3.1
G075116		8480	111.0	0.010	6.16	114.0	12.2	19	10.7	207	0.34	0.05	3.8	0.291	2.02	2.7
G075117		10.3	0.6	<0.002	0.15	0.35	0.2	1	0.3	55.2	<0.05	<0.05	<0.2	<0.005	0.03	2.2
G075118		12.4	0.8	0.002	0.17	0.58	0.1	<1	0.7	63.5	<0.05	<0.05	<0.2	<0.005	0.05	2.5
G075119		11.1	0.3	<0.002	0.12	0.44	0.1	1	0.3	56.5	<0.05	<0.05	<0.2	<0.005	0.04	1.3
G075120		2.8	1.0	<0.002	0.02	0.06	0.2	<1	<0.2	41.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
G075121		5.6	0.4	0.002	0.19	0.49	0.1	1	<0.2	62.9	<0.05	<0.05	<0.2	<0.005	0.05	2.3
G075122		4.4	0.9	0.002	0.16	0.53	0.2	1	0.3	64.4	<0.05	<0.05	<0.2	<0.005	0.04	4.3
G075123		9.0	8.6	0.015	0.40	2.85	1.3	1	0.9	138.0	0.12	<0.05	0.5	0.045	0.27	23.4



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- MAY- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11082125

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075087		33	0.3	1.7	65	4.3			
G075088		10	0.1	1.2	33	1.7			
G075089		11	0.1	1.2	78	1.4			
G075090		12	3.6	1.7	244	1.3			
G075091		13	7.2	1.2	411	2.2			
G075092		7	3.8	1.1	476	1.1			
G075093		10	0.4	1.5	299	1.0			
G075094		71	4.9	8.6	>10000	39.5	677	1.885	2.67
G075095		8	0.7	2.1	975	0.9			
G075096		5	3.7	1.1	611	0.6			
G075097		15	1.4	1.9	834	2.7			
G075098		46	1.0	9.7	137	44.8			
G075099		73	1.5	12.0	224	54.8			
G075101		95	2.2	13.0	70	77.7			
G075102		60	1.8	9.6	41	50.9			
G075103		37	1.0	8.7	49	42.1			
G075104		30	0.6	8.2	39	20.3			
G075105		28	0.7	7.1	>10000	17.2		1.445	1.445
G075106		6	1.5	3.7	>10000	5.4	162	6.63	21.4
G075107		7	1.5	3.1	>10000	7.4	173	7.53	26.1
G075108		<1	0.8	1.1	>10000	2.2			4.59
G075109		2	3.4	0.7	>10000	2.8		2.07	8.98
G075110		1	1.7	0.8	>10000	1.7			>30.0
G075111		3	0.8	1.2	>10000	3.6			14.65
G075112		<1	0.1	0.9	334	<0.5			
G075113		3	0.3	1.9	>10000	3.2		1.110	1.420
G075114		<1	0.1	1.0	95	1.0			
G075115		5	<0.1	0.5	109	0.7			
G075116		95	2.9	12.6	>10000	48.4	342		1.295
G075117		15	0.1	0.5	51	0.7			
G075118		9	0.1	0.7	44	1.1			
G075119		6	<0.1	0.4	57	0.5			
G075120		2	0.1	0.7	26	<0.5			
G075121		6	<0.1	0.5	45	0.8			
G075122		12	<0.1	0.7	45	0.9			
G075123		68	0.3	2.1	579	9.6			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23- MAY- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11082125

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 29- MAY- 2011
Account: RCM

CERTIFICATE WH11089268

Project: Rackla Gold (Tiger)

P.O. No.: Batch 2

This report is for 1 Drill Core sample submitted to our lab in Whitehorse, YT, Canada on 25- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
Zn- VOL50	Zn by titration

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: 2 - A
Total # Pages: 2 (A)
Finalized Date: 29- MAY- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11089268

Sample Description	Method Analyte Units LOR	Zn- VOL50 Zn % 0.01
G075110		40.87



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 15- JUN- 2011
Account: RCM

CERTIFICATE WH11091248

Project: Rackla Gold (Tiger)

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Pb- VOL70	Pb by Titration	

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11091248

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075196		10.32	<0.01	0.13	0.14	5	140	0.05	0.02	22.1	1.01	1.87	1.5	5	0.09	5.6
G075197		10.25	0.01	0.30	0.10	52	190	0.09	0.05	21.7	3.26	3.22	1.3	5	0.08	2.3
G075198		6.80	0.20	4.84	0.08	5380	70	0.06	0.28	7.23	411	175.0	0.8	3	0.10	146.0
G075199		10.77	0.04	0.65	0.08	953	240	0.08	0.16	18.35	13.65	4.58	1.0	4	0.07	9.1
G075200		10.85	0.32	>100	0.03	4290	10	0.05	83.3	1.65	659	90.7	1.3	1	0.15	4430
G075201		4.71	<0.01	1.07	0.05	130	90	0.11	0.08	13.35	31.0	1.02	0.5	5	0.05	7.4
G075202		0.13	0.49	>100	4.18	9180	120	0.75	0.23	2.00	279	23.4	13.4	41	6.68	968
G075203		2.42	0.01	1.74	0.06	17	2840	0.12	0.14	12.35	1.07	0.68	0.6	6	0.08	5.6
G075204		2.31	0.49	>100	0.16	5120	30	0.13	6.80	0.48	765	90.8	1.7	4	0.58	1095
G075205		16.36	0.10	>100	0.18	3730	30	0.07	1.06	0.23	820	11.90	0.4	6	0.08	173.0
G075206		7.81	<0.01	0.11	0.06	<5	20	0.06	0.02	21.5	0.18	1.22	1.2	1	0.17	2.1
G075207		11.46	<0.01	>100	0.04	620	60	<0.05	0.38	0.20	466	3.03	0.1	<1	<0.05	41.9
G075208		12.13	0.06	60.9	0.07	5540	40	0.06	5.69	1.51	963	11.25	0.5	5	0.09	431
G075209		11.96	0.04	7.31	0.09	4920	80	0.06	3.35	9.86	3.49	4.23	0.8	3	0.07	33.2
G075210		11.01	0.02	0.84	0.12	773	230	0.13	0.14	17.30	1.08	4.16	0.9	5	0.07	4.5
G075211		12.35	<0.01	0.65	0.84	391	470	0.35	0.04	18.15	0.51	8.56	1.6	16	0.55	3.7
G075212		7.98	0.10	41.7	0.51	4890	160	0.20	8.00	0.73	23.7	5.75	1.2	20	0.34	492
G075213		5.03	0.11	>100	0.09	4760	60	0.05	29.6	4.75	76.9	8.09	0.6	3	0.13	1600
G075214		8.67	0.10	>100	0.07	2270	70	0.08	11.20	14.65	34.8	4.04	1.0	3	0.13	712
G075215		11.36	0.01	0.72	0.10	8	130	0.10	0.09	20.5	0.34	2.06	1.0	3	0.12	4.8
G075216		11.43	<0.01	0.29	0.12	<5	200	0.16	0.03	22.9	0.22	3.12	1.5	5	0.08	4.9
G075217		11.02	<0.01	0.20	0.05	11	170	<0.05	0.02	23.1	0.15	1.74	1.1	2	0.05	1.6
G075218		11.24	<0.01	0.27	0.08	326	300	0.06	0.06	22.3	0.30	3.19	1.2	3	0.09	2.3
G075219		9.44	0.29	6.99	0.05	9710	40	<0.05	0.66	1.98	223	173.0	0.6	2	0.09	118.0
G075220		7.80	0.01	0.22	0.08	170	210	0.10	0.11	20.3	0.38	2.89	0.9	3	0.06	2.6
G075221		3.55	0.01	0.23	0.09	83	310	0.11	0.10	22.2	0.52	2.83	1.2	3	0.06	2.3
G075222		6.48	<0.01	0.32	0.10	94	2060	0.09	0.10	22.6	0.36	2.36	1.1	3	0.06	2.7
G075223		5.18	0.18	>100	0.10	2740	70	0.05	2.08	4.35	527	>500	0.7	2	0.17	197.0
G075224		15.25	0.67	28.1	0.05	9940	20	<0.05	0.54	0.53	383	354	0.6	5	0.09	89.5
G075225		11.21	0.27	30.8	0.05	4870	40	0.05	4.12	7.17	94.0	233	0.8	5	0.14	340
G075226		7.73	<0.01	0.06	0.15	<5	30	0.06	0.04	22.3	0.29	1.74	1.6	1	0.15	2.8
G075227		9.69	0.20	27.2	0.07	9490	90	0.05	3.89	0.69	>1000	82.7	2.4	2	0.28	326
G075228		0.11	0.23	>100	6.06	4900	220	0.72	0.15	2.44	140.0	26.3	12.2	50	3.94	513
G075229		9.49	0.03	44.6	0.05	>10000	50	0.05	0.12	0.36	>1000	24.5	0.5	2	0.11	102.5
G075230		9.52	0.09	26.3	0.10	7740	60	0.06	14.40	2.69	>1000	224	0.5	5	0.14	269
G075231		10.98	0.05	29.9	0.74	7800	160	0.19	2.40	0.71	>1000	13.05	1.4	23	0.59	158.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11091248

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075196		0.26	0.69	0.13	0.1	0.011	0.05	1.3	4.3	13.80	311	1.93	0.01	0.7	0.6	380
G075197		0.54	0.91	0.20	0.1	0.074	0.04	2.2	3.8	13.30	383	0.38	0.01	0.5	<0.2	2260
G075198		18.65	11.25	0.47	0.1	40.8	0.03	168.0	2.8	3.94	658	0.42	<0.01	1.0	4.5	3090
G075199		3.51	1.00	<0.05	<0.1	1.175	0.03	4.0	3.9	11.30	572	0.65	0.01	0.5	7.1	1060
G075200		14.90	14.70	0.38	<0.1	107.5	0.01	68.6	1.5	0.88	537	0.45	<0.01	0.5	10.6	210
G075201		0.75	0.80	0.08	<0.1	0.938	0.01	0.8	1.9	8.45	633	0.20	0.01	0.1	10.0	110
G075202		11.65	12.15	0.30	1.1	0.571	2.44	10.4	21.2	0.32	2130	11.00	0.03	6.0	22.9	380
G075203		0.24	0.31	0.13	<0.1	0.357	0.02	0.5	2.1	7.73	284	1.15	<0.01	0.2	10.4	40
G075204		14.45	23.0	0.25	0.1	204	0.03	90.0	1.1	0.22	141	1.54	<0.01	0.5	13.0	580
G075205		8.37	33.8	0.19	0.1	35.9	0.06	11.2	0.5	0.04	247	1.89	<0.01	0.5	3.4	910
G075206		0.47	0.33	0.19	<0.1	0.015	0.03	0.7	1.2	13.20	231	0.06	<0.01	0.3	2.4	180
G075207		1.17	11.95	<0.05	<0.1	6.82	0.02	3.0	0.2	0.03	127	0.37	<0.01	0.1	1.5	710
G075208		22.8	16.75	0.40	0.1	29.9	0.03	7.0	1.1	0.11	293	0.96	<0.01	0.9	5.5	6110
G075209		20.6	1.02	0.37	0.1	0.457	0.03	2.9	2.3	5.27	265	0.49	0.01	1.0	2.4	4820
G075210		3.93	0.78	<0.05	0.1	0.130	0.04	3.5	3.5	9.77	451	0.62	0.01	0.7	<0.2	5050
G075211		2.48	3.37	<0.05	0.4	0.065	0.41	4.6	5.3	10.55	990	13.45	0.02	4.1	8.9	3020
G075212		41.8	7.16	0.95	0.3	10.25	0.25	2.8	2.6	0.09	13	7.41	<0.01	3.5	13.4	3220
G075213		26.6	3.09	0.54	0.1	49.4	0.04	6.2	1.6	2.51	2990	1.28	<0.01	1.2	3.8	700
G075214		13.95	1.89	0.18	<0.1	23.3	0.03	2.9	1.5	8.71	2970	0.89	0.01	0.5	4.4	760
G075215		0.30	0.49	0.22	0.1	0.149	0.03	1.3	3.7	12.75	306	0.85	0.01	0.5	4.4	280
G075216		0.25	0.54	0.06	0.1	0.053	0.05	1.7	1.9	14.15	248	0.93	0.01	0.6	0.9	360
G075217		0.21	0.46	0.20	<0.1	0.021	0.01	1.3	4.1	14.15	338	0.38	0.01	0.4	<0.2	1340
G075218		1.55	0.45	<0.05	<0.1	0.108	0.03	2.4	4.3	13.40	552	0.29	0.01	0.5	<0.2	1890
G075219		37.7	8.99	0.82	<0.1	30.3	0.02	173.0	0.9	0.92	130	0.44	<0.01	1.4	4.2	1520
G075220		1.02	0.48	0.12	0.1	0.130	0.03	2.2	3.8	12.30	259	2.28	0.01	0.6	4.3	1370
G075221		0.57	0.50	<0.05	<0.1	0.107	0.03	2.0	3.5	13.55	260	2.20	0.01	0.6	<0.2	1310
G075222		0.62	0.66	0.09	<0.1	0.132	0.04	1.7	3.3	13.85	256	0.24	0.01	0.5	<0.2	920
G075223		10.80	28.2	0.47	0.1	54.9	0.03	580	0.9	2.44	983	0.50	<0.01	0.5	4.7	850
G075224		30.8	9.05	0.72	0.1	16.95	0.01	360	0.6	0.27	376	0.57	<0.01	0.8	5.4	280
G075225		20.2	7.54	0.49	<0.1	35.0	0.02	219	1.6	4.28	904	0.56	<0.01	0.8	2.7	250
G075226		0.51	0.46	0.07	<0.1	0.043	0.05	1.0	1.3	13.75	223	0.14	0.03	0.4	<0.2	200
G075227		24.1	22.0	0.50	0.1	92.4	0.03	82.4	0.9	0.07	246	0.73	<0.01	0.9	19.7	2770
G075228		8.35	13.80	0.20	1.1	0.346	1.70	13.0	18.0	0.88	1500	7.79	1.22	5.1	26.1	540
G075229		23.5	17.15	0.37	<0.1	26.1	0.03	24.2	0.5	0.04	293	0.79	<0.01	0.8	4.6	1360
G075230		20.7	14.25	0.54	0.1	33.3	0.05	219	0.9	1.28	1810	0.80	<0.01	1.2	4.7	1460
G075231		25.5	17.15	0.71	0.4	21.9	0.34	8.6	3.5	0.30	478	20.3	<0.01	3.6	22.7	1250



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11091248

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075196		17.8	2.6	0.009	0.16	0.92	0.6	<1	1.4	67.8	<0.05	<0.05	0.2	0.013	0.09	4.6
G075197		48.2	1.6	0.003	0.53	1.38	0.5	<1	1.5	65.3	<0.05	0.07	<0.2	0.008	0.12	17.9
G075198		114.0	2.0	0.008	>10.0	17.45	0.3	13	75.6	22.2	<0.05	0.60	0.2	0.006	0.32	26.0
G075199		46.4	1.0	0.004	4.55	3.13	0.4	<1	3.4	69.5	<0.05	0.16	<0.2	0.005	0.21	8.6
G075200		>10000	0.6	0.039	>10.0	4810	0.1	36	>500	22.8	<0.05	6.53	0.2	<0.005	3.64	14.8
G075201		171.5	1.0	<0.002	1.23	5.51	0.2	1	4.6	60.3	<0.05	<0.05	<0.2	<0.005	0.10	2.6
G075202		>10000	187.0	0.022	>10.0	243	6.9	47	18.6	124.0	0.43	0.09	3.8	0.237	4.17	3.7
G075203		553	1.3	<0.002	0.30	5.53	0.1	1	1.9	59.9	<0.05	<0.05	<0.2	<0.005	0.13	4.5
G075204		>10000	2.3	0.050	>10.0	963	0.1	31	>500	4.5	<0.05	21.8	0.2	<0.005	6.39	17.6
G075205		>10000	2.6	0.016	>10.0	644	0.1	43	>500	2.7	<0.05	51.3	0.2	0.007	1.37	3.1
G075206		65.6	1.5	<0.002	0.02	0.18	0.3	1	0.3	43.2	<0.05	<0.05	<0.2	<0.005	<0.02	1.5
G075207		>10000	0.7	0.004	>10.0	997	0.1	33	>500	1.1	<0.05	25.8	<0.2	<0.005	1.01	4.0
G075208		>10000	2.1	0.031	>10.0	480	0.2	30	101.0	7.4	<0.05	2.62	0.2	0.008	1.83	60.1
G075209		3610	1.5	0.016	>10.0	54.9	0.4	4	15.0	31.5	<0.05	0.43	0.2	0.008	0.86	45.4
G075210		121.5	1.7	0.022	4.95	8.54	0.6	1	2.9	63.0	<0.05	0.12	0.2	0.009	0.38	44.8
G075211		168.0	12.4	0.021	3.02	5.11	2.6	1	4.0	96.7	0.21	0.05	1.0	0.089	0.48	20.4
G075212		6890	13.5	0.053	>10.0	524	0.8	8	58.3	4.3	0.12	0.98	0.6	0.052	2.03	12.7
G075213		>10000	2.2	0.024	>10.0	1740	0.3	12	276	7.8	<0.05	1.43	0.2	0.009	2.13	7.9
G075214		>10000	1.6	0.036	>10.0	690	1.5	6	89.5	29.4	<0.05	0.89	0.2	0.007	5.85	11.4
G075215		164.5	2.0	0.004	0.18	4.46	0.4	1	1.2	52.9	<0.05	<0.05	0.2	0.007	0.50	5.9
G075216		50.6	1.6	0.009	0.21	2.80	0.5	<1	1.0	60.6	<0.05	<0.05	0.2	0.009	0.11	7.0
G075217		54.6	0.5	0.003	0.12	1.31	0.3	<1	0.5	75.7	<0.05	<0.05	<0.2	<0.005	0.05	14.4
G075218		29.1	0.9	0.003	1.78	2.04	0.4	<1	0.7	66.9	<0.05	0.05	<0.2	0.006	0.09	20.5
G075219		556	1.5	0.011	>10.0	26.9	0.2	10	64.2	12.1	<0.05	1.19	0.2	0.005	0.38	16.8
G075220		17.1	1.7	0.007	1.28	1.39	0.4	1	1.1	60.6	<0.05	<0.05	<0.2	0.009	0.09	15.1
G075221		22.9	1.2	0.007	0.61	1.47	0.4	<1	0.9	65.0	<0.05	<0.05	<0.2	0.009	0.08	12.3
G075222		32.6	1.4	0.002	0.65	1.57	0.4	<1	1.8	65.0	<0.05	0.05	<0.2	0.008	0.10	8.9
G075223		>10000	2.0	0.012	>10.0	900	0.3	14	>500	33.4	<0.05	2.29	0.8	<0.005	2.88	9.9
G075224		3420	0.5	0.010	>10.0	37.8	0.1	11	50.7	2.4	<0.05	3.30	0.4	<0.005	0.82	2.3
G075225		>10000	1.0	0.010	>10.0	818	0.3	6	116.0	36.2	<0.05	1.87	0.2	<0.005	4.52	2.6
G075226		19.7	1.5	<0.002	0.02	0.42	0.4	<1	0.3	44.9	<0.05	<0.05	<0.2	0.005	0.02	0.7
G075227		7360	1.5	0.037	>10.0	104.5	0.2	31	161.5	5.6	<0.05	4.36	0.5	0.005	4.66	262
G075228		>10000	115.5	0.012	6.40	130.5	11.5	23	11.0	218	0.34	0.05	3.2	0.311	2.26	2.5
G075229		>10000	1.6	0.024	>10.0	43.6	0.1	30	66.2	2.1	<0.05	2.03	0.2	<0.005	0.80	9.0
G075230		>10000	2.9	0.020	>10.0	489	0.2	37	131.0	5.3	<0.05	3.56	0.5	0.010	10.75	9.7
G075231		4000	21.7	0.052	>10.0	92.9	1.0	33	94.8	3.1	0.16	1.93	1.0	0.063	1.23	8.8



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11091248

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Pb- VOL70 Pb % 0.01
G075196		22	0.1	1.3	426	2.5				
G075197		34	0.3	3.0	1140	2.1				
G075198		27	64.3	6.1	>10000	2.2			9.56	
G075199		67	2.2	1.6	3910	1.4				
G075200		8	5.1	2.0	>10000	0.7	704	8.49	14.20	
G075201		55	0.2	1.0	6360	0.7				
G075202		76	5.5	7.7	>10000	34.4	697	1.875	2.67	
G075203		52	0.9	0.6	303	0.6				
G075204		29	5.7	1.6	>10000	2.0	614	>20.0	18.35	23.81
G075205		18	3.2	1.5	>10000	2.7	589	>20.0	19.20	44.60
G075206		2	0.1	0.8	43	0.5				
G075207		4	1.2	1.0	>10000	0.8	881	>20.0	9.90	70.76
G075208		16	5.7	10.8	>10000	3.3		1.890	20.6	
G075209		23	2.1	5.4	1500	3.1				
G075210		32	2.3	5.6	414	3.9				
G075211		82	3.3	4.4	427	16.1				
G075212		74	22.0	5.8	7120	9.4				
G075213		15	9.5	4.2	>10000	1.9	418	9.66	2.18	
G075214		25	8.8	3.3	>10000	1.5	90	1.220	1.085	
G075215		25	0.2	1.1	632	2.2				
G075216		33	1.0	1.7	328	2.3				
G075217		19	0.1	2.3	211	1.1				
G075218		24	0.9	3.1	410	1.6				
G075219		13	269	4.5	>10000	1.5			5.11	
G075220		22	0.7	2.5	259	2.1				
G075221		23	0.8	2.5	331	2.0				
G075222		19	0.4	1.8	493	1.7				
G075223		26	2.4	6.1	>10000	1.2	765	>20.0	11.90	26.20
G075224		8	5.3	3.3	>10000	0.5			8.15	
G075225		15	5.3	3.4	>10000	0.9		1.275	2.43	
G075226		4	0.1	1.2	93	1.2				
G075227		8	8.0	7.8	>10000	6.0			20.7	
G075228		101	3.1	12.7	>10000	35.0	350	0.942	1.360	
G075229		9	9.0	3.7	>10000	1.4		1.330	27.0	
G075230		20	5.2	7.7	>10000	2.9		1.170	22.7	
G075231		79	14.9	3.4	>10000	17.3			23.8	



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15- JUN- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11091248

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: ATAC RESOURCES LTD.

C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 7- JUN- 2011
Account: RCM

CERTIFICATE WH11094343

Project: Rackla Gold (Tiger)

P.O. No.: Batch 3

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30- MAY- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JOAN MARIACHER

MATT DUMALA

JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
ME- OG62	Ore Grade Elements - Four Acid
Ag- OG62	Ore Grade Ag - Four Acid
Pb- OG62	Ore Grade Pb - Four Acid
Zn- OG62	Ore Grade Zn - Four Acid
Zn- VOL50	Zn by titration

To: ATAC RESOURCES LTD.
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11094343

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
G075124		30.8	0.32	978	30	0.20	2.46	7.60	283	2.00	1.2	8	1.05	1070	6.04
G075125		0.15	0.42	12	850	0.36	0.01	21.2	0.43	8.84	1.1	17	0.32	8.4	0.30
G075126		0.26	0.30	23	350	0.18	0.03	19.90	0.53	4.75	1.9	9	0.31	6.3	0.42
G075127		1.10	0.20	61	90	0.10	0.02	18.75	8.19	3.70	1.7	7	0.22	5.2	0.61
G075128		13.30	0.13	1870	60	0.05	1.67	3.38	10.55	1.43	0.9	5	0.14	10.0	30.0
G075129		2.87	0.11	1610	20	0.05	1.46	7.30	0.44	5.21	0.7	8	0.11	7.2	16.25
G075130		4.86	0.20	1540	50	0.07	0.37	0.35	12.95	13.55	1.3	20	0.29	17.7	34.2
G075131		>100	5.79	4530	190	0.89	0.13	2.34	131.0	27.9	13.8	49	4.24	508	8.04
G075132		>100	0.10	4450	30	0.05	7.59	0.21	611	2.39	1.3	5	0.16	1345	27.5
G075133		11.50	0.08	5050	30	<0.05	0.17	0.06	849	1.82	0.7	3	0.11	214	27.4
G075134		>100	0.07	3450	30	<0.05	1.34	0.07	>1000	8.24	0.6	1	0.10	304	11.70
G075135		0.11	0.09	20	20	0.05	0.02	23.5	1.27	1.43	0.6	3	0.20	6.2	0.52
G075136		>100	0.08	9030	20	<0.05	2.04	0.67	743	63.8	0.4	<1	0.12	280	21.7
G075137		>100	0.08	8110	30	<0.05	3.23	0.95	734	82.7	0.3	<1	0.14	280	17.40
G075138		48.9	0.05	5030	20	<0.05	5.09	0.90	>1000	24.9	0.5	<1	0.06	401	13.95
G075139		>100	0.13	5230	30	0.07	29.0	0.90	325	5.37	1.2	5	0.57	2200	26.9
G075140		>100	0.15	5350	50	<0.05	12.20	0.09	628	1.67	0.6	6	0.35	934	26.0
G075141		82.1	0.07	5410	30	<0.05	1.06	0.06	519	0.42	0.4	6	0.15	174.0	32.0
G075142		>100	0.09	5580	50	<0.05	0.80	0.03	961	1.96	0.3	4	0.18	327	25.3
G075143		42.4	0.08	1970	20	<0.05	1.67	0.08	392	1.53	0.5	7	0.20	200	32.9
G075144		61.1	3.52	152.0	520	0.38	52.5	2.03	366	9.33	84.7	85	2.34	>10000	15.95
G075145		33.7	0.09	2610	60	0.05	1.54	0.37	133.0	2.22	0.6	8	0.16	162.5	38.3
G075146		55.8	0.11	3360	30	0.05	23.4	0.67	35.9	2.88	0.5	9	0.17	828	37.7
G075147		>100	0.17	8320	60	0.09	58.1	1.09	484	5.62	0.7	6	0.25	3420	30.0
G075148		0.26	0.06	9	10	<0.05	0.07	21.4	0.30	1.17	0.5	2	0.12	5.7	0.48
G075149		1.19	0.22	97	130	0.15	0.20	20.1	0.69	5.64	1.0	10	0.19	9.2	0.75
G075150		0.25	0.20	23	90	0.15	0.04	19.20	0.12	3.35	0.6	6	0.17	3.1	0.42
G075151		0.25	0.21	27	80	0.13	0.06	20.2	0.18	3.77	1.1	8	0.19	3.6	0.39
G075152		0.15	0.09	10	1030	0.09	0.03	20.7	0.30	2.46	0.5	4	0.11	4.3	0.70
G075153		0.21	0.07	40	120	0.08	0.04	20.0	1.01	2.85	0.3	4	0.07	4.5	0.47
G075154		0.58	0.32	188	360	0.25	0.02	19.05	7.39	8.34	1.9	9	0.26	10.6	2.35
G075155		>100	0.15	1330	180	0.13	0.42	12.10	281	6.13	0.7	5	0.18	1760	5.07
G075156		83.1	0.31	1040	70	0.22	16.05	16.20	201	7.22	1.1	9	0.44	778	4.37
G075157		0.37	0.12	21	130	0.08	0.02	21.4	1.31	2.03	0.5	4	0.10	4.8	0.29
G075158		0.18	0.09	15	120	0.06	0.03	19.85	1.33	1.80	0.9	4	0.10	3.2	0.40
G075159		40.7	0.10	3760	20	0.07	106.0	0.52	41.7	14.55	1.0	8	0.17	1170	31.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11094343

Sample Description	Method Analyte Units LOR	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1
G075124		0.10	0.2	199.5	0.09	0.6	4.2	4.06	1590	1.80	<0.01	1.1	11.4	1980	1330	7.4
G075125		0.14	0.2	0.044	0.14	4.4	4.1	11.90	337	1.84	0.02	1.3	12.3	5930	8.5	4.9
G075126		0.08	0.2	0.237	0.13	2.7	2.7	12.20	523	4.13	0.01	1.5	7.8	130	17.1	5.2
G075127		0.09	0.1	0.377	0.08	2.1	2.8	11.70	601	1.84	0.01	1.1	3.9	50	342	5.7
G075128		0.37	0.1	0.366	0.06	0.9	1.4	1.92	244	2.28	<0.01	1.1	5.0	30	3880	5.0
G075129		0.23	0.1	1.205	0.04	4.1	2.4	4.30	371	1.69	<0.01	0.9	3.6	30	269	3.9
G075130		0.39	0.2	1.695	0.09	12.3	1.2	0.18	268	4.49	<0.01	1.0	9.7	70	608	9.6
G075131		0.20	1.2	0.358	1.66	14.8	23.0	0.82	1410	7.67	1.18	5.3	28.0	530	9230	123.5
G075132		0.32	0.1	58.9	0.03	1.3	1.8	0.10	256	1.47	<0.01	0.5	10.6	20	>10000	3.1
G075133		0.30	0.1	56.1	0.03	1.6	0.7	0.04	201	1.74	<0.01	0.5	6.7	10	947	2.9
G075134		0.15	0.1	105.0	0.03	8.9	0.9	0.04	272	2.18	<0.01	0.5	5.3	10	>10000	2.6
G075135		0.14	<0.1	0.085	0.04	0.6	1.3	13.90	230	0.21	0.01	0.2	2.2	230	27.1	1.6
G075136		0.31	<0.1	68.1	0.01	69.1	0.3	0.33	723	1.10	<0.01	0.3	8.6	40	>10000	1.0
G075137		0.32	<0.1	66.9	0.01	89.8	0.4	0.45	1000	0.88	<0.01	0.3	8.0	50	>10000	0.7
G075138		0.22	<0.1	104.5	0.01	25.1	0.3	0.44	1200	1.48	<0.01	0.3	3.6	30	4720	1.3
G075139		0.36	0.1	33.7	0.03	4.1	1.4	0.40	790	1.74	<0.01	0.5	17.5	380	>10000	2.5
G075140		0.31	0.1	39.7	0.03	0.9	1.3	0.06	160	1.94	<0.01	0.5	16.9	40	>10000	2.8
G075141		0.41	<0.1	22.6	0.03	<0.5	0.6	0.03	132	1.54	<0.01	0.5	7.9	20	>10000	2.6
G075142		0.33	0.1	45.6	0.04	1.5	0.5	0.02	185	1.24	<0.01	0.5	5.4	20	>10000	3.6
G075143		0.41	0.1	52.0	0.04	1.1	0.8	0.04	128	1.54	<0.01	0.6	6.0	20	7170	3.8
G075144		0.45	0.5	2.45	0.61	4.0	30.3	1.14	633	36.8	0.66	1.9	43.7	400	>10000	26.7
G075145		0.39	0.1	31.8	0.04	1.5	1.2	0.18	275	3.34	<0.01	0.7	7.3	50	8510	3.1
G075146		0.46	0.1	13.10	0.05	2.4	2.0	0.34	465	1.96	<0.01	0.8	5.2	10	6350	3.6
G075147		0.42	0.1	19.40	0.08	4.7	2.5	0.58	482	2.92	<0.01	1.0	6.5	30	2720	7.7
G075148		0.14	<0.1	0.036	0.02	0.5	0.9	12.70	209	0.12	0.01	0.1	1.9	180	27.4	0.9
G075149		0.17	0.1	0.068	0.10	2.4	3.2	12.05	302	3.59	0.01	0.9	6.5	50	27.4	3.6
G075150		0.11	0.1	0.022	0.09	1.9	2.4	12.25	231	2.24	0.01	0.8	4.1	30	13.5	2.8
G075151		0.10	0.1	0.023	0.10	2.0	3.0	12.85	329	2.53	0.01	0.9	6.6	30	10.9	3.2
G075152		0.10	<0.1	0.049	0.03	1.5	2.2	12.90	230	0.49	0.01	0.3	3.8	560	16.9	1.9
G075153		0.09	<0.1	0.123	0.03	1.8	2.1	12.55	242	0.80	0.01	0.2	2.7	1410	8.1	1.4
G075154		0.07	0.2	0.788	0.14	5.4	3.1	11.60	515	5.32	0.01	1.5	11.9	1430	24.7	6.1
G075155		0.16	0.1	78.4	0.07	4.3	2.4	6.96	2370	0.93	<0.01	0.7	2.3	940	>10000	3.9
G075156		0.10	0.2	40.9	0.13	4.8	2.7	9.66	1380	0.90	0.01	1.2	4.4	1290	>10000	6.7
G075157		0.17	<0.1	0.125	0.05	1.0	2.7	12.75	258	0.95	0.01	0.4	3.2	210	120.0	2.1
G075158		<0.05	<0.1	0.084	0.03	1.1	2.6	12.60	281	1.57	0.01	0.5	0.3	50	38.0	2.7
G075159		0.42	0.1	27.7	0.04	13.6	3.9	0.24	379	1.92	<0.01	0.7	8.4	110	>10000	4.5



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11094343

Sample Description	Method Analyte Units LOR	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1
G075124		0.015	>10.0	351	0.7	7	480	61.0	0.06	0.22	<0.2	0.019	2.17	19.6	29	2.8
G075125		0.022	0.37	2.74	1.1	2	0.9	87.5	0.09	<0.05	0.7	0.027	0.22	60.8	55	0.8
G075126		0.010	0.42	2.24	1.0	1	3.0	76.2	0.08	<0.05	0.5	0.024	0.27	5.1	26	0.4
G075127		0.006	0.79	3.99	0.7	1	2.9	56.0	0.05	<0.05	0.4	0.018	0.27	2.9	9	0.6
G075128		0.006	>10.0	32.8	0.2	3	12.3	12.5	<0.05	0.53	0.2	0.014	0.29	1.1	8	4.3
G075129		0.006	>10.0	11.40	0.3	3	9.8	27.4	<0.05	0.47	0.3	0.011	0.24	1.8	11	2.2
G075130		0.017	>10.0	20.7	0.3	2	18.6	2.6	<0.05	0.06	0.7	0.015	0.68	1.8	13	4.2
G075131		0.011	6.44	117.5	13.2	24	12.6	214	0.37	<0.05	3.6	0.293	2.25	2.6	95	3.2
G075132		0.012	>10.0	1215	0.1	20	294	4.7	<0.05	3.99	<0.2	0.006	1.40	0.7	6	11.1
G075133		0.013	>10.0	37.1	<0.1	14	119.0	0.9	<0.05	1.59	<0.2	0.005	0.94	0.7	9	78.8
G075134		0.007	>10.0	498	<0.1	24	449	0.9	<0.05	6.98	<0.2	0.008	1.19	0.6	6	35.1
G075135		<0.002	0.07	0.24	0.2	<1	0.7	44.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.6	4	0.2
G075136		0.042	>10.0	435	<0.1	41	360	2.2	<0.05	18.60	0.2	<0.005	3.19	1.9	5	16.2
G075137		0.033	>10.0	481	<0.1	48	460	2.5	<0.05	26.6	0.2	<0.005	3.82	5.5	5	8.6
G075138		0.004	>10.0	53.2	<0.1	41	235	2.4	<0.05	20.8	<0.2	<0.005	0.60	0.6	3	9.8
G075139		0.060	>10.0	1565	<0.1	36	382	4.0	<0.05	22.6	<0.2	0.006	4.03	4.3	11	3.9
G075140		0.129	>10.0	693	<0.1	28	208	7.0	<0.05	11.75	<0.2	0.007	4.15	4.4	13	7.2
G075141		0.043	>10.0	127.0	<0.1	31	92.1	1.2	<0.05	8.60	<0.2	<0.005	1.57	0.7	7	1.7
G075142		0.020	>10.0	189.0	<0.1	31	177.5	1.3	<0.05	6.61	<0.2	0.006	1.73	1.0	10	2.4
G075143		0.061	>10.0	74.0	<0.1	12	112.0	0.9	<0.05	5.16	<0.2	0.005	1.06	1.0	9	3.5
G075144		0.020	>10.0	89.2	11.8	72	12.9	71.3	0.15	0.11	0.8	0.235	6.25	3.1	98	59.8
G075145		0.033	>10.0	168.5	<0.1	8	64.4	1.5	<0.05	6.18	0.2	0.008	1.28	1.6	7	5.4
G075146		0.021	>10.0	1015	0.1	9	112.0	1.5	<0.05	1.43	0.2	0.008	0.76	1.1	8	6.5
G075147		0.012	>10.0	2220	0.1	27	197.5	3.0	<0.05	2.56	0.2	0.013	1.40	1.6	15	17.6
G075148		0.002	0.06	2.62	0.2	<1	0.9	41.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.8	2	0.1
G075149		0.010	0.96	6.40	0.7	1	2.4	64.6	0.06	<0.05	0.5	0.022	0.16	4.1	10	0.4
G075150		0.008	0.45	1.50	0.6	<1	0.9	69.5	0.05	<0.05	0.3	0.018	0.17	2.6	8	0.2
G075151		0.011	0.43	1.68	0.7	<1	1.1	63.7	0.06	0.05	0.4	0.020	0.20	2.7	10	0.2
G075152		0.008	0.26	1.41	0.4	1	0.8	66.0	<0.05	<0.05	<0.2	0.007	0.08	9.7	28	0.1
G075153		0.003	0.41	1.69	0.4	<1	1.0	55.7	<0.05	<0.05	<0.2	0.005	0.09	18.2	38	0.2
G075154		0.029	2.33	4.21	1.0	3	3.0	64.8	0.08	0.05	0.6	0.022	0.53	16.6	87	0.8
G075155		0.007	>10.0	2690	0.6	35	106.0	30.8	<0.05	35.8	0.3	0.011	0.99	9.5	34	4.2
G075156		0.005	8.53	761	1.0	10	82.1	67.7	0.07	0.57	0.5	0.020	0.87	18.8	61	6.5
G075157		0.004	0.22	3.20	0.4	<1	1.3	56.2	<0.05	<0.05	<0.2	0.008	0.03	3.4	9	0.1
G075158		0.004	0.28	1.68	0.4	1	1.0	61.8	<0.05	<0.05	0.2	0.019	0.11	3.4	13	0.2
G075159		0.011	>10.0	5220	0.1	25	376	1.7	<0.05	2.46	0.3	0.013	10.20	2.4	13	13.3



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11094343

Sample Description	Method Analyte Units LOR	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01
G075124		3.0	>10000	7.1			6.76	
G075125		5.1	95	7.4				
G075126		1.8	299	6.9				
G075127		1.6	2530	5.1				
G075128		0.6	2860	3.7				
G075129		1.1	248	4.3				
G075130		0.9	3200	7.4				
G075131		13.8	>10000	41.7	350		1.305	
G075132		0.3	>10000	2.6	248	5.05	13.15	
G075133		0.2	>10000	2.1			19.35	
G075134		0.3	>10000	2.8	417	17.70	29.1	
G075135		0.8	341	<0.5				
G075136		1.4	>10000	1.5	362	14.25	19.05	
G075137		1.6	>10000	1.5	395	19.30	19.35	
G075138		2.0	>10000	1.5			>30.0	42.36
G075139		1.4	>10000	3.5	474	10.60	7.76	
G075140		0.3	>10000	3.2	227	5.08	14.25	
G075141		0.2	>10000	1.5		2.29	12.30	
G075142		0.2	>10000	2.0	151	4.48	22.6	
G075143		0.2	>10000	2.4			10.10	
G075144		11.8	>10000	15.0		1.595	7.14	
G075145		0.4	>10000	3.0			3.20	
G075146		0.7	8940	2.8				
G075147		0.8	>10000	3.9	378		11.20	
G075148		0.7	88	<0.5				
G075149		2.0	322	4.7				
G075150		1.4	139	3.6				
G075151		1.6	195	3.6				
G075152		1.9	2380	1.5				
G075153		2.2	858	1.6				
G075154		3.0	5300	7.4				
G075155		2.1	>10000	3.5	227	10.55	7.39	
G075156		3.0	>10000	6.3		2.96	5.03	
G075157		1.0	568	1.5				
G075158		0.9	383	2.0				
G075159		0.6	>10000	2.7		3.20	1.360	



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 7- JUN- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11094343

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 21- JUN- 2011
Account: RCM

CERTIFICATE WH11097792

Project: Rackla Gold (Tiger)

P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 2- JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn- VOL50	Zn by titration	
Pb- VOL70	Pb by Titration	
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11097792

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075232		6.39	0.05	>100	0.09	3830	150	<0.05	0.29	0.48	111.0	2.83	0.4	5	0.14	93.0
G075233		9.24	0.20	80.8	0.06	4880	60	<0.05	9.09	1.20	314	10.60	0.3	5	0.19	518
G075234		7.78	0.19	20.0	0.12	8590	50	<0.05	11.95	1.30	74.7	8.00	0.7	8	0.28	261
G075235		5.97	<0.01	0.31	0.14	37	180	0.09	0.08	20.3	0.71	3.00	0.8	4	0.11	3.6
G075236		10.80	<0.01	0.21	0.12	20	140	0.13	0.05	19.55	0.24	3.26	1.1	6	0.11	3.8
G075237		9.73	<0.01	0.10	0.08	6	90	0.07	0.02	17.45	0.14	1.85	1.2	6	0.09	4.4
G075238		5.06	<0.01	0.12	0.08	<5	120	0.10	0.02	17.65	0.10	1.97	1.2	7	0.08	4.3
G075239		9.58	<0.01	0.21	0.27	24	100	0.11	0.03	20.9	0.68	4.10	3.7	8	0.18	12.3
G075240		6.23	<0.01	0.11	0.15	8	60	0.05	0.01	20.3	0.25	2.23	1.5	5	0.18	5.5
G075241		7.37	<0.01	0.10	0.07	5	230	0.07	0.01	20.3	0.10	2.20	1.0	5	0.11	1.9
G075242		0.07	0.16	60.7	3.45	159.0	1260	0.25	61.1	2.05	350	10.20	80.2	82	2.51	>10000
G075243		2.08	0.01	>100	0.08	28	70	0.06	7.48	14.10	225	2.29	0.8	5	0.19	763
G075244		3.57	<0.01	0.44	1.03	17	1210	0.47	0.06	18.75	0.87	18.85	3.6	23	0.68	11.3
G075245		2.46	0.09	32.9	0.53	1460	240	0.13	4.82	16.75	21.7	13.45	3.1	25	1.59	428
G075246		9.19	<0.01	0.83	0.28	64	120	0.10	0.13	19.95	0.15	6.13	2.2	8	0.26	8.5
G075247		10.78	<0.01	0.28	0.44	6	440	0.14	0.03	19.60	0.44	7.85	1.7	12	0.19	6.9
G075248		10.90	<0.01	0.19	0.03	5	90	0.15	0.01	18.80	0.12	0.83	1.0	3	0.05	1.4
G075249		11.22	<0.01	0.78	0.03	150	60	0.11	0.01	16.40	5.00	0.56	0.9	3	0.06	4.8
G075250		0.07	NSS	>100	4.59	8580	230	0.74	0.22	2.03	262	36.5	13.8	40	7.95	959
G075251		3.68	0.07	61.5	0.04	1765	210	<0.05	0.22	0.38	>1000	0.33	0.4	2	0.16	927
G075252		10.90	0.07	71.1	0.02	3480	80	<0.05	3.15	0.30	523	0.47	0.4	2	0.08	208
G075253		7.63	<0.01	0.28	0.06	6	10	<0.05	0.02	20.7	2.21	1.18	1.4	2	0.16	4.1
G075254		10.54	<0.01	1.16	0.02	127	60	0.15	0.03	17.60	3.17	0.47	0.9	3	<0.05	5.3
G075255		11.70	<0.01	0.06	0.03	<5	70	0.08	0.01	17.65	0.23	0.49	0.9	2	<0.05	1.2
G075256		6.82	<0.01	0.06	0.08	<5	160	0.09	0.01	20.5	0.11	2.16	1.2	4	0.20	2.4
G075257		8.06	<0.01	0.25	0.08	8	870	0.11	0.01	20.8	0.40	2.52	1.7	4	0.24	2.6
G075258		3.37	<0.01	0.24	0.09	7	170	0.13	0.01	21.0	1.12	2.66	1.6	4	0.24	2.5
G075259		11.54	0.07	>100	0.11	8320	60	<0.05	0.80	0.48	>1000	11.10	0.3	1	0.09	249
G075260		8.74	0.01	>100	0.15	>10000	50	<0.05	0.42	0.26	910	2.22	0.2	4	0.12	71.3
G075261		6.97	<0.01	0.60	0.06	30	10	<0.05	0.02	20.3	0.92	1.20	0.9	1	0.13	1.6
G075262		7.07	0.10	>100	0.06	6610	70	<0.05	1.80	0.87	416	2.81	0.1	3	0.11	238
G075263		12.39	0.19	28.4	0.10	5880	160	<0.05	6.18	0.81	74.0	3.58	0.3	8	0.17	277
G075264		13.28	0.10	23.8	0.14	4990	120	<0.05	9.96	1.28	6.30	13.25	0.5	20	0.16	131.0
G075265		10.33	0.07	9.39	0.16	4310	610	<0.05	5.67	0.62	4.08	1.04	0.5	13	0.20	46.6
G075266		11.25	<0.01	0.48	0.22	380	370	0.08	0.43	18.45	0.08	4.07	1.1	5	0.18	2.7
G075267		11.42	<0.01	0.20	0.20	48	110	0.12	0.10	19.55	0.06	4.26	1.4	6	0.18	1.6



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11097792

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075232		36.1	2.88	0.78	0.1	11.60	0.04	1.4	0.4	0.12	149	1.09	<0.01	1.2	5.3	1110
G075233		32.6	12.15	0.64	<0.1	55.5	0.02	8.0	0.9	0.52	856	0.45	<0.01	0.8	4.5	560
G075234		36.5	4.18	0.74	0.1	30.5	0.05	5.6	0.9	0.45	1010	1.06	<0.01	1.3	9.1	1430
G075235		0.26	0.63	<0.05	0.1	0.267	0.05	1.8	3.2	12.10	330	0.43	0.02	0.5	5.6	340
G075236		0.25	0.50	0.10	0.1	0.070	0.04	1.9	2.9	11.60	181	0.72	0.01	0.4	7.9	680
G075237		0.16	0.35	0.05	<0.1	0.019	0.02	1.0	1.8	10.70	126	0.81	0.01	0.4	7.2	140
G075238		0.17	0.37	0.05	<0.1	0.015	0.03	1.1	1.8	10.75	130	0.78	0.01	0.4	7.3	160
G075239		0.45	0.74	0.06	0.2	0.017	0.02	2.0	2.8	12.75	135	14.85	0.01	1.4	18.3	270
G075240		0.15	0.46	0.05	0.1	0.016	0.02	1.2	2.3	12.25	117	1.26	0.01	0.7	9.0	110
G075241		0.09	0.26	0.07	<0.1	0.092	0.02	1.3	1.8	12.50	190	0.51	0.01	0.3	4.8	60
G075242		16.00	15.80	0.58	0.5	2.38	0.61	4.5	19.6	1.17	625	38.4	0.70	2.0	43.0	370
G075243		0.85	8.86	0.05	<0.1	59.7	0.02	1.6	3.2	8.26	2740	0.95	0.01	0.3	4.2	60
G075244		0.75	2.81	0.06	0.7	0.084	0.23	9.8	5.0	11.85	184	16.85	0.02	5.1	29.9	1050
G075245		6.60	3.27	0.18	0.4	11.20	0.10	7.2	3.2	10.10	272	10.50	0.01	2.7	32.1	2690
G075246		0.52	1.08	0.05	0.2	0.185	0.09	3.2	2.7	12.15	290	8.33	0.01	1.4	18.5	970
G075247		0.32	1.12	0.05	0.3	0.042	0.07	3.8	4.1	11.80	187	9.60	0.01	2.2	12.0	640
G075248		0.18	0.19	0.05	<0.1	0.041	0.01	0.5	1.4	11.50	342	1.53	0.01	0.2	4.7	90
G075249		1.24	0.45	0.06	<0.1	0.718	0.01	<0.5	1.3	9.94	442	0.65	0.01	0.2	3.2	80
G075250		11.60	13.45	0.43	1.6	0.588	2.45	17.9	22.3	0.34	2030	10.35	0.03	6.4	23.5	380
G075251		15.75	39.5	0.37	0.1	337	<0.01	<0.5	3.2	0.19	181	1.31	<0.01	0.4	3.1	30
G075252		28.9	13.65	0.64	<0.1	55.4	<0.01	<0.5	0.7	0.14	145	0.87	<0.01	0.8	3.2	60
G075253		0.49	0.29	<0.05	<0.1	0.560	0.02	0.6	0.9	12.30	212	0.09	<0.01	0.3	3.4	190
G075254		1.21	0.32	0.06	<0.1	0.957	<0.01	<0.5	1.2	10.75	384	0.50	0.01	0.2	3.5	50
G075255		0.09	0.15	<0.05	<0.1	0.071	0.01	<0.5	1.2	10.80	160	0.44	0.01	0.2	2.9	110
G075256		0.12	0.26	0.06	<0.1	0.013	0.02	1.2	2.5	12.20	465	0.58	0.01	0.5	5.1	40
G075257		0.31	0.33	0.07	<0.1	0.044	0.03	1.4	2.8	12.00	751	3.74	0.02	0.6	8.2	30
G075258		0.25	0.34	0.06	<0.1	0.095	0.02	1.5	2.9	12.10	731	2.74	0.01	0.5	6.5	30
G075259		8.67	40.6	0.28	0.1	95.2	0.02	11.2	0.5	0.24	782	1.57	0.01	0.2	2.2	10
G075260		19.60	9.12	0.52	0.1	13.35	0.05	2.0	0.3	0.12	373	1.19	0.04	0.8	3.3	20
G075261		0.50	0.22	0.05	<0.1	0.058	0.02	0.6	0.6	11.95	210	0.10	<0.01	0.3	2.1	170
G075262		31.1	7.92	0.66	<0.1	23.2	0.03	2.2	0.2	0.40	849	1.25	<0.01	1.0	2.6	10
G075263		38.8	4.25	0.59	0.1	7.72	0.04	2.1	0.3	0.39	696	1.47	<0.01	1.3	2.3	10
G075264		35.7	2.20	0.63	0.2	1.615	0.06	10.8	0.4	0.64	931	1.82	<0.01	1.6	4.8	30
G075265		38.7	2.59	0.63	0.1	1.640	0.07	0.6	0.3	0.32	156	2.42	<0.01	1.5	5.7	10
G075266		2.39	1.31	0.07	0.1	0.143	0.10	2.2	1.9	11.00	427	2.07	0.01	1.2	4.6	40
G075267		0.51	1.12	0.05	0.1	0.047	0.09	2.2	2.4	11.65	278	1.84	0.01	1.2	4.5	40



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11097792

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075232		>10000	2.8	0.020	>10.0	192.5	0.1	12	87.5	3.7	<0.05	1.17	0.2	0.008	0.76	7.7
G075233		>10000	1.9	0.013	>10.0	312	0.1	18	214	3.5	<0.05	3.47	0.2	<0.005	1.29	10.1
G075234		3030	4.4	0.052	>10.0	122.5	0.1	12	142.5	4.3	<0.05	2.31	0.3	0.007	1.07	15.9
G075235		58.8	2.9	0.004	0.29	2.13	0.4	2	2.6	88.3	<0.05	<0.05	0.2	0.009	0.30	5.9
G075236		30.0	2.5	0.005	0.29	1.95	0.5	2	1.8	81.1	<0.05	<0.05	0.2	0.006	0.19	9.1
G075237		8.3	1.5	0.005	0.16	1.33	0.3	1	0.9	66.6	<0.05	<0.05	<0.2	<0.005	0.10	3.2
G075238		10.2	1.6	0.005	0.16	1.73	0.3	1	0.9	67.0	<0.05	<0.05	0.2	<0.005	0.10	3.4
G075239		9.7	2.0	0.015	0.58	2.40	0.8	2	0.2	108.0	0.07	<0.05	0.5	0.020	0.51	5.2
G075240		9.7	2.0	0.009	0.20	0.77	0.5	1	0.5	93.1	<0.05	<0.05	0.2	0.010	0.13	2.6
G075241		21.2	2.0	0.002	0.09	0.64	0.3	1	0.9	93.0	<0.05	<0.05	<0.2	<0.005	0.10	3.1
G075242		>10000	25.0	0.021	>10.0	85.8	10.4	81	12.3	79.8	0.15	0.11	0.9	0.231	6.24	3.1
G075243		>10000	2.2	0.004	4.42	401	0.4	7	>500	53.2	<0.05	0.18	<0.2	<0.005	0.70	2.6
G075244		66.1	11.9	0.035	0.97	3.41	3.0	3	1.0	93.1	0.29	<0.05	2.2	0.080	0.75	15.8
G075245		4000	9.2	0.089	8.73	175.0	1.5	5	185.0	88.3	0.14	0.43	1.2	0.040	1.65	35.2
G075246		143.5	7.4	0.017	0.63	4.54	0.9	2	2.8	92.2	0.08	<0.05	0.6	0.020	0.29	11.9
G075247		27.2	4.3	0.016	0.39	2.27	1.4	2	1.4	95.7	0.12	<0.05	0.9	0.030	0.25	9.1
G075248		12.8	0.7	0.005	0.19	0.91	0.2	1	0.4	62.7	<0.05	<0.05	<0.2	<0.005	0.06	2.7
G075249		148.0	0.5	0.003	1.59	3.00	0.2	1	2.1	52.7	<0.05	<0.05	<0.2	<0.005	0.06	2.2
G075250		>10000	234	0.021	>10.0	214	7.7	46	18.9	132.0	0.44	0.06	6.0	0.223	4.15	4.8
G075251		>10000	0.8	0.008	>10.0	90.2	<0.1	19	>500	1.9	<0.05	0.33	<0.2	<0.005	0.34	4.0
G075252		>10000	0.7	0.008	>10.0	189.5	<0.1	13	450	1.8	<0.05	1.24	<0.2	<0.005	1.33	1.9
G075253		75.2	1.3	<0.002	0.09	0.59	0.3	1	2.4	41.4	<0.05	<0.05	0.2	<0.005	<0.02	0.6
G075254		373	0.4	0.004	1.50	6.11	0.1	1	6.5	53.7	<0.05	<0.05	<0.2	<0.005	0.12	2.5
G075255		6.3	0.5	0.002	0.06	1.38	0.1	1	0.5	48.9	<0.05	<0.05	<0.2	<0.005	0.04	2.7
G075256		8.4	1.4	0.005	0.10	1.01	0.4	1	0.5	102.5	<0.05	<0.05	<0.2	0.006	0.20	3.9
G075257		10.6	1.4	0.016	0.21	1.67	0.5	1	0.9	126.0	<0.05	<0.05	0.2	0.007	0.40	3.1
G075258		16.6	1.1	0.008	0.18	1.76	0.5	1	1.1	128.5	<0.05	<0.05	0.2	0.007	0.41	3.0
G075259		>10000	1.5	0.006	>10.0	1365	0.1	68	480	2.0	<0.05	18.80	<0.2	<0.005	3.00	0.8
G075260		>10000	2.5	0.024	>10.0	425	0.1	51	185.0	4.5	<0.05	12.90	<0.2	0.008	1.62	0.7
G075261		320	1.1	0.003	0.12	1.55	0.3	1	0.8	40.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
G075262		>10000	1.6	0.035	>10.0	393	<0.1	45	177.5	3.1	<0.05	45.2	<0.2	<0.005	1.74	1.0
G075263		1620	2.9	0.055	>10.0	246	<0.1	11	57.4	5.7	<0.05	4.89	<0.2	0.007	1.29	1.2
G075264		2440	4.7	0.029	>10.0	223	0.1	19	70.9	2.5	<0.05	4.18	0.5	0.015	0.53	1.3
G075265		1015	5.7	0.030	>10.0	49.2	0.1	10	24.4	2.9	<0.05	1.58	0.2	0.011	0.58	1.0
G075266		28.6	4.4	0.010	3.04	2.67	0.8	1	2.6	62.4	0.06	0.06	0.3	0.018	0.17	1.6
G075267		9.6	5.4	0.007	0.62	1.23	0.7	1	2.1	70.6	0.06	<0.05	0.4	0.018	0.13	2.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11097792

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01	Pb- VOL70 Pb % 0.01	As- OG62 As % 0.001
G075232		19	2.0	1.7	>10000	1.9	165	6.03	2.71			
G075233		14	5.7	2.1	>10000	1.0		2.01	7.96			
G075234		31	7.0	2.5	>10000	2.9			1.745			
G075235		51	0.2	1.3	266	2.3						
G075236		64	0.1	1.8	101	2.3						
G075237		35	0.1	0.8	61	1.6						
G075238		35	0.1	1.0	59	1.6						
G075239		46	0.2	1.7	131	6.4						
G075240		30	0.2	1.0	126	2.9						
G075241		30	0.1	1.3	101	1.1						
G075242		101	57.6	12.0	>10000	15.9		1.605	7.23			
G075243		29	3.9	1.3	>10000	1.6	192	6.49	5.11			
G075244		93	0.7	6.2	166	26.4						
G075245		149	48.2	5.6	5120	16.1						
G075246		78	0.6	2.8	55	7.4						
G075247		60	0.6	3.2	89	11.1						
G075248		9	0.1	0.7	64	1.1						
G075249		9	0.3	0.6	1330	0.7						
G075250		73	5.6	10.5	>10000	56.4	704	1.900	2.67			
G075251		2	39.7	0.2	>10000	2.8		1.480	25.9			
G075252		6	61.8	0.3	>10000	0.6		2.99	12.95			
G075253		3	0.3	0.9	491	0.5						
G075254		6	0.6	0.6	905	0.7						
G075255		6	0.1	0.4	188	0.6						
G075256		17	0.1	1.1	86	2.2						
G075257		18	0.1	1.2	227	2.1						
G075258		19	0.1	1.3	397	2.0						
G075259		7	2.2	0.7	>10000	1.8	578	>20.0	>30.0	33.38	23.92	
G075260		7	1.1	0.6	>10000	1.6	384	15.90	19.70			1.390
G075261		2	0.1	0.8	479	<0.5						
G075262		6	1.5	1.1	>10000	1.0	369	10.30	9.63			
G075263		9	3.1	1.0	>10000	2.3			1.915			
G075264		10	3.0	1.6	1440	4.6						
G075265		9	5.3	0.5	1120	3.2						
G075266		7	1.0	1.6	58	4.1						
G075267		6	0.3	1.7	34	4.2						



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21- JUN- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11097792

Method	CERTIFICATE COMMENTS
ALL METHODS ME- MS61 ME- MS61	NSS is non- sufficient sample. Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 22- JUN- 2011
Account: RCM

CERTIFICATE WH11100829

Project: Rackla Gold (Tiger)

P.O. No.: Batch 7

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11100829

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075268		0.49	0.04	72.6	0.16	3570	40	0.05	0.24	3.24	320	10.60	2.5	5	3.01	110.5
G075269		0.10	0.10	59.4	3.52	146.5	130	0.34	53.2	2.10	379	10.40	80.1	89	2.31	>10000
G075270		2.12	0.04	22.3	0.16	1590	180	<0.05	0.25	0.05	429	2.15	1.1	5	0.16	262
G075271		4.55	0.11	>100	0.13	2620	20	0.07	2.77	0.18	70.4	3.55	0.7	11	0.30	788
G075272		4.51	<0.01	0.71	0.97	139	500	0.41	0.04	17.55	12.45	19.05	3.5	15	0.55	25.6
G075273		2.26	<0.01	0.80	0.97	188	440	0.35	0.05	17.55	12.50	18.20	3.3	21	0.52	24.6
G075274		3.65	0.10	29.2	0.20	2150	50	0.07	1.46	4.63	31.2	4.10	1.2	8	0.33	155.0
G075275		6.49	<0.01	0.14	0.10	17	720	0.06	0.01	20.4	13.20	2.30	0.8	3	0.08	7.7
G075276		10.71	<0.01	0.21	0.13	7	1200	0.10	0.01	19.95	10.05	4.62	1.1	6	0.07	6.5
G075277		10.22	<0.01	0.15	0.44	5	3490	0.16	0.02	19.20	6.87	6.39	1.5	9	0.45	11.0
G075278		11.04	<0.01	0.05	0.08	<5	100	0.08	0.01	20.7	13.20	2.30	1.2	4	0.07	2.4
G075279		10.45	<0.01	0.11	0.10	26	90	0.08	0.03	20.4	8.68	2.87	1.3	4	0.12	2.8
G075280		7.23	0.05	91.7	0.15	2180	110	<0.05	10.70	5.96	12.65	9.87	0.8	5	0.15	74.4
G075281		6.98	0.02	3.00	0.27	1080	110	0.10	1.50	16.35	7.21	5.56	1.7	9	0.19	8.5
G075282		8.97	0.09	11.10	0.17	2740	180	0.06	7.93	1.27	18.05	2.92	0.8	9	0.17	24.6
G075283		7.07	0.09	33.3	0.11	4410	60	<0.05	18.30	1.08	377	5.65	0.7	6	0.15	143.5
G075284		7.20	<0.01	0.04	0.06	<5	50	0.05	0.07	20.5	0.36	1.24	1.1	<1	0.15	1.4
G075285		9.10	0.03	>100	0.10	3100	40	<0.05	0.13	0.07	486	2.83	0.5	6	0.12	159.0
G075286		7.21	0.02	24.4	0.18	1895	60	0.05	0.03	0.12	141.0	1.44	1.0	6	0.18	44.7
G075287		13.23	0.04	43.5	0.28	4110	170	0.09	0.21	0.19	633	2.19	1.3	8	0.81	130.0
G075288		16.38	0.02	6.10	0.15	7460	40	<0.05	0.05	0.28	119.0	1.96	0.5	7	0.29	49.4
G075289		15.57	0.01	9.09	0.10	6560	30	<0.05	0.02	0.40	88.3	0.62	0.4	5	0.16	52.4
G075290		16.06	0.04	19.30	0.12	6300	30	<0.05	0.09	0.04	551	1.32	0.5	8	0.15	110.0
G075291		15.86	<0.01	22.1	0.14	1960	30	<0.05	0.03	0.11	483	1.38	0.5	7	0.17	82.0
G075292		18.52	0.04	74.1	0.13	5820	30	<0.05	0.11	0.04	597	2.24	0.5	6	0.21	143.0
G075293		7.33	<0.01	0.12	0.05	14	10	0.06	0.03	20.9	1.11	1.30	1.3	2	0.12	2.3
G075294		0.10	0.24	>100	5.64	4300	340	0.92	0.21	2.31	129.0	32.7	12.5	49	4.52	454
G075295		17.25	0.04	26.5	0.12	2700	40	<0.05	0.10	0.02	588	6.93	0.3	10	0.17	104.5
G075296		15.63	0.08	32.2	0.13	2780	30	<0.05	0.95	0.06	207	2.89	0.5	8	0.29	55.5
G075297		3.89	<0.01	10.55	0.32	649	300	0.17	0.13	15.75	138.5	27.1	2.4	33	3.46	20.6
G075298		10.85	<0.01	0.95	0.20	10	20	0.10	0.02	19.25	3.26	5.39	1.7	18	0.48	5.2
G075299		7.71	<0.01	1.99	0.13	9	4890	0.12	0.07	18.65	1.80	3.72	1.4	23	0.32	5.5
G075300		9.55	<0.01	0.10	0.14	7	60	0.13	0.01	20.4	0.38	5.00	1.5	9	0.25	3.2
G075301		4.39	<0.01	0.09	0.12	9	30	0.12	0.01	20.7	0.47	6.29	1.7	7	0.23	3.7
G075302		8.13	<0.01	0.08	4.95	18	660	1.46	0.24	11.00	0.21	66.7	9.3	33	10.55	15.7
G075303		6.41	<0.01	0.14	8.26	23.1	830	2.65	0.41	2.81	0.18	100.0	17.8	64	12.05	33.2



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11100829

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075268		28.5	4.54	0.43	0.1	28.2	0.06	7.1	1.4	1.72	166	2.11	0.01	0.9	22.7	840
G075269		16.45	17.25	0.54	0.4	2.65	0.62	4.3	23.7	1.17	661	34.4	0.66	1.8	41.0	400
G075270		32.9	31.9	0.40	0.1	57.4	0.08	1.5	1.3	0.02	100	2.13	<0.01	0.8	11.4	120
G075271		24.4	5.18	0.38	0.1	29.7	0.04	2.4	5.9	0.06	132	1.07	<0.01	0.5	3.0	340
G075272		1.32	4.13	0.05	0.5	0.500	0.45	11.2	6.4	10.55	235	18.60	0.02	3.8	37.1	3860
G075273		1.50	5.01	0.07	0.5	0.488	0.46	10.6	5.0	10.30	244	19.60	0.01	3.9	33.8	3450
G075274		26.2	2.44	0.42	0.1	8.99	0.08	2.0	2.4	2.51	455	1.98	0.01	0.9	9.6	1020
G075275		0.34	0.60	0.07	<0.1	0.411	0.03	1.3	2.3	12.50	221	0.29	0.01	0.4	3.1	220
G075276		0.29	1.51	0.13	0.1	1.865	0.03	2.5	2.2	12.05	207	1.13	0.01	0.5	6.7	1960
G075277		0.50	1.04	0.11	0.2	0.165	0.12	3.6	3.1	11.85	189	2.76	<0.01	1.7	10.0	1390
G075278		0.31	0.33	0.17	0.1	0.011	0.02	1.3	1.7	12.70	191	0.56	0.01	0.5	4.1	40
G075279		0.39	0.50	0.18	0.1	0.017	0.03	1.7	2.2	12.45	263	1.18	0.01	0.6	5.0	110
G075280		28.8	2.38	0.48	0.1	1.990	0.07	7.3	1.0	3.22	3780	1.97	<0.01	1.1	3.9	20
G075281		5.87	1.23	0.11	0.2	0.220	0.11	3.4	3.1	9.82	611	5.97	0.01	1.4	10.3	60
G075282		36.8	3.47	0.51	0.1	3.33	0.08	2.1	1.6	0.62	940	2.88	<0.01	1.1	4.7	30
G075283		31.8	21.3	0.52	0.1	29.1	0.05	3.6	1.5	0.48	1070	1.29	<0.01	1.0	5.7	40
G075284		0.46	0.25	0.05	<0.1	0.031	0.03	0.6	0.8	12.40	215	0.12	<0.01	0.3	2.0	200
G075285		27.9	14.80	0.47	0.1	17.80	0.05	2.3	0.5	0.04	140	1.16	<0.01	0.7	4.1	20
G075286		40.4	4.04	0.44	0.1	5.58	0.08	1.1	0.9	0.07	103	1.33	0.01	1.0	9.3	50
G075287		31.1	17.60	0.39	0.1	25.0	0.11	1.2	1.9	0.11	272	2.63	0.01	0.9	10.9	40
G075288		37.8	8.26	0.48	0.1	9.17	0.07	1.6	1.2	0.15	234	1.52	0.01	0.8	6.7	30
G075289		41.1	6.84	0.51	<0.1	5.73	0.04	<0.5	0.9	0.20	327	2.56	<0.01	0.9	12.1	10
G075290		31.4	16.90	0.42	0.1	21.4	0.05	1.2	1.0	0.03	137	2.15	<0.01	0.9	6.8	20
G075291		31.7	10.65	0.42	0.1	14.20	0.07	1.2	1.0	0.06	160	1.87	<0.01	1.0	6.7	30
G075292		32.5	12.35	0.43	0.1	23.7	0.06	2.1	1.1	0.03	122	2.15	<0.01	0.9	13.5	40
G075293		0.56	0.23	<0.05	<0.1	0.076	0.02	0.6	0.9	12.50	205	0.09	<0.01	0.2	0.6	170
G075294		7.65	13.25	0.22	1.5	0.375	1.63	14.6	20.0	0.82	1350	7.92	1.16	5.1	28.0	480
G075295		26.6	9.37	0.52	0.1	25.3	0.05	6.3	0.8	0.01	98	1.15	<0.01	0.6	8.2	30
G075296		38.5	4.34	0.49	0.1	11.75	0.06	2.5	1.6	0.04	34	2.44	<0.01	1.0	7.8	20
G075297		4.21	3.52	0.08	0.3	3.50	0.11	17.0	3.0	9.49	414	7.87	0.01	2.5	13.3	210
G075298		0.66	0.64	<0.05	0.1	0.163	0.07	2.8	3.6	11.30	408	0.59	0.01	0.6	6.4	410
G075299		0.41	0.52	<0.05	0.1	0.469	0.05	1.9	4.1	11.25	323	0.35	0.04	0.3	8.1	250
G075300		0.31	0.47	<0.05	0.1	0.017	0.05	2.6	2.8	12.15	301	0.23	0.01	0.4	0.6	110
G075301		0.44	0.42	<0.05	0.1	0.019	0.02	3.3	3.0	12.40	342	0.36	0.01	0.4	1.5	280
G075302		2.46	11.45	0.05	1.3	0.050	1.99	31.9	17.4	6.34	1360	0.28	0.05	6.4	16.6	890
G075303		3.78	20.9	0.15	2.3	0.086	3.95	46.4	20.7	1.97	705	0.28	0.09	10.5	32.5	590



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11100829

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075268		>10000	4.2	0.119	>10.0	152.0	0.4	7	189.5	26.2	0.05	0.47	0.3	0.017	2.23	23.8
G075269		>10000	24.5	0.018	>10.0	92.4	11.3	69	12.1	76.0	0.16	0.10	0.9	0.235	5.98	3.2
G075270		7640	6.1	0.018	>10.0	613	0.2	10	157.5	9.8	<0.05	0.53	0.2	0.013	0.88	10.3
G075271		>10000	3.6	0.007	>10.0	2760	0.2	10	118.0	11.8	<0.05	0.64	<0.2	0.005	2.40	6.6
G075272		54.4	16.7	0.085	1.48	23.9	2.0	3	5.0	78.0	0.21	<0.05	1.6	0.067	0.73	52.8
G075273		58.6	16.7	0.094	1.78	19.90	2.0	4	5.2	75.8	0.24	<0.05	1.8	0.067	0.76	44.1
G075274		>10000	5.3	0.011	>10.0	2820	0.4	4	94.9	14.6	<0.05	0.29	0.2	0.013	3.87	16.2
G075275		49.2	2.4	<0.002	0.20	16.90	0.5	2	1.6	97.4	<0.05	<0.05	0.2	0.005	0.14	6.9
G075276		81.5	1.8	0.005	0.29	9.11	0.7	2	1.1	104.0	<0.05	<0.05	0.2	0.006	0.20	25.2
G075277		12.9	6.8	0.008	0.63	2.70	1.2	2	5.0	133.0	0.11	<0.05	0.8	0.028	0.40	18.6
G075278		10.9	1.1	0.003	0.18	1.54	0.5	1	0.4	68.3	<0.05	<0.05	0.2	0.007	0.10	3.8
G075279		19.3	1.9	0.003	0.34	1.29	0.5	1	0.5	68.8	<0.05	<0.05	0.2	0.008	0.13	5.3
G075280		>10000	5.4	0.011	>10.0	265	0.4	6	46.3	10.8	0.05	0.44	0.3	0.016	0.92	1.8
G075281		938	4.6	0.014	7.48	17.00	0.9	2	3.5	59.2	0.09	0.10	0.6	0.025	0.37	3.6
G075282		2530	6.1	0.007	>10.0	75.5	0.2	6	17.6	7.8	0.05	0.49	0.3	0.015	0.48	1.6
G075283		7700	4.2	0.006	>10.0	108.0	0.1	18	83.2	5.9	<0.05	2.46	0.2	0.011	1.04	1.8
G075284		14.0	1.2	<0.002	0.04	0.33	0.3	1	0.2	39.5	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G075285		>10000	3.3	0.005	>10.0	486	<0.1	19	284	1.0	<0.05	3.07	<0.2	0.008	1.04	1.0
G075286		5600	5.6	0.011	>10.0	36.7	<0.1	5	32.8	1.4	<0.05	0.40	0.3	0.011	0.92	2.2
G075287		>10000	8.5	0.025	>10.0	58.0	0.2	11	67.4	7.3	<0.05	0.84	0.2	0.013	2.04	24.5
G075288		446	5.1	0.022	>10.0	20.7	0.1	8	27.4	1.3	<0.05	0.77	0.3	0.011	1.42	1.3
G075289		1935	3.6	0.051	>10.0	25.4	<0.1	7	21.4	1.5	<0.05	0.84	0.2	0.006	1.75	1.6
G075290		2630	4.9	0.023	>10.0	27.9	<0.1	11	47.4	0.9	<0.05	2.97	0.2	0.008	1.09	2.0
G075291		3200	5.7	0.022	>10.0	29.8	<0.1	8	51.2	1.2	<0.05	0.59	0.3	0.008	0.97	1.6
G075292		>10000	4.7	0.062	>10.0	83.5	<0.1	13	84.9	0.8	<0.05	6.33	0.3	0.008	1.96	1.7
G075293		18.1	0.9	<0.002	0.18	0.25	0.4	3	0.3	41.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075294		8590	130.5	0.012	6.14	110.5	12.4	23	11.5	209	0.38	0.05	3.8	0.272	2.22	2.6
G075295		2610	3.7	0.032	>10.0	36.0	0.1	29	69.1	0.6	<0.05	2.08	0.3	0.007	1.15	1.0
G075296		8530	4.6	0.057	>10.0	54.6	<0.1	6	34.2	1.3	<0.05	1.28	0.3	0.008	1.71	1.8
G075297		1965	10.5	0.056	6.24	18.20	1.1	10	22.2	71.8	0.14	0.36	1.1	0.039	2.08	6.9
G075298		44.1	6.9	0.005	0.39	2.88	0.7	3	3.9	79.6	<0.05	<0.05	0.5	0.013	0.59	4.0
G075299		789	2.8	0.006	0.35	6.10	0.5	3	3.2	107.0	<0.05	<0.05	0.3	0.007	0.45	4.0
G075300		12.2	3.3	0.004	0.15	1.21	0.5	3	0.5	106.0	<0.05	<0.05	0.3	0.008	0.30	2.5
G075301		12.5	1.5	0.008	0.19	1.83	0.5	3	0.7	111.0	<0.05	<0.05	0.3	0.007	0.49	3.3
G075302		15.9	72.7	0.004	1.97	7.25	9.2	2	1.9	87.3	0.51	<0.05	8.1	0.178	3.82	6.5
G075303		32.1	137.5	0.004	3.63	8.28	16.4	2	2.8	42.2	0.82	<0.05	14.3	0.313	2.69	7.4



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11100829

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075268		14	3.0	2.2	>10000	3.9		1.850	5.97
G075269		98	55.2	10.7	>10000	10.2		1.610	7.21
G075270		37	3.4	0.5	>10000	3.2			7.74
G075271		21	5.3	0.9	>10000	1.9	117	6.19	1.455
G075272		207	0.9	7.3	2100	20.1			
G075273		196	1.0	7.1	1820	19.7			
G075274		29	3.2	2.2	5280	3.7		2.23	
G075275		30	0.1	1.7	2370	1.6			
G075276		40	0.1	4.0	849	2.4			
G075277		44	0.2	3.3	361	9.0			
G075278		16	0.1	1.0	881	2.1			
G075279		16	0.1	1.2	635	2.2			
G075280		18	2.6	2.9	1230	3.5		2.97	
G075281		18	1.2	1.6	284	6.3			
G075282		15	4.7	0.7	4460	3.3			
G075283		14	3.8	0.6	>10000	2.6			8.59
G075284		3	0.1	0.8	77	<0.5			
G075285		10	1.9	0.2	>10000	2.2	406	15.00	10.55
G075286		14	1.7	0.4	>10000	3.3			3.84
G075287		16	4.5	0.7	>10000	4.4		1.445	15.10
G075288		14	2.6	0.4	>10000	3.0			2.40
G075289		10	1.4	0.5	>10000	1.9			2.35
G075290		12	2.0	0.3	>10000	2.5			13.45
G075291		16	1.6	0.4	>10000	2.6			12.30
G075292		16	1.6	0.3	>10000	2.5		1.910	14.20
G075293		2	0.1	0.8	330	<0.5			
G075294		92	3.3	13.2	>10000	43.0	343		1.345
G075295		13	2.4	0.3	>10000	1.8			15.85
G075296		10	2.6	0.3	>10000	2.6			5.30
G075297		31	2.1	4.2	>10000	11.5			3.49
G075298		25	0.2	2.4	3080	3.9			
G075299		21	0.3	1.6	1520	2.4			
G075300		18	0.2	1.8	757	3.0			
G075301		16	0.2	2.2	1180	2.8			
G075302		52	4.6	13.6	334	39.9			
G075303		89	5.0	14.8	156	72.3			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22- JUN- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11100829

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 22- JUN- 2011
Account: RCM

CERTIFICATE WH11103177

Project: Rackla Gold (Tiger)

P.O. No.: Batch 8

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9- JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11103177

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075304		4.43	0.01	0.05	2.71	30.9	370	0.65	0.17	3.00	0.04	36.9	5.6	25	3.46	16.4
G075305		9.44	0.01	0.03	1.20	9.9	280	0.31	0.07	8.57	0.06	20.7	2.2	12	1.20	6.5
G075306		9.88	<0.01	0.84	7.09	23.2	1780	2.07	0.37	2.30	0.23	83.0	16.9	60	10.05	31.9
G075307		10.61	<0.01	0.09	7.46	12.3	340	2.40	0.39	1.37	0.05	84.5	13.6	62	9.72	27.6
G075308		4.99	<0.01	0.08	4.57	23.5	490	1.43	0.26	1.60	0.06	52.3	7.7	41	5.37	12.9
G075309		8.91	<0.01	0.04	0.95	13	340	0.33	0.05	12.45	0.08	17.90	2.7	9	0.97	7.5
G075310		5.94	<0.01	0.04	1.90	5.2	910	0.46	0.11	6.36	0.04	30.0	2.6	23	1.70	6.9
G075311		10.43	<0.01	0.04	2.13	16	1130	0.61	0.10	10.75	0.11	25.4	3.4	16	1.97	8.8
G075312		9.77	<0.01	0.07	0.62	7	210	0.17	0.03	13.60	0.08	10.20	1.3	7	0.42	5.5
G075313		5.75	0.01	0.02	0.30	<5	50	0.10	0.03	17.80	0.02	4.85	0.7	3	0.12	4.2
G075314		6.71	<0.01	0.05	0.03	<5	310	0.07	0.02	18.80	0.71	0.97	0.3	2	<0.05	2.5
G075315		8.76	<0.01	0.08	0.05	7	160	0.11	0.02	21.0	0.69	1.13	0.2	<1	0.06	2.0
G075316		7.89	<0.01	0.21	0.17	13	270	0.11	0.07	20.5	0.93	2.80	0.4	5	0.12	3.5
G075317		5.23	0.07	13.55	0.38	3110	110	0.22	0.95	15.85	3.59	6.48	2.4	12	0.23	39.9
G075318		9.57	<0.01	1.50	0.48	48	980	0.31	0.18	20.5	1.38	6.82	2.7	13	0.25	4.8
G075319		6.02	0.09	40.2	0.27	1320	170	0.29	0.68	16.00	36.3	5.69	1.0	32	0.26	45.8
G075320		8.34	0.14	5.70	0.08	3250	160	0.08	1.10	7.82	34.6	3.24	1.3	5	0.17	63.5
G075321		0.13	0.47	>100	4.52	8630	210	0.84	0.21	1.89	251	34.2	14.5	40	7.08	941
G075322		6.53	0.01	0.25	0.08	145	250	0.15	0.10	20.0	1.01	3.22	0.7	3	0.27	3.3
G075323		11.16	0.04	4.16	0.16	420	290	0.25	0.53	19.35	4.24	5.29	0.7	5	0.23	23.2
G075324		11.47	<0.01	0.25	0.09	18	220	0.13	0.10	19.25	0.06	2.54	0.3	3	0.07	2.2
G075325		11.21	<0.01	0.28	0.05	<5	180	0.13	0.14	19.85	0.08	1.58	0.2	4	0.05	11.2
G075326		11.92	<0.01	0.11	0.17	9	490	0.16	0.02	20.3	0.04	2.79	0.4	6	0.10	1.9
G075327		7.09	<0.01	0.03	0.06	<5	10	0.07	0.01	20.8	0.07	1.25	0.6	<1	0.16	2.6
G075328		11.92	<0.01	0.11	0.79	11	1610	0.52	0.03	19.40	0.08	7.57	1.3	11	0.40	5.3
G075329		10.82	<0.01	0.11	0.67	8	1330	0.49	0.01	19.85	0.11	7.25	1.3	9	0.30	2.5
G075330		10.57	<0.01	0.11	0.29	<5	630	0.32	0.03	19.95	0.12	3.99	0.6	2	0.15	2.0
G075331		10.30	<0.01	0.28	0.74	13	1910	0.84	0.25	20.0	0.14	7.40	1.1	6	0.36	2.9
G075332		10.97	<0.01	0.18	0.49	14	1080	0.69	0.24	20.3	0.11	5.72	0.9	4	0.46	2.0
G075333		4.74	<0.01	0.11	0.46	30	980	0.82	0.20	20.5	0.10	6.31	0.8	8	0.38	1.9
G075334		8.64	<0.01	0.12	0.49	26	1090	0.98	0.19	21.0	0.08	6.85	0.9	5	0.41	2.0
G075335		3.22	0.23	73.3	0.39	3100	400	0.29	5.41	6.38	384	153.5	4.0	12	1.72	546
G075336		7.02	<0.01	0.02	0.07	<5	20	0.06	0.02	21.0	0.12	1.34	1.2	1	0.17	3.2
G075337		3.76	0.01	25.3	0.02	179	880	0.07	0.60	15.10	39.6	5.97	0.7	7	0.19	383
G075338		0.27	0.09	60.6	5.08	2660	570	0.88	4.17	6.94	125.5	31.7	12.9	45	3.14	1010
G075339		9.99	<0.01	0.03	0.02	<5	370	0.10	0.07	16.45	0.04	0.42	0.7	3	<0.05	2.3



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11103177

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075304		3.56	6.92	0.13	1.0	0.026	1.27	17.3	5.0	1.77	324	1.47	0.03	3.6	13.9	980
G075305		0.88	3.13	0.18	0.5	0.015	0.50	8.9	4.3	5.15	548	1.15	0.01	1.7	3.6	810
G075306		2.23	22.0	0.16	1.8	0.097	3.83	41.2	13.2	1.91	243	0.50	0.06	10.0	26.8	980
G075307		4.34	21.9	0.17	1.7	0.070	3.84	41.5	19.0	1.33	418	0.32	0.07	9.2	26.4	410
G075308		5.53	12.05	0.13	1.2	0.045	2.18	25.7	9.6	1.15	167	1.36	0.04	4.9	25.6	1020
G075309		0.85	2.44	0.13	0.4	0.014	0.45	7.9	3.2	8.12	1040	0.47	0.01	1.3	3.6	840
G075310		1.24	4.65	0.18	0.7	0.020	0.84	13.6	5.4	3.78	434	0.66	0.02	2.3	5.2	1440
G075311		1.10	5.55	0.12	0.8	0.019	0.93	11.5	6.7	7.08	623	1.00	0.03	2.5	6.0	850
G075312		0.36	1.61	0.14	0.3	0.009	0.16	4.8	4.0	9.05	325	0.46	0.01	0.9	2.6	1110
G075313		0.21	0.70	0.14	0.2	0.006	0.02	2.3	3.4	11.05	140	0.25	0.01	0.5	2.5	380
G075314		0.14	0.08	0.15	<0.1	0.013	0.01	0.7	2.6	11.65	350	0.15	0.01	0.1	1.5	50
G075315		0.13	0.12	0.10	<0.1	0.050	0.02	0.8	3.6	12.90	323	0.11	0.01	0.1	0.6	80
G075316		0.22	0.42	0.11	0.1	0.078	0.06	1.6	4.5	12.70	376	0.18	0.01	0.6	1.8	190
G075317		10.90	2.09	0.15	0.2	1.785	0.16	4.6	4.5	9.76	523	0.44	0.01	1.4	12.4	1230
G075318		0.54	1.38	0.07	0.2	0.302	0.21	4.2	4.2	12.45	526	0.37	0.02	2.0	13.0	2010
G075319		6.50	3.89	0.14	0.1	8.84	0.11	4.3	3.5	9.88	1520	0.17	0.01	0.6	5.2	480
G075320		23.9	1.90	0.13	<0.1	6.84	0.03	2.6	2.0	4.52	1660	0.33	0.01	0.1	5.7	60
G075321		11.15	13.15	0.15	1.2	0.570	2.46	15.6	22.2	0.33	1960	8.90	0.03	5.5	22.1	370
G075322		1.25	0.47	0.09	<0.1	0.349	0.03	1.9	2.7	12.65	1180	0.20	0.02	0.2	4.2	260
G075323		2.78	1.24	0.07	0.1	1.865	0.07	4.0	2.9	11.80	1340	0.42	0.02	0.4	4.3	1030
G075324		0.22	0.25	0.11	0.1	0.083	0.03	2.0	3.4	11.80	352	1.80	0.01	0.3	1.3	920
G075325		0.10	0.14	0.12	<0.1	0.085	0.02	1.0	3.7	12.30	262	0.21	0.01	0.2	0.9	300
G075326		0.17	0.48	0.12	0.1	0.081	0.06	1.6	3.8	12.45	275	0.46	0.02	0.5	1.8	1030
G075327		0.45	0.19	0.08	<0.1	0.006	0.03	0.6	1.0	12.75	212	0.08	<0.01	0.2	1.0	180
G075328		0.48	2.46	0.05	0.4	0.016	0.35	3.8	6.5	11.95	248	2.67	0.02	2.5	6.3	2710
G075329		0.40	2.00	0.07	0.4	0.026	0.29	3.6	5.8	12.15	274	2.82	0.02	2.3	6.1	2980
G075330		0.21	0.80	<0.05	0.1	0.006	0.12	2.1	3.9	12.10	254	6.54	0.02	0.9	4.5	1490
G075331		0.41	2.47	0.11	0.3	0.033	0.30	3.5	6.4	12.10	361	4.30	0.02	2.2	6.0	1590
G075332		0.46	1.96	0.07	0.3	0.050	0.20	2.7	5.8	12.40	603	2.74	0.02	1.4	6.8	1410
G075333		0.50	2.47	0.08	0.2	0.054	0.19	3.6	6.2	12.40	572	2.40	0.02	1.5	5.7	2580
G075334		0.49	2.61	0.07	0.2	0.042	0.20	3.9	6.4	12.65	532	2.88	0.02	1.7	5.1	2920
G075335		9.07	26.0	0.22	0.2	80.0	0.06	136.5	2.0	3.80	1600	2.64	0.02	1.0	28.9	380
G075336		0.46	0.26	<0.05	<0.1	0.015	0.03	0.7	1.0	12.80	204	0.16	0.01	0.2	<0.2	180
G075337		0.52	4.66	<0.05	<0.1	17.45	0.01	3.8	2.7	9.16	2430	0.38	0.01	0.1	1.1	30
G075338		3.77	10.80	0.06	1.3	0.096	1.35	15.3	15.4	0.70	2770	5.47	1.26	4.4	29.4	630
G075339		0.10	0.24	<0.05	<0.1	0.011	0.01	<0.5	2.1	10.00	186	0.30	0.01	0.1	<0.2	20



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11103177

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075304		19.5	48.0	0.004	3.84	4.04	4.7	1	1.1	37.9	0.26	<0.05	5.4	0.114	0.93	3.2
G075305		10.4	23.0	0.004	0.81	1.65	2.3	1	0.8	98.7	0.12	<0.05	2.5	0.052	0.30	1.8
G075306		122.0	118.5	0.003	1.73	5.62	13.7	1	10.1	41.4	0.76	<0.05	11.4	0.304	1.47	2.6
G075307		19.1	139.0	0.002	4.39	6.03	14.6	1	2.5	29.3	0.68	<0.05	12.3	0.290	1.65	2.8
G075308		22.1	84.3	0.003	6.10	3.59	8.7	<1	1.6	26.3	0.37	<0.05	7.9	0.173	0.96	2.7
G075309		13.7	17.2	0.005	0.76	1.15	1.9	1	0.5	120.5	0.09	<0.05	2.1	0.041	0.19	2.3
G075310		6.6	32.1	0.004	1.25	1.66	3.2	1	0.7	57.1	0.18	<0.05	3.8	0.078	0.32	3.7
G075311		6.6	36.7	0.003	1.22	1.65	3.9	1	0.8	100.5	0.19	<0.05	3.6	0.082	0.38	3.4
G075312		6.2	7.2	0.005	0.32	1.07	1.1	1	0.4	107.5	0.06	<0.05	1.4	0.027	0.21	1.8
G075313		2.9	1.4	0.005	0.20	0.60	0.6	<1	0.3	108.0	<0.05	0.05	0.7	0.015	0.10	1.2
G075314		19.2	0.5	0.003	0.04	1.99	0.1	<1	0.3	164.5	<0.05	<0.05	<0.2	<0.005	0.02	1.0
G075315		12.4	0.7	0.002	0.06	2.86	0.1	1	0.4	79.2	<0.05	<0.05	<0.2	<0.005	0.03	1.6
G075316		30.3	2.4	0.003	0.13	4.68	0.4	1	1.2	75.9	<0.05	<0.05	0.2	0.013	0.03	2.4
G075317		897	6.3	0.004	>10.0	54.1	0.8	4	26.9	61.2	0.07	1.37	0.5	0.025	0.36	10.4
G075318		380	6.2	0.004	0.64	7.30	1.3	1	3.2	84.5	0.11	<0.05	0.6	0.038	0.26	17.7
G075319		>10000	5.6	0.005	9.03	55.0	1.2	1	29.1	71.5	<0.05	0.43	0.2	0.016	0.30	4.1
G075320		345	1.6	0.017	>10.0	22.9	0.5	2	39.7	34.9	<0.05	0.41	<0.2	<0.005	0.76	0.9
G075321		>10000	213	0.020	>10.0	215	7.3	34	17.7	126.5	0.42	0.05	4.5	0.223	3.85	4.2
G075322		26.4	1.7	<0.002	1.29	1.26	0.5	<1	1.1	145.0	<0.05	<0.05	0.2	<0.005	0.09	4.0
G075323		824	3.0	0.006	3.46	27.4	0.6	1	14.1	99.6	<0.05	0.35	0.3	0.008	0.32	11.6
G075324		43.8	1.3	0.008	0.20	2.27	0.3	<1	0.5	79.5	<0.05	<0.05	0.2	0.006	0.10	14.4
G075325		79.2	0.6	0.003	0.08	17.55	0.2	<1	0.4	79.7	<0.05	<0.05	<0.2	<0.005	0.07	4.1
G075326		5.3	2.5	0.003	0.18	1.53	0.4	1	0.4	77.6	<0.05	<0.05	0.3	0.010	0.13	8.0
G075327		1.7	1.2	0.003	0.01	0.15	0.2	<1	0.2	40.5	<0.05	<0.05	<0.2	<0.005	0.02	0.5
G075328		10.3	11.7	0.008	0.59	2.73	1.4	1	0.9	83.7	0.14	<0.05	1.4	0.042	0.30	19.0
G075329		13.1	9.5	0.007	0.48	2.52	1.3	1	1.1	89.2	0.13	<0.05	1.2	0.038	0.33	17.5
G075330		9.1	3.7	0.011	0.21	1.59	0.5	<1	0.5	70.6	0.06	<0.05	0.4	0.018	0.24	10.4
G075331		15.3	9.9	0.010	0.43	2.05	1.4	<1	1.3	77.6	0.15	<0.05	1.3	0.048	0.36	8.6
G075332		15.6	7.0	0.011	0.40	1.63	1.0	1	1.2	111.0	0.10	<0.05	1.0	0.030	0.32	5.7
G075333		9.5	7.0	0.009	0.46	2.31	0.9	<1	1.8	131.5	0.10	0.06	0.8	0.031	0.21	17.8
G075334		7.9	7.9	0.008	0.45	2.33	1.0	<1	1.9	129.0	0.10	<0.05	0.9	0.032	0.24	17.8
G075335		>10000	4.9	0.123	>10.0	187.5	0.6	22	>500	74.3	<0.05	3.33	0.3	0.026	9.47	78.2
G075336		2.7	1.5	<0.002	0.02	0.08	0.3	2	0.3	39.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075337		1970	0.6	0.009	1.05	108.5	0.8	5	419	46.4	<0.05	0.71	<0.2	<0.005	0.60	0.9
G075338		>10000	68.0	0.003	2.79	53.8	8.5	7	3.4	439	0.32	0.18	4.1	0.206	0.76	1.7
G075339		2.9	0.4	0.002	0.05	1.33	0.1	2	0.3	46.9	<0.05	<0.05	<0.2	<0.005	0.04	1.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22- JUN- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11103177

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075304		35	1.6	9.0	68	35.7			
G075305		15	0.4	8.2	28	17.1			
G075306		81	2.3	12.8	119	66.2			
G075307		93	2.1	12.0	116	71.1			
G075308		56	1.4	10.8	143	43.8			
G075309		12	0.3	8.6	44	14.6			
G075310		20	0.5	10.0	28	22.7			
G075311		24	0.5	8.8	44	31.0			
G075312		15	0.3	4.8	26	10.1			
G075313		10	0.2	2.4	19	5.6			
G075314		4	0.1	0.8	237	0.6			
G075315		4	0.1	0.9	174	0.8			
G075316		6	0.3	1.4	164	3.3			
G075317		20	16.4	2.7	693	7.6			
G075318		24	0.6	4.4	316	9.0			
G075319		19	2.9	2.4	7990	4.2		1.415	
G075320		11	14.5	1.4	8270	1.0			
G075321		73	5.2	8.0	>10000	36.7	689	1.875	2.75
G075322		10	0.5	2.0	542	1.7			
G075323		16	0.9	3.2	1220	3.6			
G075324		12	0.8	3.0	208	2.2			
G075325		8	0.2	1.3	105	1.2			
G075326		12	0.2	1.7	56	4.1			
G075327		3	0.1	0.8	15	<0.5			
G075328		29	0.7	3.3	64	13.5			
G075329		25	0.9	3.1	186	10.6			
G075330		21	1.1	1.7	192	4.5			
G075331		28	2.0	2.7	359	11.2			
G075332		26	1.8	2.2	241	8.2			
G075333		25	1.8	3.3	282	8.1			
G075334		27	1.9	3.4	246	9.1			
G075335		42	13.4	6.2	>10000	8.5		1.200	9.74
G075336		2	0.1	0.8	26	<0.5			
G075337		10	0.8	5.4	8650	0.6			
G075338		62	10.0	11.9	>10000	38.2		1.900	2.00
G075339		4	0.1	0.3	211	<0.5			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22- JUN- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11103177

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: **3- JUL- 2011**
Account: **RCM**

CERTIFICATE WH11107515

Project: Rackla Gold (Tiger)

P.O. No.: Batch 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075340		8.56	<0.01	0.02	0.03	<5	60	0.07	0.04	14.05	0.02	0.40	0.5	5	<0.05	2.0
G075341		7.99	0.02	0.02	0.02	<5	120	0.08	0.01	17.95	0.04	0.49	0.6	4	<0.05	1.5
G075342		10.72	<0.01	0.02	0.03	<5	90	0.08	0.04	19.75	0.03	0.53	0.7	2	<0.05	1.0
G075343		9.63	<0.01	0.04	0.04	<5	110	0.09	0.04	18.85	0.02	0.74	0.7	<1	<0.05	0.6
G075344		0.27	0.09	0.05	0.15	5	220	0.10	0.12	20.0	0.03	3.96	1.2	11	0.10	2.7
G075345		5.93	<0.01	0.04	0.15	<5	210	0.08	0.12	19.50	0.03	3.98	1.2	7	0.10	2.6
G075346		4.36	0.01	0.09	6.51	17.5	1460	0.66	0.03	9.78	0.37	70.3	41.3	184	3.99	65.7
G075347		6.96	<0.01	0.01	1.01	<5	440	0.14	0.01	17.10	0.05	12.10	6.0	32	0.50	11.4
G075348		7.02	<0.01	0.02	1.22	<5	380	0.24	0.01	18.00	0.05	16.70	6.9	39	1.04	11.9
G075349		6.77	<0.01	0.02	1.11	<5	420	0.12	0.01	19.60	0.12	15.70	6.6	29	0.55	9.6
G075350		9.82	<0.01	0.02	0.54	<5	200	0.09	0.01	17.90	0.06	9.62	3.8	18	0.30	7.8
G075351		4.69	<0.01	0.05	1.41	6	420	0.24	0.01	16.35	0.12	20.6	9.4	35	0.95	11.0
G075352		9.67	<0.01	0.02	0.16	<5	1290	0.13	0.01	18.95	0.07	3.31	1.0	6	0.15	2.3
G075353		11.62	<0.01	0.04	0.09	<5	700	0.07	0.01	20.3	0.06	2.06	0.7	5	0.08	1.5
G075354		4.89	<0.01	0.05	0.04	<5	310	0.12	<0.01	19.20	1.15	1.21	0.7	<1	0.05	0.9
G075355		8.24	0.01	0.05	0.05	<5	40	0.07	<0.01	18.60	0.11	1.22	0.7	5	0.06	3.8
G075356		5.98	<0.01	0.15	0.06	9	130	0.10	<0.01	19.35	0.10	1.77	0.8	3	<0.05	1.8
G075357		7.07	<0.01	0.01	0.06	<5	210	0.05	0.01	20.1	0.07	1.16	1.1	2	0.13	2.2
G075358		8.95	<0.01	0.05	0.05	5	180	0.09	<0.01	20.3	0.06	1.45	0.8	3	0.06	1.4
G075359		7.17	<0.01	0.07	0.07	8	40	0.09	<0.01	19.20	0.03	2.51	0.9	5	0.07	1.9
G075360		7.09	<0.01	0.08	0.08	5	1230	0.07	<0.01	19.40	0.06	2.24	0.9	6	0.08	1.7
G075361		6.35	0.03	1.15	0.10	1170	400	0.11	0.14	16.05	2.58	6.83	0.9	5	0.18	8.6
G075362		4.73	0.15	29.5	0.09	1940	210	0.08	12.90	10.85	181.0	32.6	0.8	7	0.28	355
G075363		7.31	<0.01	0.01	0.21	<5	60	0.10	0.02	20.9	0.11	1.37	1.4	6	0.54	4.1
G075364		8.90	0.02	44.0	0.07	156	320	0.08	0.99	15.35	74.6	11.55	0.7	6	0.24	141.0
G075365		5.27	0.11	6.20	0.08	2690	430	0.07	1.19	11.30	91.7	5.82	0.8	4	0.22	129.5
G075366		0.27	0.20	>100	3.95	5870	530	0.59	9.88	11.50	312	33.5	19.1	25	4.42	2250
G075367		7.82	0.01	1.74	0.27	332	740	0.14	0.07	17.85	1.88	5.79	1.4	10	0.44	7.3
G075368		7.91	<0.01	3.25	0.16	13	5010	0.09	0.05	16.85	8.56	3.38	1.0	6	0.59	26.2
G075369		5.12	0.01	2.16	0.69	20	1330	0.17	0.20	17.75	0.76	13.30	2.2	18	1.03	18.3
G075370		3.37	<0.01	0.12	0.13	<5	70	0.06	0.01	20.2	0.07	4.37	1.0	5	0.16	3.2
G075371		10.32	<0.01	0.11	0.19	6	150	0.12	0.01	20.5	0.21	4.60	1.6	13	0.17	5.2
G075372		11.07	<0.01	0.04	0.04	7	120	0.15	<0.01	18.30	0.08	0.85	0.8	3	0.05	1.2
G075373		8.22	<0.01	0.34	0.03	22	80	0.14	0.01	18.20	1.76	0.70	0.8	3	0.05	3.4
G075374		2.42	0.07	15.80	0.04	1190	60	0.10	0.03	9.88	571	15.80	0.5	4	0.14	272
G075375		1.01	0.06	16.70	0.04	1090	40	0.08	0.03	10.35	446	8.14	0.5	5	0.15	244



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075340		0.09	0.14	0.08	<0.1	<0.005	0.01	<0.5	1.7	8.48	141	0.41	0.01	0.1	1.0	20
G075341		0.10	0.10	0.08	<0.1	<0.005	0.01	<0.5	1.7	11.00	173	0.37	0.01	0.1	1.1	40
G075342		0.12	0.11	0.10	<0.1	<0.005	0.01	<0.5	1.9	12.10	202	0.38	0.01	0.1	1.0	20
G075343		0.12	0.14	0.09	<0.1	0.005	0.01	0.6	1.8	11.70	239	1.10	0.02	0.1	2.2	10
G075344		0.39	0.41	0.09	0.1	0.007	0.06	2.0	2.8	12.30	241	6.25	0.01	0.8	4.7	130
G075345		0.39	0.40	0.09	0.1	0.009	0.06	2.0	2.7	11.95	234	6.39	0.01	0.8	5.0	130
G075346		6.11	12.50	0.18	3.8	0.068	3.03	39.4	14.3	5.89	164	2.89	0.10	32.5	176.5	2930
G075347		1.01	2.08	0.09	0.5	0.007	0.45	6.3	4.1	10.40	194	1.08	0.02	6.1	24.2	640
G075348		1.01	2.72	0.09	0.7	0.009	0.54	8.3	5.1	10.90	212	1.94	0.03	7.4	31.7	1110
G075349		0.75	2.01	0.09	0.6	0.023	0.49	8.4	4.1	12.05	216	2.72	0.03	6.9	26.3	480
G075350		0.63	0.89	0.08	0.3	0.006	0.24	5.0	2.7	10.90	175	1.12	0.02	3.1	14.8	220
G075351		0.82	2.05	0.08	0.8	0.011	0.59	12.2	3.5	10.10	136	2.10	0.04	6.4	38.0	630
G075352		0.20	0.39	0.09	0.1	<0.005	0.06	1.8	2.7	11.55	158	1.82	0.01	0.8	3.8	510
G075353		0.12	0.27	0.09	<0.1	<0.005	0.03	1.3	1.3	12.40	119	0.31	0.01	0.4	2.6	680
G075354		0.10	0.19	0.13	<0.1	0.029	0.01	1.0	1.5	11.85	188	0.16	0.01	0.2	2.6	290
G075355		0.11	0.27	0.16	<0.1	0.010	0.01	0.8	1.8	11.25	170	0.53	0.01	0.3	2.2	720
G075356		0.08	0.29	0.27	<0.1	<0.005	0.01	1.3	1.4	11.85	131	1.14	0.01	0.4	1.8	490
G075357		0.45	0.33	0.25	<0.1	<0.005	0.02	0.6	1.0	12.25	213	0.19	<0.01	0.3	1.8	170
G075358		0.10	0.32	0.29	<0.1	0.030	0.01	1.0	1.3	12.45	159	0.18	0.01	0.4	2.0	630
G075359		0.28	0.36	0.30	<0.1	<0.005	0.01	1.7	1.7	11.75	153	0.26	0.01	0.4	6.0	810
G075360		0.23	0.42	0.36	<0.1	0.007	0.01	1.6	1.8	11.95	167	0.37	0.01	0.5	5.2	640
G075361		5.12	0.91	0.13	0.1	1.520	0.04	6.3	1.6	9.59	703	0.91	0.01	0.6	5.6	1620
G075362		9.60	7.07	0.23	0.1	72.2	0.03	28.5	1.9	6.20	5390	1.44	<0.01	0.5	6.7	1000
G075363		0.47	0.47	0.10	<0.1	0.027	0.10	0.7	2.2	12.65	209	0.11	0.01	0.3	3.5	200
G075364		1.05	2.96	0.06	<0.1	25.5	0.03	9.3	2.1	9.25	1220	0.53	0.01	0.3	3.5	440
G075365		12.00	4.51	0.24	<0.1	19.40	0.03	4.7	2.5	7.05	1560	1.59	0.01	0.5	5.0	130
G075366		4.68	9.92	0.16	1.0	0.168	1.67	18.5	16.0	0.58	5750	4.72	0.16	4.5	19.1	770
G075367		1.58	1.38	0.07	0.1	0.450	0.11	3.8	3.2	10.95	672	7.51	0.01	1.2	11.7	370
G075368		0.33	0.86	0.11	0.1	2.31	0.04	2.1	4.2	10.25	990	1.36	0.03	0.7	6.1	300
G075369		0.60	2.40	0.11	0.5	0.250	0.15	8.2	4.7	10.45	490	51.1	0.02	3.3	26.6	3620
G075370		0.17	0.57	0.32	0.1	0.068	0.03	2.3	1.9	12.40	313	0.81	0.01	0.7	3.3	870
G075371		0.27	0.74	0.34	0.1	0.011	0.05	2.5	2.1	12.65	171	2.62	0.01	1.2	7.3	80
G075372		0.11	0.36	0.40	<0.1	0.008	0.01	0.6	2.2	11.25	177	2.73	0.01	0.2	3.2	80
G075373		0.25	0.42	0.32	<0.1	0.484	0.01	0.5	1.9	11.20	364	0.82	0.01	0.2	2.8	60
G075374		7.43	14.30	0.16	<0.1	70.4	0.01	15.9	2.2	5.86	1570	0.16	<0.01	0.3	5.2	60
G075375		6.93	12.35	0.16	<0.1	63.0	0.01	8.0	2.1	6.18	1330	0.17	<0.01	0.3	4.6	50



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075340		1.9	0.4	<0.002	0.03	1.05	0.1	1	<0.2	44.8	<0.05	<0.05	<0.2	<0.005	0.04	1.5
G075341		2.3	0.2	<0.002	0.05	0.54	0.1	1	0.3	55.0	<0.05	<0.05	<0.2	<0.005	0.04	1.5
G075342		1.8	0.2	0.002	0.05	0.25	0.1	1	<0.2	58.1	<0.05	<0.05	<0.2	<0.005	0.03	1.3
G075343		2.8	0.4	0.003	0.07	0.27	0.1	1	0.2	59.8	<0.05	<0.05	<0.2	<0.005	0.06	1.2
G075344		3.3	1.6	0.006	0.43	0.93	0.6	1	0.4	70.2	0.05	<0.05	0.2	0.014	0.09	1.7
G075345		3.6	1.6	0.005	0.44	0.92	0.6	1	0.3	69.6	<0.05	<0.05	0.2	0.012	0.10	1.7
G075346		11.0	59.9	0.002	7.80	7.47	20.2	1	1.0	90.6	2.33	<0.05	6.1	0.561	2.82	9.8
G075347		2.6	8.7	0.002	1.30	1.70	3.5	1	0.2	64.4	0.41	<0.05	0.9	0.109	0.43	4.1
G075348		3.0	11.0	0.003	1.31	2.22	3.6	1	0.3	75.1	0.47	<0.05	1.4	0.126	0.53	4.1
G075349		2.7	8.5	0.003	0.95	1.73	2.7	1	0.2	51.8	0.44	<0.05	1.1	0.120	0.31	3.3
G075350		2.1	4.1	0.002	0.78	1.61	2.2	1	0.2	52.7	0.20	<0.05	0.5	0.053	0.17	2.4
G075351		3.4	11.2	0.004	1.16	2.25	4.1	1	0.3	58.3	0.44	<0.05	1.3	0.123	0.37	8.2
G075352		2.3	1.8	0.007	0.25	1.18	0.4	1	<0.2	59.8	<0.05	<0.05	0.3	0.013	0.17	10.0
G075353		2.8	2.6	0.003	0.14	0.94	0.3	1	0.2	74.1	<0.05	<0.05	<0.2	0.008	0.08	13.2
G075354		2.5	0.6	<0.002	0.12	0.96	0.2	1	0.3	85.8	<0.05	<0.05	<0.2	<0.005	0.10	8.7
G075355		4.8	0.9	<0.002	0.07	1.00	0.2	1	0.2	54.7	<0.05	<0.05	<0.2	<0.005	0.09	10.6
G075356		4.8	0.5	0.002	0.07	0.92	0.3	1	0.2	75.5	<0.05	<0.05	<0.2	0.006	0.19	7.1
G075357		0.9	1.2	<0.002	0.02	0.05	0.2	1	<0.2	43.9	<0.05	<0.05	<0.2	<0.005	<0.02	1.6
G075358		4.3	1.4	<0.002	0.10	0.66	0.2	1	0.6	70.3	<0.05	<0.05	<0.2	0.005	0.11	7.4
G075359		3.4	1.0	<0.002	0.34	1.25	0.3	2	0.4	98.0	<0.05	<0.05	<0.2	0.006	0.27	9.5
G075360		5.8	1.1	0.003	0.26	1.45	0.3	1	0.6	106.5	<0.05	<0.05	<0.2	0.006	0.24	8.4
G075361		49.2	3.2	0.028	5.99	7.62	0.5	2	7.0	84.8	<0.05	0.18	<0.2	0.007	0.53	20.0
G075362		5580	2.6	0.049	>10.0	60.7	0.7	8	230	28.8	<0.05	1.79	0.2	0.007	0.67	20.6
G075363		3.1	5.0	<0.002	0.01	0.05	0.4	1	0.2	41.7	<0.05	<0.05	<0.2	0.010	0.02	0.9
G075364		>10000	2.3	0.011	2.14	62.2	0.4	3	61.8	71.6	<0.05	0.14	<0.2	<0.005	0.51	7.2
G075365		240	2.9	0.060	>10.0	28.0	0.3	4	61.2	42.6	<0.05	0.41	<0.2	<0.005	0.84	3.2
G075366		>10000	98.6	0.003	6.81	128.5	4.4	9	3.3	623	0.33	0.42	5.2	0.134	1.32	2.7
G075367		255	6.1	0.040	2.01	5.23	0.7	2	3.2	66.5	0.06	0.18	0.5	0.019	0.58	7.6
G075368		800	4.5	0.009	0.45	8.67	0.5	2	11.5	71.2	<0.05	<0.05	0.3	0.010	0.42	7.8
G075369		439	13.5	0.078	0.74	19.50	1.3	3	9.3	112.0	0.19	0.05	1.2	0.051	0.63	44.1
G075370		7.9	3.5	0.002	0.15	1.31	0.5	1	0.8	75.6	<0.05	<0.05	0.2	0.009	0.12	15.2
G075371		8.1	3.2	0.019	0.31	0.95	0.7	2	0.2	78.0	0.06	<0.05	0.4	0.019	0.13	3.5
G075372		4.9	0.7	0.010	0.12	0.57	0.2	1	<0.2	64.5	<0.05	<0.05	<0.2	<0.005	0.07	3.5
G075373		35.7	0.5	0.005	0.26	0.94	0.1	1	1.1	57.4	<0.05	<0.05	<0.2	<0.005	0.06	3.5
G075374		1200	1.0	<0.002	>10.0	20.1	0.4	12	136.5	30.5	<0.05	0.41	<0.2	<0.005	0.20	2.3
G075375		2550	1.1	<0.002	>10.0	22.3	0.3	9	128.0	31.4	<0.05	0.32	<0.2	<0.005	0.20	2.1



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

To: ATAC RESOURCES LTD.
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 3- JUL- 2011
 Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075340		2	0.1	0.3	110	0.5			
G075341		2	0.1	0.3	144	0.5			
G075342		1	0.1	0.4	262	0.5			
G075343		2	0.3	0.4	235	0.7			
G075344		7	0.4	1.6	159	3.1			
G075345		7	0.4	1.6	156	3.1			
G075346		169	2.0	12.7	151	138.5			
G075347		30	0.2	3.4	64	21.7			
G075348		35	0.6	4.7	75	27.2			
G075349		31	0.3	3.6	134	24.7			
G075350		17	0.2	2.0	120	10.9			
G075351		45	0.4	3.6	87	31.1			
G075352		20	0.2	1.8	53	3.7			
G075353		19	0.1	1.7	44	1.9			
G075354		26	0.1	1.0	294	1.1			
G075355		19	0.2	1.0	80	1.3			
G075356		9	0.3	0.9	125	1.4			
G075357		2	0.1	0.8	17	0.6			
G075358		14	0.1	1.4	107	1.2			
G075359		24	0.2	2.0	140	1.6			
G075360		21	0.3	1.8	268	1.6			
G075361		28	4.9	3.0	1960	2.8			
G075362		29	19.5	3.9	>10000	2.7			4.37
G075363		2	0.1	0.9	30	0.5			
G075364		23	2.2	1.9	>10000	1.4		1.390	1.645
G075365		18	27.8	1.0	>10000	1.4			1.930
G075366		38	4.4	8.7	>10000	24.4	149	4.72	4.82
G075367		41	1.6	2.1	561	4.8			
G075368		27	0.4	2.0	1880	3.1			
G075369		85	1.3	6.6	293	16.6			
G075370		19	0.1	2.7	60	2.8			
G075371		19	0.2	1.5	107	4.7			
G075372		11	0.1	0.7	25	0.8			
G075373		10	0.1	0.5	522	0.7			
G075374		18	4.0	1.9	>10000	1.0			13.45
G075375		17	2.6	1.3	>10000	0.9			10.75



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 3- JUL- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11107515

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 25- AUG- 2011
Account: RCM

CERTIFICATE WH11107515

Project: Rackla Gold (Tiger)

P.O. No.: Batch 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075340		8.56	<0.01	0.02	0.03	<5.0	70	0.08	0.03	14.55	0.02	0.37	0.5	6	<0.05	4.5
G075341		7.99	0.02	0.03	0.02	<5.0	120	0.09	0.01	18.30	0.02	0.49	0.6	5	<0.05	1.9
G075342		10.72	<0.01	0.02	0.02	<5.0	90	0.11	0.03	19.25	0.03	0.50	0.7	6	<0.05	1.1
G075343		9.63	<0.01	0.04	0.03	<5.0	110	0.07	0.03	19.70	0.03	0.77	0.8	5	<0.05	1.1
G075344		0.27	0.09	59.7	5.01	2770	580	0.83	3.75	6.95	123.5	29.5	12.9	47	3.10	1015
G075345		5.93	<0.01	0.07	0.16	6.0	230	0.13	0.11	20.3	0.04	4.02	1.4	5	0.11	2.9
G075346		4.36	0.01	0.17	7.02	22.0	760	0.86	0.01	10.35	0.38	66.1	41.7	191	4.14	68.1
G075347		6.96	<0.01	0.03	1.06	6.0	470	0.22	<0.01	18.10	0.05	11.15	6.5	26	0.51	12.0
G075348		7.02	<0.01	0.03	1.24	9.0	390	0.22	<0.01	18.30	0.07	14.05	7.1	33	1.03	11.2
G075349		6.77	<0.01	0.04	1.13	<5.0	430	0.18	0.01	19.95	0.14	15.75	7.2	33	0.64	10.9
G075350		9.82	<0.01	0.04	0.58	<5.0	210	0.13	<0.01	19.30	0.06	7.66	4.0	15	0.30	7.6
G075351		4.69	<0.01	0.04	1.45	7.0	440	0.25	<0.01	17.80	0.11	20.1	9.2	34	0.87	10.9
G075352		9.67	<0.01	0.03	0.17	<5.0	1430	0.15	<0.01	20.9	0.08	3.29	1.4	5	0.17	2.3
G075353		11.62	<0.01	0.04	0.09	<5.0	740	0.10	<0.01	21.4	0.06	2.09	1.1	3	0.09	1.6
G075354		4.89	<0.01	0.09	0.04	<5.0	340	0.14	<0.01	21.4	1.21	1.20	1.1	1	0.05	1.8
G075355		8.24	0.01	0.05	0.06	9.0	50	0.08	<0.01	20.6	0.03	1.21	1.0	3	0.06	1.5
G075356		5.98	<0.01	0.05	0.07	6.0	140	0.09	<0.01	20.9	0.07	1.66	1.1	1	<0.05	1.5
G075357		7.07	<0.01	<0.01	0.07	<5.0	230	0.08	<0.01	22.1	0.06	1.12	1.4	1	0.13	1.9
G075358		8.95	<0.01	0.04	0.06	<5.0	180	0.10	<0.01	21.1	0.04	1.33	1.0	1	0.05	1.1
G075359		7.17	<0.01	0.05	0.08	<5.0	40	0.12	<0.01	20.4	0.02	2.35	1.1	3	0.06	1.7
G075360		7.09	<0.01	0.06	0.09	<5.0	1290	0.10	<0.01	20.8	0.04	2.19	1.1	4	0.08	1.5
G075361		6.35	0.03	1.04	0.11	1320	210	0.11	0.14	17.40	2.29	6.65	0.9	4	0.16	7.3
G075362		4.73	0.15	29.1	0.10	2310	110	0.15	12.70	12.10	204	29.2	1.1	4	0.30	408
G075363		7.31	<0.01	0.04	0.23	<5.0	60	0.14	0.02	22.7	0.21	1.32	1.7	6	0.58	3.5
G075364		8.90	0.02	42.6	0.08	180.0	210	0.14	1.02	16.50	73.9	10.85	1.1	3	0.25	149.0
G075365		5.27	0.11	6.20	0.08	2690	430	0.07	1.19	11.30	91.7	5.82	0.8	4	0.22	129.5
G075366		0.27	0.20	>100	4.21	6620	420	0.78	9.94	12.10	343	32.9	18.5	24	4.28	2460
G075367		7.82	0.01	1.49	0.28	346	770	0.11	0.08	19.35	1.61	5.61	1.5	7	0.45	9.7
G075368		7.91	<0.01	2.83	0.17	12.0	3270	0.07	0.07	18.50	8.02	3.58	1.0	4	0.63	27.3
G075369		5.12	0.01	1.91	0.73	21.0	870	0.17	0.21	18.70	0.66	13.35	2.4	14	1.05	18.6
G075370		3.37	<0.01	0.08	0.13	<5.0	70	<0.05	0.01	21.3	<0.02	4.29	0.9	2	0.15	3.1
G075371		10.32	<0.01	0.08	0.20	6.0	150	0.06	0.01	20.5	0.11	4.57	1.6	12	0.17	5.2
G075372		11.07	<0.01	0.03	0.04	<5.0	120	0.15	0.01	19.60	<0.02	0.82	0.8	2	0.05	0.5
G075373		8.22	<0.01	0.29	0.03	18.0	90	0.10	0.01	19.50	1.57	0.69	0.8	1	0.05	2.9
G075374		2.42	0.07	15.80	0.04	1190	60	0.10	0.03	9.88	571	15.80	0.5	4	0.14	272
G075375		1.01	0.06	16.70	0.04	1090	40	0.08	0.03	10.35	446	8.14	0.5	5	0.15	244

Comments: **CORRECTED COPY FOR ME- MS61 ON SAMPLES G075340 TO G075364 AND G075366 TO G075373**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075340		0.09	0.18	0.08	<0.1	<0.005	0.01	<0.5	1.7	8.58	151	0.46	0.01	0.1	1.7	10
G075341		0.10	0.15	0.12	<0.1	<0.005	0.01	<0.5	1.7	10.95	183	0.33	0.01	0.2	1.2	40
G075342		0.11	0.14	0.13	<0.1	0.005	<0.01	<0.5	1.8	11.50	203	0.36	0.01	0.2	1.5	20
G075343		0.12	0.17	0.15	<0.1	0.006	0.01	0.5	2.0	11.85	245	1.03	0.02	0.2	2.2	20
G075344		3.87	11.40	0.11	1.4	0.090	1.35	14.6	17.4	0.71	2770	4.91	1.26	4.7	28.1	660
G075345		0.40	0.63	0.16	0.1	0.007	0.06	2.0	3.1	12.10	249	5.82	<0.01	0.9	2.5	130
G075346		6.46	14.35	0.13	4.0	0.069	3.20	34.7	16.4	6.26	179	2.67	0.08	43.4	192.5	3240
G075347		1.04	2.51	<0.05	0.6	0.009	0.46	5.4	5.1	10.70	210	1.03	<0.01	7.2	23.2	670
G075348		1.02	3.03	<0.05	0.7	0.013	0.53	7.0	5.6	10.75	219	1.73	<0.01	8.2	29.4	1140
G075349		0.78	2.37	0.07	0.7	0.024	0.49	8.1	4.4	11.90	229	2.71	0.04	7.3	28.4	490
G075350		0.67	1.16	0.06	0.3	0.007	0.24	3.9	3.4	11.40	192	1.03	<0.01	3.5	12.1	230
G075351		0.88	2.25	<0.05	0.7	0.013	0.63	10.6	3.7	10.55	144	1.85	0.01	7.8	37.1	650
G075352		0.21	0.88	0.34	0.1	<0.005	0.06	1.7	3.5	12.40	179	1.93	<0.01	1.0	0.8	580
G075353		0.12	0.71	0.31	0.1	<0.005	0.03	1.3	1.7	12.80	130	0.29	<0.01	0.6	<0.2	740
G075354		0.11	0.59	0.33	<0.1	0.027	0.01	0.8	1.8	12.90	204	0.14	<0.01	0.3	<0.2	330
G075355		0.12	0.71	0.41	<0.1	<0.005	0.01	0.8	2.3	12.10	182	0.43	<0.01	0.3	<0.2	790
G075356		0.09	0.66	0.38	<0.1	<0.005	0.01	1.1	1.6	12.50	137	0.97	<0.01	0.4	0.2	530
G075357		0.48	0.63	0.30	<0.1	0.005	0.02	0.5	1.1	13.25	228	0.14	<0.01	0.3	0.8	180
G075358		0.09	0.69	0.36	<0.1	0.029	0.01	0.9	1.4	12.65	158	0.12	<0.01	0.4	1.5	680
G075359		0.28	0.66	0.32	0.1	<0.005	0.01	1.5	1.7	12.25	158	0.20	<0.01	0.5	4.1	880
G075360		0.23	0.70	0.36	<0.1	0.007	0.01	1.5	1.8	12.55	174	0.30	<0.01	0.5	3.9	700
G075361		5.45	0.88	<0.05	0.1	1.375	0.04	5.7	1.7	10.15	729	0.72	<0.01	0.6	4.0	1760
G075362		10.60	7.59	0.19	0.1	69.3	0.03	24.4	2.5	6.85	5820	1.45	<0.01	0.5	7.0	1190
G075363		0.51	0.64	0.14	<0.1	0.055	0.10	0.6	2.3	13.50	237	0.11	<0.01	0.3	2.1	220
G075364		1.09	3.07	<0.05	<0.1	23.7	0.03	8.4	2.2	9.67	1240	0.52	<0.01	0.3	3.9	460
G075365		12.00	4.51	0.24	<0.1	19.40	0.03	4.7	2.5	7.05	1560	1.59	0.01	0.5	5.0	130
G075366		4.97	10.10	0.07	0.9	0.157	1.77	16.9	16.9	0.62	6020	4.03	0.15	4.7	18.4	840
G075367		1.65	1.47	0.05	0.1	0.452	0.11	3.5	3.5	11.90	700	7.40	0.01	1.2	13.9	400
G075368		0.35	0.91	0.05	0.1	2.43	0.04	2.1	4.6	11.30	1060	1.40	0.02	0.7	8.0	320
G075369		0.61	2.47	0.06	0.4	0.245	0.15	7.9	5.2	11.05	502	50.8	0.01	3.2	31.2	3720
G075370		0.17	0.51	0.08	0.1	0.053	0.03	2.1	2.0	13.05	322	0.76	0.01	0.6	5.0	890
G075371		0.27	0.73	0.10	0.1	<0.005	0.05	2.4	2.3	12.70	168	2.49	0.01	1.1	8.9	80
G075372		0.11	0.27	0.14	<0.1	<0.005	0.01	0.5	2.3	12.05	185	2.70	0.01	0.2	4.1	90
G075373		0.25	0.41	0.15	<0.1	0.482	0.01	0.5	2.0	12.00	376	0.83	0.01	0.2	3.9	60
G075374		7.43	14.30	0.16	<0.1	70.4	0.01	15.9	2.2	5.86	1570	0.16	<0.01	0.3	5.2	60
G075375		6.93	12.35	0.16	<0.1	63.0	0.01	8.0	2.1	6.18	1330	0.17	<0.01	0.3	4.6	50

Comments: **CORRECTED COPY FOR ME- MS61 ON SAMPLES G075340 TO G075364 AND G075366 TO G075373**



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075340		3.1	0.4	0.002	0.04	1.19	0.2	1	<0.2	42.2	<0.05	<0.05	<0.2	<0.005	0.04	1.5
G075341		2.2	0.2	0.002	0.06	0.61	0.2	1	0.3	51.9	<0.05	<0.05	<0.2	<0.005	0.04	1.6
G075342		2.3	0.2	0.002	0.06	0.28	0.2	1	0.2	52.5	<0.05	<0.05	<0.2	<0.005	0.03	1.3
G075343		2.9	0.3	0.004	0.06	0.27	0.2	1	0.2	59.7	<0.05	<0.05	<0.2	<0.005	0.05	1.2
G075344		>10000	68.8	0.002	2.84	54.8	8.6	4	2.7	446	0.32	0.18	4.4	0.209	0.81	2.0
G075345		5.1	1.6	0.005	0.49	1.28	0.6	2	0.4	73.8	0.05	<0.05	0.2	0.013	0.12	1.7
G075346		11.2	59.3	<0.002	8.65	8.22	20.1	3	1.2	95.9	2.80	<0.05	5.9	0.703	3.08	9.7
G075347		2.5	9.0	0.002	1.43	1.96	3.6	2	0.2	72.2	0.43	<0.05	0.9	0.115	0.49	4.0
G075348		2.8	10.3	0.004	1.42	2.41	3.5	2	0.3	77.2	0.49	<0.05	1.3	0.128	0.62	4.3
G075349		6.1	9.2	0.003	0.99	2.05	3.4	1	0.2	51.1	0.43	<0.05	1.2	0.117	0.37	3.6
G075350		1.7	3.9	0.003	0.88	2.42	2.2	2	0.2	55.0	0.20	<0.05	0.5	0.058	0.19	2.4
G075351		3.1	10.2	0.004	1.19	2.45	3.8	2	0.3	61.7	0.48	<0.05	1.3	0.129	0.38	7.7
G075352		2.4	1.7	0.007	0.29	1.50	0.5	2	0.2	67.4	0.05	<0.05	0.3	0.015	0.18	10.9
G075353		3.3	2.7	0.002	0.16	1.15	0.4	2	0.2	82.7	<0.05	<0.05	<0.2	0.009	0.08	13.6
G075354		4.6	0.5	<0.002	0.13	1.08	0.2	2	0.3	92.6	<0.05	<0.05	<0.2	<0.005	0.11	8.7
G075355		5.4	0.8	<0.002	0.07	0.99	0.3	2	0.2	54.3	<0.05	<0.05	<0.2	<0.005	0.11	9.8
G075356		4.8	0.5	0.002	0.07	0.81	0.3	2	0.2	73.9	<0.05	<0.05	<0.2	0.007	0.19	6.2
G075357		1.0	1.2	<0.002	0.02	<0.05	0.3	1	<0.2	45.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
G075358		4.8	1.2	0.002	0.11	0.58	0.3	2	0.5	64.9	<0.05	<0.05	<0.2	0.005	0.10	6.4
G075359		3.9	0.8	0.002	0.38	1.09	0.3	2	0.3	92.8	<0.05	<0.05	<0.2	0.007	0.28	9.1
G075360		6.1	1.0	0.003	0.30	1.37	0.3	2	0.6	107.0	<0.05	<0.05	<0.2	0.007	0.24	7.6
G075361		53.8	2.6	0.028	6.76	6.97	0.5	2	5.4	80.2	<0.05	0.15	<0.2	0.008	0.56	19.4
G075362		6380	2.4	0.050	>10.0	59.5	1.2	9	191.0	27.8	<0.05	1.77	0.2	0.008	0.66	19.0
G075363		6.1	4.5	<0.002	0.03	0.11	0.4	1	0.2	40.3	<0.05	<0.05	<0.2	0.010	0.04	0.7
G075364		>10000	2.2	0.011	2.33	62.3	0.6	3	48.4	72.5	<0.05	0.15	<0.2	0.005	0.52	6.6
G075365		240	2.9	0.060	>10.0	28.0	0.3	4	61.2	42.6	<0.05	0.41	<0.2	<0.005	0.84	3.2
G075366		>10000	99.0	0.003	7.59	137.0	4.3	11	3.2	646	0.32	0.37	4.6	0.142	1.38	2.2
G075367		211	5.6	0.039	2.14	5.34	0.8	2	3.3	63.6	0.06	0.18	0.5	0.020	0.52	6.8
G075368		863	4.2	0.009	0.42	9.27	0.6	1	14.2	71.9	<0.05	<0.05	0.3	0.010	0.37	6.8
G075369		457	12.2	0.073	0.75	19.95	1.5	3	8.6	111.0	0.17	<0.05	1.3	0.052	0.52	38.0
G075370		6.6	3.1	0.003	0.16	1.16	0.6	1	0.3	73.3	<0.05	<0.05	0.2	0.009	0.10	13.2
G075371		6.2	2.8	0.017	0.30	0.89	0.8	1	0.2	74.2	0.06	<0.05	0.4	0.019	0.11	3.1
G075372		4.1	0.7	0.010	0.13	0.42	0.2	1	<0.2	64.9	<0.05	<0.05	<0.2	<0.005	0.06	3.2
G075373		36.3	0.5	0.005	0.27	0.79	0.2	1	1.1	58.8	<0.05	<0.05	<0.2	<0.005	0.05	3.2
G075374		1200	1.0	<0.002	>10.0	20.1	0.4	12	136.5	30.5	<0.05	0.41	<0.2	<0.005	0.20	2.3
G075375		2550	1.1	<0.002	>10.0	22.3	0.3	9	128.0	31.4	<0.05	0.32	<0.2	<0.005	0.20	2.1

Comments: **CORRECTED COPY FOR ME- MS61 ON SAMPLES G075340 TO G075364 AND G075366 TO G075373**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107515

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075340		4	0.1	0.3	114	0.6			
G075341		5	0.1	0.4	153	0.5			
G075342		4	0.1	0.4	264	0.5			
G075343		2	0.3	0.4	232	0.7			
G075344		62	9.6	14.0	>10000	44.6		1.935	2.00
G075345		10	0.4	1.6	160	3.0			
G075346		192	2.0	12.4	157	136.5			
G075347		34	0.3	3.4	64	20.7			
G075348		39	0.6	4.4	77	23.9			
G075349		32	0.3	4.2	139	28.7			
G075350		22	0.2	1.9	126	10.4			
G075351		46	0.4	3.5	86	25.9			
G075352		26	0.2	1.9	56	4.2			
G075353		23	0.1	1.7	43	1.8			
G075354		30	0.1	1.0	319	1.2			
G075355		21	0.2	1.0	62	1.2			
G075356		10	0.2	0.8	129	1.5			
G075357		3	0.1	0.7	12	0.8			
G075358		16	0.1	1.3	107	1.1			
G075359		26	0.2	1.8	144	2.0			
G075360		23	0.3	1.7	287	1.4			
G075361		30	5.0	2.7	2180	2.5			
G075362		33	18.6	4.1	>10000	3.0			4.37
G075363		6	0.2	0.7	63	<0.5			
G075364		25	1.9	1.9	>10000	1.5		1.390	1.645
G075365		18	27.8	1.0	>10000	1.4			1.930
G075366		43	4.3	8.1	>10000	21.2	149	4.72	4.82
G075367		44	1.5	2.2	555	4.8			
G075368		30	0.4	2.2	2020	3.1			
G075369		88	1.2	6.9	295	17.2			
G075370		20	0.1	2.7	58	2.9			
G075371		19	0.2	1.6	106	4.5			
G075372		12	<0.1	0.8	24	0.9			
G075373		11	0.1	0.6	549	0.8			
G075374		18	4.0	1.9	>10000	1.0			13.45
G075375		17	2.6	1.3	>10000	0.9			10.75

Comments: **CORRECTED COPY FOR ME- MS61 ON SAMPLES G075340 TO G075364 AND G075366 TO G075373**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25- AUG- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11107515

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 6- JUL- 2011
Account: RCM

CERTIFICATE WH11107516

Project: Rackla Gold (Tiger)

P.O. No.: Batch 10

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn- VOL50	Zn by titration	
Pb- VOL70	Pb by Titration	

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 6- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075376		6.57	0.01	0.75	0.04	37	60	0.13	0.03	17.60	0.75	1.88	0.8	7	0.09	4.8
G075377		10.13	<0.01	0.14	0.03	33	60	0.12	0.01	17.75	0.11	0.86	0.8	9	<0.05	2.2
G075378		7.68	0.02	0.96	0.04	602	100	0.11	0.02	15.35	42.1	1.07	0.8	7	0.07	13.3
G075379		3.08	0.12	21.2	0.02	4520	40	<0.05	0.30	0.24	>1000	2.97	0.3	2	0.05	188.5
G075380		5.15	0.04	3.23	0.03	2860	80	0.05	0.09	4.99	75.8	10.85	0.3	11	0.05	14.0
G075381		3.59	0.09	7.82	0.01	3800	40	<0.05	2.60	0.29	758	0.29	0.3	8	<0.05	131.0
G075382		2.37	0.04	3.00	0.02	1910	90	0.06	0.06	4.78	266	0.33	0.3	9	<0.05	40.7
G075383		4.07	0.30	59.2	0.01	8120	110	<0.05	0.72	0.35	240	22.6	0.3	3	0.05	55.1
G075384		5.67	0.12	>100	0.03	4840	100	<0.05	13.65	0.57	266	13.45	0.5	18	0.10	867
G075385		3.85	0.50	>100	0.04	3200	70	0.05	23.0	0.01	>1000	317	0.6	8	0.16	1120
G075386		14.52	0.19	33.8	0.01	772	80	<0.05	3.68	0.04	>1000	>500	0.1	<1	0.05	731
G075387		6.94	<0.01	0.27	0.05	8	20	<0.05	0.05	19.35	6.75	4.54	1.1	1	0.11	6.4
G075388		8.82	<0.01	0.25	0.03	41	110	0.07	0.02	15.90	8.81	4.49	0.8	3	0.06	5.3
G075389		2.61	0.04	46.8	0.04	308	130	0.09	2.92	15.40	117.0	18.75	0.9	2	0.13	183.5
G075390		7.58	0.07	>100	0.04	753	30	<0.05	1.75	3.64	965	3.30	0.3	3	0.14	329
G075391		5.70	0.01	2.13	0.03	34	120	0.08	0.63	20.0	10.45	3.13	0.2	2	0.10	10.7
G075392		6.45	0.01	0.49	0.02	73	100	0.12	0.22	18.15	1.46	1.55	0.7	2	<0.05	2.6
G075393		1.51	0.11	9.69	0.19	1300	120	0.13	2.41	5.83	130.5	2.80	1.0	8	0.96	183.0
G075394		7.28	0.04	2.26	0.03	450	100	0.08	1.65	15.40	11.50	1.45	0.8	4	0.08	23.2
G075395		7.15	0.25	49.4	0.08	5280	100	<0.05	58.3	0.41	287	42.4	0.5	9	0.11	869
G075396		3.27	0.13	55.1	0.06	3340	140	<0.05	59.7	0.12	74.5	6.63	0.4	8	0.10	648
G075397		3.25	0.11	>100	0.10	1770	20	0.10	73.3	2.57	472	0.41	0.4	6	0.23	1600
G075398		6.37	<0.01	0.31	0.13	46	140	0.09	0.13	21.3	0.64	2.77	0.3	8	0.12	6.4
G075399		7.09	<0.01	0.33	0.07	9	60	0.07	0.14	22.5	0.82	1.77	1.4	1	0.16	5.2
G075400		9.32	<0.01	0.41	0.07	8	140	0.08	0.03	19.30	1.10	1.78	0.9	5	0.07	2.2
G075401		0.06	0.48	>100	4.59	8750	160	0.81	0.23	2.06	266	36.8	13.0	43	7.38	949
G075402		11.60	<0.01	0.54	0.22	18	330	0.17	0.05	18.15	0.55	4.70	1.1	7	0.13	4.6
G075403		3.31	0.03	10.40	0.19	2930	80	0.07	0.24	9.88	6.07	48.6	1.0	5	0.23	19.0
G075404		1.73	<0.01	0.18	0.11	10	160	0.10	0.02	18.65	0.25	2.93	1.4	3	0.12	4.5
G075405		3.73	<0.01	0.19	0.15	15	230	0.12	0.02	20.7	0.32	3.03	1.5	3	0.14	6.5
G075406		5.10	<0.01	0.10	0.10	7	130	0.10	0.04	20.1	0.29	3.02	1.0	3	0.12	2.7
G075407		11.14	<0.01	0.12	0.37	9	90	0.13	0.02	19.65	0.44	10.10	1.9	9	0.10	4.7
G075408		12.15	<0.01	0.06	0.13	10	110	0.16	0.01	18.45	0.17	2.95	1.1	5	0.07	2.3
G075409		11.81	<0.01	0.04	0.06	5	50	0.13	0.01	18.25	0.15	1.34	0.9	4	0.05	1.5
G075410		0.20	0.08	1.35	0.02	1490	90	0.08	0.07	14.60	1.15	6.97	0.6	6	0.24	4.1
G075411		9.66	0.21	>100	3.80	5790	350	0.75	9.09	11.65	304	36.7	17.1	24	4.24	2190



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 6- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075376		0.44	0.46	0.06	<0.1	0.337	0.01	1.3	1.6	10.40	581	0.37	0.01	0.2	7.3	320
G075377		0.26	0.26	0.11	<0.1	0.035	0.01	0.6	1.9	10.45	256	0.50	0.01	0.2	7.5	60
G075378		2.92	1.87	0.08	<0.1	3.03	0.01	0.7	2.4	9.01	436	10.75	0.01	0.3	5.8	70
G075379		22.3	19.35	0.33	<0.1	43.0	0.01	2.7	0.7	0.11	280	5.14	<0.01	0.4	3.2	20
G075380		11.95	1.66	0.21	<0.1	2.52	0.01	10.0	1.1	2.84	485	0.86	<0.01	0.3	3.4	30
G075381		20.4	17.40	0.32	<0.1	33.8	0.01	<0.5	1.1	0.14	151	0.23	<0.01	0.4	2.8	10
G075382		8.17	4.72	0.15	<0.1	10.55	0.01	<0.5	1.4	2.72	382	0.36	<0.01	0.2	1.4	10
G075383		34.5	4.73	0.47	<0.1	10.40	<0.01	21.9	0.6	0.16	295	0.39	<0.01	0.6	2.4	10
G075384		19.35	7.01	0.28	<0.1	29.1	0.01	12.0	2.4	0.27	463	0.49	<0.01	0.3	3.9	10
G075385		13.00	23.3	0.26	<0.1	223	<0.01	261	3.5	0.01	178	0.26	<0.01	0.2	5.3	140
G075386		4.38	48.0	0.27	<0.1	223	<0.01	690	0.5	0.02	321	0.11	<0.01	0.1	1.0	400
G075387		0.45	0.37	<0.05	<0.1	0.932	0.02	3.8	1.1	11.40	197	0.15	<0.01	0.3	1.9	170
G075388		0.88	0.54	<0.05	<0.1	1.095	0.01	3.8	2.9	9.39	369	0.93	0.01	0.2	3.4	100
G075389		1.55	2.50	0.05	<0.1	18.35	0.01	16.3	2.6	9.06	345	0.38	<0.01	0.2	4.5	400
G075390		3.80	22.4	0.07	<0.1	102.5	0.01	2.7	1.4	2.02	501	0.40	<0.01	0.1	3.8	200
G075391		0.45	0.37	0.08	<0.1	1.230	0.01	2.0	2.6	11.95	921	0.38	0.01	0.1	5.3	240
G075392		0.48	0.25	0.06	<0.1	0.247	0.01	1.1	2.0	10.80	481	0.19	0.01	0.3	7.6	210
G075393		8.61	9.48	0.15	<0.1	34.5	0.08	1.4	5.2	3.30	595	0.55	<0.01	0.3	13.0	640
G075394		3.03	0.53	0.07	<0.1	6.42	0.01	1.0	4.5	8.98	510	0.35	0.01	0.2	4.5	40
G075395		31.0	11.10	0.47	<0.1	77.3	0.04	40.5	1.9	0.08	91	0.69	<0.01	0.7	6.1	1180
G075396		36.3	3.86	0.53	<0.1	45.2	0.03	5.6	2.1	0.05	10	0.73	<0.01	0.7	5.0	130
G075397		14.85	14.10	0.26	<0.1	315	0.04	<0.5	5.2	1.41	117	0.65	<0.01	0.4	4.3	70
G075398		0.49	0.47	0.08	0.1	0.323	0.04	1.4	3.6	12.65	310	0.80	0.01	0.8	3.9	620
G075399		0.51	0.32	0.07	<0.1	0.341	0.03	0.9	1.3	13.30	228	0.07	0.01	0.4	2.7	220
G075400		0.15	0.36	0.09	<0.1	0.153	0.03	1.1	3.5	11.35	200	0.20	0.01	0.5	3.6	920
G075401		11.85	13.60	0.33	1.2	0.682	2.55	17.3	25.9	0.34	2070	10.05	0.03	6.1	23.8	390
G075402		0.25	0.79	0.05	0.1	0.117	0.10	2.4	2.4	10.75	166	0.98	0.01	1.0	7.2	600
G075403		20.1	2.99	0.38	0.1	0.637	0.08	52.7	1.7	5.90	596	1.93	0.01	1.2	8.3	290
G075404		0.20	0.48	0.05	<0.1	0.063	0.05	1.6	2.6	11.00	265	0.64	0.01	0.6	7.1	130
G075405		0.26	0.62	0.10	0.1	0.053	0.07	1.7	2.8	12.25	299	1.01	0.01	0.7	11.6	130
G075406		0.15	0.38	0.08	<0.1	0.062	0.04	1.9	2.2	11.95	204	0.27	0.01	0.5	4.4	610
G075407		0.52	1.18	0.08	0.2	0.026	0.02	7.2	4.7	11.20	132	7.97	0.01	1.7	14.0	5670
G075408		0.25	0.52	0.11	0.1	0.029	0.03	1.7	2.8	10.95	139	1.46	0.01	0.5	7.6	500
G075409		0.20	0.29	0.13	<0.1	0.015	0.01	0.7	2.2	10.85	163	0.41	0.01	0.3	4.1	60
G075410		5.66	0.34	0.12	<0.1	0.321	0.01	5.5	1.3	8.57	752	0.46	0.01	0.3	2.7	40
G075411		4.74	10.05	0.12	0.7	0.166	1.62	19.4	17.1	0.57	5500	4.43	0.16	4.2	17.5	740



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 6- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075376		166.0	0.9	0.005	0.35	1.91	0.2	1	3.2	54.5	<0.05	0.06	<0.2	<0.005	0.10	4.2
G075377		10.2	0.4	0.005	0.20	0.81	0.1	2	0.5	54.0	<0.05	<0.05	<0.2	<0.005	0.04	2.9
G075378		23.3	0.6	0.027	4.07	4.45	0.1	2	6.1	48.9	<0.05	0.05	<0.2	<0.005	0.29	2.3
G075379		3320	0.8	0.014	>10.0	28.8	<0.1	17	103.5	1.1	<0.05	1.21	<0.2	<0.005	0.70	1.1
G075380		172.0	0.6	0.005	>10.0	7.50	0.1	3	7.0	18.3	<0.05	0.29	<0.2	<0.005	0.13	0.8
G075381		153.0	0.3	0.007	>10.0	15.65	<0.1	12	65.9	1.7	<0.05	0.66	<0.2	<0.005	0.24	0.8
G075382		45.8	0.3	0.003	>10.0	6.28	0.1	5	22.7	17.0	<0.05	0.12	<0.2	<0.005	0.07	0.6
G075383		>10000	0.2	0.015	>10.0	74.1	<0.1	6	50.2	4.1	<0.05	1.46	<0.2	<0.005	0.69	1.4
G075384		5710	0.6	0.009	>10.0	637	<0.1	9	294	4.9	<0.05	0.94	<0.2	<0.005	2.58	15.3
G075385		>10000	0.5	0.007	>10.0	764	<0.1	26	>500	11.4	<0.05	3.17	0.4	<0.005	3.35	19.3
G075386		6620	0.2	0.003	>10.0	86.1	<0.1	32	470	2.0	<0.05	0.85	0.9	<0.005	1.28	4.1
G075387		64.0	1.0	<0.002	0.11	1.60	0.2	1	3.2	37.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6
G075388		34.6	0.4	0.006	0.48	25.9	0.2	2	3.4	30.9	<0.05	<0.05	<0.2	<0.005	0.20	3.5
G075389		>10000	0.6	0.024	3.45	146.5	0.1	3	73.6	31.1	<0.05	0.10	<0.2	<0.005	0.61	42.6
G075390		>10000	1.1	0.012	>10.0	580	<0.1	14	439	16.0	<0.05	0.77	<0.2	<0.005	2.74	2.7
G075391		525	0.5	0.004	0.35	6.37	0.1	1	7.4	99.2	<0.05	0.07	<0.2	<0.005	0.17	8.3
G075392		104.0	0.4	<0.002	0.43	1.53	0.1	1	1.8	82.4	<0.05	<0.05	<0.2	<0.005	0.07	4.1
G075393		1915	9.0	0.021	>10.0	92.9	0.3	4	83.1	28.3	<0.05	0.31	<0.2	<0.005	1.40	7.6
G075394		949	0.4	0.015	3.57	43.2	0.1	2	23.2	43.3	<0.05	0.14	<0.2	<0.005	1.17	5.5
G075395		>10000	2.3	0.029	>10.0	400	<0.1	15	330	2.9	<0.05	1.36	0.2	0.006	0.92	9.2
G075396		>10000	2.1	0.022	>10.0	456	<0.1	15	175.5	1.9	<0.05	1.33	<0.2	<0.005	1.14	2.5
G075397		>10000	2.5	0.011	>10.0	636	<0.1	31	>500	7.5	<0.05	1.26	<0.2	0.006	2.05	2.6
G075398		45.2	2.0	0.007	0.35	2.25	0.6	1	2.0	72.0	<0.05	<0.05	0.3	0.016	0.18	8.2
G075399		110.5	1.3	<0.002	0.04	1.27	0.2	1	1.6	44.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G075400		83.4	1.4	0.002	0.11	1.45	0.3	1	1.1	55.1	<0.05	<0.05	<0.2	0.007	0.12	8.9
G075401		>10000	223	0.021	>10.0	220	7.1	39	23.3	133.5	0.42	<0.05	6.0	0.229	4.38	5.1
G075402		42.9	3.6	0.006	0.26	2.00	0.6	2	1.4	61.3	0.05	<0.05	0.4	0.014	0.19	8.0
G075403		726	5.2	0.040	>10.0	14.90	0.4	6	11.0	33.5	<0.05	3.18	0.7	0.012	0.33	4.7
G075404		20.0	1.9	0.008	0.18	0.79	0.5	1	1.4	49.5	<0.05	<0.05	<0.2	0.007	0.09	4.0
G075405		13.5	2.5	0.012	0.26	0.94	0.5	2	2.3	55.4	<0.05	<0.05	0.3	0.010	0.12	3.4
G075406		17.3	2.0	<0.002	0.11	0.94	0.4	1	0.5	65.6	<0.05	<0.05	0.2	0.007	0.08	10.8
G075407		16.6	1.0	0.024	0.59	3.10	0.9	2	0.8	88.1	0.09	<0.05	0.7	0.028	0.19	50.1
G075408		11.0	1.1	0.003	0.33	1.07	0.4	2	0.2	65.4	<0.05	<0.05	0.2	0.008	0.09	11.3
G075409		9.1	0.6	0.002	0.19	0.64	0.2	1	<0.2	61.2	<0.05	<0.05	<0.2	0.005	0.06	3.2
G075410		58.9	0.7	0.003	6.97	4.46	0.1	1	3.5	40.4	<0.05	0.22	<0.2	<0.005	0.10	2.2
G075411		>10000	101.5	0.003	6.46	124.5	4.3	8	3.7	589	0.28	0.37	5.5	0.131	1.30	2.6



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 6- JUL- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01	Pb- VOL70 Pb % 0.01
G075376		20	0.2	1.6	704	1.1					
G075377		14	0.2	0.6	277	0.6					
G075378		11	6.2	0.8	9990	0.8					
G075379		9	197.5	0.6	>10000	0.5			26.2		
G075380		8	15.7	1.5	>10000	0.6			1.955		
G075381		2	60.9	0.1	>10000	<0.5			20.0		
G075382		4	9.0	0.3	>10000	<0.5			6.37		
G075383		11	530	1.2	>10000	<0.5		1.715	5.86		
G075384		7	117.0	1.1	>10000	0.8	114		6.02		
G075385		<1	5.1	2.5	>10000	0.5	117	3.74	25.9		
G075386		<1	0.5	6.5	>10000	<0.5			>30.0	56.87	
G075387		2	0.2	0.8	1490	<0.5					
G075388		10	0.3	0.9	3190	1.4					
G075389		12	0.5	1.4	>10000	3.3		1.810	2.92		
G075390		14	1.9	0.8	>10000	0.7	639	>20.0	25.3		19.92
G075391		36	0.4	1.4	2910	0.6					
G075392		37	0.3	0.9	443	0.6					
G075393		61	1.1	1.6	>10000	2.0			3.57		
G075394		10	1.0	0.8	3320	<0.5					
G075395		17	11.6	2.8	>10000	1.7		1.130	7.46		
G075396		19	13.1	0.4	>10000	1.0		1.285	1.840		
G075397		14	5.3	0.3	>10000	1.5	236	9.08	12.55		
G075398		25	0.4	1.6	760	3.7					
G075399		2	0.1	0.9	213	<0.5					
G075400		18	0.1	1.2	382	1.6					
G075401		76	4.7	9.8	>10000	41.2	718	1.940	2.67		
G075402		36	0.2	1.5	199	4.7					
G075403		32	9.5	2.1	1410	3.7					
G075404		30	0.1	1.3	135	1.6					
G075405		29	0.1	1.3	124	2.6					
G075406		20	0.1	1.9	212	2.3					
G075407		50	0.2	11.3	158	9.7					
G075408		33	0.1	2.2	90	2.9					
G075409		14	0.1	0.8	215	1.8					
G075410		10	1.2	1.7	423	<0.5					
G075411		38	3.3	9.5	>10000	23.0	157	5.06	4.84		



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 6- JUL- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11107516

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 26- AUG- 2011
Account: RCM

CERTIFICATE WH11107516

Project: Rackla Gold (Tiger)

P.O. No.: Batch 10

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn- VOL50	Zn by titration	
Pb- VOL70	Pb by Titration	

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075376		6.57	0.01	0.75	0.04	37	60	0.13	0.03	17.60	0.75	1.88	0.8	7	0.09	4.8
G075377		10.13	<0.01	0.14	0.03	33	60	0.12	0.01	17.75	0.11	0.86	0.8	9	<0.05	2.2
G075378		7.68	0.02	0.96	0.04	602	100	0.11	0.02	15.35	42.1	1.07	0.8	7	0.07	13.3
G075379		3.08	0.12	21.2	0.02	4520	40	<0.05	0.30	0.24	>1000	2.97	0.3	2	0.05	188.5
G075380		5.15	0.04	3.23	0.03	2860	80	0.05	0.09	4.99	75.8	10.85	0.3	11	0.05	14.0
G075381		3.59	0.09	7.82	0.01	3800	40	<0.05	2.60	0.29	758	0.29	0.3	8	<0.05	131.0
G075382		2.37	0.04	3.00	0.02	1910	90	0.06	0.06	4.78	266	0.33	0.3	9	<0.05	40.7
G075383		4.07	0.30	59.2	0.01	8120	110	<0.05	0.72	0.35	240	22.6	0.3	3	0.05	55.1
G075384		5.67	0.12	>100	0.03	4840	100	<0.05	13.65	0.57	266	13.45	0.5	18	0.10	867
G075385		3.85	0.50	>100	0.04	3200	70	0.05	23.0	0.01	>1000	317	0.6	8	0.16	1120
G075386		14.52	0.19	33.8	0.01	772	80	<0.05	3.68	0.04	>1000	>500	0.1	<1	0.05	731
G075387		6.94	<0.01	0.27	0.05	8	20	<0.05	0.05	19.35	6.75	4.54	1.1	1	0.11	6.4
G075388		8.82	<0.01	0.25	0.03	41	110	0.07	0.02	15.90	8.81	4.49	0.8	3	0.06	5.3
G075389		2.61	0.04	46.8	0.04	308	130	0.09	2.92	15.40	117.0	18.75	0.9	2	0.13	183.5
G075390		7.58	0.07	>100	0.04	753	30	<0.05	1.75	3.64	965	3.30	0.3	3	0.14	329
G075391		5.70	0.01	2.13	0.03	34	120	0.08	0.63	20.0	10.45	3.13	0.2	2	0.10	10.7
G075392		6.45	0.01	0.49	0.02	73	100	0.12	0.22	18.15	1.46	1.55	0.7	2	<0.05	2.6
G075393		1.51	0.11	9.69	0.19	1300	120	0.13	2.41	5.83	130.5	2.80	1.0	8	0.96	183.0
G075394		7.28	0.04	2.26	0.03	450	100	0.08	1.65	15.40	11.50	1.45	0.8	4	0.08	23.2
G075395		7.15	0.25	49.4	0.08	5280	100	<0.05	58.3	0.41	287	42.4	0.5	9	0.11	869
G075396		3.27	0.13	55.1	0.06	3340	140	<0.05	59.7	0.12	74.5	6.63	0.4	8	0.10	648
G075397		3.25	0.11	>100	0.10	1770	20	0.10	73.3	2.57	472	0.41	0.4	6	0.23	1600
G075398		6.37	<0.01	0.31	0.13	46	140	0.09	0.13	21.3	0.64	2.77	0.3	8	0.12	6.4
G075399		7.09	<0.01	0.33	0.07	9	60	0.07	0.14	22.5	0.82	1.77	1.4	1	0.16	5.2
G075400		9.32	<0.01	0.41	0.07	8	140	0.08	0.03	19.30	1.10	1.78	0.9	5	0.07	2.2
G075401		0.06	0.48	>100	4.59	8750	160	0.81	0.23	2.06	266	36.8	13.0	43	7.38	949
G075402		11.60	<0.01	0.54	0.22	18	330	0.17	0.05	18.15	0.55	4.70	1.1	7	0.13	4.6
G075403		3.31	0.03	10.40	0.19	2930	80	0.07	0.24	9.88	6.07	48.6	1.0	5	0.23	19.0
G075404		1.73	<0.01	0.18	0.11	10	160	0.10	0.02	18.65	0.25	2.93	1.4	3	0.12	4.5
G075405		3.73	<0.01	0.19	0.15	15	230	0.12	0.02	20.7	0.32	3.03	1.5	3	0.14	6.5
G075406		5.10	<0.01	0.10	0.10	7	130	0.10	0.04	20.1	0.29	3.02	1.0	3	0.12	2.7
G075407		11.14	<0.01	0.12	0.37	9	90	0.13	0.02	19.65	0.44	10.10	1.9	9	0.10	4.7
G075408		12.15	<0.01	0.06	0.13	10	110	0.16	0.01	18.45	0.17	2.95	1.1	5	0.07	2.3
G075409		11.81	<0.01	0.04	0.06	5	50	0.13	0.01	18.25	0.15	1.34	0.9	4	0.05	1.5
G075410		0.20	0.21	>100	3.80	5790	350	0.75	9.09	11.65	304	36.7	17.1	24	4.24	2190
G075411		9.66	0.08	1.35	0.02	1490	90	0.08	0.07	14.60	1.15	6.97	0.6	6	0.24	4.1

Comments: **Corrected certificate for samples G075410 & G075411**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075376		0.44	0.46	0.06	<0.1	0.337	0.01	1.3	1.6	10.40	581	0.37	0.01	0.2	7.3	320
G075377		0.26	0.26	0.11	<0.1	0.035	0.01	0.6	1.9	10.45	256	0.50	0.01	0.2	7.5	60
G075378		2.92	1.87	0.08	<0.1	3.03	0.01	0.7	2.4	9.01	436	10.75	0.01	0.3	5.8	70
G075379		22.3	19.35	0.33	<0.1	43.0	0.01	2.7	0.7	0.11	280	5.14	<0.01	0.4	3.2	20
G075380		11.95	1.66	0.21	<0.1	2.52	0.01	10.0	1.1	2.84	485	0.86	<0.01	0.3	3.4	30
G075381		20.4	17.40	0.32	<0.1	33.8	0.01	<0.5	1.1	0.14	151	0.23	<0.01	0.4	2.8	10
G075382		8.17	4.72	0.15	<0.1	10.55	0.01	<0.5	1.4	2.72	382	0.36	<0.01	0.2	1.4	10
G075383		34.5	4.73	0.47	<0.1	10.40	<0.01	21.9	0.6	0.16	295	0.39	<0.01	0.6	2.4	10
G075384		19.35	7.01	0.28	<0.1	29.1	0.01	12.0	2.4	0.27	463	0.49	<0.01	0.3	3.9	10
G075385		13.00	23.3	0.26	<0.1	223	<0.01	261	3.5	0.01	178	0.26	<0.01	0.2	5.3	140
G075386		4.38	48.0	0.27	<0.1	223	<0.01	690	0.5	0.02	321	0.11	<0.01	0.1	1.0	400
G075387		0.45	0.37	<0.05	<0.1	0.932	0.02	3.8	1.1	11.40	197	0.15	<0.01	0.3	1.9	170
G075388		0.88	0.54	<0.05	<0.1	1.095	0.01	3.8	2.9	9.39	369	0.93	0.01	0.2	3.4	100
G075389		1.55	2.50	0.05	<0.1	18.35	0.01	16.3	2.6	9.06	345	0.38	<0.01	0.2	4.5	400
G075390		3.80	22.4	0.07	<0.1	102.5	0.01	2.7	1.4	2.02	501	0.40	<0.01	0.1	3.8	200
G075391		0.45	0.37	0.08	<0.1	1.230	0.01	2.0	2.6	11.95	921	0.38	0.01	0.1	5.3	240
G075392		0.48	0.25	0.06	<0.1	0.247	0.01	1.1	2.0	10.80	481	0.19	0.01	0.3	7.6	210
G075393		8.61	9.48	0.15	<0.1	34.5	0.08	1.4	5.2	3.30	595	0.55	<0.01	0.3	13.0	640
G075394		3.03	0.53	0.07	<0.1	6.42	0.01	1.0	4.5	8.98	510	0.35	0.01	0.2	4.5	40
G075395		31.0	11.10	0.47	<0.1	77.3	0.04	40.5	1.9	0.08	91	0.69	<0.01	0.7	6.1	1180
G075396		36.3	3.86	0.53	<0.1	45.2	0.03	5.6	2.1	0.05	10	0.73	<0.01	0.7	5.0	130
G075397		14.85	14.10	0.26	<0.1	315	0.04	<0.5	5.2	1.41	117	0.65	<0.01	0.4	4.3	70
G075398		0.49	0.47	0.08	0.1	0.323	0.04	1.4	3.6	12.65	310	0.80	0.01	0.8	3.9	620
G075399		0.51	0.32	0.07	<0.1	0.341	0.03	0.9	1.3	13.30	228	0.07	0.01	0.4	2.7	220
G075400		0.15	0.36	0.09	<0.1	0.153	0.03	1.1	3.5	11.35	200	0.20	0.01	0.5	3.6	920
G075401		11.85	13.60	0.33	1.2	0.682	2.55	17.3	25.9	0.34	2070	10.05	0.03	6.1	23.8	390
G075402		0.25	0.79	0.05	0.1	0.117	0.10	2.4	2.4	10.75	166	0.98	0.01	1.0	7.2	600
G075403		20.1	2.99	0.38	0.1	0.637	0.08	52.7	1.7	5.90	596	1.93	0.01	1.2	8.3	290
G075404		0.20	0.48	0.05	<0.1	0.063	0.05	1.6	2.6	11.00	265	0.64	0.01	0.6	7.1	130
G075405		0.26	0.62	0.10	0.1	0.053	0.07	1.7	2.8	12.25	299	1.01	0.01	0.7	11.6	130
G075406		0.15	0.38	0.08	<0.1	0.062	0.04	1.9	2.2	11.95	204	0.27	0.01	0.5	4.4	610
G075407		0.52	1.18	0.08	0.2	0.026	0.02	7.2	4.7	11.20	132	7.97	0.01	1.7	14.0	5670
G075408		0.25	0.52	0.11	0.1	0.029	0.03	1.7	2.8	10.95	139	1.46	0.01	0.5	7.6	500
G075409		0.20	0.29	0.13	<0.1	0.015	0.01	0.7	2.2	10.85	163	0.41	0.01	0.3	4.1	60
G075410		4.74	10.05	0.12	0.7	0.166	1.62	19.4	17.1	0.57	5500	4.43	0.16	4.2	17.5	740
G075411		5.66	0.34	0.12	<0.1	0.321	0.01	5.5	1.3	8.57	752	0.46	0.01	0.3	2.7	40

Comments: **Corrected certificate for samples G075410 & G075411**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075376		166.0	0.9	0.005	0.35	1.91	0.2	1	3.2	54.5	<0.05	0.06	<0.2	<0.005	0.10	4.2
G075377		10.2	0.4	0.005	0.20	0.81	0.1	2	0.5	54.0	<0.05	<0.05	<0.2	<0.005	0.04	2.9
G075378		23.3	0.6	0.027	4.07	4.45	0.1	2	6.1	48.9	<0.05	0.05	<0.2	<0.005	0.29	2.3
G075379		3320	0.8	0.014	>10.0	28.8	<0.1	17	103.5	1.1	<0.05	1.21	<0.2	<0.005	0.70	1.1
G075380		172.0	0.6	0.005	>10.0	7.50	0.1	3	7.0	18.3	<0.05	0.29	<0.2	<0.005	0.13	0.8
G075381		153.0	0.3	0.007	>10.0	15.65	<0.1	12	65.9	1.7	<0.05	0.66	<0.2	<0.005	0.24	0.8
G075382		45.8	0.3	0.003	>10.0	6.28	0.1	5	22.7	17.0	<0.05	0.12	<0.2	<0.005	0.07	0.6
G075383		>10000	0.2	0.015	>10.0	74.1	<0.1	6	50.2	4.1	<0.05	1.46	<0.2	<0.005	0.69	1.4
G075384		5710	0.6	0.009	>10.0	637	<0.1	9	294	4.9	<0.05	0.94	<0.2	<0.005	2.58	15.3
G075385		>10000	0.5	0.007	>10.0	764	<0.1	26	>500	11.4	<0.05	3.17	0.4	<0.005	3.35	19.3
G075386		6620	0.2	0.003	>10.0	86.1	<0.1	32	470	2.0	<0.05	0.85	0.9	<0.005	1.28	4.1
G075387		64.0	1.0	<0.002	0.11	1.60	0.2	1	3.2	37.3	<0.05	<0.05	<0.2	<0.005	0.02	0.6
G075388		34.6	0.4	0.006	0.48	25.9	0.2	2	3.4	30.9	<0.05	<0.05	<0.2	<0.005	0.20	3.5
G075389		>10000	0.6	0.024	3.45	146.5	0.1	3	73.6	31.1	<0.05	0.10	<0.2	<0.005	0.61	42.6
G075390		>10000	1.1	0.012	>10.0	580	<0.1	14	439	16.0	<0.05	0.77	<0.2	<0.005	2.74	2.7
G075391		525	0.5	0.004	0.35	6.37	0.1	1	7.4	99.2	<0.05	0.07	<0.2	<0.005	0.17	8.3
G075392		104.0	0.4	<0.002	0.43	1.53	0.1	1	1.8	82.4	<0.05	<0.05	<0.2	<0.005	0.07	4.1
G075393		1915	9.0	0.021	>10.0	92.9	0.3	4	83.1	28.3	<0.05	0.31	<0.2	<0.005	1.40	7.6
G075394		949	0.4	0.015	3.57	43.2	0.1	2	23.2	43.3	<0.05	0.14	<0.2	<0.005	1.17	5.5
G075395		>10000	2.3	0.029	>10.0	400	<0.1	15	330	2.9	<0.05	1.36	0.2	0.006	0.92	9.2
G075396		>10000	2.1	0.022	>10.0	456	<0.1	15	175.5	1.9	<0.05	1.33	<0.2	<0.005	1.14	2.5
G075397		>10000	2.5	0.011	>10.0	636	<0.1	31	>500	7.5	<0.05	1.26	<0.2	0.006	2.05	2.6
G075398		45.2	2.0	0.007	0.35	2.25	0.6	1	2.0	72.0	<0.05	<0.05	0.3	0.016	0.18	8.2
G075399		110.5	1.3	<0.002	0.04	1.27	0.2	1	1.6	44.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
G075400		83.4	1.4	0.002	0.11	1.45	0.3	1	1.1	55.1	<0.05	<0.05	<0.2	0.007	0.12	8.9
G075401		>10000	223	0.021	>10.0	220	7.1	39	23.3	133.5	0.42	<0.05	6.0	0.229	4.38	5.1
G075402		42.9	3.6	0.006	0.26	2.00	0.6	2	1.4	61.3	0.05	<0.05	0.4	0.014	0.19	8.0
G075403		726	5.2	0.040	>10.0	14.90	0.4	6	11.0	33.5	<0.05	3.18	0.7	0.012	0.33	4.7
G075404		20.0	1.9	0.008	0.18	0.79	0.5	1	1.4	49.5	<0.05	<0.05	<0.2	0.007	0.09	4.0
G075405		13.5	2.5	0.012	0.26	0.94	0.5	2	2.3	55.4	<0.05	<0.05	0.3	0.010	0.12	3.4
G075406		17.3	2.0	<0.002	0.11	0.94	0.4	1	0.5	65.6	<0.05	<0.05	0.2	0.007	0.08	10.8
G075407		16.6	1.0	0.024	0.59	3.10	0.9	2	0.8	88.1	0.09	<0.05	0.7	0.028	0.19	50.1
G075408		11.0	1.1	0.003	0.33	1.07	0.4	2	0.2	65.4	<0.05	<0.05	0.2	0.008	0.09	11.3
G075409		9.1	0.6	0.002	0.19	0.64	0.2	1	<0.2	61.2	<0.05	<0.05	<0.2	0.005	0.06	3.2
G075410		>10000	101.5	0.003	6.46	124.5	4.3	8	3.7	589	0.28	0.37	5.5	0.131	1.30	2.6
G075411		58.9	0.7	0.003	6.97	4.46	0.1	1	3.5	40.4	<0.05	0.22	<0.2	<0.005	0.10	2.2

Comments: **Corrected certificate for samples G075410 & G075411**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11107516

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01	Pb- VOL70 Pb % 0.01
G075376		20	0.2	1.6	704	1.1					
G075377		14	0.2	0.6	277	0.6					
G075378		11	6.2	0.8	9990	0.8					
G075379		9	197.5	0.6	>10000	0.5			26.2		
G075380		8	15.7	1.5	>10000	0.6			1.955		
G075381		2	60.9	0.1	>10000	<0.5			20.0		
G075382		4	9.0	0.3	>10000	<0.5			6.37		
G075383		11	530	1.2	>10000	<0.5		1.715	5.86		
G075384		7	117.0	1.1	>10000	0.8	114		6.02		
G075385		<1	5.1	2.5	>10000	0.5	117	3.74	25.9		
G075386		<1	0.5	6.5	>10000	<0.5			>30.0	56.87	
G075387		2	0.2	0.8	1490	<0.5					
G075388		10	0.3	0.9	3190	1.4					
G075389		12	0.5	1.4	>10000	3.3		1.810	2.92		
G075390		14	1.9	0.8	>10000	0.7	639	>20.0	25.3		19.92
G075391		36	0.4	1.4	2910	0.6					
G075392		37	0.3	0.9	443	0.6					
G075393		61	1.1	1.6	>10000	2.0			3.57		
G075394		10	1.0	0.8	3320	<0.5					
G075395		17	11.6	2.8	>10000	1.7		1.130	7.46		
G075396		19	13.1	0.4	>10000	1.0		1.285	1.840		
G075397		14	5.3	0.3	>10000	1.5	236	9.08	12.55		
G075398		25	0.4	1.6	760	3.7					
G075399		2	0.1	0.9	213	<0.5					
G075400		18	0.1	1.2	382	1.6					
G075401		76	4.7	9.8	>10000	41.2	718	1.940	2.67		
G075402		36	0.2	1.5	199	4.7					
G075403		32	9.5	2.1	1410	3.7					
G075404		30	0.1	1.3	135	1.6					
G075405		29	0.1	1.3	124	2.6					
G075406		20	0.1	1.9	212	2.3					
G075407		50	0.2	11.3	158	9.7					
G075408		33	0.1	2.2	90	2.9					
G075409		14	0.1	0.8	215	1.8					
G075410		38	3.3	9.5	>10000	23.0	157	5.06	4.84		
G075411		10	1.2	1.7	423	<0.5					

Comments: **Corrected certificate for samples G075410 & G075411**

***** 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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26- AUG- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11107516

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: **20- JUL- 2011**
Account: **RCM**

CERTIFICATE WH11115568

Project: Rau- Tiger (Ocelot)

P.O. No.: Batch 12 Area L

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115568

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075448		10.94	0.02	1.02	0.33	248	390	0.18	0.47	19.85	2.26	4.34	0.6	9	0.42	6.7
G075449		8.93	0.02	0.24	0.04	47	70	0.11	0.25	20.2	0.43	1.88	0.2	1	0.21	2.3
G075450		3.11	0.66	>100	0.18	2130	260	0.24	69.2	2.36	38.8	2.14	0.7	7	0.67	>10000
G075451		8.21	0.60	93.3	0.32	8970	330	0.10	17.05	0.37	<0.02	20.0	1.7	7	0.20	213
G075452		4.00	0.04	2.12	0.11	646	340	0.09	0.36	16.60	1.42	2.62	0.7	<1	0.22	20.7
G075453		5.21	0.19	4.92	0.14	2680	320	0.12	1.01	11.70	0.95	30.4	0.8	4	0.30	10.7
G075454		8.92	0.02	3.58	0.04	315	110	0.06	0.42	20.5	0.18	13.30	0.2	1	0.11	8.6
G075455		4.35	0.12	4.64	0.09	2980	190	0.11	0.51	15.60	0.61	70.0	0.4	1	0.15	8.6
G075456		5.29	0.52	11.30	0.08	>10000	110	0.05	1.58	0.54	0.11	53.6	1.6	1	0.10	29.9
G075457		2.67	0.22	3.87	0.07	5530	120	0.05	0.71	11.40	0.19	8.14	0.4	<1	0.07	11.7
G075458		5.04	<0.01	0.08	0.07	6	20	0.05	0.08	21.0	0.07	1.46	0.5	<1	0.12	2.5
G075459		3.25	0.03	1.05	0.13	464	290	0.13	0.22	19.50	5.26	3.39	0.4	3	0.11	12.8
G075460		5.61	0.02	1.51	0.06	94	230	0.11	0.34	19.25	19.65	2.97	0.1	1	0.06	33.2
G075461		4.92	0.24	48.3	0.20	869	190	0.17	3.82	9.64	809	19.65	1.0	6	0.80	1815
G075462		10.04	<0.01	0.06	0.02	8	110	0.09	0.04	17.70	0.17	0.97	0.8	<1	<0.05	1.0
G075463		5.88	<0.01	0.05	0.27	<5	230	0.15	0.01	20.6	0.07	5.07	1.3	11	0.27	4.7
G075464		6.32	<0.01	0.17	0.06	<5	30	0.11	0.06	17.70	0.50	0.69	0.1	3	<0.05	3.4
G075465		0.27	0.10	67.3	5.37	2930	620	0.75	3.78	7.21	135.0	32.2	12.3	44	2.69	1080
G075466		7.24	<0.01	0.05	0.05	5	20	<0.05	0.01	19.10	2.08	1.46	1.0	<1	0.08	1.9
G075467		8.27	0.01	0.55	0.35	11	1120	0.11	0.02	18.90	1.15	6.17	2.1	10	0.49	6.8
G075468		10.20	<0.01	0.05	0.11	<5	30	<0.05	0.05	21.7	0.15	3.47	0.4	16	0.15	2.3
G075469		9.05	<0.01	0.05	0.16	<5	20	0.06	0.05	21.9	0.19	3.40	0.5	9	0.22	3.4
G075470		8.71	<0.01	0.06	0.17	<5	20	0.09	0.07	21.7	0.17	5.21	0.8	10	0.20	3.8
G075471		9.20	<0.01	0.06	0.13	<5	30	0.07	0.06	21.8	0.27	3.77	0.5	15	0.18	3.0
G075472		10.12	0.01	0.04	0.10	<5	30	<0.05	0.05	20.4	0.13	2.91	0.6	7	0.15	3.0
G075473		9.16	<0.01	0.13	0.16	<5	30	0.08	0.06	20.3	0.41	3.78	1.2	11	0.27	5.9
G075474		9.75	<0.01	0.45	0.08	<5	30	0.07	0.04	20.7	1.02	3.29	0.6	6	0.17	4.1
G075475		9.72	<0.01	0.07	0.05	<5	30	0.05	0.05	20.4	0.17	2.81	0.4	3	0.07	2.5
G075476		4.50	0.01	2.10	2.83	27	540	0.92	0.20	13.85	4.82	28.9	7.3	24	5.96	17.7
G075477		5.30	0.01	0.29	1.54	64.2	270	0.51	0.11	9.99	0.24	19.30	2.6	17	3.78	6.3
G075478		3.13	0.01	0.27	1.56	49.3	330	0.51	0.09	9.89	0.23	18.85	2.7	16	2.95	5.6
G075479		3.86	0.01	0.21	1.37	55	380	0.45	0.10	13.15	0.15	16.40	2.0	12	2.04	4.6
G075480		9.61	<0.01	0.06	0.24	8	100	0.15	<0.01	12.60	0.12	5.65	0.9	11	0.33	3.6
G075481		9.84	<0.01	0.07	0.61	6	310	0.24	0.01	18.45	0.14	6.77	1.3	7	0.56	4.3
G075482		0.26	0.23	>100	4.10	5980	420	0.94	10.30	11.70	320	37.5	16.1	25	4.80	2250
G075483		5.31	<0.01	0.02	0.06	<5	10	<0.05	0.02	21.4	0.12	1.30	1.3	<1	0.16	3.0



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115568

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075448		1.77	3.97	0.13	0.2	1.155	0.16	2.7	3.0	12.45	2020	0.46	0.02	1.8	4.2	290
G075449		0.40	0.19	0.14	<0.1	0.790	0.01	1.2	2.2	12.75	1160	0.24	0.01	<0.1	1.1	80
G075450		8.40	1.25	0.16	<0.1	18.60	0.03	1.6	13.5	1.20	1310	2.45	0.01	0.2	8.0	240
G075451		38.7	4.23	0.25	0.3	4.94	0.13	15.4	2.4	0.14	156	24.1	0.01	1.0	15.3	780
G075452		4.18	1.08	0.05	<0.1	0.886	0.04	1.4	2.3	10.35	1410	3.20	<0.01	0.4	2.1	190
G075453		11.65	1.35	0.19	0.1	1.375	0.04	25.4	3.6	7.61	1430	1.42	0.01	0.4	6.7	1990
G075454		1.04	0.37	0.13	<0.1	1.540	0.01	11.5	1.6	13.00	654	0.28	0.01	0.1	0.7	100
G075455		10.50	1.22	0.19	<0.1	0.723	0.03	66.3	1.6	9.99	1360	0.31	0.01	0.1	3.4	260
G075456		42.6	1.46	0.24	0.1	0.283	0.04	47.7	0.7	0.17	164	0.92	<0.01	0.4	13.0	1160
G075457		18.15	0.70	0.15	<0.1	0.871	0.02	7.3	1.4	7.93	1560	0.30	0.01	0.1	3.6	50
G075458		0.47	0.18	0.12	<0.1	0.006	0.03	0.7	0.9	13.10	201	0.10	<0.01	0.2	0.6	190
G075459		2.21	1.12	0.14	0.1	1.765	0.05	2.0	2.4	12.15	1260	0.70	0.01	0.5	5.6	1160
G075460		1.08	1.04	0.13	<0.1	10.05	0.02	2.0	2.1	11.80	3080	0.18	0.01	0.1	2.5	420
G075461		4.94	26.5	0.16	0.1	153.5	0.02	17.1	2.2	6.31	1030	0.56	0.01	0.7	11.2	390
G075462		0.12	0.21	0.28	<0.1	0.071	0.01	0.7	2.3	11.20	284	0.08	<0.01	0.2	1.6	40
G075463		0.21	0.56	<0.05	0.2	0.011	0.11	2.5	3.5	12.25	172	0.96	0.02	1.6	5.0	620
G075464		0.14	0.19	0.13	<0.1	0.105	<0.01	0.5	1.0	11.20	182	0.17	0.01	0.1	0.6	90
G075465		3.97	11.30	0.18	1.8	0.094	1.43	15.5	14.8	0.77	2960	5.84	1.34	4.6	25.2	660
G075466		0.13	0.32	0.34	<0.1	0.024	0.02	0.7	1.7	12.20	205	0.15	<0.01	0.3	1.6	60
G075467		0.45	0.90	<0.05	0.2	0.115	0.05	3.2	4.1	11.20	551	0.70	0.01	1.2	13.0	710
G075468		0.14	0.26	0.14	0.1	0.012	0.03	1.8	3.0	13.55	171	0.15	0.01	0.2	0.8	220
G075469		0.12	0.36	0.14	0.1	0.005	0.03	1.6	3.3	13.80	186	0.15	0.01	0.4	0.7	270
G075470		0.17	0.40	0.16	0.1	0.010	0.03	2.7	2.8	13.65	327	0.34	0.01	0.5	1.8	190
G075471		0.22	0.36	0.16	0.1	0.023	0.03	2.1	2.8	13.85	285	0.15	0.01	0.2	0.8	90
G075472		0.24	0.26	0.16	0.1	0.008	0.03	1.6	2.6	12.80	268	0.16	0.01	0.3	0.6	90
G075473		0.30	0.38	0.14	0.1	0.018	0.03	1.9	3.0	12.85	408	0.39	0.01	0.5	3.2	80
G075474		0.19	0.25	0.16	<0.1	0.041	0.02	2.0	2.3	13.20	296	0.09	0.01	0.1	0.4	50
G075475		0.12	0.14	0.16	<0.1	0.009	0.01	1.6	1.7	12.90	290	0.14	0.01	0.1	0.2	60
G075476		1.54	7.41	<0.05	0.5	0.427	1.29	14.5	6.4	8.88	900	0.57	0.03	4.0	11.2	380
G075477		1.46	5.61	<0.05	0.5	1.170	0.62	10.3	6.7	6.27	890	2.01	0.01	2.1	8.7	740
G075478		1.56	5.38	0.05	0.5	0.894	0.69	9.6	5.3	5.91	879	1.45	0.02	2.1	8.6	660
G075479		1.13	4.99	<0.05	0.5	0.435	0.64	8.6	4.7	8.42	686	2.01	0.01	1.9	5.8	770
G075480		0.24	0.83	<0.05	<0.1	0.141	0.09	2.6	2.1	8.12	283	0.29	0.01	0.5	2.0	380
G075481		0.35	1.57	<0.05	0.1	0.013	0.22	3.4	3.6	11.05	254	0.55	0.01	1.1	4.2	410
G075482		4.77	9.40	0.11	0.8	0.171	1.72	19.9	22.8	0.60	5820	4.29	0.17	3.9	15.9	790
G075483		0.46	0.33	0.25	<0.1	0.011	0.03	0.7	1.0	12.75	227	0.22	<0.01	0.3	2.6	190



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115568

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075448		176.5	9.9	0.007	2.21	5.45	0.6	<1	10.8	71.5	0.10	0.09	0.4	0.033	0.26	2.5
G075449		15.6	0.8	0.004	0.35	1.79	0.2	<1	0.9	73.3	<0.05	<0.05	<0.2	<0.005	0.14	1.2
G075450		>10000	2.9	0.020	>10.0	9210	0.1	13	72.7	7.8	<0.05	4.18	<0.2	<0.005	4.63	2.2
G075451		>10000	7.9	0.038	>10.0	324	0.1	28	450	3.8	0.06	19.50	0.5	0.022	1.57	6.3
G075452		166.5	3.0	0.008	5.23	19.90	0.6	1	21.7	60.8	<0.05	0.28	<0.2	<0.005	0.55	1.4
G075453		173.5	2.9	0.052	>10.0	30.2	0.4	3	11.1	42.8	<0.05	1.42	0.3	0.007	1.08	12.3
G075454		500	0.6	0.003	1.35	28.9	0.2	1	34.6	61.2	<0.05	0.39	<0.2	<0.005	0.16	1.8
G075455		68.5	2.1	0.007	>10.0	10.60	0.4	2	5.6	57.6	<0.05	1.33	<0.2	<0.005	0.21	2.3
G075456		189.0	2.8	0.023	>10.0	36.3	0.1	7	6.7	2.9	<0.05	3.57	0.3	0.008	1.05	20.8
G075457		87.6	1.4	0.010	>10.0	16.20	0.5	3	4.2	49.6	<0.05	1.06	<0.2	<0.005	0.23	0.9
G075458		2.0	1.3	0.003	0.06	0.45	0.2	<1	0.2	43.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075459		26.0	2.6	0.008	2.82	5.34	0.4	1	7.7	105.5	<0.05	0.10	0.2	0.009	0.14	11.1
G075460		101.5	1.3	0.003	0.88	4.79	0.3	<1	19.9	108.5	<0.05	0.08	<0.2	<0.005	0.09	5.2
G075461		4550	2.0	0.018	>10.0	137.0	0.3	3	>500	52.0	<0.05	0.69	<0.2	0.015	2.39	13.5
G075462		3.1	0.2	<0.002	0.08	0.76	0.2	1	0.4	53.5	<0.05	<0.05	<0.2	<0.005	0.04	1.4
G075463		3.0	3.1	0.004	0.24	1.26	1.1	1	0.2	81.2	0.08	<0.05	0.4	0.026	0.17	7.5
G075464		9.1	0.1	0.003	0.12	1.22	0.1	<1	1.0	49.4	<0.05	<0.05	<0.2	<0.005	0.04	4.0
G075465		>10000	75.3	0.006	3.08	64.8	8.0	2	3.4	446	0.33	0.16	4.6	0.223	0.69	2.1
G075466		5.3	2.1	<0.002	0.05	0.50	0.2	1	0.5	55.8	<0.05	<0.05	<0.2	<0.005	0.06	2.5
G075467		28.6	4.8	0.007	0.52	3.14	0.8	1	2.5	73.2	0.06	<0.05	0.7	0.026	0.47	5.3
G075468		8.9	3.3	0.005	0.08	0.71	0.3	<1	0.6	93.1	<0.05	<0.05	0.3	0.006	0.07	3.6
G075469		3.9	3.3	0.003	0.10	0.63	0.4	<1	0.3	74.0	<0.05	<0.05	0.4	0.009	0.08	3.3
G075470		7.9	3.2	0.007	0.14	0.88	0.4	1	1.1	98.1	<0.05	<0.05	0.4	0.013	0.13	4.7
G075471		5.1	2.6	0.005	0.13	0.69	0.4	<1	1.5	93.0	<0.05	<0.05	0.3	0.007	0.09	3.9
G075472		4.4	2.3	0.004	0.08	0.57	0.2	<1	0.6	78.2	<0.05	<0.05	0.2	0.008	0.06	2.6
G075473		7.6	2.7	0.007	0.19	1.47	0.4	<1	0.6	75.2	<0.05	<0.05	0.3	0.010	0.23	2.6
G075474		10.1	1.8	0.004	0.12	1.73	0.2	<1	1.2	65.9	<0.05	<0.05	0.2	<0.005	0.28	2.7
G075475		3.3	0.9	0.004	0.05	0.64	0.1	<1	0.4	62.3	<0.05	<0.05	<0.2	<0.005	0.08	1.9
G075476		100.5	52.6	0.006	1.42	11.35	5.3	2	6.5	88.4	0.26	<0.05	3.9	0.107	2.31	6.4
G075477		26.8	44.1	0.019	1.55	7.02	2.7	2	14.7	81.4	0.14	<0.05	2.7	0.064	1.21	5.7
G075478		18.7	43.8	0.008	1.63	4.98	3.1	2	11.1	76.2	0.14	<0.05	2.7	0.064	0.83	4.6
G075479		17.5	57.7	0.012	1.22	3.27	2.7	2	14.5	94.8	0.12	<0.05	2.4	0.056	0.75	2.4
G075480		9.9	7.2	0.002	0.15	1.10	0.7	2	2.2	84.4	<0.05	<0.05	0.7	0.014	0.16	2.0
G075481		14.1	12.6	0.002	0.34	0.96	1.4	2	0.9	111.0	0.07	<0.05	1.0	0.028	0.20	1.4
G075482		>10000	97.4	0.003	6.90	135.0	5.1	8	3.5	624	0.31	0.42	5.5	0.138	1.31	2.7
G075483		2.3	1.7	<0.002	0.03	0.06	0.3	1	<0.2	40.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.9



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

To: ATAC RESOURCES LTD.
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 20- JUL- 2011
 Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115568

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	As- OG62 As % 0.001
G075448		15	1.8	2.5	627	5.6				
G075449		15	0.3	1.1	153	<0.5				
G075450		7	4.5	0.6	6630	1.2	1470	1.165		
G075451		32	201	1.5	2560	8.9		1.110		
G075452		19	3.3	2.2	397	1.5				
G075453		19	16.1	3.4	498	2.7				
G075454		12	6.6	1.3	179	<0.5				
G075455		19	39.2	2.2	236	0.7				
G075456		15	64.6	2.4	301	3.4				1.280
G075457		27	18.8	1.6	78	0.5				
G075458		1	0.1	0.8	16	<0.5				
G075459		40	0.8	2.4	1010	2.9				
G075460		24	0.3	1.7	4120	0.6				
G075461		24	3.1	1.4	>10000	4.6			14.65	
G075462		6	0.1	0.6	93	0.7				
G075463		16	0.2	2.2	60	6.0				
G075464		17	0.1	0.6	93	0.8				
G075465		67	9.5	11.6	>10000	38.6		1.875	1.945	
G075466		12	0.1	0.9	406	1.0				
G075467		33	0.5	2.5	999	6.7				
G075468		21	0.1	1.8	234	1.9				
G075469		15	0.1	1.5	88	2.5				
G075470		20	0.2	1.8	195	3.6				
G075471		17	0.1	1.6	543	2.3				
G075472		9	0.1	1.3	630	1.9				
G075473		17	0.1	1.5	754	3.0				
G075474		12	0.1	1.2	872	1.5				
G075475		9	0.1	1.0	200	0.9				
G075476		44	2.0	6.3	1650	21.6				
G075477		28	1.9	6.3	129	22.0				
G075478		28	1.6	6.3	110	20.3				
G075479		24	1.0	6.9	64	18.2				
G075480		8	0.3	3.8	41	4.1				
G075481		14	0.2	2.8	50	8.0				
G075482		41	3.9	9.5	>10000	21.9	148	4.92	4.87	
G075483		2	0.1	1.0	30	0.5				



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rau- Tiger (Ocelot)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20- JUL- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11115568

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 18- JUL- 2011
Account: RCM

CERTIFICATE WH11115569

Project: Rau- Tiger (Ocelot)

P.O. No.: Batch 11 Area L

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
Zn- VOL50	Zn by titration	

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115569

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075412		12.12	0.12	11.60	0.03	3670	40	<0.05	3.78	1.56	142.5	10.25	0.3	10	0.11	321
G075413		5.95	0.12	16.60	0.03	3850	40	<0.05	2.46	1.59	192.5	9.76	0.4	14	0.11	344
G075414		8.69	0.11	43.4	0.02	2570	30	<0.05	3.22	0.96	>1000	3.17	1.4	<1	0.09	459
G075415		10.56	0.18	47.3	0.04	4450	190	<0.05	15.40	0.15	904	1.37	2.4	<1	0.23	747
G075416		7.45	<0.01	0.10	0.08	10	20	<0.05	0.03	21.2	1.91	1.66	1.3	<1	0.17	2.7
G075417		2.76	0.13	60.8	0.03	3880	60	<0.05	37.2	2.55	7.05	1.28	1.7	<1	0.10	26.5
G075418		2.55	0.03	4.36	0.07	496	260	0.10	1.46	12.65	46.6	10.80	1.4	5	0.59	33.6
G075419		5.51	0.12	40.3	0.13	1750	220	0.11	3.71	10.25	31.5	97.2	2.6	1	0.57	283
G075420		10.54	0.08	2.40	0.10	747	100	0.11	0.14	14.95	0.92	199.0	1.1	6	0.24	4.8
G075421		7.98	0.01	0.47	0.15	170	290	0.13	0.15	20.1	0.14	57.9	0.9	8	0.21	2.7
G075422		12.36	<0.01	0.04	6.18	2.2	1400	1.38	<0.01	5.79	0.15	93.5	48.3	121	4.09	63.2
G075423		11.01	<0.01	0.05	6.21	3.5	680	1.38	0.01	6.46	0.27	91.8	41.8	105	2.91	60.0
G075424		5.20	<0.01	0.07	5.92	15.0	910	1.38	<0.01	6.94	0.23	85.1	44.0	99	1.54	74.6
G075425		7.68	<0.01	0.02	6.02	14.7	1630	1.10	0.01	6.79	0.19	86.7	39.8	92	3.55	59.9
G075426		8.48	<0.01	0.26	3.27	28.0	260	0.67	0.05	5.39	0.46	30.1	9.7	52	0.69	26.6
G075427		9.12	0.01	0.29	3.90	31.6	230	0.75	0.04	6.76	0.20	37.2	13.2	69	1.07	35.3
G075428		0.22	0.23	>100	4.05	6070	270	1.03	10.75	12.05	326	40.2	16.0	26	5.07	2210
G075429		8.32	0.01	0.42	0.05	11	120	0.09	0.04	21.5	0.16	3.41	1.1	1	0.06	5.5
G075430		11.02	0.01	0.77	1.97	18	240	0.43	0.13	16.20	1.36	25.8	9.2	40	0.58	19.3
G075431		4.05	0.04	2.09	0.04	571	70	0.11	0.29	16.55	1.29	2.56	0.8	4	0.11	3.8
G075432		4.10	<0.01	0.05	0.03	6	30	0.13	0.02	21.0	0.07	1.45	0.5	2	0.06	1.2
G075433		5.86	<0.01	0.06	0.03	8	30	0.09	0.02	20.7	0.08	1.41	0.6	3	0.07	1.2
G075434		8.29	0.01	0.30	0.06	149	140	0.12	0.08	19.70	0.49	2.67	0.6	5	0.11	5.2
G075435		4.76	0.15	20.8	0.03	1545	30	0.05	4.97	6.57	17.60	3.24	0.6	4	0.11	344
G075436		8.44	<0.01	0.58	0.04	84	70	0.14	0.05	19.10	10.05	1.17	0.5	3	0.05	4.7
G075437		5.83	<0.01	0.05	0.02	<5	40	0.12	0.04	20.7	0.08	1.02	0.6	2	<0.05	1.6
G075438		11.97	<0.01	0.02	0.03	7	50	0.11	0.07	19.55	0.04	1.11	0.5	3	<0.05	1.3
G075439		11.64	<0.01	0.04	0.03	9	150	0.10	0.06	21.1	0.04	1.23	0.7	2	<0.05	1.5
G075440		10.14	0.02	21.5	0.14	30	780	0.17	0.95	20.6	3.25	2.85	1.3	7	0.27	162.5
G075441		3.32	0.57	>100	0.06	2830	330	0.08	120.5	6.29	30.2	4.09	1.2	3	0.37	1560
G075442		2.81	0.18	>100	0.19	637	570	0.28	30.1	5.16	70.4	2.27	0.5	8	0.99	7590
G075443		2.42	0.51	>100	0.18	714	210	0.14	19.25	0.46	>1000	1.81	0.6	12	0.57	7590
G075444		7.78	0.02	0.31	0.10	<5	20	0.05	0.03	20.8	0.27	1.74	1.1	<1	0.17	7.2
G075445		6.31	0.20	>100	0.19	356	290	0.24	14.50	18.05	7.55	4.83	1.0	4	0.46	2410
G075446		0.08	0.49	>100	4.85	9310	210	0.75	0.22	2.11	283	32.4	14.5	44	7.59	938
G075447		5.50	0.01	0.46	0.29	23	720	0.30	0.09	20.8	0.42	5.02	1.0	2	0.26	5.5



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115569

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075412		18.35	3.51	0.21	<0.1	10.90	0.01	9.0	1.4	0.82	964	0.40	<0.01	0.2	3.1	60
G075413		19.70	4.78	0.20	<0.1	15.95	0.01	8.8	1.1	0.86	766	0.43	<0.01	0.2	3.6	70
G075414		14.60	36.5	0.14	<0.1	136.0	0.01	2.8	0.6	0.47	974	0.36	<0.01	0.2	12.4	20
G075415		22.6	30.9	0.23	<0.1	92.9	0.01	0.7	1.3	0.06	223	0.70	<0.01	0.4	21.9	160
G075416		0.46	0.39	0.14	<0.1	0.218	0.03	0.8	1.2	12.60	186	0.10	0.01	0.4	2.4	210
G075417		27.0	0.63	0.27	<0.1	1.520	0.01	0.8	2.8	1.39	199	0.51	<0.01	0.4	12.9	170
G075418		3.52	2.08	<0.05	<0.1	4.04	0.03	8.1	3.7	7.79	1260	0.85	0.01	0.3	9.2	270
G075419		10.15	2.30	0.13	0.1	6.62	0.03	81.5	4.7	5.97	795	1.12	0.01	0.6	16.1	1020
G075420		3.90	1.10	0.10	<0.1	0.232	0.03	157.5	5.4	8.97	907	1.69	0.01	0.4	7.4	1040
G075421		1.24	1.11	0.05	<0.1	0.057	0.07	48.7	3.9	11.75	517	0.85	0.01	0.7	5.9	2520
G075422		9.04	18.00	0.16	1.5	0.082	1.97	48.2	51.5	6.79	1180	0.08	0.24	18.6	131.5	2410
G075423		5.90	18.15	0.16	0.7	0.107	3.09	46.2	33.1	4.26	1140	0.11	0.03	23.2	106.0	2600
G075424		6.48	18.00	0.15	0.7	0.104	3.46	40.7	27.1	3.85	999	0.10	0.03	21.0	125.5	2460
G075425		7.16	17.45	0.14	1.0	0.078	3.45	42.3	22.8	3.98	838	0.43	0.03	23.4	90.0	2630
G075426		4.93	9.02	0.10	1.3	0.047	1.72	17.9	6.9	3.17	509	3.01	0.02	17.7	35.8	990
G075427		4.71	10.70	0.10	1.2	0.037	1.99	20.4	9.9	3.86	375	5.57	0.03	20.2	35.4	2480
G075428		4.95	9.65	0.12	0.9	0.174	1.69	20.9	24.8	0.61	5890	4.33	0.17	3.9	16.0	790
G075429		0.27	0.28	0.24	<0.1	0.041	0.02	3.3	3.1	12.85	338	0.51	0.02	0.3	3.7	1200
G075430		1.62	5.44	0.06	0.8	0.275	0.90	14.3	8.1	9.75	360	0.64	0.02	9.9	21.0	2270
G075431		8.52	0.34	0.10	<0.1	0.516	0.02	2.1	2.8	10.00	984	0.19	0.01	0.3	1.9	520
G075432		0.14	0.13	<0.05	<0.1	0.073	0.01	1.1	3.1	12.65	375	0.10	0.01	0.1	<0.2	410
G075433		0.14	0.16	0.05	<0.1	0.094	0.01	1.2	4.7	12.60	466	0.09	0.01	0.1	<0.2	560
G075434		1.11	0.37	0.05	<0.1	0.241	0.02	1.9	3.3	11.75	682	0.10	0.01	0.1	<0.2	1080
G075435		22.5	1.26	0.27	<0.1	5.91	0.01	3.0	2.9	3.78	1060	0.14	<0.01	0.3	4.3	170
G075436		0.91	0.50	<0.05	<0.1	0.962	0.01	0.9	2.8	11.45	391	0.08	0.01	0.1	1.1	310
G075437		0.13	0.15	<0.05	<0.1	0.014	0.01	0.8	3.0	12.55	298	0.08	0.01	0.1	<0.2	170
G075438		0.10	0.15	0.05	<0.1	<0.005	0.01	0.8	2.8	11.75	243	0.05	0.01	0.1	<0.2	80
G075439		0.11	0.18	0.06	<0.1	0.010	0.01	0.9	3.1	12.85	393	0.07	0.01	0.1	<0.2	140
G075440		0.23	0.51	0.10	0.1	0.577	0.05	2.0	4.1	12.55	878	0.19	0.02	0.7	0.4	660
G075441		17.90	1.29	0.25	<0.1	34.2	0.01	3.6	5.2	3.67	1460	0.41	0.01	0.4	5.8	90
G075442		1.39	1.94	<0.05	<0.1	27.9	0.03	2.1	15.8	2.81	1660	0.63	0.01	0.1	2.4	110
G075443		3.06	20.3	<0.05	0.1	321	0.05	1.3	5.7	0.16	199	1.39	<0.01	0.2	5.7	660
G075444		0.40	0.39	0.12	<0.1	0.070	0.04	0.8	1.4	12.25	179	0.18	<0.01	0.4	3.7	230
G075445		1.69	1.38	<0.05	0.1	9.75	0.06	3.8	5.4	10.40	4070	0.52	0.01	0.4	3.8	1230
G075446		11.90	14.25	0.31	1.5	0.672	2.53	16.0	25.8	0.36	2170	10.35	0.03	6.4	23.1	390
G075447		0.35	1.27	0.14	0.1	0.285	0.11	2.6	4.1	12.25	816	0.98	<0.01	0.9	4.7	1050



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18- JUL- 2011
Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115569

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075412		1635	0.7	0.003	>10.0	433	0.1	4	67.2	3.9	<0.05	0.36	<0.2	<0.005	0.33	1.0
G075413		1860	0.7	0.002	>10.0	456	0.1	6	99.4	3.8	<0.05	0.50	<0.2	<0.005	0.30	1.1
G075414		7420	0.6	0.026	>10.0	116.5	0.1	21	291	2.2	<0.05	0.99	<0.2	<0.005	2.36	287
G075415		>10000	1.6	0.131	>10.0	448	<0.1	18	200	7.8	<0.05	2.12	<0.2	<0.005	2.69	130.0
G075416		15.8	1.8	<0.002	0.10	0.44	0.3	1	0.5	50.7	<0.05	<0.05	<0.2	<0.005	<0.02	1.0
G075417		>10000	0.8	0.143	>10.0	150.5	<0.1	13	87.8	16.7	<0.05	2.15	<0.2	<0.005	2.62	15.9
G075418		618	2.5	0.037	3.29	17.65	0.3	2	21.3	114.5	<0.05	0.28	<0.2	<0.005	1.16	6.0
G075419		8900	2.8	0.093	>10.0	229	0.3	3	45.9	52.5	<0.05	0.53	0.3	0.006	2.00	500
G075420		214	1.5	0.057	4.80	19.65	0.5	1	2.4	65.9	<0.05	0.51	0.2	0.008	0.76	11.4
G075421		21.6	3.0	0.016	1.43	2.92	0.6	2	1.8	84.0	<0.05	0.10	0.2	0.013	0.19	19.6
G075422		3.7	56.6	<0.002	0.22	1.95	19.2	1	1.3	117.0	1.09	<0.05	3.9	0.707	0.36	1.1
G075423		5.2	73.5	<0.002	2.47	9.98	18.2	1	2.6	111.5	1.35	<0.05	3.9	0.691	0.48	7.5
G075424		5.6	75.5	<0.002	5.63	8.77	16.2	1	3.4	103.0	1.18	<0.05	3.7	0.649	0.59	3.1
G075425		4.7	69.9	<0.002	7.33	8.88	16.4	1	1.8	78.3	1.33	<0.05	3.9	0.675	1.17	4.1
G075426		21.5	32.5	0.003	5.52	8.89	7.1	2	1.7	38.1	1.02	0.06	2.7	0.438	1.20	2.8
G075427		20.7	39.8	0.025	5.55	11.30	10.6	2	1.1	48.7	1.14	0.05	2.8	0.540	1.87	5.6
G075428		>10000	95.6	0.002	6.91	139.0	4.9	8	4.7	609	0.31	0.44	5.8	0.138	1.35	2.8
G075429		18.6	0.8	0.005	0.28	3.37	0.4	1	0.3	94.3	<0.05	<0.05	<0.2	<0.005	0.10	16.8
G075430		35.6	24.5	0.003	1.93	12.35	6.4	2	1.6	85.0	0.55	<0.05	1.4	0.276	0.87	8.4
G075431		246	0.7	0.002	>10.0	11.90	0.4	1	4.5	45.9	<0.05	0.11	<0.2	<0.005	1.20	4.0
G075432		10.0	0.3	<0.002	0.07	0.84	0.2	2	0.2	53.2	<0.05	<0.05	<0.2	<0.005	0.06	7.0
G075433		13.3	0.3	<0.002	0.04	0.94	0.2	1	0.3	55.6	<0.05	<0.05	<0.2	<0.005	0.04	7.3
G075434		36.7	0.9	<0.002	1.31	7.39	0.3	2	1.3	70.0	<0.05	<0.05	<0.2	<0.005	0.07	11.6
G075435		7560	0.4	0.009	>10.0	570	0.1	3	60.8	17.5	<0.05	0.36	<0.2	<0.005	1.31	3.3
G075436		54.5	0.6	<0.002	1.21	6.50	0.2	2	2.1	67.6	<0.05	<0.05	<0.2	<0.005	0.12	4.0
G075437		11.2	0.3	<0.002	0.04	1.82	0.1	2	0.5	78.2	<0.05	<0.05	<0.2	<0.005	0.02	3.3
G075438		2.8	0.3	<0.002	0.03	0.91	0.2	2	0.2	67.9	<0.05	<0.05	<0.2	<0.005	0.02	1.7
G075439		4.9	0.3	<0.002	0.04	0.81	0.2	1	0.2	62.9	<0.05	<0.05	<0.2	<0.005	0.03	2.1
G075440		947	2.5	<0.002	0.28	103.0	0.5	1	9.8	80.4	<0.05	<0.05	0.2	0.010	0.26	7.1
G075441		>10000	1.6	0.046	>10.0	2900	0.2	13	500	21.0	<0.05	1.56	<0.2	<0.005	8.12	1.8
G075442		>10000	4.0	0.002	2.54	6490	0.1	8	82.5	23.9	<0.05	0.34	<0.2	<0.005	1.21	1.3
G075443		>10000	4.5	0.005	>10.0	5150	<0.1	24	>500	6.7	<0.05	1.61	0.2	0.005	2.22	5.3
G075444		19.7	1.9	<0.002	0.01	1.99	0.3	1	0.3	46.4	<0.05	<0.05	<0.2	0.005	<0.02	0.4
G075445		894	4.9	0.003	1.29	1750	0.4	5	79.4	59.9	<0.05	0.36	0.3	0.006	0.86	12.5
G075446		>10000	245	0.020	>10.0	235	7.5	51	20.4	136.0	0.47	0.05	5.4	0.229	4.48	5.0
G075447		60.5	5.3	0.005	0.36	3.59	0.6	1	2.4	78.5	0.06	<0.05	0.5	0.016	0.22	5.8



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

To: ATAC RESOURCES LTD.
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8

Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 18- JUL- 2011
 Account: RCM

Project: Rau- Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11115569

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001	Zn- VOL50 Zn % 0.01
G075412		7	19.4	1.9	>10000	0.6			3.50	
G075413		8	22.2	1.2	>10000	<0.5			4.68	
G075414		8	21.2	1.7	>10000	6.7			>30.0	34.74
G075415		19	23.5	0.7	>10000	4.3		1.670	21.4	
G075416		2	0.2	1.2	586	0.6				
G075417		12	1.9	0.8	2550	1.4		2.84		
G075418		21	2.3	4.0	>10000	2.1			1.350	
G075419		16	7.4	7.8	>10000	32.5			1.405	
G075420		22	2.3	3.8	476	2.1				
G075421		34	0.9	4.6	281	2.9				
G075422		200	1.7	15.0	136	62.9				
G075423		194	2.7	14.5	545	31.5				
G075424		178	1.3	10.9	196	29.9				
G075425		176	1.6	11.3	144	38.1				
G075426		74	1.2	9.9	239	47.9				
G075427		104	1.2	13.3	126	46.8				
G075428		41	4.0	9.5	>10000	23.6	143	4.81	4.77	
G075429		18	0.2	5.4	90	2.0				
G075430		67	1.5	10.0	296	32.1				
G075431		10	0.6	2.2	368	0.8				
G075432		5	0.1	1.4	61	0.7				
G075433		5	0.1	1.6	68	0.7				
G075434		10	0.7	2.7	159	1.1				
G075435		3	1.6	0.9	4340	<0.5				
G075436		6	0.4	1.0	2370	0.7				
G075437		6	0.1	0.7	36	0.5				
G075438		5	0.1	0.7	29	<0.5				
G075439		6	0.1	1.2	36	0.6				
G075440		9	0.6	2.6	658	2.8				
G075441		7	3.0	1.2	6970	1.0	231	2.96		
G075442		9	1.0	0.7	>10000	1.3	908	1.915	1.195	
G075443		14	1.8	0.8	>10000	3.8	818	9.07	26.4	
G075444		2	0.1	1.1	69	0.5				
G075445		24	1.5	3.2	1040	4.2	237			
G075446		75	5.8	10.9	>10000	48.0	659	1.835	2.65	
G075447		17	0.6	2.3	143	4.8				



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rau- Tiger (Ocelot)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 18- JUL- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11115569

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 21- JUL- 2011
Account: RCM

CERTIFICATE WH11118093

Project: Rackla Gold Tiger (Ocelot)

P.O. No.: Batch 13- Area L

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26- JUN- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUL- 2011
Account: RCM

Project: Rackla Gold Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11118093

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G075484		5.15	0.02	0.05	1.21	9	920	0.53	0.05	17.70	0.08	13.95	2.5	12	1.56	9.3
G075485		5.11	<0.01	0.06	0.59	10	240	0.22	0.04	17.00	0.15	8.30	2.0	8	0.68	7.2
G075486		10.92	<0.01	0.04	0.77	15	470	0.31	0.04	17.10	0.09	11.55	1.8	8	0.65	5.4
G075487		8.62	<0.01	0.16	0.30	16	550	0.19	0.01	19.85	12.75	4.29	2.0	7	0.32	11.7
G075488		4.06	<0.01	4.97	0.39	358	310	0.24	0.32	18.85	78.2	8.50	2.2	7	0.37	259
G075489		3.19	0.05	59.8	0.26	2420	60	0.13	0.17	0.74	646	6.34	1.5	5	0.27	243
G075490		7.22	<0.01	0.07	0.06	6	10	0.06	0.04	20.3	0.75	1.30	1.2	1	0.14	2.6
G075491		2.28	0.05	24.7	0.45	1780	40	0.24	0.67	9.59	640	7.40	1.6	12	0.43	1365
G075492		3.66	0.03	3.73	0.23	839	50	0.12	0.07	11.65	138.0	2.31	1.5	10	0.29	126.5
G075493		10.07	<0.01	0.07	0.27	9	60	0.13	0.01	19.80	8.93	5.41	2.3	9	0.20	3.4
G075494		0.24	0.09	60.6	4.79	2620	560	0.94	4.30	6.78	122.5	28.9	14.3	40	3.10	979
G075495		2.14	0.05	4.41	0.05	1650	20	<0.05	0.07	12.95	143.0	1.64	1.2	3	0.23	82.6
G075496		5.32	<0.01	0.15	0.31	6	30	0.13	0.02	19.45	0.50	4.88	2.5	12	0.87	4.2
G075497		11.39	<0.01	0.05	0.24	<5	190	0.15	0.01	20.6	0.36	5.17	1.9	5	0.35	4.0
G075498		5.20	<0.01	0.05	0.34	5	260	0.20	0.02	19.60	0.24	5.88	2.3	6	0.55	4.9
G075499		10.90	<0.01	0.03	0.20	<5	40	0.11	0.01	20.6	0.24	5.15	1.8	4	0.25	5.9
G075500		10.72	<0.01	0.02	0.07	<5	10	0.07	0.01	21.0	0.13	3.68	1.4	3	0.11	2.1
I383001		11.40	<0.01	0.01	0.03	<5	10	0.05	<0.01	20.1	0.12	2.47	1.3	2	0.05	1.5
I383002		7.58	<0.01	0.02	0.04	<5	10	0.08	<0.01	20.5	0.12	2.79	1.3	2	0.11	1.7
I383003		2.30	<0.01	0.04	0.11	<5	10	0.06	0.01	20.2	0.12	4.40	1.5	3	0.30	2.0
I383004		2.52	<0.01	0.04	0.64	9	130	0.24	0.03	18.55	0.14	11.45	3.4	7	0.60	5.0
I383005		0.24	0.22	>100	3.89	5810	510	1.02	10.70	12.30	303	34.6	21.9	24	4.70	2190
I383006		8.72	<0.01	0.10	6.69	12.4	1450	2.08	0.33	4.10	0.07	75.6	11.6	47	5.14	19.6
I383007		10.31	<0.01	0.05	6.91	9.5	1050	1.82	0.33	5.90	0.08	74.9	14.3	47	5.01	29.2
I383008		4.38	<0.01	0.03	7.75	6.6	1300	2.71	0.32	0.96	0.03	88.9	15.8	71	11.05	34.1
I383009		5.65	<0.01	0.12	6.09	14.8	530	1.78	0.36	5.62	0.06	63.8	12.9	47	8.93	26.8
I383010		10.01	<0.01	0.06	0.44	8	2390	0.19	0.02	15.15	0.15	7.76	1.6	8	0.55	4.7
I383011		8.43	<0.01	0.01	0.35	<5	400	0.20	0.02	17.00	0.12	6.07	1.5	7	0.32	3.8
I383012		3.66	<0.01	0.01	0.81	8	1140	0.48	0.03	19.15	0.05	9.10	2.4	11	0.79	4.8
I383013		4.44	<0.01	0.01	0.24	6	360	0.18	0.01	10.90	0.05	5.32	1.1	11	0.22	3.0
I383014		11.32	<0.01	0.01	0.10	<5	150	0.09	0.01	17.75	0.16	4.61	1.2	4	0.14	2.8
I383015		5.21	<0.01	0.03	0.09	9	200	0.09	0.01	19.25	0.12	4.88	1.4	3	0.23	2.6
I383016		3.16	<0.01	0.10	0.47	9	900	0.32	0.02	17.75	0.09	8.05	1.7	6	0.45	3.9
I383017		6.98	<0.01	0.06	0.33	7	890	0.22	0.03	19.45	0.23	11.90	1.8	6	0.37	3.9
I383018		4.13	0.01	0.15	0.39	6	1180	0.28	0.03	18.55	0.46	8.22	1.7	5	0.35	3.9
I383019		7.84	<0.01	<0.01	0.08	<5	20	0.05	0.06	21.6	0.07	1.77	1.5	1	0.28	2.1



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUL- 2011
Account: RCM

Project: Rackla Gold Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11118093

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G075484		0.73	3.20	0.14	0.5	0.011	0.49	7.5	13.5	10.60	439	0.89	0.03	1.8	6.4	430
G075485		0.43	1.79	0.22	0.3	0.010	0.20	4.2	10.0	10.60	376	0.46	<0.01	1.1	6.1	570
G075486		0.42	2.09	0.23	0.4	0.010	0.27	6.0	10.4	10.75	207	0.75	<0.01	1.5	5.1	600
G075487		0.44	1.03	0.33	0.2	0.179	0.12	2.2	4.4	12.35	205	1.01	<0.01	1.6	13.5	130
G075488		1.72	7.44	0.12	0.2	13.10	0.17	6.2	6.0	11.65	769	1.92	<0.01	1.9	7.7	190
G075489		30.2	29.6	0.39	0.2	33.3	0.13	5.3	3.0	0.41	146	0.61	<0.01	1.3	5.4	<10
G075490		0.46	0.32	0.35	<0.1	0.072	0.02	0.6	1.9	12.70	194	0.10	<0.01	0.3	1.5	190
G075491		13.25	39.1	0.25	0.3	135.0	0.13	4.9	5.6	5.97	312	2.82	<0.01	1.3	7.4	480
G075492		6.80	8.03	0.13	0.1	31.9	0.09	1.2	12.0	7.40	315	0.63	<0.01	0.9	4.4	50
G075493		0.40	0.77	0.32	0.2	0.083	0.12	2.7	5.0	11.90	157	3.25	0.01	1.5	5.6	40
G075494		3.71	11.30	0.12	1.4	0.084	1.32	14.6	32.1	0.68	2670	5.76	1.24	4.5	28.2	620
G075495		13.35	5.60	0.24	<0.1	22.4	0.01	1.2	1.3	7.84	1360	0.50	0.01	0.6	4.7	20
G075496		0.47	0.85	0.28	0.2	0.042	0.09	2.5	5.6	11.65	264	0.74	0.01	1.1	6.5	310
G075497		0.24	0.87	0.58	0.1	0.034	0.08	2.7	5.0	12.30	250	1.19	0.01	0.7	3.9	220
G075498		0.28	1.08	0.55	0.2	0.010	0.11	3.1	5.6	11.75	256	2.05	0.01	0.9	5.6	280
G075499		0.19	0.80	0.83	0.1	0.015	0.03	2.8	5.8	12.50	257	0.45	0.01	0.6	4.2	440
G075500		0.11	0.47	0.77	<0.1	0.007	0.01	2.1	3.4	12.75	185	0.19	0.01	0.3	2.3	270
I383001		0.10	0.37	0.73	<0.1	0.009	0.01	1.5	2.5	12.10	144	0.21	0.01	0.2	2.1	60
I383002		0.15	0.42	0.74	<0.1	0.008	0.01	1.6	2.6	12.30	203	0.16	0.01	0.3	2.4	90
I383003		0.13	0.56	0.73	0.1	0.006	0.03	2.5	2.5	12.15	182	0.40	0.01	0.8	2.6	130
I383004		0.96	1.81	0.21	0.2	0.010	0.34	6.2	4.5	11.25	533	0.41	0.02	1.4	4.4	240
I383005		4.68	10.45	0.18	1.0	0.141	1.65	17.9	30.4	0.59	5570	4.91	0.17	4.4	19.2	750
I383006		3.30	16.95	0.20	1.6	0.053	3.51	39.1	14.9	2.90	255	0.35	0.08	10.1	30.3	360
I383007		3.94	17.20	0.20	1.7	0.060	3.53	39.4	14.7	3.88	398	0.41	0.08	10.4	37.5	490
I383008		3.56	24.9	0.22	1.9	0.085	4.04	45.6	25.0	1.72	123	0.22	0.08	11.5	35.3	390
I383009		6.26	16.25	0.23	1.6	0.055	2.69	35.3	18.4	3.58	486	0.55	0.06	8.2	31.9	550
I383010		0.38	1.14	0.05	0.2	0.020	0.05	3.9	6.1	9.34	619	0.45	0.01	0.8	2.6	630
I383011		0.28	1.10	0.11	0.2	0.005	0.09	3.3	5.3	10.60	295	0.65	0.01	0.6	2.9	450
I383012		0.48	2.57	0.15	0.3	0.007	0.37	4.7	7.5	11.90	399	0.54	0.02	1.5	4.9	410
I383013		0.25	0.97	0.17	0.1	<0.005	0.11	2.6	3.0	6.42	346	0.38	0.01	0.5	1.8	270
I383014		0.14	0.60	0.20	0.1	0.005	0.04	2.2	3.2	11.10	333	0.17	0.01	0.3	0.6	520
I383015		0.16	0.73	0.27	0.1	0.019	0.04	2.4	3.0	12.05	401	0.28	0.01	0.3	2.0	450
I383016		0.36	1.91	0.25	0.2	0.014	0.21	4.1	5.2	11.15	328	0.88	0.02	0.8	3.7	380
I383017		0.35	1.47	0.22	0.2	0.011	0.14	6.6	4.1	12.05	353	0.90	0.01	0.8	4.0	610
I383018		0.34	1.70	0.22	0.2	0.021	0.16	4.2	4.7	11.60	450	0.62	0.02	0.7	3.4	670
I383019		0.46	0.60	0.22	<0.1	0.006	0.04	0.8	1.6	13.50	198	0.13	0.01	0.3	1.6	220



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUL- 2011
Account: RCM

Project: Rackla Gold Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11118093

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
G075484		8.3	24.7	0.011	0.74	2.36	2.5	1	0.5	107.5	0.12	<0.05	2.2	0.045	0.55	3.7
G075485		16.3	11.6	0.006	0.41	1.29	1.3	1	0.3	96.1	0.07	<0.05	1.2	0.025	0.35	3.1
G075486		11.0	13.3	0.003	0.45	0.84	1.7	1	0.3	97.2	0.10	<0.05	1.7	0.035	0.18	2.0
G075487		40.4	6.5	0.007	0.31	2.22	0.9	2	0.8	80.2	0.08	<0.05	0.5	0.025	0.18	3.2
G075488		1110	8.5	0.006	1.85	45.0	1.3	3	19.4	68.6	0.10	<0.05	0.8	0.035	0.26	6.2
G075489		>10000	9.8	0.002	>10.0	100.5	0.3	11	180.0	3.2	0.06	0.45	0.5	0.021	0.34	1.7
G075490		18.1	1.4	<0.002	0.05	0.23	0.2	1	0.3	44.4	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
G075491		6690	8.3	0.009	>10.0	147.0	1.4	27	144.0	38.8	0.07	0.30	1.2	0.030	0.63	16.6
G075492		312	6.2	0.002	9.73	31.7	0.5	3	51.4	29.7	<0.05	0.08	0.3	0.014	0.23	3.0
G075493		21.7	4.8	0.003	0.34	1.04	0.9	1	0.2	48.1	0.08	<0.05	0.7	0.023	0.25	3.2
G075494		>10000	66.9	0.002	2.77	57.0	9.2	4	3.1	428	0.33	0.17	4.5	0.203	0.74	2.1
G075495		254	0.8	0.009	>10.0	16.30	0.2	4	38.6	29.3	<0.05	0.65	<0.2	<0.005	1.25	1.6
G075496		16.2	11.7	0.004	0.34	1.55	0.8	1	0.7	128.5	0.06	<0.05	0.6	0.028	0.39	3.6
G075497		5.7	4.9	0.003	0.15	0.66	0.6	1	0.2	72.2	<0.05	<0.05	0.6	0.014	0.16	2.1
G075498		6.5	6.7	0.006	0.22	0.82	0.8	1	0.2	68.1	0.05	<0.05	0.8	0.020	0.22	2.7
G075499		6.2	2.7	0.002	0.14	0.60	0.5	1	<0.2	73.6	<0.05	<0.05	0.5	0.013	0.11	2.3
G075500		4.1	1.3	<0.002	0.04	0.26	0.2	1	<0.2	61.4	<0.05	<0.05	0.2	0.005	0.04	1.5
I383001		2.1	0.5	<0.002	0.02	0.18	0.2	1	<0.2	53.1	<0.05	<0.05	<0.2	<0.005	0.02	1.6
I383002		4.5	1.1	<0.002	0.03	0.52	0.2	1	<0.2	70.8	<0.05	<0.05	<0.2	<0.005	0.06	1.6
I383003		3.8	3.4	<0.002	0.08	0.58	0.3	<1	<0.2	80.2	<0.05	<0.05	0.2	0.011	0.16	1.5
I383004		11.4	12.6	<0.002	0.90	1.01	1.5	1	0.3	101.5	0.09	<0.05	1.1	0.028	0.18	1.9
I383005		>10000	103.0	0.003	6.66	132.5	5.9	9	3.7	610	0.35	0.38	5.6	0.133	1.26	2.7
I383006		17.4	82.3	0.002	3.48	2.57	12.9	2	2.2	44.4	0.66	<0.05	12.3	0.297	0.93	4.7
I383007		17.1	106.0	0.002	3.83	2.10	13.2	2	1.9	64.8	0.81	<0.05	12.8	0.294	1.02	4.4
I383008		6.9	135.5	0.003	1.91	3.20	18.2	2	2.8	20.7	0.88	<0.05	16.0	0.334	2.01	13.4
I383009		43.2	94.2	0.005	5.74	5.17	12.4	2	1.9	70.7	0.63	<0.05	11.7	0.236	1.76	4.4
I383010		4.8	2.6	0.002	0.37	1.44	1.0	2	0.2	82.8	0.05	<0.05	1.0	0.019	0.27	3.2
I383011		3.3	4.2	0.002	0.24	0.56	0.8	2	<0.2	67.2	<0.05	<0.05	0.8	0.015	0.14	3.7
I383012		4.9	14.2	0.003	0.53	0.60	1.7	2	0.2	91.2	0.10	<0.05	1.5	0.036	0.31	1.6
I383013		2.2	3.8	<0.002	0.14	0.62	0.6	2	<0.2	45.2	<0.05	<0.05	0.8	0.012	0.09	1.1
I383014		3.5	1.6	<0.002	0.09	0.34	0.4	2	<0.2	61.8	<0.05	<0.05	0.4	0.005	0.06	2.9
I383015		6.6	2.0	<0.002	0.11	0.40	0.4	2	0.5	74.5	<0.05	<0.05	0.3	0.005	0.07	1.5
I383016		20.2	8.2	0.002	0.35	0.62	1.1	2	0.9	75.3	0.06	<0.05	1.1	0.020	0.17	1.6
I383017		10.2	7.6	0.002	0.35	0.75	0.9	2	0.8	88.5	0.05	<0.05	1.0	0.019	0.19	2.3
I383018		5.2	6.4	0.002	0.38	1.21	1.0	2	0.4	90.4	0.05	<0.05	0.9	0.017	0.27	1.8
I383019		1.4	2.2	<0.002	0.01	<0.05	0.4	2	<0.2	51.8	<0.05	<0.05	<0.2	<0.005	0.02	0.7



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21- JUL- 2011
Account: RCM

Project: Rackla Gold Tiger (Ocelot)

CERTIFICATE OF ANALYSIS WH11118093

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
G075484		21	0.5	5.3	51	17.2			
G075485		14	0.3	4.8	66	10.0			
G075486		14	0.3	4.7	29	12.5			
G075487		26	0.2	2.0	1140	6.3			
G075488		18	1.2	2.3	5150	9.1			
G075489		11	2.3	0.6	>10000	5.5		1.790	14.10
G075490		1	0.1	0.9	171	<0.5			
G075491		33	8.5	2.2	>10000	11.1			7.95
G075492		14	2.5	1.1	>10000	4.0			2.80
G075493		6	0.1	1.9	807	6.4			
G075494		60	9.8	13.2	>10000	39.2		1.920	1.960
G075495		13	0.5	0.9	>10000	1.0			3.29
G075496		21	0.3	2.3	1060	7.5			
G075497		16	0.2	1.7	389	4.5			
G075498		23	0.2	1.8	374	6.6			
G075499		17	0.1	1.9	212	3.6			
G075500		9	0.1	1.3	196	1.3			
I383001		8	<0.1	0.8	282	0.6			
I383002		10	0.1	1.0	442	0.9			
I383003		8	0.2	1.2	144	2.6			
I383004		14	0.2	4.6	291	7.9			
I383005		38	4.5	9.6	>10000	23.3	150	4.85	4.70
I383006		55	1.2	10.3	122	54.8			
I383007		58	1.3	14.7	93	58.4			
I383008		101	2.1	12.4	104	66.7			
I383009		67	2.7	16.0	118	57.3			
I383010		10	0.5	3.3	55	7.7			
I383011		14	0.3	2.8	25	5.9			
I383012		12	0.4	2.8	37	11.4			
I383013		6	0.2	1.7	32	4.4			
I383014		13	0.1	2.5	34	2.4			
I383015		10	0.1	2.9	36	2.1			
I383016		8	0.2	2.9	31	7.7			
I383017		15	0.2	5.3	87	7.1			
I383018		9	0.3	4.6	298	7.0			
I383019		2	0.1	1.0	19	0.5			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold Tiger (Ocelot)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21- JUL- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11118093

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**

C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**1016- 510 W HASTINGS ST
 VANCOUVER BC V6B 1L8**

Page: 1
Finalized Date: 2- AUG- 2011
Account: RCM

CERTIFICATE WH11126626

Project: Rackla Gold (Tiger)

P.O. No.: Batch 14- Area L

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6- JUL- 2011.

The following have access to data associated with this certificate:

ROB CARNE
 JULIA LANE

ANDREW CARNE
 JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11126626

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I383020		5.06	0.03	91.1	0.62	19.4	90	0.26	0.56	2.57	382	4.44	2.0	28	2.01	59.7
I383021		7.51	0.01	0.04	0.08	5	20	0.06	0.02	20.7	0.21	1.56	0.9	<1	0.34	2.2
I383022		5.84	0.02	42.8	0.25	23.3	240	0.23	2.13	0.25	59.4	0.88	1.6	12	0.80	146.5
I383023		2.44	0.02	37.9	0.31	23.3	290	0.24	2.11	0.23	73.1	1.33	1.6	10	0.85	108.5
I383024		2.06	0.02	71.5	0.43	30.0	2310	0.31	10.70	2.64	29.8	2.62	1.0	21	1.25	580
I383025		8.53	<0.01	0.12	0.14	5	670	0.12	0.02	17.90	0.30	4.20	1.2	3	0.18	1.7
I383026		4.95	<0.01	0.44	0.32	12	720	0.16	0.04	16.30	0.86	9.93	1.6	5	0.38	4.3
I383027		6.49	0.01	0.03	0.49	9	370	0.20	0.04	17.25	0.06	9.65	1.8	5	0.24	2.9
I383028		3.86	0.01	0.02	0.45	<5	200	0.17	0.02	17.65	0.03	7.39	1.7	4	0.24	3.7
I383029		3.04	<0.01	0.02	0.36	8	140	0.18	0.02	17.30	0.05	6.26	1.7	8	0.43	2.6
I383030		8.30	<0.01	0.01	0.24	5	430	0.21	0.01	16.80	0.03	4.86	1.3	6	0.24	2.2
I383031		0.28	0.23	>100	3.98	6060	490	0.93	10.80	12.25	313	39.1	20.3	26	4.80	2270
I383032		8.44	<0.01	0.01	0.36	10	280	0.11	0.02	16.85	0.02	6.55	1.1	2	0.43	3.2
I383033		2.64	<0.01	0.02	0.04	<5	50	<0.05	0.01	14.05	0.03	2.42	0.8	9	0.07	1.2
I383034		6.98	0.01	0.01	0.34	5	810	0.21	0.02	15.50	0.03	5.81	1.3	5	0.32	2.1
I383035		6.44	0.01	0.01	0.35	<5	1440	0.17	0.01	16.00	0.03	6.56	1.4	5	0.51	1.9
I383036		3.85	<0.01	0.01	0.69	8	3670	0.29	0.02	14.70	0.03	10.10	1.9	8	0.16	2.7
I383037		3.38	<0.01	0.01	0.24	<5	2200	0.10	0.01	19.30	0.03	4.04	1.6	3	0.07	1.4
I383038		8.44	<0.01	<0.01	0.03	<5	120	<0.05	<0.01	20.3	<0.02	0.55	1.0	5	<0.05	0.7
I383039		2.93	0.01	<0.01	0.03	5	170	0.05	<0.01	18.90	<0.02	0.70	0.9	1	<0.05	0.2
I383040		4.02	0.01	0.01	0.07	9	200	0.07	<0.01	18.55	<0.02	1.41	1.1	2	0.05	1.2
I383041		1.39	<0.01	0.46	0.28	6	680	0.15	0.01	16.75	0.23	2.56	1.3	4	0.71	1.4
I383042		7.78	<0.01	<0.01	0.05	<5	20	0.07	0.02	20.4	0.06	1.12	1.5	2	0.25	0.8
I383043		3.53	<0.01	0.77	0.13	7	280	0.07	<0.01	18.10	<0.02	2.31	1.1	4	0.29	1.3
I383044		8.18	<0.01	0.01	0.12	<5	890	<0.05	<0.01	20.3	<0.02	3.43	1.2	2	<0.05	0.3
I383045		3.15	<0.01	0.01	0.07	5	170	0.06	<0.01	18.20	0.61	1.70	1.1	3	<0.05	0.5
I383046		4.25	<0.01	<0.01	0.03	6	80	<0.05	<0.01	19.80	0.02	0.72	1.0	1	<0.05	<0.2
I383047		0.27	0.09	64.7	5.05	2820	580	0.90	4.30	6.87	132.5	30.5	13.7	41	2.89	1045
I383048		7.01	0.01	0.12	0.27	8	410	0.16	0.02	19.10	12.15	5.25	1.7	9	0.24	2.8
I383049		4.56	0.01	0.18	0.25	13	180	0.16	0.02	17.00	44.7	7.14	2.9	5	0.55	3.2
I383050		5.68	<0.01	0.14	0.13	17	70	0.16	0.01	17.15	48.7	5.55	2.9	4	0.53	1.9
I383051		2.06	0.01	0.25	0.23	64	110	0.15	0.02	17.05	51.8	8.08	2.9	5	1.21	3.5
I383052		4.74	<0.01	0.06	0.39	12	240	0.21	0.02	17.85	3.63	8.04	2.6	4	0.79	3.0
I383053		3.66	<0.01	0.04	5.74	16.2	480	1.60	0.31	7.21	0.21	65.9	14.2	37	6.01	17.2
I383054		10.27	0.01	0.06	6.62	5.1	820	2.09	0.33	4.44	0.15	90.5	17.4	50	5.87	32.6
I383055		10.31	<0.01	<0.01	0.03	<5	60	<0.05	<0.01	19.35	0.02	0.50	0.9	1	<0.05	<0.2



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11126626

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I383020		0.96	4.07	<0.05	0.5	0.924	0.25	2.2	14.4	1.38	325	1.85	0.01	2.1	10.5	640
I383021		0.48	0.35	0.15	<0.1	<0.005	0.03	0.8	1.1	13.00	203	0.11	<0.01	0.3	2.3	190
I383022		0.67	1.91	<0.05	0.1	0.444	0.05	<0.5	10.6	0.12	43	0.49	0.01	0.5	6.4	300
I383023		0.68	2.29	<0.05	0.2	0.456	0.06	0.7	10.9	0.12	39	0.50	0.01	0.6	6.2	330
I383024		0.71	1.85	<0.05	0.2	4.88	0.14	1.9	15.8	1.43	343	0.60	0.02	0.7	2.8	240
I383025		0.16	0.54	0.05	0.1	0.013	0.05	2.3	2.5	11.25	288	0.23	0.01	0.4	<0.2	220
I383026		0.32	0.99	<0.05	0.2	0.137	0.07	4.8	4.7	10.15	314	0.50	0.01	0.8	0.4	590
I383027		0.33	1.37	<0.05	0.3	0.006	0.04	5.4	6.3	10.85	234	0.70	0.01	1.2	2.1	320
I383028		0.28	1.23	<0.05	0.2	<0.005	0.03	3.9	5.8	11.30	216	0.39	0.01	0.9	0.8	170
I383029		0.26	1.03	<0.05	0.2	<0.005	0.04	3.4	4.1	10.85	306	0.34	0.01	0.8	4.8	230
I383030		0.17	0.94	0.13	0.1	<0.005	0.07	2.6	3.9	10.50	153	0.19	0.01	0.7	0.6	170
I383031		4.66	10.15	0.06	1.0	0.177	1.66	20.7	20.8	0.59	5580	4.69	0.17	4.7	18.3	780
I383032		0.24	1.12	0.23	0.2	<0.005	0.09	3.3	4.3	10.80	137	0.26	<0.01	0.7	2.2	150
I383033		0.13	0.25	0.05	<0.1	<0.005	0.01	1.3	2.2	8.79	102	0.13	0.01	0.3	0.8	110
I383034		0.22	1.25	0.07	0.2	<0.005	0.14	3.1	4.4	9.74	101	0.66	0.02	0.8	1.7	200
I383035		0.25	1.36	0.10	0.2	<0.005	0.06	3.8	5.0	10.25	143	0.34	0.02	0.9	0.6	270
I383036		0.43	1.37	<0.05	0.3	<0.005	0.02	5.8	15.7	9.14	428	0.50	0.04	1.4	2.6	170
I383037		0.17	0.59	0.14	0.1	<0.005	<0.01	2.1	4.9	12.35	363	0.38	0.03	1.4	1.1	250
I383038		0.03	0.38	0.17	<0.1	<0.005	<0.01	<0.5	1.5	13.10	119	0.08	0.01	0.2	<0.2	70
I383039		0.03	0.39	0.16	<0.1	<0.005	<0.01	<0.5	1.5	12.15	146	0.07	0.01	0.2	<0.2	60
I383040		0.06	0.45	0.18	<0.1	<0.005	<0.01	0.7	2.1	11.90	227	0.13	0.01	0.3	1.0	150
I383041		0.21	0.74	0.16	0.2	0.049	0.02	1.3	5.1	10.65	343	0.33	0.01	1.3	3.6	300
I383042		0.46	0.49	0.15	<0.1	<0.005	0.02	0.6	1.1	12.85	205	0.06	<0.01	0.4	1.5	170
I383043		0.13	0.61	0.21	0.1	<0.005	0.03	1.2	2.6	11.55	160	0.23	0.01	0.7	1.4	160
I383044		0.07	0.50	0.20	0.1	<0.005	<0.01	1.8	2.4	13.10	110	0.11	0.01	0.9	0.8	150
I383045		0.09	0.52	0.22	0.1	<0.005	<0.01	0.9	2.6	11.60	100	0.11	0.01	0.4	0.6	100
I383046		0.04	0.45	0.21	<0.1	<0.005	<0.01	<0.5	1.6	12.65	79	0.07	0.01	0.3	0.5	80
I383047		3.73	11.20	0.07	1.5	0.088	1.37	15.9	18.1	0.70	2780	5.21	1.24	4.6	28.7	650
I383048		0.59	0.98	<0.05	0.2	0.074	0.12	3.1	2.3	12.10	382	0.29	0.02	1.1	2.8	190
I383049		3.26	1.15	<0.05	0.2	0.113	0.11	4.2	2.2	10.50	952	0.99	0.01	1.1	7.4	320
I383050		5.08	0.69	<0.05	0.1	0.108	0.05	3.4	2.0	10.70	1300	0.41	0.01	0.5	5.9	180
I383051		4.46	1.25	<0.05	0.2	0.485	0.09	5.1	2.5	10.55	1770	0.76	0.01	0.9	6.7	440
I383052		1.99	1.33	<0.05	0.2	0.021	0.18	4.6	2.6	11.00	708	0.80	0.01	1.3	3.9	710
I383053		4.35	14.65	0.07	1.0	0.048	2.83	34.5	13.6	4.54	485	0.47	0.06	9.1	29.9	280
I383054		3.29	18.45	0.12	1.9	0.061	3.55	47.4	14.6	2.81	397	0.24	0.07	10.0	32.0	1170
I383055		0.05	0.25	0.06	<0.1	<0.005	0.01	<0.5	0.7	12.40	62	0.05	0.01	0.2	<0.2	60



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11126626

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
I383020		>10000	15.0	0.009	4.75	173.5	0.3	10	57.7	26.3	0.10	0.07	0.6	0.046	5.05	1.8
I383021		5.2	2.8	<0.002	0.01	0.10	0.2	1	<0.2	47.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.7
I383022		7120	4.7	0.003	1.04	215	0.1	4	14.0	184.5	<0.05	0.06	<0.2	0.014	1.70	0.7
I383023		6280	5.3	0.004	1.03	176.5	0.2	4	15.0	188.0	<0.05	0.07	<0.2	0.017	1.71	0.7
I383024		7470	9.3	0.003	0.86	610	0.4	6	43.2	22.4	<0.05	0.07	0.5	0.016	0.92	0.8
I383025		10.2	3.2	<0.002	0.13	1.08	0.5	2	0.2	106.0	<0.05	<0.05	0.4	0.006	0.11	1.3
I383026		22.5	4.8	<0.002	0.30	2.26	0.9	2	0.4	95.5	<0.05	<0.05	1.0	0.015	0.11	1.8
I383027		5.4	2.9	0.003	0.33	0.62	1.3	2	0.2	110.5	0.07	<0.05	1.4	0.027	0.10	2.2
I383028		5.1	2.7	0.002	0.30	0.55	1.1	2	0.3	132.0	0.05	<0.05	1.1	0.020	0.08	2.9
I383029		4.5	2.9	0.003	0.28	0.69	0.7	2	<0.2	112.5	<0.05	<0.05	0.8	0.017	0.19	1.4
I383030		2.8	3.9	<0.002	0.15	0.32	0.6	2	<0.2	87.0	<0.05	<0.05	0.7	0.013	0.08	1.3
I383031		>10000	108.5	0.003	6.84	143.0	5.2	12	3.6	595	0.32	0.48	5.3	0.138	1.44	2.6
I383032		2.0	4.8	<0.002	0.24	0.25	0.7	1	<0.2	83.1	<0.05	<0.05	0.9	0.017	0.08	0.7
I383033		3.4	0.6	<0.002	0.02	0.20	0.2	2	<0.2	44.9	<0.05	<0.05	0.2	<0.005	0.03	0.6
I383034		3.7	5.0	<0.002	0.21	0.27	0.7	2	<0.2	57.3	0.05	<0.05	0.8	0.019	0.14	1.4
I383035		3.2	3.2	<0.002	0.24	0.29	0.8	2	<0.2	69.4	0.05	<0.05	0.9	0.019	0.14	1.3
I383036		3.3	1.3	<0.002	0.56	0.95	1.4	2	<0.2	84.3	0.08	<0.05	1.7	0.038	0.20	1.7
I383037		4.8	0.3	<0.002	0.24	0.58	0.6	2	<0.2	70.2	0.06	<0.05	0.6	0.024	0.14	1.7
I383038		1.0	0.2	<0.002	<0.01	0.08	0.1	2	<0.2	40.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I383039		0.6	0.2	<0.002	<0.01	0.18	0.1	2	<0.2	53.2	<0.05	<0.05	<0.2	<0.005	0.02	0.4
I383040		1.3	0.4	<0.002	0.04	0.34	0.2	2	<0.2	59.3	<0.05	<0.05	<0.2	<0.005	0.04	1.1
I383041		18.1	2.3	0.002	0.17	1.91	0.5	2	0.9	110.5	0.05	<0.05	0.4	0.021	0.28	3.8
I383042		1.5	1.8	<0.002	0.01	<0.05	0.2	2	<0.2	44.9	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I383043		4.2	1.5	<0.002	0.07	0.67	0.3	2	1.6	68.3	<0.05	<0.05	0.4	0.013	0.10	1.3
I383044		0.8	0.3	<0.002	0.08	0.23	0.4	2	<0.2	54.2	<0.05	<0.05	0.3	0.014	0.04	1.1
I383045		1.9	0.3	<0.002	0.02	0.35	0.2	2	<0.2	48.5	<0.05	<0.05	0.2	0.005	0.04	1.7
I383046		0.6	0.1	<0.002	<0.01	0.10	0.1	2	<0.2	42.6	<0.05	<0.05	<0.2	<0.005	<0.02	0.6
I383047		>10000	66.8	0.002	2.79	57.6	8.4	6	2.9	422	0.31	0.19	4.4	0.216	0.83	2.0
I383048		16.0	4.3	<0.002	0.17	1.06	0.6	2	0.5	53.9	0.05	<0.05	0.6	0.018	0.16	5.7
I383049		29.0	5.2	0.011	0.30	2.73	0.6	4	1.5	62.5	0.05	<0.05	0.6	0.019	0.59	9.8
I383050		41.9	2.5	0.014	0.18	2.64	0.3	4	1.2	51.7	<0.05	<0.05	0.3	0.007	0.55	10.5
I383051		30.9	5.6	0.011	0.80	6.94	0.5	4	2.6	59.4	<0.05	<0.05	0.6	0.014	2.47	8.6
I383052		10.2	7.3	<0.002	0.57	1.58	0.7	3	1.0	82.7	0.07	<0.05	0.9	0.023	0.32	4.6
I383053		28.1	95.5	<0.002	4.87	3.51	10.6	2	1.7	96.9	0.61	<0.05	9.9	0.233	1.20	3.3
I383054		24.5	117.5	0.002	2.73	2.89	14.7	2	2.1	85.7	0.69	<0.05	12.9	0.280	1.27	3.6
I383055		<0.5	0.3	<0.002	0.02	0.15	0.2	2	<0.2	31.2	<0.05	<0.05	<0.2	<0.005	0.02	0.4



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2- AUG- 2011
Account: RCM

Project: Rackla Gold (Tiger)

CERTIFICATE OF ANALYSIS WH11126626

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
I383020		8	2.5	1.4	>10000	17.6		1.090	8.03
I383021		<1	0.1	0.9	41	0.5			
I383022		4	1.6	0.4	>10000	5.6			1.245
I383023		4	1.7	0.4	>10000	6.1			1.055
I383024		6	0.9	0.7	6080	6.7			
I383025		5	0.1	2.8	186	2.8			
I383026		7	2.6	5.7	164	6.1			
I383027		9	0.4	4.9	40	8.8			
I383028		7	0.3	3.6	42	7.3			
I383029		7	0.3	2.9	55	6.1			
I383030		5	0.1	2.9	18	4.5			
I383031		40	4.4	10.1	>10000	23.7	151	4.81	4.73
I383032		2	0.2	3.0	7	5.9			
I383033		5	0.1	1.6	14	1.6			
I383034		8	0.2	2.6	10	5.7			
I383035		7	0.2	2.2	19	6.9			
I383036		10	0.6	3.1	30	11.5			
I383037		9	0.3	2.1	34	5.5			
I383038		2	0.1	0.5	23	<0.5			
I383039		3	0.1	0.5	24	0.8			
I383040		6	0.2	0.8	60	1.3			
I383041		12	2.6	1.5	181	6.8			
I383042		2	0.1	0.8	19	<0.5			
I383043		5	4.5	1.0	50	3.2			
I383044		4	0.3	1.1	36	3.0			
I383045		3	0.2	1.1	138	1.6			
I383046		3	<0.1	0.6	28	0.8			
I383047		65	9.8	12.9	>10000	40.2		1.925	1.985
I383048		17	0.2	1.8	2900	5.0			
I383049		22	0.6	3.0	>10000	5.9			1.840
I383050		12	0.5	3.0	>10000	3.0			2.29
I383051		19	0.7	4.5	>10000	6.3			2.20
I383052		25	0.4	3.5	6190	7.6			
I383053		64	1.5	8.7	285	31.3			
I383054		73	1.5	18.5	197	60.9			
I383055		3	<0.1	0.3	43	0.5			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Rackla Gold (Tiger)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 2- AUG- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11126626

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 23- AUG- 2011
Account: RCM

CERTIFICATE WH11136140

Project: RAU- TIGER (Ocelot)

P.O. No.: Batch 15- Area L

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17-JUL- 2011.

The following have access to data associated with this certificate:

ROB CARNE
JULIA LANE

ANDREW CARNE
JOAN MARIACHER

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
CRU- QC	Crushing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
WSH- 21	"Wash" crushers
WSH- 22	"Wash" pulverizers
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Ag- OG62	Ore Grade Ag - Four Acid	VARIABLE
Pb- OG62	Ore Grade Pb - Four Acid	VARIABLE
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: MATT DUMALA
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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.

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: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- AUG- 2011
Account: RCM

Project: RAU- TIGER (Ocelot)

CERTIFICATE OF ANALYSIS WH11136140

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA26 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
I383056		6.94	<0.01	0.01	0.05	<5	10	<0.05	<0.01	20.5	0.02	1.15	0.8	4	0.05	3.6
I383057		3.90	0.01	<0.01	0.47	<5	1980	0.23	0.01	19.55	0.13	12.40	1.6	5	0.56	5.2
I383058		10.94	<0.01	0.02	0.28	5	330	0.08	0.01	20.1	0.04	6.98	1.2	4	0.13	2.3
I383059		2.26	<0.01	<0.01	1.47	11	2260	0.27	0.07	18.80	0.05	33.3	3.3	14	0.14	5.5
I383060		8.04	<0.01	<0.01	0.27	<5	590	0.07	0.02	20.6	0.05	5.92	1.3	4	0.05	2.1
I383061		8.86	<0.01	<0.01	0.12	<5	410	<0.05	<0.01	20.6	<0.02	2.25	1.0	2	<0.05	1.3
I383062		10.00	<0.01	<0.01	0.03	9	50	<0.05	<0.01	18.90	<0.02	0.74	0.9	2	<0.05	2.3
I383063		10.40	<0.01	0.44	0.05	<5	410	0.05	<0.01	19.90	0.02	1.36	1.0	4	<0.05	1.8
I383064		0.30	0.10	59.6	4.96	2770	570	0.72	4.11	6.69	127.0	30.6	11.8	46	3.05	1020
I383065		5.64	0.01	<0.01	0.08	<5	100	0.06	0.01	19.85	<0.02	1.73	0.8	<1	<0.05	1.2
I383066		4.62	<0.01	0.01	0.07	<5	140	0.05	<0.01	20.8	<0.02	2.71	0.9	3	<0.05	1.0
I383067		6.84	<0.01	<0.01	0.05	<5	60	<0.05	<0.01	20.1	<0.02	1.15	1.0	2	<0.05	0.9
I383068		1.58	<0.01	<0.01	0.04	6	50	<0.05	<0.01	19.90	<0.02	0.98	0.9	3	<0.05	0.9
I383069		4.18	<0.01	<0.01	0.05	<5	120	<0.05	<0.01	21.2	<0.02	0.81	1.1	2	<0.05	0.9
I383070		3.42	<0.01	0.02	0.14	9	90	0.05	0.12	19.65	0.08	1.37	1.3	3	0.40	1.3
I383071		4.46	<0.01	0.01	0.02	<5	40	<0.05	<0.01	19.70	<0.02	0.29	0.9	2	<0.05	0.8
I383072		3.32	<0.01	0.03	0.09	<5	940	<0.05	0.01	16.90	0.05	1.47	0.9	3	<0.05	8.3
I383073		6.56	<0.01	0.12	8.12	5.6	1790	0.41	0.02	1.31	0.30	19.85	38.3	151	2.43	42.6
I383074		8.38	<0.01	0.02	0.29	<5	180	0.06	0.01	18.25	0.02	5.52	1.3	2	0.13	3.3
I383075		7.18	<0.01	0.01	0.06	<5	20	0.06	0.02	20.6	0.05	1.11	1.3	<1	0.12	1.5
I383076		9.58	<0.01	0.01	0.28	<5	320	0.09	0.01	19.60	0.03	6.39	1.5	3	0.12	2.5
I383077		4.18	<0.01	<0.01	0.03	<5	1710	0.08	<0.01	19.80	0.02	0.80	1.0	1	<0.05	1.1
I383078		7.90	<0.01	<0.01	0.02	<5	4300	0.08	<0.01	20.8	<0.02	0.62	0.9	1	<0.05	0.8
I383079		6.96	0.01	<0.01	0.03	<5	3300	0.07	<0.01	20.1	<0.02	0.85	0.9	1	<0.05	0.9
I383080		6.68	<0.01	0.01	0.12	5	5190	0.10	0.01	20.7	0.02	1.64	1.1	<1	<0.05	1.3
I383081		6.10	<0.01	<0.01	0.05	<5	2810	0.08	<0.01	20.3	<0.02	0.98	0.9	<1	<0.05	0.9
I383082		8.30	<0.01	0.01	0.04	<5	2080	0.07	<0.01	20.8	<0.02	0.92	1.0	<1	<0.05	1.1
I383083		4.40	<0.01	<0.01	0.03	<5	2800	0.08	<0.01	20.3	<0.02	0.69	0.9	<1	<0.05	0.8
I383084		8.24	<0.01	<0.01	0.03	<5	6090	0.09	<0.01	20.9	0.02	1.03	1.0	<1	<0.05	0.7
I383085		7.42	0.02	<0.01	0.05	<5	80	0.05	0.02	20.7	0.05	1.02	1.3	<1	0.17	1.9
I383086		2.26	<0.01	0.01	0.02	<5	4530	0.07	<0.01	20.3	0.02	0.87	1.0	<1	<0.05	0.9
I383087		2.22	<0.01	0.01	0.02	<5	840	0.11	<0.01	20.9	0.03	0.59	0.9	<1	<0.05	0.8
I383088		0.28	0.22	>100	3.98	6070	570	0.87	9.01	11.65	323	32.6	20.1	24	4.23	2270
I383089		9.42	<0.01	0.01	0.02	<5	>10000	0.06	<0.01	20.4	0.10	0.90	0.8	2	<0.05	3.1
I383090		9.36	<0.01	0.05	0.09	<5	6890	0.09	0.01	19.80	0.04	1.55	1.0	<1	0.17	1.7
I383091		4.66	<0.01	0.13	0.16	<5	5730	0.13	<0.01	19.00	0.07	1.20	0.9	<1	0.37	1.1



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- AUG- 2011
Account: RCM

Project: RAU- TIGER (Ocelot)

CERTIFICATE OF ANALYSIS WH11136140

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
I383056		0.06	0.14	0.05	<0.1	<0.005	0.02	0.6	1.8	12.45	130	0.17	0.01	0.2	0.8	90
I383057		0.25	1.20	0.08	0.3	<0.005	0.17	6.0	4.1	11.85	191	0.70	0.02	2.9	4.7	190
I383058		0.14	0.47	0.09	0.2	<0.005	0.03	3.6	3.9	12.20	166	0.73	0.01	1.8	2.2	230
I383059		0.62	2.56	0.10	1.2	0.005	0.02	16.0	15.8	11.30	240	3.80	0.02	11.0	11.7	950
I383060		0.12	0.58	0.11	0.2	<0.005	0.01	2.6	4.2	12.55	109	0.71	0.01	2.0	3.4	250
I383061		0.06	0.31	0.12	0.1	<0.005	0.01	1.1	1.9	12.55	93	0.25	0.01	0.8	1.2	150
I383062		0.04	0.18	0.16	<0.1	<0.005	0.01	<0.5	1.1	11.45	76	0.11	0.01	0.2	1.6	130
I383063		0.08	0.23	0.16	<0.1	<0.005	0.01	0.6	1.5	12.15	83	0.53	0.01	1.3	2.3	160
I383064		3.65	10.70	0.11	1.4	0.074	1.33	15.5	18.9	0.68	2720	5.57	1.24	4.5	26.2	650
I383065		0.05	0.12	<0.05	0.1	<0.005	0.01	0.7	1.6	12.90	59	0.11	0.01	0.5	0.4	110
I383066		0.04	0.15	0.11	0.1	<0.005	0.01	1.3	1.4	12.65	72	0.14	0.01	0.5	2.1	90
I383067		0.05	0.19	0.16	<0.1	<0.005	0.01	0.5	1.2	12.20	87	0.22	0.01	0.4	2.5	80
I383068		0.04	0.19	0.17	<0.1	<0.005	0.01	0.5	1.0	12.15	92	0.19	0.01	0.4	2.8	70
I383069		0.03	0.20	0.18	<0.1	<0.005	0.01	<0.5	1.3	13.00	136	0.12	0.01	0.4	2.9	80
I383070		0.11	0.47	0.19	0.1	<0.005	0.07	0.7	1.6	12.00	209	0.15	0.02	0.4	2.7	80
I383071		0.03	0.19	0.19	<0.1	<0.005	0.01	<0.5	0.9	12.00	78	0.07	0.01	0.2	2.8	60
I383072		0.35	0.30	0.15	0.1	<0.005	<0.01	0.7	1.4	10.50	98	0.31	<0.01	0.4	2.2	130
I383073		6.53	12.75	0.12	2.0	0.017	0.23	8.5	56.9	12.45	84	1.51	<0.01	3.6	155.5	780
I383074		0.46	0.70	0.18	0.2	<0.005	0.03	2.7	2.8	11.75	102	0.39	<0.01	1.9	2.2	210
I383075		0.46	0.22	<0.05	<0.1	<0.005	0.02	0.5	0.9	12.25	196	0.05	<0.01	0.3	2.3	170
I383076		0.23	0.71	0.06	0.2	<0.005	0.06	3.0	3.3	12.00	122	0.35	<0.01	2.4	2.5	190
I383077		0.04	0.16	0.08	<0.1	<0.005	<0.01	<0.5	1.2	12.00	99	0.10	0.01	0.2	1.8	100
I383078		0.02	0.16	0.11	<0.1	<0.005	<0.01	<0.5	1.0	12.50	79	0.09	0.04	0.1	1.9	110
I383079		0.03	0.19	0.09	<0.1	<0.005	<0.01	0.5	1.0	12.15	68	0.09	0.03	0.2	2.1	120
I383080		0.12	0.13	<0.05	0.1	<0.005	0.01	0.7	2.2	12.50	87	0.27	0.02	1.0	3.5	230
I383081		0.06	0.14	0.06	<0.1	<0.005	0.01	0.5	1.3	12.35	80	0.13	0.02	0.3	1.8	140
I383082		0.07	0.12	0.07	<0.1	<0.005	0.01	0.5	1.5	12.65	131	0.19	0.02	0.4	2.9	150
I383083		0.04	0.15	0.09	<0.1	<0.005	0.01	<0.5	1.0	12.25	124	0.09	0.01	0.2	2.3	110
I383084		0.05	0.15	0.09	<0.1	<0.005	0.01	0.5	1.3	12.65	205	0.14	0.02	0.3	2.9	110
I383085		0.46	0.23	0.08	<0.1	<0.005	0.03	0.5	0.9	12.30	209	0.06	0.01	0.3	3.4	170
I383086		0.05	0.14	0.08	<0.1	<0.005	0.01	<0.5	1.1	12.30	218	0.15	0.02	0.3	3.1	120
I383087		0.03	0.16	0.11	<0.1	<0.005	0.01	<0.5	1.2	12.65	196	0.07	0.01	0.3	2.8	50
I383088		4.71	10.05	0.16	0.9	0.154	1.65	16.7	18.1	0.59	5750	4.64	0.17	4.4	19.4	780
I383089		0.03	0.16	0.19	<0.1	<0.005	<0.01	0.5	0.9	12.75	176	0.10	0.11	0.2	<0.2	100
I383090		0.12	0.20	<0.05	0.1	<0.005	0.03	0.8	1.1	11.90	446	0.40	0.03	0.7	4.8	190
I383091		0.07	0.21	<0.05	<0.1	<0.005	0.06	0.6	0.8	11.40	202	0.32	0.03	0.4	3.2	130



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- AUG- 2011
Account: RCM

Project: RAU- TIGER (Ocelot)

CERTIFICATE OF ANALYSIS WH11136140

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.2	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
I383056		1.1	0.7	<0.002	0.04	0.18	0.2	1	<0.2	43.5	<0.05	<0.05	<0.2	<0.005	0.03	0.8
I383057		13.4	8.7	0.003	0.35	0.65	1.3	1	0.2	99.0	0.15	<0.05	1.0	0.051	0.22	1.5
I383058		4.5	2.5	0.002	0.16	0.52	0.8	1	<0.2	73.8	0.09	<0.05	0.6	0.032	0.11	1.7
I383059		11.5	1.2	0.009	0.85	1.59	3.9	1	0.2	89.3	0.62	<0.05	3.8	0.217	0.38	7.1
I383060		3.5	0.3	0.002	0.16	0.45	0.9	1	<0.2	84.9	0.11	<0.05	0.7	0.028	0.09	1.6
I383061		0.7	0.1	<0.002	0.06	0.22	0.3	1	<0.2	43.8	<0.05	<0.05	0.3	0.011	0.03	0.9
I383062		0.7	0.3	<0.002	0.02	0.33	0.1	1	<0.2	40.5	<0.05	<0.05	<0.2	<0.005	0.02	0.8
I383063		1.5	0.5	<0.002	0.06	0.21	0.2	1	<0.2	43.6	<0.05	<0.05	<0.2	0.005	0.02	0.7
I383064		>10000	70.7	0.002	2.78	54.3	8.8	4	3.0	439	0.36	0.16	4.1	0.206	0.79	1.9
I383065		0.8	0.3	<0.002	0.05	0.29	0.3	1	<0.2	36.7	<0.05	<0.05	0.2	0.009	0.02	0.9
I383066		1.8	0.1	<0.002	0.03	0.15	0.2	1	<0.2	40.2	<0.05	<0.05	0.2	0.009	0.02	0.7
I383067		1.3	0.1	<0.002	0.03	0.30	0.2	1	<0.2	42.9	<0.05	<0.05	<0.2	0.005	0.03	0.8
I383068		0.7	0.1	<0.002	0.02	0.26	0.2	1	<0.2	40.3	<0.05	<0.05	<0.2	<0.005	0.04	0.7
I383069		0.5	0.1	<0.002	0.02	0.37	0.2	1	<0.2	45.6	<0.05	<0.05	<0.2	<0.005	0.10	0.6
I383070		1.0	2.6	<0.002	0.02	0.54	0.3	1	<0.2	37.9	<0.05	<0.05	<0.2	0.007	0.06	1.2
I383071		<0.5	0.1	<0.002	<0.01	0.95	0.2	1	<0.2	34.3	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I383072		3.6	0.2	<0.002	0.47	1.81	0.9	1	0.3	49.8	<0.05	<0.05	0.2	0.009	0.11	1.4
I383073		14.3	6.5	0.006	8.61	5.06	16.9	2	0.3	16.6	0.20	<0.05	2.4	0.440	1.02	5.7
I383074		2.2	1.4	<0.002	0.59	0.36	1.2	1	<0.2	49.7	0.10	<0.05	0.8	0.040	0.11	1.1
I383075		1.2	0.9	<0.002	0.02	<0.05	0.3	1	<0.2	42.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.5
I383076		3.0	1.8	<0.002	0.25	0.25	1.3	1	<0.2	53.5	0.12	<0.05	0.8	0.041	0.15	1.1
I383077		1.2	0.1	<0.002	0.08	0.13	0.2	1	<0.2	54.9	<0.05	<0.05	<0.2	<0.005	0.07	1.1
I383078		1.4	0.1	<0.002	0.14	0.11	0.1	1	<0.2	51.2	<0.05	<0.05	<0.2	<0.005	0.07	0.9
I383079		0.9	0.1	<0.002	0.11	0.09	0.2	1	<0.2	72.8	<0.05	<0.05	<0.2	<0.005	0.11	0.5
I383080		2.4	0.2	0.002	0.29	0.27	0.3	1	<0.2	81.7	<0.05	<0.05	0.4	0.016	0.17	1.0
I383081		2.1	0.1	<0.002	0.11	0.17	0.2	1	<0.2	60.4	<0.05	<0.05	<0.2	<0.005	0.14	0.5
I383082		1.6	0.2	<0.002	0.13	0.24	0.2	1	<0.2	94.0	<0.05	<0.05	<0.2	0.005	0.22	0.6
I383083		1.1	0.4	<0.002	0.10	0.21	0.1	1	<0.2	91.8	<0.05	<0.05	<0.2	<0.005	0.06	0.4
I383084		1.6	0.4	<0.002	0.22	0.18	0.1	1	<0.2	163.5	<0.05	<0.05	<0.2	<0.005	0.09	0.7
I383085		1.3	1.3	<0.002	0.02	<0.05	0.2	1	<0.2	45.1	<0.05	<0.05	<0.2	<0.005	<0.02	0.4
I383086		2.4	0.2	<0.002	0.17	0.33	0.1	1	<0.2	183.5	<0.05	<0.05	<0.2	<0.005	0.11	0.5
I383087		2.9	0.1	<0.002	0.03	0.10	0.2	1	<0.2	82.5	<0.05	<0.05	<0.2	<0.005	0.05	0.5
I383088		>10000	96.2	0.004	6.97	135.0	5.0	8	3.4	625	0.30	0.42	4.5	0.133	1.30	2.1
I383089		2.7	0.3	<0.002	0.36	0.19	0.2	2	<0.2	128.0	<0.05	<0.05	<0.2	<0.005	0.05	0.6
I383090		5.3	1.8	0.002	0.33	1.06	0.3	1	<0.2	212	<0.05	<0.05	0.2	0.011	0.48	1.3
I383091		7.2	4.9	0.003	0.28	1.18	0.2	1	<0.2	219	<0.05	<0.05	<0.2	0.006	0.54	0.9



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23- AUG- 2011
Account: RCM

Project: RAU- TIGER (Ocelot)

CERTIFICATE OF ANALYSIS WH11136140

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
I383056		5	0.1	0.6	54	1.2			
I383057		15	0.5	3.2	58	12.0			
I383058		10	0.6	2.3	119	7.8			
I383059		42	3.6	7.7	29	50.3			
I383060		12	0.5	2.3	25	8.5			
I383061		4	0.3	1.0	12	3.2			
I383062		3	0.1	0.4	9	0.6			
I383063		3	0.2	0.5	13	1.4			
I383064		63	10.2	13.3	>10000	42.0		1.915	1.915
I383065		3	<0.1	0.6	7	2.2			
I383066		4	0.1	0.6	11	2.2			
I383067		3	0.1	0.6	7	1.5			
I383068		3	0.1	0.5	8	1.2			
I383069		4	0.1	0.5	6	1.2			
I383070		4	0.2	0.6	31	2.9			
I383071		2	<0.1	0.3	6	0.5			
I383072		5	0.2	1.3	34	2.2			
I383073		124	2.3	9.0	150	67.9			
I383074		8	0.2	2.3	11	8.4			
I383075		1	0.1	0.8	16	<0.5			
I383076		6	0.2	2.1	9	8.8			
I383077		4	0.1	0.6	10	<0.5			
I383078		4	<0.1	0.6	12	<0.5			
I383079		4	<0.1	0.7	15	1.4			
I383080		8	0.1	1.1	21	4.5			
I383081		4	<0.1	0.9	24	0.6			
I383082		7	0.1	0.6	32	1.3			
I383083		3	<0.1	0.5	14	0.5			
I383084		6	0.1	0.9	18	0.9			
I383085		2	0.1	0.7	16	0.6			
I383086		10	0.1	0.8	19	0.9			
I383087		5	0.1	0.5	16	0.6			
I383088		39	4.1	8.1	>10000	25.2	150	4.70	4.78
I383089		4	<0.1	0.8	34	<0.5			
I383090		14	0.5	0.9	42	2.4			
I383091		8	0.1	0.8	51	1.6			



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

To: ATAC RESOURCES LTD.
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RAU- TIGER (Ocelot)

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23- AUG- 2011
Account: RCM

CERTIFICATE OF ANALYSIS WH11136140

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10% on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.

APPENDIX IV
STANDARD SAMPLE CERTIFICATES

CDN Resource Laboratories Ltd.

10945-B River Road, Delta, B.C., Canada, V4C 2R8, 604-540-2233, Fax: 604-540-2237 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-HZ-2

Recommended values and the "Between Lab" Two Standard Deviations

Gold 0.124 ± 0.024 g/t *** *provisional value only (RSD = 9.67%)*
Silver 61.1 ± 4.1 g/t
Copper 1.36 ± 0.06 %
Lead 1.62 ± 0.11 %
Zinc 7.20 ± 0.35 %

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: March 1, 2008

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to twelve laboratories for round robin assaying. The material has been packaged in nominal 100g (or 60g) lots in tin-top kraft bags which have been individually vacuum-sealed in nylon bags.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-HZ-2 was made by compositing 700 kg of ore from three different properties with 100 kg of two high sulphide concentrates.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	43.2	MgO	2.2
Al ₂ O ₃	6.3	K ₂ O	0.8
Fe ₂ O ₃	24.2	TiO ₂	0.5
CaO	3.0	LOI	11.1
Na ₂ O	1.1	S	17.3

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (10g sub-sample).
Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

STANDARD REFERENCE MATERIAL CDN-HZ-2

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CDN-HZ-2-1	0.14	0.14	0.13	0.131	0.11	0.110	0.120	0.11	0.150	0.121	0.123	0.11
CDN-HZ-2-2	0.13	0.09	0.12	0.128	0.11	0.120	0.133	0.14	0.170	0.132	0.128	0.11
CDN-HZ-2-3	0.13	0.10	0.13	0.124	0.11	0.100	0.131	0.12	0.147	0.131	0.132	0.13
CDN-HZ-2-4	0.12	0.09	0.14	0.121	0.12	0.100	0.133	0.12	0.140	0.134	0.136	0.12
CDN-HZ-2-5	0.13	0.09	0.12	0.143	0.11	0.100	0.137	0.13	0.168	0.118	0.121	0.13
CDN-HZ-2-6	0.12	0.09	0.13	0.140	0.12	0.110	0.140	0.15	0.144	0.119	0.134	0.11
CDN-HZ-2-7	0.15	0.09	0.13	0.130	0.11	0.100	0.125	0.14	0.160	0.147	0.127	0.11
CDN-HZ-2-8	0.12	0.09	0.12	0.132	0.11	0.120	0.137	0.13	0.136	0.112	0.146	0.13
CDN-HZ-2-9	0.14	0.09	0.13	0.143	0.10	0.110	0.131	0.14	0.164	0.129	0.145	0.13
CDN-HZ-2-10	0.13	0.09	0.10	0.141	0.10	0.110	0.126	0.12	0.160	0.118	0.129	0.13
Mean	0.131	0.096	0.125	0.133	0.108	0.108	0.131	0.130	0.154	0.126	0.132	0.121
Std. Devn.	0.0099	0.0158	0.0108	0.0080	0.0069	0.0079	0.0062	0.0125	0.0121	0.0105	0.0084	0.0099
% RSD	7.59	16.43	8.64	6.00	6.42	7.30	4.70	9.59	7.84	8.35	6.37	8.22
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
CDN-HZ-2-1	61.9	58	62	61	60.0	61	65.5	60.2	58.2	64.6	60	61.1
CDN-HZ-2-2	61.7	59	60	61	61.2	63	65.5	61.7	58.6	63.6	60	59.2
CDN-HZ-2-3	61.8	59	61	61	62.8	63	64.9	60.8	58.7	64.7	60	59.8
CDN-HZ-2-4	61.4	59	61	65	61.3	63	65.8	60.2	58.6	63.7	60	59.8
CDN-HZ-2-5	60.9	60	60	59	60.2	62	66.1	63.1	58.5	64.0	60	60.1
CDN-HZ-2-6	60.0	58	61	63	60.3	62	66.0	60.9	59.3	64.5	60	59.9
CDN-HZ-2-7	61.0	58	61	60	61.0	62	64.9	60.2	59.3	63.5	65	59.3
CDN-HZ-2-8	61.6	59	59	62	60.5	61	66.3	59.7	58.7	64.3	65	58.8
CDN-HZ-2-9	61.1	58	61	60	61.1	62	65.5	63.2	58.3	63.0	60	59.7
CDN-HZ-2-10	60.8	57	60	59	60.2	63	65.4	61.0	58.6	63.7	65	59.0
Mean	61.2	58.5	60.6	61.1	60.9	62.2	65.6	61.1	58.7	64.0	61.5	59.7
Std. Devn.	0.5808	0.8498	0.8433	1.8529	0.8303	0.7888	0.4701	1.2156	0.3645	0.5504	2.4152	0.6447
% RSD	0.95	1.45	1.39	3.03	1.36	1.27	0.72	1.99	0.62	0.86	3.93	1.08

NOTE: Au data from Lab. 2 and Lab. 9 were excluded from the data set for failing the “t” test.

STANDARD REFERENCE MATERIAL CDN-HZ-2

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CDN-HZ-2-1	1.35	1.36	1.382	1.370	1.39	1.34	1.38	1.35	1.33	1.42	1.32	1.337
CDN-HZ-2-2	1.34	1.35	1.385	1.360	1.41	1.45	1.42	1.34	1.32	1.38	1.29	1.339
CDN-HZ-2-3	1.38	1.38	1.355	1.370	1.43	1.38	1.38	1.33	1.33	1.39	1.35	1.338
CDN-HZ-2-4	1.34	1.35	1.345	1.410	1.42	1.42	1.41	1.35	1.32	1.40	1.31	1.338
CDN-HZ-2-5	1.33	1.35	1.374	1.365	1.42	1.32	1.41	1.34	1.33	1.36	1.32	1.339
CDN-HZ-2-6	1.33	1.34	1.37	1.435	1.41	1.40	1.36	1.33	1.34	1.39	1.33	1.336
CDN-HZ-2-7	1.37	1.39	1.362	1.375	1.43	1.35	1.42	1.33	1.35	1.35	1.37	1.331
CDN-HZ-2-8	1.36	1.35	1.367	1.395	1.40	1.32	1.36	1.33	1.33	1.38	1.35	1.342
CDN-HZ-2-9	1.34	1.37	1.373	1.385	1.43	1.38	1.40	1.34	1.33	1.38	1.34	1.353
CDN-HZ-2-10	1.33	1.35	1.377	1.375	1.42	1.37	1.40	1.34	1.36	1.40	1.34	1.372
Mean	1.35	1.36	1.37	1.38	1.42	1.37	1.39	1.34	1.33	1.39	1.33	1.34
Std. Devn.	0.0177	0.0160	0.0123	0.0233	0.0135	0.0424	0.0227	0.0079	0.0116	0.0201	0.0230	0.0119
% RSD	1.31	1.17	0.90	1.68	0.95	3.09	1.63	0.59	0.87	1.45	1.73	0.88
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
CDN-HZ-2-1	1.59	1.64	1.65	1.610	1.64	1.65	1.72	1.81	1.57	1.53	1.57	1.66
CDN-HZ-2-2	1.63	1.62	1.64	1.595	1.67	1.70	1.71	1.82	1.54	1.51	1.54	1.66
CDN-HZ-2-3	1.63	1.71	1.62	1.615	1.69	1.69	1.65	1.80	1.54	1.52	1.60	1.65
CDN-HZ-2-4	1.63	1.62	1.62	1.725	1.67	1.71	1.67	1.83	1.56	1.51	1.55	1.66
CDN-HZ-2-5	1.58	1.65	1.63	1.590	1.68	1.67	1.74	1.82	1.56	1.50	1.56	1.69
CDN-HZ-2-6	1.61	1.66	1.63	1.695	1.67	1.67	1.69	1.82	1.55	1.52	1.56	1.67
CDN-HZ-2-7	1.67	1.65	1.63	1.615	1.68	1.66	1.71	1.82	1.56	1.50	1.60	1.66
CDN-HZ-2-8	1.63	1.64	1.62	1.650	1.66	1.64	1.67	1.81	1.55	1.52	1.52	1.64
CDN-HZ-2-9	1.63	1.65	1.63	1.615	1.69	1.66	1.74	1.82	1.56	1.51	1.55	1.66
CDN-HZ-2-10	1.58	1.63	1.64	1.620	1.68	1.70	1.67	1.83	1.58	1.51	1.52	1.66
Mean	1.62	1.65	1.63	1.63	1.67	1.68	1.70	1.82	1.56	1.51	1.56	1.66
Std. Devn.	0.0282	0.0258	0.0099	0.0442	0.0149	0.0237	0.0316	0.0092	0.0119	0.0095	0.0279	0.0121
% RSD	1.74	1.57	0.61	2.70	0.89	1.41	1.86	0.51	0.76	0.63	1.79	0.73
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
CDN-HZ-2-1	7.51	7.84	7.52	7.05	6.99	7.07	7.42	7.15	7.03	7.24	7.08	7.07
CDN-HZ-2-2	7.66	7.73	7.49	7.06	7.09	7.18	7.52	7.15	7.08	7.16	6.99	7.01
CDN-HZ-2-3	7.66	7.81	7.43	7.16	7.17	7.10	7.24	7.10	7.03	7.20	7.20	7.04
CDN-HZ-2-4	7.48	7.65	7.45	7.29	7.10	7.16	7.54	7.20	7.05	7.19	6.95	7.04
CDN-HZ-2-5	7.53	7.66	7.43	7.11	7.11	7.10	7.45	7.15	7.05	7.08	7.03	7.09
CDN-HZ-2-6	7.62	7.68	7.49	7.50	7.04	7.04	7.36	7.15	7.07	7.18	7.02	7.05
CDN-HZ-2-7	7.60	7.81	7.52	7.14	7.12	7.10	7.50	7.15	7.05	7.12	7.10	7.06
CDN-HZ-2-8	7.58	7.36	7.44	7.25	6.99	6.98	7.36	7.10	7.07	7.19	7.04	7.15
CDN-HZ-2-9	7.56	7.44	7.52	7.16	7.12	7.02	7.43	7.15	7.04	7.17	7.12	7.22
CDN-HZ-2-10	7.44	7.31	7.53	7.24	7.07	7.15	7.37	7.15	7.06	7.16	7.15	7.29
Mean	7.56	7.63	7.48	7.20	7.08	7.09	7.42	7.15	7.05	7.17	7.07	7.10
Std. Devn.	0.0743	0.1927	0.0408	0.1329	0.0583	0.0639	0.0906	0.0284	0.0167	0.0441	0.0764	0.0892
% RSD	0.98	2.53	0.54	1.85	0.82	0.90	1.22	0.40	0.24	0.61	1.08	1.26

**NOTE: Pb data from Lab. 8 was excluded from the data set for failing the “t” test.
Zn data from Lab.2 was excluded from the data set for failing the “t” test.**

STANDARD REFERENCE MATERIAL CDN-HZ-2

Participating Laboratories:

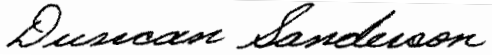
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Actlabs, Ontario, Canada
Alex Stewart Assayers (Argentina) Ltd.
Genalysis Laboratory, Australia
Labtium Laboratory, Finland
OMAC Laboratory Ltd., Ireland
Skyline Laboratory, Arizona, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories Ltd., Saskatoon
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

REFERENCE MATERIAL: CDN-ME-7

Recommended values and the “Between Lab” Two Standard Deviations

Gold *0.219 g/t Au ± 0.024 g/t Au*
Silver *150.7 g/t Ag ± 8.7 g/t Ag*
Copper *0.227 % Cu ± 0.016 % Cu*
Lead *4.95 % Pb ± 0.30 % Pb*
Zinc *4.84 % Zn ± 0.17 % Zn*

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee, Ph.D., P. Geo.
DATE OF CERTIFICATION: November 30, 2009

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to fifteen laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore is from the Bell District of Mineral County, Nevada. The primary ore minerals are galena and sphalerite enclosed in a dark-grey, fine-grained aggregate of quartz and jasperoid, the result of the replacement of limestone by quartz. Pyrite and arsenopyrite are subordinate metallic minerals; calcite and limestone occur as gangue minerals.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	41.1		MgO	1.3
Al ₂ O ₃	9.1		K ₂ O	2.3
Fe ₂ O ₃	8.8		TiO ₂	0.3
CaO	23.1		LOI	8.2
Na ₂ O	0.4		S	6.6

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

REFERENCE MATERIAL CDN-ME-7

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
ME-7-1	0.189	0.205	0.233	0.23	0.219	0.223	0.215	0.252	0.209	0.22	0.255	0.22	0.18	0.196	0.229
ME-7-2	0.197	0.221	0.226	0.23	0.208	0.237	0.215	0.231	0.205	0.23	0.280	0.22	0.22	0.239	0.219
ME-7-3	0.201	0.205	0.224	0.22	0.205	0.210	0.220	0.244	0.228	0.22	0.270	0.23	0.22	0.184	0.238
ME-7-4	0.215	0.219	0.230	0.22	0.208	0.212	0.205	0.227	0.217	0.20	0.255	0.21	0.22	0.223	0.225
ME-7-5	0.215	0.220	0.232	0.23	0.211	0.210	0.235	0.233	0.207	0.22	0.250	0.23	0.21	0.215	0.245
ME-7-6	0.218	0.207	0.231	0.23	0.215	0.207	0.220	0.209	0.207	0.21	0.255	0.23	0.21	0.197	0.220
ME-7-7	0.215	0.242	0.244	0.24	0.214	0.203	0.233	0.255	0.198	0.21	0.260	0.24	0.22	0.198	0.233
ME-7-8	0.212	0.201	0.225	0.25	0.209	0.204	0.229	0.246	0.206	0.23	0.260	0.24	0.22	0.184	0.239
ME-7-9	0.222	0.216	0.221	0.22	0.207	0.207	0.225	0.208	0.220	0.20	0.265	0.24	0.21	0.224	0.257
ME-7-10	0.203	0.229	0.232	0.23	0.208	0.210	0.211	0.255	0.238	0.22	0.250	0.23	0.21	0.228	0.254
Mean	0.209	0.217	0.230	0.226	0.210	0.212	0.221	0.236	0.214	0.214	0.260	0.229	0.212	0.209	0.236
Std. Devn.	0.0106	0.0127	0.0064	0.0090	0.0043	0.0103	0.0097	0.0175	0.0122	0.0088	0.0094	0.0099	0.0123	0.0194	0.0133
% RSD	5.08	5.84	2.80	3.97	2.06	4.84	4.40	7.43	5.71	4.10	3.63	4.34	5.80	9.31	5.62
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
ME-7-1	151	154	166.1	146	154	156	148.7	141	145	152	148.2	153	151	147.9	145.3
ME-7-2	149	152	164.9	147	154	157	142.7	141	140	152	152.3	157	155	144.8	143.7
ME-7-3	152	156	165.9	149	152	151	147.0	139	151	153	149.2	167	152	144.3	143.7
ME-7-4	152	155	164.4	147	152	145	145.1	143	143	153	158.1	159	154	147.9	143.8
ME-7-5	147	157	164.1	150	157	152	146.7	139	148	154	157.0	154	152	140.6	145.0
ME-7-6	149	153	164.5	148	156	153	145.8	140	148	153	154.4	154	151	146.0	145.5
ME-7-7	149	158	163.7	149	153	148	145.3	140	147	153	153.3	159	152	146.9	144.8
ME-7-8	150	153	163.2	147	156	151	142.7	140	148	156	146.1	158	152	145.8	145.7
ME-7-9	149	158	163.8	148	156	151	150.5	139	149	154	159.8	160	153	137.9	146.4
ME-7-10	150	157	163.0	146	157	150	147.8	137	146	154	150.3	163	153	142.3	148.1
Mean	149.8	155.3	164.4	147.7	154.7	151.4	146.2	139.9	146.5	153.4	152.9	158.4	152.4	144.4	145.2
Std. Devn.	1.549	2.214	1.039	1.337	1.947	3.502	2.469	1.595	3.171	1.174	4.509	4.326	1.416	3.275	1.369
% RSD	1.03	1.43	0.63	0.91	1.26	2.31	1.69	1.14	2.16	0.77	2.95	2.73	0.93	2.27	0.94

NOTE: Au data from Lab. 11 was excluded for failing the “t” test.
Ag data from Labs 3 and 8 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-7

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-7-1	0.218	0.234	0.240	0.221	0.220	0.222	0.232	0.229	0.209	0.226	0.228	0.234	0.229	0.247	0.197
ME-7-2	0.218	0.231	0.237	0.220	0.217	0.231	0.224	0.229	0.204	0.227	0.229	0.237	0.234	0.254	0.188
ME-7-3	0.219	0.238	0.238	0.219	0.218	0.220	0.230	0.243	0.216	0.228	0.228	0.241	0.230	0.249	0.198
ME-7-4	0.225	0.233	0.233	0.221	0.219	0.219	0.228	0.230	0.207	0.229	0.230	0.233	0.235	0.239	0.204
ME-7-5	0.216	0.234	0.234	0.217	0.223	0.219	0.222	0.229	0.214	0.230	0.227	0.235	0.228	0.248	0.196
ME-7-6	0.223	0.232	0.244	0.223	0.217	0.225	0.230	0.247	0.216	0.227	0.230	0.232	0.230	0.236	0.186
ME-7-7	0.222	0.238	0.242	0.219	0.222	0.216	0.228	0.238	0.213	0.230	0.230	0.234	0.229	0.251	0.192
ME-7-8	0.220	0.232	0.230	0.219	0.227	0.219	0.226	0.254	0.215	0.231	0.229	0.232	0.231	0.246	0.197
ME-7-9	0.220	0.236	0.236	0.219	0.225	0.217	0.233	0.244	0.216	0.229	0.231	0.234	0.232	0.250	0.184
ME-7-10	0.220	0.238	0.238	0.220	0.228	0.217	0.229	0.245	0.211	0.233	0.228	0.235	0.233	0.238	0.186
Mean	0.220	0.235	0.237	0.220	0.222	0.221	0.228	0.239	0.212	0.229	0.229	0.235	0.231	0.246	0.193
Std. Devn.	0.0026	0.0027	0.0042	0.0016	0.0041	0.0045	0.0034	0.0091	0.0041	0.0021	0.0012	0.0027	0.0023	0.0061	0.0066
% RSD	1.20	1.16	1.78	0.71	1.83	2.05	1.50	3.81	1.94	0.92	0.54	1.14	1.01	2.47	3.42
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-7-1	4.76	4.89	5.50	4.93	4.72	4.69	5.43	4.65	5.006	4.94	4.97	3.83	5.16	5.35	5.02
ME-7-2	4.75	4.83	5.50	4.87	4.94	4.92	5.21	4.69	4.994	4.93	4.94	4.42	5.09	5.40	4.93
ME-7-3	4.80	4.93	5.30	4.94	4.88	4.32	5.13	4.70	5.028	4.96	4.93	4.34	5.07	5.30	5.02
ME-7-4	4.87	4.91	5.60	4.85	4.78	4.31	5.42	4.81	5.025	4.98	4.93	4.47	5.11	5.30	4.97
ME-7-5	4.69	4.95	5.30	4.92	5.00	4.85	5.30	4.65	4.997	4.98	4.90	4.49	5.06	5.40	5.03
ME-7-6	4.87	4.82	5.30	4.92	4.92	4.51	5.55	4.64	5.018	4.92	4.97	4.29	5.05	5.10	4.93
ME-7-7	4.83	4.97	5.50	4.93	4.89	4.49	5.54	4.71	4.904	4.93	4.94	4.22	5.06	5.30	4.91
ME-7-8	4.82	4.90	5.30	4.86	4.95	4.48	5.42	4.77	5.038	4.96	4.95	4.20	5.07	5.10	5.05
ME-7-9	4.77	5.00	5.40	4.87	4.94	4.79	5.37	4.95	5.029	4.93	4.99	4.15	5.13	5.25	4.97
ME-7-10	4.79	4.99	5.30	4.89	5.07	4.34	5.12	4.54	5.019	4.92	4.94	4.08	5.09	5.40	4.99
Mean	4.80	4.92	5.40	4.90	4.91	4.57	5.35	4.71	5.01	4.95	4.95	4.25	5.09	5.29	4.98
Std. Devn.	0.0558	0.0617	0.1155	0.0310	0.1008	0.2273	0.1550	0.1119	0.0384	0.0232	0.0255	0.2009	0.0366	0.1125	0.0484
% RSD	1.16	1.25	2.14	0.63	2.05	4.97	2.90	2.38	0.77	0.47	0.52	4.73	0.72	2.13	0.97
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-7-1	4.87	4.87	5.10	4.86	4.64	4.81	5.75	4.76	4.848	4.75	4.91	4.88	4.80	5.20	4.92
ME-7-2	4.91	4.81	5.00	4.89	4.65	4.99	5.85	4.80	4.875	4.76	4.86	4.90	4.88	5.15	4.86
ME-7-3	4.82	4.97	5.00	4.86	4.61	4.77	5.94	4.81	4.879	4.75	4.84	4.90	4.77	5.05	4.96
ME-7-4	4.94	4.88	5.10	4.88	4.61	4.80	5.98	4.89	4.847	4.74	4.86	4.87	4.88	5.05	4.87
ME-7-5	4.76	4.96	5.00	4.86	4.71	4.74	5.93	4.77	4.882	4.76	4.84	4.88	4.79	5.10	4.90
ME-7-6	4.80	4.86	5.00	4.87	4.66	4.90	6.02	4.77	4.834	4.73	4.88	4.87	4.74	5.20	4.90
ME-7-7	4.79	4.96	5.10	4.86	4.59	4.68	5.98	4.81	4.854	4.74	4.87	4.81	4.77	5.20	4.81
ME-7-8	4.66	4.88	5.10	4.88	4.65	4.76	6.03	4.90	4.828	4.77	4.89	4.82	4.81	5.00	4.91
ME-7-9	4.68	4.98	5.00	4.87	4.61	4.75	6.12	5.07	4.911	4.76	4.90	4.87	4.85	5.10	4.90
ME-7-10	4.71	5.00	5.00	4.89	4.70	4.70	5.79	4.63	4.845	4.74	4.89	4.88	4.82	5.25	4.89
Mean	4.79	4.92	5.04	4.87	4.64	4.79	5.94	4.82	4.86	4.75	4.87	4.87	4.81	5.13	4.89
Std. Devn.	0.0945	0.0641	0.0516	0.0113	0.0397	0.0932	0.1140	0.1150	0.0255	0.0125	0.0241	0.0301	0.0465	0.0823	0.0399
% RSD	1.97	1.30	1.02	0.23	0.86	1.95	1.92	2.39	0.52	0.26	0.50	0.62	0.97	1.60	0.81

NOTE: Cu data from Labs 14 and 15 was excluded for failing the “t” test.
Pb data from Labs 3 and 12 was excluded for failing the “t” test.
Zn data from Labs 7 and 14 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-7

Participating Laboratories:

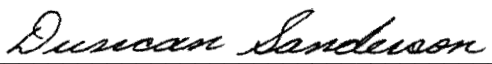
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Actlabs-Ancaster, Ontario, Canada
Actlabs-Thunder Bay, Ontario, Canada
ALS Chemex Laboratories, North Vancouver
Assayers Canada Ltd., Vancouver
Eco Tech, B.C., Canada
Genalysis Laboratory, Australia
Inspectorate America, Sparks, Nevada, USA
IPL, Richmond, B.C., Canada
Labtium Laboratory, Finland
Omac Laboratories Ltd., Ireland
SGS Toronto, Ontario, Canada
Skyline Laboratories, Arizona, USA
TSL Laboratories Ltd., Saskatoon
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

REFERENCE MATERIAL: CDN-ME-8

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.093 g/t Au</i>	<i>±</i>	<i>0.018 g/t Au</i>	<i>(Au: provisional value only, RSD = 9.3%)</i>
<i>Silver</i>	<i>61.7 g/t Ag</i>	<i>±</i>	<i>4.7 g/t Ag</i>	
<i>Copper</i>	<i>0.103 % Cu</i>	<i>±</i>	<i>0.008 % Cu</i>	
<i>Lead</i>	<i>1.94 % Pb</i>	<i>±</i>	<i>0.08 % Pb</i>	
<i>Zinc</i>	<i>1.92 % Zn</i>	<i>±</i>	<i>0.08 % Zn</i>	

Note: Standards with an RSD of near or less than 5% are certified, RSD's of between 5% and 15% are Provisional, and RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: November 30, 2009

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to fifteen laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore is from the Bell District of Mineral County, Nevada. The primary ore minerals are galena and sphalerite enclosed in a dark-grey, fine-grained aggregate of quartz and jasperoid, the result of the replacement of limestone by quartz. Pyrite and arsenopyrite are subordinate metallic minerals; calcite and limestone occur as gangue minerals. 350kg of the ore was blended with 350 kg of a blank granitic ore to make the standard.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	59.5		MgO	1.3
Al ₂ O ₃	9.7		K ₂ O	2.4
Fe ₂ O ₃	6.0		TiO ₂	0.4
CaO	10.4		LOI	5.2
Na ₂ O	1.8		S	2.7

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).

Ag, Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

REFERENCE MATERIAL CDN-ME-8

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
ME-8-1	0.100	0.098	0.085	0.09	0.091	0.107	0.096	0.102	0.092	0.09	0.115	0.12	0.08	0.090	0.122
ME-8-2	0.085	0.095	0.082	0.10	0.098	0.092	0.090	0.106	0.144	0.11	0.130	0.10	0.09	0.088	0.123
ME-8-3	0.099	0.088	0.092	0.10	0.088	0.083	0.091	0.096	0.097	0.10	0.120	0.11	0.08	0.087	0.102
ME-8-4	0.084	0.090	0.083	0.08	0.079	0.086	0.090	0.108	0.094	0.09	0.140	0.10	0.08	0.084	0.098
ME-8-5	0.093	0.086	0.088	0.09	0.082	0.096	0.095	0.103	0.091	0.12	0.115	0.11	0.09	0.093	0.105
ME-8-6	0.085	0.088	0.087	0.09	0.107	0.088	0.091	0.114	0.090	0.09	0.140	0.10	0.10	0.092	0.088
ME-8-7	0.104	0.087	0.089	0.09	0.084	0.086	0.090	0.113	0.098	0.09	0.140	0.10	0.09	0.090	0.125
ME-8-8	0.085	0.084	0.085	0.08	0.083	0.097	0.095	0.097	0.094	0.09	0.125	0.10	0.10	0.083	0.113
ME-8-9	0.087	0.089	0.083	0.10	0.107	0.100	0.099	0.091	0.085	0.08	0.105	0.11	0.08	0.086	0.103
ME-8-10	0.089	0.101	0.086	0.10	0.110	0.090	0.100	0.121	0.086	0.10	0.120	0.09	0.09	0.089	0.114
Mean	0.091	0.091	0.086	0.090	0.093	0.093	0.094	0.105	0.097	0.097	0.125	0.104	0.088	0.088	0.109
Std. Devn.	0.0074	0.0055	0.0031	0.0082	0.0117	0.0075	0.0038	0.0092	0.0170	0.0131	0.0122	0.0084	0.0079	0.0033	0.0121
% RSD	8.14	6.12	3.59	9.07	12.60	8.06	4.09	8.77	17.51	13.53	9.80	8.11	8.96	3.70	11.10
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
ME-8-1	62	65	66.2	59.4	63	60	60.7	51.7	58	63.2	63.2	64.0	63	43.6	59.1
ME-8-2	61	64	66.4	58.7	63	61	58.6	52.5	58	62.1	61.7	70.0	62	47.0	58.2
ME-8-3	61	62	66.5	59.2	62	62	61.1	51.7	59	63.5	63.6	65.5	63	46.0	58.3
ME-8-4	60	60	66.7	60.4	64	62	60.0	51.7	59	61.7	62.3	65.0	63	44.1	58.3
ME-8-5	59	63	66.5	60.0	61	60	60.8	53.0	60	63.3	62.9	69.5	64	42.8	59.2
ME-8-6	60	62	66.7	59.1	61	61	59.7	51.2	60	63.2	62.4	65.5	63	47.3	58.1
ME-8-7	59	63	66.3	60.0	62	63	58.0	51.4	59	62.2	63.5	66.5	63	45.0	60.9
ME-8-8	60	61	66.5	59.3	61	61	58.6	51.7	56	61.6	62.3	63.5	63	46.4	59.9
ME-8-9	60	61	67.3	58.9	61	61	62.6	52.4	61	63.3	61.0	65.0	63	43.5	59.8
ME-8-10	54	59	66.2	59.7	62	59	62.4	51.2	57	61.3	61.5	66.5	62	42.7	59.6
Mean	59.6	62.0	66.5	59.5	62.0	61.0	60.3	51.9	58.7	62.5	62.4	66.1	62.8	44.8	59.1
Std. Devn.	2.171	1.826	0.323	0.542	1.054	1.155	1.572	0.595	1.494	0.842	0.869	2.145	0.380	1.737	0.925
% RSD	3.64	2.94	0.49	0.91	1.70	1.89	2.61	1.15	2.55	1.35	1.39	3.24	0.61	3.87	1.56

NOTE: Au data from Lab. 11 was excluded for failing the “t” test.
Ag data from Labs 8 and 14 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-8

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
ME-8-1	0.098	0.106	0.110	0.096	0.101	0.099	0.106	0.111	0.092	0.103	0.103	0.103	0.103	0.104	0.089
ME-8-2	0.097	0.105	0.109	0.094	0.099	0.100	0.104	0.115	0.093	0.104	0.105	0.106	0.103	0.109	0.091
ME-8-3	0.101	0.105	0.116	0.092	0.098	0.102	0.106	0.109	0.095	0.103	0.103	0.107	0.102	0.111	0.095
ME-8-4	0.098	0.104	0.109	0.095	0.099	0.101	0.105	0.108	0.094	0.104	0.103	0.105	0.104	0.107	0.091
ME-8-5	0.099	0.104	0.111	0.096	0.097	0.101	0.106	0.107	0.094	0.104	0.105	0.106	0.105	0.107	0.092
ME-8-6	0.099	0.104	0.112	0.094	0.098	0.100	0.106	0.113	0.098	0.104	0.102	0.104	0.103	0.111	0.088
ME-8-7	0.099	0.103	0.105	0.097	0.101	0.104	0.103	0.111	0.094	0.104	0.102	0.103	0.104	0.108	0.090
ME-8-8	0.100	0.105	0.107	0.095	0.099	0.102	0.103	0.106	0.092	0.104	0.103	0.104	0.104	0.109	0.085
ME-8-9	0.099	0.104	0.106	0.097	0.099	0.104	0.105	0.110	0.098	0.105	0.106	0.105	0.104	0.105	0.082
ME-8-10	0.091	0.102	0.112	0.093	0.100	0.100	0.104	0.109	0.093	0.103	0.105	0.106	0.102	0.099	0.085
Mean	0.098	0.104	0.110	0.095	0.099	0.101	0.105	0.110	0.094	0.104	0.104	0.105	0.103	0.107	0.089
Std. Devn.	0.0027	0.0011	0.0033	0.0016	0.0013	0.0017	0.0012	0.0026	0.0022	0.0006	0.0014	0.0014	0.0009	0.0035	0.0039
% RSD	2.78	1.09	2.98	1.71	1.30	1.68	1.17	2.37	2.29	0.61	1.37	1.31	0.83	3.29	4.37
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
ME-8-1	1.90	1.98	1.93	1.91	1.96	1.89	2.08	1.82	1.98	1.95	1.93	1.71	1.99	2.20	1.92
ME-8-2	1.88	1.97	1.95	1.92	1.98	1.96	2.05	1.83	1.98	1.94	1.94	1.78	1.98	2.15	1.91
ME-8-3	1.93	1.95	1.95	1.92	1.93	1.96	2.02	1.75	1.95	1.96	1.94	1.69	1.99	2.15	1.91
ME-8-4	1.91	1.95	1.93	1.93	1.95	1.91	2.10	1.76	1.95	1.95	1.94	1.75	2.00	2.15	1.92
ME-8-5	1.91	1.97	1.95	1.89	1.89	1.93	2.08	1.92	1.95	1.95	1.94	1.63	2.00	2.10	1.93
ME-8-6	1.88	1.96	1.96	1.93	1.94	1.91	2.05	1.78	1.97	1.96	1.93	1.63	1.99	2.05	1.92
ME-8-7	1.89	1.93	1.94	1.91	1.95	1.96	2.02	1.83	1.96	1.93	1.94	1.62	1.98	2.10	1.92
ME-8-8	1.92	1.94	1.99	1.93	1.94	1.93	2.04	1.84	1.96	1.93	1.94	1.69	1.99	2.10	1.92
ME-8-9	1.90	1.94	1.92	1.91	1.95	1.89	2.11	1.83	1.97	1.95	1.96	1.73	1.99	2.20	1.94
ME-8-10	1.78	1.91	1.93	1.89	1.95	1.9	2.09	1.73	1.98	1.92	1.95	1.69	1.98	2.05	1.91
Mean	1.89	1.95	1.95	1.91	1.94	1.92	2.06	1.81	1.97	1.94	1.94	1.69	1.99	2.13	1.92
Std. Devn.	0.0419	0.0219	0.0201	0.0140	0.0232	0.0284	0.0324	0.0555	0.0114	0.0135	0.0088	0.0535	0.0079	0.0540	0.0070
% RSD	2.22	1.13	1.04	0.74	1.19	1.47	1.57	3.07	0.58	0.69	0.45	3.16	0.40	2.54	0.36
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
ME-8-1	1.88	1.94	1.91	1.88	1.90	1.90	2.14	1.89	1.97	1.93	1.91	1.98	1.99	2.25	1.86
ME-8-2	1.87	1.94	1.96	1.89	1.93	1.95	2.15	1.90	1.95	1.92	1.93	1.97	2.00	2.15	1.87
ME-8-3	1.91	1.91	1.95	1.89	1.86	1.95	2.12	1.81	1.95	1.92	1.90	1.96	1.99	2.15	1.88
ME-8-4	1.89	1.92	1.95	1.90	1.90	1.94	2.15	1.81	1.93	1.92	1.92	1.96	1.98	2.25	1.88
ME-8-5	1.89	1.92	1.96	1.87	1.82	1.94	2.10	1.99	1.94	1.94	1.91	1.97	1.99	2.15	1.89
ME-8-6	1.86	1.90	1.98	1.88	1.86	1.94	2.10	1.85	1.95	1.93	1.91	1.94	1.98	2.05	1.86
ME-8-7	1.88	1.88	1.94	1.92	1.88	1.99	2.15	1.91	1.95	1.92	1.91	1.94	1.99	2.10	1.87
ME-8-8	1.89	1.91	1.99	1.91	1.87	1.97	2.09	1.90	1.97	1.91	1.94	1.94	1.99	2.15	1.86
ME-8-9	1.87	1.91	1.93	1.89	1.89	1.93	2.14	1.90	1.96	1.93	1.94	1.96	1.99	2.15	1.88
ME-8-10	1.76	1.88	1.96	1.87	1.88	1.91	2.16	1.82	1.96	1.91	1.93	1.96	1.99	2.15	1.85
Mean	1.87	1.91	1.95	1.89	1.88	1.94	2.13	1.88	1.95	1.92	1.92	1.96	1.99	2.16	1.87
Std. Devn.	0.0411	0.0219	0.0231	0.0162	0.0296	0.0262	0.0254	0.0563	0.0124	0.0095	0.0141	0.0140	0.0053	0.0599	0.0134
% RSD	2.20	1.15	1.18	0.86	1.58	1.35	1.19	3.00	0.64	0.49	0.74	0.71	0.26	2.78	0.72

NOTE: Cu data from Lab 15 was excluded for failing the “t” test.
Pb data from Labs 12 and 14 was excluded for failing the “t” test.
Zn data from Labs 7 and 14 was excluded for failing the “t” test.

REFERENCE MATERIAL CDN-ME-8

Participating Laboratories:

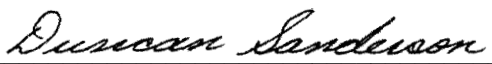
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Actlabs-Ancaster, Ontario, Canada
Actlabs-Thunder Bay, Ontario, Canada
ALS Chemex Laboratories, North Vancouver
Assayers Canada Ltd., Vancouver
Eco Tech, B.C., Canada
Genalysis Laboratory, Australia
Inspectorate America, Sparks, Nevada, USA
IPL, Richmond, B.C., Canada
Labtium Laboratory, Finland
Omac Laboratories Ltd., Ireland
SGS Toronto, Ontario, Canada
Skyline Laboratories, Arizona, USA
TSL Laboratories Ltd., Saskatoon
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

10945-B River Road, Delta, B.C., Canada, V4C 2R8, 604-540-2233, Fax: 604-540-2237 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-SE-1

Recommended values and the "Between Lab" Two Standard Deviations

Gold 0.480 ± 0.034 g/t
Silver 712 ± 57 g/t
Copper 0.097 ± 0.005 %
Lead 1.92 ± 0.09 %
Zinc 2.65 ± 0.20 %

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: May 15, 2007

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Silver Eagle Mines Inc. from their Miguel Auza property. The material is from a relatively coarse-grained, epithermal Pb-Zn-Ag vein with accessory pyrite, calcite, quartz, sericite and clays. Principal ore minerals are galena, sphalerite, argentite, native silver (electrum?) and minor silver sulphosalts. The latter may comprise one or more of iodargyrite, proustite-pyrargyrite, pearceite-polybasite, nuammanite, aguilarite and eucarite. Arsenic, lesser antimony and copper and minor selenium are all present. The sample was taken from the transition zone between the near-surface oxidized zone and the unweathered (protore) zone of primary sulphides. As such, some cerussite (PbCO₃) and smithsonite (ZnCO₃) are probably present.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	51.6	Na ₂ O	0.1
Al ₂ O ₃	8.3	MgO	0.6
Fe ₂ O ₃	17.0	K ₂ O	3.1
CaO	2.8	TiO ₂	0.4
MnO	0.3	LOI	12.2
S	12.7	C	1.1

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

STANDARD REFERENCE MATERIAL CDN-SE-1

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).

Ag: either fire assay, gravimetric or 4 acid digestion, ICP finish

Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

Round-robin assay results:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
SE1-1	0.48	0.43	0.484	0.49	0.46	0.51	0.500	0.52	0.485	0.494	0.475	0.406
SE1-2	0.45	0.44	0.492	0.49	0.46	0.50	0.500	0.51	0.482	0.484	0.465	0.461
SE1-3	0.46	0.49	0.484	0.47	0.44	0.50	0.467	0.50	0.496	0.474	0.475	0.489
SE1-4	0.49	0.44	0.487	0.47	0.46	0.48	0.467	0.48	0.498	0.485	0.475	0.437
SE1-5	0.47	0.46	0.482	0.47	0.48	0.49	0.500	0.45	0.494	0.474	0.475	0.463
SE1-6	0.45	0.48	0.486	0.47	0.47	0.49	0.500	0.48	0.503	0.475	0.465	0.448
SE1-7	0.48	0.48	0.487	0.48	0.46	0.51	0.533	0.49	0.501	0.490	0.480	0.493
SE1-8	0.49	0.45	0.490	0.47	0.46	0.47	0.500	0.49	0.490	0.493	0.475	0.418
SE1-9	0.47	0.44	0.484	0.47	0.49	0.50	0.500	0.50	0.499	0.483	0.460	0.473
SE1-10	0.5	0.46	0.491	0.47	0.47	0.48	0.467	0.50	0.499	0.484	0.480	0.435
Mean	0.47	0.46	0.49	0.48	0.47	0.49	0.49	0.49	0.49	0.48	0.47	0.45
Std. Devn.	0.017	0.019	0.003	0.008	0.014	0.013	0.021	0.019	0.007	0.007	0.007	0.029
% RSD	3.61	4.22	0.69	1.79	2.91	2.71	4.23	3.93	1.41	1.54	1.43	6.38
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
SE1-1	716	697	703.2	708.6	645	760	706.2	744	691	716	709.2	730
SE1-2	725	724	701.4	720.6	705	760	695.6	757	652	709	666.1	746
SE1-3	723	682	704.8	716.8	642	755	707.6	731	644	710	698.7	757
SE1-4	714	681	703.2	720.3	726	750	694.1	742	630	721	714.6	735
SE1-5	718	680	698.3	716	679	750	694.6	827	641	716	696.5	757
SE1-6	727	688	704.1	705.4	671	770	694.0	731	660	708	713.4	735
SE1-7	725	694	704.9	720.5	717	760	692.5	752	663	707	710.9	735
SE1-8	729	698	700.2	724.4	654	770	695.9	732	682	708	701.8	751
SE1-9	731	662	697.0	726.7	697	770	701.4	739	678	721	669.6	735
SE1-10	719	675	704.6	726.6	664	750	692.8	734	665	718	718.7	746
Mean	723	688	702	719	698	760	697	749	661	713	700	743
Std. Devn.	5.72	16.69	2.83	7.13	36.53	8.32	5.57	28.85	19.38	5.45	18.37	9.99
% RSD	0.79	2.43	0.40	0.99	5.23	1.10	0.80	3.85	2.93	0.76	2.62	1.35

STANDARD REFERENCE MATERIAL CDN-SE-1

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
SE1-1	0.096	0.097	0.10	0.095	0.095	0.098	0.096	0.098	0.101	0.099	0.093	0.098
SE1-2	0.095	0.097	0.10	0.095	0.097	0.096	0.095	0.098	0.099	0.097	0.093	0.095
SE1-3	0.095	0.096	0.10	0.094	0.094	0.097	0.095	0.098	0.098	0.097	0.094	0.098
SE1-4	0.095	0.096	0.12	0.094	0.094	0.098	0.094	0.098	0.101	0.098	0.094	0.098
SE1-5	0.094	0.096	0.10	0.094	0.093	0.095	0.096	0.108	0.098	0.098	0.093	0.096
SE1-6	0.097	0.098	0.10	0.092	0.094	0.098	0.097	0.098	0.096	0.098	0.095	0.096
SE1-7	0.098	0.101	0.10	0.094	0.093	0.098	0.095	0.098	0.101	0.098	0.094	0.099
SE1-8	0.095	0.099	0.10	0.093	0.093	0.096	0.093	0.099	0.098	0.097	0.092	0.099
SE1-9	0.098	0.098	0.10	0.093	0.094	0.098	0.095	0.098	0.099	0.099	0.092	0.100
SE1-10	0.096	0.100	0.10	0.091	0.094	0.097	0.095	0.097	0.095	0.098	0.093	0.099
Mean	0.096	0.098	0.101	0.094	0.094	0.097	0.095	0.099	0.099	0.098	0.093	0.098
Std. Devn.	0.0014	0.0018	0.0070	0.0013	0.0011	0.0011	0.0011	0.0032	0.0021	0.0008	0.0009	0.0016
% RSD	1.43	1.79	6.91	1.36	1.18	1.13	1.16	3.23	2.09	0.85	1.02	1.66
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
SE1-1	1.98	1.93	1.94	1.94	1.90	2.10	1.89	2.01	2.04	1.86	1.87	1.87
SE1-2	1.93	1.89	1.90	1.94	1.91	2.08	1.91	2.01	2.02	1.84	1.89	1.89
SE1-3	1.93	1.88	1.96	1.95	1.89	2.10	1.89	1.94	2.01	1.86	1.89	1.87
SE1-4	1.95	1.90	1.95	1.93	1.90	2.08	1.91	2.04	2.08	1.85	1.88	1.87
SE1-5	1.93	1.92	1.97	1.95	1.86	2.08	1.88	2.22	1.98	1.84	1.89	1.89
SE1-6	1.93	1.93	1.88	1.92	1.89	2.12	1.88	2.01	1.94	1.87	1.89	1.86
SE1-7	2.03	1.95	1.92	1.91	1.89	2.10	1.90	2.04	2.03	1.86	1.91	1.84
SE1-8	1.92	1.93	1.89	1.94	1.89	2.11	1.89	2.01	1.96	1.88	1.89	1.87
SE1-9	1.97	1.91	1.92	1.95	1.89	2.10	1.89	2.05	2.02	1.88	1.87	1.85
SE1-10	1.95	1.95	1.91	1.93	1.90	2.10	1.91	1.96	1.94	1.85	1.88	1.87
Mean	1.95	1.92	1.92	1.94	1.89	2.10	1.89	2.03	2.00	1.86	1.89	1.87
Std. Devn.	0.0336	0.0238	0.0305	0.0135	0.0128	0.0134	0.0123	0.0755	0.0459	0.0132	0.0116	0.0167
% RSD	1.72	1.24	1.58	0.70	0.68	0.64	0.65	3.72	2.29	0.71	0.62	0.89
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
SE1-1	2.82	2.59	2.60	2.54	2.70	2.91	2.79	2.87	2.72	2.63	2.58	2.54
SE1-2	2.73	2.65	2.58	2.49	2.63	2.95	2.76	2.85	2.68	2.62	2.60	2.49
SE1-3	2.76	2.66	2.65	2.53	2.66	2.84	2.83	2.88	2.66	2.61	2.60	2.55
SE1-4	2.79	2.62	2.64	2.49	2.61	2.85	2.78	2.90	2.75	2.61	2.57	2.51
SE1-5	2.71	2.64	2.63	2.50	2.64	2.86	2.77	3.23	2.63	2.63	2.63	2.57
SE1-6	2.76	2.64	2.53	2.52	2.68	2.83	2.77	2.92	2.58	2.63	2.60	2.54
SE1-7	2.78	2.63	2.63	2.53	2.67	2.87	2.86	2.92	2.73	2.61	2.62	2.53
SE1-8	2.75	2.57	2.54	2.51	2.68	2.88	2.82	2.93	2.62	2.65	2.60	2.56
SE1-9	2.84	2.61	2.54	2.52	2.65	2.82	2.80	2.92	2.69	2.66	2.64	2.58
SE1-10	2.80	2.63	2.58	2.54	2.67	2.86	2.79	2.83	2.57	2.66	2.58	2.55
Mean	2.77	2.62	2.59	2.52	2.66	2.87	2.80	2.93	2.66	2.63	2.60	2.54
Std. Devn.	0.040	0.028	0.045	0.019	0.029	0.039	0.031	0.112	0.062	0.020	0.023	0.027
% RSD	1.44	1.05	1.75	0.75	1.07	1.36	1.12	3.84	2.34	0.77	0.88	1.06

**NOTE : Pb data from Lab. 6 was removed for failing the “t” test.
Zn data from Lab. 8 was removed for failing the “t” test.**

STANDARD REFERENCE MATERIAL CDN-SE-1

Participating Laboratories:

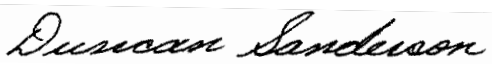
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alaska Assay Lab., USA
Alex Stewart Assayers (Argentina) Ltd.
Eco Tech Laboratory, Kamloops, B.C.
Genalysis Laboratory Services, Australia
GTK Laboratory, Finland
OMAC Laboratory Ltd., Ireland
Skyline Laboratory, Arizona, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories Ltd., Saskatoon

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

10945-B River Road, Delta, B.C., Canada, V4C 2R8, 604-540-2233, Fax: 604-540-2237 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-SE-2

Recommended values and the "Between Lab" Two Standard Deviations

Gold	0.242 ± 0.018 g/t
Silver	354 ± 21 g/t
Copper	0.049 ± 0.003 %
Lead	0.957 ± 0.044 %
Zinc	1.34 ± 0.11 %

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: May 15, 2007

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 6 days in a double-cone blender. Splits were taken and sent to twelve laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Silver Eagle Mines Inc. from their Miguel Auza property. The material is from a relatively coarse-grained, epithermal Pb-Zn-Ag vein with accessory pyrite, calcite, quartz, sericite and clays. Principal ore minerals are galena, sphalerite, argentite, native silver (electrum?) and minor silver sulphosalts. The latter may comprise one or more of iodargyrite, proustite-pyrargyrite, pearceite-polybasite, nuammanite, aguilarite and eucarite. Arsenic, lesser antimony and copper and minor selenium are all present. The sample was taken from the transition zone between the near-surface oxidized zone and the unweathered (protore) zone of primary sulphides. As such, some cerussite (PbCO₃) and smithsonite (ZnCO₃) are probably present. Standard CDN-SE-2 was prepared by mixing the primary ore 50:50 with A blank granitic material.

Approximate chemical composition is as follows:

	Percent		Percent
SiO ₂	60.7	Na ₂ O	1.6
Al ₂ O ₃	10.4	MgO	1.5
Fe ₂ O ₃	11.3	K ₂ O	2.0
CaO	3.2	TiO ₂	0.5
MnO	0.2	LOI	6.8
S	6.3	C	0.6

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. Outliers were defined as samples beyond the mean ± 2 Standard Deviations from all data. These outliers were removed from the data and a new mean and standard deviation was determined. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

STANDARD REFERENCE MATERIAL CDN-SE-2

Assay Procedures:

Au: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).

Ag: either fire assay, gravimetric or 4 acid digestion, ICP finish

Cu, Pb, Zn: 4-acid digestion, AA or ICP finish.

Round-robin assay results:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
SE2-1	0.24	0.247	0.25	0.27	0.24	0.25	0.233	0.24	0.250	0.232	0.235	0.253
SE2-2	0.24	0.239	0.24	0.23	0.25	0.25	0.333	0.24	0.252	0.234	0.220	0.250
SE2-3	0.20	0.241	0.24	0.23	0.25	0.26	0.333	0.24	0.249	0.231	0.235	0.242
SE2-4	0.24	0.244	0.24	0.24	0.25	0.25	0.267	0.25	0.247	0.227	0.230	0.241
SE2-5	0.25	0.248	0.25	0.22	0.24	0.25	0.233	0.24	0.247	0.222	0.230	0.250
SE2-6	0.25	0.242	0.24	0.23	0.24	0.26	0.300	0.25	0.245	0.218	0.235	0.236
SE2-7	0.24	0.246	0.25	0.24	0.23	0.26	0.333	0.25	0.249	0.232	0.230	0.246
SE2-8	0.24	0.242	0.24	0.23	0.24	0.26	0.300	0.25	0.239	0.227	0.230	0.259
SE2-9	0.25	0.237	0.25	0.23	0.25	0.25	0.300	0.25	0.240	0.229	0.235	0.254
SE2-10	0.24	0.249	0.24	0.25	0.25	0.24	0.233	0.24	0.237	0.228	0.245	0.239
Mean	0.239	0.244	0.243	0.237	0.244	0.253	0.287	0.245	0.246	0.228	0.233	0.247
Std. Devn.	0.0145	0.0040	0.0025	0.0142	0.0070	0.0067	0.0422	0.0053	0.0051	0.0049	0.0063	0.0074
% RSD	6.06	1.63	1.03	5.98	2.87	2.67	14.72	2.15	2.09	2.15	2.73	3.00
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
SE2-1	356	358	352.6	350.9	353	380	351.1	387	350	370	347.0	362
SE2-2	362	341	350.9	345.3	358	380	343.9	371	347	349	343.1	368
SE2-3	362	339	352.7	349.0	357	380	345.1	415	345	357	353.7	362
SE2-4	364	341	351.3	349.7	357	380	349.1	378	346	352	353.3	368
SE2-5	362	348	353.2	340.3	358	380	350.2	354	348	348	349.5	362
SE2-6	369	342	356.0	361.3	357	390	345.7	357	346	349	344.0	357
SE2-7	373	340	349.2	359.3	360	380	338.4	376	346	341	348.3	373
SE2-8	367	338	352.7	349.5	357	380	337.3	365	348	352	342.4	357
SE2-9	377	247	349.3	348.6	357	390	342.4	363	347	362	352.1	368
SE2-10	369	248	355.4	354.2	354	390	345.4	369	350	340	350.7	368
Mean	366	324	352	351	357	383	345	374	347	352	348	365
Std. Devn.	6.1545	40.8461	2.2656	6.1963	4.9497	4.8305	4.6377	17.6147	1.7029	9.2164	4.1861	5.2967
% RSD	1.68	12.60	0.64	1.77	1.39	1.26	1.34	4.72	0.49	2.62	1.20	1.45

NOTE : Au data from Lab. 7 was removed for failing the “t” test.

Ag data from Lab. 6 was removed for failing the “t” test.

STANDARD REFERENCE MATERIAL CDN-SE-2

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
SE2-1	0.049	0.051	0.05	0.048	0.049	0.049	0.049	0.051	0.050	0.050	0.048	0.051
SE2-2	0.050	0.052	0.05	0.048	0.048	0.048	0.049	0.050	0.049	0.050	0.048	0.056
SE2-3	0.049	0.053	0.05	0.046	0.047	0.048	0.049	0.056	0.049	0.050	0.049	0.048
SE2-4	0.049	0.049	0.05	0.048	0.048	0.048	0.049	0.050	0.050	0.050	0.047	0.049
SE2-5	0.048	0.051	0.05	0.047	0.047	0.050	0.050	0.049	0.050	0.050	0.047	0.047
SE2-6	0.048	0.052	0.05	0.048	0.047	0.047	0.050	0.048	0.050	0.050	0.048	0.049
SE2-7	0.048	0.051	0.05	0.046	0.048	0.050	0.049	0.049	0.048	0.049	0.047	0.049
SE2-8	0.050	0.050	0.05	0.048	0.048	0.048	0.049	0.049	0.049	0.050	0.047	0.050
SE2-9	0.050	0.050	0.05	0.048	0.047	0.050	0.049	0.047	0.049	0.051	0.048	0.051
SE2-10	0.049	0.051	0.05	0.048	0.048	0.050	0.049	0.049	0.05	0.050	0.050	0.050
Mean	0.049	0.051	0.051	0.048	0.048	0.049	0.049	0.050	0.049	0.050	0.048	0.050
Std. Devn.	0.0008	0.0012	0.0018	0.0008	0.0006	0.0011	0.0004	0.0024	0.0007	0.0005	0.0010	0.0024
% RSD	1.67	2.26	3.51	1.79	1.35	2.33	0.86	4.90	1.42	0.90	2.08	4.90
	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb	% Pb
SE2-1	0.96	0.94	0.99	0.99	0.94	0.97	0.95	1.02	0.96	0.95	0.94	0.92
SE2-2	0.97	0.96	1.01	0.99	0.94	0.96	0.95	1.01	0.94	0.94	0.94	0.92
SE2-3	0.97	0.96	1.00	1.01	0.94	0.97	0.94	1.10	0.94	0.95	0.96	0.94
SE2-4	0.97	0.91	1.01	1.00	0.94	0.98	0.95	1.02	0.96	0.93	0.96	0.94
SE2-5	0.95	0.95	0.97	1.00	0.94	0.97	0.95	0.96	0.96	0.93	0.96	0.93
SE2-6	0.95	0.96	0.97	1.02	0.94	0.97	0.95	0.95	0.94	0.93	0.94	0.94
SE2-7	0.95	0.95	0.99	1.01	0.93	0.96	0.95	0.99	0.92	0.93	0.95	0.95
SE2-8	0.99	0.94	0.99	1.01	0.95	0.96	0.95	0.99	0.92	0.94	0.94	0.95
SE2-9	0.97	0.95	0.95	0.99	0.95	0.97	0.96	0.95	0.93	0.94	0.95	0.96
SE2-10	0.96	0.95	0.97	0.97	0.94	0.97	0.96	0.97	0.93	0.95	0.95	0.95
Mean	0.96	0.95	0.98	1.00	0.94	0.97	0.95	1.00	0.94	0.94	0.95	0.94
Std. Devn.	0.0126	0.0149	0.0198	0.0145	0.0062	0.0044	0.0063	0.0453	0.0156	0.0093	0.0065	0.0116
% RSD	1.31	1.58	2.01	1.45	0.66	0.45	0.66	4.54	1.66	0.99	0.69	1.24
	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn	% Zn
SE2-1	1.36	1.32	1.40	1.26	1.34	1.42	1.34	1.43	1.29	1.35	1.32	1.27
SE2-2	1.38	1.31	1.40	1.24	1.33	1.45	1.34	1.40	1.26	1.33	1.31	1.25
SE2-3	1.39	1.33	1.42	1.28	1.35	1.43	1.34	1.55	1.26	1.34	1.33	1.23
SE2-4	1.39	1.30	1.42	1.28	1.34	1.43	1.33	1.44	1.29	1.32	1.33	1.27
SE2-5	1.38	1.30	1.38	1.27	1.35	1.44	1.33	1.37	1.28	1.32	1.35	1.24
SE2-6	1.39	1.29	1.37	1.26	1.35	1.41	1.32	1.36	1.27	1.33	1.32	1.28
SE2-7	1.36	1.29	1.39	1.27	1.33	1.41	1.33	1.41	1.23	1.34	1.34	1.28
SE2-8	1.42	1.28	1.39	1.26	1.34	1.43	1.33	1.39	1.25	1.32	1.33	1.28
SE2-9	1.41	1.28	1.34	1.27	1.33	1.43	1.34	1.35	1.27	1.34	1.34	1.30
SE2-10	1.38	1.27	1.36	1.28	1.34	1.44	1.35	1.42	1.26	1.34	1.34	1.29
Mean	1.39	1.30	1.39	1.27	1.34	1.43	1.34	1.41	1.27	1.33	1.33	1.27
Std. Devn.	0.0190	0.0189	0.0271	0.0125	0.0079	0.0129	0.0081	0.0569	0.0184	0.0103	0.0108	0.0223
% RSD	1.37	1.46	1.96	0.99	0.59	0.90	0.61	4.03	1.45	0.78	0.81	1.76

STANDARD REFERENCE MATERIAL CDN-SE-2

Participating Laboratories:

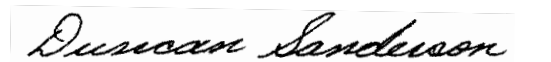
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver
Assayers Canada Ltd., Vancouver
ALS Chemex Laboratories, North Vancouver
Alaska Assay Lab., USA
Alex Stewart Assayers (Argentina) Ltd.
Eco Tech Laboratory, Kamloops, B.C.
Genalysis Laboratory Services, Australia
GTK Laboratory, Finland
OMAC Laboratory Ltd., Ireland
Skyline Laboratory, Arizona, USA
Teck Cominco - Global Discovery Laboratory, Vancouver
TSL Laboratories Ltd., Saskatoon

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.