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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMLING, PROSPECTING, MAPPING, EXCAVATOR TRENCHING AND HELICOPTER-BORNE GEOPHYSICAL SURVEYS

at the

DADE PROPERTY

Dade 1-16	YD07685-YD07700
17-74	YD108507-YD108544
77-90	YD108567-YD108580
91-96	YD108581-YD108586
97-106	YD07248-YD07257

NTS 115I/03
Latitude 62º06'N; Longitude 137º05'W

in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

WOLVERINE MINERALS CORP.
and
STRATEGIC METALS LTD.

by

H. Smith, B.Sc. Geology, P.Geo.
February 2012

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INTRODUCTION

The Dade property hosts gold-bearing quartz veins that are part of the Mount Nansen Gold Camp of southwestern Yukon. Wolverine Minerals Corp. can earn a 100% interest in the property subject to an option agreement with Strategic Metals Ltd.

This report describes a work program that was conducted intermittently between June 5 and August 27, 2011. Work performed included soil sampling, prospecting, mapping, excavator trenching and helicopter-borne magnetic and radiometric geophysical surveys. Archer, Cathro & Associates (1981) Limited performed the ground-based exploration while New Sense Geophysics Ltd. conducted the helicopter-borne geophysical surveys. The author participated in and directed this project, and her Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

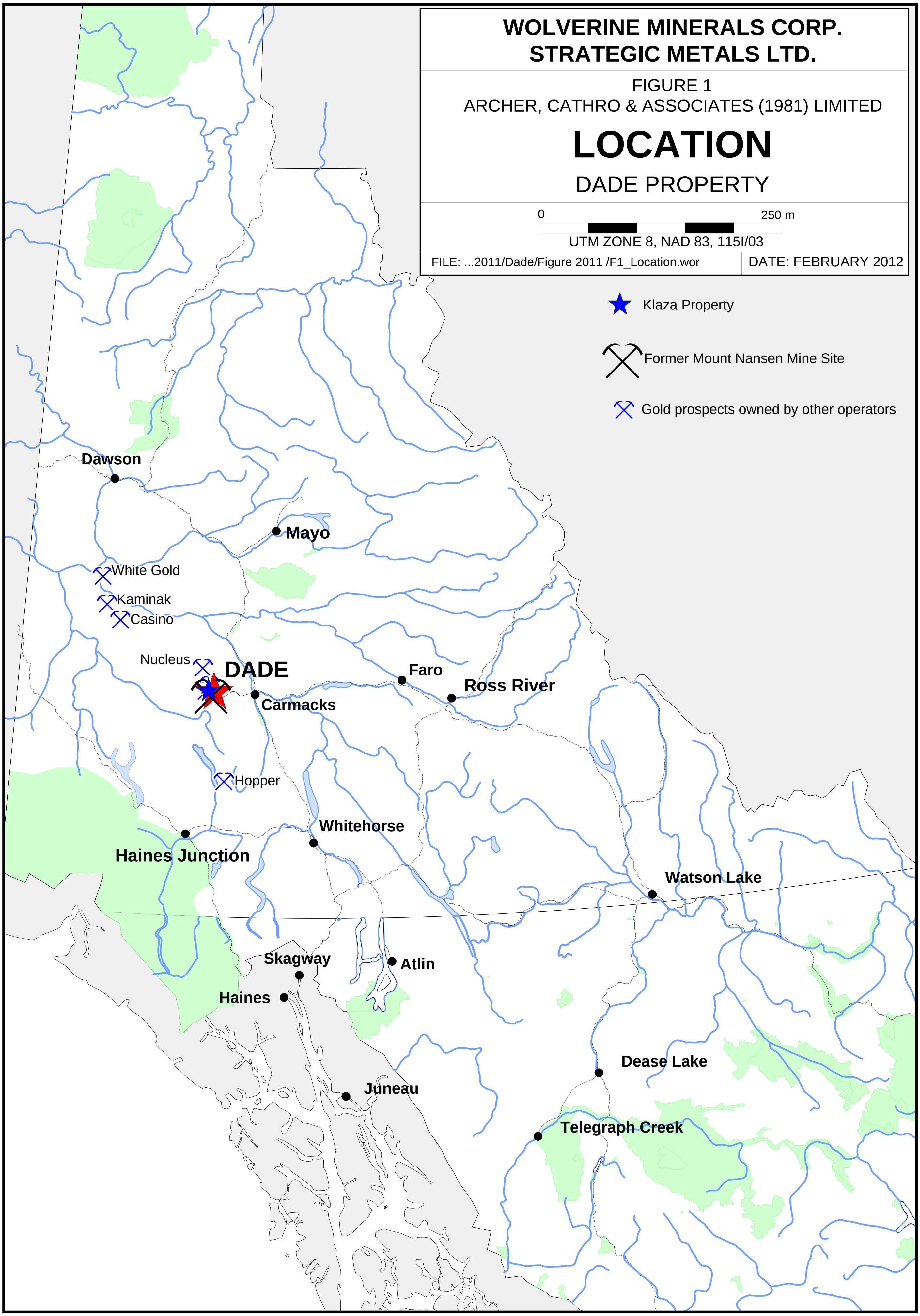
The Dade property consists of 84 non-contiguous mineral claims, which are located at latitude 62º06'N and longitude 137º05'W on NTS map sheet 115 I/03. The general location of the property is shown on Figure 1 while the locations of individual claims are illustrated on Figure 2. The claims were staked under the Yukon Quartz Mining Act and are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. The claims cover an area of approximately 1700 ha (17 sq. km). Claim registration data are listed below.

Claim Name	Grant Number	Expiry Date*
Dade 1-16	YD07685-YD07700	March 23, 2019
17-54	YD108507-YD108544	March 23, 2016
77-90	YD108567-YD108580	March 23, 2017
91-96	YD108581-YD108586	March 23, 2017
97-106	YD07248-YD07257	March 23, 2017†

* Expiry dates include 2011 work that has been filed for assessment credit.
† Application pending.

The Dade property lies six kilometres north of the former Mount Nansen Mine site, which lies about 60 km by road west of the community of Carmacks. A trail extending off the Mount Nansen road parallels Victoria Creek all the way to the Dade property (Figure 2). This road could be driven with a four-by-four truck, an all-terrain vehicle or a tracked vehicle.

In 2011, access to and from the property was provided by a Bell 206B helicopter operated by Capital Helicopters (1995) Limited from a temporary base at Rockhaven Resources Ltd.'s Klaza property, located approximately six kilometres west of the Dade property.



WOLVERINE MINERALS CORP.
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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LOCATION
DADE PROPERTY
0
250 m
UTM ZONE 8, NAD 83, 115I/03
FILE: ...2011/Dade/Figure 2011 /F1_Location.wor
DATE: FEBRUARY 2012
Klaza Property
Former Mount Nansen Mine Site
Gold prospects owned by other operators
Dawson
Mayo
White Gold
Kaminak
Casino
Nucleus
DADE
Faro
Ross River
Carmacks
Hopper
Whitehorse
Haines Junction
Watson Lake
Skagway
Atlin
Haines
Dease Lake
Juneau
Telegraph Creek

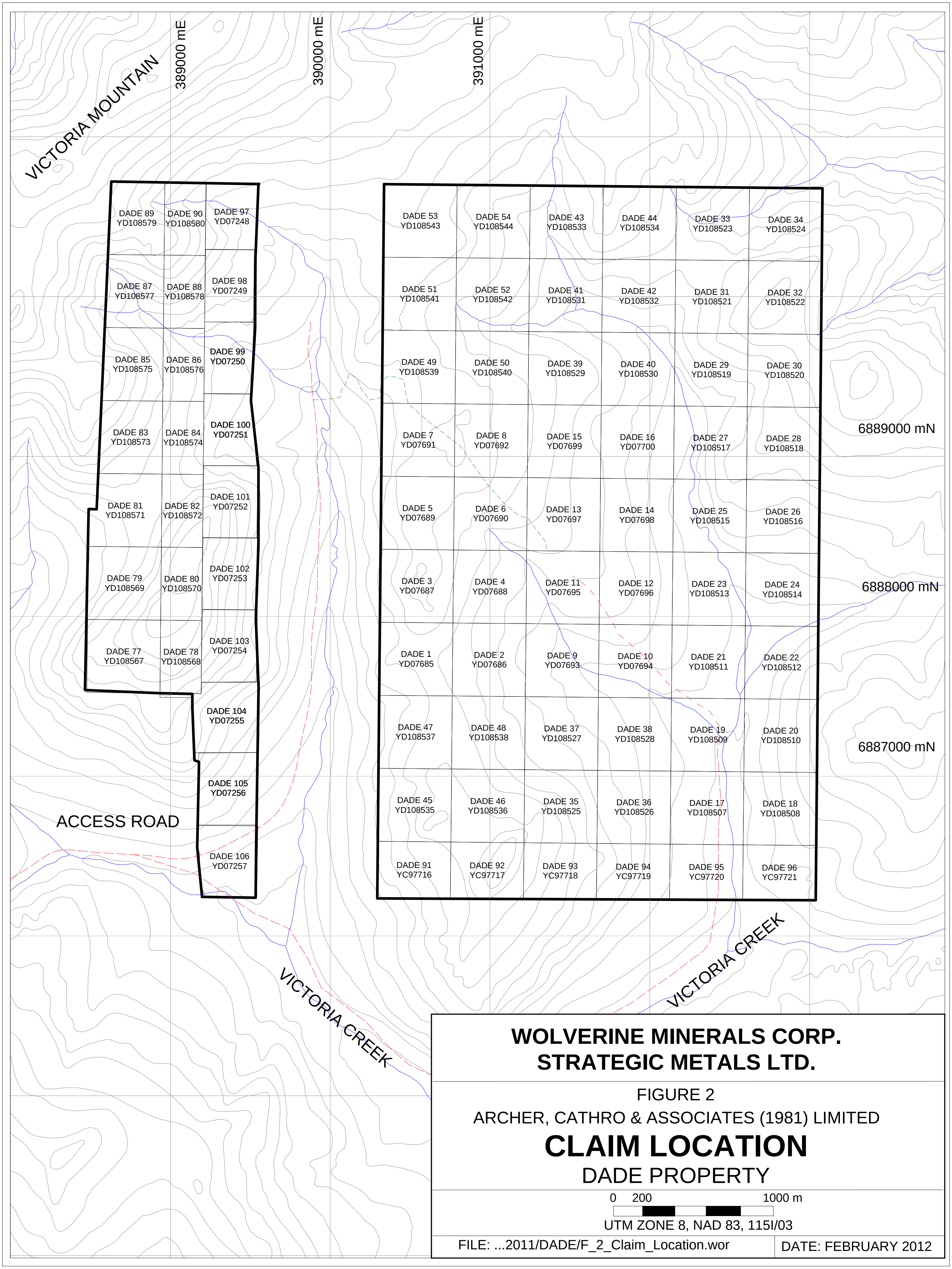

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

DADE PROPERTY

FILE: ...2011/DADE/F_2_Claim_Location.wor

DATE: FEBRUARY 2012

GEOMORPHOLOGY AND VEGETATION

The Dade property is located on the south side of Victoria Mountain (Figure 2) in the southern part of the Dawson Range. This area escaped Pleistocene glaciation, but was affected by at least one earlier glacial advance. Local elevations range from 1180 to 1465 m above sea level. The lowest areas lie near Victoria Creek. Vegetation comprises stunted black spruce, buckbrush and alder. Treeline is at about 1300 m. Bedrock exposures on the property are confined to main ridges and hillcrests. Lower slopes of the main drainage basins are extensively covered by unconsolidated colluvium and alluvial deposits.

The climate in the Dade area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from late May to late September.

PREVIOUS WORK

The first placer gold discovery in the Mount Nansen area was reportedly in 1899. Since that time, placer mining operations have been conducted on streams in the area, including Victoria Creek and some of its tributaries (Back and Eva creeks).

In the 1920s, a series of north-south trending hand trenches were dug across a mineralized quartz vein, which is referred to as the Grizzly Vein. Results from this work were not reported (Deklerk and Traynor, 2005).

In 1989, Eugene Curley, an independent prospector staked the Grizzly 1-24 claims after he rediscovered the Grizzly Vein. The vein reportedly strikes 010 to 040º and dip 60º west, is up to six metres wide, and has been traced along strike for 140 m before disappearing beneath colluvium. Work in 1989 included bulldozer and hand trenching and rock sampling. Four bulldozer trenches were excavated, but only one reached bedrock. Table I below lists data reported from this trenching (Brent, 1991).

Table I– 1989 Bulldozer trenching results

Trench Name	Volume (m^3)	Interval Length (m)	Gold (g/t)
Trench 1	10.1	-	-
Trench 2	11.3	3.5	7.2
		1.5	15.4
Trench 3	8.4	-	-
Trench 4	10.4	-	-

In 1990, eight more bulldozer trenches totalling 1900 m^3 were excavated. Mapping identified a felsic porphyry dyke and a silicified rhyolite dyke, which are associated with an altered and brecciated quartz-sulphide vein that is likely the Grizzly Vein. It was described as a white quartz vein with patchy arsenopyrite, honeycombed rusty cavities and stains of scorodite, iron and manganese oxides. A rock sample from one of the trenches returned 42.5 g/t gold, 57.9 g/t silver, greater than 3% arsenic, 185 ppm copper, 28 ppm molybdenum, 979 ppm lead, 91 ppm antimony, 34 ppm tungsten and 410 ppb mercury (Brent, 1991).

In 1994, a two day trench mapping and rock sampling program was conducted at the Grizzly Vein by Eugene Curley and Teck Corporation. Two trenches located nine metres apart on a side hill were sampled. A chip sample from the upper trench returned 0.7 g/t gold with no reported silver over 1.5 m and a chip sample from the lower trench returned 3.52 g/t gold and 8.8 g/t silver over 1.5 m (Paulter, 1994). The Grizzly Vein reportedly strikes 025 º and dips 55 º west. Gold appears to be concentrated within the pyritic and brecciated, footwall side of the vein. Despite the encouraging results, the claims were allowed to lapse following this work.

In 2002, Janet Dickson staked the JRW 1-4 claims to cover the Grizzly Vein. Work consisted of prospecting, rock sampling from existing bulldozer trenches and reconnaissance soil sampling. A rock sample of quartz vein situated adjacent to a porphyry dyke returned 1.64 g/t gold, greater than 1% arsenic, 97.9 ppm barium and greater than 200 ppm tungsten. A chip sample of white to milky white quartz with less than 0.5% pyrite, scorodite staining and limonitic fractures returned 1.24 g/t gold, 6756 ppm arsenic, 68.3 ppm bismuth and 51.2 ppm tungsten across 2.2 m. Soil sampling 200 m northeast of the old trenching area identified a gold-, arsenic- and bismuth-in-soil anomaly with values up to 31.3 ppb gold, 53.1 ppm arsenic and 1.5 ppm bismuth (Hulstein, 2003).

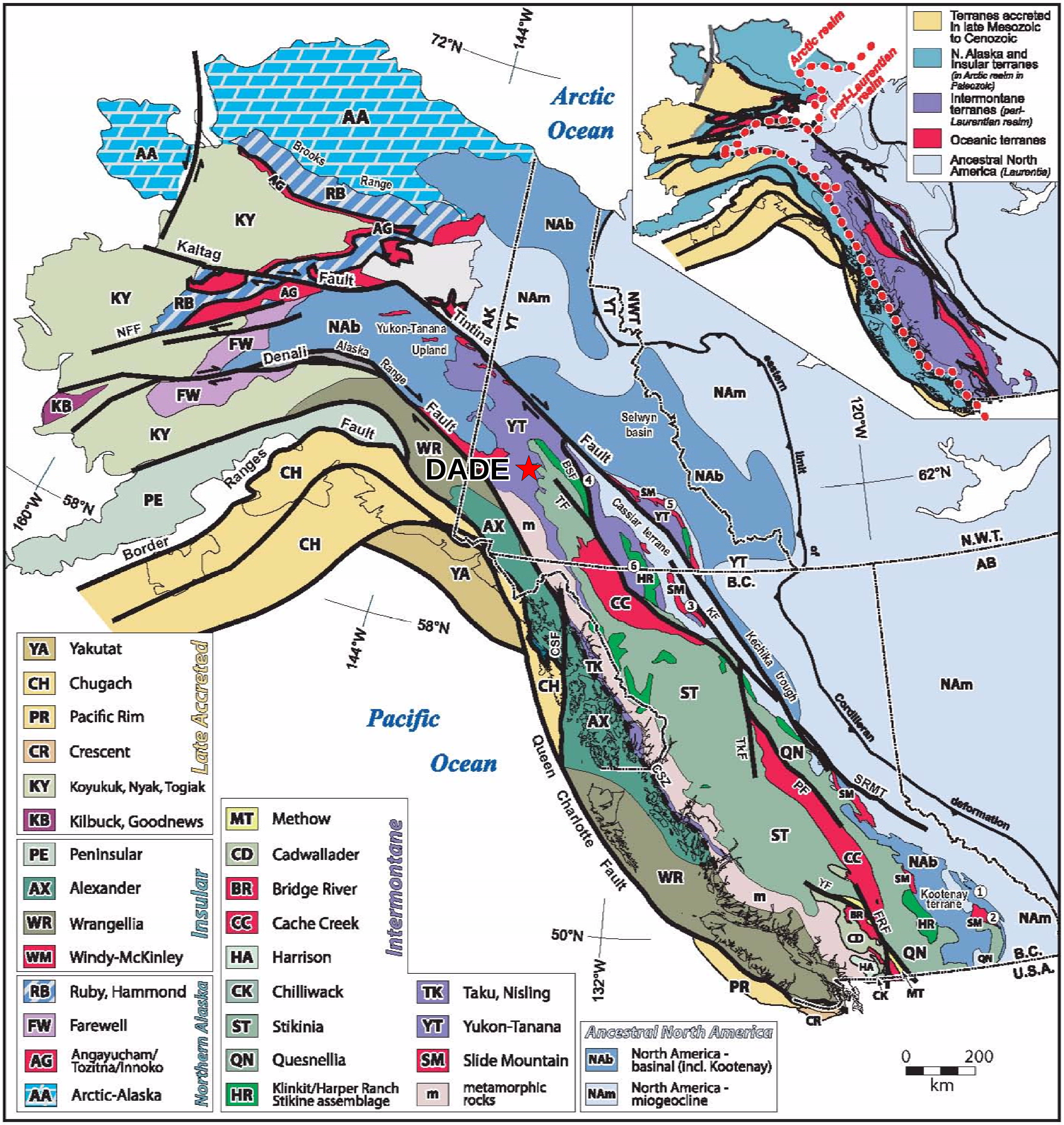
In December 2009, Strategic staked the Dade 1-16 claims. In 2010, it performed one day of soil sampling on the property. Samples were collected at 100 by 100 m spacings in the vicinity of the Grizzly Vein and at five metre intervals from the floors of existing trenches. Results from this work were positive. Grid soil samples returned background to anomalous values up to 113 ppb gold while trench floor soil samples yielded background to very anomalous results up to 4280 ppb gold (Smith, 2010). The Dade 17 to 96 claims were added in September 2010 after the results from the 2010 exploration program were known. Wolverine signed an option purchase agreement with Strategic in September 2010.

Based on the potential for discovery of additional veins on the Dade property, the Grizzly Vein has been renamed the V1 vein (V1).

REGIONAL GEOLOGY

The Dade property is located between the Tintina Fault, 120 km to the northeast, and the Denali-Shakwak Fault, 120 km to the southwest. Both faults are steeply dipping transcurrent structures that have seen hundreds of kilometres of dextral strike-slip offset. The Dade property is located within the Yukon-Tanana Terrane (YTT) as shown of Figure 3 (Nelson and Colpron, 2007). The YTT is a metamorphosed continental arc that developed along the ancient Pacific margin of North America from Late Devonian to Permian.

In 1984, the Geological Survey of Canada published a geological map of the Carmacks area (NTS map sheet 115I) at 1:250,000 scale (Templeman-Kluit, 1984). Gordey and Makepeace (2003) later completed a Yukon-wide geological compilation, which updated the lithological unit



After Nelson and Colpron (2007)

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTINGS

DADE PROPERTY

UTM ZONE 8, NAD 83, 115I/03

FILE:..2011/Dade/F_3_Tectonic_setting.wor	DATE: FEBRUARY 2012

names in the Dade area. Figure 4 illustrates geology as mapped by Templeman-Kluit and compiled by Gordey and Makepeace. The main lithological units are described in Table II.

Table II– Lithological units (*after Gordey and Makepeace, 2003*)

Map Suite	**Age**	**Map Unit**	**Description**
Prospector Mountain Suite	Late Cretaceous to Tertiary	LKdP	Coarsely crystalline gabbro and diorite.
Mount Nansen Formation	Middle Cretaceous	mKN	Massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia.
Whitehorse Suite	Middle Cretaceous	mKyW	Hornblende syenite grading to granite or granodiorite.
Pelly Gneiss Suite	Devonian, Mississippian and older	DMgPW	Foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated diorite to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite.

The northwest-trending Big Creek Fault lies approximately 10 km northeast of the Dade property. This steeply dipping feature is poorly understood, but appears to have played an important role in localizing mineralization in the Mount Nansen Gold Camp and elsewhere in the district.

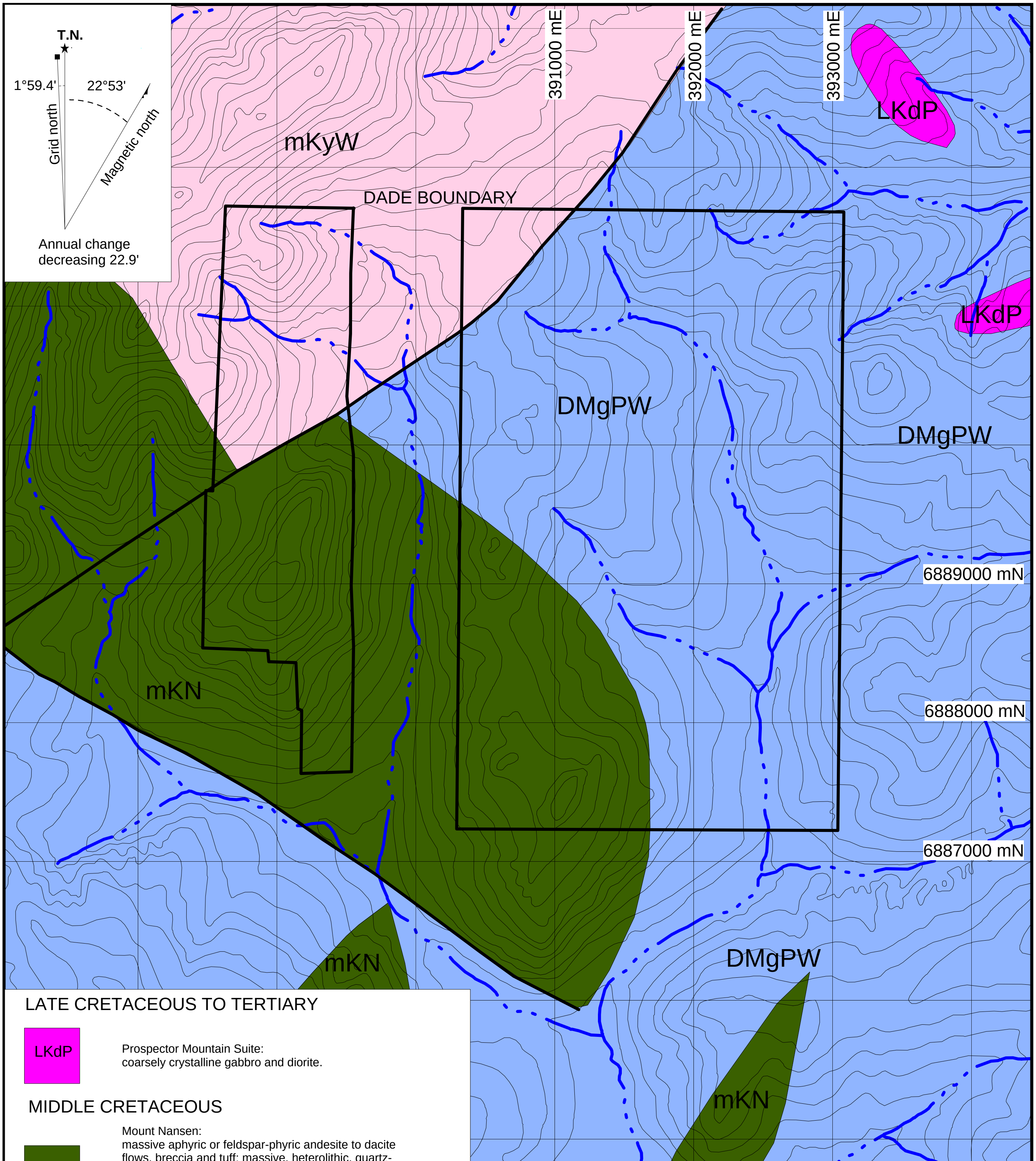
PROPERTY GEOLOGY

In 2011, G. Belik, an independent geological consultant working for Wolverine, performed property-scale mapping on the Dade property (Figure 5).

The oldest exposed units on the property are Devonian, Mississippian and older Pelly Gneiss Suite comprising biotite gneiss and schist, quartzite and orthogneiss. Outcrops of Pelly Gneiss Suite are located on the eastern and northeastern edges of the property.

The southwestern part of the property is underlain by Middle Cretaceous Mount Nansen Group volcanics including andesitic to dacitic flows, breccias and tuffs. The contact between the Pelly Gneiss Suite and the Mount Nansen Group is obscured by thick colluvium and alluvial deposits. Along the northwestern edge of the property the Mount Nansen Group has been intruded by or caps Middle Cretaceous Whitehorse Suite fine- to medium-grained hornblende syenite porphyry.

In the northern part of the property, there are three intrusive bodies that are separated by colluvium and alluvium. All are assigned to the Late Cretaceous to Tertiary Prospector Mountain Suite, and they are thought to comprise a single zoned stock. The most westerly exposure is a 1200 by 900 m body of coarse grained hornblende-quartz diorite, while the other



LATE CRETACEOUS TO TERTIARY

LKdP	Prospector Mountain Suite: coarsely crystalline gabbro and diorite.

MIDDLE CRETACEOUS

mKN	Mount Nansen: massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz- and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia.
mKyW	Whitehorse Suite: hornblende syenite, grading to granite or granodiorite.

DEVONIAN, MISSISSIPPIAN AND OLDER

DMgPW	Pelly Gneiss Suite: foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated diorite to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite.

Fault

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

DADE PROPERTY

0 500 1 Km

UTM ZONE 8, NAD 83, 115I/03

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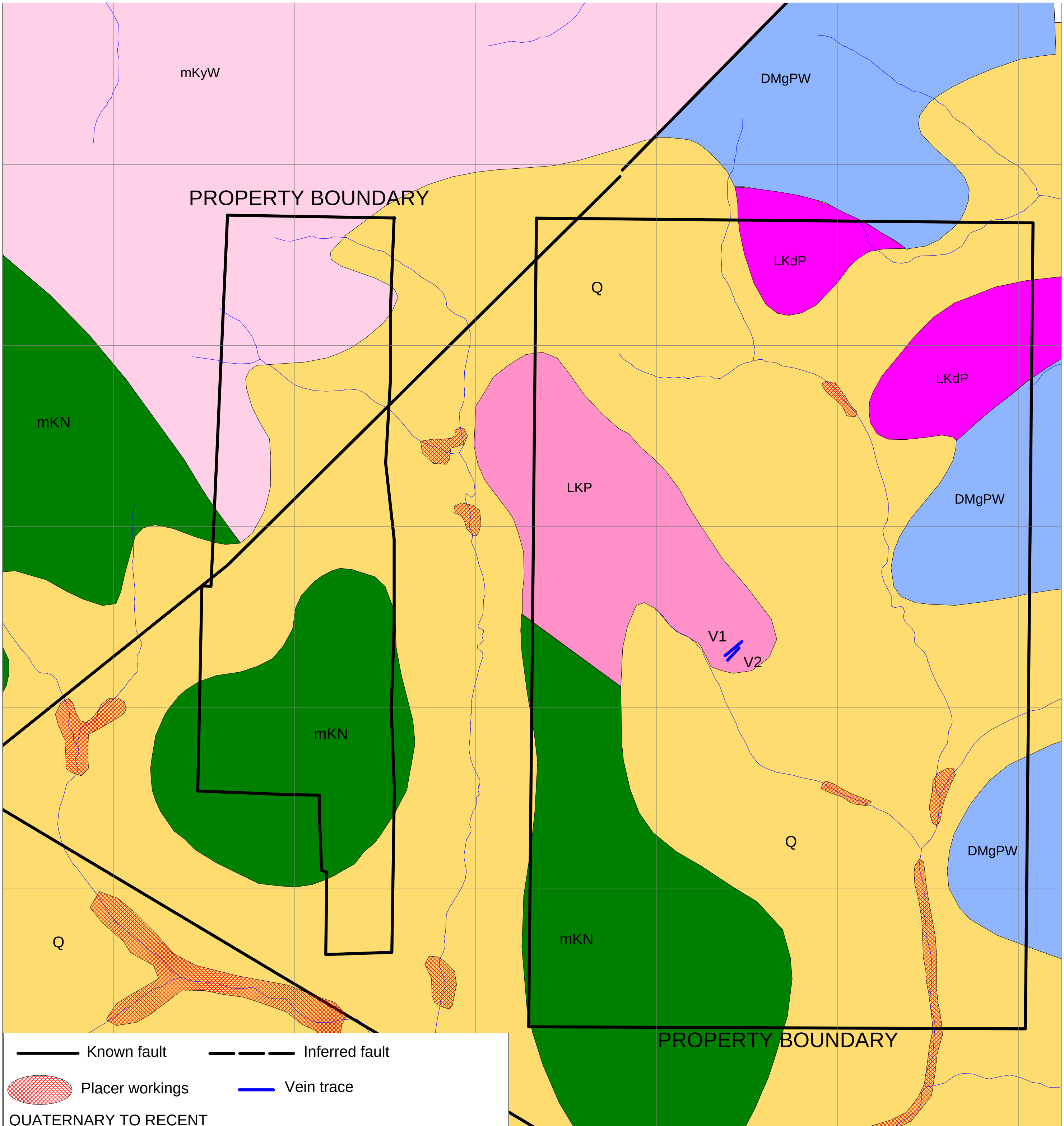

Known fault
Inferred fault
Placer workings
Vein trace

QUATERNARY TO RECENT

Q Unconsolidated colluvium and alluvium

LATE CRETACEOUS TO TERTIARY

LKdP Prospector Mountain Suite: hornblende diorite

LKP Prospector Mountain Suite: hornblende-quartz diorite

MIDDLE CRETACEOUS

mKyW Whitehorse Suite: porphyritic hornblende syenite

mKN Mount Nansen Formation: andesite to dacite flows and breccia

DEVONIAN, MISSISSIPPIAN AND OLDER

DMgPW Pelly Gneiss Suite: biotite gneiss, schist and quartzite

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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

DADE PROPERTY

UTM ZONE 8, NAD 83, 115I/03

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DATE: FEBRUARY 2012

exposures are medium grained diorite. These intrusions are generally fresh, but exhibit local argillic alteration adjacent to vein or shear zones.

On the eastern side of the property the Prospector Mountain Suite stock has been intruded by Early Tertiary quartz-feldspar porphyry dykes similar in composition to those found in other areas of the Mount Nansen Gold Camp.

A small, northwest-trending fault is located immediately southwest of the property. This fault appears to be the contact between Pelly Gneiss and Mount Nansen Suite. A northeast-trending fault, with apparent sinistral movement, cuts through the northwest corner of the property juxtaposing rocks of the Pelly Gneiss, Whitehorse and Mount Nansen suites.

REGIONAL MINERALIZATION

The Mount Nansen Gold Camp has been explored by various operators for about 100 years. It hosts more than 30 mineral occurrences of epithermal and porphyry origin. The most noteworthy example is the Brown-McDade deposit, which had a pre-production drill-indicated reserve of 600,000 tonnes at 6.1 g/t gold and 55.5 g/t silver. Production from a 500 m long open pit at the Brown-McDade deposit in 1996 and 1997 yielded 16,000 ounces gold and 83,000 ounces silver from 124,000 tonnes of ore (Hart and Langdon, 1997).

Two types of mineralization were mined at the Brown-McDade deposit. The first type is a quartz vein system hosted by a feldspar-porphyry dyke, which intruded along a contact between igneous and metamorphic rocks (mKyW and DMgPW?). The second type comprises a pipe-like breccia body within the metamorphic rocks (Stroshein, 1998). Original exploration focused on northwest-trending fault-controlled veins; however, the discovery of orthogonal veins and breccia bodies spurred additional exploration. Narrow vein systems elsewhere on the Mount Nansen property are hosted by metamorphic rocks (DMgPW).

According to Hart and Langdon (1997), there are three dominant structural orientations within the Mount Nansen Gold Camp. The main structural orientations are: 1) a northwesterly trend; 2) a 020º trend; and 3) an east-northeasterly trend. The northwesterly trending zones are continuous and form wide zones with numerous faults that host porphyry dykes and mineralized veins. This trend has steep dips and strike-slip movement. The 020º series is characteristically discontinuous and lacks intense shearing. These structures typically terminate or curve sharply into the northwest trend, which creates an important junction where larger, wider ore bodies occur. In the Brown-McDade open pit, six to ten 020º veins each 0.2 to 3.0 m in width intersect the main vein creating localized blowouts. The third set is expressed as faults, fractures and joints, which trend between 050 and 080º.

In 2010, a new gold-silver vein and breccia discovery was made within the Mount Nansen Gold Camp at Rockhaven's Klaza property. Mineralization at Klaza is associated with multiple episodes of intrusive activity, specifically related to late stage quartz-feldspar porphyry dykes intruding Middle Cretaceous Whitehorse Suite granodiorite. The mineralized zones at Klaza are marked by linear magnetic low signatures. The best drill intercept from Klaza was 3.23 g/t gold and 117.7 g/t silver over 36.50 m (Turner, 2012).

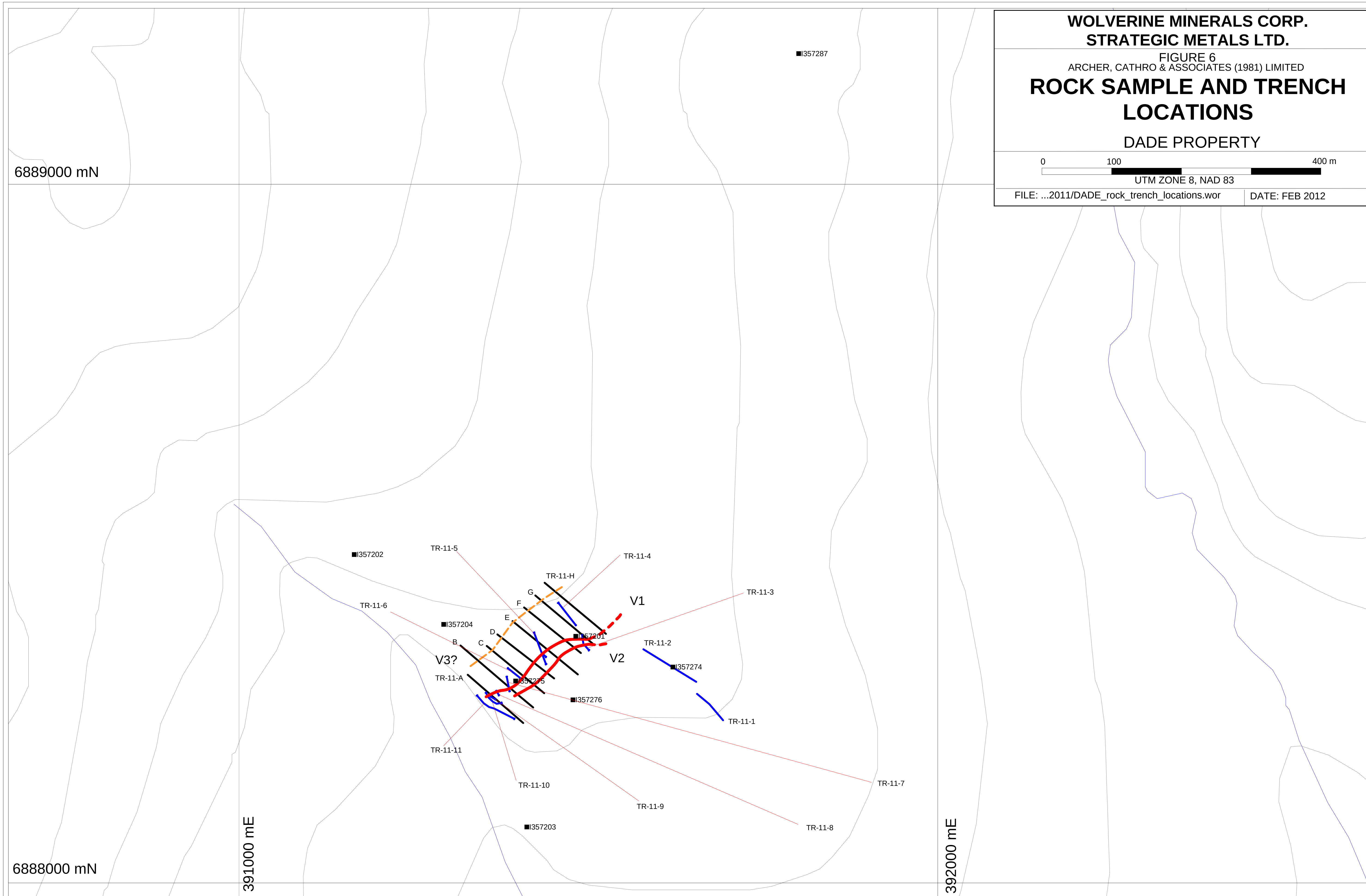

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ROCK SAMPLE AND TRENCH LOCATIONS

DADE PROPERTY

0 100 400 m

UTM ZONE 8, NAD 83

FILE: ...2011/DADE_rock_trench_locations.wor | DATE: FEB 2012

MINERALIZATION

The known mineralization on the Dade property is hosted in two, sinusoidal zones of quartz veining and stockwork, which cut fresh, coarse grained hornblende-quartz diorite of the Prospector Mountain Suite.

Trenching has exposed V1 and a second, parallel vein (V2) east of V1. V1 and V2 are epithermal quartz vein and stockwork zones associated with pervasive silicification and moderate to strong clay alteration. V1 was exposed over widths of 9 to 20 m along a 175 m strike length, while V2 was exposed over widths of 2 to 12 m along a 125 m strike length. Both veins strike about 040°, dip between 60 and 75° north and are variably fractured. These veins comprises white to grey quartz with boxwork limonite after sulphides. Some samples contain 1-3% disseminated arsenopyrite and pyrite encapsulated in quartz. Fracture surfaces are coated with abundant limonite, goethite and scorodite.

Quartz-ankerite veins found nearby range from 0.5 to 12 m thick. Typically these veins are associated with siliceous and clay-altered shear zones, but they also occur within unaltered diorite. Although there are no visible sulphides within these veins, they have produced some sub-economic grades ranging up to 0.436 g/t gold.

During prospecting in 2011 eight rock samples were collected near V1. Preparation of rock samples was carried out at ALS Chemex in Whitehorse, Yukon, where each sample was dried and fine crushed to better than 70% passing -2 mm before a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then sent to ALS Chemex in North Vancouver, British Columbia, where splits were analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-AA24 and ME-ICP41). Rock sample locations are illustrated on Figure 6, rock sample descriptions are located in Appendix II and Certificates of Analysis are located in Appendix III.

Two specimen samples of limonitic quartz vein yielded encouraging results. The first sample returned 4.27 g/t gold with 5.1 g/t silver and 347 ppm arsenic, while the second sample returned 0.469 g/t gold, 0.1 g/t silver and 159 ppm arsenic. The remaining samples yielded some elevated arsenic values up to 532 ppm, but low values for gold, silver and other elements.

MECHANIZED TRENCHING

In 2011, mechanized trenching was completed in two phases. The first phase involved two CanDig excavators and the second phase utilized a track-mounted Hitatchi 200 excavator. A total of 11 CanDig and eight Hitatchi trenches were completed (Figure 6).

Two helicopter-portable CanDigs were disassembled and flown by a Bell 206B helicopter to the property. The CanDigs re-opened historical bulldozer trenches. They removed soil and sloughed material to expose the top of bedrock and in some areas were able to penetrate up to

30 cm into bedrock. Chip samples were collected from the floors of all 11 trenches. Following the CanDig program, a Hitatchi 200 excavator was walked to the property via trails on an adjacent placer claim. It excavated eight new trenches spaced 25 m apart along the trace of V1. None of these trenches coincided with CanDig trenches. Permafrost impeded Hitatchi trenching in these previously undisturbed areas, and therefore, parts of some trenches did not reach bedrock. The location of the various trenches is shown on Figure 6, while geological cross sections displaying sample numbers are located in Appendix IV.

In areas where trenches reached bedrock, chip samples were collected at one to five metre intervals. In areas where trenches did not reach bedrock because of permafrost, composite samples were taken from rock fragments within C-horizon soil along the trench floor. The analytical techniques used for trench samples are the same as that described for rock samples in the Mineralization section.

Sampling during the first phase of trenching was performed in a similar manner as a prospecting program (i.e. no blank, standard or duplicate samples were inserted). This sampling yielded numerous high values (up to 72.9 g/t gold). The coarse rejects of these samples were sent from ALS Chemex to Acme Laboratories Ltd. in Vancouver where they were reanalyzed using a lead collection fire-assay fusion–AAS finish and a 30g gravimetric finish. Acme's analyses confirmed, and often increased (up to 76.1 g/t gold), the values reported by Chemex. The best of these veins exposed in the CanDig trenches were also re-sampled using the same intervals and these samples were subject to rigorous a QAQC protocol that involved inserting blank, standard and duplicate samples into the sample series. This second set of samples returned strongly anomalous values (up to 23.9 g/t gold) from V1, but did not exactly reproduce the original values. Values reported in news releases and this report are from the QAQC sampling program. The Hitatchi trenches were sampled using the same QAQC procedures. Certificates of Analysis are located in Appendix III.

CanDig trenches are labelled TR-11-1 to 11 and Hitatchi trenches are labelled TR-11-A to H. V1 was exposed in twelve consecutive trenches (TR-11-A to G and TR-11-05, 07 to 10) over a combined 175 m strike length. TR-11-H, the most north-easterly trench did not reach bedrock. Table III lists significant results from excavator trenching.

Table III – Significant trenching results from the 2011 program

Trench	Machine	Vein	From (m)	To (m)	Length (m)	Gold (g/t)
TR-11-A	Excavator	V1	39.5	49.0	9.5	0.97
TR-11-B	Excavator	V1	82.0	90.0	8.0	0.84
TR-11-C	Excavator	V1	63.0	71.0	8.0	1.27
TR-11-D	Excavator	V1 + V2	56.0	93.0	37.0	0.86
including		V1	56.0	67.0	11.0	1.01
and		V2	84.0	93.0	9.0	1.97
TR-11-E	Excavator	V1 + V2	67.0	99.0	32.0	1.71
including		V1	71.0	75.0	4.0	10.14
including		V2	91.0	94.0	3.0	0.86
TR-11-F	Excavator	V1	69.0	78.0	9.0	1.50

TR-11-G	Excavator	V1	95.0	104.0	9.0	1.19
TR-11-05	CanDig	V1	2.0	6.0	4.0	2.45
and		V1	27.5	37.5	10	1.27
TR-11-07	CanDig	V1	4.0	15.0	11.0	4.88
TR-11-08	CanDig	V1	0.0	6.0	6.0	1.39
TR-11-09	CanDig	V1	0.0	6.0	6.0	12.48
TR-11-10	CanDig	V1	12.0	19.0	7.0	4.29

SOIL GEOCHEMISTRY

A total of 879 soil samples were collected during the 2011 program, 328 samples were taken at three to five metre spacings along trench floors that did not reach bedrock and the remaining 591 samples collected on grids at 50 to 100 m intervals, from undisturbed sites elsewhere on the property (Figure 7).

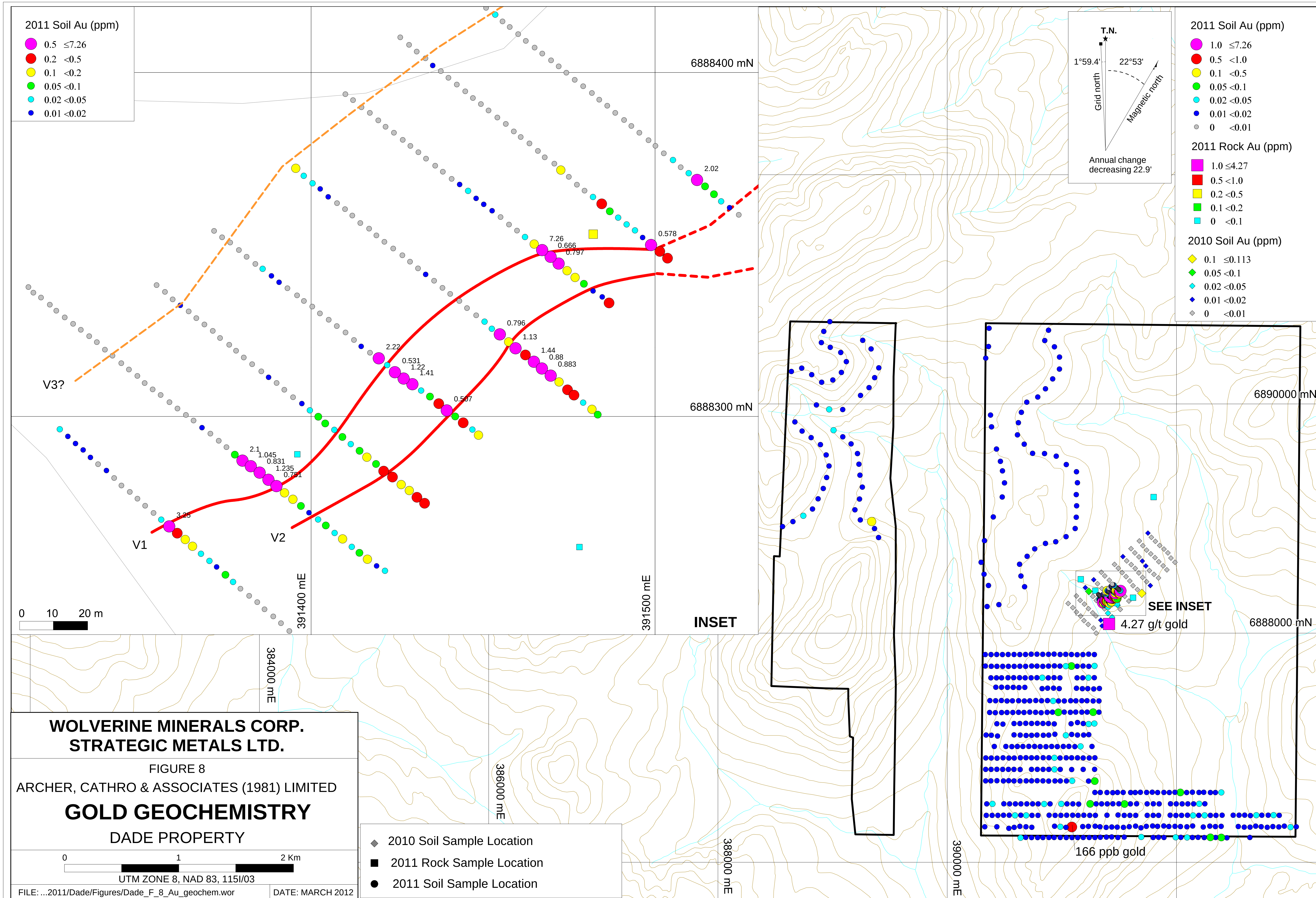
Locations for trench floor soil sample were determined using a hard-chain to survey distances, while locations for grid samples were established using hand-held GPS units. All sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Trench floor samples were dug using a hand-held auger and material was collected at or near the soil-bedrock interface. Grid samples were also dug using a hand-held auger and were collected as deep in the soil profile as ground conditions allowed, which was typically between 30 and 60 cm depth. Each sample was placed into an individually pre-numbered Kraft paper bags.

All soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are located in Appendix III. Figures 8 to 12 illustrate gold, arsenic, antimony, silver and copper geochemistry.

Due to colluvium and alluvial cover and the presence of permafrost, soil sampling returned highly variable results. In previously untrenched areas values were generally background to moderately anomalous with a single point strongly anomalous value of 166 ppb gold. Soil samples collected from trench floors yielded background to strongly anomalous values up to 7.26 g/t gold.

Trench floor soil samples successfully delineated zones of mineralization by returning background values in areas underlain by unmineralized and unaltered Prospector Mountain Suite hornblende-quartz diorite, which sharply contrast with moderately to strongly anomalous values for gold, arsenic, antimony, silver and copper along the trace or projected trace of the known veins. Anomalous values ranged from 0.100 to 7.26 g/t gold, 608 ppm to greater than 1% arsenic, 21 to 554 ppm antimony, 2.3 to 93.9 ppm silver and 103 to 1060 ppm copper.

Three samples deserve participation attention. First, a soil sample collected from TR-11-H returned 2.02 g/t gold-in-soil in an area where bedrock was not reached due to permafrost,



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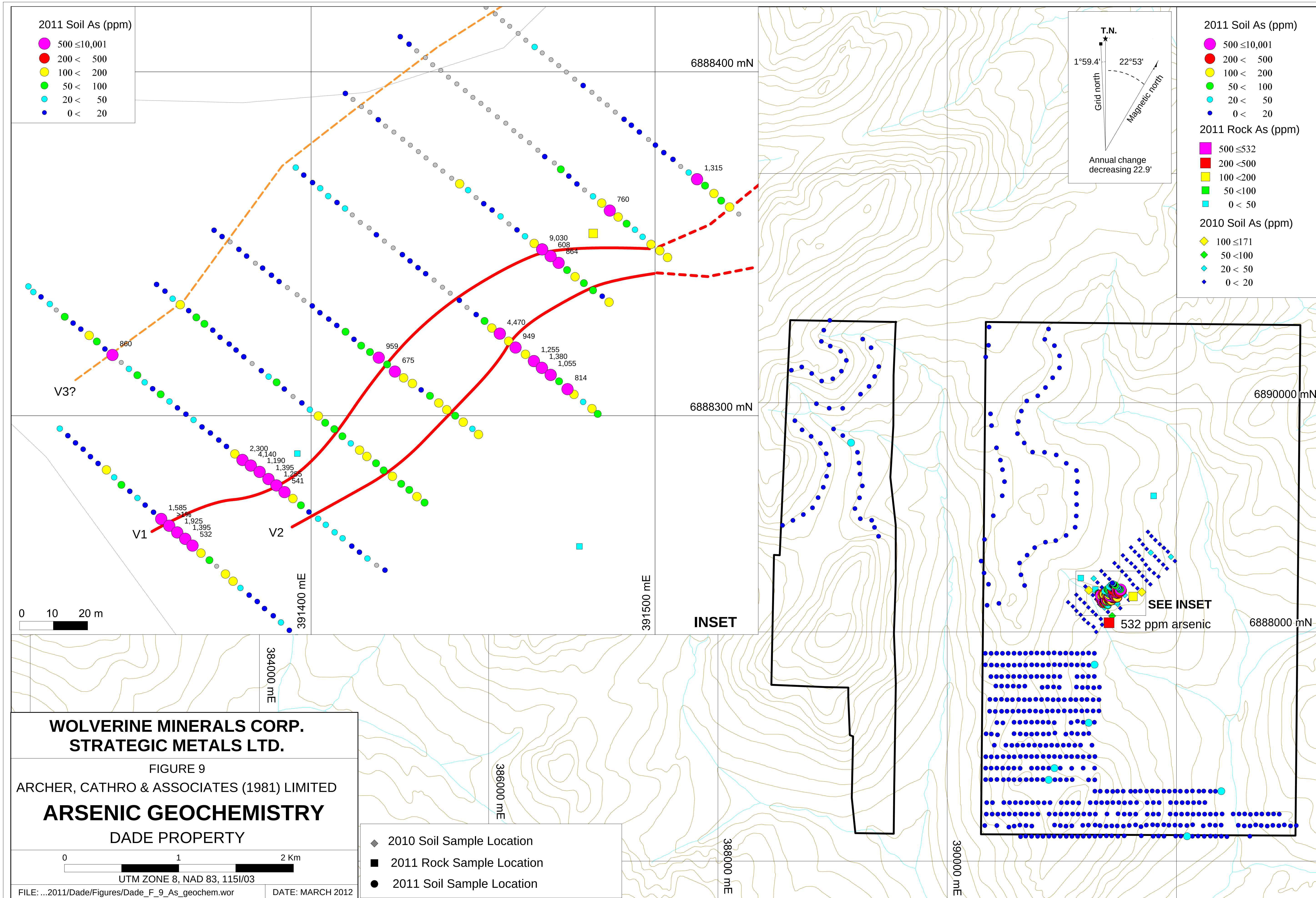
STRATEGIC METALS LTD.
FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD GEOCHEMISTRY
DADE PROPERTY
0 1 2 Km
UTM ZONE 8, NAD 83, 115I/03
FILE: ...2011/Dade/Figures/Dade_F_8_Au_geochem.wor
DATE: MARCH 2012
2010 Soil Sample Location
2011 Rock Sample Location
2011 Soil Sample Location
2011 Soil Au (ppm)
0.5 ≤7.26
0.2 <0.5
0.1 <0.2
0.05 <0.1
0.02 <0.05
0.01 <0.02
1.0 ≤7.26
0.5 <1.0
0.1 <0.5
0.05 <0.1
0.02 <0.05
0.01 <0.02
0 <0.01
2011 Rock Au (ppm)
1.0 ≤4.27
0.5 <1.0
0.2 <0.5
0.1 <0.2
0 <0.1
2010 Soil Au (ppm)
0.1 ≤0.113
0.05 <0.1
0.02 <0.05
0.01 <0.02
0 <0.01
T.N.
1°59.4'
22°53'
Grid north
Magnetic north
Annual change decreasing 22.9'
INSET
SEE INSET
4.27 g/t gold
166 ppb gold
V1
V2
V3?
0 10 20 m
6888400 mN
6888300 mN
391400 mE
391500 mE
6890000 mN
6888000 mN
384000 mE
386000 mE
388000 mE
390000 mE



WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC GEOCHEMISTRY

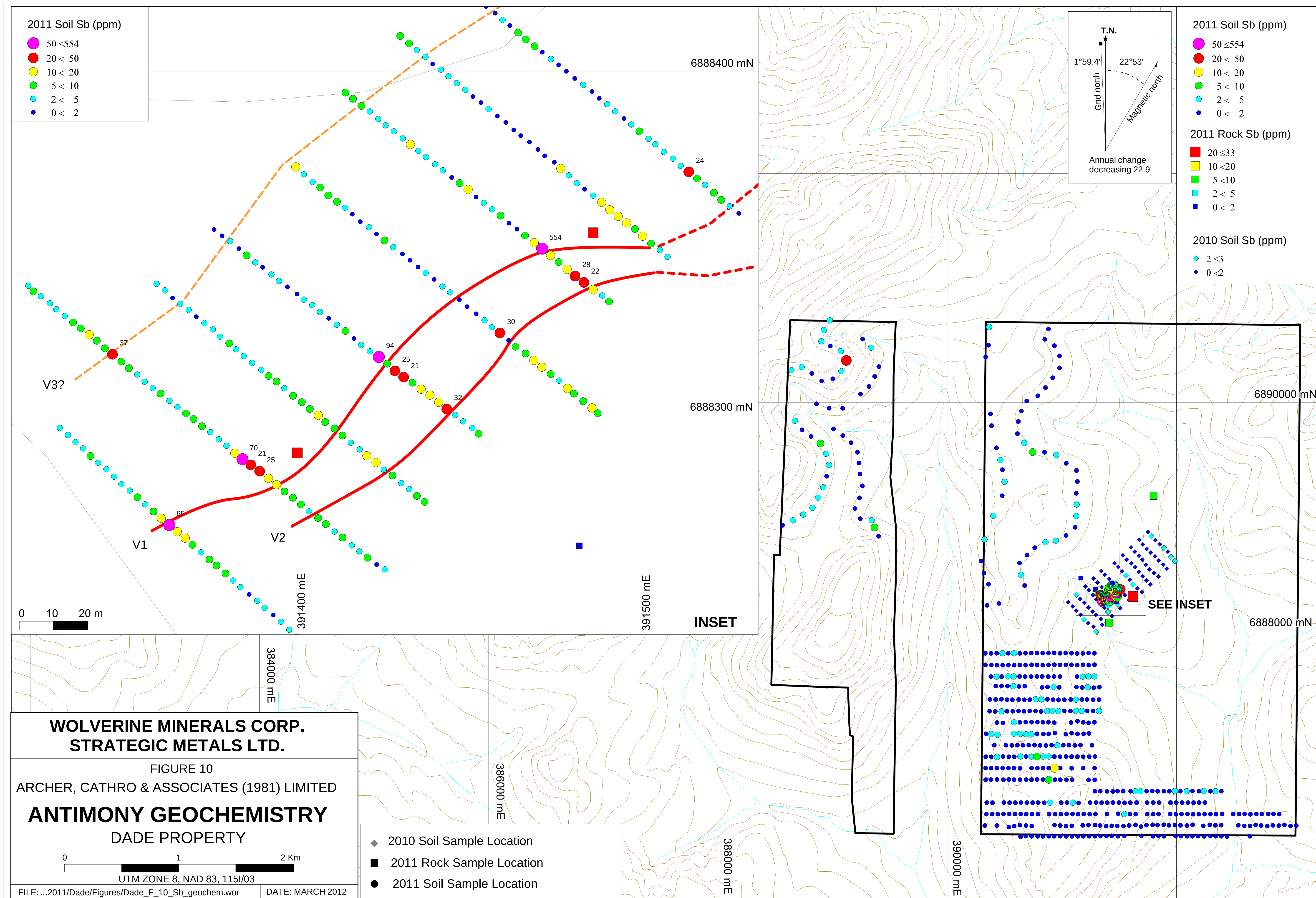
DADE PROPERTY

0 1 2 Km

UTM ZONE 8, NAD 83, 115I/03

FILE: ...2011/Dade/Figures/Dade_F_9_As_geochem.wor

DATE: MARCH 2012



WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

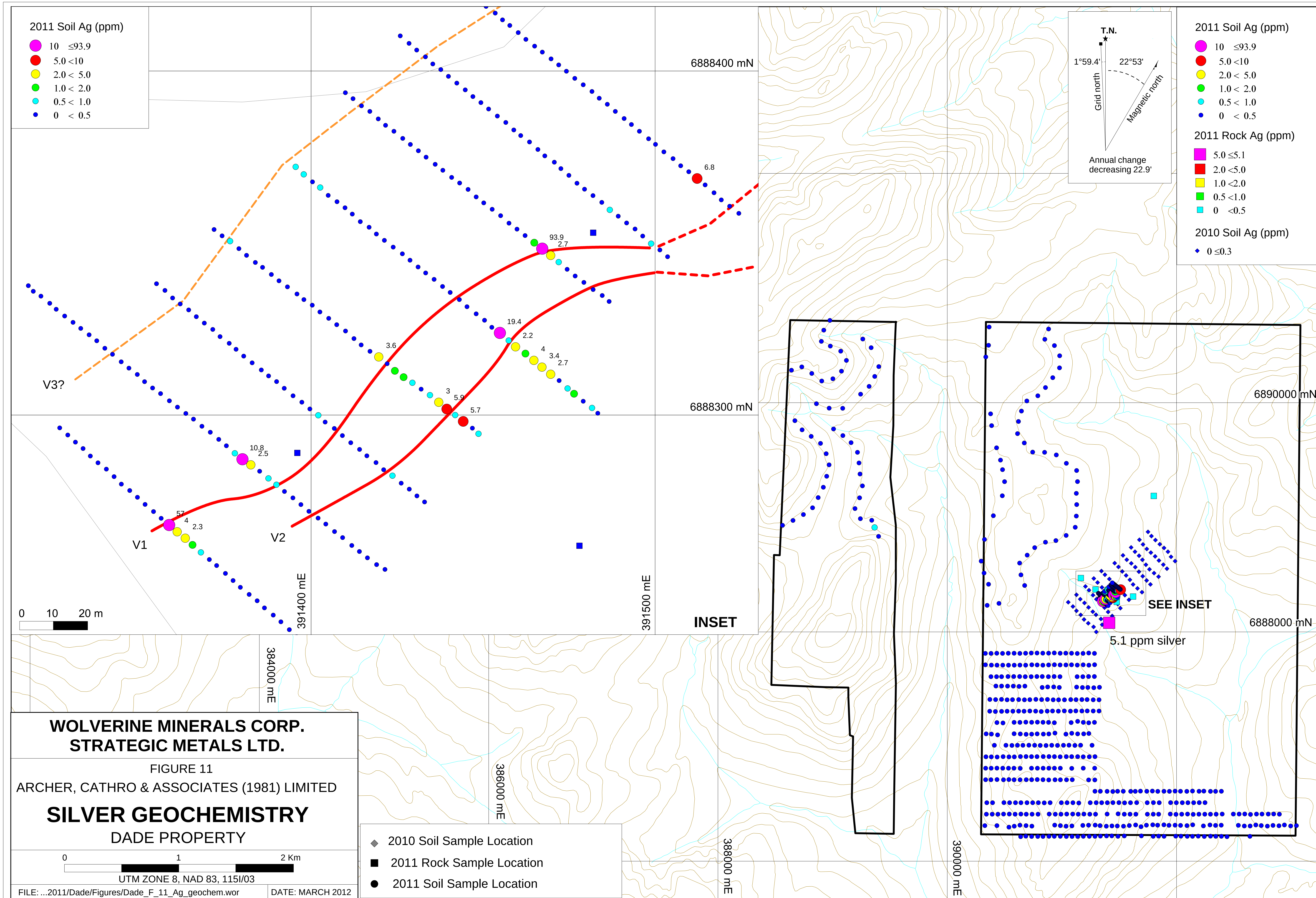
FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

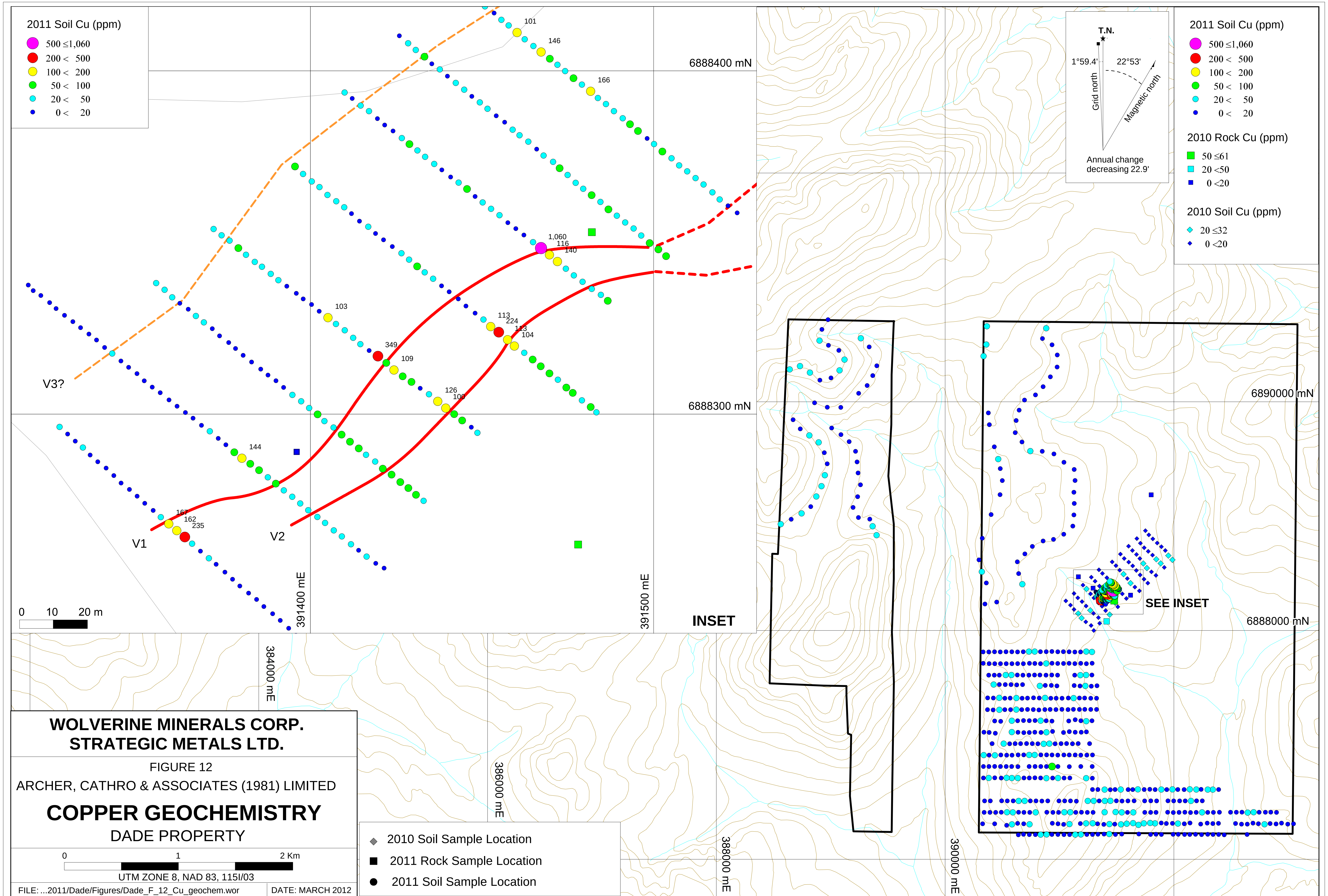
ANTIMONY GEOCHEMISTRY

DADE PROPERTY

FILE: ...2011/Dade/Figures/Dade_F_10_Sb_geochem.wor | DATE: MARCH 2012



2011 Soil Ag (ppm)
10 ≤93.9
5.0 <10
2.0 < 5.0
1.0 < 2.0
0.5 < 1.0
0 < 0.5
6888400 mN
6888300 mN
391400 mE
391500 mE
V1
V2
V3?
6.8
93.9
2.7
19.4
2.2
4
3.4
2.7
3.6
3
5.9
5.7
10.8
2.5
57
4
2.3
0 10 20 m
INSET
T.N.
1°59.4'
22°53'
Grid north
Magnetic north
Annual change
decreasing 22.9'
2011 Rock Ag (ppm)
5.0 ≤5.1
2.0 <5.0
1.0 <2.0
0.5 <1.0
0 <0.5
2010 Soil Ag (ppm)
0 ≤0.3
6890000 mN
6888000 mN
SEE INSET
5.1 ppm silver
384000 mE
386000 mE
388000 mE
390000 mE
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER GEOCHEMISTRY
DADE PROPERTY
0 1 2 Km
UTM ZONE 8, NAD 83, 115I/03
FILE: ...2011/Dade/Figures/Dade_F_11_Ag_geochem.wor
DATE: MARCH 2012
2010 Soil Sample Location
2011 Rock Sample Location
2011 Soil Sample Location


2011 Soil Cu (ppm)
500 ≤1,060
200 < 500
100 < 200
50 < 100
20 < 50
0 < 20
6888400 mN
6888300 mN
V3?
V1
V2
0 10 20 m
391400 mE
391500 mE
INSET
T.N.
1°59.4'
22°53'
Grid north
Magnetic north
Annual change decreasing 22.9'
2011 Soil Cu (ppm)
500 ≤1,060
200 < 500
100 < 200
50 < 100
20 < 50
0 < 20
2010 Rock Cu (ppm)
50 ≤61
20 <50
0 <20
2010 Soil Cu (ppm)
20 ≤32
0 <20
6890000 mN
6888000 mN
SEE INSET
384000 mE
386000 mE
388000 mE
390000 mE
2010 Soil Sample Location
2011 Rock Sample Location
2011 Soil Sample Location
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER GEOCHEMISTRY
DADE PROPERTY
0 1 2 Km
UTM ZONE 8, NAD 83, 115I/03
FILE: ...2011/Dade/Figures/Dade_F_12_Cu_geochem.wor
DATE: MARCH 2012

indicating that V1 remains open to extension toward the northeast. Second, a soil sample taken from the western-most end of TR-11-E returned 101 ppb gold and another sample collected in the western part of TR-11-B returned 860 ppm arsenic and 37 ppm antimony, but low gold. Together, these samples support the possibility of a parallel, unexposed vein (V3?) to the west.

GEOPHYSICAL SURVEYS

In 2011, helicopter-borne magnetics and radiometric surveys were contracted to New-Sense Geophysics Limited of Markham, Ontario. Interpretation of the survey data was completed by Condor Consulting Inc. of Lakewood, Colorado; however, at the time of this report the interpretation report had not been finalized.

A total of 427 line kilometers were flown over the Dade property. Appendix V contains a report by New-Sense, which describe equipment and procedures that were used during the surveys and un-interpreted results. CDs containing digital survey data are also attached to this report.

The magnetic survey identified a number of magnetic high anomalies (Figure 13). In general, the western part of the property, which is underlain by Whitehorse Suite intrusive syenite and Prospector Mountain Suite hornblende diorite, has a stronger magnetic signature than the eastern part of the property. A number of small, isolated magnetic high anomalies lie on the eastern side of the property.

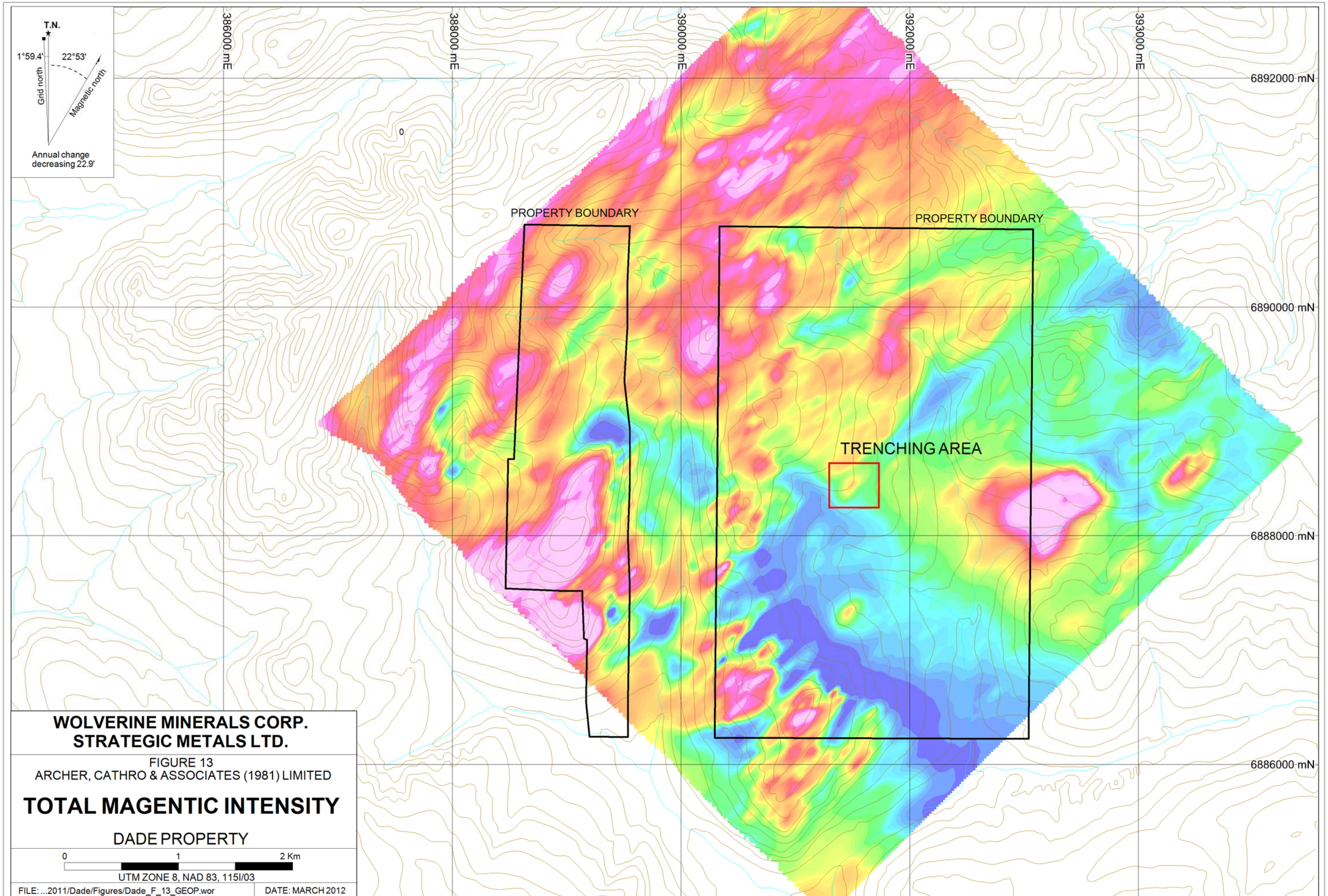
Based on first vertical derivative of the magnetic data, a number of linear magnetic lows were identified (Figure 14). A prominent, northeast-trending linear, which lies immediately northwest of V1, can be traced for over five kilometres. This feature may represent an alteration zone associated V1 or a parallel structure. A northwest-trending linear lies immediately south of the trenching area and is thought to mark a fault that truncates or offsets V1. A number of similar linear magnetic lows appear elsewhere on the property. Most are in areas of deep overburden cover and therefore lack geochemical support; however, on the western side of the property a moderately anomalous gold-in-soil value (52 ppb) lies near the intersection of two linears.

DISCUSSION AND CONCLUSIONS

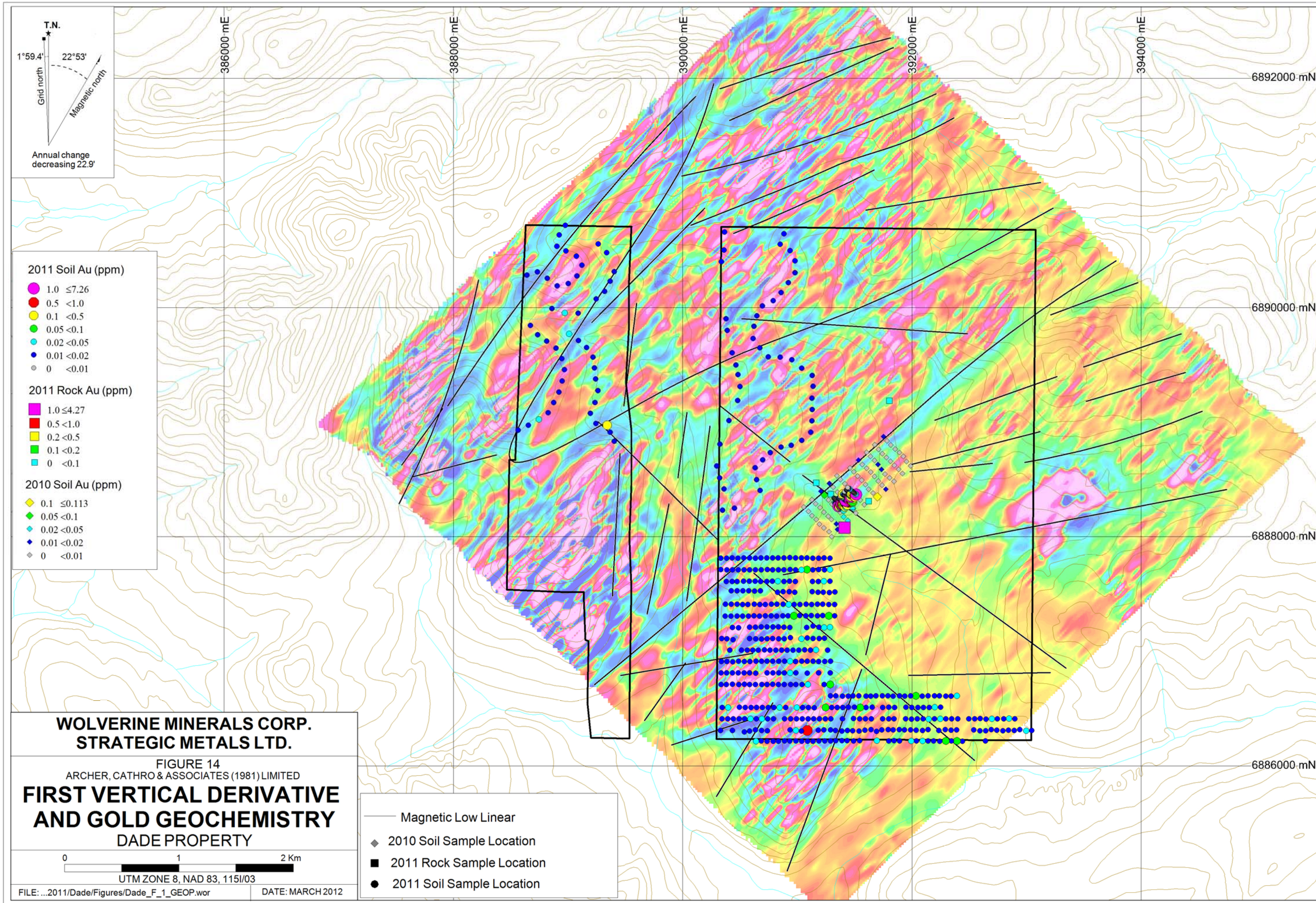
The 2011 exploration program at the Dade property was highly successful, delineating V1 over a strike length of 175 m, identifying a new parallel vein (V2) to the east. The strongly anomalous gold-in-soil value from TR-11-H supports potential for further extension of V1 along strike to the northeast while elevated soil values in other trenches that did not reach bedrock show promise for discovery of additional veins to the west (V3).

Soil sampling in 2011 confirmed that samples collected from previously un-disturbed areas yielded markedly lower values than those collected deeper in or below the colluvium. If hand-held soil augers are to be used for future programs, the sampling should be conducted in early to mid-August to allow for maximum thaw and therefore greater soil sample depth.

Although excavator trenching was able to further delineate V1, it is not considered the most effective exploration method for future work on the Dade property. The presence of thick-



T.N.
1°59.4'
22°53'
Grid north
Magnetic north
Annual change decreasing 22.9'
386000 mE
388000 mE
390000 mE
392000 mE
393000 mE
6892000 mN
6890000 mN
6888000 mN
6886000 mN
PROPERTY BOUNDARY
PROPERTY BOUNDARY
TRENCHING AREA
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TOTAL MAGENTIC INTENSITY
DADE PROPERTY
0
1
2 Km
UTM ZONE 8, NAD 83, 115I/03
FILE: ...2011/Dade/Figures/Dade_F_13_GEOP.wor
DATE: MARCH 2012



WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIRST VERTICAL DERIVATIVE AND GOLD GEOCHEMISTRY

DADE PROPERTY

0 1 2 Km

UTM ZONE 8, NAD 83, 115I/03

FILE: ...2011/Dade/Figures/Dade_F_1_GEOP.wor

DATE: MARCH 2012

permanently frozen colluvium requires that trenches be stripped and taken as deep as frost will allow, then given time to thaw before they can be deepened. The short exploration season means that trenches can take more than one year to complete to bedrock.

Future work is warranted on the Dade property. It should consist of diamond drilling and reverse circulation (RC) percussion drilling. Six diamond drill holes should be drilled on three section lines within the 2011 trenching area to test the known veins at depth. Following the diamond drilling, RC drilling should be completed to infill between the diamond drilling section lines and explore along strike for extension of the veins. RC drilling should also be used to test along a number of magnetic lows, particularly the main linear that parallels V1 and areas where linears converge. Pending favourable results from the RC drilling, a diamond drill should be re-mobilized to the property to further delineate vein structures.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

H. Smith, B.Sc. Geology, P.Geo.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Squamish, British Columbia do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.

2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.

3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 34689).

4. I have personally participated in and directed the fieldwork reported herein and have interpreted all data resulting from this work.

H. Smith, B.Sc. Geology, P.Geo.

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Project: WVL D.R. Property: Dade

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357201		391482 E			6888353 N	trench		grab	

Comments: very limonitic rock of uncertain protolith with the occasional Qz-Py stringer.

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357202		391165 E			6888470 N	float			locally abundant

Comments: Lim & mno porphyry?

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357203		391412 E			6888080 N	float			uncommon

Comments: Qz Ven with Li on fractures and Li patches.

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357204		391293 E			6888370 N	float			uncommon

Comments: Very limonitic Qz vein and probably porphyry. From a broad zone of altered float.

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357274		391621 E	1321		6888319 N				

Comments: trench: 2 m zone of silicification assoc with stockwork of thin epithermal qtz veinlets

Sample Number	Grid East	UTM East	Elevation (m)	Grid North	UTM North	Type	Sample Width	Dimension	Abundance
I357275		391396 E	1326		6888289 N				

Comments: 2 - 3 m sub-outcrop zone of veining and silicification at end of TR-11-06; selected sample from several pieces with arsenopyrite

Rock Sample Descriptions Project: WVL D.R. Property: Dade

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I357276	UTM:	391478 E	UTM:	6888262 N	Sample Width:	Abundance:
	Elevation:	1322 m				

Comments: trench TR-11-05: composite sample across 1.8 m vein/shear zone trending 70 deg

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
I357287	UTM:	391801 E	UTM:	6889187 N	Sample Width:	Abundance:
	Elevation:	1300 m				

Comments: base of 7 m colluvial bank; selected sample from several pieces of org/tan weathering altered intrusive float with qtz veins; one specimen of breccia with epithermal qtz and altered porphyry clast.

APPENDIX III

CERTIFICATES OF ANALYSIS

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Archer, Cathro & Assoc. (1981) Ltd.**
1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8 Canada

Submitted By:	Doug Eaton
Receiving Lab:	Canada-Vancouver
Received:	July 07, 2011
Report Date:	July 12, 2011
Page:	1 of 6

CERTIFICATE OF ANALYSIS VAN11003012.1

CLIENT JOB INFORMATION

Project:	WOLVERINE-DADE
Shipment ID:	
P.O. Number	
Number of Samples:	138

SAMPLE DISPOSAL

RTRN-PLP	Return
DISP-RJT	Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	125	Crush, split and pulverize 250 g rock to 200 mesh			VAN
G601	138	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
G6Gr	3	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Archer, Cathro & Assoc. (1981) Ltd.
1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Archer, Cathro & Assoc. (1981) Ltd.**
1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8 Canada

Project: WOLVERINE-DADE
Report Date: July 12, 2011

CERTIFICATE OF ANALYSIS VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
189953	Rock	1.26	0.106	
189954	Rock	0.87	0.005	
189955	Rock	1.04	<0.005	
189956	Rock	1.08	<0.005	
189957	Rock	0.84	<0.005	
189958	Rock	1.27	<0.005	
189959	Rock	1.14	0.921	
189960	Rock	1.27	>10	73.4
189961	Rock	1.33	0.025	
189962	Rock	1.58	3.990	
189963	Rock	1.13	0.637	
189964	Rock	0.70	0.027	
189965	Rock	0.26	0.020	
189966	Rock Pulp	0.31	8.539	
189967	Rock	1.23	0.024	
189968	Rock	0.22	0.486	
189969	Rock	1.28	<0.005	
189970	Rock	0.78	0.012	
189971	Rock	0.35	0.010	
189972	Rock	0.76	0.018	
189973	Rock Pulp	0.26	0.216	
189974	Rock	0.34	0.006	
189975	Rock	0.57	0.006	
189976	Rock	0.60	0.009	
189977	Rock	0.64	0.006	
189978	Rock	0.26	0.006	
189801	Rock	0.58	0.011	
189802	Rock	0.75	0.015	
189803	Rock	0.17	0.008	
189804	Rock Pulp	0.11	2.260	

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Vancouver BC V6B 1L8 Canada

Project: WOLVERINE-DADE
Report Date: July 12, 2011

CERTIFICATE OF ANALYSIS VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
189805	Rock	0.79	0.019	
189806	Rock	0.65	0.010	
189807	Rock	1.24	<0.005	
189808	Rock	0.55	0.008	
189809	Rock	0.90	0.006	
189810	Rock	1.03	0.011	
189811	Rock	0.32	0.017	
189812	Rock	0.75	0.031	
189813	Rock	1.25	0.010	
189814	Rock	0.70	0.089	
189815	Rock	0.53	0.017	
189816	Rock Pulp	0.26	0.271	
189817	Rock	0.11	0.013	
189818	Rock	0.94	0.014	
189819	Rock	0.62	0.051	
189820	Rock	0.15	0.006	
189821	Rock	0.09	0.013	
189822	Rock	0.75	<0.005	
189823	Rock	1.08	<0.005	
189824	Rock	0.61	<0.005	
189825	Rock	0.47	<0.005	
189826	Rock Pulp	0.26	0.197	
189827	Rock	0.77	0.009	
189828	Rock	0.47	0.012	
189829	Rock	0.09	0.010	
189830	Rock	0.82	0.005	
189831	Rock	0.81	0.005	
189832	Rock	1.17	<0.005	
189833	Rock	0.88	<0.005	
189834	Rock	0.98	<0.005	

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1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8 Canada

Project: WOLVERINE-DADE
Report Date: July 12, 2011

CERTIFICATE OF ANALYSIS VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
189835	Rock Pulp	0.12	2.299	
189836	Rock	0.67	0.007	
189837	Rock	0.66	0.012	
189838	Rock	0.85	0.011	
189839	Rock	0.88	0.012	
189840	Rock	0.70	0.017	
189841	Rock	1.31	<0.005	
189842	Rock	0.14	0.009	
189843	Rock	0.43	<0.005	
189844	Rock	0.51	<0.005	
189845	Rock	0.72	<0.005	
189846	Rock	0.95	<0.005	
189847	Rock	0.93	<0.005	
189848	Rock Pulp	0.12	2.136	
189849	Rock	0.75	<0.005	
189850	Rock	1.00	<0.005	
189901	Rock	1.11	<0.005	
189902	Rock	0.71	>10	14.0
189903	Rock	1.29	<0.005	
189904	Rock	0.87	0.017	
189905	Rock	1.00	<0.005	
189906	Rock Pulp	0.26	7.474	
189907	Rock	0.34	0.010	
189908	Rock	0.73	0.009	
189909	Rock	0.60	0.006	
189910	Rock	0.33	0.006	
189911	Rock	0.89	0.006	
189912	Rock	1.11	<0.005	
189913	Rock	0.99	0.010	
189914	Rock	0.98	0.015	

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Archer, Cathro & Assoc. (1981) Ltd.**
1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8 Canada

Project: WOLVERINE-DADE
Report Date: July 12, 2011

CERTIFICATE OF ANALYSIS VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
189915	Rock	1.07	0.023	
189916	Rock	0.71	0.024	
189917	Rock Pulp	0.12	2.197	
189918	Rock	0.64	0.010	
189919	Rock	1.06	0.013	
189920	Rock	0.43	0.175	
189921	Rock	0.88	0.362	
189922	Rock	1.01	<0.005	
189923	Rock	1.03	8.167	
189924	Rock	0.84	0.021	
189925	Rock	0.81	0.006	
189926	Rock Pulp	0.27	6.932	
189927	Rock	0.43	0.086	
189928	Rock	0.84	0.060	
189929	Rock	0.66	0.017	
189930	Rock	0.65	0.131	
189931	Rock	1.36	0.034	
189932	Rock	1.24	0.068	
189933	Rock	1.45	0.008	
189934	Rock	0.89	0.054	
189935	Rock	0.37	0.033	
189936	Rock	1.01	0.105	
189937	Rock Pulp	0.12	2.277	
189938	Rock	1.15	0.213	
189939	Rock	1.12	0.848	
189940	Rock	0.76	0.008	
189941	Rock	1.52	0.035	
189980	Rock	1.15	<0.005	
189981	Rock	0.36	<0.005	
189982	Rock	0.29	0.007	

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1016 - 510 W. Hastings St.
Vancouver BC V6B 1L8 Canada

Project: WOLVERINE-DADE
Report Date: July 12, 2011

CERTIFICATE OF ANALYSIS VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
189983	Rock	0.45	<0.005	
189984	Rock Pulp	0.12	0.005	
189985	Rock	0.17	<0.005	
189986	Rock	0.53	0.005	
189987	Rock	0.72	0.005	
189988	Rock	0.70	<0.005	
189989	Rock	0.85	0.005	
189990	Rock	0.87	2.308	
189991	Rock	0.66	1.073	
189992	Rock	1.02	<0.005	
189993	Rock	0.72	1.214	
189994	Rock	0.43	0.015	
189995	Rock Pulp	0.26	7.162	
189996	Rock	1.15	0.744	
189997	Rock	0.74	0.020	
189998	Rock	0.80	0.028	
189999	Rock	1.01	1.470	
199000	Rock	1.18	>10	76.1

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Project: WOLVERINE-DADE
Report Date: July 12, 2011

QUALITY CONTROL REPORT VAN11003012.1

	Method	WGHT	G6	G6Gr
	Analyte	Wgt	Au	Au
	Unit	kg	ppm	gm/t
	MDL	0.01	0.005	0.9
Pulp Duplicates				
189801	Rock	0.58	0.011	
REP 189801	QC		0.009	
189824	Rock	0.61	<0.005	
REP 189824	QC		<0.005	
189915	Rock	1.07	0.023	
REP 189915	QC		0.020	
189994	Rock	0.43	0.015	
REP 189994	QC		0.016	
199000	Rock	1.18	>10	76.1
REP 199000	QC		>10	
Core Reject Duplicates				
189839	Rock	0.88	0.012	
DUP 189839	QC		0.011	
189924	Rock	0.84	0.021	
DUP 189924	QC		0.028	
189997	Rock	0.74	0.020	
DUP 189997	QC		0.020	
Reference Materials				
STD CDN-ME-3	Standard			9.5
STD OXH82	Standard		1.371	
STD OXH82	Standard		1.341	
STD OXH82	Standard		1.340	
STD OXH82	Standard		1.376	
STD OXH82	Standard		1.298	
STD OXH82	Standard		1.364	
STD OXK79	Standard		3.801	
STD OXK79	Standard		3.533	
STD OXK79	Standard		3.735	

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Project: WOLVERINE-DADE
Report Date: July 12, 2011

QUALITY CONTROL REPORT VAN11003012.1

		WGHT	G6	G6Gr
		Wgt	Au	Au
		kg	ppm	gm/t
		0.01	0.005	0.9
STD OXK79	Standard		3.578	
STD OXK79	Standard		3.499	
STD OXK79 Expected			3.532	
STD OXH82 Expected			1.278	
STD CDN-ME-3 Expected				9.77
BLK	Blank		0.006	
BLK	Blank		<0.005	
BLK	Blank		0.006	
BLK	Blank		<0.005	
BLK	Blank		0.006	
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank		0.005	
BLK	Blank		<0.005	
BLK	Blank		0.005	
BLK	Blank			<0.9
Prep Wash				
G1	Prep Blank	<0.01	<0.005	
G1	Prep Blank	<0.01	<0.005	

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

Finalized Date: 26- JUL- 2011
Account: F

CERTIFICATE VA11132621

Project: Wolverine - DADE

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Vancouver, BC, Canada on 22- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 26-JUL-2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS VA11132621

Sample Description	Method Analyte Units LOR	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05
K274701		0.008	
K274702		0.007	
K274703		<0.005	
K274704		0.007	
K274705		0.005	
K274706		<0.005	
K274707		NSS	
K274708		0.012	
K274709		0.007	
K274710		0.029	
K274711		0.007	
K274712		<0.005	
K274713		0.027	
K274714		0.023	
K274715		0.637	
K274716		0.062	
K274717		0.021	
K274718		<0.005	
K274719		<0.005	
J999745		8.17	
K274721		0.093	
K274722		0.014	
K274723		0.021	
K274724		<0.005	
K274725		5.97	
K274726		2.37	
K274727		1.160	
K274728		0.017	
K274729		0.008	
K274730		<0.005	
K274731		0.960	
K274732		>10.0	23.9
K274733		0.019	
K274734		1.835	
K274735		0.941	
J999746		0.244	

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

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Finalized Date: 26- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS VA11132621

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

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Finalized Date: 3- JUL- 2011
Account: F

CERTIFICATE WH11108865

Project: Wolverine - DADE
P.O. No.:
This report is for 100 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- JUN- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	Au- GRA22 Au ppm 0.05	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
I357001		0.82	0.005		<0.2	1.09	20	<10	120	<0.5	<2	1.55	<0.5	7	4	12
I357002		0.93	0.011		<0.2	0.62	21	<10	140	0.5	<2	0.22	<0.5	4	5	9
I357003		0.38	<0.005		<0.2	1.14	12	<10	100	0.5	2	1.39	<0.5	6	6	20
I357004		1.00	0.019		<0.2	0.51	12	<10	110	<0.5	2	0.28	<0.5	3	5	7
I357005		0.82	0.008		<0.2	0.68	30	<10	150	0.6	2	0.36	<0.5	5	7	9
I357006		0.82	0.005		<0.2	0.58	11	<10	290	0.5	2	0.48	<0.5	4	5	7
I357007		1.13	0.005		<0.2	0.59	10	<10	180	0.7	<2	1.93	<0.5	3	5	9
I357008		1.23	0.006		<0.2	0.70	34	<10	210	0.5	<2	0.82	<0.5	4	4	13
I357009		0.45	0.010		<0.2	0.87	24	<10	270	0.5	<2	0.83	<0.5	6	5	13
I357010		0.94	0.023		<0.2	0.76	26	<10	100	0.5	4	0.47	<0.5	5	7	12
I357011		0.92	0.078		<0.2	0.48	689	<10	150	<0.5	3	0.35	<0.5	3	6	9
I357012		0.74	0.013		<0.2	0.56	17	<10	90	<0.5	<2	0.30	<0.5	4	5	10
I357013		0.30	0.009		<0.2	0.80	11	<10	110	<0.5	<2	0.83	<0.5	5	5	10
I357014		1.18	0.009		<0.2	0.56	17	<10	220	<0.5	2	0.25	<0.5	3	5	7
I357015		0.91	0.026		<0.2	0.67	18	<10	170	<0.5	2	0.45	<0.5	5	6	8
I357016		0.37	<0.005		<0.2	0.89	6	<10	90	0.5	<2	0.83	<0.5	5	8	11
I357017		0.28	<0.005		<0.2	0.93	7	<10	110	<0.5	2	0.91	<0.5	5	6	9
I357018		0.94	<0.005		<0.2	1.06	9	<10	100	0.5	<2	1.10	<0.5	6	6	12
I357019		0.89	<0.005		<0.2	1.13	16	<10	90	0.5	<2	1.28	<0.5	7	4	10
I357020		0.67	<0.005		<0.2	0.93	16	<10	130	<0.5	2	0.54	<0.5	4	5	9
I357021		0.99	0.018		<0.2	1.02	16	<10	150	0.5	<2	0.97	<0.5	8	4	32
I357022		0.68	0.011		<0.2	0.67	24	<10	130	<0.5	2	0.71	<0.5	8	4	23
I357023		0.28	<0.005		<0.2	0.88	15	<10	110	<0.5	<2	0.90	<0.5	5	4	7
I357024		1.08	<0.005		<0.2	0.71	41	<10	270	0.7	<2	0.55	<0.5	6	4	12
I357025		1.03	<0.005		<0.2	0.67	27	<10	250	0.8	2	0.20	<0.5	5	5	4
I357026		1.40	<0.005		<0.2	0.64	29	<10	380	0.9	<2	0.78	<0.5	5	5	5
I357027		1.11	<0.005		<0.2	0.84	11	<10	1280	0.6	<2	2.82	<0.5	7	6	10
I357028		1.24	<0.005		<0.2	1.14	8	<10	240	<0.5	<2	2.46	<0.5	6	3	9
I357029		0.85	0.005		<0.2	0.82	43	<10	130	<0.5	<2	1.42	<0.5	5	5	7
I357030		0.87	0.007		0.2	1.00	127	<10	120	0.6	<2	1.07	<0.5	8	9	12
I357031		1.08	0.009		<0.2	0.68	165	<10	90	<0.5	<2	0.48	<0.5	4	6	9
I357032		1.12	0.010		0.2	0.70	195	<10	450	0.5	<2	0.86	<0.5	5	5	11
I357033		0.87	0.009		<0.2	0.88	60	<10	90	<0.5	<2	0.88	<0.5	5	5	10
I357034		0.33	0.010		<0.2	0.97	17	<10	100	<0.5	<2	0.61	<0.5	5	6	9
I357035		0.63	<0.005		<0.2	1.04	8	<10	90	<0.5	<2	1.39	<0.5	5	10	8
I357036		0.79	<0.005		0.2	1.22	14	<10	130	<0.5	<2	1.54	<0.5	7	12	19
I357037		0.93	<0.005		<0.2	1.14	14	<10	100	0.5	<2	1.07	<0.5	6	5	13
I357038		1.12	0.010		<0.2	0.91	7	<10	130	<0.5	<2	1.21	<0.5	5	3	8
I357039		1.09	<0.005		<0.2	1.31	6	<10	140	0.5	<2	1.68	<0.5	8	15	9
I357040		0.90	<0.005		0.2	0.93	8	<10	130	0.5	<2	0.97	<0.5	5	4	5

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VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
I357001		2.83	<10	<1	0.18	10	0.59	659	<1	0.23	1	1750	3	0.09	<2	7
I357002		1.88	<10	1	0.14	10	0.08	493	1	0.06	4	430	6	0.03	2	3
I357003		2.81	<10	<1	0.16	10	0.63	682	<1	0.21	2	1700	2	0.01	<2	7
I357004		1.44	<10	<1	0.11	10	0.07	374	2	0.06	2	320	6	0.02	<2	2
I357005		2.33	<10	<1	0.15	10	0.06	635	2	0.04	3	410	7	0.04	<2	4
I357006		1.88	<10	<1	0.12	10	0.18	513	1	0.05	3	410	6	0.02	<2	3
I357007		1.90	<10	<1	0.14	10	0.43	609	<1	0.05	3	310	5	0.03	2	2
I357008		2.01	<10	<1	0.15	10	0.24	619	3	0.07	3	610	6	0.02	3	5
I357009		2.69	<10	<1	0.18	10	0.34	700	9	0.11	2	880	8	0.05	<2	5
I357010		2.28	<10	<1	0.16	10	0.19	570	2	0.09	3	750	6	0.02	3	5
I357011		1.45	<10	<1	0.13	10	0.15	232	1	0.10	2	430	5	0.04	3	2
I357012		1.40	<10	1	0.13	10	0.16	278	1	0.08	2	410	5	0.02	<2	2
I357013		2.13	<10	<1	0.15	10	0.36	524	4	0.15	1	1010	2	0.02	<2	4
I357014		1.39	<10	<1	0.13	10	0.12	392	<1	0.05	2	320	4	0.03	<2	2
I357015		1.91	<10	<1	0.15	10	0.19	570	2	0.08	3	650	7	0.04	<2	4
I357016		2.04	<10	<1	0.14	10	0.48	483	<1	0.13	3	880	4	0.11	<2	5
I357017		2.20	<10	<1	0.15	10	0.47	509	1	0.18	2	980	4	0.08	<2	4
I357018		2.67	<10	<1	0.15	10	0.55	638	<1	0.20	3	1240	3	0.04	<2	7
I357019		2.75	<10	<1	0.17	10	0.57	705	1	0.20	2	1540	3	0.02	<2	7
I357020		2.23	<10	1	0.12	10	0.38	472	<1	0.12	2	840	3	0.01	<2	5
I357021		2.83	<10	<1	0.14	10	0.48	562	1	0.18	2	1410	3	0.37	<2	5
I357022		2.33	<10	<1	0.13	10	0.26	521	1	0.13	3	820	3	0.02	<2	5
I357023		2.21	<10	<1	0.14	10	0.35	599	<1	0.17	2	1120	4	0.01	<2	6
I357024		1.96	<10	<1	0.20	10	0.08	821	1	0.03	3	650	9	<0.01	3	3
I357025		1.69	<10	1	0.25	10	0.06	831	<1	0.02	4	420	10	<0.01	3	2
I357026		1.67	<10	<1	0.26	10	0.06	678	1	0.02	3	450	9	0.01	2	2
I357027		3.23	<10	<1	0.18	20	0.22	833	<1	0.07	3	1470	3	0.13	3	8
I357028		3.24	10	<1	0.16	10	0.58	914	1	0.10	2	1520	3	0.14	2	7
I357029		2.50	<10	<1	0.16	10	0.31	609	1	0.11	2	1070	5	0.10	2	5
I357030		3.31	<10	<1	0.17	10	0.39	825	1	0.13	5	1320	4	0.04	4	9
I357031		1.88	<10	<1	0.15	10	0.20	435	<1	0.09	3	640	6	0.02	2	4
I357032		2.22	<10	<1	0.15	10	0.25	622	1	0.09	2	820	6	0.06	3	5
I357033		2.29	<10	<1	0.17	10	0.41	529	1	0.14	2	1030	8	0.05	<2	6
I357034		2.34	10	<1	0.15	10	0.50	467	<1	0.12	2	820	3	0.11	2	4
I357035		2.45	<10	<1	0.19	10	0.53	613	<1	0.18	5	1320	4	0.13	<2	6
I357036		3.04	10	<1	0.19	20	0.67	662	<1	0.09	4	1150	6	0.28	3	6
I357037		2.94	<10	<1	0.16	10	0.49	656	<1	0.15	3	1490	4	0.07	3	7
I357038		2.48	<10	<1	0.16	10	0.44	627	<1	0.16	1	1310	<2	0.07	2	6
I357039		3.34	10	<1	0.24	10	0.80	824	1	0.18	6	1530	<2	0.10	<2	9
I357040		2.54	<10	<1	0.16	10	0.35	648	<1	0.13	3	1160	4	0.06	2	6

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Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
I357001		43	<20	0.15	<10	<10	71	<10	50
I357002		17	<20	<0.01	<10	<10	24	<10	28
I357003		43	<20	0.16	<10	<10	73	<10	50
I357004		14	<20	0.01	<10	<10	19	<10	22
I357005		13	<20	<0.01	<10	<10	28	<10	33
I357006		22	<20	0.02	<10	<10	24	<10	32
I357007		44	<20	0.02	<10	<10	19	<10	28
I357008		24	<20	0.02	<10	<10	30	<10	29
I357009		28	<20	0.05	<10	<10	48	<10	40
I357010		23	<20	0.03	<10	<10	45	<10	40
I357011		23	<20	0.04	<10	<10	21	<10	17
I357012		17	<20	0.03	<10	<10	24	<10	17
I357013		30	<20	0.09	<10	<10	50	<10	32
I357014		17	<20	0.01	<10	<10	21	<10	23
I357015		23	<20	0.03	<10	<10	34	<10	32
I357016		32	<20	0.09	<10	<10	51	<10	38
I357017		32	<20	0.09	<10	<10	52	<10	38
I357018		35	<20	0.12	<10	<10	70	<10	52
I357019		35	<20	0.12	<10	<10	76	<10	50
I357020		24	<20	0.05	<10	<10	51	<10	44
I357021		34	<20	0.10	<10	<10	60	10	41
I357022		28	<20	0.05	<10	<10	42	<10	28
I357023		28	<20	0.08	<10	<10	50	<10	37
I357024		20	<20	0.01	<10	<10	23	<10	30
I357025		22	<20	<0.01	<10	<10	17	<10	25
I357026		39	<20	<0.01	<10	<10	20	<10	29
I357027		97	<20	0.01	<10	<10	70	<10	68
I357028		84	<20	0.03	<10	<10	70	<10	65
I357029		50	<20	0.04	<10	<10	47	<10	40
I357030		34	<20	0.07	<10	<10	78	<10	58
I357031		22	<20	0.03	<10	<10	34	<10	30
I357032		29	<20	0.04	<10	<10	38	<10	33
I357033		30	<20	0.08	<10	<10	55	<10	35
I357034		28	<20	0.05	<10	<10	50	<10	42
I357035		42	<20	0.11	<10	<10	60	<10	42
I357036		58	<20	0.04	<10	<10	65	<10	61
I357037		32	<20	0.10	<10	<10	67	<10	50
I357038		35	<20	0.10	<10	<10	57	10	42
I357039		47	<20	0.14	<10	<10	86	<10	63
I357040		36	<20	0.06	<10	<10	52	<10	46

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ALS Minerals

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

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	WEI- 21	Au- AA24	Au- GRA22	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I357041	1.17	<0.005		<0.2	0.99	27	<10	120	<0.5	<2	0.56	<0.5	5	6	7
I357042	0.29	0.621		0.3	0.93	396	<10	170	0.6	4	0.32	<0.5	9	11	22
I357043	0.88	0.008		<0.2	1.04	14	<10	150	<0.5	<2	0.82	<0.5	5	10	7
I357044	0.50	0.008		<0.2	1.10	12	<10	130	<0.5	<2	0.75	<0.5	5	6	6
I357045	0.90	0.012		<0.2	0.99	28	<10	130	<0.5	<2	0.74	<0.5	5	5	6
I357046	0.48	<0.005		<0.2	0.94	11	<10	140	<0.5	<2	0.47	<0.5	5	10	8
I357047	0.71	<0.005		<0.2	1.16	4	<10	140	0.5	<2	1.11	<0.5	5	7	5
I357048	0.74	0.007		<0.2	1.22	26	<10	160	0.5	<2	0.81	<0.5	6	15	6
I357049	0.76	<0.005		<0.2	1.24	3	<10	160	<0.5	<2	0.85	<0.5	6	8	6
I357050	0.39	<0.005		<0.2	1.81	6	<10	160	0.5	<2	1.53	<0.5	16	5	20
I357051	0.38	<0.005		<0.2	1.18	3	<10	540	0.5	<2	1.07	<0.5	6	5	3
I357052	0.49	<0.005		<0.2	0.62	3	<10	310	0.6	<2	0.61	<0.5	5	4	4
I357053	0.38	<0.005		<0.2	1.05	2	<10	160	<0.5	<2	1.13	<0.5	5	7	3
I357054	0.58	<0.005		<0.2	0.80	<2	<10	100	<0.5	<2	0.40	<0.5	3	6	2
I357055	0.30	0.005		<0.2	0.77	2	<10	100	<0.5	<2	0.76	<0.5	3	5	2
I357056	0.65	0.005		<0.2	0.57	3	<10	110	<0.5	<2	0.31	<0.5	2	7	4
I357057	0.87	0.006		<0.2	0.94	<2	<10	100	<0.5	<2	1.00	<0.5	4	5	4
I357058	0.84	<0.005		<0.2	0.97	2	<10	110	<0.5	<2	0.89	<0.5	4	6	4
I357059	0.99	<0.005		<0.2	1.04	3	<10	120	<0.5	<2	1.01	<0.5	5	6	6
I357060	1.04	<0.005		<0.2	1.21	3	<10	140	<0.5	<2	1.11	<0.5	5	7	9
I357061	0.82	0.887		3.7	0.08	571	<10	50	<0.5	16	0.03	<0.5	4	13	67
I357062	0.84	0.907		3.7	0.21	382	<10	50	<0.5	58	0.14	<0.5	5	25	71
I357063	0.54	0.020		0.4	0.46	522	<10	380	<0.5	7	0.09	0.5	51	9	32
I357064	1.28	0.681		6.3	0.11	1850	<10	130	<0.5	135	0.04	<0.5	7	8	53
I357065	0.86	0.017		<0.2	0.93	133	<10	340	0.9	3	0.38	<0.5	11	4	15
I357066	0.94	0.045		0.2	0.81	90	<10	760	0.8	2	0.27	<0.5	11	4	12
I357067	1.16	1.295		2.4	0.50	311	<10	300	0.5	24	0.22	<0.5	7	4	35
I357068	1.36	>10.0	72.9	56.4	0.07	2280	<10	350	<0.5	1000	0.05	0.7	9	10	69
I357069	0.81	>10.0	11.70	14.6	0.06	1240	<10	200	<0.5	230	0.02	<0.5	7	14	56
I357070	1.04	0.086		0.4	0.58	584	<10	130	0.7	9	0.98	<0.5	5	3	15
I357071	1.11	0.018		<0.2	0.83	40	<10	1330	0.7	<2	3.67	<0.5	5	2	5
I357072	0.48	0.016		<0.2	1.06	43	<10	740	0.7	3	1.20	<0.5	8	5	4
I357073	0.87	0.009		<0.2	0.77	16	<10	210	0.6	<2	0.42	<0.5	5	3	6
I357074	0.74	0.015		<0.2	0.73	14	<10	1620	0.5	3	0.98	<0.5	4	4	6
I357075	0.45	0.005		<0.2	0.90	7	<10	440	<0.5	2	1.63	<0.5	5	3	3
I357076	1.03	0.012		<0.2	0.64	21	<10	560	0.5	<2	1.91	<0.5	6	3	9
I357077	1.11	0.006		<0.2	0.99	29	<10	400	0.7	3	3.15	<0.5	6	3	15
I357078	1.11	0.015		<0.2	0.72	34	<10	370	0.8	5	3.62	<0.5	6	3	10
I357079	1.23	0.025		<0.2	0.88	61	<10	700	0.8	3	4.01	<0.5	7	2	11
I357080	0.84	0.026		<0.2	0.81	43	<10	540	0.8	4	1.91	<0.5	5	2	13

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CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
I357041		2.25	<10	<1	0.17	10	0.39	564	<1	0.10	5	860	6	0.02	2	5
I357042		3.43	<10	<1	0.16	10	0.19	736	2	0.05	9	730	16	0.03	11	7
I357043		2.32	<10	<1	0.18	10	0.55	595	<1	0.15	6	1010	5	0.03	<2	5
I357044		2.54	<10	<1	0.15	10	0.52	657	<1	0.13	5	1130	5	0.03	<2	6
I357045		2.44	<10	<1	0.18	10	0.40	661	<1	0.11	4	1090	7	0.04	2	6
I357046		2.79	<10	<1	0.16	10	0.39	800	<1	0.09	6	810	5	0.02	4	6
I357047		2.35	<10	<1	0.17	10	0.56	556	<1	0.16	3	1200	5	0.03	2	5
I357048		2.85	10	<1	0.18	10	0.58	689	<1	0.11	5	880	7	0.06	2	7
I357049		3.12	10	<1	0.16	10	0.66	927	1	0.12	5	1160	5	0.07	<2	6
I357050		4.39	10	<1	0.13	20	1.03	1065	<1	0.12	3	1590	4	0.77	2	10
I357051		3.14	10	<1	0.18	10	0.50	964	<1	0.14	2	1220	4	0.06	<2	7
I357052		2.06	<10	<1	0.23	10	0.09	680	<1	0.07	4	490	7	0.05	2	2
I357053		2.32	<10	<1	0.20	10	0.50	616	<1	0.16	3	940	4	0.04	<2	5
I357054		1.54	<10	<1	0.12	10	0.35	402	<1	0.11	3	470	3	<0.01	<2	2
I357055		1.80	<10	<1	0.15	10	0.36	457	<1	0.15	1	890	2	<0.01	<2	4
I357056		1.19	<10	<1	0.15	10	0.17	254	<1	0.10	3	390	4	<0.01	<2	2
I357057		2.11	<10	1	0.15	10	0.50	503	<1	0.17	3	1180	3	0.01	2	5
I357058		2.12	<10	<1	0.17	10	0.49	525	<1	0.16	3	1030	3	0.01	2	5
I357059		2.36	10	1	0.18	10	0.57	576	<1	0.17	3	1250	3	0.04	<2	5
I357060		2.73	10	<1	0.17	10	0.65	682	<1	0.17	3	1400	3	0.03	<2	6
I357061		3.46	<10	<1	0.02	<10	0.01	105	23	0.01	1	50	37	0.02	23	<1
I357062		3.54	<10	<1	0.03	<10	0.29	172	11	0.04	14	230	30	<0.01	30	1
I357063		2.36	<10	<1	0.20	<10	0.02	975	9	<0.01	8	300	16	0.07	4	2
I357064		6.13	<10	<1	0.04	<10	0.01	145	37	<0.01	2	100	94	0.04	33	<1
I357065		3.13	<10	<1	0.26	10	0.04	858	4	<0.01	3	1080	10	0.01	5	5
I357066		3.09	<10	<1	0.22	10	0.04	991	2	<0.01	3	860	12	0.02	7	5
I357067		2.07	<10	<1	0.17	10	0.02	597	11	<0.01	2	370	28	0.03	15	2
I357068		4.69	<10	<1	0.02	<10	0.01	127	22	<0.01	1	70	483	0.05	37	<1
I357069		2.57	<10	<1	0.01	<10	0.01	96	16	<0.01	1	40	149	0.06	15	<1
I357070		1.95	<10	<1	0.16	10	0.03	547	4	<0.01	1	490	15	0.03	9	2
I357071		2.84	<10	<1	0.18	10	0.13	907	1	0.03	<1	920	8	0.08	2	5
I357072		3.41	<10	<1	0.19	10	0.18	806	<1	0.05	3	1620	7	0.05	3	8
I357073		1.97	<10	<1	0.18	10	0.08	576	<1	0.04	3	770	7	0.03	<2	4
I357074		2.21	<10	<1	0.18	10	0.16	575	<1	0.08	2	890	6	0.05	3	4
I357075		2.67	<10	<1	0.21	10	0.32	673	<1	0.11	2	1220	4	0.02	<2	5
I357076		2.55	<10	<1	0.21	10	0.10	706	1	0.02	2	900	8	0.12	3	4
I357077		3.48	<10	1	0.22	10	0.45	992	<1	0.01	2	1170	10	0.20	5	7
I357078		3.05	<10	1	0.19	10	0.30	815	1	0.04	1	1100	8	0.05	5	7
I357079		4.02	<10	<1	0.23	10	0.22	1130	2	0.01	2	1140	9	0.03	6	8
I357080		3.03	<10	<1	0.23	10	0.05	695	1	<0.01	2	1020	9	0.04	6	6

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CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method Analyte Units LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
I357041		29	<20	0.05	<10	<10	46	<10	52
I357042		31	<20	0.02	<10	<10	54	<10	42
I357043		32	<20	0.10	<10	<10	56	<10	43
I357044		28	<20	0.09	<10	<10	60	<10	47
I357045		33	<20	0.07	<10	<10	58	<10	47
I357046		24	<20	0.05	<10	<10	57	<10	49
I357047		41	<20	0.12	<10	<10	58	<10	43
I357048		45	<20	0.07	<10	<10	61	<10	55
I357049		37	<20	0.05	<10	<10	74	<10	63
I357050		67	<20	0.03	<10	<10	93	10	76
I357051		66	<20	0.05	<10	<10	69	<10	64
I357052		25	<20	<0.01	<10	<10	18	<10	39
I357053		39	<20	0.10	<10	<10	50	<10	43
I357054		23	<20	0.03	<10	<10	23	<10	30
I357055		28	<20	0.09	<10	<10	42	<10	35
I357056		20	<20	0.04	<10	<10	22	<10	19
I357057		33	<20	0.11	<10	<10	51	<10	39
I357058		35	<20	0.11	<10	<10	52	<10	40
I357059		37	<20	0.12	<10	<10	59	<10	45
I357060		40	<20	0.11	<10	<10	68	<10	51
I357061		4	<20	<0.01	<10	<10	8	<10	17
I357062		11	<20	0.03	<10	<10	20	<10	24
I357063		20	<20	<0.01	<10	<10	13	<10	39
I357064		10	<20	<0.01	<10	<10	7	30	16
I357065		15	<20	<0.01	<10	<10	42	<10	56
I357066		16	<20	<0.01	<10	<10	36	<10	56
I357067		9	<20	<0.01	<10	<10	10	<10	23
I357068		15	<20	<0.01	<10	<10	5	10	14
I357069		7	<20	<0.01	<10	<10	6	10	11
I357070		19	<20	<0.01	<10	<10	16	<10	37
I357071		83	<20	<0.01	<10	<10	38	<10	51
I357072		46	<20	0.02	<10	<10	70	<10	62
I357073		17	<20	0.01	<10	<10	30	<10	35
I357074		33	<20	0.03	<10	<10	37	<10	39
I357075		54	<20	0.04	<10	<10	55	<10	50
I357076		43	<20	<0.01	<10	<10	32	<10	42
I357077		71	<20	<0.01	<10	<10	51	<10	57
I357078		66	<20	<0.01	<10	<10	45	<10	48
I357079		48	<20	<0.01	<10	<10	57	<10	60
I357080		26	<20	<0.01	<10	<10	46	<10	47

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CERTIFICATE OF ANALYSIS WH11108865

Sample Description	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	Au-GRA22 Au ppm 0.05	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
I357081	0.77	<0.005		<0.2	0.76	54	<10	480	0.6	<2	1.38	<0.5	6	1	15
I357082	1.23	0.012		<0.2	0.76	104	<10	830	0.8	3	0.80	<0.5	7	4	9
I357083	0.54	0.144		0.7	0.74	460	<10	690	0.8	8	0.81	<0.5	7	4	61
I357084	1.04	0.337		1.5	0.21	710	<10	90	<0.5	13	0.05	<0.5	8	8	35
I357085	1.16	7.84		5.9	0.43	987	<10	190	0.5	147	0.83	0.5	15	5	43
I357086	0.98	0.030		<0.2	0.71	313	<10	180	0.7	3	2.22	<0.5	7	6	10
I357087	0.94	0.005		<0.2	0.94	130	<10	810	0.7	3	1.57	<0.5	7	3	6
I357088	0.55	0.121		0.4	0.52	143	<10	80	<0.5	4	0.25	<0.5	3	6	20
I357089	0.99	0.021		0.2	0.88	142	<10	130	<0.5	4	0.67	<0.5	5	6	29
I357090	0.80	0.012		<0.2	1.07	19	<10	130	<0.5	<2	0.66	<0.5	5	5	6
I357091	0.80	0.112		0.2	0.91	16	<10	160	<0.5	3	0.61	<0.5	5	4	10
I357092	1.54	0.029		<0.2	0.94	22	<10	130	<0.5	3	0.79	<0.5	5	5	11
I357093	1.38	0.094		<0.2	0.84	21	<10	140	<0.5	2	0.68	<0.5	4	5	13
I357094	1.03	0.042		0.3	1.02	58	<10	190	<0.5	5	0.56	<0.5	6	7	24
I357095	0.48	0.043		<0.2	0.48	18	<10	130	<0.5	2	0.11	<0.5	2	5	7
I357096	1.19	0.078		0.4	0.74	64	<10	180	<0.5	2	0.47	<0.5	4	5	15
I357097	1.28	0.342		0.5	0.77	103	<10	160	<0.5	8	1.26	<0.5	6	5	35
I357098	1.25	0.840		2.1	0.51	233	<10	220	<0.5	23	0.69	0.5	5	8	122
I357099	0.90	0.006		<0.2	0.58	21	<10	330	0.6	<2	0.52	<0.5	3	4	<1
I357100	1.69	0.054		<0.2	1.05	25	<10	160	<0.5	2	0.90	<0.5	6	9	6

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

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
I357081		2.96	<10	<1	0.21	10	0.12	820	1	0.04	2	1030	5	0.04	5	5
I357082		2.95	<10	<1	0.21	10	0.05	871	2	<0.01	2	930	13	0.03	4	5
I357083		4.38	<10	<1	0.19	10	0.13	809	10	<0.01	2	700	30	0.11	13	4
I357084		1.96	<10	<1	0.09	<10	0.01	107	9	<0.01	1	110	22	0.04	15	1
I357085		2.88	<10	<1	0.19	10	0.04	583	7	0.02	2	430	97	0.11	10	2
I357086		3.15	<10	<1	0.18	10	0.13	921	2	0.03	2	980	7	0.05	6	5
I357087		3.52	<10	<1	0.20	10	0.22	948	2	0.07	2	1480	6	0.04	2	7
I357088		1.77	<10	<1	0.12	<10	0.17	329	4	0.07	4	350	7	0.01	2	2
I357089		2.98	10	<1	0.15	10	0.40	569	24	0.11	5	930	5	0.04	2	4
I357090		2.47	10	<1	0.15	10	0.51	608	<1	0.11	2	1090	4	0.02	<2	5
I357091		2.51	10	<1	0.16	10	0.38	611	<1	0.10	3	1030	5	0.03	3	5
I357092		2.22	<10	<1	0.16	10	0.43	563	3	0.13	4	1000	5	0.01	<2	5
I357093		1.98	<10	<1	0.16	10	0.37	437	5	0.12	2	900	6	0.01	<2	4
I357094		2.83	10	<1	0.16	10	0.47	578	4	0.11	4	860	7	0.03	2	5
I357095		1.04	<10	<1	0.19	<10	0.12	206	<1	0.08	2	120	7	0.02	<2	1
I357096		1.96	<10	<1	0.16	10	0.27	497	1	0.08	4	720	5	0.02	2	4
I357097		2.60	<10	<1	0.18	10	0.31	526	10	0.06	4	910	10	0.42	3	5
I357098		3.10	<10	<1	0.23	10	0.09	451	132	0.02	5	430	54	0.24	5	2
I357099		0.90	<10	<1	0.26	<10	0.16	1370	3	0.01	2	280	13	0.01	2	2
I357100		2.61	<10	<1	0.16	10	0.53	589	<1	0.15	3	1170	2	0.02	<2	6

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Finalized Date: 3-JUL-2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11108865

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
I357081		48	<20	0.01	<10	<10	39	<10	51
I357082		16	<20	<0.01	<10	<10	32	<10	51
I357083		22	<20	<0.01	<10	<10	33	<10	55
I357084		14	<20	<0.01	<10	<10	7	<10	15
I357085		44	<20	<0.01	<10	<10	17	<10	43
I357086		56	<20	<0.01	<10	<10	42	<10	53
I357087		52	<20	0.02	<10	<10	59	<10	62
I357088		15	<20	0.02	<10	<10	26	<10	43
I357089		31	<20	0.06	<10	<10	47	<10	43
I357090		27	<20	0.06	<10	<10	56	<10	45
I357091		25	<20	0.06	<10	<10	55	<10	44
I357092		26	<20	0.08	<10	<10	53	<10	38
I357093		29	<20	0.08	<10	<10	46	<10	30
I357094		28	<20	0.05	<10	<10	59	<10	59
I357095		19	<20	0.01	<10	<10	9	<10	16
I357096		26	<20	0.03	<10	<10	38	<10	32
I357097		81	<20	0.01	<10	<10	45	<10	32
I357098		48	<20	<0.01	<10	<10	21	<10	37
I357099		43	<20	<0.01	<10	<10	12	<10	28
I357100		30	<20	0.08	<10	<10	61	<10	45

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Finalized Date: 3- JUL- 2011
Account: F

CERTIFICATE WH11109670

Project: Wolverine - DADE
P.O. No.:
This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- JUN- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Finalized Date: 3- JUL- 2011
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Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11109670

Sample Description	Method	WEI- 21	Au- AA24	Au- GRA22	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
I357101		1.45	0.058		0.2	1.03	25	<10	350	0.5	<2	0.78	<0.5	7	10	11
I357102		1.08	<0.005		<0.2	0.86	6	<10	250	<0.5	<2	1.10	<0.5	5	4	6
I357103		1.19	<0.005		<0.2	0.91	4	<10	430	<0.5	<2	1.05	<0.5	5	4	4
I357104		1.23	<0.005		<0.2	0.85	17	<10	310	0.6	<2	1.59	<0.5	8	12	7
I357105		0.98	<0.005		<0.2	0.86	14	<10	180	0.6	<2	0.92	<0.5	6	6	5
I357106		1.41	<0.005		<0.2	0.88	8	<10	150	<0.5	<2	0.75	<0.5	5	3	3
I357107		1.32	0.840		1.5	0.68	262	<10	190	0.6	14	0.27	<0.5	9	8	41
I357108		1.47	>10.0	70.1	55.7	0.22	1195	<10	120	<0.5	1150	0.14	0.6	15	9	45
I357109		1.76	3.57		7.8	0.37	822	<10	130	<0.5	74	0.20	0.6	18	9	35
I357110		1.29	0.746		5.2	0.35	582	<10	110	<0.5	30	0.24	0.5	12	11	38
I357111		0.83	0.024		0.3	0.83	125	<10	370	0.8	<2	1.24	1.0	18	4	49
I357112		0.45	0.016		0.2	0.83	39	<10	410	0.9	<2	1.43	0.7	9	3	18
I357113		1.44	0.021		0.2	1.22	29	<10	420	0.9	<2	1.61	<0.5	8	3	15

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Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11109670

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
I357101		2.37	<10	<1	0.16	10	0.45	665	1	0.08	9	1010	3	0.03	2	6
I357102		2.63	<10	<1	0.14	10	0.37	819	2	0.10	3	1180	2	0.01	<2	5
I357103		2.22	10	<1	0.16	10	0.41	546	<1	0.13	2	1140	<2	0.04	<2	5
I357104		3.22	<10	<1	0.16	20	0.40	835	<1	0.09	10	1100	<2	0.11	<2	7
I357105		3.13	<10	<1	0.16	10	0.12	785	<1	0.04	4	1080	3	0.04	<2	8
I357106		2.50	10	<1	0.17	10	0.35	705	<1	0.09	3	1040	<2	<0.01	<2	5
I357107		3.30	<10	<1	0.21	10	0.06	792	13	0.01	4	770	11	0.01	9	4
I357108		3.64	<10	<1	0.06	<10	0.05	184	59	0.02	2	200	339	0.04	25	1
I357109		2.89	<10	1	0.10	<10	0.08	321	44	0.02	3	290	62	0.01	7	2
I357110		2.26	<10	<1	0.09	10	0.04	437	41	0.01	3	270	24	0.02	10	2
I357111		2.81	<10	<1	0.19	10	0.23	844	7	0.03	3	900	4	0.08	6	5
I357112		3.56	<10	<1	0.18	10	0.24	840	5	0.01	3	1230	5	0.17	6	8
I357113		3.44	<10	1	0.25	20	0.16	1060	4	0.03	3	1340	5	0.09	5	6

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Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11109670

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
I357101		33	<20	0.06	<10	<10	50	<10	43
I357102		34	<20	0.06	<10	<10	55	<10	46
I357103		69	<20	0.06	<10	<10	47	<10	38
I357104		45	<20	0.04	<10	<10	58	<10	52
I357105		24	<20	<0.01	<10	<10	59	<10	52
I357106		28	<20	0.03	<10	<10	48	<10	47
I357107		18	<20	<0.01	<10	<10	28	<10	41
I357108		19	<20	0.01	<10	<10	21	10	28
I357109		20	<20	0.01	<10	<10	22	<10	25
I357110		17	<20	<0.01	<10	<10	16	<10	29
I357111		43	<20	0.01	<10	<10	35	<10	57
I357112		34	<20	<0.01	<10	<10	51	<10	64
I357113		30	<20	<0.01	<10	<10	50	<10	59

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Finalized Date: 21- JUL- 2011
Account: F

CERTIFICATE WH11126765

Project: Wolverine - DADE

P.O. No.: BATCH 3

This report is for 36 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
SCR- 21	Screen to - 100 um
FND- 03	Find Reject for Addn Analysis
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 21- JUL- 2011
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Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11126765

Sample Description	Method / Analyte / Units / LOR	Au- SCR24 Au Total ppm 0.05	Au- SCR24 Au (+) F ppm 0.05	Au- SCR24 Au (-) F ppm 0.05	Au- SCR24 Au (+) m mg 0.001	Au- SCR24 WT. + Fr g 0.01	Au- SCR24 WT. - Fr g 0.1	Au- AA26 Au ppm 0.01	Au- AA26D Au ppm 0.01
K274772		<0.05	<0.05	<0.05	<0.001	36.41	1120.5	<0.01	<0.01
K274773		<0.05	<0.05	<0.05	<0.001	68.15	1161.0	<0.01	<0.01
K274774		<0.05	<0.05	<0.05	<0.001	11.01	1037.5	<0.01	<0.01
K274775		<0.05	<0.05	<0.05	<0.001	8.00	420.5	<0.01	<0.01
K274776		<0.05	<0.05	<0.05	<0.001	21.70	946.5	<0.01	<0.01
K274777		<0.05	<0.05	<0.05	<0.001	29.22	874.1	<0.01	<0.01
K274779		<0.05	<0.05	<0.05	<0.001	21.99	1159.5	<0.01	<0.01
K274780		<0.05	<0.05	<0.05	<0.001	25.79	906.6	<0.01	<0.01
K274781		<0.05	<0.05	<0.05	<0.001	44.21	1248.5	<0.01	<0.01
K274782		<0.05	<0.05	<0.05	<0.001	42.14	1105.0	<0.01	<0.01
K274783		<0.05	<0.05	<0.05	<0.001	54.65	1293.5	<0.01	<0.01
K274784		<0.05	<0.05	<0.05	<0.001	40.37	1184.0	<0.01	<0.01
K274785		<0.05	<0.05	<0.05	<0.001	35.48	897.4	<0.01	<0.01
K274786		<0.05	<0.05	<0.05	<0.001	24.83	1080.0	0.02	0.01
K274787		0.19	0.16	0.19	0.005	32.24	1141.5	0.19	0.19
K274788		0.10	<0.05	0.11	<0.001	31.64	1224.5	0.09	0.12
K274789		<0.05	<0.05	<0.05	<0.001	47.33	1049.0	0.02	0.02
K274791		<0.05	<0.05	<0.05	<0.001	29.67	1053.0	0.03	0.04
K274792		0.15	0.24	0.15	0.008	33.70	941.2	0.16	0.14
K274793		<0.05	<0.05	<0.05	<0.001	32.23	1050.5	<0.01	<0.01
K274794		<0.05	<0.05	<0.05	<0.001	38.37	900.3	0.01	0.01
K274795		<0.05	<0.05	<0.05	<0.001	59.42	925.3	0.01	<0.01
K274796		<0.05	<0.05	<0.05	<0.001	37.37	945.2	0.02	0.03
K274801		<0.05	<0.05	<0.05	<0.001	36.40	927.3	<0.01	0.01
K274802		<0.05	<0.05	<0.05	<0.001	79.06	1300.0	<0.01	0.01
K274803		<0.05	<0.05	<0.05	<0.001	66.49	974.2	0.01	<0.01
K274804		<0.05	<0.05	<0.05	<0.001	50.34	882.8	<0.01	<0.01
K274806		<0.05	<0.05	<0.05	<0.001	66.18	920.5	<0.01	0.01
K274807		<0.05	<0.05	<0.05	<0.001	60.25	1081.0	0.01	0.01
K274808		<0.05	<0.05	<0.05	<0.001	73.83	962.3	<0.01	<0.01
K274809		<0.05	<0.05	<0.05	<0.001	50.51	1161.5	<0.01	0.02
K274810		<0.05	<0.05	<0.05	<0.001	59.56	1202.5	0.01	0.01
K274811		<0.05	<0.05	<0.05	<0.001	77.38	957.2	0.01	0.01

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CERTIFICATE WH11126766

Project: Wolverine - DADE
P.O. No.: BATCH 4
This report is for 35 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
SCR- 21	Screen to - 100 um
FND- 03	Find Reject for Addn Analysis
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 21- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11126766

Sample Description	Method Analyte Units LOR	Au- SCR24 Au Total ppm 0.05	Au- SCR24 Au (+) F ppm 0.05	Au- SCR24 Au (-) F ppm 0.05	Au- SCR24 Au (+) m mg 0.001	Au- SCR24 WT. + Fr g 0.01	Au- SCR24 WT. - Fr g 0.1	Au- AA26 Au ppm 0.01	Au- AA26D Au ppm 0.01
K274812		<0.05	<0.05	<0.05	<0.001	21.04	1010.5	<0.01	<0.01
K274813		<0.05	<0.05	<0.05	<0.001	20.04	1283.5	0.01	<0.01
K274814		<0.05	<0.05	<0.05	<0.001	41.69	1060.5	<0.01	<0.01
K274815		<0.05	<0.05	<0.05	<0.001	34.81	1245.0	<0.01	<0.01
K274816		<0.05	<0.05	<0.05	<0.001	10.90	1082.5	<0.01	<0.01
K274817		<0.05	<0.05	<0.05	<0.001	63.32	938.3	<0.01	<0.01
K274818		<0.05	<0.05	<0.05	<0.001	43.10	910.1	0.01	0.01
K274820		0.06	0.15	0.06	0.004	27.36	1207.5	0.07	0.04
K274821		<0.05	0.15	<0.05	0.003	20.23	1106.5	0.03	0.03
K274822		<0.05	<0.05	<0.05	<0.001	16.40	1066.5	0.04	0.03
K274823		<0.05	<0.05	0.05	<0.001	36.89	1081.5	0.05	0.04
K274824		<0.05	<0.05	<0.05	<0.001	11.67	1037.0	0.02	0.02
K274825		<0.05	<0.05	<0.05	<0.001	39.92	989.0	0.02	0.02
K274826		<0.05	<0.05	<0.05	<0.001	17.85	962.6	0.02	0.02
K274827		<0.05	<0.05	<0.05	<0.001	38.05	1316.5	0.01	0.01
K274829		<0.05	<0.05	<0.05	<0.001	13.92	939.7	0.01	0.01
K274830		<0.05	<0.05	<0.05	<0.001	32.02	1244.0	0.01	0.01
K274831		<0.05	<0.05	<0.05	<0.001	9.35	996.4	<0.01	<0.01
K274832		<0.05	<0.05	<0.05	<0.001	24.12	926.5	0.02	0.02
K274833		<0.05	<0.05	<0.05	<0.001	13.57	969.1	0.01	0.01
K274834		<0.05	<0.05	<0.05	<0.001	52.31	1049.5	0.01	0.01
K274835		<0.05	<0.05	<0.05	<0.001	56.89	915.4	0.02	0.01
K274836		<0.05	<0.05	<0.05	<0.001	12.08	1016.5	0.01	0.01
K274838		0.09	0.09	0.09	0.002	22.21	1152.0	0.09	0.08
K274839		<0.05	0.09	<0.05	0.004	46.55	1105.5	0.02	0.01
K274840		<0.05	0.12	<0.05	0.003	24.47	1005.0	<0.01	<0.01
K274841		<0.05	<0.05	<0.05	<0.001	33.24	1203.0	0.01	<0.01
K274842		<0.05	<0.05	<0.05	<0.001	34.11	1155.5	0.01	0.01
K274843		<0.05	<0.05	<0.05	0.001	46.03	799.0	0.04	0.01
K274844		<0.05	0.05	<0.05	0.001	18.58	986.1	0.04	0.03
K274845		<0.05	<0.05	<0.05	<0.001	36.26	776.2	0.01	0.01
K274846		<0.05	<0.05	<0.05	<0.001	11.73	1038.5	0.04	0.03

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VANCOUVER BC V6B 1L8

Finalized Date: 21- JUL- 2011
Account: F

CERTIFICATE WH11126767

Project: Wolverine - DADE

P.O. No.: BATCH 1

This report is for 36 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
SCR- 21	Screen to - 100 um
FND- 03	Find Reject for Addn Analysis
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

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Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 21- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11126767

Sample Description	Method	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- AA26	Au- AA26D
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm
	LOR	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
K274701		<0.05	<0.05	<0.05	<0.001	24.97	1019.0	<0.01	0.01
K274702		<0.05	<0.05	<0.05	<0.001	35.09	916.5	0.01	0.01
K274703		<0.05	<0.05	<0.05	<0.001	59.98	1109.5	<0.01	<0.01
K274704		<0.05	<0.05	<0.05	<0.001	30.85	990.0	<0.01	0.01
K274705		<0.05	<0.05	<0.05	<0.001	34.88	901.4	0.01	0.01
K274706		<0.05	<0.05	<0.05	<0.001	34.02	1098.0	<0.01	0.01
K274708		<0.05	<0.05	<0.05	<0.001	28.31	912.3	0.01	0.01
K274709		<0.05	<0.05	<0.05	<0.001	56.73	755.1	<0.01	0.01
K274710		<0.05	<0.05	<0.05	<0.001	37.67	790.5	0.03	0.04
K274711		<0.05	<0.05	<0.05	<0.001	21.52	1067.0	<0.01	0.01
K274712		<0.05	<0.05	<0.05	<0.001	32.01	1093.5	<0.01	<0.01
K274713		<0.05	0.44	<0.05	0.014	31.61	1124.5	0.03	0.02
K274714		<0.05	<0.05	<0.05	<0.001	50.15	907.6	0.02	0.03
K274715		0.60	0.30	0.61	0.008	26.81	915.5	0.62	0.59
K274716		0.05	<0.05	0.06	<0.001	23.95	990.0	0.05	0.06
K274717		<0.05	<0.05	<0.05	<0.001	30.41	965.8	0.02	0.02
K274718		<0.05	<0.05	<0.05	<0.001	15.86	840.1	<0.01	<0.01
K274719		<0.05	<0.05	<0.05	<0.001	42.13	1176.5	<0.01	<0.01
K274721		0.07	<0.05	0.08	<0.001	54.78	1084.0	0.08	0.07
K274722		<0.05	<0.05	<0.05	<0.001	70.88	994.9	0.02	0.02
K274723		<0.05	<0.05	<0.05	<0.001	46.68	1162.5	0.02	0.03
K274724		<0.05	<0.05	<0.05	<0.001	70.44	841.9	<0.01	<0.01
K274725		8.10	14.85	7.95	0.382	25.76	1140.0	7.94	7.95
K274726		1.73	2.22	1.72	0.048	21.65	967.5	1.73	1.71
K274727		0.94	1.40	0.94	0.014	10.02	1317.0	0.91	0.96
K274728		<0.05	<0.05	<0.05	<0.001	44.98	869.4	0.02	0.02
K274729		<0.05	<0.05	<0.05	<0.001	25.10	984.3	0.02	0.02
K274730		0.15	<0.05	0.16	<0.001	58.32	728.4	0.06	0.26
K274731		0.91	1.08	0.91	0.016	14.88	1142.0	0.91	0.91
K274732		21.1	72.0	20.00	1.691	23.49	1102.0	19.85	20.1
K274733		<0.05	<0.05	<0.05	<0.001	57.22	1132.5	0.01	0.01
K274734		1.73	2.41	1.72	0.048	19.89	1287.5	1.74	1.70
K274735		0.89	1.49	0.88	0.031	20.76	1014.5	0.87	0.89

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VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2011
Account: F

CERTIFICATE WH11128100

Project: Wolverine- DADE
P.O. No.: Batch 2
This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 15- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11128100

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	Au- GRA22 Au ppm 0.05	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
K274737		10.26	0.369		0.5	0.81	539	<10	340	1.1	9	0.45	<0.5	28	6	42
K274738		6.53	9.98		13.3	0.56	841	<10	200	0.8	205	0.22	0.7	43	6	98
K274739		9.08	2.28		4.5	0.33	515	<10	130	<0.5	45	0.20	0.5	20	9	26
K274740		5.20	1.540		8.3	0.22	567	<10	80	<0.5	43	0.06	0.7	17	10	43
K274741		2.67	<0.005		<0.2	0.04	9	<10	10	<0.5	<2	19.2	<0.5	<1	1	1
K274742		4.78	0.072		0.9	0.61	443	<10	190	1.2	3	0.22	1.2	26	2	49
K274743		4.00	0.023		<0.2	0.73	208	<10	230	1.1	<2	0.40	1.1	29	3	30
K274744		4.06	0.022		0.2	0.77	244	<10	240	1.1	<2	0.41	0.9	19	3	29
K274745		6.85	0.009		<0.2	0.92	43	<10	400	0.9	<2	2.37	0.6	9	2	13
K274746		11.61	0.217		0.4	0.88	166	<10	500	0.8	2	0.60	<0.5	12	17	17
K274747		8.29	<0.005		<0.2	1.10	14	<10	190	0.6	2	0.65	<0.5	9	8	9
K274748		10.77	0.007		<0.2	1.00	9	<10	250	0.5	<2	0.72	<0.5	6	4	5
K274749		5.26	<0.005		<0.2	1.14	41	<10	350	0.8	<2	1.17	<0.5	11	12	10
K274750		0.12	>10.0	15.30	8.1	0.29	462	<10	20	<0.5	<2	0.16	<0.5	7	27	44
K274751		7.57	0.006		<0.2	0.92	23	<10	240	0.9	<2	1.47	<0.5	10	4	10
K274752		7.43	0.005		<0.2	1.16	23	<10	230	0.6	<2	0.65	<0.5	9	4	6
K274753		12.26	0.037		<0.2	1.16	48	<10	160	0.5	2	0.68	<0.5	8	5	14
K274754		10.74	2.45		0.3	1.04	99	<10	160	0.5	5	0.40	<0.5	7	5	29
K274755		7.24	0.115		0.4	1.09	99	<10	170	0.5	8	0.53	<0.5	8	8	22
K274756		7.17	0.035		<0.2	1.34	58	<10	220	0.7	2	0.74	<0.5	10	5	20
K274757		5.86	0.050		<0.2	1.17	56	<10	180	0.5	2	0.66	<0.5	9	7	19
K274758		12.95	0.141		0.2	1.15	59	<10	170	0.5	3	0.62	<0.5	8	5	23
K274759		2.11	<0.005		<0.2	0.05	<2	<10	10	<0.5	<2	19.5	<0.5	1	1	4
K274760		7.68	0.197		<0.2	1.34	111	<10	190	0.6	5	0.75	<0.5	10	6	39
K274761		10.86	0.316		0.2	1.19	72	<10	170	0.5	6	0.72	<0.5	8	6	29
K274762		4.67	0.181		<0.2	0.88	62	<10	140	<0.5	5	0.40	<0.5	5	6	23
K274763		4.70	0.259		<0.2	0.89	57	<10	130	<0.5	5	0.39	<0.5	5	6	23
K274764		8.28	0.814		0.5	0.95	172	<10	150	0.5	5	0.45	<0.5	7	5	39
K274765		5.46	0.771		0.8	0.71	283	<10	220	0.7	12	0.46	<0.5	8	6	55
K274766		7.84	2.16		2.8	0.41	134	<10	140	<0.5	21	0.34	<0.5	5	5	57
K274767		3.87	0.007		<0.2	0.41	24	<10	260	0.6	2	0.40	<0.5	2	6	3
K274768		3.23	<0.005		<0.2	0.04	2	<10	<10	<0.5	<2	19.7	<0.5	1	1	2
K274769		10.70	0.156		<0.2	1.00	146	<10	140	0.5	4	0.45	<0.5	8	9	31
K274770		6.54	<0.005		<0.2	0.95	9	<10	150	0.5	<2	0.68	<0.5	7	7	8
K274771		0.12	>10.0	15.05	8.6	0.31	489	<10	30	<0.5	2	0.18	<0.5	7	27	45
K274800		0.11	>10.0	14.70	7.7	0.29	483	<10	30	<0.5	2	0.16	<0.5	8	26	44

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 15- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11128100

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
K274737		4.33	<10	<1	0.26	10	0.06	986	4	0.02	6	1350	15	0.06	10	7
K274738		3.86	<10	<1	0.23	10	0.05	503	20	0.02	4	650	100	0.10	20	3
K274739		2.74	<10	<1	0.15	<10	0.02	396	24	0.02	3	520	39	0.06	7	2
K274740		2.59	<10	<1	0.08	<10	0.01	175	79	0.01	1	110	50	0.06	21	1
K274741		0.42	<10	<1	0.02	<10	11.95	184	1	0.03	4	240	2	0.03	<2	<1
K274742		3.71	<10	<1	0.25	10	0.06	690	35	<0.01	3	310	22	0.05	9	4
K274743		2.99	<10	<1	0.24	10	0.07	943	17	0.01	6	850	19	0.02	12	5
K274744		3.24	<10	<1	0.26	10	0.05	801	15	0.01	5	770	22	0.04	12	6
K274745		3.79	<10	1	0.21	10	0.13	1090	5	0.01	3	1160	9	0.14	4	6
K274746		3.51	<10	<1	0.18	10	0.20	956	5	0.03	11	1080	8	0.04	3	8
K274747		3.26	<10	<1	0.15	10	0.37	850	1	0.07	5	1290	2	<0.01	<2	6
K274748		2.77	<10	<1	0.14	10	0.41	720	<1	0.08	2	1200	3	0.01	<2	6
K274749		4.33	<10	<1	0.17	20	0.35	1390	<1	0.05	9	1490	5	0.02	4	11
K274750		3.14	<10	3	0.18	10	0.07	126	5	0.01	14	500	2	2.17	27	1
K274751		4.03	<10	<1	0.18	10	0.31	1085	<1	0.02	4	1300	8	0.03	<2	10
K274752		3.80	<10	<1	0.18	10	0.36	1050	<1	0.07	3	1520	3	<0.01	<2	8
K274753		3.15	<10	<1	0.13	10	0.57	762	1	0.09	3	1280	4	<0.01	<2	6
K274754		2.74	<10	<1	0.14	10	0.40	512	3	0.07	5	920	6	<0.01	2	4
K274755		3.21	<10	<1	0.12	10	0.45	686	7	0.07	6	1090	7	<0.01	4	5
K274756		4.07	<10	<1	0.14	10	0.51	1055	1	0.08	4	1640	4	<0.01	<2	8
K274757		3.26	<10	<1	0.13	10	0.49	787	2	0.08	4	1280	4	<0.01	<2	6
K274758		3.07	<10	1	0.12	10	0.49	695	1	0.09	4	1180	4	<0.01	<2	6
K274759		0.42	<10	<1	0.02	10	11.80	185	<1	0.01	<1	460	<2	0.05	<2	<1
K274760		3.80	<10	<1	0.15	10	0.62	760	3	0.09	5	1410	8	<0.01	2	7
K274761		3.26	10	<1	0.12	10	0.61	678	2	0.08	4	1250	6	0.01	<2	6
K274762		2.44	<10	<1	0.14	10	0.37	480	2	0.07	4	740	7	<0.01	<2	4
K274763		2.36	<10	<1	0.13	10	0.38	449	2	0.07	3	760	6	<0.01	<2	4
K274764		2.95	<10	<1	0.16	10	0.34	546	3	0.07	5	970	9	0.01	<2	5
K274765		3.27	<10	<1	0.16	10	0.17	530	14	0.03	6	1070	16	0.06	6	6
K274766		2.25	<10	1	0.19	<10	0.07	306	23	0.01	4	260	33	0.09	3	1
K274767		0.56	<10	<1	0.22	<10	0.05	311	2	<0.01	2	270	17	<0.01	<2	1
K274768		0.40	<10	<1	0.03	<10	12.05	179	<1	0.01	<1	200	<2	0.04	<2	<1
K274769		2.94	<10	1	0.14	10	0.38	621	12	0.07	6	910	6	<0.01	5	5
K274770		3.01	<10	<1	0.13	10	0.40	807	1	0.09	3	1260	<2	0.01	<2	6
K274771		3.32	<10	2	0.19	10	0.07	130	5	0.01	14	530	5	2.28	31	2
K274800		3.28	<10	2	0.18	10	0.06	127	5	0.01	14	520	5	2.23	30	1

ALS Canada Ltd.

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

Finalized Date: 15- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11128100

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
K274737		27	<20	<0.01	<10	<10	45	<10	82
K274738		35	<20	<0.01	10	<10	25	<10	62
K274739		15	<20	<0.01	<10	<10	17	<10	25
K274740		22	<20	<0.01	<10	<10	10	<10	40
K274741		51	<20	<0.01	<10	<10	<1	<10	16
K274742		35	<20	<0.01	10	<10	17	<10	94
K274743		27	<20	<0.01	10	<10	23	<10	102
K274744		37	<20	<0.01	<10	<10	26	<10	95
K274745		32	<20	<0.01	<10	<10	42	<10	58
K274746		34	<20	0.01	<10	<10	64	<10	59
K274747		31	<20	0.03	<10	<10	64	<10	58
K274748		36	<20	0.03	<10	<10	53	<10	49
K274749		42	<20	0.01	<10	<10	79	<10	77
K274750		7	<20	<0.01	<10	<10	14	<10	44
K274751		36	<20	<0.01	<10	<10	70	<10	71
K274752		34	<20	0.02	<10	<10	71	<10	69
K274753		30	<20	0.05	<10	<10	66	<10	53
K274754		27	<20	0.02	<10	<10	53	10	39
K274755		29	<20	0.04	<10	<10	60	10	48
K274756		32	<20	0.03	<10	<10	80	<10	67
K274757		31	<20	0.04	<10	<10	68	<10	54
K274758		31	<20	0.04	<10	<10	67	<10	48
K274759		54	<20	<0.01	<10	10	2	<10	14
K274760		35	<20	0.06	<10	<10	81	<10	54
K274761		28	<20	0.04	<10	<10	73	<10	49
K274762		27	<20	0.03	<10	<10	46	<10	37
K274763		27	<20	0.02	<10	<10	46	<10	33
K274764		28	<20	0.02	<10	<10	52	<10	39
K274765		24	<20	0.01	<10	<10	48	10	41
K274766		40	<20	<0.01	<10	<10	12	10	30
K274767		33	<20	<0.01	<10	<10	4	<10	16
K274768		56	<20	<0.01	<10	10	1	<10	13
K274769		29	<20	0.03	<10	<10	53	<10	48
K274770		30	<20	0.04	<10	<10	64	<10	53
K274771		7	<20	<0.01	<10	<10	14	<10	47
K274800		7	<20	<0.01	<10	<10	14	<10	46

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

Finalized Date: 18-JUL-2011
Account: F

CERTIFICATE WH11128101

Project: Wolverine - DADE
P.O. No.: BATCH 1
This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8-JUL-2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128101

Sample Description	Method	WEI- 21	Au- AA24	Au- GRA22	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
K274701		7.59	0.010		<0.2	0.94	32	<10	1850	0.8	<2	0.51	<0.5	7	8	9
K274702		7.16	0.008		<0.2	1.09	86	<10	260	1.1	<2	0.50	<0.5	10	6	9
K274703		6.90	<0.005		<0.2	1.17	13	<10	430	0.7	<2	1.45	<0.5	9	10	11
K274704		4.44	0.007		<0.2	1.16	62	<10	420	1.2	<2	0.76	<0.5	10	7	9
K274705		6.79	0.005		<0.2	0.91	107	<10	620	1.1	<2	1.66	<0.5	9	4	14
K274706		10.71	<0.005		<0.2	0.94	55	<10	1710	1.1	<2	3.43	<0.5	7	3	16
K274707		0.12	>10.0	15.00	8.0	0.30	491	<10	30	<0.5	<2	0.16	<0.5	8	28	46
K274708		6.97	0.013		<0.2	0.93	108	<10	460	1.1	<2	2.62	<0.5	8	3	15
K274709		10.59	0.008		<0.2	0.86	120	<10	280	0.9	<2	2.94	<0.5	8	3	18
K274710		6.77	0.030		<0.2	0.80	128	<10	470	1.0	<2	0.74	<0.5	9	2	19
K274711		8.91	0.008		<0.2	0.81	59	<10	470	0.7	<2	0.90	<0.5	7	2	11
K274712		2.06	<0.005		<0.2	0.04	3	<10	10	<0.5	<2	18.9	<0.5	1	<1	3
K274713		6.06	0.022		0.3	0.77	199	<10	760	1.1	<2	0.39	<0.5	11	2	14
K274714		4.59	0.027		0.4	0.91	192	<10	640	1.1	<2	1.45	<0.5	13	3	46
K274715		9.71	0.613		2.9	0.36	1295	<10	290	<0.5	17	0.08	<0.5	17	5	94
K274716		9.20	0.059		1.0	0.68	1115	<10	410	1.1	3	0.49	<0.5	11	2	78
K274717		9.81	0.020		0.3	0.65	460	<10	330	1.0	<2	0.61	<0.5	6	2	42
K274718		6.92	<0.005		<0.2	1.01	177	<10	230	1.1	<2	2.76	<0.5	9	5	6
K274719		9.29	<0.005		<0.2	0.98	16	<10	380	0.6	<2	1.75	<0.5	7	3	3
K274720		0.11	>10.0	NSS	9.8	0.28	489	<10	30	<0.5	<2	0.16	<0.5	8	27	45
K274721		6.56	0.092		0.2	0.91	206	<10	700	1.0	<2	0.43	<0.5	11	4	22
K274722		10.90	0.017		0.2	0.82	192	<10	600	0.9	<2	0.35	<0.5	11	2	32
K274723		11.23	0.023		0.3	0.85	129	<10	640	1.0	<2	0.52	<0.5	14	2	46
K274724		2.47	0.010		<0.2	0.05	4	<10	20	<0.5	<2	19.8	<0.5	<1	<1	2
K274725		8.58	5.97		11.6	0.56	3520	<10	400	0.7	156	0.19	0.6	31	3	175
K274726		8.99	2.04		4.5	0.28	1485	<10	170	<0.5	83	0.10	<0.5	7	6	74
K274727		9.42	1.000		3.3	0.32	2100	<10	520	<0.5	56	0.09	<0.5	10	4	59
K274728		4.97	0.016		<0.2	0.76	218	<10	300	1.5	<2	0.50	<0.5	6	2	18
K274729		5.49	0.011		<0.2	1.01	141	<10	560	1.2	<2	0.85	<0.5	10	2	17
K274730		3.27	<0.005		<0.2	1.23	72	<10	460	1.1	<2	0.70	<0.5	8	2	7
K274731		6.21	1.065		5.2	0.84	1420	<10	640	0.7	52	0.16	0.5	34	3	89
K274732		5.77	>10.0	23.9	33.7	0.32	2450	<10	240	<0.5	714	0.09	<0.5	12	7	52
K274733		3.93	0.029		<0.2	0.05	54	<10	20	<0.5	<2	19.2	<0.5	1	1	5
K274734		5.88	1.880		10.3	0.07	582	<10	390	<0.5	63	0.04	<0.5	9	11	46
K274735		4.41	0.897		4.3	0.20	542	<10	60	<0.5	111	0.10	<0.5	5	11	67
K274736		0.11	>10.0	15.85	10.3	0.28	480	<10	30	<0.5	<2	0.15	<0.5	7	27	45

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

ALS Minerals

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

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128101

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
K274701		3.35	<10	<1	0.18	10	0.11	888	1	0.03	5	1210	7	0.04	2	6
K274702		3.54	<10	<1	0.25	10	0.10	841	1	0.01	5	1230	12	<0.01	3	9
K274703		4.01	10	1	0.21	20	0.44	1025	<1	0.10	8	1610	4	0.03	<2	10
K274704		4.53	<10	1	0.24	20	0.20	1115	<1	0.03	7	1600	7	<0.01	4	11
K274705		3.99	<10	1	0.28	10	0.11	1040	1	<0.01	3	1470	14	0.01	5	8
K274706		3.51	<10	<1	0.27	10	0.23	1000	1	0.01	3	1520	8	0.08	5	9
K274707		3.21	<10	3	0.19	10	0.06	125	6	<0.01	16	510	5	2.27	29	1
K274708		3.56	<10	<1	0.24	10	0.13	984	1	0.02	3	1470	7	0.01	4	9
K274709		4.16	<10	<1	0.21	10	0.12	1105	1	<0.01	3	1430	9	<0.01	8	9
K274710		3.67	<10	<1	0.24	10	0.07	829	1	<0.01	2	1380	9	<0.01	6	9
K274711		3.26	<10	<1	0.21	10	0.09	858	1	0.03	2	1250	6	0.02	3	7
K274712		0.40	<10	<1	0.02	<10	11.80	178	<1	0.01	1	190	<2	<0.01	<2	<1
K274713		3.00	<10	<1	0.31	10	0.06	719	2	<0.01	2	1160	14	<0.01	5	5
K274714		3.51	<10	<1	0.22	10	0.13	947	5	<0.01	4	1190	11	0.12	11	6
K274715		4.32	<10	<1	0.23	<10	0.02	185	19	<0.01	1	240	36	0.27	25	2
K274716		3.47	<10	1	0.31	10	0.07	450	9	0.01	2	650	32	0.15	19	3
K274717		1.93	<10	<1	0.29	10	0.05	360	5	<0.01	2	510	20	0.04	12	3
K274718		4.19	<10	<1	0.26	10	0.19	1115	<1	0.02	3	1560	7	0.05	3	8
K274719		3.26	<10	<1	0.19	10	0.33	858	<1	0.08	2	1400	3	0.02	<2	7
K274720		3.20	<10	3	0.18	10	0.06	124	5	<0.01	16	510	5	2.26	29	1
K274721		3.48	<10	<1	0.26	10	0.05	960	4	<0.01	3	1150	13	<0.01	7	5
K274722		3.40	<10	<1	0.25	10	0.04	906	5	<0.01	2	1090	13	<0.01	10	5
K274723		3.25	<10	<1	0.31	10	0.05	702	5	<0.01	2	1000	15	0.03	11	4
K274724		0.41	<10	<1	0.03	<10	12.35	185	<1	0.01	<1	250	<2	<0.01	<2	<1
K274725		8.25	<10	1	0.29	10	0.05	299	17	<0.01	4	450	110	0.29	43	4
K274726		3.62	<10	<1	0.17	<10	0.03	123	15	<0.01	1	110	72	0.10	34	1
K274727		3.88	<10	<1	0.16	<10	0.02	147	13	<0.01	1	130	50	0.06	28	2
K274728		1.76	<10	<1	0.32	10	0.05	645	4	<0.01	2	440	19	0.02	6	2
K274729		3.93	<10	<1	0.24	10	0.08	859	3	0.01	2	1490	11	0.01	6	9
K274730		3.84	<10	1	0.26	10	0.09	1010	1	0.01	3	1720	9	<0.01	3	10
K274731		5.21	<10	<1	0.30	10	0.04	475	13	<0.01	3	630	70	0.24	16	5
K274732		7.17	<10	<1	0.10	<10	0.04	240	32	<0.01	2	190	429	0.04	33	1
K274733		0.44	<10	<1	0.02	<10	11.90	184	<1	0.01	<1	210	2	<0.01	<2	<1
K274734		2.83	<10	<1	0.02	<10	0.02	113	16	<0.01	2	40	111	<0.01	21	<1
K274735		3.13	<10	<1	0.07	<10	0.05	156	16	<0.01	2	110	48	<0.01	20	1
K274736		3.16	<10	2	0.17	10	0.06	122	5	<0.01	15	500	5	2.23	28	1

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

ALS Canada Ltd.

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ALS Minerals

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128101

Sample Description	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Method / Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	1	20	0.01	10	10	1	10	2
K274701	35	<20	0.01	<10	<10	55	<10	59
K274702	24	<20	<0.01	<10	<10	55	<10	80
K274703	61	<20	0.04	<10	<10	89	<10	77
K274704	34	<20	<0.01	<10	<10	70	<10	88
K274705	35	<20	<0.01	<10	<10	55	<10	76
K274706	85	<20	<0.01	<10	<10	46	<10	59
K274707	7	<20	<0.01	<10	<10	14	<10	46
K274708	57	<20	<0.01	<10	<10	54	<10	62
K274709	44	<20	<0.01	<10	<10	58	<10	66
K274710	23	<20	<0.01	<10	<10	54	<10	63
K274711	33	<20	0.01	<10	<10	49	<10	58
K274712	55	<20	<0.01	<10	<10	1	<10	14
K274713	15	<20	<0.01	<10	<10	22	<10	54
K274714	27	<20	<0.01	<10	<10	44	<10	58
K274715	48	<20	<0.01	<10	<10	13	<10	34
K274716	65	<20	<0.01	<10	<10	22	<10	59
K274717	43	<20	<0.01	<10	<10	15	<10	35
K274718	59	<20	<0.01	<10	<10	55	<10	79
K274719	63	<20	0.02	<10	<10	60	<10	61
K274720	7	<20	<0.01	<10	<10	13	<10	46
K274721	23	<20	<0.01	<10	<10	41	<10	62
K274722	16	<20	<0.01	<10	<10	37	<10	58
K274723	20	<20	<0.01	<10	<10	23	<10	51
K274724	59	<20	<0.01	<10	10	1	<10	16
K274725	46	<20	<0.01	<10	<10	24	20	64
K274726	50	<20	<0.01	<10	<10	6	10	22
K274727	36	<20	<0.01	<10	<10	9	20	25
K274728	34	<20	<0.01	<10	<10	13	<10	45
K274729	33	<20	<0.01	<10	<10	59	<10	74
K274730	30	<20	<0.01	<10	<10	64	<10	70
K274731	38	<20	<0.01	<10	<10	41	<10	59
K274732	23	<20	<0.01	<10	<10	15	30	24
K274733	56	<20	<0.01	<10	<10	1	<10	16
K274734	9	<20	<0.01	<10	<10	9	<10	13
K274735	10	<20	<0.01	<10	<10	9	<10	22
K274736	7	<20	<0.01	<10	<10	13	<10	45

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

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

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128101

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

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

Finalized Date: 21- JUL- 2011
Account: F

CERTIFICATE WH11128102

Project: Wolverine - DADE

P.O. No.: BATCH 4

This report is for 35 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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ALS Minerals

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 21- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128102

Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K274812		10.29	0.012	<0.2	0.73	40	<10	340	1.0	<2	0.26	<0.5	6	6	10	2.22
K274813		8.64	0.014	<0.2	0.60	40	<10	180	0.9	<2	0.20	<0.5	5	6	6	1.91
K274814		11.33	0.005	<0.2	0.58	41	<10	250	1.0	<2	0.27	<0.5	5	5	6	1.90
K274815		5.92	0.006	<0.2	0.84	28	<10	610	0.9	<2	1.37	<0.5	7	6	7	3.06
K274816		3.33	<0.005	<0.2	0.02	3	<10	10	<0.5	<2	19.6	<0.5	1	<1	2	0.45
K274817		4.96	0.005	<0.2	1.16	31	<10	190	0.5	<2	1.27	<0.5	8	5	7	3.53
K274818		8.31	0.011	<0.2	1.02	67	<10	770	0.9	<2	2.42	<0.5	7	3	8	3.37
K274819		0.17	0.253	>100	1.03	4740	<10	40	<0.5	<2	1.43	138.0	10	26	523	7.52
K274820		5.69	0.036	0.2	0.89	455	<10	200	0.9	<2	0.76	<0.5	10	6	29	3.73
K274821		10.72	0.029	0.2	0.91	595	<10	320	0.9	<2	0.54	<0.5	10	8	25	3.14
K274822		9.71	0.037	0.3	1.05	798	<10	240	0.9	2	0.63	<0.5	11	9	20	2.96
K274823		6.14	0.053	0.5	1.08	373	<10	130	0.8	4	0.62	<0.5	10	5	31	3.56
K274824		3.99	0.014	<0.2	1.14	66	<10	130	0.5	<2	0.70	<0.5	7	8	14	2.98
K274825		3.45	0.014	<0.2	1.05	56	<10	120	0.5	<2	0.60	<0.5	6	7	18	2.92
K274826		4.16	0.018	0.2	1.07	33	<10	130	0.6	<2	0.53	<0.5	7	6	19	3.04
K274827		5.90	<0.005	0.2	1.25	15	<10	130	0.5	<2	1.45	<0.5	8	8	17	3.40
K274828		0.17	0.249	>100	1.00	4650	<10	40	<0.5	<2	1.41	133.0	10	26	499	7.21
K274829		7.30	0.009	0.4	1.07	37	<10	130	0.6	<2	0.70	<0.5	7	5	16	3.05
K274830		11.43	0.008	<0.2	1.07	20	<10	250	0.6	<2	1.16	<0.5	7	3	12	3.18
K274831		2.18	<0.005	<0.2	0.05	3	<10	10	<0.5	<2	19.3	<0.5	1	1	1	0.43
K274832		5.45	0.016	0.2	1.38	15	<10	160	0.6	<2	0.88	<0.5	9	6	21	3.72
K274833		7.71	0.007	0.2	1.07	11	<10	140	0.7	<2	0.92	<0.5	7	4	10	3.29
K274834		9.38	0.007	<0.2	0.78	28	<10	100	<0.5	<2	0.56	<0.5	6	6	13	2.28
K274835		6.19	0.012	<0.2	0.89	29	<10	270	0.6	<2	0.35	<0.5	5	6	12	2.58
K274836		4.11	0.011	<0.2	1.15	27	<10	210	0.5	<2	0.44	<0.5	7	17	14	2.41
K274837		0.17	0.205	>100	1.00	4610	<10	50	<0.5	<2	1.41	133.0	10	26	501	7.24
K274838		8.82	0.225	0.6	0.80	46	<10	430	0.7	5	0.37	<0.5	5	8	13	2.41
K274839		5.04	0.028	0.2	1.01	39	<10	220	1.0	<2	0.42	<0.5	8	8	19	3.43
K274840		3.09	<0.005	<0.2	0.05	<2	<10	10	<0.5	<2	19.2	<0.5	1	<1	1	0.41
K274841		5.25	0.007	<0.2	0.83	29	<10	230	0.8	<2	0.35	<0.5	5	5	13	2.69
K274842		9.57	0.013	0.2	0.93	27	<10	400	1.0	<2	0.56	<0.5	7	8	19	3.10
K274843		6.64	0.013	<0.2	0.96	34	<10	300	0.8	<2	0.52	<0.5	8	9	19	3.25
K274844		8.94	0.032	0.2	1.16	41	<10	380	0.8	<2	0.53	<0.5	7	10	18	3.11
K274845		2.67	0.014	<0.2	1.63	90	<10	180	1.0	<2	0.59	<0.5	10	7	20	4.54
K274846		5.93	0.027	<0.2	1.04	54	<10	130	0.6	<2	0.55	<0.5	8	8	18	3.09

ALS Canada Ltd.

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

Finalized Date: 21- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128102

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
K274812		<10	<1	0.24	10	0.05	949	2	<0.01	6	690	20	<0.01	5	3	20
K274813		<10	<1	0.21	10	0.05	640	1	<0.01	5	450	15	<0.01	4	3	25
K274814		<10	<1	0.25	10	0.04	693	1	<0.01	4	440	13	<0.01	4	3	31
K274815		<10	<1	0.26	10	0.10	1005	1	0.01	4	990	7	0.02	3	6	43
K274816		<10	<1	0.01	<10	12.30	217	<1	<0.01	<1	180	2	<0.01	<2	<1	48
K274817		10	<1	0.15	10	0.55	892	1	0.07	2	1480	4	0.05	<2	8	48
K274818		<10	<1	0.21	10	0.26	884	1	0.01	2	1220	7	0.04	2	7	67
K274819		<10	1	0.14	<10	0.45	1180	7	0.05	25	510	9420	6.84	94	3	80
K274820		<10	1	0.18	10	0.14	825	3	0.03	6	1290	12	0.04	8	10	26
K274821		<10	<1	0.19	10	0.17	752	1	0.03	6	1000	10	0.03	6	7	24
K274822		<10	<1	0.25	10	0.23	597	1	0.05	4	930	11	0.02	4	6	32
K274823		<10	1	0.17	10	0.27	749	2	0.04	3	1340	15	0.04	6	9	25
K274824		<10	<1	0.16	10	0.53	651	<1	0.11	4	970	5	0.04	2	7	28
K274825		<10	<1	0.15	10	0.38	637	1	0.09	3	1030	6	0.03	5	6	26
K274826		<10	1	0.14	10	0.34	700	1	0.06	3	1010	6	0.03	4	7	24
K274827		10	<1	0.17	20	0.60	756	<1	0.07	3	1350	6	0.29	3	7	54
K274828		<10	1	0.15	<10	0.44	1165	7	0.06	25	480	9120	6.65	97	3	78
K274829		<10	<1	0.15	10	0.31	656	1	0.08	3	1220	11	0.03	2	7	27
K274830		<10	1	0.14	10	0.35	793	1	0.08	1	1520	4	0.06	<2	7	32
K274831		<10	<1	0.02	<10	11.70	181	<1	0.01	<1	180	2	0.06	<2	<1	49
K274832		10	<1	0.14	10	0.61	824	<1	0.08	3	1500	3	0.10	3	9	31
K274833		<10	1	0.15	10	0.34	766	<1	0.06	2	1330	5	0.06	2	8	27
K274834		<10	1	0.12	10	0.27	500	1	0.09	2	910	5	0.02	<2	4	23
K274835		<10	<1	0.14	10	0.14	617	1	0.05	3	810	7	0.02	2	5	19
K274836		<10	<1	0.15	10	0.31	490	1	0.06	9	670	7	0.01	<2	4	28
K274837		<10	1	0.15	<10	0.44	1170	7	0.06	24	480	9140	6.69	98	3	78
K274838		<10	<1	0.14	10	0.12	512	2	0.03	4	660	15	0.04	3	5	19
K274839		<10	1	0.17	10	0.12	737	2	0.02	5	1040	11	0.02	7	7	18
K274840		<10	1	0.02	<10	11.60	176	<1	0.01	<1	210	<2	0.05	<2	<1	49
K274841		<10	<1	0.19	10	0.08	716	2	0.02	4	750	10	0.02	4	5	15
K274842		<10	<1	0.19	10	0.17	867	1	0.02	6	860	12	0.03	7	7	22
K274843		<10	1	0.15	10	0.17	824	2	0.03	6	1090	12	0.04	5	8	23
K274844		<10	<1	0.21	10	0.19	713	2	0.04	7	990	9	0.03	4	8	26
K274845		<10	1	0.21	10	0.14	1060	1	0.04	4	1650	8	0.02	4	9	27
K274846		<10	1	0.16	10	0.25	732	2	0.09	3	970	8	0.01	3	5	28

ALS Canada Ltd.

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

Finalized Date: 21- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128102

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Ag- OG46 Ag ppm 1	Zn- OG46 Zn % 0.001
K274812		<20	<0.01	<10	<10	23	<10	40		
K274813		<20	<0.01	<10	<10	22	<10	32		
K274814		<20	<0.01	<10	<10	18	<10	33		
K274815		<20	<0.01	<10	<10	43	<10	56		
K274816		<20	<0.01	<10	<10	1	<10	17		
K274817		<20	0.03	<10	<10	72	<10	67		
K274818		<20	<0.01	<10	<10	50	<10	65		
K274819		<20	0.05	<10	<10	34	10	>10000	352	1.325
K274820		<20	0.01	<10	<10	64	10	66		
K274821		<20	0.01	<10	<10	55	<10	55		
K274822		<20	0.01	<10	<10	50	<10	50		
K274823		<20	0.02	<10	<10	62	<10	65		
K274824		<20	0.06	<10	<10	66	<10	51		
K274825		<20	0.04	<10	<10	59	<10	45		
K274826		<20	0.02	<10	<10	60	<10	49		
K274827		<20	0.04	<10	<10	71	<10	64		
K274828		<20	0.05	<10	<10	34	20	>10000	358	1.315
K274829		<20	0.04	<10	<10	61	<10	66		
K274830		<20	0.04	<10	<10	60	<10	56		
K274831		<20	<0.01	<10	<10	2	<10	15		
K274832		<20	0.05	<10	<10	81	<10	65		
K274833		<20	0.02	<10	<10	63	<10	66		
K274834		<20	0.05	<10	<10	45	<10	36		
K274835		<20	0.01	<10	<10	42	<10	41		
K274836		<20	0.06	<10	<10	47	<10	41		
K274837		<20	0.05	<10	<10	34	10	>10000	344	1.335
K274838		<20	0.01	<10	<10	33	<10	57		
K274839		<20	0.01	<10	<10	50	<10	59		
K274840		<20	<0.01	<10	<10	2	<10	15		
K274841		<20	<0.01	<10	<10	29	<10	48		
K274842		<20	0.01	<10	<10	39	<10	60		
K274843		<20	0.01	<10	<10	58	<10	59		
K274844		<20	0.01	<10	<10	53	<10	55		
K274845		<20	0.01	<10	<10	80	<10	84		
K274846		<20	0.03	<10	<10	59	<10	50		

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- JUL- 2011
Account: F

CERTIFICATE WH11128103

Project: Wolverine - DADE

P.O. No.: BATCH 3

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
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ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128103

Sample Description	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
K274772	2.84	<0.005	<0.2	1.31	7	<10	220	0.5	<2	0.80	<0.5	6	11	21	3.10
K274773	4.38	<0.005	<0.2	1.20	4	<10	150	0.5	<2	0.67	<0.5	8	7	6	3.33
K274774	3.40	<0.005	<0.2	1.07	24	<10	390	1.0	<2	0.47	<0.5	11	8	10	4.02
K274775	3.87	<0.005	<0.2	1.08	4	<10	100	<0.5	<2	0.93	<0.5	7	12	3	2.85
K274776	6.03	<0.005	<0.2	0.92	5	<10	90	<0.5	<2	0.75	<0.5	4	7	5	2.09
K274777	4.29	<0.005	<0.2	0.81	5	<10	80	<0.5	<2	0.66	<0.5	4	7	6	1.89
K274778	0.16	0.246	>100	1.08	4810	<10	30	<0.5	<2	1.46	139.5	10	27	535	7.44
K274779	5.37	<0.005	<0.2	0.58	<2	<10	120	<0.5	<2	0.46	<0.5	4	9	5	1.46
K274780	3.92	<0.005	<0.2	0.98	2	<10	100	<0.5	2	0.88	<0.5	6	9	6	2.35
K274781	2.47	<0.005	<0.2	0.19	7	<10	20	<0.5	<2	20.0	<0.5	<1	1	<1	0.45
K274782	5.10	<0.005	<0.2	0.84	5	<10	90	<0.5	2	0.68	<0.5	4	7	3	1.96
K274783	9.76	<0.005	<0.2	1.03	3	<10	120	0.5	<2	0.91	<0.5	5	8	4	2.67
K274784	9.84	<0.005	<0.2	0.90	3	<10	110	<0.5	<2	0.81	<0.5	5	6	3	2.25
K274785	3.86	<0.005	<0.2	1.37	5	<10	150	0.5	<2	1.01	<0.5	7	6	9	3.24
K274786	6.43	0.017	<0.2	1.17	32	<10	140	0.5	2	0.52	<0.5	9	9	9	3.22
K274787	2.59	0.172	<0.2	1.03	65	<10	160	0.6	6	0.53	<0.5	8	10	16	3.39
K274788	2.79	0.081	<0.2	0.93	55	<10	150	0.5	3	0.55	<0.5	8	8	12	2.96
K274789	7.01	0.020	<0.2	1.40	25	<10	200	0.6	<2	0.67	<0.5	10	19	13	3.26
K274790	0.16	0.240	>100	1.07	4660	<10	50	<0.5	<2	1.48	140.0	11	26	521	7.82
K274791	6.99	0.023	<0.2	1.07	51	<10	200	0.5	<2	0.59	<0.5	9	13	16	2.99
K274792	9.77	0.242	<0.2	0.95	131	<10	220	0.5	6	0.60	<0.5	10	12	17	3.27
K274793	5.35	<0.005	<0.2	1.21	8	<10	140	<0.5	2	0.65	<0.5	9	16	7	2.86
K274794	5.71	<0.005	<0.2	0.92	14	<10	130	<0.5	<2	0.78	<0.5	5	11	9	2.25
K274795	2.85	<0.005	<0.2	0.05	3	<10	10	<0.5	<2	20.1	<0.5	<1	1	<1	0.44
K274796	5.56	0.019	<0.2	1.29	126	<10	190	0.8	2	0.84	<0.5	13	24	32	4.23
K274801	5.62	<0.005	<0.2	1.11	19	<10	100	0.6	2	1.03	<0.5	8	7	28	3.07
K274802	4.67	0.005	<0.2	1.23	18	<10	180	0.7	<2	0.99	<0.5	8	9	25	3.54
K274803	3.48	0.005	<0.2	1.24	23	<10	130	0.6	<2	0.54	<0.5	7	8	15	3.39
K274804	5.44	<0.005	<0.2	1.09	18	<10	90	<0.5	<2	0.78	<0.5	7	6	15	2.83
K274805	0.17	0.233	>100	1.05	4580	<10	50	<0.5	<2	1.43	135.0	12	25	514	7.59
K274806	7.95	0.005	<0.2	1.00	21	<10	120	0.5	<2	0.84	<0.5	6	6	11	2.82
K274807	4.11	0.010	<0.2	0.91	24	<10	130	<0.5	2	0.48	<0.5	8	5	17	2.99
K274808	2.60	<0.005	<0.2	0.08	<2	<10	20	<0.5	3	20.0	<0.5	<1	1	<1	0.45
K274809	11.75	0.005	<0.2	1.13	23	<10	170	0.5	2	0.89	<0.5	7	6	17	3.25
K274810	7.25	0.005	<0.2	0.97	38	<10	160	0.6	<2	0.68	<0.5	6	5	13	3.07
K274811	6.50	0.006	<0.2	0.99	40	<10	160	0.7	2	0.59	<0.5	7	5	11	3.15

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128103

Sample Description	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K274772	10	<1	0.16	10	0.64	825	<1	0.11	4	1140	4	0.10	<2	7	41
K274773	10	<1	0.14	10	0.61	954	<1	0.07	4	1360	3	0.02	<2	7	32
K274774	<10	<1	0.26	10	0.20	1265	1	0.04	7	1390	10	0.03	<2	6	22
K274775	<10	<1	0.17	10	0.56	801	<1	0.11	6	1360	3	0.01	<2	6	29
K274776	<10	<1	0.15	10	0.45	508	<1	0.13	1	1010	4	0.01	<2	4	29
K274777	<10	<1	0.12	10	0.36	412	<1	0.11	2	910	4	0.02	<2	4	25
K274778	<10	1	0.15	<10	0.47	1220	7	0.06	24	520	9410	7.16	99	3	81
K274779	<10	<1	0.15	10	0.19	324	<1	0.10	2	490	2	0.04	<2	3	23
K274780	10	<1	0.12	10	0.51	471	<1	0.12	2	1290	<2	0.02	<2	5	31
K274781	<10	1	0.16	<10	13.05	189	<1	0.01	3	220	<2	<0.01	<2	<1	49
K274782	<10	1	0.10	10	0.43	400	<1	0.09	1	890	<2	0.01	<2	4	26
K274783	<10	1	0.15	10	0.52	595	<1	0.14	1	1180	2	0.02	<2	5	34
K274784	10	1	0.13	10	0.47	566	<1	0.12	2	1090	2	0.01	<2	5	29
K274785	10	<1	0.12	10	0.68	773	<1	0.14	1	1470	<2	0.07	<2	7	41
K274786	10	1	0.13	10	0.43	808	<1	0.07	4	1020	3	0.01	<2	5	25
K274787	10	<1	0.15	10	0.36	874	1	0.07	6	1080	3	0.01	4	6	29
K274788	<10	<1	0.12	10	0.36	704	<1	0.06	5	1100	2	0.01	3	5	24
K274789	10	1	0.15	10	0.56	707	<1	0.08	10	970	2	0.01	<2	7	32
K274790	10	1	0.15	<10	0.46	1225	6	0.06	23	520	9850	6.76	101	3	82
K274791	<10	1	0.13	10	0.42	691	<1	0.07	6	1040	5	0.01	3	6	29
K274792	<10	<1	0.14	10	0.37	793	1	0.06	8	1130	7	0.02	5	6	32
K274793	10	1	0.15	10	0.54	676	<1	0.09	7	980	<2	0.01	<2	5	30
K274794	<10	<1	0.12	10	0.47	483	<1	0.10	4	1050	<2	0.03	<2	4	31
K274795	<10	1	0.02	<10	12.90	190	<1	0.01	4	220	<2	<0.01	<2	<1	52
K274796	10	<1	0.18	20	0.52	907	1	0.06	15	1460	11	0.02	5	10	42
K274801	<10	1	0.13	10	0.62	638	<1	0.13	2	1360	2	0.13	<2	7	39
K274802	10	<1	0.12	20	0.69	735	<1	0.12	2	1410	3	0.10	<2	8	38
K274803	10	1	0.11	10	0.54	700	2	0.09	1	950	4	0.06	<2	7	28
K274804	<10	1	0.12	10	0.43	673	<1	0.12	1	1140	<2	0.02	<2	6	29
K274805	<10	1	0.14	<10	0.44	1190	5	0.06	23	510	9470	6.63	99	3	80
K274806	10	<1	0.13	10	0.41	740	2	0.13	<1	1220	8	0.03	3	6	29
K274807	<10	1	0.11	<10	0.25	662	<1	0.08	<1	1130	2	0.01	<2	5	23
K274808	<10	2	0.03	<10	12.85	203	<1	0.01	3	230	<2	0.01	<2	<1	45
K274809	<10	<1	0.15	10	0.54	674	<1	0.12	<1	1320	<2	0.04	<2	6	33
K274810	<10	1	0.12	10	0.25	663	<1	0.07	1	1180	2	0.01	3	7	25
K274811	<10	1	0.12	10	0.22	720	<1	0.07	<1	1220	3	<0.01	3	7	25

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

Finalized Date: 18- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11128103

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Ag- OG46 Ag ppm 1	Zn- OG46 Zn % 0.001
K274772		<20	0.04	<10	<10	66	<10	62		
K274773		<20	0.04	<10	<10	73	<10	71		
K274774		<20	0.02	<10	<10	54	<10	78		
K274775		<20	0.08	<10	<10	63	<10	56		
K274776		<20	0.09	<10	<10	48	<10	36		
K274777		<20	0.07	<10	<10	40	<10	31		
K274778		<20	0.06	<10	<10	36	20	>10000	336	1.285
K274779		<20	0.05	<10	<10	26	<10	24		
K274780		<20	0.09	<10	<10	51	<10	39		
K274781		<20	<0.01	<10	<10	2	<10	15		
K274782		<20	0.07	<10	<10	41	<10	32		
K274783		<20	0.10	<10	<10	59	<10	40		
K274784		<20	0.09	<10	<10	48	<10	38		
K274785		<20	0.08	<10	<10	69	<10	53		
K274786		<20	0.05	<10	<10	60	<10	49		
K274787		<20	0.04	<10	<10	63	<10	54		
K274788		<20	0.04	<10	<10	58	<10	43		
K274789		<20	0.08	<10	<10	67	<10	53		
K274790		<20	0.05	<10	<10	34	30	>10000	335	1.290
K274791		<20	0.06	<10	<10	59	<10	53		
K274792		<20	0.05	<10	<10	61	<10	52		
K274793		<20	0.08	<10	<10	58	<10	48		
K274794		<20	0.09	<10	<10	49	<10	37		
K274795		<20	<0.01	<10	<10	<1	<10	15		
K274796		<20	0.06	<10	<10	89	<10	68		
K274801		<20	0.10	<10	<10	67	10	45		
K274802		<20	0.10	<10	<10	76	10	51		
K274803		<20	0.03	<10	<10	65	<10	53		
K274804		<20	0.08	<10	<10	62	<10	45		
K274805		<20	0.05	<10	<10	33	30	>10000	342	1.265
K274806		<20	0.09	<10	<10	62	<10	53		
K274807		<20	0.03	<10	<10	51	<10	54		
K274808		<20	<0.01	<10	<10	1	<10	14		
K274809		<20	0.08	<10	<10	65	<10	50		
K274810		<20	0.03	<10	<10	52	<10	44		
K274811		<20	0.02	<10	<10	53	<10	45		

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

Finalized Date: 19- JUL- 2011
Account: F

CERTIFICATE WH11128710

Project: Wolverine- DADE

P.O. No.: Batch 2

This report is for 36 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
SCR- 21	Screen to - 100 um
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 19- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11128710

Sample Description	Method / Analyte / Units / LOR	Au- SCR24 Au Total ppm 0.05	Au- SCR24 Au (+) F ppm 0.05	Au- SCR24 Au (-) F ppm 0.05	Au- SCR24 Au (+) m mg 0.001	Au- SCR24 WT. + Fr g 0.01	Au- SCR24 WT. - Fr g 0.1	Au- AA26 Au ppm 0.01	Au- AA26D Au ppm 0.01
K274737		0.38	0.90	0.36	0.043	47.88	1052.5	0.36	0.35
K274738		10.05	5.55	10.35	0.362	65.17	976.3	10.50	10.15
K274739		2.23	2.10	2.24	0.137	65.30	1001.0	2.08	2.40
K274740		1.42	1.01	1.46	0.073	72.09	982.7	1.47	1.44
K274741		<0.05	<0.05	<0.05	<0.001	60.65	1021.0	0.01	0.01
K274742		0.05	0.09	0.05	0.006	69.38	1081.0	0.05	0.05
K274743		<0.05	<0.05	<0.05	0.002	69.99	1003.0	0.03	0.03
K274744		<0.05	<0.05	<0.05	<0.001	48.63	1056.5	0.03	0.02
K274745		<0.05	<0.05	<0.05	<0.001	63.48	1038.0	0.01	0.01
K274746		0.22	0.42	0.21	0.027	64.31	1038.0	0.21	0.21
K274747		<0.05	<0.05	<0.05	<0.001	60.59	1094.0	<0.01	<0.01
K274748		<0.05	<0.05	<0.05	<0.001	68.45	1041.5	<0.01	<0.01
K274749		<0.05	<0.05	<0.05	<0.001	56.16	1143.0	<0.01	<0.01
K274751		<0.05	0.14	<0.05	0.004	27.60	1023.0	0.01	0.01
K274752		<0.05	0.08	<0.05	0.003	39.57	1079.0	0.02	0.02
K274753		0.06	<0.05	0.06	<0.001	25.22	1020.0	0.06	0.06
K274754		0.56	5.86	0.43	0.148	25.27	1047.5	0.49	0.37
K274755		0.14	0.11	0.15	0.002	18.16	1265.0	0.14	0.15
K274756		0.07	0.05	0.07	0.001	20.56	1200.0	0.10	0.04
K274757		0.06	0.10	0.06	0.003	29.48	1032.5	0.07	0.05
K274758		0.14	0.15	0.14	0.005	34.26	1064.5	0.12	0.15
K274759		<0.05	<0.05	<0.05	<0.001	38.53	1323.0	0.01	<0.01
K274760		0.20	0.35	0.20	0.008	22.66	1166.5	0.20	0.20
K274761		0.35	0.45	0.35	0.007	15.65	1024.5	0.35	0.34
K274762		0.25	2.58	0.21	0.055	21.34	1415.0	0.18	0.24
K274763		0.18	<0.05	0.19	<0.001	6.35	998.0	0.21	0.16
K274764		0.28	0.47	0.28	0.006	12.66	1115.5	0.30	0.26
K274765		1.09	17.95	0.94	0.180	10.03	1076.5	0.97	0.90
K274766		1.50	13.70	1.39	0.145	10.58	1180.0	1.44	1.34
K274767		<0.05	0.07	<0.05	0.001	14.97	1293.5	0.01	0.01
K274768		<0.05	0.38	<0.05	0.004	10.60	1224.5	<0.01	0.01
K274769		0.21	1.50	0.20	0.014	9.31	1392.0	0.20	0.20
K274770		<0.05	<0.05	<0.05	<0.001	11.66	1085.0	<0.01	<0.01

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

Finalized Date: 5- AUG- 2011
Account: F

CERTIFICATE WH11142020

Project: Dade TR- A

P.O. No.:

This report is for 28 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 5- AUG- 2011
Account: F

Project: Dade TR- A

CERTIFICATE OF ANALYSIS WH11142020

Sample Description	WEI- 21 Recvd Wt.	Au- AA24 Au	ME- ICP41 Ag	ME- ICP41 Al	ME- ICP41 As	ME- ICP41 B	ME- ICP41 Ba	ME- ICP41 Be	ME- ICP41 Bi	ME- ICP41 Ca	ME- ICP41 Cd	ME- ICP41 Co	ME- ICP41 Cr	ME- ICP41 Cu	ME- ICP41 Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K275262	4.59	<0.005	0.4	0.70	25	<10	280	0.6	<2	1.98	<0.5	7	3	8	3.55
K275263	3.45	<0.005	<0.2	0.97	35	<10	410	0.7	<2	2.29	<0.5	8	4	14	3.86
K275264	3.93	0.007	<0.2	0.68	48	<10	330	1.1	<2	2.81	<0.5	8	8	6	3.17
K275265	4.43	0.006	<0.2	0.80	199	<10	300	1.2	<2	1.90	<0.5	9	29	11	3.60
K275266	4.58	<0.005	<0.2	1.23	118	<10	340	1.2	2	1.62	<0.5	10	3	9	4.92
K275267	3.37	<0.005	<0.2	0.99	46	<10	390	1.0	<2	3.37	<0.5	8	4	5	3.94
K275268	5.15	<0.005	<0.2	1.02	26	<10	250	0.8	<2	3.90	<0.5	6	3	3	3.72
K275269	4.81	0.008	<0.2	1.00	129	<10	800	0.9	<2	3.28	<0.5	10	3	7	4.17
K275270	3.67	<0.005	0.2	1.17	166	<10	440	1.2	2	2.25	<0.5	16	5	16	4.67
K275271	3.37	0.008	0.3	0.83	245	<10	710	0.9	<2	1.72	<0.5	10	6	21	3.84
K275272	3.83	0.015	0.4	0.68	288	<10	430	1.2	<2	0.17	<0.5	10	3	15	1.40
K275273	3.38	0.095	1.4	0.09	556	<10	280	<0.5	4	0.04	<0.5	5	14	40	2.16
K275274	2.77	<0.005	<0.2	0.05	4	<10	30	<0.5	<2	20.4	<0.5	<1	1	1	0.39
K275275	3.60	0.126	2.0	0.05	490	<10	50	<0.5	6	0.06	<0.5	5	15	38	1.91
K275276	5.77	1.235	27.3	0.63	2000	<10	410	0.6	136	0.27	1.1	54	6	100	6.67
K275277	5.65	0.684	0.6	0.79	111	<10	430	1.1	6	0.65	<0.5	9	4	24	3.64
K275278	2.58	0.005	0.2	0.05	7	<10	10	<0.5	<2	20.7	<0.5	1	1	1	0.44
K275279	4.57	0.013	0.2	0.83	58	<10	1290	1.2	2	3.91	<0.5	8	5	14	4.50
K275280	5.52	0.022	0.3	0.86	86	<10	560	0.9	2	2.42	<0.5	7	2	35	4.11
K275281	3.76	0.005	<0.2	1.10	158	<10	420	1.2	<2	3.05	<0.5	9	2	11	4.25
K275282	5.80	<0.005	<0.2	1.06	52	<10	470	0.9	<2	2.22	<0.5	7	5	12	3.38
K275283	0.18	3.32	>100	0.19	>10000	<10	10	<0.5	2	0.43	331	2	9	1570	14.1
K275284	5.96	0.009	0.2	0.92	55	<10	660	0.9	<2	2.91	<0.5	7	1	14	3.58
K275285	4.79	<0.005	<0.2	0.83	34	<10	3020	0.7	<2	3.09	<0.5	5	3	6	2.66
K275286	5.47	0.005	<0.2	0.82	34	<10	780	0.7	<2	3.13	<0.5	7	3	5	3.36
K275287	5.49	0.007	<0.2	0.83	36	<10	1680	0.9	<2	1.32	<0.5	6	4	3	2.41
K275288	4.09	<0.005	<0.2	0.65	21	<10	1270	0.6	<2	1.20	<0.5	4	6	1	1.82
K275289	4.91	0.005	<0.2	1.01	28	<10	620	1.0	<2	1.32	<0.5	11	8	6	4.10

ALS Canada Ltd.

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

Finalized Date: 5- AUG- 2011
Account: F

Project: Dade TR- A

CERTIFICATE OF ANALYSIS WH11142020

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
K275262		<10	<1	0.17	10	0.39	993	1	0.07	1	1150	91	0.06	<2	7	55
K275263		<10	<1	0.24	10	0.24	971	1	0.08	2	1660	8	0.21	2	8	77
K275264		<10	<1	0.28	<10	0.11	871	1	0.01	6	880	16	0.03	3	6	34
K275265		<10	<1	0.24	10	0.09	1010	1	0.02	18	1040	12	0.03	5	10	27
K275266		<10	<1	0.24	10	0.11	1250	1	0.03	2	1670	9	0.02	4	10	40
K275267		<10	<1	0.21	10	0.14	1110	<1	0.04	2	1330	10	0.02	2	8	59
K275268		<10	1	0.21	10	0.19	937	<1	0.06	<1	1360	7	0.03	2	8	80
K275269		<10	1	0.21	10	0.28	1345	3	0.04	1	1270	10	0.11	3	8	67
K275270		<10	1	0.29	10	0.16	1725	4	0.02	6	1680	10	0.23	5	11	42
K275271		<10	<1	0.22	10	0.06	1385	4	0.02	7	740	17	0.22	9	6	35
K275272		<10	<1	0.29	<10	0.03	599	11	0.01	2	270	21	0.07	4	2	31
K275273		<10	<1	0.02	<10	0.01	99	32	0.01	1	50	28	0.03	15	<1	8
K275274		<10	<1	0.03	<10	12.40	175	<1	0.02	<1	310	<2	0.01	<2	<1	58
K275275		<10	<1	0.01	<10	0.02	81	35	0.01	1	30	25	0.02	19	<1	3
K275276		<10	<1	0.22	10	0.07	625	49	0.02	1	530	185	0.09	71	2	23
K275277		<10	<1	0.34	10	0.06	748	6	0.02	3	1260	15	0.03	9	6	19
K275278		<10	<1	0.02	<10	12.65	195	<1	0.02	<1	300	<2	0.01	<2	<1	59
K275279		<10	1	0.32	10	0.15	1475	3	0.02	3	1290	9	0.06	6	8	47
K275280		<10	<1	0.28	10	0.16	1115	7	0.02	1	1370	9	0.15	12	6	35
K275281		<10	<1	0.31	10	0.16	1130	<1	0.02	1	1720	9	0.03	4	11	41
K275282		<10	<1	0.24	10	0.20	857	1	0.04	2	1310	8	0.05	5	9	49
K275283		<10	1	0.08	<10	0.18	1510	<1	0.01	11	140	>10000	>10.0	575	1	19
K275284		<10	<1	0.28	10	0.14	928	2	0.03	1	1410	11	0.07	5	8	64
K275285		<10	<1	0.27	10	0.12	781	1	0.05	1	800	13	0.10	2	5	90
K275286		<10	1	0.32	10	0.10	888	<1	0.05	2	1300	9	0.04	<2	5	108
K275287		<10	<1	0.27	10	0.06	931	3	0.02	4	650	13	0.05	3	4	36
K275288		<10	<1	0.22	10	0.05	578	<1	0.02	4	340	8	0.04	<2	3	28
K275289		<10	<1	0.25	10	0.09	1090	1	0.03	7	930	10	0.09	2	8	34

ALS Canada Ltd.

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

Finalized Date: 5- AUG- 2011
Account: F

Project: Dade TR- A

CERTIFICATE OF ANALYSIS WH11142020

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Ag- OG46 Ag ppm 1	Pb- OG46 Pb % 0.001	Zn- OG46 Zn % 0.001
K275262		<20	0.01	<10	<10	53	<10	71			
K275263		<20	0.01	<10	<10	63	<10	58			
K275264		<20	<0.01	<10	<10	35	<10	73			
K275265		<20	<0.01	<10	<10	55	<10	61			
K275266		<20	<0.01	<10	<10	71	<10	83			
K275267		<20	<0.01	<10	<10	57	<10	65			
K275268		<20	0.01	<10	<10	47	<10	71			
K275269		<20	<0.01	<10	<10	54	<10	73			
K275270		<20	<0.01	<10	<10	78	<10	90			
K275271		<20	<0.01	<10	<10	44	<10	63			
K275272		<20	<0.01	<10	<10	8	<10	35			
K275273		<20	<0.01	<10	<10	6	<10	15			
K275274		<20	<0.01	<10	<10	1	<10	13			
K275275		<20	<0.01	<10	<10	5	<10	13			
K275276		<20	<0.01	<10	<10	33	<10	52			
K275277		<20	<0.01	<10	<10	35	<10	60			
K275278		<20	<0.01	<10	<10	1	<10	14			
K275279		<20	<0.01	<10	<10	56	<10	78			
K275280		<20	<0.01	<10	<10	50	<10	65			
K275281		<20	<0.01	<10	<10	72	<10	79			
K275282		<20	0.01	<10	<10	57	<10	62			
K275283		<20	<0.01	<10	<10	8	140	>10000	425	3.15	3.58
K275284		<20	<0.01	<10	<10	50	<10	59			
K275285		<20	<0.01	<10	<10	34	<10	44			
K275286		<20	<0.01	<10	<10	42	<10	61			
K275287		<20	<0.01	<10	<10	26	<10	48			
K275288		<20	<0.01	<10	<10	20	<10	41			
K275289		<20	<0.01	<10	<10	63	<10	81			

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

Finalized Date: 3- AUG- 2011
Account: F

CERTIFICATE WH11142021

Project: Dade TR- B

P.O. No.:

This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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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.

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VANCOUVER BC V6B 1L8

Finalized Date: 3- AUG- 2011
Account: F

Project: Dade TR- B

CERTIFICATE OF ANALYSIS WH11142021

Sample Description	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Method / Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K275229	6.40	<0.005	<0.2	0.89	10	<10	390	0.6	<2	1.21	<0.5	5	3	5	2.71
K275230	6.49	<0.005	<0.2	1.09	23	<10	810	0.8	<2	1.33	<0.5	7	3	5	3.47
K275231	5.30	<0.005	<0.2	0.89	4	<10	670	<0.5	<2	1.49	<0.5	6	3	3	2.87
K275232	4.92	<0.005	<0.2	0.83	18	<10	550	0.9	<2	2.28	<0.5	9	5	3	4.05
K275233	4.26	<0.005	0.2	0.84	18	<10	450	1.0	<2	1.65	<0.5	8	12	5	3.63
K275234	4.38	<0.005	<0.2	0.87	37	<10	380	1.0	<2	1.45	<0.5	10	3	7	4.03
K275235	6.67	0.005	<0.2	0.93	41	<10	690	1.2	<2	3.17	<0.5	10	3	8	4.86
K275236	4.48	<0.005	<0.2	0.81	23	<10	370	1.2	<2	2.69	<0.5	8	1	6	3.54
K275237	3.19	<0.005	0.2	0.61	31	<10	340	0.6	<2	3.04	<0.5	6	1	7	2.83
K275238	3.19	<0.005	0.2	0.69	27	<10	290	0.7	<2	3.23	<0.5	7	2	6	3.18
K275239	4.80	<0.005	<0.2	0.87	26	<10	340	0.9	<2	2.75	<0.5	9	2	8	4.14
K275240	4.08	<0.005	0.2	1.01	81	<10	540	0.9	<2	2.21	<0.5	9	3	18	4.26
K275241	2.66	<0.005	<0.2	0.05	3	<10	10	<0.5	<2	20.0	<0.5	1	1	1	0.41
K275242	3.49	<0.005	<0.2	1.15	38	<10	540	1.0	<2	1.92	<0.5	12	5	7	5.47
K275243	4.35	<0.005	<0.2	0.82	54	<10	280	0.7	<2	1.58	<0.5	7	3	11	3.49
K275244	3.98	<0.005	<0.2	0.63	58	<10	200	0.5	<2	0.53	<0.5	4	5	5	2.34
K275245	3.65	<0.005	<0.2	0.74	93	<10	280	0.8	<2	1.41	<0.5	7	3	6	3.07
K275246	4.55	<0.005	<0.2	0.73	23	<10	220	0.8	<2	1.67	<0.5	7	3	8	3.12
K275247	4.50	<0.005	0.2	1.05	66	<10	180	1.1	<2	4.78	<0.5	11	8	19	4.82
K275248	4.10	<0.005	<0.2	0.90	41	<10	400	0.8	<2	2.03	<0.5	8	4	5	3.73
K275249	3.39	<0.005	<0.2	0.79	27	<10	690	0.5	<2	0.99	<0.5	7	10	7	2.89
K275250	3.40	<0.005	<0.2	1.16	7	<10	1370	0.5	<2	1.98	<0.5	10	25	8	3.21
K275251	4.60	<0.005	0.2	1.05	11	<10	410	0.6	<2	2.80	<0.5	8	3	6	4.13
K275252	3.61	0.018	0.3	0.97	182	<10	960	1.0	<2	3.21	0.7	16	6	23	4.94
K275253	3.47	0.393	2.3	0.16	1040	<10	80	<0.5	26	0.08	0.7	15	11	64	2.53
K275254	0.17	3.32	>100	0.20	>10000	<10	10	<0.5	<2	0.43	334	1	9	1585	14.0
K275255	3.97	1.250	3.2	0.44	470	<10	680	0.6	34	0.46	0.5	18	5	31	2.42
K275256	4.58	0.436	3.3	0.60	220	<10	340	0.8	5	0.96	<0.5	7	3	11	2.26
K275257	3.78	0.130	0.2	0.80	151	<10	240	1.0	3	2.24	<0.5	8	4	16	3.34
K275258	2.29	<0.005	<0.2	0.06	4	<10	10	<0.5	<2	20.0	<0.5	1	<1	1	0.39
K275259	3.43	0.036	0.2	0.77	66	<10	270	0.7	<2	1.60	<0.5	7	3	11	3.36
K275260	3.12	0.035	<0.2	0.86	219	<10	280	0.6	<2	0.51	<0.5	8	7	14	2.90
K275261	4.06	0.290	2.2	0.16	1615	<10	90	<0.5	19	0.07	0.8	17	8	65	2.53

ALS Minerals

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Finalized Date: 3- AUG- 2011
Account: F

Project: Dade TR- B

CERTIFICATE OF ANALYSIS WH11142021

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
K275229		<10	<1	0.16	10	0.22	714	<1	0.08	2	1360	6	0.01	2	7	37
K275230		<10	<1	0.18	20	0.26	944	<1	0.08	1	1750	6	0.02	3	8	58
K275231		<10	<1	0.18	10	0.36	725	<1	0.13	1	1650	3	0.03	<2	6	73
K275232		<10	<1	0.21	10	0.18	1185	<1	0.06	2	1800	4	0.02	3	9	66
K275233		<10	<1	0.22	10	0.19	1270	1	0.01	4	1220	7	0.05	4	7	33
K275234		<10	<1	0.25	10	0.10	1315	2	0.03	2	1580	5	0.01	5	6	39
K275235		<10	<1	0.26	10	0.10	1225	<1	0.02	1	1730	9	0.02	7	10	49
K275236		<10	<1	0.34	10	0.10	1025	<1	0.01	1	1340	7	0.02	5	5	37
K275237		<10	<1	0.24	10	0.18	999	4	0.03	1	1120	7	0.19	3	4	106
K275238		<10	<1	0.28	10	0.19	962	5	0.03	1	1320	6	0.31	4	4	95
K275239		<10	<1	0.26	10	0.22	1210	<1	0.03	1	1680	6	0.06	6	7	69
K275240		<10	<1	0.20	10	0.14	1200	1	0.02	1	2160	7	0.31	7	9	46
K275241		<10	<1	0.02	<10	12.00	182	<1	0.02	<1	330	<2	0.01	<2	<1	59
K275242		<10	<1	0.22	20	0.37	1470	<1	0.06	3	2150	7	0.11	3	13	54
K275243		<10	<1	0.17	10	0.13	1005	1	0.04	2	1360	7	0.03	5	7	38
K275244		<10	<1	0.14	10	0.07	663	1	0.05	2	830	4	<0.01	2	5	24
K275245		<10	<1	0.18	10	0.17	1060	1	0.03	2	910	6	<0.01	3	4	35
K275246		<10	<1	0.17	10	0.06	850	1	0.02	2	1230	7	0.01	4	7	33
K275247		<10	<1	0.21	10	0.21	1200	1	0.02	4	1920	7	0.09	8	12	56
K275248		<10	<1	0.18	10	0.09	1155	1	0.02	3	1360	7	0.01	4	8	71
K275249		<10	<1	0.20	10	0.17	833	<1	0.07	9	850	3	0.05	2	6	49
K275250		<10	<1	0.19	10	0.66	787	<1	0.10	21	1190	6	0.08	<2	8	145
K275251		<10	<1	0.21	10	0.40	1150	<1	0.06	1	1680	5	0.31	2	8	77
K275252		<10	<1	0.23	10	0.42	1385	12	0.02	4	1160	11	0.29	8	9	70
K275253		<10	<1	0.05	<10	0.01	144	69	0.01	1	110	29	0.03	23	1	16
K275254		<10	1	0.07	<10	0.18	1515	<1	0.01	10	140	>10000	>10.0	576	1	23
K275255		<10	<1	0.17	10	0.03	970	6	0.01	2	710	47	0.04	16	5	24
K275256		<10	<1	0.25	10	0.09	909	4	0.01	5	880	19	0.03	5	4	21
K275257		<10	<1	0.19	10	0.25	949	2	0.02	3	1000	11	0.06	6	7	57
K275258		<10	<1	0.02	<10	12.15	188	<1	0.02	<1	230	2	0.01	<2	<1	54
K275259		<10	<1	0.15	10	0.20	887	<1	0.04	2	1100	5	0.08	3	6	49
K275260		<10	<1	0.14	10	0.25	974	11	0.05	6	850	7	0.01	6	6	26
K275261		<10	<1	0.05	<10	0.01	131	43	0.01	1	80	25	0.02	20	1	21

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

Finalized Date: 3- AUG- 2011
Account: F

Project: Dade TR- B

CERTIFICATE OF ANALYSIS WH11142021

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Ag- OG46 Ag ppm 1	Pb- OG46 Pb % 0.001	Zn- OG46 Zn % 0.001
K275229		<20	0.03	<10	<10	51	<10	55			
K275230		<20	0.03	<10	<10	60	<10	70			
K275231		<20	0.07	<10	<10	61	<10	53			
K275232		<20	0.01	<10	<10	72	<10	83			
K275233		<20	<0.01	<10	<10	48	<10	77			
K275234		<20	<0.01	<10	<10	54	<10	79			
K275235		<20	<0.01	<10	<10	63	<10	94			
K275236		<20	<0.01	<10	<10	29	<10	72			
K275237		<20	<0.01	<10	<10	28	<10	61			
K275238		<20	<0.01	<10	<10	29	<10	64			
K275239		<20	<0.01	<10	<10	50	<10	82			
K275240		<20	<0.01	<10	<10	71	<10	77			
K275241		<20	<0.01	<10	<10	2	<10	12			
K275242		<20	0.02	<10	<10	100	<10	110			
K275243		<20	<0.01	<10	<10	54	<10	67			
K275244		<20	0.01	<10	<10	37	<10	43			
K275245		<20	0.01	<10	<10	37	<10	60			
K275246		<20	<0.01	<10	<10	50	<10	58			
K275247		<20	<0.01	<10	<10	82	<10	88			
K275248		<20	<0.01	<10	<10	51	<10	79			
K275249		<20	0.01	<10	<10	47	<10	51			
K275250		<20	0.05	<10	<10	64	<10	66			
K275251		<20	0.01	<10	<10	74	<10	78			
K275252		<20	<0.01	<10	<10	77	<10	91			
K275253		<20	<0.01	<10	<10	12	<10	32			
K275254		<20	<0.01	<10	<10	7	150	>10000	416	3.11	3.52
K275255		<20	<0.01	<10	<10	29	<10	43			
K275256		<20	<0.01	<10	<10	20	<10	37			
K275257		<20	<0.01	<10	<10	54	<10	56			
K275258		<20	<0.01	<10	<10	2	<10	13			
K275259		<20	<0.01	<10	<10	61	<10	56			
K275260		<20	0.03	<10	<10	52	<10	44			
K275261		<20	<0.01	<10	<10	13	<10	38			

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

Finalized Date: 6- AUG- 2011
Account: F

CERTIFICATE WH11142022

Project: Dade TR- A

P.O. No.:

This report is for 28 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 03	Find Reject for Addn Analysis
SCR- 21	Screen to - 100 um
BAG- 01	Bulk Master for Storage
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 6- AUG- 2011
Account: F

Project: Dade TR- A

CERTIFICATE OF ANALYSIS WH11142022

Sample Description	Method / Analyte / Units / LOR	Au- SCR24 Au Total ppm 0.05	Au- SCR24 Au (+) F ppm 0.05	Au- SCR24 Au (-) F ppm 0.05	Au- SCR24 Au (+) m mg 0.001	Au- SCR24 WT. + Fr g 0.01	Au- SCR24 WT. - Fr g 0.1	Au- AA26 Au ppm 0.01	Au- AA26D Au ppm 0.01
K275262		<0.05	<0.05	<0.05	<0.001	42.88	920.6	<0.01	<0.01
K275263		<0.05	<0.05	<0.05	<0.001	42.81	876.6	<0.01	<0.01
K275264		<0.05	<0.05	<0.05	<0.001	26.22	972.1	0.01	0.01
K275265		<0.05	<0.05	<0.05	<0.001	42.92	1015.5	0.01	0.01
K275266		<0.05	<0.05	<0.05	<0.001	35.03	877.8	0.02	0.01
K275267		<0.05	<0.05	<0.05	<0.001	29.17	912.6	<0.01	<0.01
K275268		<0.05	<0.05	<0.05	<0.001	43.56	896.8	<0.01	<0.01
K275269		<0.05	0.11	<0.05	0.004	35.07	999.3	0.01	0.01
K275270		<0.05	0.07	<0.05	0.004	57.44	918.2	0.01	0.01
K275271		<0.05	<0.05	<0.05	<0.001	48.64	845.0	0.01	0.01
K275272		<0.05	<0.05	<0.05	<0.001	46.77	834.7	0.01	0.01
K275273		0.11	0.14	0.11	0.003	21.80	892.3	0.11	0.11
K275274		<0.05	<0.05	<0.05	<0.001	29.62	707.2	<0.01	<0.01
K275275		0.15	<0.05	0.15	<0.001	18.95	918.6	0.17	0.13
K275276		1.16	1.38	1.16	0.018	13.00	1008.5	1.23	1.09
K275277		0.54	0.97	0.53	0.032	33.06	1056.0	0.56	0.49
K275278		<0.05	<0.05	<0.05	<0.001	81.93	947.3	0.01	0.01
K275279		<0.05	<0.05	<0.05	<0.001	29.33	951.6	0.02	0.01
K275280		<0.05	<0.05	<0.05	<0.001	58.20	1041.0	0.02	0.02
K275281		<0.05	<0.05	<0.05	<0.001	36.90	897.6	0.01	<0.01
K275282		<0.05	<0.05	<0.05	<0.001	40.48	1020.0	<0.01	<0.01
K275284		<0.05	0.21	<0.05	0.005	23.62	934.0	0.01	0.01
K275285		<0.05	<0.05	<0.05	<0.001	56.96	923.0	<0.01	<0.01
K275286		<0.05	<0.05	<0.05	<0.001	18.52	1037.0	0.01	<0.01
K275287		<0.05	<0.05	<0.05	<0.001	58.35	916.6	0.01	0.01
K275288		<0.05	<0.05	<0.05	<0.001	9.01	885.6	<0.01	<0.01
K275289		<0.05	<0.05	<0.05	<0.001	63.68	869.5	0.01	<0.01

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

Finalized Date: 5- AUG- 2011
Account: F

CERTIFICATE WH11142023

Project: Dade TR- B

P.O. No.:

This report is for 33 Crushed Rock samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
SCR- 21	Screen to - 100 um
BAG- 01	Bulk Master for Storage
FND- 03	Find Reject for Addn Analysis
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR24	Au Screen FA Double Minus - 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 5- AUG- 2011
Account: F

Project: Dade TR- B

CERTIFICATE OF ANALYSIS WH11142023

Sample Description	Method / Analyte / Units / LOR	Au- SCR24 Au Total ppm 0.05	Au- SCR24 Au (+) F ppm 0.05	Au- SCR24 Au (-) F ppm 0.05	Au- SCR24 Au (+) m mg 0.001	Au- SCR24 WT. + Fr g 0.01	Au- SCR24 WT. - Fr g 0.1	Au- AA26 Au ppm 0.01	Au- AA26D Au ppm 0.01
K275229		<0.05	<0.05	<0.05	<0.001	60.05	720.5	0.01	0.01
K275230		<0.05	<0.05	<0.05	<0.001	53.63	567.2	<0.01	<0.01
K275231		<0.05	<0.05	<0.05	<0.001	53.18	941.8	<0.01	<0.01
K275232		<0.05	<0.05	<0.05	<0.001	52.69	851.1	<0.01	<0.01
K275233		<0.05	<0.05	<0.05	<0.001	27.23	840.1	<0.01	<0.01
K275234		<0.05	<0.05	<0.05	<0.001	14.09	786.4	<0.01	<0.01
K275235		<0.05	<0.05	<0.05	<0.001	38.17	628.0	0.01	<0.01
K275236		<0.05	<0.05	<0.05	<0.001	16.66	809.5	<0.01	<0.01
K275237		<0.05	<0.05	<0.05	<0.001	30.18	647.2	0.01	<0.01
K275238		<0.05	<0.05	<0.05	<0.001	7.44	719.8	<0.01	<0.01
K275239		<0.05	<0.05	<0.05	<0.001	18.54	725.0	<0.01	<0.01
K275240		<0.05	<0.05	<0.05	<0.001	24.98	920.9	<0.01	<0.01
K275241		<0.05	<0.05	<0.05	<0.001	66.82	990.8	<0.01	<0.01
K275242		<0.05	<0.05	<0.05	<0.001	5.80	829.9	<0.01	<0.01
K275243		<0.05	<0.05	<0.05	<0.001	25.57	936.9	<0.01	<0.01
K275244		<0.05	<0.05	<0.05	<0.001	32.92	838.4	<0.01	<0.01
K275245		<0.05	<0.05	<0.05	<0.001	32.00	673.5	<0.01	<0.01
K275246		<0.05	<0.05	<0.05	<0.001	29.22	850.0	0.01	<0.01
K275247		<0.05	0.08	<0.05	0.003	38.31	914.6	0.01	<0.01
K275248		<0.05	<0.05	<0.05	<0.001	4.77	775.7	<0.01	<0.01
K275249		<0.05	<0.05	<0.05	<0.001	21.92	744.9	<0.01	<0.01
K275250		<0.05	<0.05	<0.05	<0.001	40.02	744.1	<0.01	<0.01
K275251		<0.05	<0.05	<0.05	<0.001	50.15	951.7	<0.01	<0.01
K275252		<0.05	<0.05	<0.05	<0.001	29.24	751.3	0.02	0.02
K275253		0.32	0.28	0.33	0.002	7.05	780.1	0.32	0.33
K275255		1.30	1.32	1.30	0.026	19.69	654.9	1.31	1.28
K275256		0.51	0.53	0.51	0.028	52.47	649.4	0.51	0.50
K275257		0.11	0.12	0.11	0.005	41.45	870.0	0.11	0.11
K275258		<0.05	<0.05	<0.05	<0.001	45.52	770.3	0.01	<0.01
K275259		<0.05	<0.05	<0.05	<0.001	43.60	617.3	0.04	0.03
K275260		<0.05	<0.05	<0.05	<0.001	31.99	792.2	0.04	0.03
K275261		0.34	0.17	0.35	0.005	30.00	557.0	0.34	0.35

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

Finalized Date: 27- SEP- 2011
Account: F

CERTIFICATE WH11160258

Project: Wolverine- Dade

P.O. No.: Trench C

This report is for 40 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 22Y	Split Sample - Boyd Rotary Splitter
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70% <2mm
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% <75 um
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 27- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11160258

Sample Description	Method / Analyte / Units / LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837901		1.44	<0.005	<0.2	1.04	7	<10	240	0.5	<2	2.20	<0.5	6	5	9	2.86
L837902		1.99	<0.005	<0.2	1.29	29	<10	120	<0.5	2	1.41	<0.5	6	5	8	2.84
L837903		1.75	<0.005	<0.2	0.56	6	<10	100	<0.5	<2	1.74	<0.5	4	4	3	2.01
L837904		2.61	<0.005	<0.2	1.13	12	<10	200	<0.5	<2	1.18	<0.5	6	3	5	2.55
L837905		3.46	<0.005	<0.2	1.48	15	<10	230	0.6	<2	1.84	<0.5	9	6	7	3.94
L837906		3.60	<0.005	<0.2	1.13	2	<10	180	<0.5	<2	1.45	<0.5	6	3	10	2.68
L837907		0.84	<0.005	<0.2	0.95	7	<10	230	0.5	<2	1.60	<0.5	5	3	7	3.08
L837908		1.76	<0.005	<0.2	0.87	3	<10	350	0.5	<2	1.06	<0.5	6	6	4	2.77
L837909		2.23	<0.005	<0.2	0.82	11	<10	210	<0.5	<2	0.69	<0.5	5	11	4	2.12
L837910		2.44	<0.005	<0.2	0.98	4	<10	160	<0.5	<2	0.88	<0.5	6	5	5	2.47
L837911		3.94	<0.005	<0.2	1.05	11	<10	300	0.6	<2	1.60	<0.5	7	4	6	3.25
L837912		3.10	<0.005	<0.2	0.99	15	<10	220	0.6	3	0.71	<0.5	8	7	8	3.46
L837913		2.26	<0.005	<0.2	0.91	15	<10	180	<0.5	2	0.84	<0.5	6	4	5	2.71
L837914		0.22	0.227	1.7	1.45	26	<10	130	<0.5	4	1.80	0.8	16	60	1830	4.02
L837915		2.42	<0.005	<0.2	0.82	14	<10	340	0.5	2	0.86	<0.5	6	5	6	2.80
L837916		2.02	0.010	<0.2	1.14	18	<10	610	0.6	3	1.06	<0.5	9	11	12	3.30
L837917		1.25	<0.005	<0.2	0.84	112	<10	260	1.4	3	1.49	<0.5	11	11	26	3.88
L837918		0.74	0.009	0.3	0.52	84	<10	210	0.8	4	0.21	<0.5	5	9	12	2.00
L837919		1.50	<0.005	<0.2	0.67	41	<10	330	0.7	4	0.74	<0.5	6	14	12	1.82
L837920		0.70	<0.005	<0.2	0.68	<2	<10	250	<0.5	4	0.67	<0.5	4	4	3	1.73
L837921		1.36	<0.005	<0.2	0.85	34	<10	240	<0.5	<2	0.56	<0.5	5	10	11	1.65
L837922		1.34	0.411	1.6	0.48	119	<10	220	<0.5	7	0.33	<0.5	7	9	45	2.37
L837923		1.03	3.31	1.6	0.54	61	<10	190	<0.5	34	0.57	<0.5	5	14	18	2.00
L837924		3.63	0.684	0.5	0.50	42	<10	200	<0.5	10	0.47	<0.5	4	7	13	1.92
L837925		2.30	0.022	0.2	0.63	17	<10	250	<0.5	3	0.58	<0.5	5	11	10	1.89
L837926		1.78	0.039	<0.2	0.61	60	<10	300	0.5	4	0.82	<0.5	5	16	82	4.69
L837927		3.10	<0.005	<0.2	0.89	8	<10	260	<0.5	2	1.04	<0.5	7	46	10	2.33
L837928		2.96	0.538	0.9	0.10	205	<10	250	<0.5	6	0.19	<0.5	4	37	71	2.63
L837929		3.12	0.227	0.6	0.10	177	<10	280	<0.5	4	0.13	<0.5	4	35	62	2.40
L837930		1.99	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	19.3	<0.5	1	1	1	0.37
L837931		0.87	0.077	0.3	0.45	87	<10	120	<0.5	4	0.09	<0.5	4	8	83	1.98
L837932		1.07	0.136	0.3	0.38	204	<10	50	<0.5	4	0.43	<0.5	5	10	40	2.17
L837933		1.37	0.290	0.4	0.57	526	<10	100	<0.5	7	0.31	<0.5	12	37	158	5.12
L837934		1.52	0.069	0.2	1.11	68	<10	150	0.5	2	1.49	<0.5	8	18	60	3.32
L837935		1.81	0.083	<0.2	0.81	76	<10	250	0.5	3	2.05	<0.5	5	6	27	3.28
L837936		1.32	0.360	2.3	1.75	53	<10	260	0.5	18	1.04	<0.5	13	39	28	4.04
L837937		1.75	0.065	<0.2	1.34	53	<10	350	0.5	3	0.74	<0.5	6	18	21	3.11
L837938		3.13	0.008	<0.2	1.21	9	<10	230	0.5	3	1.15	<0.5	6	5	14	3.18
L837939		1.95	0.013	<0.2	0.94	37	<10	140	0.5	3	1.40	<0.5	7	8	12	3.60
L837940		1.63	0.047	0.8	0.61	96	<10	290	0.7	12	1.82	<0.5	10	5	40	3.47

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

Finalized Date: 27- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11160258

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837901		10	<1	0.15	10	0.66	841	1	0.10	2	1370	7	0.12	<2	7	63
L837902		10	<1	0.17	10	0.66	774	1	0.13	2	1620	4	0.06	<2	7	37
L837903		<10	<1	0.11	20	0.28	596	1	0.07	<1	680	4	0.03	<2	4	48
L837904		10	<1	0.19	10	0.48	642	1	0.17	1	1440	4	0.03	<2	6	43
L837905		10	<1	0.22	10	0.78	1095	1	0.14	4	1770	4	0.05	<2	8	53
L837906		10	<1	0.18	10	0.54	711	2	0.19	4	1810	4	0.04	<2	6	42
L837907		10	<1	0.15	10	0.58	890	2	0.10	2	1460	4	0.03	<2	6	45
L837908		10	1	0.19	10	0.34	824	<1	0.09	3	1060	3	0.07	<2	6	42
L837909		<10	<1	0.16	10	0.33	693	2	0.08	3	1060	3	0.02	<2	4	26
L837910		10	<1	0.14	10	0.46	653	2	0.12	1	1340	4	0.02	<2	5	32
L837911		10	1	0.15	10	0.60	1010	1	0.10	1	1470	5	0.03	<2	7	50
L837912		<10	1	0.14	10	0.38	1045	<1	0.08	4	1270	5	0.04	2	8	26
L837913		<10	1	0.16	10	0.38	807	<1	0.10	3	1430	3	0.03	<2	6	30
L837914		<10	1	0.47	20	0.81	349	146	0.07	15	690	20	1.84	5	6	73
L837915		<10	<1	0.17	10	0.31	878	1	0.06	3	1160	3	0.03	<2	5	34
L837916		<10	1	0.18	10	0.47	915	3	0.09	5	1340	4	0.05	2	9	34
L837917		<10	<1	0.26	10	0.08	1215	19	0.01	7	970	9	0.05	9	10	54
L837918		<10	<1	0.17	10	0.05	824	28	0.02	8	320	9	0.02	4	3	29
L837919		<10	<1	0.19	10	0.13	607	3	0.03	5	360	9	0.05	<2	6	34
L837920		<10	<1	0.16	10	0.28	528	<1	0.12	1	860	3	0.02	<2	3	27
L837921		<10	1	0.18	10	0.33	487	2	0.07	4	720	8	0.01	2	4	32
L837922		<10	<1	0.10	10	0.12	444	39	0.06	4	480	11	0.09	17	3	24
L837923		<10	<1	0.10	10	0.21	514	23	0.08	5	680	11	0.03	7	3	21
L837924		<10	1	0.12	10	0.17	492	7	0.07	2	610	5	0.04	2	3	22
L837925		<10	<1	0.14	10	0.27	520	1	0.10	3	770	6	0.04	<2	4	24
L837926		<10	<1	0.11	10	0.17	797	1	0.07	10	960	4	0.08	2	7	41
L837927		<10	<1	0.16	10	0.58	595	<1	0.12	10	1380	5	0.09	<2	6	35
L837928		<10	1	0.02	<10	0.04	283	95	0.01	40	80	21	0.04	37	1	8
L837929		<10	<1	0.02	<10	0.03	313	102	0.01	41	70	17	0.04	19	1	7
L837930		<10	1	0.01	<10	11.95	182	<1	0.02	1	230	<2	0.01	<2	<1	51
L837931		<10	<1	0.16	<10	0.10	182	5	0.05	24	180	9	0.12	<2	2	25
L837932		<10	<1	0.08	<10	0.20	278	6	0.07	17	430	3	0.01	2	2	12
L837933		<10	<1	0.07	10	0.25	451	52	0.06	48	520	3	0.02	4	3	18
L837934		<10	1	0.15	10	0.62	726	17	0.04	11	990	6	0.24	<2	7	69
L837935		<10	<1	0.13	10	0.35	1005	4	0.04	6	570	12	0.25	<2	5	52
L837936		10	1	0.34	10	1.21	671	10	0.11	14	930	14	0.09	6	13	41
L837937		<10	<1	0.15	10	0.76	655	2	0.10	5	1090	4	0.04	<2	8	37
L837938		10	<1	0.17	10	0.58	707	1	0.15	3	1670	3	0.03	<2	8	53
L837939		<10	1	0.14	20	0.42	819	2	0.07	3	1260	3	0.10	<2	9	81
L837940		<10	1	0.18	10	0.19	946	1	0.05	5	1110	15	0.30	6	7	52

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11160258

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
L837901		<20	0.07	<10	<10	59	<10	66
L837902		<20	0.10	<10	<10	75	<10	52
L837903		<20	0.01	<10	<10	30	<10	39
L837904		<20	0.11	<10	<10	61	<10	50
L837905		<20	0.10	<10	<10	85	<10	78
L837906		<20	0.13	<10	<10	66	<10	52
L837907		<20	0.07	<10	<10	62	<10	57
L837908		<20	0.04	<10	<10	49	<10	56
L837909		<20	0.05	<10	<10	45	<10	39
L837910		<20	0.09	<10	<10	56	<10	47
L837911		<20	0.06	<10	<10	64	<10	61
L837912		<20	0.03	<10	<10	67	<10	64
L837913		<20	0.05	<10	<10	53	<10	51
L837914		<20	0.04	<10	<10	55	<10	63
L837915		<20	0.02	<10	<10	51	<10	48
L837916		<20	0.06	<10	<10	70	<10	54
L837917		<20	<0.01	<10	<10	54	<10	56
L837918		<20	<0.01	<10	<10	18	<10	31
L837919		<20	0.01	<10	<10	37	<10	34
L837920		<20	0.06	<10	<10	35	<10	32
L837921		<20	0.05	<10	<10	33	<10	32
L837922		<20	0.02	<10	<10	30	<10	31
L837923		<20	0.05	<10	<10	32	<10	27
L837924		<20	0.03	<10	<10	30	<10	32
L837925		<20	0.05	<10	<10	39	<10	29
L837926		<20	0.01	<10	<10	61	<10	43
L837927		<20	0.07	<10	<10	51	<10	44
L837928		<20	<0.01	<10	<10	28	10	41
L837929		<20	<0.01	<10	<10	23	10	35
L837930		<20	<0.01	<10	<10	2	<10	14
L837931		<20	<0.01	<10	<10	15	20	11
L837932		<20	0.04	<10	<10	20	<10	14
L837933		<20	0.02	<10	<10	52	<10	26
L837934		<20	<0.01	<10	<10	75	90	38
L837935		<20	<0.01	<10	<10	37	10	37
L837936		<20	0.12	<10	<10	126	10	55
L837937		<20	0.04	<10	<10	88	10	37
L837938		<20	0.11	<10	<10	79	<10	53
L837939		<20	0.01	<10	<10	68	<10	59
L837940		<20	<0.01	<10	<10	45	<10	51

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 30- SEP- 2011
Account: F

CERTIFICATE WH11164760

Project: Wolverine- Dade

P.O. No.: Trench D

This report is for 31 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164760

Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837941		2.69	<0.005	0.2	1.25	6	<10	150	<0.5	<2	0.99	<0.5	9	56	2	2.47
L837942		2.41	<0.005	<0.2	1.45	4	<10	170	<0.5	<2	1.36	<0.5	8	10	17	3.03
L837943		3.68	<0.005	<0.2	1.13	4	<10	130	<0.5	<2	0.80	<0.5	6	16	4	2.54
L837944		4.00	<0.005	<0.2	0.97	7	<10	140	<0.5	<2	0.86	<0.5	5	6	6	2.33
L837945		3.33	<0.005	<0.2	1.01	3	<10	160	<0.5	<2	1.11	<0.5	5	7	8	2.45
L837946		2.14	<0.005	<0.2	0.79	5	<10	190	<0.5	<2	0.55	<0.5	5	10	14	1.85
L837947		2.42	<0.005	0.2	0.90	5	<10	170	<0.5	<2	0.79	<0.5	6	10	6	2.31
L837948		3.08	<0.005	0.2	1.51	3	<10	270	<0.5	<2	0.95	<0.5	11	13	3	3.71
L837949		1.40	<0.005	<0.2	1.06	3	<10	180	0.5	<2	0.77	<0.5	9	11	4	3.38
L837950		0.22	0.988	5.0	1.58	22	<10	100	<0.5	4	0.83	2.1	11	42	>10000	3.81
L837951		2.02	<0.005	<0.2	0.92	3	<10	120	<0.5	<2	0.91	<0.5	6	8	2	2.70
L837952		2.23	<0.005	<0.2	0.59	21	<10	160	0.6	<2	1.19	<0.5	7	12	7	2.67
L837953		2.48	<0.005	<0.2	0.95	6	<10	370	0.5	<2	1.48	<0.5	8	9	20	2.99
L837954		1.50	<0.005	<0.2	0.97	8	<10	370	0.5	<2	1.71	<0.5	9	9	20	3.04
L837955		2.20	<0.005	<0.2	1.26	7	<10	210	<0.5	<2	1.29	<0.5	10	20	3	3.34
L837956		1.61	<0.005	<0.2	0.43	17	<10	730	<0.5	<2	1.77	<0.5	4	5	4	1.66
L837957		1.29	0.026	<0.2	0.41	68	<10	520	0.9	<2	4.69	<0.5	6	3	6	2.26
L837958		1.77	0.622	2.8	0.32	477	<10	110	<0.5	20	0.61	<0.5	3	12	69	2.46
L837959		2.61	2.09	8.3	0.30	1510	<10	150	<0.5	116	0.25	0.6	4	16	141	6.15
L837960		2.58	1.165	5.2	0.41	653	<10	180	<0.5	55	0.28	0.6	4	17	103	3.34
L837961		3.10	0.005	0.2	0.04	8	<10	20	<0.5	<2	19.5	<0.5	1	1	3	0.39
L837962		1.70	0.742	0.9	0.49	302	<10	120	<0.5	8	0.25	<0.5	4	7	40	2.11
L837963		1.93	0.211	0.8	0.66	35	<10	1430	<0.5	4	0.84	<0.5	4	8	12	1.94
L837964		2.16	0.287	0.6	0.71	35	<10	1490	<0.5	3	0.85	<0.5	5	8	11	2.11
L837965		2.84	0.097	0.2	0.71	51	<10	130	<0.5	<2	1.04	<0.5	6	5	21	2.42
L837966		1.95	0.051	0.3	0.76	19	<10	260	<0.5	<2	3.68	<0.5	6	6	12	2.87
L837967		2.12	0.309	<0.2	0.89	12	<10	170	<0.5	2	1.10	<0.5	5	5	14	2.39
L837968		1.78	0.077	0.3	0.88	19	<10	140	<0.5	<2	1.03	<0.5	5	10	17	2.58
L837969		1.27	7.76	2.5	1.40	31	<10	470	<0.5	46	1.12	<0.5	11	14	23	3.46
L837970		2.12	0.130	0.6	1.32	40	<10	190	0.5	3	0.57	<0.5	8	7	28	3.37
L837971		2.93	0.462	0.5	0.69	31	<10	120	<0.5	4	0.48	<0.5	4	5	12	1.96

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Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164760

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837941		10	<1	0.15	10	1.03	687	<1	0.12	10	990	16	0.03	<2	6	28
L837942		10	<1	0.20	10	0.93	786	<1	0.18	3	1560	3	0.08	<2	7	43
L837943		10	<1	0.15	10	0.70	691	<1	0.11	4	1100	6	0.04	2	6	29
L837944		<10	<1	0.15	10	0.49	634	1	0.13	3	1120	4	0.04	<2	5	31
L837945		<10	<1	0.17	10	0.56	626	1	0.16	2	1380	6	0.05	<2	6	30
L837946		<10	<1	0.17	10	0.35	512	1	0.09	7	710	7	0.03	<2	4	20
L837947		<10	<1	0.16	20	0.48	683	<1	0.09	4	910	5	0.04	<2	4	25
L837948		10	<1	0.23	10	1.02	970	<1	0.12	5	1360	4	0.03	<2	9	33
L837949		<10	<1	0.17	10	0.54	1020	<1	0.09	4	1280	5	0.04	<2	7	25
L837950		<10	<1	0.14	<10	0.73	421	203	0.10	27	570	39	1.75	23	5	42
L837951		<10	<1	0.14	10	0.48	720	<1	0.08	2	1160	5	0.02	<2	6	34
L837952		<10	<1	0.13	10	0.21	800	<1	0.05	4	870	6	0.03	<2	8	26
L837953		<10	<1	0.17	10	0.59	714	<1	0.07	5	1010	3	0.14	2	7	70
L837954		<10	<1	0.19	10	0.58	741	<1	0.07	5	1000	3	0.13	2	7	81
L837955		10	<1	0.15	10	0.88	874	<1	0.07	8	870	5	0.03	<2	9	51
L837956		<10	<1	0.17	10	0.38	459	<1	0.07	2	490	6	0.06	2	2	65
L837957		<10	<1	0.19	10	0.57	946	1	0.04	4	350	13	0.06	2	3	76
L837958		<10	<1	0.09	10	0.13	377	26	0.04	4	220	23	0.05	12	2	32
L837959		<10	<1	0.04	<10	0.18	252	101	0.04	13	210	100	0.06	37	2	14
L837960		<10	<1	0.07	<10	0.23	247	71	0.06	8	270	39	0.05	16	2	17
L837961		<10	<1	0.02	<10	12.35	192	<1	0.02	1	310	<2	0.03	<2	<1	52
L837962		<10	<1	0.11	10	0.17	305	12	0.04	6	340	10	0.03	5	2	18
L837963		<10	<1	0.14	10	0.33	473	1	0.10	3	690	7	0.13	3	4	45
L837964		<10	<1	0.14	10	0.33	508	1	0.11	4	770	7	0.13	2	4	47
L837965		<10	<1	0.14	10	0.30	547	1	0.11	1	1220	6	0.07	4	6	33
L837966		<10	<1	0.14	10	0.97	787	1	0.11	3	1120	6	0.26	2	5	65
L837967		<10	<1	0.13	10	0.41	611	1	0.08	1	960	5	0.10	2	6	39
L837968		<10	<1	0.17	10	0.38	659	<1	0.08	3	860	8	0.12	2	7	42
L837969		10	<1	0.32	10	0.98	865	1	0.13	6	1340	20	0.22	<2	8	35
L837970		10	<1	0.12	10	0.73	773	1	0.07	4	1320	11	0.04	<2	9	24
L837971		<10	<1	0.12	10	0.28	434	1	0.07	4	720	9	0.02	<2	4	21

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

Finalized Date: 30- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164760

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Cu- OG46 Cu % 0.001
L837941		<20	0.14	<10	<10	68	<10	73	
L837942		<20	0.12	<10	<10	79	<10	64	
L837943		<20	0.06	<10	<10	60	<10	57	
L837944		<20	0.08	<10	<10	54	<10	45	
L837945		<20	0.12	<10	<10	61	<10	45	
L837946		<20	0.04	<10	<10	32	<10	33	
L837947		<20	0.04	<10	<10	40	<10	40	
L837948		<20	0.07	<10	<10	88	<10	73	
L837949		<20	0.06	<10	<10	62	<10	70	
L837950		<20	0.13	<10	<10	59	<10	139	1.310
L837951		<20	0.04	<10	<10	54	<10	64	
L837952		<20	0.01	<10	<10	57	<10	57	
L837953		<20	0.03	<10	<10	58	<10	59	
L837954		<20	0.02	<10	<10	58	<10	60	
L837955		<20	0.03	<10	<10	74	<10	74	
L837956		<20	<0.01	<10	<10	21	<10	34	
L837957		<20	<0.01	<10	<10	15	<10	47	
L837958		<20	<0.01	<10	<10	17	10	29	
L837959		<20	0.03	<10	<10	24	10	39	
L837960		<20	0.04	<10	<10	28	<10	50	
L837961		<20	<0.01	<10	<10	2	<10	15	
L837962		<20	0.01	<10	<10	21	<10	38	
L837963		<20	0.04	<10	<10	38	<10	34	
L837964		<20	0.05	<10	<10	41	<10	37	
L837965		<20	0.07	<10	<10	50	<10	39	
L837966		<20	0.06	<10	<10	51	<10	40	
L837967		<20	0.02	<10	<10	54	<10	42	
L837968		<20	0.01	<10	<10	53	<10	43	
L837969		<20	0.12	<10	<10	88	<10	56	
L837970		<20	0.04	<10	<10	80	<10	55	
L837971		<20	0.03	<10	<10	36	<10	34	

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1016- 510 W HASTINGS ST
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Finalized Date: 26- SEP- 2011
Account: F

CERTIFICATE WH11164762

Project: Wolverine- Dade

P.O. No.: Trench E

This report is for 37 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164762

Sample Description	WEI- 21	Au- AA24	Au- GRA22	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Method / Analyte / Units / LOR	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
L837972	1.27	0.064		0.5	0.88	21	<10	200	0.6	<2	1.15	<0.5	8	33	24
L837973	1.81	<0.005		<0.2	0.81	5	<10	170	<0.5	<2	1.35	<0.5	5	9	10
L837974	1.91	0.007		<0.2	0.94	49	<10	270	0.7	<2	1.91	0.5	11	115	11
L837975	1.97	<0.005		<0.2	0.65	12	<10	640	0.5	<2	1.28	<0.5	4	9	6
L837976	2.28	<0.005		<0.2	0.69	25	<10	160	0.7	<2	4.66	<0.5	7	51	6
L837977	2.10	<0.005		<0.2	0.94	9	<10	140	<0.5	<2	1.15	<0.5	6	9	8
L837978	1.89	<0.005		<0.2	0.95	6	<10	170	<0.5	<2	2.11	<0.5	8	34	2
L837979	2.01	<0.005		<0.2	0.67	3	<10	130	<0.5	<2	0.67	<0.5	3	6	4
L837980	1.20	<0.005		<0.2	0.51	2	<10	90	<0.5	<2	0.58	<0.5	2	7	2
L837981	1.85	<0.005		<0.2	0.80	4	<10	210	<0.5	<2	0.50	<0.5	5	7	3
L837982	1.72	0.127		1.0	0.70	22	<10	120	<0.5	<2	0.45	<0.5	5	8	5
L837983	1.41	<0.005		<0.2	0.65	2	<10	90	<0.5	<2	0.40	<0.5	4	6	2
L837984	2.15	<0.005		<0.2	0.81	3	<10	80	<0.5	<2	0.65	<0.5	4	8	4
L837985	2.25	<0.005		<0.2	1.17	3	<10	110	<0.5	<2	1.08	<0.5	7	7	7
L837986	2.19	<0.005		<0.2	1.13	<2	<10	100	<0.5	<2	0.84	<0.5	8	37	3
L837987	2.80	<0.005		<0.2	0.76	<2	<10	180	<0.5	<2	0.55	<0.5	4	11	2
L837988	2.21	<0.005		<0.2	1.04	3	<10	230	0.5	<2	1.22	<0.5	9	21	4
L837989	0.23	0.902		4.7	1.51	22	<10	70	<0.5	3	0.75	2.1	10	40	>10000
L837990	2.47	<0.005		<0.2	0.47	4	<10	180	<0.5	<2	0.76	<0.5	4	9	22
L837991	2.14	<0.005		<0.2	0.92	69	<10	300	0.7	<2	1.25	<0.5	8	24	4
L837992	2.03	<0.005		<0.2	0.79	8	<10	450	0.7	<2	1.75	<0.5	5	4	2
L837993	2.29	<0.005		<0.2	0.82	17	<10	380	0.5	<2	2.15	<0.5	8	7	5
L837994	1.58	0.017		0.2	0.68	343	<10	1900	0.9	<2	0.23	0.5	11	2	72
L837995	2.35	1.015		4.1	0.37	802	<10	110	<0.5	42	0.17	0.8	16	8	102
L837996	2.37	3.68		4.2	0.42	533	<10	120	0.6	65	0.20	0.7	12	10	70
L837997	2.22	>10.0	16.60	11.5	0.34	440	<10	170	<0.5	259	0.16	0.8	11	11	60
L837998	1.66	0.020		0.2	0.04	5	<10	<10	<0.5	<2	18.0	<0.5	2	1	2
L837999	2.52	0.433		0.4	0.89	239	<10	140	0.7	5	0.82	<0.5	9	5	40
L837801	1.88	0.222		0.5	1.20	206	<10	150	0.7	6	0.54	<0.5	9	6	34
L837802	3.57	0.417		0.5	1.33	203	<10	150	0.5	5	0.81	<0.5	10	11	27
L837803	1.98	0.155		0.3	1.23	176	<10	190	0.6	2	0.72	<0.5	10	6	23
L837804	2.48	0.132		0.2	1.00	109	<10	110	0.5	3	0.92	<0.5	8	8	21
L837805	2.62	0.859		0.9	0.87	1695	<10	140	0.6	11	0.36	<0.5	33	9	48
L837806	2.43	0.352		1.0	0.68	603	<10	160	<0.5	9	0.45	<0.5	15	8	39
L837807	1.46	0.010		<0.2	0.81	24	<10	180	0.5	<2	0.49	<0.5	4	6	7
L837808	2.09	0.033		<0.2	0.96	33	<10	150	<0.5	<2	0.51	<0.5	6	7	10
L8378000	2.95	0.555		0.6	1.09	231	<10	120	0.7	10	0.44	<0.5	11	11	42

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

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164762

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
L837972		3.20	<10	<1	0.15	10	0.36	900	14	0.06	27	1120	6	0.09	8	7
L837973		2.26	<10	<1	0.12	10	0.43	534	2	0.09	6	1080	2	0.13	<2	6
L837974		4.32	<10	<1	0.16	10	0.39	1350	17	0.08	63	1690	5	0.14	4	9
L837975		1.95	<10	<1	0.18	10	0.28	570	5	0.05	6	730	7	0.05	2	3
L837976		2.36	<10	<1	0.19	10	0.42	842	12	0.01	30	440	12	0.01	3	4
L837977		2.33	<10	<1	0.14	10	0.43	595	1	0.10	3	1050	5	0.09	2	5
L837978		2.12	<10	<1	0.13	10	0.90	617	<1	0.12	6	660	2	0.02	2	8
L837979		1.60	<10	<1	0.12	10	0.29	396	<1	0.10	2	710	3	0.03	<2	3
L837980		1.29	<10	<1	0.14	10	0.19	304	<1	0.08	1	490	3	0.03	<2	2
L837981		2.09	<10	<1	0.16	10	0.28	587	<1	0.06	3	700	3	0.01	<2	4
L837982		2.15	<10	<1	0.13	10	0.32	482	2	0.08	6	620	8	0.02	2	3
L837983		1.67	<10	<1	0.12	10	0.21	417	<1	0.06	2	690	2	0.01	2	2
L837984		1.78	<10	<1	0.14	10	0.40	434	<1	0.11	2	850	5	0.01	<2	4
L837985		2.70	10	<1	0.16	10	0.66	610	<1	0.13	4	1790	2	0.04	<2	6
L837986		2.12	10	<1	0.17	10	0.86	476	<1	0.09	10	720	<2	0.01	<2	6
L837987		1.86	<10	<1	0.16	10	0.36	463	<1	0.07	4	690	2	0.02	<2	4
L837988		3.38	<10	<1	0.19	10	0.52	895	1	0.07	10	1040	3	0.06	2	8
L837989		3.70	<10	<1	0.13	<10	0.67	395	185	0.08	26	550	37	1.68	24	5
L837990		1.68	<10	<1	0.15	10	0.28	466	1	0.06	3	530	4	0.02	<2	3
L837991		3.25	<10	<1	0.20	10	0.39	854	<1	0.06	9	980	5	0.05	2	7
L837992		2.60	<10	<1	0.24	10	0.23	747	1	0.07	2	1130	5	0.03	<2	4
L837993		3.04	<10	<1	0.15	10	0.38	788	<1	0.05	4	910	4	0.10	3	7
L837994		2.71	<10	<1	0.21	10	0.05	526	8	0.01	5	470	18	0.11	17	3
L837995		3.68	<10	<1	0.12	<10	0.03	353	210	0.01	7	400	56	0.07	11	2
L837996		3.08	<10	<1	0.15	<10	0.04	434	46	<0.01	5	360	44	0.09	13	2
L837997		2.55	<10	<1	0.13	<10	0.03	432	58	<0.01	5	310	125	0.07	12	2
L837998		0.39	<10	<1	0.02	<10	11.40	178	<1	<0.01	<1	210	3	0.01	2	<1
L837999		3.33	<10	<1	0.13	10	0.39	727	3	0.05	2	1110	8	0.06	4	8
L837801		3.42	10	<1	0.13	10	0.46	788	2	0.07	3	1140	9	0.05	2	9
L837802		3.48	10	<1	0.14	10	0.70	768	1	0.09	4	1360	6	0.04	2	10
L837803		3.42	10	<1	0.14	20	0.44	925	2	0.07	2	1260	7	0.02	3	8
L837804		2.80	<10	<1	0.14	10	0.47	614	1	0.11	3	1280	4	0.03	<2	7
L837805		2.88	<10	<1	0.12	10	0.23	618	14	0.04	4	710	13	0.04	9	5
L837806		2.54	<10	<1	0.12	10	0.17	519	9	0.06	4	760	16	0.05	8	4
L837807		2.01	<10	<1	0.12	10	0.18	538	1	0.05	3	480	5	0.04	3	5
L837808		2.29	<10	<1	0.14	10	0.42	569	1	0.09	3	830	5	0.03	<2	6
L8378000		3.33	<10	<1	0.17	10	0.37	500	2	0.05	4	1020	12	0.04	5	8

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164762

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Cu- OG46 Cu % 0.001
L837972		45	<20	0.03	<10	<10	70	<10	58	
L837973		49	<20	0.03	<10	<10	50	<10	38	
L837974		63	<20	0.04	<10	<10	89	<10	97	
L837975		36	<20	0.02	<10	<10	29	<10	36	
L837976		121	<20	<0.01	<10	<10	31	<10	43	
L837977		40	<20	0.05	<10	<10	44	<10	51	
L837978		48	<20	0.05	<10	<10	50	<10	35	
L837979		31	<20	0.05	<10	<10	30	<10	31	
L837980		26	<20	0.04	<10	<10	25	<10	23	
L837981		29	<20	0.02	<10	<10	38	<10	41	
L837982		27	<20	0.04	<10	<10	33	<10	35	
L837983		29	<20	0.01	<10	<10	30	<10	58	
L837984		31	<20	0.07	<10	<10	41	<10	33	
L837985		42	<20	0.11	<10	<10	67	<10	45	
L837986		32	<20	0.05	<10	<10	53	<10	49	
L837987		29	<20	0.02	<10	<10	33	<10	42	
L837988		62	<20	0.01	<10	<10	67	<10	64	
L837989		40	<20	0.12	<10	<10	55	<10	133	1.275
L837990		40	<20	0.01	<10	<10	26	<10	34	
L837991		56	<20	0.02	<10	<10	57	<10	71	
L837992		39	<20	0.02	<10	<10	37	<10	49	
L837993		86	<20	0.01	<10	<10	56	<10	62	
L837994		44	<20	<0.01	<10	<10	15	<10	67	
L837995		19	<20	<0.01	<10	<10	15	<10	52	
L837996		21	<20	<0.01	<10	<10	11	10	30	
L837997		15	<20	<0.01	<10	<10	9	<10	30	
L837998		46	<20	<0.01	<10	<10	1	<10	12	
L837999		36	<20	0.01	<10	<10	62	<10	46	
L837801		30	<20	0.01	<10	<10	68	<10	54	
L837802		33	<20	0.07	<10	<10	88	<10	58	
L837803		35	<20	0.01	<10	<10	76	<10	53	
L837804		34	<20	0.08	<10	<10	67	<10	44	
L837805		32	<20	0.02	<10	<10	41	<10	48	
L837806		28	<20	0.02	<10	<10	39	<10	37	
L837807		25	<20	0.01	<10	<10	32	<10	36	
L837808		28	<20	0.03	<10	<10	50	<10	36	
L8378000		24	<20	0.01	<10	<10	63	<10	52	

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VANCOUVER BC V6B 1L8

Finalized Date: 26- SEP- 2011
Account: F

CERTIFICATE WH11169045

Project: Wolverine - Dade

P.O. No.: Trench H

This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SPL- 22Y	Split Sample - Boyd Rotary Splitter
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70% <2mm
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% <75 um
LOG- 24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169045

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
L837873		1.91	<0.005	<0.2	0.83	4	<10	160	<0.5	5	0.69	<0.5	4	10	3	1.73
L837874		2.61	<0.005	<0.2	0.99	7	<10	290	<0.5	5	0.67	<0.5	5	35	3	2.01
L837875		2.32	<0.005	<0.2	1.20	11	<10	200	<0.5	6	1.05	<0.5	7	7	8	2.85
L837876		2.44	<0.005	<0.2	0.81	3	<10	80	<0.5	<2	0.53	<0.5	4	7	6	1.75
L837877		3.69	<0.005	<0.2	1.32	2	<10	210	0.5	<2	0.84	<0.5	6	8	5	2.76
L837878		3.33	<0.005	<0.2	1.09	3	<10	130	<0.5	<2	0.99	<0.5	6	14	6	2.25
L837879		3.57	<0.005	<0.2	1.32	5	<10	130	0.5	<2	1.18	<0.5	7	15	19	2.96
L837880		3.54	<0.005	<0.2	1.39	7	<10	110	0.5	<2	1.14	<0.5	9	9	29	3.26
L837881		0.07	2.10	14.6	0.98	28	<10	20	<0.5	6	0.31	56.6	10	42	5140	9.43
L837882		2.56	<0.005	0.2	1.10	2	<10	90	0.5	<2	0.63	<0.5	6	7	16	2.80
L837883		3.68	<0.005	<0.2	1.41	2	<10	110	0.6	<2	1.04	<0.5	8	5	11	3.88
L837884		2.60	<0.005	0.2	1.94	2	<10	260	<0.5	<2	1.22	<0.5	20	150	47	4.25
L837885		2.75	<0.005	0.2	1.59	3	<10	140	0.6	<2	1.13	<0.5	9	9	12	4.15
L837886		2.16	<0.005	<0.2	1.84	3	<10	190	0.5	<2	1.06	<0.5	13	69	29	3.96
L837887		4.11	<0.005	<0.2	1.38	2	<10	110	0.6	<2	1.19	<0.5	9	18	16	3.21
L837888		1.77	<0.005	<0.2	1.16	5	<10	140	<0.5	<2	0.75	<0.5	7	21	10	2.38
L837889		3.77	<0.005	0.2	1.43	4	<10	250	0.5	<2	2.49	<0.5	10	22	23	3.21
L837890		2.16	<0.005	0.2	1.81	4	<10	210	0.7	<2	1.27	<0.5	13	26	42	4.01
L837891		3.46	<0.005	<0.2	1.35	2	<10	100	0.6	<2	1.03	<0.5	8	18	16	2.93
L837892		2.93	<0.005	<0.2	1.34	<2	<10	100	0.5	<2	0.86	<0.5	8	34	12	3.09
L837893		2.58	<0.005	<0.2	1.06	4	<10	260	0.7	<2	0.83	<0.5	7	13	12	3.03
L837894		2.50	<0.005	<0.2	1.05	4	<10	160	0.5	<2	0.87	<0.5	6	11	11	2.67
L837895		1.53	<0.005	<0.2	1.96	4	<10	170	0.5	<2	0.94	<0.5	11	31	12	4.02
L837896		1.82	<0.005	<0.2	1.06	9	<10	160	0.5	<2	1.11	<0.5	7	13	11	2.86
L837897		3.49	<0.005	<0.2	0.75	29	<10	160	0.8	<2	1.55	<0.5	6	13	10	2.75
L837898		3.45	<0.005	<0.2	1.23	31	<10	120	0.6	<2	0.98	<0.5	10	6	26	3.82
L837899		4.69	0.012	<0.2	1.14	11	<10	130	0.8	<2	0.68	<0.5	10	13	17	4.34
L837900		3.58	0.010	0.2	1.13	14	<10	250	0.8	<2	0.84	<0.5	9	11	20	3.81
K191561		2.68	0.022	0.2	0.66	39	<10	110	1.0	<2	0.24	<0.5	4	5	11	0.97
K191562		2.74	<0.005	0.2	0.04	<2	<10	<10	<0.5	<2	18.4	<0.5	2	<1	1	0.38
K191563		1.74	0.121	0.8	0.56	136	<10	160	1.1	8	0.35	<0.5	4	4	11	1.13
K191564		3.37	0.174	0.5	1.25	59	<10	160	0.7	4	0.77	<0.5	9	6	30	3.88
K191565		4.49	0.028	<0.2	1.35	16	<10	120	0.6	<2	0.60	<0.5	9	15	15	2.99

ALS Canada Ltd.

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

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169045

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
L837873		<10	1	0.13	10	0.39	449	<1	0.12	4	840	3	0.04	<2	4	30
L837874		10	<1	0.13	10	0.51	503	<1	0.12	9	810	2	0.05	<2	4	36
L837875		10	<1	0.12	10	0.57	670	1	0.07	2	1020	5	0.09	<2	6	43
L837876		<10	<1	0.12	10	0.34	431	1	0.06	3	620	9	0.06	<2	4	22
L837877		10	<1	0.21	10	0.64	674	<1	0.08	4	1190	4	0.07	<2	5	44
L837878		<10	<1	0.15	10	0.56	507	1	0.13	3	1200	3	0.06	<2	5	33
L837879		10	<1	0.17	10	0.69	649	1	0.16	6	1460	3	0.11	<2	7	48
L837880		10	<1	0.15	10	0.72	694	1	0.13	5	1810	5	0.17	<2	7	42
L837881		<10	2	0.09	<10	0.96	341	13	0.01	22	110	249	>10.0	2	2	7
L837882		10	<1	0.13	10	0.47	746	<1	0.07	4	1100	6	0.05	<2	7	31
L837883		10	<1	0.19	30	0.77	825	<1	0.10	2	1600	5	0.05	<2	10	44
L837884		10	<1	0.61	20	1.81	597	<1	0.10	95	1660	3	0.10	<2	9	43
L837885		10	<1	0.22	30	0.93	843	<1	0.13	4	1760	3	0.05	2	11	50
L837886		10	<1	0.28	30	1.23	773	<1	0.07	40	1260	3	0.11	<2	10	45
L837887		10	<1	0.18	20	0.83	727	<1	0.14	9	1430	3	0.06	<2	9	44
L837888		10	<1	0.17	10	0.60	542	<1	0.11	7	920	4	0.05	<2	6	35
L837889		10	<1	0.19	20	0.84	666	<1	0.13	16	1500	3	0.15	<2	8	47
L837890		10	<1	0.19	30	1.12	815	1	0.11	12	1180	3	0.10	<2	12	48
L837891		10	<1	0.19	20	0.81	646	<1	0.12	6	1280	2	0.07	<2	7	39
L837892		10	<1	0.18	20	0.83	733	1	0.09	20	1250	4	0.08	<2	8	37
L837893		<10	<1	0.21	20	0.41	816	1	0.05	8	910	5	0.08	<2	6	30
L837894		<10	<1	0.19	20	0.49	716	<1	0.07	5	850	4	0.06	2	6	39
L837895		10	<1	0.25	20	1.52	825	1	0.12	16	1090	3	0.09	<2	12	49
L837896		10	<1	0.20	20	0.52	691	<1	0.09	6	950	3	0.08	<2	9	50
L837897		<10	<1	0.13	10	0.31	705	1	0.02	8	830	6	0.05	4	8	61
L837898		10	<1	0.16	10	0.54	859	1	0.09	4	1800	4	0.07	2	9	35
L837899		<10	<1	0.23	20	0.24	977	1	0.04	9	1660	5	0.05	2	14	31
L837900		<10	<1	0.22	20	0.42	884	1	0.05	9	1290	6	0.08	5	11	35
K191561		<10	<1	0.24	10	0.08	467	6	<0.01	2	260	19	0.03	5	2	35
K191562		<10	<1	0.02	<10	11.75	179	<1	<0.01	<1	280	3	0.02	<2	<1	52
K191563		<10	<1	0.21	10	0.09	629	6	0.01	2	250	30	0.03	5	2	42
K191564		10	<1	0.13	20	0.52	946	2	0.06	5	1530	8	0.14	2	9	38
K191565		10	<1	0.16	10	0.56	708	1	0.07	7	980	5	0.03	3	6	31

ALS Minerals

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

Finalized Date: 26- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169045

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	Zn- OG46 Zn % 0.001
L837873		<20	0.07	<10	<10	39	<10	33	
L837874		<20	0.08	<10	<10	47	<10	43	
L837875		<20	0.02	<10	<10	61	<10	60	
L837876		<20	0.02	<10	<10	36	<10	34	
L837877		<20	0.04	<10	<10	52	<10	59	
L837878		<20	0.11	<10	<10	53	<10	42	
L837879		<20	0.12	<10	<10	72	<10	56	
L837880		<20	0.10	<10	<10	68	<10	58	
L837881		<20	0.02	<10	<10	16	<10	>10000	1.355
L837882		<20	0.04	<10	<10	54	<10	60	
L837883		<20	0.08	<10	<10	94	<10	75	
L837884		<20	0.22	<10	<10	137	<10	81	
L837885		<20	0.13	<10	<10	108	<10	77	
L837886		<20	0.08	<10	<10	94	<10	84	
L837887		<20	0.11	<10	<10	79	<10	63	
L837888		<20	0.09	<10	<10	60	<10	47	
L837889		<20	0.13	<10	<10	80	<10	58	
L837890		<20	0.11	<10	<10	96	<10	82	
L837891		<20	0.11	<10	<10	71	<10	59	
L837892		<20	0.09	<10	<10	74	<10	61	
L837893		<20	0.02	<10	<10	49	<10	57	
L837894		<20	0.03	<10	<10	50	<10	57	
L837895		<20	0.09	<10	<10	112	<10	91	
L837896		<20	0.05	<10	<10	67	30	59	
L837897		<20	0.01	<10	<10	51	<10	62	
L837898		<20	0.08	<10	<10	85	<10	63	
L837899		<20	0.01	<10	<10	101	<10	76	
L837900		<20	0.03	<10	<10	75	<10	65	
K191561		<20	<0.01	<10	<10	11	<10	27	
K191562		<20	<0.01	<10	<10	1	<10	13	
K191563		<20	<0.01	<10	<10	11	<10	34	
K191564		<20	0.02	<10	<10	90	<10	65	
K191565		<20	0.07	<10	<10	64	<10	56	

ALS Minerals

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

Finalized Date: 2- OCT- 2011
Account: F

CERTIFICATE WH11169046

Project: Wolverine - Dade

P.O. No.: Trench G

This report is for 32 Rock samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 2- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169046

Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
L837841		2.75	<0.005	<0.2	0.79	6	<10	140	0.5	<2	0.97	<0.5	6	6	6	2.33
L837842		3.14	<0.005	<0.2	0.99	4	<10	140	<0.5	<2	0.43	<0.5	6	10	8	2.45
L837843		4.06	0.005	0.2	0.85	15	<10	110	<0.5	<2	0.50	<0.5	5	8	8	1.94
L837844		2.83	<0.005	<0.2	0.78	3	<10	100	<0.5	<2	0.54	<0.5	4	6	3	1.68
L837845		3.04	<0.005	<0.2	0.97	<2	<10	160	<0.5	<2	0.84	<0.5	5	24	5	1.97
L837846		3.00	<0.005	<0.2	1.37	<2	<10	160	0.5	<2	1.29	<0.5	7	36	5	2.74
L837847		2.22	<0.005	<0.2	1.32	<2	<10	140	<0.5	<2	1.21	<0.5	6	8	10	2.94
L837848		2.19	<0.005	<0.2	1.18	<2	<10	120	<0.5	<2	1.16	<0.5	6	6	9	2.74
L837849		2.20	<0.005	<0.2	1.13	<2	<10	110	<0.5	<2	0.85	<0.5	5	6	4	2.43
L837850		0.23	0.245	1.9	1.56	22	<10	100	<0.5	<2	1.84	0.8	15	63	1915	4.16
L837851		2.08	<0.005	<0.2	1.12	<2	<10	130	<0.5	<2	0.84	<0.5	4	5	13	2.38
L837852		1.84	<0.005	<0.2	0.65	<2	<10	130	<0.5	<2	0.47	<0.5	4	14	4	1.50
L837853		2.09	<0.005	<0.2	0.54	<2	<10	170	<0.5	<2	0.55	<0.5	3	16	5	1.27
L837854		2.05	<0.005	<0.2	0.71	<2	<10	120	<0.5	<2	0.53	<0.5	3	10	5	1.48
L837855		2.77	<0.005	<0.2	1.22	<2	<10	220	<0.5	<2	1.47	<0.5	7	11	5	2.92
L837856		0.99	<0.005	<0.2	1.72	<2	<10	580	0.5	<2	3.09	<0.5	11	51	3	4.02
L837857		2.65	<0.005	<0.2	0.65	<2	<10	500	0.6	<2	1.41	<0.5	5	4	4	2.41
L837858		1.65	<0.005	<0.2	0.58	<2	<10	430	0.5	<2	1.07	<0.5	4	5	3	1.77
L837859		2.78	<0.005	<0.2	0.92	<2	<10	150	<0.5	<2	1.83	<0.5	5	5	4	2.71
L837860		3.54	<0.005	<0.2	1.15	<2	<10	140	<0.5	<2	0.94	<0.5	6	9	5	2.70
L837861		3.67	<0.005	<0.2	0.94	6	<10	230	0.6	<2	1.36	<0.5	9	8	9	3.55
L837862		3.38	0.008	<0.2	1.08	12	<10	140	0.5	<2	1.71	<0.5	7	11	16	2.90
L837863		3.13	0.088	<0.2	0.52	47	<10	190	<0.5	<2	0.92	<0.5	4	5	18	1.63
L837864		3.22	0.013	<0.2	0.58	270	<10	650	1.0	<2	0.18	<0.5	5	4	7	1.66
L837865		4.61	0.166	<0.2	0.57	322	<10	580	0.9	<2	0.22	<0.5	9	3	18	1.76
L837866		1.74	<0.005	<0.2	0.05	<2	<10	10	<0.5	<2	21.4	<0.5	1	1	3	0.43
L837867		2.31	0.018	<0.2	1.14	180	<10	300	1.0	<2	2.09	<0.5	12	11	31	4.36
L837868		3.65	0.015	<0.2	1.34	66	<10	180	0.9	<2	0.72	<0.5	10	9	24	3.77
L837869		4.27	0.027	<0.2	1.02	86	<10	260	1.0	<2	1.45	<0.5	11	7	31	3.60
L837870		3.47	0.034	<0.2	1.00	88	<10	160	0.7	<2	0.68	<0.5	9	8	21	3.24
L837871		3.94	1.985	0.5	1.04	262	<10	190	0.6	17	0.89	<0.5	10	7	37	3.84
L837872		3.03	0.203	<0.2	0.97	142	<10	180	0.7	<2	0.57	<0.5	8	5	40	3.58

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 2- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169046

Sample Description	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
L837841	<10	<1	0.14	10	0.31	622	<1	0.12	1	1240	4	0.05	<2	6	32
L837842	<10	<1	0.16	10	0.43	635	<1	0.09	3	840	4	0.03	<2	5	27
L837843	<10	<1	0.14	10	0.31	530	1	0.11	3	730	4	0.04	<2	4	27
L837844	<10	<1	0.14	10	0.37	434	<1	0.12	1	720	4	0.03	<2	4	29
L837845	<10	<1	0.20	10	0.58	503	<1	0.15	7	840	4	0.03	<2	5	31
L837846	10	<1	0.20	10	0.89	668	<1	0.15	7	1200	3	0.06	<2	6	40
L837847	10	<1	0.18	10	0.75	667	<1	0.18	2	1520	3	0.11	<2	7	47
L837848	10	<1	0.16	10	0.64	652	1	0.17	2	1550	3	0.06	<2	6	37
L837849	<10	<1	0.17	10	0.56	580	<1	0.15	2	1150	4	0.04	<2	5	33
L837850	<10	<1	0.51	20	0.83	368	165	0.06	16	730	22	1.96	8	6	75
L837851	<10	<1	0.13	10	0.59	544	1	0.13	2	1190	3	0.10	<2	5	34
L837852	<10	<1	0.15	10	0.30	364	<1	0.09	4	470	3	0.01	<2	3	21
L837853	<10	<1	0.14	10	0.28	275	<1	0.10	4	380	4	0.01	<2	3	24
L837854	<10	<1	0.14	10	0.33	324	<1	0.11	3	540	3	0.04	<2	3	23
L837855	<10	<1	0.19	10	0.64	763	<1	0.10	8	1210	4	0.09	<2	5	83
L837856	10	<1	0.26	20	0.98	1045	<1	0.05	20	1160	4	0.09	<2	7	226
L837857	<10	<1	0.21	10	0.25	725	<1	0.05	2	970	7	0.08	<2	3	62
L837858	<10	<1	0.23	10	0.10	586	<1	0.05	2	510	6	0.07	<2	2	56
L837859	<10	<1	0.14	10	0.66	859	<1	0.08	3	930	4	0.06	<2	5	65
L837860	<10	<1	0.18	10	0.67	642	<1	0.14	2	1060	3	0.05	<2	6	36
L837861	<10	<1	0.24	10	0.42	866	1	0.08	5	1230	3	0.08	<2	9	52
L837862	<10	<1	0.18	10	0.59	636	1	0.08	5	1020	3	0.18	<2	9	94
L837863	<10	<1	0.16	10	0.14	503	<1	0.03	3	370	9	0.10	3	3	30
L837864	<10	1	0.23	<10	0.05	631	4	<0.01	5	140	16	0.02	3	3	36
L837865	<10	<1	0.19	<10	0.05	675	8	<0.01	5	200	21	0.05	6	3	35
L837866	<10	<1	0.03	<10	12.95	213	<1	0.02	3	260	<2	0.03	<2	<1	50
L837867	<10	<1	0.14	10	0.27	1265	3	0.02	14	1530	10	0.16	13	12	44
L837868	<10	<1	0.16	10	0.24	955	4	0.03	6	1480	9	0.02	9	10	25
L837869	<10	<1	0.14	20	0.13	938	4	0.02	6	1560	13	0.07	9	12	32
L837870	<10	<1	0.16	10	0.25	873	4	0.08	6	1330	8	0.04	3	9	33
L837871	<10	1	0.14	10	0.33	931	4	0.06	4	1320	12	0.08	<2	8	34
L837872	<10	<1	0.17	10	0.23	898	3	0.06	4	1170	7	0.04	<2	7	27

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VANCOUVER BC V6B 1L8

Finalized Date: 2- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169046

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
L837841		<20	0.06	<10	<10	50	<10	44
L837842		<20	0.03	<10	<10	49	<10	52
L837843		<20	0.04	<10	<10	39	<10	36
L837844		<20	0.08	<10	<10	41	<10	40
L837845		<20	0.12	<10	<10	49	<10	46
L837846		<20	0.13	<10	<10	70	<10	60
L837847		<20	0.14	<10	<10	76	<10	51
L837848		<20	0.13	<10	<10	73	<10	49
L837849		<20	0.10	<10	<10	59	<10	49
L837850		<20	0.04	<10	<10	57	<10	65
L837851		<20	0.09	<10	<10	58	<10	40
L837852		<20	0.04	<10	<10	32	<10	31
L837853		<20	0.04	<10	<10	27	<10	27
L837854		<20	0.06	<10	<10	30	<10	29
L837855		<20	0.05	<10	<10	54	<10	62
L837856		<20	0.01	<10	<10	71	<10	92
L837857		<20	0.01	<10	<10	28	<10	47
L837858		<20	<0.01	<10	<10	16	<10	32
L837859		<20	0.04	<10	<10	50	<10	54
L837860		<20	0.10	<10	<10	68	<10	49
L837861		<20	0.05	<10	<10	75	<10	63
L837862		<20	0.03	<10	<10	71	<10	45
L837863		<20	<0.01	<10	<10	20	10	18
L837864		<20	<0.01	<10	<10	13	<10	39
L837865		<20	<0.01	<10	<10	13	<10	44
L837866		<20	<0.01	<10	10	2	<10	14
L837867		<20	0.01	<10	<10	87	<10	74
L837868		<20	0.02	<10	<10	69	<10	71
L837869		<20	0.01	<10	<10	74	<10	82
L837870		<20	0.03	<10	<10	67	<10	92
L837871		<20	0.03	<10	<10	66	<10	60
L837872		<20	0.02	<10	<10	63	<10	53

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- OCT- 2011
Account: F

CERTIFICATE WH11169047

Project: Wolverine - Dade

P.O. No.: Trench F

This report is for 32 Rock samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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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.

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Finalized Date: 1- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169047

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
L837809		1.44	<0.005	0.2	0.85	17	<10	120	0.7	2	4.76	<0.5	8	8	8	3.39
L837810		2.31	<0.005	0.2	0.79	26	<10	720	0.7	<2	2.78	<0.5	8	14	5	3.35
L837811		0.21	1.030	4.7	1.47	22	<10	90	<0.5	7	0.74	2.1	10	40	>10000	3.61
L837812		1.78	<0.005	0.2	1.00	11	<10	260	0.5	2	0.92	<0.5	9	54	5	2.92
L837813		2.98	<0.005	0.3	0.93	3	<10	190	<0.5	2	0.80	<0.5	6	17	4	1.92
L837814		1.48	<0.005	<0.2	0.76	4	<10	350	<0.5	2	1.00	<0.5	6	12	6	2.41
L837815		1.37	<0.005	0.3	0.74	2	<10	590	<0.5	2	0.53	<0.5	4	2	3	1.80
L837816		3.30	<0.005	0.2	1.02	2	<10	170	<0.5	2	0.94	<0.5	6	15	6	2.30
L837817		2.51	<0.005	0.2	0.79	3	<10	170	<0.5	<2	0.60	<0.5	5	6	8	1.76
L837818		2.46	<0.005	<0.2	1.03	4	<10	170	<0.5	<2	0.92	<0.5	7	10	11	2.40
L837819		3.64	<0.005	0.2	0.90	2	<10	140	<0.5	2	0.93	<0.5	5	5	4	2.11
L837820		2.96	<0.005	<0.2	0.53	2	<10	130	<0.5	2	0.35	<0.5	3	6	4	1.39
L837821		2.36	<0.005	<0.2	0.93	9	<10	200	<0.5	2	0.73	<0.5	6	13	8	2.36
L837822		2.71	<0.005	<0.2	1.24	114	<10	210	0.6	2	0.64	<0.5	8	5	14	3.33
L837823		1.87	0.086	0.5	1.37	33	<10	250	1.0	3	5.26	<0.5	12	356	30	4.46
L837824		1.98	0.163	0.7	1.26	38	<10	260	1.0	4	4.99	<0.5	14	267	44	4.31
L837825		2.67	<0.005	0.2	1.02	19	<10	250	1.1	<2	2.58	<0.5	11	42	31	4.29
L837826		2.70	<0.005	<0.2	0.88	12	<10	240	0.6	<2	1.02	<0.5	7	5	10	3.20
L837827		3.86	0.012	0.2	0.81	14	<10	580	0.8	2	1.42	<0.5	10	12	7	3.60
L837828		3.86	0.262	0.9	0.89	151	<10	540	1.1	8	1.32	<0.5	16	133	184	6.54
L837829		4.01	0.055	0.9	0.46	303	<10	620	1.0	6	0.17	<0.5	16	1	21	1.08
L837830		3.77	2.40	14.3	0.63	9660	<10	210	0.7	80	0.17	2.0	159	5	205	6.04
L837831		3.34	2.64	20.9	0.72	6920	<10	230	0.8	85	0.16	2.3	177	5	279	7.23
L837832		2.54	0.005	0.2	0.04	62	<10	30	<0.5	4	19.2	<0.5	2	<1	9	0.43
L837833		3.23	0.605	6.8	0.94	5400	<10	150	0.6	23	0.82	<0.5	31	4	71	4.21
L837834		2.62	0.120	0.3	0.76	96	<10	150	0.5	3	0.73	<0.5	10	2	39	2.87
L837835		2.63	0.029	0.2	0.85	94	<10	670	0.8	3	2.51	<0.5	8	9	23	3.35
L837836		2.06	0.086	0.2	0.70	62	<10	290	0.6	3	2.71	<0.5	8	8	27	3.22
L837837		2.26	0.110	<0.2	1.01	120	<10	290	0.8	13	2.52	<0.5	11	11	38	4.58
L837838		2.84	0.038	<0.2	1.07	26	<10	170	0.5	3	1.24	<0.5	8	16	23	2.79
L837839		3.38	0.023	<0.2	1.61	52	<10	140	0.6	2	1.54	<0.5	9	6	29	3.92
L837840		1.87	0.049	<0.2	0.88	92	<10	150	0.5	4	0.87	<0.5	10	3	37	2.82

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VANCOUVER BC V6B 1L8

Finalized Date: 1- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169047

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
L837809		<10	1	0.13	10	1.20	1150	<1	0.05	4	1130	29	0.10	2	7	117
L837810		<10	<1	0.14	10	0.23	948	1	0.05	4	840	43	0.08	2	8	51
L837811		<10	<1	0.13	<10	0.66	392	213	0.10	26	540	38	1.65	21	4	40
L837812		<10	<1	0.18	10	0.52	713	1	0.08	15	710	25	0.03	3	9	24
L837813		<10	<1	0.17	10	0.54	480	1	0.14	4	800	40	0.03	3	4	33
L837814		<10	<1	0.15	10	0.33	630	1	0.10	4	1030	19	0.05	<2	6	45
L837815		<10	<1	0.20	10	0.30	380	1	0.11	<1	810	36	0.03	2	3	52
L837816		10	<1	0.19	10	0.62	527	2	0.14	4	1070	20	0.05	<2	5	32
L837817		<10	<1	0.15	10	0.40	363	1	0.13	2	720	26	0.10	2	3	29
L837818		<10	<1	0.16	10	0.60	518	1	0.15	4	1050	15	0.13	2	5	35
L837819		<10	<1	0.16	10	0.47	515	1	0.17	1	1070	20	0.05	2	5	32
L837820		<10	<1	0.14	10	0.17	342	1	0.08	2	440	14	0.01	<2	3	20
L837821		<10	<1	0.17	10	0.46	578	2	0.11	5	830	17	0.10	2	6	31
L837822		10	<1	0.13	10	0.56	712	3	0.09	6	1330	10	0.05	3	8	36
L837823		10	<1	0.12	10	2.11	1330	66	0.04	164	570	13	0.46	3	10	240
L837824		10	<1	0.12	10	2.11	1305	142	0.04	148	630	14	0.61	5	9	235
L837825		<10	<1	0.17	10	0.58	1160	102	0.07	39	1360	13	0.41	7	9	118
L837826		<10	<1	0.18	10	0.29	792	4	0.11	4	1350	12	0.06	3	9	41
L837827		<10	<1	0.23	10	0.24	848	2	0.07	13	1250	13	0.17	2	7	50
L837828		<10	<1	0.21	10	0.32	1190	111	0.04	98	1060	21	0.36	57	8	63
L837829		<10	<1	0.23	<10	0.04	389	11	0.03	2	300	38	0.04	11	2	29
L837830		<10	<1	0.11	<10	0.03	614	149	0.02	5	480	256	0.12	43	4	38
L837831		<10	<1	0.14	<10	0.04	586	184	0.03	6	490	436	0.12	63	4	52
L837832		<10	<1	0.02	<10	11.95	199	2	0.03	1	240	3	0.02	2	<1	51
L837833		10	<1	0.16	10	0.31	674	19	0.07	2	1290	109	0.25	9	10	44
L837834		<10	<1	0.12	10	0.27	573	3	0.07	1	970	24	0.06	3	6	31
L837835		<10	<1	0.15	10	0.34	758	8	0.05	3	770	16	0.11	10	8	60
L837836		<10	<1	0.16	10	0.21	787	8	0.06	5	1070	11	0.07	8	8	83
L837837		<10	<1	0.16	10	0.38	1040	5	0.06	11	1270	12	0.11	13	13	78
L837838		10	<1	0.14	10	0.55	585	4	0.11	5	1190	7	0.04	3	8	40
L837839		10	<1	0.11	10	0.90	901	2	0.14	2	1730	9	0.07	3	10	52
L837840		<10	<1	0.12	10	0.32	550	5	0.08	2	1190	8	0.09	3	6	32

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Finalized Date: 1- OCT- 2011
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Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169047

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Cu- OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.001
L837809		<20	0.01	<10	<10	57	<10	78	
L837810		<20	0.01	<10	<10	48	<10	84	
L837811		<20	0.11	<10	<10	54	<10	130	1.285
L837812		<20	0.04	<10	<10	56	<10	91	
L837813		<20	0.08	<10	<10	47	<10	49	
L837814		<20	0.04	<10	<10	49	<10	52	
L837815		<20	0.06	<10	<10	38	<10	61	
L837816		<20	0.13	<10	<10	58	<10	60	
L837817		<20	0.09	<10	<10	41	40	38	
L837818		<20	0.12	<10	<10	62	<10	47	
L837819		<20	0.10	<10	<10	52	<10	42	
L837820		<20	0.04	<10	<10	26	<10	33	
L837821		<20	0.06	<10	<10	53	<10	46	
L837822		<20	0.02	<10	<10	76	<10	61	
L837823		<20	0.01	<10	<10	139	<10	76	
L837824		<20	0.01	<10	<10	120	<10	71	
L837825		<20	0.01	<10	<10	124	<10	77	
L837826		<20	0.04	<10	<10	64	<10	59	
L837827		<20	0.01	<10	<10	57	<10	68	
L837828		<20	<0.01	<10	<10	97	<10	99	
L837829		<20	<0.01	<10	<10	7	<10	43	
L837830		<20	<0.01	<10	<10	26	<10	82	
L837831		<20	<0.01	<10	<10	28	<10	101	
L837832		<20	<0.01	<10	10	1	<10	15	
L837833		<20	0.01	<10	<10	68	10	48	
L837834		<20	0.01	<10	<10	53	<10	44	
L837835		<20	<0.01	<10	<10	56	<10	57	
L837836		<20	0.01	<10	<10	63	<10	48	
L837837		<20	0.01	<10	<10	88	<10	71	
L837838		<20	0.10	<10	<10	70	<10	44	
L837839		<20	0.11	<10	<10	100	<10	63	
L837840		<20	0.04	<10	<10	60	<10	43	

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

Finalized Date: 7- OCT- 2011
Account: F

CERTIFICATE WH11177062

Project: WLV - Dade

P.O. No.:

This report is for 20 Soil samples submitted to our lab in Whitehorse, YT, Canada on 28- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7- OCT- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11177062

Sample Description	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ28262	0.40	0.009	<0.2	1.45	9	<10	130	0.7	<2	0.29	<0.5	11	29	27	3.52
ZZ28263	0.26	0.005	<0.2	1.41	7	<10	140	0.8	<2	0.32	<0.5	10	28	25	3.40
ZZ28264	0.32	0.018	<0.2	1.39	8	<10	150	0.9	<2	0.39	<0.5	12	28	28	3.66
ZZ28265	0.30	0.003	<0.2	1.53	6	<10	160	1.0	<2	0.41	<0.5	11	30	29	3.65
ZZ28266	Not Recvd														
ZZ28267	0.32	0.007	<0.2	1.40	9	<10	120	0.8	<2	0.27	<0.5	11	28	27	3.58
ZZ28268	0.28	0.008	<0.2	1.46	5	<10	140	0.7	<2	0.32	<0.5	10	28	22	3.09
ZZ28269	0.26	0.005	<0.2	1.24	9	<10	110	0.5	<2	0.25	<0.5	9	26	19	2.85
ZZ28270	0.34	0.002	<0.2	1.06	4	<10	110	0.6	<2	0.32	<0.5	8	21	17	2.58
ZZ28167	0.32	0.002	<0.2	1.54	8	<10	140	<0.5	<2	0.35	<0.5	6	23	15	2.17
ZZ28168	0.34	0.003	<0.2	1.29	3	<10	330	<0.5	<2	0.56	<0.5	6	22	16	1.49
ZZ28169	0.46	0.027	<0.2	1.05	8	<10	220	<0.5	<2	0.44	<0.5	6	24	10	2.34
ZZ28170	0.36	0.008	<0.2	1.46	12	<10	440	0.5	<2	0.55	<0.5	5	23	17	3.08
ZZ28214	0.22	0.005	<0.2	0.96	13	<10	350	<0.5	<2	0.73	<0.5	3	16	16	2.32
ZZ28215	0.20	0.011	<0.2	0.99	7	<10	350	<0.5	<2	1.16	<0.5	7	19	15	1.94
ZZ28216	0.18	0.004	<0.2	1.13	6	<10	280	<0.5	<2	0.40	<0.5	7	18	14	1.99
ZZ28217	0.34	0.005	<0.2	1.08	6	<10	120	<0.5	<2	0.29	<0.5	7	16	7	2.53
ZZ28218	0.22	0.019	<0.2	1.38	8	<10	510	0.7	<2	0.63	<0.5	10	19	33	2.49
ZZ28219	0.20	0.004	<0.2	1.08	7	<10	390	<0.5	<2	1.34	<0.5	7	20	25	2.35
ZZ28220	0.28	0.002	<0.2	0.97	5	<10	40	<0.5	<2	0.31	<0.5	7	17	8	1.99

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11177062

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ28262		<10	<1	0.21	30	0.44	383	1	0.02	26	350	19	<0.01	<2	4	20
ZZ28263		<10	1	0.20	30	0.36	364	<1	0.02	24	310	12	<0.01	<2	5	21
ZZ28264		<10	1	0.16	30	0.37	330	<1	0.02	25	430	14	<0.01	<2	5	22
ZZ28265		<10	<1	0.22	30	0.39	350	<1	0.02	27	440	13	<0.01	<2	6	23
ZZ28266																
ZZ28267		10	<1	0.22	30	0.42	383	1	0.02	27	350	18	<0.01	<2	4	18
ZZ28268		<10	<1	0.22	20	0.39	358	<1	0.02	21	310	10	<0.01	<2	4	22
ZZ28269		<10	<1	0.15	20	0.37	315	<1	0.02	19	320	13	<0.01	<2	3	17
ZZ28270		<10	1	0.17	20	0.29	225	<1	0.03	17	430	7	<0.01	<2	3	20
ZZ28167		<10	1	0.06	10	0.44	390	<1	0.02	10	690	5	<0.01	<2	3	20
ZZ28168		<10	<1	0.04	10	0.38	380	<1	0.03	10	850	6	0.03	<2	4	40
ZZ28169		<10	<1	0.09	10	0.36	194	<1	0.02	9	800	7	<0.01	<2	4	25
ZZ28170		<10	1	0.09	20	0.38	278	<1	0.02	11	780	10	0.01	<2	5	36
ZZ28214		<10	<1	0.06	10	0.25	247	<1	0.02	8	750	6	0.06	<2	4	45
ZZ28215		<10	<1	0.05	10	0.30	403	1	0.02	11	590	6	0.05	<2	3	60
ZZ28216		<10	<1	0.06	10	0.29	275	<1	0.01	9	460	5	0.01	<2	3	28
ZZ28217		<10	<1	0.06	10	0.31	309	<1	0.01	7	500	5	<0.01	<2	3	18
ZZ28218		<10	<1	0.07	20	0.27	983	<1	0.01	11	530	8	0.01	<2	6	44
ZZ28219		<10	<1	0.07	10	0.31	313	<1	0.01	12	960	5	0.07	<2	5	71
ZZ28220		<10	<1	0.05	10	0.26	183	<1	0.01	9	610	5	<0.01	<2	2	17

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11177062

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ28262		<20	0.07	<10	<10	41	<10	109
ZZ28263		<20	0.06	<10	<10	41	<10	62
ZZ28264		<20	0.05	<10	<10	42	<10	66
ZZ28265		<20	0.05	<10	<10	42	<10	64
ZZ28266								
ZZ28267		<20	0.07	<10	<10	39	<10	82
ZZ28268		<20	0.07	<10	<10	42	<10	51
ZZ28269		<20	0.07	<10	<10	40	<10	61
ZZ28270		<20	0.06	<10	<10	34	<10	44
ZZ28167		<20	0.07	<10	<10	50	<10	47
ZZ28168		<20	0.05	<10	<10	42	<10	75
ZZ28169		<20	0.07	<10	<10	57	<10	46
ZZ28170		<20	0.05	<10	<10	62	<10	52
ZZ28214		<20	0.03	<10	<10	48	<10	37
ZZ28215		<20	0.04	<10	<10	43	<10	29
ZZ28216		<20	0.04	<10	<10	42	<10	30
ZZ28217		<20	0.05	<10	<10	60	<10	36
ZZ28218		<20	0.03	<10	<10	51	<10	33
ZZ28219		<20	0.03	<10	<10	43	<10	38
ZZ28220		<20	0.05	<10	<10	46	<10	22

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VANCOUVER BC V6B 1L8

Finalized Date: 9- OCT- 2011
Account: F

CERTIFICATE WH11170911

Project: Wolverine- DADE
P.O. No.:
This report is for 206 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- AUG- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29167		0.36	0.005	<0.2	1.56	9	<10	590	0.7	<2	0.64	<0.5	9	25	18	2.84
ZZ29168		0.36	0.008	<0.2	0.90	6	<10	320	<0.5	<2	0.43	<0.5	6	17	7	1.78
ZZ29169		0.28	0.013	<0.2	1.66	10	<10	230	<0.5	<2	0.37	<0.5	8	25	13	2.47
ZZ29170		0.20	0.003	<0.2	1.74	19	<10	640	0.8	<2	1.09	<0.5	9	22	22	2.74
ZZ29171		0.30	0.001	<0.2	1.60	8	<10	310	0.5	<2	0.44	<0.5	7	22	12	2.34
ZZ29172		0.26	0.001	<0.2	1.33	10	<10	160	<0.5	<2	0.31	<0.5	7	16	14	2.25
ZZ29173		0.28	0.003	<0.2	2.23	12	<10	170	<0.5	<2	0.21	0.5	10	28	19	2.84
ZZ29174		0.28	0.003	<0.2	1.76	6	<10	180	<0.5	<2	0.39	<0.5	7	22	11	2.32
ZZ29175		0.38	0.002	<0.2	1.51	4	<10	210	<0.5	<2	0.51	<0.5	7	23	22	1.84
ZZ29176		0.30	0.001	<0.2	1.33	6	<10	140	<0.5	<2	0.39	<0.5	6	21	12	2.06
ZZ29177		0.32	0.006	0.2	1.56	8	<10	190	<0.5	<2	0.44	<0.5	7	24	15	2.27
ZZ29178		0.32	0.004	<0.2	1.65	5	<10	270	<0.5	<2	0.72	<0.5	8	25	21	2.23
ZZ29179		0.38	0.003	<0.2	1.38	6	<10	180	<0.5	<2	0.58	<0.5	6	22	12	1.90
ZZ29180		0.28	0.001	<0.2	1.49	7	<10	230	<0.5	<2	0.59	<0.5	8	24	17	2.25
ZZ29181		0.20	0.002	<0.2	1.60	10	<10	90	<0.5	2	0.21	<0.5	6	24	13	2.57
ZZ29182		0.22	0.001	<0.2	2.27	10	<10	190	<0.5	<2	0.18	<0.5	8	23	12	2.65
ZZ29183		0.36	0.001	<0.2	1.91	7	<10	230	<0.5	<2	0.26	<0.5	8	23	16	2.23
ZZ29184		0.34	0.001	<0.2	1.49	5	<10	270	<0.5	<2	0.28	<0.5	6	19	11	2.01
ZZ29185		0.34	0.002	0.2	1.65	5	<10	530	0.5	<2	0.36	<0.5	8	19	10	3.31
ZZ29186		0.28	0.004	<0.2	1.80	7	<10	160	<0.5	2	0.28	<0.5	8	25	10	2.36
ZZ29187		0.36	0.001	<0.2	1.97	8	<10	170	<0.5	<2	0.26	<0.5	8	26	14	2.63
ZZ29188		0.34	0.002	0.2	2.02	8	<10	320	0.6	<2	0.27	<0.5	7	28	17	2.48
ZZ29189		0.28	0.002	<0.2	1.77	8	<10	770	0.5	<2	0.44	<0.5	6	27	13	2.51
ZZ29190		0.32	<0.001	<0.2	1.36	6	<10	500	0.5	<2	0.44	<0.5	7	22	11	2.45
ZZ29191		0.32	0.002	<0.2	1.11	6	<10	290	<0.5	<2	0.45	<0.5	6	17	9	2.13
ZZ29192		0.20	0.002	<0.2	1.47	4	<10	690	0.5	2	0.99	<0.5	6	21	22	1.95
ZZ29193		0.32	0.007	<0.2	0.98	11	<10	330	0.5	3	0.61	<0.5	8	16	8	2.58
ZZ29194		0.38	0.009	<0.2	1.21	9	<10	460	0.5	3	0.54	<0.5	6	20	11	2.38
ZZ29195		0.34	0.013	<0.2	1.30	12	<10	560	0.7	3	0.62	<0.5	7	21	13	2.37
ZZ29196		0.22	0.023	<0.2	1.24	14	<10	550	0.8	2	0.62	<0.5	8	20	12	2.63
ZZ29197		0.26	0.001	<0.2	1.47	10	<10	190	<0.5	2	0.36	<0.5	9	19	11	3.29
ZZ29198		0.30	0.005	<0.2	1.09	7	<10	400	0.5	2	0.56	<0.5	3	14	14	1.87
ZZ29199		0.22	0.009	0.2	1.27	15	<10	570	0.7	3	0.81	<0.5	6	17	17	2.32
ZZ29200		0.24	0.012	0.2	0.98	39	<10	390	<0.5	3	0.43	<0.5	5	10	8	2.15
ZZ29481		0.16	0.002	<0.2	1.56	2	<10	260	<0.5	3	1.09	<0.5	7	19	28	1.82
ZZ29482		0.28	0.001	<0.2	1.82	4	<10	210	<0.5	2	0.40	<0.5	7	25	12	2.06
ZZ29483		0.30	0.012	<0.2	1.51	4	<10	170	<0.5	2	0.48	<0.5	6	19	13	1.83
ZZ29484		0.26	0.003	<0.2	1.17	2	<10	130	<0.5	2	0.33	<0.5	5	17	6	1.46
ZZ29485		0.36	0.015	<0.2	1.76	5	<10	230	<0.5	3	0.57	<0.5	8	24	20	2.50
ZZ29486		0.18	0.001	<0.2	2.55	14	<10	260	0.6	3	0.68	<0.5	9	29	29	3.20

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VANCOUVER BC V6B 1L8

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29167		<10	<1	0.09	30	0.46	331	<1	0.02	13	630	7	0.03	<2	7	32
ZZ29168		<10	<1	0.06	10	0.33	399	<1	0.02	7	590	6	0.01	<2	3	23
ZZ29169		<10	1	0.06	10	0.46	332	<1	0.02	14	650	5	0.01	<2	3	23
ZZ29170		<10	<1	0.10	20	0.42	439	<1	0.01	13	890	8	0.04	<2	6	42
ZZ29171		<10	1	0.06	10	0.39	313	<1	0.02	11	580	9	0.01	2	4	23
ZZ29172		<10	<1	0.06	10	0.39	443	<1	0.01	8	710	35	<0.01	2	4	18
ZZ29173		10	<1	0.10	10	0.54	392	<1	0.01	18	370	14	0.01	<2	4	14
ZZ29174		<10	<1	0.06	10	0.47	292	<1	0.02	13	490	8	0.01	<2	4	26
ZZ29175		<10	<1	0.05	10	0.47	218	<1	0.02	13	680	14	0.02	<2	3	31
ZZ29176		<10	<1	0.06	10	0.43	260	<1	0.02	12	650	5	<0.01	<2	3	24
ZZ29177		<10	<1	0.06	10	0.49	318	<1	0.02	13	550	7	0.01	<2	3	26
ZZ29178		<10	<1	0.06	10	0.49	504	<1	0.02	12	780	7	0.03	<2	3	38
ZZ29179		<10	<1	0.06	10	0.46	304	<1	0.02	10	640	13	0.02	<2	3	30
ZZ29180		<10	<1	0.06	10	0.48	428	<1	0.02	11	630	11	0.02	<2	4	31
ZZ29181		<10	<1	0.06	10	0.38	185	<1	0.01	10	720	4	0.01	<2	3	15
ZZ29182		10	<1	0.08	10	0.49	247	<1	0.01	12	350	4	0.01	<2	3	27
ZZ29183		<10	<1	0.08	10	0.50	366	<1	0.02	14	520	3	<0.01	<2	4	21
ZZ29184		<10	<1	0.06	10	0.42	332	<1	0.02	10	440	3	<0.01	<2	4	17
ZZ29185		<10	<1	0.07	10	0.40	476	<1	0.02	6	440	5	0.01	<2	6	22
ZZ29186		<10	<1	0.08	10	0.46	278	<1	0.02	13	700	4	0.01	<2	3	18
ZZ29187		<10	1	0.05	10	0.45	248	<1	0.01	13	550	4	0.01	<2	3	19
ZZ29188		<10	<1	0.08	10	0.48	263	<1	0.01	13	540	6	0.01	<2	4	18
ZZ29189		<10	<1	0.08	10	0.48	212	<1	0.01	12	590	6	0.02	<2	4	28
ZZ29190		<10	<1	0.08	10	0.41	423	<1	0.02	10	620	4	0.01	<2	5	26
ZZ29191		<10	<1	0.07	10	0.39	294	<1	0.02	9	670	3	<0.01	<2	4	25
ZZ29192		<10	1	0.07	10	0.34	425	<1	0.02	13	880	8	0.09	<2	4	38
ZZ29193		<10	<1	0.07	10	0.29	589	<1	0.02	9	990	7	0.02	<2	5	28
ZZ29194		<10	1	0.07	10	0.34	351	<1	0.02	10	570	8	0.03	<2	5	28
ZZ29195		<10	1	0.10	10	0.32	496	<1	0.02	10	600	9	0.03	<2	5	34
ZZ29196		<10	1	0.10	10	0.32	543	<1	0.02	10	880	9	0.04	<2	5	36
ZZ29197		10	1	0.11	10	0.39	616	<1	0.02	9	790	7	0.01	<2	5	21
ZZ29198		<10	1	0.06	20	0.23	140	<1	0.02	6	740	3	0.05	<2	4	30
ZZ29199		<10	<1	0.09	20	0.29	436	<1	0.02	7	890	7	0.06	<2	4	43
ZZ29200		<10	1	0.06	10	0.13	305	<1	0.04	4	650	3	0.03	<2	3	25
ZZ29481		10	1	0.05	10	0.35	535	<1	0.03	9	910	5	0.09	<2	2	64
ZZ29482		10	<1	0.06	10	0.49	176	<1	0.02	12	550	8	0.02	<2	4	26
ZZ29483		<10	1	0.06	10	0.34	265	<1	0.02	8	580	5	0.03	<2	2	31
ZZ29484		<10	<1	0.05	10	0.44	144	<1	0.02	5	370	4	0.01	<2	3	21
ZZ29485		10	1	0.08	10	0.60	368	<1	0.02	11	520	7	0.02	<2	5	28
ZZ29486		10	1	0.11	10	0.55	575	<1	0.02	14	790	9	0.05	<2	5	44

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

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29167		<20	0.04	<10	<10	51	<10	50
ZZ29168		<20	0.05	<10	<10	36	<10	35
ZZ29169		<20	0.06	<10	<10	50	<10	49
ZZ29170		<20	0.02	<10	<10	48	<10	50
ZZ29171		<20	0.05	<10	<10	49	<10	51
ZZ29172		<20	0.03	<10	<10	45	<10	71
ZZ29173		<20	0.07	<10	<10	56	<10	73
ZZ29174		<20	0.05	<10	<10	49	<10	46
ZZ29175		<20	0.06	<10	<10	42	<10	40
ZZ29176		<20	0.06	<10	<10	45	<10	38
ZZ29177		<20	0.06	<10	<10	48	<10	44
ZZ29178		<20	0.05	<10	<10	48	<10	48
ZZ29179		<20	0.05	<10	<10	42	<10	52
ZZ29180		<20	0.06	<10	<10	50	<10	55
ZZ29181		<20	0.08	<10	<10	59	<10	41
ZZ29182		<20	0.06	<10	<10	56	<10	42
ZZ29183		<20	0.06	<10	<10	45	<10	49
ZZ29184		<20	0.05	<10	<10	41	<10	40
ZZ29185		<20	0.04	<10	<10	62	<10	54
ZZ29186		<20	0.08	<10	<10	48	<10	41
ZZ29187		<20	0.07	<10	<10	54	<10	40
ZZ29188		<20	0.08	<10	<10	54	<10	45
ZZ29189		<20	0.05	<10	<10	49	<10	45
ZZ29190		<20	0.05	<10	<10	47	<10	46
ZZ29191		<20	0.05	<10	<10	43	<10	43
ZZ29192		<20	0.03	<10	<10	48	<10	50
ZZ29193		<20	0.03	<10	<10	43	<10	53
ZZ29194		<20	0.03	<10	<10	42	<10	45
ZZ29195		<20	0.03	<10	<10	38	<10	51
ZZ29196		<20	0.02	<10	<10	43	<10	67
ZZ29197		<20	0.06	<10	<10	64	<10	55
ZZ29198		<20	0.03	<10	<10	34	<10	48
ZZ29199		<20	0.02	<10	<10	36	<10	70
ZZ29200		<20	0.04	<10	<10	47	<10	38
ZZ29481		<20	0.04	<10	<10	40	<10	38
ZZ29482		<20	0.07	<10	<10	54	<10	48
ZZ29483		<20	0.05	<10	<10	42	<10	41
ZZ29484		<20	0.05	<10	<10	33	<10	38
ZZ29485		<20	0.05	<10	<10	51	<10	48
ZZ29486		<20	0.05	<10	<10	67	<10	59

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VANCOUVER BC V6B 1L8

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ29487		0.18	0.004	<0.2	1.61	6	<10	180	<0.5	3	0.37	<0.5	6	20	11	2.27
ZZ29488		0.22	0.006	<0.2	1.47	8	<10	130	<0.5	3	0.20	<0.5	6	23	11	2.42
ZZ29489		0.26	0.003	<0.2	1.27	8	<10	90	<0.5	3	0.21	<0.5	6	19	9	2.13
ZZ29490		0.24	0.003	<0.2	1.52	5	<10	130	<0.5	3	0.28	<0.5	7	19	10	2.14
DD022751		0.26	0.003	<0.2	0.98	8	<10	70	<0.5	3	0.18	0.5	5	17	9	1.90
DD022752		0.28	0.003	<0.2	1.28	2	<10	220	<0.5	2	0.45	<0.5	6	20	10	1.80
DD022753		0.24	0.005	<0.2	0.96	<2	<10	100	<0.5	2	0.34	<0.5	4	17	8	1.27
DD022754		0.20	0.002	<0.2	1.58	3	<10	300	<0.5	3	0.31	<0.5	7	21	19	1.77
DD022755		0.34	0.017	0.4	0.89	24	<10	300	1.1	3	0.48	<0.5	22	12	60	5.93
DD022756		0.26	0.003	<0.2	1.53	7	<10	190	<0.5	3	0.48	<0.5	7	21	16	2.39
DD022757		0.34	0.005	<0.2	1.80	7	<10	380	<0.5	3	0.49	<0.5	8	29	14	2.42
DD022758		0.18	0.007	<0.2	1.36	5	<10	190	<0.5	3	0.36	<0.5	6	21	11	2.12
DD022759		0.20	0.002	<0.2	1.56	8	<10	80	<0.5	3	0.19	<0.5	6	22	9	2.22
DD022760		0.18	0.007	<0.2	1.85	6	<10	510	<0.5	2	0.55	<0.5	7	19	11	2.44
DD022761		0.20	0.008	<0.2	1.48	5	<10	180	<0.5	3	0.54	<0.5	6	17	10	2.39
DD022762		0.36	0.002	<0.2	1.42	7	<10	180	<0.5	3	0.48	<0.5	7	22	13	1.99
DD022763		0.28	0.004	<0.2	1.32	5	<10	180	<0.5	3	0.49	<0.5	6	16	12	2.09
DD022764		0.26	0.005	<0.2	1.55	13	<10	210	<0.5	3	0.39	<0.5	8	17	11	2.96
DD022765		0.30	0.004	<0.2	1.78	6	<10	190	<0.5	3	0.30	<0.5	8	24	11	2.53
DD022766		0.28	0.005	<0.2	0.92	3	<10	150	<0.5	2	0.27	<0.5	4	10	10	1.22
DD022767		0.28	0.007	<0.2	0.89	11	<10	240	<0.5	3	0.53	<0.5	6	22	15	2.35
DD022768		0.28	0.011	<0.2	0.81	2	<10	250	<0.5	<2	0.38	<0.5	4	12	9	1.24
DD022769		0.10	0.004	<0.2	1.04	<2	<10	620	<0.5	<2	1.20	<0.5	6	12	20	1.45
DD022770		0.34	0.004	<0.2	0.87	3	<10	220	<0.5	<2	0.32	<0.5	5	17	7	1.78
DD022771		0.34	0.008	<0.2	0.91	2	<10	360	<0.5	<2	0.41	<0.5	5	16	9	1.82
DD022772		0.28	0.001	<0.2	0.64	<2	<10	240	<0.5	<2	0.36	<0.5	5	15	5	1.79
DD022773		0.30	0.008	<0.2	1.17	5	<10	330	<0.5	<2	0.40	<0.5	8	19	13	2.21
DD022774		0.24	0.004	<0.2	1.07	3	<10	260	<0.5	<2	0.23	<0.5	5	17	19	2.12
DD022775		0.18	0.002	0.2	1.62	7	<10	170	<0.5	<2	0.17	<0.5	8	26	12	2.86
DD022776		0.16	0.002	<0.2	1.49	7	<10	140	<0.5	<2	0.19	<0.5	6	24	12	2.77
DD022777		0.30	0.002	<0.2	1.33	3	<10	410	<0.5	<2	0.64	<0.5	8	20	10	2.09
DD022778		0.30	0.001	<0.2	1.26	5	<10	220	<0.5	<2	0.34	<0.5	7	21	11	2.09
DD022779		0.28	0.023	<0.2	1.08	2	<10	280	<0.5	<2	0.67	<0.5	7	17	15	1.83
DD022780		0.28	0.002	<0.2	1.73	4	<10	250	<0.5	<2	0.55	<0.5	9	28	17	2.59
DD022781		0.20	0.004	<0.2	1.37	<2	<10	420	0.5	<2	1.37	<0.5	10	19	26	1.95
DD022782		0.18	0.002	<0.2	1.31	3	<10	340	<0.5	<2	0.82	<0.5	7	16	20	1.96
DD022783		0.28	0.002	<0.2	1.68	4	<10	260	<0.5	<2	0.47	<0.5	11	26	15	2.56
DD022784		0.16	0.003	<0.2	1.57	2	<10	360	0.5	<2	0.67	<0.5	9	22	34	2.39
DD022785		0.34	0.024	<0.2	1.40	4	<10	170	<0.5	<2	0.41	<0.5	8	24	20	2.47
DD022786		0.26	0.003	<0.2	1.52	3	<10	110	<0.5	<2	0.24	<0.5	6	22	13	2.34

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1016- 510 W HASTINGS ST
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Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29487		10	1	0.11	10	0.40	264	<1	0.02	9	400	6	0.02	<2	3	27
ZZ29488		10	<1	0.10	10	0.40	363	<1	0.01	10	320	6	0.01	<2	3	16
ZZ29489		<10	1	0.07	10	0.36	153	<1	0.01	10	500	12	0.01	<2	2	15
ZZ29490		<10	1	0.08	10	0.44	350	<1	0.02	9	460	16	0.01	<2	3	20
DD022751		<10	<1	0.05	10	0.29	189	<1	0.02	7	410	16	0.02	<2	2	19
DD022752		<10	<1	0.05	10	0.39	152	<1	0.02	9	670	4	0.03	<2	3	23
DD022753		<10	<1	0.04	10	0.31	148	<1	0.02	6	750	2	0.02	<2	2	20
DD022754		<10	1	0.05	10	0.35	344	<1	0.02	10	820	5	0.04	<2	3	20
DD022755		<10	1	0.11	10	0.23	941	1	0.02	9	620	13	0.11	15	14	18
DD022756		10	1	0.06	10	0.35	244	<1	0.03	8	570	6	0.02	<2	3	21
DD022757		<10	<1	0.05	10	0.49	307	<1	0.02	14	640	5	0.02	<2	5	23
DD022758		<10	1	0.04	10	0.34	293	<1	0.02	9	780	3	0.02	<2	3	40
DD022759		<10	<1	0.05	10	0.33	153	<1	0.02	9	380	6	0.02	<2	2	14
DD022760		<10	1	0.07	10	0.62	496	<1	0.02	9	830	7	0.03	<2	3	46
DD022761		<10	<1	0.05	10	0.35	279	<1	0.02	7	600	4	0.02	<2	2	24
DD022762		<10	1	0.07	10	0.46	273	<1	0.02	11	650	5	0.02	<2	3	23
DD022763		<10	1	0.06	10	0.40	331	<1	0.02	7	560	5	0.02	<2	3	24
DD022764		<10	1	0.08	10	0.46	499	<1	0.02	8	480	8	0.01	<2	4	26
DD022765		10	1	0.07	10	0.48	301	<1	0.02	11	270	6	0.01	<2	4	20
DD022766		<10	<1	0.05	10	0.18	274	<1	0.03	4	510	2	0.04	<2	1	21
DD022767		<10	1	0.11	10	0.29	220	<1	0.03	10	1020	6	0.03	<2	5	34
DD022768		<10	<1	0.04	10	0.18	122	<1	0.05	5	380	3	0.04	<2	2	30
DD022769		<10	<1	0.05	10	0.16	330	<1	0.05	8	800	3	0.11	<2	2	101
DD022770		<10	<1	0.05	10	0.30	224	<1	0.03	7	390	7	0.02	<2	2	24
DD022771		<10	<1	0.06	10	0.25	299	<1	0.03	7	390	6	0.03	<2	2	33
DD022772		<10	<1	0.05	10	0.25	273	<1	0.03	6	450	12	0.03	<2	2	26
DD022773		<10	<1	0.05	10	0.33	351	1	0.03	8	530	32	0.03	<2	2	31
DD022774		10	<1	0.05	10	0.21	164	<1	0.03	7	200	6	0.02	<2	2	23
DD022775		10	<1	0.08	10	0.37	249	<1	0.03	12	440	16	0.02	<2	2	17
DD022776		10	<1	0.06	10	0.31	177	<1	0.03	9	410	6	0.03	<2	2	18
DD022777		<10	<1	0.06	10	0.37	494	<1	0.04	11	490	4	0.04	<2	3	33
DD022778		<10	<1	0.06	10	0.43	275	<1	0.04	12	370	4	0.03	<2	3	22
DD022779		<10	<1	0.06	10	0.33	329	<1	0.04	8	530	4	0.05	<2	3	33
DD022780		10	<1	0.06	10	0.52	335	<1	0.04	13	430	5	0.03	<2	4	31
DD022781		<10	<1	0.05	10	0.34	497	<1	0.05	11	920	4	0.10	<2	3	61
DD022782		<10	<1	0.06	10	0.32	390	<1	0.05	10	750	4	0.06	<2	4	40
DD022783		10	<1	0.06	10	0.50	559	<1	0.03	12	380	8	0.03	<2	3	29
DD022784		10	<1	0.08	20	0.39	579	<1	0.04	11	920	7	0.07	<2	3	41
DD022785		10	<1	0.07	10	0.40	373	<1	0.03	12	680	3	0.03	<2	2	25
DD022786		10	<1	0.08	10	0.43	223	<1	0.03	13	440	6	0.03	<2	3	17

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CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29487		<20	0.06	<10	<10	54	<10	58
ZZ29488		<20	0.09	<10	<10	59	<10	39
ZZ29489		<20	0.06	<10	<10	47	<10	32
ZZ29490		<20	0.07	<10	<10	51	<10	45
DD022751		<20	0.07	<10	<10	52	<10	76
DD022752		<20	0.05	<10	<10	41	<10	38
DD022753		<20	0.05	<10	<10	32	<10	28
DD022754		<20	0.04	<10	<10	43	<10	39
DD022755		<20	0.01	<10	<10	80	<10	93
DD022756		<20	0.06	<10	<10	58	<10	39
DD022757		<20	0.07	<10	<10	54	<10	41
DD022758		<20	0.05	<10	<10	50	<10	31
DD022759		<20	0.07	<10	<10	48	<10	32
DD022760		<20	0.04	<10	<10	54	<10	48
DD022761		<20	0.05	<10	<10	54	<10	38
DD022762		<20	0.06	<10	<10	44	<10	38
DD022763		<20	0.05	<10	<10	46	<10	38
DD022764		<20	0.04	<10	<10	55	<10	48
DD022765		<20	0.07	<10	<10	56	<10	44
DD022766		<20	0.04	<10	<10	28	<10	21
DD022767		<20	0.04	<10	<10	45	<10	54
DD022768		<20	0.03	<10	<10	28	<10	23
DD022769		<20	0.04	<10	<10	31	<10	32
DD022770		<20	0.05	<10	<10	41	<10	31
DD022771		<20	0.04	<10	<10	42	<10	39
DD022772		<20	0.04	<10	<10	40	<10	40
DD022773		<20	0.05	<10	<10	49	<10	61
DD022774		<20	0.08	<10	<10	66	<10	28
DD022775		<20	0.09	<10	<10	62	<10	68
DD022776		<20	0.08	<10	<10	62	<10	31
DD022777		<20	0.04	<10	<10	38	<10	38
DD022778		<20	0.05	<10	<10	44	<10	39
DD022779		<20	0.04	<10	<10	38	<10	37
DD022780		<20	0.06	<10	<10	58	<10	48
DD022781		<20	0.04	<10	<10	41	<10	35
DD022782		<20	0.03	<10	<10	41	<10	41
DD022783		<20	0.06	<10	<10	59	<10	57
DD022784		<20	0.04	<10	<10	54	<10	65
DD022785		<20	0.06	<10	<10	59	<10	45
DD022786		<20	0.08	<10	<10	54	<10	42

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

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022787		0.34	0.002	<0.2	1.76	7	<10	130	<0.5	<2	0.26	<0.5	10	23	16	2.47
DD022788		0.30	0.002	<0.2	1.57	4	<10	130	<0.5	<2	0.27	<0.5	8	23	14	2.25
DD022789		0.22	0.013	<0.2	1.17	<2	<10	130	<0.5	<2	0.46	<0.5	7	25	15	2.52
DD022790		0.28	0.004	<0.2	1.35	2	<10	160	<0.5	<2	0.46	<0.5	8	22	15	2.04
DD022791		0.30	0.016	<0.2	1.40	2	<10	180	<0.5	<2	0.47	<0.5	7	22	12	1.78
DD022792		0.34	0.003	<0.2	1.13	<2	<10	180	<0.5	<2	0.36	<0.5	6	19	8	1.47
DD022793		0.24	0.002	<0.2	1.11	2	<10	130	<0.5	<2	0.34	<0.5	6	17	11	1.71
DD022794		0.16	0.002	<0.2	1.55	2	<10	250	<0.5	<2	0.75	<0.5	8	18	21	2.12
DD022795		0.22	0.004	<0.2	1.59	5	<10	260	<0.5	<2	0.70	<0.5	10	22	25	2.33
DD022796		0.24	0.002	<0.2	1.45	<2	<10	150	<0.5	<2	0.53	<0.5	7	19	17	1.89
DD022797		0.26	0.005	<0.2	1.17	3	<10	160	<0.5	<2	0.49	<0.5	7	19	12	1.83
DD022798		0.18	0.001	<0.2	1.14	4	<10	80	<0.5	<2	0.25	<0.5	6	18	9	1.92
DD022799		0.24	0.010	<0.2	1.20	3	<10	210	<0.5	<2	0.60	<0.5	6	17	17	1.97
DD022800		0.26	0.004	<0.2	1.33	5	<10	220	<0.5	<2	0.65	<0.5	9	20	18	2.19
DD022801		0.30	0.004	<0.2	1.64	4	<10	400	<0.5	<2	0.51	<0.5	8	22	17	2.41
DD022802		0.30	0.004	<0.2	1.18	3	<10	230	<0.5	<2	0.38	<0.5	7	18	13	1.90
DD022803		0.26	0.002	<0.2	1.78	7	<10	140	<0.5	<2	0.17	<0.5	7	26	8	2.86
DD022804		0.40	0.004	<0.2	1.65	7	<10	320	0.5	<2	0.59	0.5	7	23	15	2.39
DD022805		0.28	0.003	<0.2	2.10	9	<10	440	0.5	<2	0.56	0.8	11	24	20	2.67
DD022806		0.38	0.004	<0.2	1.70	8	<10	390	0.5	<2	0.59	0.5	9	23	19	2.10
DD022807		0.20	0.005	<0.2	1.34	4	<10	510	<0.5	<2	1.02	0.5	6	20	19	1.53
DD022808		0.24	0.006	<0.2	1.79	8	<10	270	<0.5	<2	0.71	0.7	10	20	20	2.75
DD022809		0.30	0.008	<0.2	1.38	5	<10	170	<0.5	<2	0.44	0.5	7	20	15	1.78
DD022810		0.28	0.005	<0.2	1.25	6	<10	150	<0.5	<2	0.46	<0.5	6	16	15	1.84
DD022811		0.24	0.006	0.2	1.48	11	<10	400	0.5	2	1.02	<0.5	7	20	25	2.31
DD022812		0.26	0.005	0.2	1.28	18	<10	330	<0.5	2	0.72	<0.5	8	18	17	2.25
DD022813		0.20	0.004	0.3	1.58	8	<10	480	0.5	2	1.07	<0.5	6	17	23	2.21
DD022814		0.30	0.003	0.3	1.34	5	<10	260	<0.5	2	0.37	<0.5	8	18	13	2.28
DD022815		0.34	0.003	<0.2	2.05	8	<10	180	0.5	2	0.18	<0.5	12	19	15	3.01
DD022816		0.30	0.007	<0.2	1.42	7	<10	150	<0.5	3	0.25	<0.5	9	21	11	2.83
DD022817		0.30	0.004	0.3	1.73	5	<10	370	0.5	2	0.47	<0.5	12	19	19	3.69
DD022818		0.34	0.006	<0.2	1.30	5	<10	220	<0.5	2	0.25	<0.5	6	20	15	2.48
DD022819		0.20	0.002	<0.2	2.26	7	<10	210	0.6	3	0.23	0.7	10	21	27	3.41
DD022820		0.22	0.003	0.2	1.24	6	<10	280	0.8	3	0.30	0.5	15	9	26	4.29
DD022821		0.28	0.003	<0.2	1.35	4	<10	170	<0.5	2	0.36	<0.5	11	17	13	3.24
DD022822		0.28	0.004	<0.2	1.60	3	<10	350	<0.5	2	0.45	<0.5	10	22	16	2.68
DD022823		0.32	0.015	<0.2	1.29	6	<10	290	<0.5	2	0.38	<0.5	7	21	16	1.99
DD022824		0.28	0.002	<0.2	1.33	3	<10	230	<0.5	3	0.61	<0.5	7	18	13	2.32
DD022825		0.26	0.002	<0.2	1.35	7	<10	290	<0.5	3	0.56	<0.5	7	20	15	2.21
DD022826		0.28	0.003	<0.2	1.24	4	<10	230	<0.5	2	0.51	<0.5	5	21	11	1.72

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Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD022787		<10	1	0.09	10	0.46	323	<1	0.04	15	570	7	0.04	2	3	18
DD022788		10	<1	0.06	10	0.43	254	<1	0.03	12	580	5	0.04	<2	3	18
DD022789		<10	<1	0.07	10	0.42	260	<1	0.04	11	910	4	0.03	<2	3	27
DD022790		<10	<1	0.06	10	0.43	235	<1	0.04	11	650	9	0.04	2	3	23
DD022791		<10	<1	0.06	10	0.43	201	<1	0.04	11	720	5	0.06	<2	3	26
DD022792		<10	<1	0.06	10	0.40	163	<1	0.04	10	600	2	0.03	<2	2	22
DD022793		<10	<1	0.05	10	0.32	286	<1	0.04	9	590	2	0.05	<2	2	26
DD022794		10	1	0.05	10	0.40	353	<1	0.04	9	940	3	0.07	<2	3	42
DD022795		<10	<1	0.06	10	0.52	597	<1	0.05	12	760	4	0.06	<2	4	39
DD022796		<10	<1	0.05	10	0.40	296	<1	0.04	9	620	4	0.05	<2	3	31
DD022797		<10	<1	0.04	10	0.38	260	<1	0.04	10	650	3	0.04	<2	2	26
DD022798		<10	<1	0.05	10	0.30	139	<1	0.03	9	620	4	0.03	<2	2	19
DD022799		<10	<1	0.07	10	0.39	274	<1	0.04	8	590	29	0.06	<2	3	31
DD022800		<10	<1	0.07	10	0.41	468	<1	0.04	9	640	8	0.06	<2	4	36
DD022801		10	<1	0.06	10	0.48	308	<1	0.04	12	610	8	0.04	<2	4	26
DD022802		<10	<1	0.05	10	0.36	426	<1	0.04	10	630	7	0.03	<2	3	22
DD022803		10	<1	0.07	10	0.42	234	<1	0.03	11	260	7	0.03	<2	3	15
DD022804		<10	<1	0.10	20	0.55	352	<1	0.02	11	700	5	0.01	<2	6	29
DD022805		10	<1	0.07	10	0.67	299	<1	0.02	12	550	9	0.03	<2	7	29
DD022806		<10	<1	0.06	10	0.51	450	<1	0.02	12	740	6	0.03	<2	5	30
DD022807		<10	<1	0.05	10	0.37	341	<1	0.02	10	990	5	0.09	<2	3	47
DD022808		<10	<1	0.08	10	0.54	528	<1	0.02	11	690	5	0.04	2	5	43
DD022809		<10	<1	0.06	10	0.40	289	<1	0.01	10	610	3	0.02	<2	4	26
DD022810		<10	<1	0.05	10	0.31	294	<1	0.02	10	600	3	0.02	<2	2	28
DD022811		<10	<1	0.07	20	0.43	480	1	0.02	13	850	8	0.07	<2	4	47
DD022812		<10	<1	0.07	10	0.36	469	<1	0.02	9	670	10	0.04	<2	4	35
DD022813		<10	<1	0.08	10	0.36	312	<1	0.02	9	850	8	0.07	2	4	38
DD022814		<10	<1	0.07	10	0.45	418	<1	0.01	10	640	11	0.02	<2	4	23
DD022815		<10	<1	0.09	10	0.44	530	<1	0.01	14	450	11	0.01	<2	5	15
DD022816		10	<1	0.09	10	0.45	449	<1	0.01	12	550	8	0.02	<2	3	18
DD022817		10	<1	0.10	10	0.57	680	1	0.01	12	600	10	0.02	2	6	32
DD022818		<10	1	0.07	10	0.36	259	1	0.01	10	470	8	0.01	<2	2	21
DD022819		10	1	0.07	10	0.68	589	<1	0.01	11	300	10	0.01	3	4	19
DD022820		<10	<1	0.07	20	0.34	1550	<1	0.01	5	600	25	0.01	8	7	18
DD022821		<10	1	0.05	10	0.48	356	<1	0.01	9	740	12	0.01	2	5	21
DD022822		<10	1	0.05	10	0.49	587	<1	0.02	13	620	8	0.02	2	4	25
DD022823		<10	<1	0.06	10	0.41	507	<1	0.01	10	430	10	0.02	<2	5	23
DD022824		<10	1	0.05	10	0.44	439	<1	0.01	10	720	5	0.03	<2	4	30
DD022825		<10	1	0.04	10	0.42	414	<1	0.01	9	730	7	0.03	<2	4	27
DD022826		<10	<1	0.04	10	0.41	202	<1	0.01	9	720	6	0.03	<2	2	33

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Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
DD022787		<20	0.07	<10	<10	52	<10	44
DD022788		<20	0.07	<10	<10	51	<10	40
DD022789		<20	0.08	<10	<10	62	<10	41
DD022790		<20	0.06	<10	<10	44	<10	44
DD022791		<20	0.05	<10	<10	40	<10	41
DD022792		<20	0.07	<10	<10	36	<10	34
DD022793		<20	0.05	<10	<10	40	<10	34
DD022794		<20	0.04	<10	<10	47	<10	37
DD022795		<20	0.04	<10	<10	49	<10	40
DD022796		<20	0.05	<10	<10	42	<10	34
DD022797		<20	0.05	<10	<10	40	<10	32
DD022798		<20	0.06	<10	<10	44	<10	29
DD022799		<20	0.04	<10	<10	41	<10	50
DD022800		<20	0.05	<10	<10	48	<10	46
DD022801		<20	0.05	<10	<10	50	<10	43
DD022802		<20	0.05	<10	<10	40	<10	32
DD022803		<20	0.09	<10	<10	69	<10	39
DD022804		<20	0.06	<10	<10	50	<10	46
DD022805		<20	0.04	<10	<10	62	<10	58
DD022806		<20	0.04	<10	<10	56	<10	46
DD022807		<20	0.04	<10	<10	43	<10	51
DD022808		<20	0.04	<10	<10	57	<10	54
DD022809		<20	0.05	<10	<10	45	<10	39
DD022810		<20	0.05	<10	<10	44	<10	35
DD022811		<20	0.04	<10	<10	48	<10	53
DD022812		<20	0.04	<10	<10	46	<10	55
DD022813		<20	0.03	<10	<10	43	<10	54
DD022814		<20	0.04	<10	<10	45	<10	48
DD022815		<20	0.04	<10	<10	51	<10	54
DD022816		<20	0.06	<10	<10	57	<10	57
DD022817		<20	0.03	<10	<10	60	<10	72
DD022818		<20	0.04	<10	<10	49	<10	45
DD022819		<20	0.03	<10	<10	61	<10	117
DD022820		<20	0.01	<10	<10	68	<10	102
DD022821		<20	0.03	<10	<10	59	<10	63
DD022822		<20	0.04	<10	<10	55	<10	41
DD022823		<20	0.05	<10	<10	48	<10	50
DD022824		<20	0.04	<10	<10	48	<10	45
DD022825		<20	0.04	<10	<10	47	<10	40
DD022826		<20	0.05	<10	<10	40	<10	41

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CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022827		0.30	0.003	<0.2	1.37	3	<10	180	<0.5	2	0.35	<0.5	6	24	11	1.24
DD022828		0.32	0.006	<0.2	1.33	8	<10	140	<0.5	3	0.35	<0.5	5	22	8	2.01
DD022829		0.28	0.002	0.2	1.21	<2	<10	190	<0.5	2	0.39	<0.5	5	19	9	1.24
DD022830		0.30	0.005	<0.2	1.44	3	<10	220	<0.5	3	0.54	<0.5	6	20	12	2.21
DD022831		0.34	0.023	<0.2	1.44	9	<10	250	0.5	3	0.34	<0.5	8	21	13	2.51
DD022832		0.26	0.003	<0.2	1.39	4	<10	240	<0.5	2	0.59	<0.5	7	22	20	2.33
DD022833		0.24	0.013	<0.2	1.26	4	<10	110	<0.5	2	0.38	<0.5	7	24	11	2.38
DD022834		0.26	0.002	<0.2	1.08	3	<10	120	<0.5	3	0.52	<0.5	6	22	13	1.78
DD022835		0.36	0.001	<0.2	1.51	5	<10	200	<0.5	2	0.52	<0.5	7	36	23	2.17
DD022836		0.36	0.002	<0.2	1.50	7	<10	140	<0.5	2	0.30	<0.5	8	25	16	2.08
DD022837		0.32	0.007	<0.2	1.65	23	<10	430	0.8	2	0.54	<0.5	10	26	21	3.77
DD022838		0.24	0.007	<0.2	1.94	10	<10	180	<0.5	3	0.29	<0.5	9	29	17	2.87
DD022839		0.30	0.005	<0.2	2.07	11	<10	170	<0.5	2	0.29	<0.5	8	25	18	2.58
DD022840		0.26	0.004	<0.2	1.27	7	<10	110	<0.5	<2	0.29	<0.5	7	19	12	2.05
DD022841		0.16	0.004	<0.2	1.00	<2	<10	380	<0.5	<2	0.81	<0.5	4	13	20	1.17
DD022842		0.28	0.003	<0.2	1.44	7	<10	470	<0.5	2	0.95	<0.5	8	23	21	2.28
DD022843		0.36	0.002	<0.2	0.90	5	<10	200	<0.5	3	0.41	<0.5	4	17	9	1.68
DD022844		0.18	0.001	0.2	0.93	3	<10	410	<0.5	3	0.64	<0.5	2	7	10	1.15
DD022845		0.40	0.003	<0.2	1.38	10	<10	400	0.5	2	0.56	<0.5	7	21	15	2.44
DD022846		0.22	0.002	0.2	1.23	9	<10	490	<0.5	2	1.07	<0.5	7	19	17	2.21
DD022847		0.34	0.007	<0.2	1.22	6	<10	440	<0.5	<2	0.74	<0.5	7	20	15	2.06
DD022848		0.30	0.003	<0.2	1.35	5	<10	390	0.5	<2	0.79	<0.5	7	20	17	2.47
DD022849		0.30	0.003	<0.2	1.23	6	<10	450	<0.5	<2	0.62	<0.5	6	18	16	1.99
DD022850		0.32	0.003	<0.2	1.18	3	<10	430	<0.5	<2	0.42	<0.5	5	19	14	1.97
DD022851		0.38	0.004	0.2	1.73	5	<10	670	0.6	<2	0.53	<0.5	6	21	21	2.69
DD022852		0.32	0.004	<0.2	1.57	6	<10	470	<0.5	<2	0.56	<0.5	9	20	20	2.60
DD022853		0.46	0.002	<0.2	1.22	7	<10	400	<0.5	<2	0.40	<0.5	8	19	11	1.96
DD022854		0.28	0.001	<0.2	1.01	3	<10	210	<0.5	<2	0.41	<0.5	7	12	16	1.41
DD022855		0.28	0.003	<0.2	1.49	5	<10	110	<0.5	<2	0.16	<0.5	9	13	14	2.29
DD022856		0.28	0.001	<0.2	1.50	7	<10	190	<0.5	<2	0.24	<0.5	5	15	11	3.20
DD022857		0.28	0.001	<0.2	1.99	6	<10	140	<0.5	<2	0.10	<0.5	11	9	9	4.42
DD022858		0.44	0.003	<0.2	1.28	4	<10	130	<0.5	<2	0.34	<0.5	6	12	10	2.32
DD022859		0.24	0.008	<0.2	1.16	6	<10	120	<0.5	<2	0.44	<0.5	5	15	13	1.74
DD022860		0.24	0.003	<0.2	1.25	7	<10	130	<0.5	<2	0.34	<0.5	7	16	14	1.98
DD022881		0.30	0.005	<0.2	1.06	6	<10	530	<0.5	<2	0.36	<0.5	5	19	11	1.58
DD022882		0.26	0.007	<0.2	1.12	4	<10	450	<0.5	<2	0.79	<0.5	7	16	15	1.78
DD022883		0.28	0.006	<0.2	1.63	4	<10	580	0.5	2	0.79	<0.5	8	19	22	2.30
DD022884		0.26	0.002	<0.2	1.24	4	<10	100	<0.5	<2	0.23	<0.5	6	15	11	1.93
DD022885		0.22	0.002	0.2	1.80	3	<10	600	0.5	<2	0.96	<0.5	8	20	28	2.39
DD022886		0.26	0.003	<0.2	1.78	8	<10	220	<0.5	<2	0.32	<0.5	9	23	17	2.66

ALS Minerals

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

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
DD022827		<10	<1	0.05	10	0.38	119	<1	0.01	11	660	6	0.01	<2	4	23
DD022828		<10	<1	0.05	10	0.41	145	<1	0.01	11	750	5	0.02	<2	3	24
DD022829		<10	1	0.04	10	0.36	121	<1	0.01	9	590	5	0.03	<2	3	25
DD022830		<10	1	0.06	10	0.49	422	<1	0.01	9	610	21	0.03	<2	4	31
DD022831		<10	1	0.08	10	0.45	383	<1	0.01	14	460	8	0.02	<2	4	24
DD022832		<10	<1	0.05	10	0.35	399	<1	0.02	12	810	8	0.04	<2	2	35
DD022833		<10	<1	0.06	10	0.40	366	<1	0.02	12	1020	8	0.02	<2	3	26
DD022834		<10	<1	0.06	10	0.41	170	<1	0.02	11	920	6	0.02	<2	2	29
DD022835		<10	<1	0.06	10	0.65	258	<1	0.02	22	760	5	0.01	<2	5	33
DD022836		<10	<1	0.07	10	0.45	254	<1	0.01	16	580	5	0.01	<2	4	21
DD022837		<10	1	0.12	20	0.44	489	1	0.01	17	740	10	0.01	6	10	27
DD022838		10	<1	0.08	10	0.55	319	<1	0.01	16	430	7	0.01	<2	4	22
DD022839		10	<1	0.08	10	0.57	246	<1	0.01	15	460	7	0.01	<2	4	22
DD022840		<10	1	0.07	10	0.41	264	<1	0.01	11	520	5	0.01	<2	3	21
DD022841		<10	<1	0.04	10	0.19	88	<1	0.02	6	730	2	0.10	<2	2	40
DD022842		<10	<1	0.09	10	0.42	377	<1	0.02	18	640	7	0.05	<2	4	45
DD022843		<10	<1	0.06	10	0.34	217	<1	0.02	9	520	3	0.01	<2	3	23
DD022844		<10	<1	0.06	20	0.11	86	<1	0.04	5	410	<2	0.04	<2	3	29
DD022845		<10	1	0.07	10	0.43	330	<1	0.02	12	660	5	0.02	<2	4	29
DD022846		<10	<1	0.05	10	0.33	384	<1	0.02	11	750	6	0.06	<2	3	38
DD022847		<10	1	0.05	10	0.36	405	<1	0.03	14	690	9	0.02	<2	3	40
DD022848		<10	<1	0.05	10	0.40	318	<1	0.03	10	790	7	0.02	<2	5	42
DD022849		<10	<1	0.05	10	0.34	389	<1	0.02	10	630	6	0.07	<2	3	33
DD022850		<10	1	0.05	10	0.36	255	<1	0.03	10	690	7	0.13	<2	3	28
DD022851		10	<1	0.07	10	0.40	281	<1	0.03	13	490	10	0.12	<2	5	34
DD022852		<10	1	0.06	10	0.42	553	<1	0.03	11	730	10	0.12	<2	5	40
DD022853		<10	1	0.04	10	0.37	513	<1	0.03	11	520	8	0.09	<2	3	22
DD022854		<10	<1	0.04	10	0.25	229	2	0.03	8	640	4	0.01	<2	2	19
DD022855		<10	<1	0.04	10	0.29	189	2	0.02	7	510	7	0.01	2	2	18
DD022856		10	<1	0.05	10	0.43	161	1	0.05	7	500	10	0.14	<2	3	58
DD022857		10	<1	0.06	10	0.40	258	3	0.05	4	490	14	0.16	3	3	52
DD022858		<10	<1	0.04	10	0.33	157	2	0.02	7	650	9	0.01	<2	3	74
DD022859		<10	<1	0.04	10	0.23	169	<1	0.03	8	620	6	0.05	<2	1	24
DD022860		<10	1	0.06	10	0.32	294	<1	0.03	8	920	6	0.05	<2	2	26
DD022881		<10	<1	0.06	20	0.37	206	<1	0.03	9	400	11	0.03	<2	3	31
DD022882		<10	<1	0.04	10	0.35	472	<1	0.03	10	830	9	0.08	<2	2	36
DD022883		<10	1	0.06	30	0.49	382	<1	0.03	12	720	7	0.08	<2	6	32
DD022884		<10	1	0.05	10	0.38	281	<1	0.02	9	550	8	0.02	<2	3	17
DD022885		10	1	0.05	10	0.43	626	<1	0.03	14	1080	8	0.07	<2	4	47
DD022886		10	<1	0.06	10	0.51	580	<1	0.02	15	500	8	0.02	<2	3	22

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CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
DD022827		<20	0.06	<10	<10	32	<10	39
DD022828		<20	0.06	<10	<10	41	<10	40
DD022829		<20	0.05	<10	<10	31	<10	37
DD022830		<20	0.04	<10	<10	48	<10	92
DD022831		<20	0.05	<10	<10	50	<10	48
DD022832		<20	0.05	<10	<10	54	<10	49
DD022833		<20	0.07	<10	<10	57	<10	52
DD022834		<20	0.07	<10	<10	49	<10	38
DD022835		<20	0.09	<10	<10	51	<10	44
DD022836		<20	0.07	<10	<10	45	<10	37
DD022837		<20	0.02	<10	<10	66	<10	64
DD022838		<20	0.08	<10	<10	61	<10	48
DD022839		<20	0.06	<10	<10	53	<10	46
DD022840		<20	0.06	<10	<10	45	<10	36
DD022841		<20	0.04	<10	<10	30	<10	43
DD022842		<20	0.05	<10	<10	47	<10	57
DD022843		<20	0.05	<10	<10	36	<10	33
DD022844		<20	0.02	<10	<10	26	<10	21
DD022845		<20	0.05	<10	<10	46	<10	45
DD022846		<20	0.04	<10	<10	44	<10	46
DD022847		<20	0.04	<10	<10	43	<10	41
DD022848		<20	0.04	<10	<10	47	<10	45
DD022849		<20	0.04	<10	<10	39	<10	38
DD022850		<20	0.04	<10	<10	39	<10	37
DD022851		<20	0.03	<10	<10	46	<10	54
DD022852		<20	0.03	<10	<10	45	<10	45
DD022853		<20	0.04	<10	<10	39	<10	35
DD022854		<20	0.04	<10	<10	31	<10	28
DD022855		<20	0.03	<10	<10	41	<10	33
DD022856		<20	0.03	<10	<10	50	<10	46
DD022857		<20	0.02	<10	<10	66	<10	47
DD022858		<20	0.03	<10	<10	37	<10	32
DD022859		<20	0.05	<10	<10	41	<10	27
DD022860		<20	0.04	<10	<10	41	<10	37
DD022881		<20	0.05	<10	<10	36	<10	32
DD022882		<20	0.03	<10	<10	36	<10	59
DD022883		<20	0.03	<10	<10	47	<10	46
DD022884		<20	0.04	<10	<10	42	<10	34
DD022885		<20	0.04	<10	<10	56	<10	42
DD022886		<20	0.05	<10	<10	56	<10	48

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Account: F

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CERTIFICATE OF ANALYSIS WH11170911

Sample Description	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Method / Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022887	0.34	0.003	<0.2	2.16	7	<10	340	0.6	<2	0.46	<0.5	10	23	17	3.33
DD022888	0.22	0.003	<0.2	1.84	8	<10	150	<0.5	<2	0.28	<0.5	8	23	15	2.65
DD022889	0.18	0.002	<0.2	2.07	9	<10	130	<0.5	<2	0.19	<0.5	9	23	14	2.69
DD022890	0.32	0.001	<0.2	2.04	9	<10	260	0.5	<2	0.44	<0.5	9	27	15	2.79
DD022891	0.24	0.003	0.2	2.06	6	<10	300	<0.5	<2	0.70	<0.5	12	20	17	3.04
DD022892	0.24	0.003	<0.2	2.19	8	<10	400	0.5	<2	0.71	<0.5	11	31	30	3.09
DD022893	0.30	0.002	0.3	1.78	6	<10	390	0.5	<2	0.57	<0.5	8	23	20	2.57
DD022894	0.32	0.009	<0.2	1.59	8	<10	520	0.5	<2	0.50	<0.5	10	20	15	3.11
DD022895	0.22	0.005	<0.2	1.46	9	<10	550	<0.5	<2	0.61	<0.5	10	21	15	2.75
DD022896	0.30	0.006	<0.2	1.41	7	<10	350	<0.5	<2	0.46	<0.5	9	20	14	2.70
DD022897	0.18	0.003	<0.2	1.21	2	<10	380	<0.5	<2	0.68	<0.5	7	14	15	1.83
DD022898	0.28	0.017	<0.2	1.29	2	<10	160	<0.5	<2	0.39	<0.5	6	20	10	1.70
DD022899	0.24	0.001	<0.2	1.46	6	<10	220	<0.5	<2	0.50	<0.5	8	25	9	1.81
DD022900	0.26	0.001	<0.2	1.34	2	<10	270	<0.5	<2	0.43	<0.5	7	20	11	1.58
DD022922	0.26	0.005	<0.2	1.36	5	<10	160	<0.5	<2	0.28	<0.5	9	17	13	1.92
DD022923	0.28	0.003	<0.2	1.17	3	<10	370	<0.5	<2	0.61	<0.5	10	15	14	2.32
DD022924	0.30	0.001	<0.2	1.94	10	<10	190	<0.5	<2	0.19	<0.5	8	23	18	2.77
DD022925	0.18	0.001	0.2	1.75	10	<10	1120	0.8	<2	1.68	0.5	12	22	41	3.42
DD022926	0.34	0.004	<0.2	2.24	10	<10	280	0.5	<2	0.28	<0.5	12	24	21	2.97
DD022927	0.32	0.002	<0.2	1.96	13	<10	190	0.6	<2	0.14	<0.5	9	25	16	2.81
DD022928	0.20	0.002	<0.2	1.07	9	<10	90	<0.5	<2	0.10	<0.5	4	15	10	2.14
DD022929	0.34	0.005	<0.2	0.99	7	<10	300	<0.5	<2	0.38	<0.5	5	18	11	1.74
DD022930	0.16	0.002	0.2	1.18	9	<10	420	<0.5	<2	0.29	<0.5	5	16	17	1.88
DD022931	0.26	0.010	<0.2	1.30	7	<10	370	<0.5	<2	0.25	<0.5	6	18	13	1.84
DD022932	0.30	0.004	<0.2	1.19	6	<10	420	<0.5	<2	0.31	<0.5	4	19	11	1.60
DD022933	0.22	0.003	<0.2	1.41	4	<10	590	<0.5	<2	0.37	<0.5	4	19	18	1.20
DD022934	0.18	0.003	<0.2	1.44	6	<10	400	<0.5	<2	0.29	<0.5	6	20	13	2.05
DD022935	0.32	0.009	<0.2	1.14	8	<10	270	<0.5	<2	0.46	<0.5	6	20	9	1.98
DD022936	0.24	0.009	<0.2	2.13	14	<10	950	1.0	<2	0.93	<0.5	7	25	26	2.78
DD022937	0.20	0.010	0.2	1.99	11	<10	1050	1.0	<2	0.75	<0.5	7	23	25	2.77
DD022938	0.28	0.008	<0.2	1.13	9	<10	520	<0.5	<2	0.57	<0.5	7	17	14	2.06
DD022939	0.24	0.002	<0.2	1.08	6	<10	420	<0.5	<2	0.64	<0.5	6	18	13	1.84
DD022940	0.26	0.003	<0.2	1.38	9	<10	640	0.5	<2	0.75	<0.5	9	22	17	2.22
DD022941	0.20	0.003	<0.2	1.29	5	<10	600	<0.5	<2	0.88	<0.5	5	18	20	1.53
DD022942	0.28	0.005	<0.2	1.26	9	<10	420	<0.5	<2	0.51	<0.5	8	18	10	2.23
DD022943	0.16	0.003	<0.2	1.14	8	<10	420	<0.5	<2	0.66	<0.5	5	17	15	1.93
DD022944	0.30	0.003	<0.2	1.35	5	<10	340	<0.5	<2	0.41	<0.5	6	22	13	1.74
DD022945	0.26	0.004	<0.2	1.45	7	<10	460	<0.5	<2	0.47	<0.5	7	23	14	2.12
DD022946	0.32	0.004	<0.2	1.30	11	<10	550	0.5	<2	0.38	<0.5	6	18	13	1.75
DD022947	0.12	0.004	<0.2	1.18	7	<10	750	0.6	<2	0.70	<0.5	4	12	23	1.39

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Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
DD022887		10	1	0.07	10	0.62	533	<1	0.03	13	450	10	0.06	<2	6	26
DD022888		10	1	0.06	10	0.49	285	<1	0.02	14	420	7	0.10	<2	3	22
DD022889		10	<1	0.06	10	0.48	365	<1	0.02	15	360	8	0.14	<2	3	16
DD022890		10	<1	0.07	10	0.54	359	<1	0.03	16	520	8	0.20	<2	4	22
DD022891		10	1	0.09	10	0.88	498	<1	0.04	10	710	7	0.28	<2	7	98
DD022892		10	<1	0.08	10	0.61	616	<1	0.03	18	830	10	0.40	<2	5	40
DD022893		10	1	0.07	10	0.50	294	<1	0.03	12	620	7	0.41	<2	5	33
DD022894		<10	<1	0.05	10	0.41	691	<1	0.03	10	700	13	0.12	3	6	34
DD022895		<10	<1	0.06	10	0.37	456	<1	0.03	11	800	12	0.23	<2	4	43
DD022896		<10	1	0.06	10	0.41	464	<1	0.03	10	510	12	0.28	<2	4	31
DD022897		<10	<1	0.04	10	0.23	376	<1	0.04	6	930	6	0.40	<2	2	43
DD022898		<10	<1	0.04	10	0.36	206	<1	0.03	9	720	6	0.42	<2	3	27
DD022899		<10	<1	0.05	10	0.42	478	<1	0.03	10	860	7	0.30	<2	3	33
DD022900		<10	1	0.05	10	0.42	613	<1	0.03	9	670	13	0.11	<2	3	25
DD022922		<10	1	0.06	10	0.37	388	2	0.02	10	430	5	<0.01	<2	3	23
DD022923		<10	1	0.05	10	0.35	332	2	0.02	9	480	5	0.02	2	4	30
DD022924		10	<1	0.09	10	0.46	359	1	0.01	15	420	8	0.01	<2	3	17
DD022925		<10	<1	0.07	10	0.26	1120	<1	0.02	19	1420	9	0.14	2	5	74
DD022926		10	<1	0.10	10	0.56	638	<1	0.01	19	450	11	0.01	4	5	20
DD022927		10	<1	0.07	10	0.35	365	<1	0.01	17	230	10	0.01	<2	4	15
DD022928		10	<1	0.04	10	0.16	138	<1	0.01	7	290	7	0.01	<2	2	13
DD022929		<10	<1	0.05	10	0.34	234	<1	0.02	11	670	5	0.01	<2	3	22
DD022930		<10	<1	0.05	10	0.24	335	<1	0.02	9	770	6	0.04	<2	2	23
DD022931		<10	<1	0.06	10	0.28	278	<1	0.01	9	480	9	0.02	<2	2	20
DD022932		<10	<1	0.06	10	0.34	174	<1	0.01	10	620	6	0.01	<2	3	20
DD022933		<10	<1	0.04	10	0.28	108	<1	0.01	9	950	5	0.06	<2	2	27
DD022934		<10	<1	0.05	10	0.31	211	<1	0.01	9	740	6	0.03	<2	3	20
DD022935		<10	<1	0.06	10	0.36	270	<1	0.01	9	550	5	0.02	<2	3	27
DD022936		10	<1	0.12	20	0.40	418	<1	0.01	14	1000	9	0.06	2	6	53
DD022937		10	<1	0.11	30	0.34	335	<1	0.01	14	900	7	0.06	2	8	44
DD022938		<10	<1	0.06	10	0.27	446	<1	0.02	9	660	6	0.04	2	3	33
DD022939		<10	<1	0.05	10	0.29	255	<1	0.02	9	620	4	0.04	<2	3	34
DD022940		<10	<1	0.08	10	0.34	614	<1	0.01	13	770	7	0.05	<2	4	41
DD022941		<10	<1	0.06	10	0.30	264	<1	0.01	9	740	6	0.07	2	3	47
DD022942		<10	<1	0.06	10	0.33	400	<1	0.01	8	710	6	0.03	<2	3	28
DD022943		<10	<1	0.05	10	0.27	303	<1	0.02	8	870	5	0.07	<2	3	38
DD022944		10	<1	0.05	10	0.40	168	<1	0.02	11	770	6	0.03	<2	3	26
DD022945		<10	<1	0.05	10	0.40	371	<1	0.01	12	740	7	0.02	2	4	29
DD022946		<10	<1	0.06	20	0.35	225	<1	0.01	8	660	9	0.03	<2	3	23
DD022947		<10	<1	0.05	10	0.16	364	<1	0.03	6	980	5	0.08	<2	2	36

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

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
DD022887		<20	0.04	<10	<10	67	<10	61
DD022888		<20	0.06	<10	<10	54	<10	43
DD022889		<20	0.04	<10	<10	56	<10	43
DD022890		<20	0.06	<10	<10	54	<10	49
DD022891		<20	0.06	<10	<10	88	<10	55
DD022892		<20	0.05	<10	<10	65	<10	52
DD022893		<20	0.04	<10	<10	53	<10	48
DD022894		<20	0.02	<10	<10	55	<10	52
DD022895		<20	0.02	<10	<10	50	<10	48
DD022896		<20	0.04	<10	<10	49	<10	52
DD022897		<20	0.03	<10	<10	37	<10	39
DD022898		<20	0.05	<10	<10	42	<10	42
DD022899		<20	0.05	<10	<10	42	<10	49
DD022900		<20	0.04	<10	<10	42	<10	60
DD022922		<20	0.06	<10	<10	43	<10	39
DD022923		<20	0.03	<10	<10	47	<10	50
DD022924		<20	0.06	<10	<10	61	<10	52
DD022925		<20	0.02	<10	<10	58	<10	51
DD022926		<20	0.04	<10	<10	57	<10	67
DD022927		<20	0.05	<10	<10	58	<10	49
DD022928		<20	0.07	<10	<10	61	<10	29
DD022929		<20	0.05	<10	<10	36	<10	33
DD022930		<20	0.03	<10	<10	41	<10	33
DD022931		<20	0.03	<10	<10	37	<10	37
DD022932		<20	0.05	<10	<10	33	<10	35
DD022933		<20	0.03	<10	<10	32	<10	31
DD022934		<20	0.03	<10	<10	41	<10	43
DD022935		<20	0.05	<10	<10	41	<10	41
DD022936		<20	0.02	<10	<10	48	<10	58
DD022937		<20	0.02	<10	<10	48	<10	59
DD022938		<20	0.03	<10	<10	38	<10	43
DD022939		<20	0.03	<10	<10	37	<10	36
DD022940		<20	0.03	<10	<10	46	<10	45
DD022941		<20	0.03	<10	<10	37	<10	55
DD022942		<20	0.03	<10	<10	44	<10	48
DD022943		<20	0.03	<10	<10	37	<10	35
DD022944		<20	0.05	<10	<10	40	<10	41
DD022945		<20	0.05	<10	<10	44	<10	42
DD022946		<20	0.03	<10	<10	36	<10	35
DD022947		<20	0.03	<10	<10	27	<10	30

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VANCOUVER BC V6B 1L8

Finalized Date: 9- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
DD022948		0.30	0.003	<0.2	1.11	13	<10	80	<0.5	<2	0.10	<0.5	4	18	7	2.70
DD022949		0.22	0.006	<0.2	1.85	13	<10	230	<0.5	<2	0.16	<0.5	8	25	11	2.38
DD022950		0.14	0.004	0.2	1.34	12	<10	530	<0.5	<2	0.57	<0.5	4	14	19	1.80
CC139360		0.34	0.004	<0.2	1.64	7	<10	190	<0.5	<2	0.63	<0.5	7	19	18	2.21
CC13930		Not Recvd														
CC139130		0.12	<0.001	0.3	0.91	4	<10	440	<0.5	<2	0.36	<0.5	3	13	26	1.73

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CERTIFICATE OF ANALYSIS WH11170911

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD022948		10	<1	0.05	10	0.26	192	<1	0.01	7	190	12	0.01	<2	2	8
DD022949		10	<1	0.07	10	0.38	211	<1	0.01	16	210	10	0.01	<2	3	13
DD022950		<10	<1	0.07	10	0.18	336	<1	0.03	7	530	8	0.03	2	2	25
CC139360		10	<1	0.07	10	0.46	428	<1	0.02	10	760	5	0.04	<2	4	36
CC13930																
CC139130		<10	<1	0.03	10	0.10	64	<1	0.02	3	890	23	0.09	<2	1	30

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Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170911

Sample Description	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Th	Ti	Tl	U	V	W	Zn
Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2
DD022948	<20	0.09	<10	<10	75	<10	34
DD022949	<20	0.07	<10	<10	48	<10	41
DD022950	<20	0.03	<10	<10	37	<10	30
CC139360	<20	0.04	<10	<10	49	<10	46
CC13930							
CC139130	<20	0.04	<10	<10	50	<10	21

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Finalized Date: 6- OCT- 2011
Account: F

CERTIFICATE WH11170910

Project: Wolverine- DADE

P.O. No.:

This report is for 206 Soil samples submitted to our lab in Whitehorse, YT, Canada on 26- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016- 510 W HASTINGS ST
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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ28001		0.20	0.007	0.2	0.58	12	<10	460	0.9	<2	0.89	<0.5	9	8	13	4.00
ZZ28002		0.26	0.014	<0.2	0.79	4	<10	270	<0.5	<2	0.61	<0.5	5	13	10	1.95
ZZ28003		0.24	0.004	<0.2	0.85	4	<10	360	<0.5	<2	1.05	<0.5	4	10	19	1.45
ZZ28004		0.22	0.003	0.2	0.72	5	<10	220	<0.5	<2	0.53	<0.5	4	13	8	1.51
ZZ28005		0.26	0.006	<0.2	1.08	4	<10	400	<0.5	<2	0.91	<0.5	3	21	18	1.74
ZZ28006		0.36	0.008	<0.2	1.41	12	<10	230	0.6	<2	0.77	<0.5	9	31	24	3.23
ZZ28007		0.42	0.002	<0.2	0.95	4	<10	90	<0.5	2	0.28	<0.5	6	18	5	1.87
ZZ28008		0.32	0.002	<0.2	0.88	4	<10	170	<0.5	<2	0.59	<0.5	7	18	7	1.90
ZZ28009		0.38	0.008	<0.2	0.80	5	<10	80	<0.5	<2	0.27	<0.5	5	20	4	2.38
ZZ28010		0.34	0.002	<0.2	1.47	9	<10	80	<0.5	<2	0.21	<0.5	5	21	12	2.22
ZZ28011		0.28	0.003	0.2	1.49	4	<10	190	<0.5	<2	0.38	<0.5	5	23	12	1.54
ZZ28012		0.40	0.004	<0.2	1.16	10	<10	270	<0.5	<2	0.49	<0.5	6	25	11	2.78
ZZ28013		0.32	0.008	<0.2	1.19	7	<10	370	<0.5	2	0.55	<0.5	8	20	12	2.39
ZZ28014		0.32	0.004	<0.2	1.44	9	<10	450	0.5	<2	0.66	<0.5	6	21	12	2.83
ZZ28015		0.28	0.005	<0.2	1.32	9	<10	430	<0.5	<2	0.54	<0.5	6	19	15	2.35
ZZ28016		0.30	0.007	<0.2	0.84	5	<10	270	<0.5	<2	0.31	<0.5	4	15	8	1.82
ZZ28017		0.24	0.007	<0.2	1.00	3	<10	390	<0.5	<2	0.60	<0.5	4	16	10	1.76
ZZ28018		0.10	0.004	<0.2	1.00	3	<10	960	0.8	3	1.91	0.5	5	9	39	0.93
ZZ28019		0.18	0.002	<0.2	1.07	3	<10	490	<0.5	2	0.77	<0.5	3	8	10	1.33
ZZ28020		0.42	0.009	<0.2	1.15	6	<10	430	<0.5	<2	0.54	<0.5	6	19	13	2.17
ZZ28021		0.16	0.003	<0.2	0.84	3	<10	340	<0.5	2	0.58	<0.5	5	15	15	1.57
ZZ28022		0.14	0.003	<0.2	1.49	3	<10	750	0.6	<2	1.51	<0.5	5	12	26	1.54
ZZ28023		0.14	0.006	<0.2	1.47	3	<10	590	0.5	<2	1.31	<0.5	4	13	20	1.41
ZZ28024		0.20	0.005	<0.2	1.48	6	<10	390	<0.5	<2	1.45	<0.5	7	22	23	2.11
ZZ28025		0.14	0.004	0.2	1.10	3	<10	390	<0.5	<2	2.02	<0.5	6	15	33	1.48
ZZ28026		0.16	0.004	0.3	1.41	6	<10	480	0.6	<2	1.63	<0.5	7	17	30	1.77
ZZ28027		0.30	0.003	0.2	1.40	7	<10	220	<0.5	2	0.63	<0.5	7	19	21	2.04
ZZ28028		0.24	0.003	0.3	1.66	7	<10	400	0.5	<2	0.88	<0.5	8	22	28	2.12
ZZ28029		0.36	0.004	0.2	1.43	5	<10	230	<0.5	<2	0.70	<0.5	4	17	19	1.64
ZZ28030		0.28	0.003	<0.2	1.30	8	<10	120	<0.5	<2	0.31	<0.5	6	19	30	2.04
ZZ28031		0.40	0.003	<0.2	1.75	6	<10	200	<0.5	<2	0.41	<0.5	7	25	16	2.37
ZZ28032		0.16	0.002	<0.2	1.36	4	<10	240	<0.5	<2	0.55	<0.5	6	20	18	1.77
ZZ28033		0.24	0.003	0.2	1.53	7	<10	390	0.5	<2	0.71	<0.5	7	22	29	1.90
ZZ28034		0.18	0.003	0.2	2.04	11	<10	170	0.5	<2	0.37	<0.5	9	26	23	2.71
ZZ28035		0.24	0.003	<0.2	1.67	8	<10	140	<0.5	<2	0.40	<0.5	7	23	17	2.21
ZZ28036		0.28	0.166	0.2	1.74	9	<10	160	<0.5	<2	0.47	<0.5	9	23	21	2.21
ZZ28037		0.20	0.002	<0.2	1.41	7	<10	100	<0.5	<2	0.23	<0.5	6	21	12	2.44
ZZ28038		0.24	0.014	0.2	1.88	10	<10	220	0.5	<2	0.25	<0.5	8	26	16	2.61
ZZ28039		0.22	0.005	0.2	1.91	7	<10	220	0.5	<2	0.27	<0.5	7	27	16	2.68
ZZ28040		0.20	0.003	<0.2	1.50	6	<10	250	<0.5	<2	0.78	<0.5	7	22	21	2.11

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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ28001		<10	<1	0.11	10	0.12	663	<1	0.02	7	1700	12	0.05	<2	7	40
ZZ28002		<10	<1	0.07	10	0.21	347	<1	0.03	7	550	3	0.03	<2	3	35
ZZ28003		<10	<1	0.05	10	0.18	274	<1	0.03	6	820	2	0.09	<2	3	55
ZZ28004		<10	<1	0.06	10	0.23	245	<1	0.02	6	600	2	0.05	<2	3	30
ZZ28005		<10	<1	0.06	10	0.32	139	<1	0.02	9	750	3	0.09	<2	4	55
ZZ28006		<10	<1	0.13	20	0.50	531	<1	0.02	17	960	4	0.03	<2	8	46
ZZ28007		<10	<1	0.06	10	0.29	218	<1	0.02	8	470	2	0.01	<2	2	18
ZZ28008		<10	<1	0.06	10	0.35	166	<1	0.02	8	570	2	0.04	<2	2	37
ZZ28009		<10	<1	0.06	10	0.28	277	<1	0.01	7	370	2	0.01	<2	2	16
ZZ28010		<10	<1	0.05	10	0.32	240	<1	0.01	11	590	2	0.01	<2	2	15
ZZ28011		<10	<1	0.05	10	0.38	133	<1	0.01	10	630	4	0.03	<2	3	25
ZZ28012		<10	<1	0.09	10	0.40	335	<1	0.02	10	730	6	0.02	<2	4	30
ZZ28013		<10	<1	0.07	10	0.34	378	<1	0.02	8	620	7	0.03	<2	4	35
ZZ28014		<10	<1	0.08	10	0.42	447	<1	0.02	7	860	11	0.03	<2	5	42
ZZ28015		<10	<1	0.07	10	0.34	314	<1	0.02	7	610	6	0.03	<2	3	38
ZZ28016		<10	1	0.07	10	0.26	278	<1	0.01	6	290	8	0.01	<2	2	24
ZZ28017		<10	<1	0.06	10	0.23	105	<1	0.02	5	450	9	0.04	<2	2	39
ZZ28018		<10	1	0.04	20	0.11	566	<1	0.03	8	910	2	0.11	<2	2	143
ZZ28019		<10	<1	0.08	10	0.12	214	<1	0.04	4	620	<2	0.03	<2	2	55
ZZ28020		<10	<1	0.06	10	0.33	390	<1	0.01	8	430	4	0.02	<2	3	44
ZZ28021		<10	<1	0.06	10	0.24	221	<1	0.02	6	460	<2	0.02	<2	2	46
ZZ28022		<10	<1	0.06	40	0.17	219	<1	0.03	9	840	<2	0.07	<2	3	108
ZZ28023		<10	<1	0.07	20	0.22	245	<1	0.03	8	680	<2	0.07	<2	2	77
ZZ28024		<10	1	0.06	20	0.42	455	<1	0.02	11	770	4	0.06	<2	3	71
ZZ28025		<10	<1	0.06	10	0.29	195	<1	0.05	10	710	6	0.09	<2	3	90
ZZ28026		<10	<1	0.06	10	0.30	575	<1	0.05	10	1020	6	0.10	<2	2	76
ZZ28027		<10	<1	0.07	10	0.33	312	<1	0.05	10	590	8	0.03	<2	3	39
ZZ28028		<10	<1	0.07	10	0.37	612	<1	0.04	12	810	9	0.05	<2	3	55
ZZ28029		<10	<1	0.06	10	0.29	181	<1	0.05	8	630	7	0.04	<2	3	39
ZZ28030		<10	<1	0.05	10	0.38	280	<1	0.03	10	410	7	<0.01	<2	3	21
ZZ28031		<10	1	0.06	10	0.49	258	<1	0.04	12	370	7	<0.01	<2	4	26
ZZ28032		<10	<1	0.05	10	0.38	208	<1	0.04	10	660	5	0.02	<2	2	35
ZZ28033		<10	<1	0.05	20	0.39	277	<1	0.04	12	850	5	0.03	<2	3	38
ZZ28034		10	<1	0.06	10	0.45	476	<1	0.04	14	610	12	0.01	<2	3	27
ZZ28035		10	<1	0.08	10	0.43	329	1	0.04	12	520	8	0.02	<2	2	30
ZZ28036		<10	<1	0.06	10	0.39	611	<1	0.04	13	550	12	0.02	<2	3	26
ZZ28037		10	<1	0.08	10	0.37	233	<1	0.04	11	750	10	0.01	<2	2	20
ZZ28038		10	<1	0.07	10	0.46	332	<1	0.04	13	300	15	0.01	<2	4	23
ZZ28039		10	<1	0.06	10	0.42	250	<1	0.03	12	350	9	0.01	<2	4	21
ZZ28040		<10	<1	0.06	10	0.43	342	<1	0.04	11	630	6	0.04	<2	3	47

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

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ28001		<20	0.01	<10	<10	33	<10	84
ZZ28002		<20	0.03	<10	<10	37	<10	35
ZZ28003		<20	0.02	<10	<10	27	<10	22
ZZ28004		<20	0.03	<10	<10	32	<10	36
ZZ28005		<20	0.04	<10	<10	36	<10	40
ZZ28006		<20	0.06	<10	<10	65	<10	68
ZZ28007		<20	0.06	<10	<10	44	<10	29
ZZ28008		<20	0.05	<10	<10	36	<10	39
ZZ28009		<20	0.06	<10	<10	58	<10	39
ZZ28010		<20	0.07	<10	<10	50	<10	33
ZZ28011		<20	0.05	<10	<10	42	<10	30
ZZ28012		<20	0.06	<10	<10	61	<10	51
ZZ28013		<20	0.04	<10	<10	54	<10	37
ZZ28014		<20	0.03	<10	<10	61	<10	61
ZZ28015		<20	0.03	<10	<10	49	<10	43
ZZ28016		<20	0.04	<10	<10	41	<10	35
ZZ28017		<20	0.06	<10	<10	52	<10	34
ZZ28018		<20	0.02	<10	<10	17	<10	13
ZZ28019		<20	0.02	<10	<10	28	<10	23
ZZ28020		<20	0.04	<10	<10	46	<10	36
ZZ28021		<20	0.05	<10	<10	39	<10	28
ZZ28022		<20	0.03	<10	<10	31	<10	21
ZZ28023		<20	0.02	<10	<10	24	<10	34
ZZ28024		<20	0.04	<10	<10	43	<10	42
ZZ28025		<20	0.03	<10	<10	32	<10	37
ZZ28026		<20	0.03	<10	<10	34	<10	59
ZZ28027		<20	0.05	<10	<10	46	<10	50
ZZ28028		<20	0.04	<10	<10	45	<10	53
ZZ28029		<20	0.04	<10	<10	36	<10	39
ZZ28030		<20	0.05	<10	<10	45	<10	50
ZZ28031		<20	0.06	<10	<10	52	<10	44
ZZ28032		<20	0.05	<10	<10	40	<10	32
ZZ28033		<20	0.05	<10	<10	44	<10	34
ZZ28034		<20	0.07	<10	<10	65	<10	49
ZZ28035		<20	0.07	<10	<10	50	<10	44
ZZ28036		<20	0.07	<10	<10	54	<10	41
ZZ28037		<20	0.08	<10	<10	57	<10	50
ZZ28038		<20	0.07	<10	<10	59	<10	63
ZZ28039		<20	0.07	<10	<10	64	<10	43
ZZ28040		<20	0.04	<10	<10	47	<10	42

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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ28041		0.20	0.004	<0.2	1.58	6	<10	240	<0.5	<2	0.60	<0.5	8	18	19	1.91
ZZ28042		0.32	0.004	<0.2	1.25	5	<10	120	<0.5	<2	0.40	<0.5	7	20	12	1.86
ZZ28043		0.38	0.004	0.2	2.40	8	<10	240	<0.5	<2	0.69	<0.5	7	24	21	2.17
ZZ28044		0.26	0.004	<0.2	1.82	4	<10	170	<0.5	<2	0.60	<0.5	5	19	15	1.88
ZZ28045		0.20	0.003	0.2	1.87	4	<10	200	<0.5	<2	0.82	<0.5	6	22	15	2.04
ZZ28046		0.28	0.003	<0.2	1.41	8	<10	140	<0.5	<2	0.29	<0.5	6	21	10	1.99
ZZ28047		0.40	0.002	<0.2	1.56	8	<10	120	<0.5	<2	0.31	<0.5	11	37	17	2.51
ZZ28048		0.16	<0.001	<0.2	0.47	3	<10	60	<0.5	<2	1.15	<0.5	4	12	20	0.65
ZZ28049		0.32	0.003	<0.2	1.26	6	<10	140	<0.5	<2	0.48	<0.5	11	37	26	2.06
ZZ28050		0.26	0.002	<0.2	2.19	7	<10	90	<0.5	<2	0.26	<0.5	34	137	23	3.61
ZZ28151		0.28	0.008	<0.2	1.35	8	<10	50	<0.5	<2	0.16	<0.5	5	18	8	2.13
ZZ28152		0.36	0.006	0.4	3.30	15	<10	560	0.9	<2	0.77	<0.5	13	28	38	4.12
ZZ28153		0.46	0.006	<0.2	1.79	9	<10	330	<0.5	<2	0.44	<0.5	7	22	17	2.49
ZZ28154		0.42	0.002	<0.2	1.52	15	<10	240	<0.5	<2	0.39	<0.5	9	20	11	2.73
ZZ28155		0.32	0.002	0.2	2.21	8	<10	270	0.6	<2	0.43	<0.5	7	16	17	2.94
ZZ28156		0.40	0.003	0.2	2.18	11	<10	230	0.5	<2	0.26	<0.5	9	29	15	3.57
ZZ28157		0.42	0.003	<0.2	1.58	9	<10	240	<0.5	<2	0.43	<0.5	6	20	23	2.27
ZZ28158		0.22	0.003	0.2	1.65	9	<10	640	0.6	2	0.49	<0.5	14	18	19	2.28
ZZ28159		0.28	0.003	<0.2	1.81	9	<10	400	0.5	<2	0.65	<0.5	8	23	16	2.45
ZZ28160		0.38	0.005	<0.2	1.39	5	<10	330	<0.5	<2	0.60	<0.5	8	21	14	2.15
ZZ28171		0.40	0.030	<0.2	1.29	10	<10	390	0.5	<2	0.51	<0.5	6	24	14	2.58
ZZ28172		0.36	0.009	<0.2	1.39	11	<10	400	0.5	<2	0.61	<0.5	6	21	13	2.58
ZZ28173		0.42	0.005	<0.2	1.11	11	<10	310	<0.5	<2	0.52	<0.5	7	21	11	2.68
ZZ28174		0.26	0.003	<0.2	1.13	7	<10	220	<0.5	<2	0.38	<0.5	5	21	11	2.15
ZZ28175		0.30	0.010	<0.2	0.91	21	<10	420	0.5	<2	0.48	<0.5	4	15	8	2.15
ZZ28176		0.26	0.009	<0.2	1.63	12	<10	650	0.6	<2	0.79	<0.5	6	21	12	2.63
ZZ28177		0.30	0.010	<0.2	1.49	8	<10	360	<0.5	<2	0.48	<0.5	6	22	15	2.17
ZZ28178		0.30	0.002	<0.2	1.23	7	<10	350	<0.5	<2	0.51	<0.5	5	20	10	2.03
ZZ28179		0.24	0.003	<0.2	1.21	5	<10	350	<0.5	2	0.81	<0.5	6	18	16	1.87
ZZ28180		0.30	0.003	<0.2	1.12	4	<10	220	<0.5	<2	0.45	<0.5	6	18	9	1.89
ZZ28181		0.34	0.012	0.2	1.14	6	<10	190	<0.5	<2	0.77	<0.5	5	17	14	1.64
ZZ28182		0.28	0.004	<0.2	1.14	9	<10	200	<0.5	<2	0.65	<0.5	6	18	12	1.92
ZZ28183		0.28	0.002	<0.2	1.08	4	<10	210	<0.5	<2	0.61	<0.5	4	18	13	1.50
ZZ28184		0.30	0.005	<0.2	1.65	7	<10	320	<0.5	2	0.72	<0.5	7	25	20	2.20
ZZ28185		0.32	0.004	<0.2	1.44	11	<10	340	<0.5	<2	0.53	<0.5	7	23	15	2.19
ZZ28186		0.30	0.003	0.2	1.33	10	<10	380	0.5	<2	0.55	<0.5	7	18	17	2.50
ZZ28187		0.30	0.004	<0.2	1.43	5	<10	440	<0.5	<2	0.52	<0.5	7	22	17	2.08
ZZ28188		0.24	0.003	<0.2	1.58	9	<10	280	<0.5	<2	0.52	<0.5	8	27	17	2.34
ZZ28189		0.28	0.007	<0.2	1.65	8	<10	250	<0.5	<2	0.48	<0.5	7	19	24	2.13
ZZ28190		0.30	0.003	<0.2	2.57	12	<10	260	0.5	<2	0.31	<0.5	14	33	25	3.19

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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ28041		<10	<1	0.06	10	0.34	568	<1	0.04	9	660	6	0.04	<2	3	43
ZZ28042		<10	<1	0.06	10	0.41	282	<1	0.04	11	500	5	0.01	<2	2	28
ZZ28043		10	<1	0.09	10	0.38	328	1	0.05	11	730	6	0.06	<2	3	54
ZZ28044		<10	<1	0.09	10	0.39	199	<1	0.04	8	500	5	0.03	<2	3	39
ZZ28045		<10	<1	0.08	10	0.40	244	<1	0.06	10	610	5	0.04	<2	3	47
ZZ28046		<10	<1	0.06	10	0.36	253	<1	0.03	9	330	7	<0.01	<2	3	23
ZZ28047		<10	<1	0.09	10	0.70	223	<1	0.04	56	390	6	0.01	2	3	23
ZZ28048		<10	<1	0.04	<10	0.27	187	<1	0.07	41	470	2	0.06	<2	1	44
ZZ28049		<10	<1	0.08	10	0.60	387	<1	0.04	48	460	6	0.02	<2	3	28
ZZ28050		<10	<1	0.04	10	2.71	557	<1	0.04	308	250	5	<0.01	<2	4	22
ZZ28151		10	<1	0.05	10	0.28	189	<1	0.03	9	290	7	0.01	<2	2	15
ZZ28152		10	1	0.13	20	0.79	1280	<1	0.04	14	1020	12	0.05	3	12	44
ZZ28153		<10	<1	0.08	10	0.43	325	<1	0.04	12	540	5	0.02	<2	5	25
ZZ28154		<10	<1	0.07	10	0.41	436	<1	0.03	10	550	7	0.01	<2	4	21
ZZ28155		10	<1	0.08	10	0.37	296	<1	0.04	7	630	6	0.04	<2	4	25
ZZ28156		10	<1	0.09	10	0.48	341	<1	0.03	12	420	9	<0.01	<2	5	19
ZZ28157		<10	<1	0.04	10	0.31	202	<1	0.04	9	690	6	0.02	<2	1	27
ZZ28158		<10	<1	0.05	10	0.35	1880	<1	0.04	13	980	7	0.03	<2	5	26
ZZ28159		<10	<1	0.06	10	0.51	169	<1	0.04	12	830	7	0.04	<2	4	32
ZZ28160		<10	<1	0.06	10	0.43	226	<1	0.04	10	600	6	0.02	<2	4	32
ZZ28171		<10	1	0.08	20	0.37	258	<1	0.02	12	760	8	0.03	<2	4	32
ZZ28172		10	1	0.10	20	0.40	360	<1	0.02	10	850	10	0.02	<2	6	37
ZZ28173		10	1	0.08	10	0.33	398	<1	0.02	9	710	5	0.02	<2	4	33
ZZ28174		10	1	0.07	10	0.32	259	<1	0.02	9	250	6	0.01	<2	2	30
ZZ28175		<10	1	0.08	10	0.21	311	<1	0.02	6	310	9	0.02	<2	2	36
ZZ28176		10	1	0.10	30	0.38	340	<1	0.03	10	600	4	0.03	<2	6	57
ZZ28177		10	1	0.09	10	0.37	296	<1	0.03	11	430	4	0.02	<2	4	35
ZZ28178		<10	1	0.08	20	0.33	287	<1	0.02	9	420	5	0.01	<2	3	29
ZZ28179		10	1	0.07	10	0.33	312	<1	0.03	8	440	4	0.03	<2	3	43
ZZ28180		<10	1	0.06	10	0.32	319	<1	0.02	9	310	5	0.01	<2	3	25
ZZ28181		<10	1	0.07	10	0.31	293	<1	0.02	8	590	5	0.03	<2	3	38
ZZ28182		<10	1	0.07	10	0.33	322	<1	0.03	8	570	3	0.02	<2	3	31
ZZ28183		<10	1	0.06	10	0.36	148	<1	0.03	9	610	4	0.02	<2	3	29
ZZ28184		10	1	0.07	10	0.46	390	<1	0.03	13	700	5	0.03	<2	4	36
ZZ28185		10	1	0.07	10	0.46	400	<1	0.03	12	550	7	0.02	<2	4	30
ZZ28186		<10	<1	0.07	10	0.36	552	<1	0.02	9	570	10	0.03	<2	4	32
ZZ28187		10	1	0.06	10	0.39	386	<1	0.03	11	740	4	0.02	<2	4	33
ZZ28188		10	1	0.06	10	0.48	354	<1	0.02	14	710	6	0.02	<2	4	32
ZZ28189		10	1	0.05	10	0.45	508	<1	0.03	9	500	6	0.01	<2	3	31
ZZ28190		10	1	0.10	10	0.59	684	<1	0.02	18	320	15	0.01	<2	5	27

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CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ28041		<20	0.04	<10	<10	41	<10	35
ZZ28042		<20	0.06	<10	<10	43	<10	41
ZZ28043		<20	0.05	<10	<10	46	<10	52
ZZ28044		<20	0.05	<10	<10	37	<10	41
ZZ28045		<20	0.05	<10	<10	42	<10	45
ZZ28046		<20	0.05	<10	<10	48	<10	33
ZZ28047		<20	0.09	<10	<10	59	<10	39
ZZ28048		<20	0.02	<10	<10	17	<10	9
ZZ28049		<20	0.06	<10	<10	48	<10	38
ZZ28050		<20	0.06	<10	<10	71	<10	42
ZZ28151		<20	0.07	<10	<10	54	<10	37
ZZ28152		<20	0.02	<10	<10	76	<10	84
ZZ28153		<20	0.05	<10	<10	52	<10	44
ZZ28154		<20	0.04	<10	<10	52	<10	48
ZZ28155		<20	0.03	<10	<10	64	<10	44
ZZ28156		<20	0.06	<10	<10	70	<10	49
ZZ28157		<20	0.03	<10	<10	53	<10	34
ZZ28158		<20	0.03	<10	<10	49	<10	42
ZZ28159		<20	0.03	<10	<10	52	<10	46
ZZ28160		<20	0.04	<10	<10	50	<10	54
ZZ28171		<20	0.05	<10	<10	59	<10	48
ZZ28172		<20	0.04	<10	<10	54	<10	54
ZZ28173		<20	0.05	<10	<10	55	<10	46
ZZ28174		<20	0.07	<10	<10	54	<10	39
ZZ28175		<20	0.03	<10	<10	39	<10	47
ZZ28176		<20	0.03	<10	<10	54	<10	40
ZZ28177		<20	0.05	<10	<10	49	<10	36
ZZ28178		<20	0.06	<10	<10	47	<10	33
ZZ28179		<20	0.05	<10	<10	43	<10	37
ZZ28180		<20	0.05	<10	<10	47	<10	31
ZZ28181		<20	0.05	<10	<10	39	<10	43
ZZ28182		<20	0.06	<10	<10	45	<10	44
ZZ28183		<20	0.05	<10	<10	35	<10	35
ZZ28184		<20	0.06	<10	<10	48	<10	43
ZZ28185		<20	0.06	<10	<10	46	<10	47
ZZ28186		<20	0.04	<10	<10	50	<10	60
ZZ28187		<20	0.06	<10	<10	49	<10	43
ZZ28188		<20	0.06	<10	<10	53	<10	41
ZZ28189		<20	0.04	<10	<10	48	<10	39
ZZ28190		<20	0.09	<10	<10	71	<10	56

ALS Canada Ltd.

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

Finalized Date: 6-OCT-2011
Account: F

Project: Wolverine-DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
ZZ28191		0.30	0.002	0.2	1.75	11	<10	130	<0.5	<2	0.22	<0.5	5	26	12	2.40
ZZ28192		0.28	0.002	0.2	2.57	18	<10	190	<0.5	<2	0.19	<0.5	8	26	17	3.57
ZZ28193		0.28	0.002	<0.2	1.70	11	<10	180	<0.5	<2	0.32	<0.5	6	25	15	2.23
ZZ28194		0.30	0.002	<0.2	1.33	7	<10	170	<0.5	<2	0.53	<0.5	6	20	16	1.83
ZZ28195		0.26	0.003	0.2	2.05	10	<10	350	0.6	<2	0.75	<0.5	8	27	27	2.60
ZZ28196		0.30	0.004	<0.2	1.91	8	<10	350	0.5	<2	0.90	<0.5	9	26	32	2.52
ZZ28197		0.26	0.002	<0.2	1.60	6	<10	270	<0.5	<2	0.77	<0.5	6	24	18	2.31
ZZ28198		0.28	0.007	<0.2	1.55	9	<10	290	<0.5	<2	0.75	<0.5	7	24	19	2.30
ZZ28199		0.32	0.002	<0.2	1.33	6	<10	200	<0.5	<2	0.59	<0.5	6	20	14	2.07
ZZ28200		0.30	0.011	<0.2	1.31	7	<10	190	<0.5	<2	0.56	<0.5	6	19	16	2.00
ZZ28201		0.28	0.003	<0.2	1.38	10	<10	340	<0.5	<2	1.00	<0.5	8	16	14	2.11
ZZ28202		0.22	0.003	<0.2	0.73	4	<10	200	<0.5	<2	0.73	<0.5	5	9	13	1.17
ZZ28203		0.30	0.015	0.4	1.59	44	<10	600	0.8	<2	1.11	<0.5	5	18	20	2.20
ZZ28204		0.30	0.015	<0.2	1.10	12	<10	460	0.5	<2	0.72	<0.5	7	18	12	2.20
ZZ28205		0.34	0.003	<0.2	1.28	9	<10	360	<0.5	<2	1.03	<0.5	7	20	15	2.03
ZZ28206		0.32	0.004	<0.2	1.29	6	<10	290	<0.5	<2	0.65	<0.5	4	19	11	1.74
ZZ28207		0.24	0.004	<0.2	1.27	9	<10	290	<0.5	<2	0.59	<0.5	7	19	18	2.09
ZZ28208		0.48	0.008	<0.2	1.26	7	<10	350	<0.5	<2	0.60	<0.5	8	19	12	2.26
ZZ28209		0.38	0.010	<0.2	1.38	5	<10	320	<0.5	<2	0.59	<0.5	7	20	16	2.30
ZZ28210		0.34	0.003	<0.2	1.55	8	<10	350	<0.5	<2	0.78	<0.5	7	22	14	2.44
ZZ28221		0.32	0.006	<0.2	0.97	4	<10	110	<0.5	<2	0.34	<0.5	4	19	8	2.10
ZZ28222		0.16	0.002	<0.2	1.02	5	<10	230	<0.5	<2	0.53	<0.5	4	18	12	1.36
ZZ28223		0.24	0.005	<0.2	1.07	10	<10	360	<0.5	<2	0.61	<0.5	7	26	15	2.75
ZZ28224		0.38	0.003	<0.2	1.19	10	<10	390	<0.5	<2	0.59	<0.5	5	24	17	2.30
ZZ28225		0.38	0.004	<0.2	1.08	10	<10	320	<0.5	<2	0.53	<0.5	5	21	12	2.21
ZZ28226		0.14	0.012	<0.2	1.28	7	<10	460	0.5	<2	0.68	<0.5	8	24	21	2.11
ZZ28227		0.24	0.003	<0.2	0.97	7	<10	420	<0.5	<2	0.72	<0.5	5	14	13	2.20
ZZ28228		0.24	0.010	<0.2	1.20	10	<10	350	<0.5	2	0.55	<0.5	7	21	11	2.31
ZZ28229		0.26	0.003	<0.2	0.73	6	<10	170	<0.5	<2	0.30	<0.5	4	16	4	1.79
ZZ28230		0.24	0.004	<0.2	1.07	9	<10	320	<0.5	2	0.41	<0.5	5	21	9	2.18
ZZ28231		0.28	0.003	<0.2	1.29	12	<10	530	<0.5	<2	0.51	<0.5	6	21	17	2.08
ZZ28232		0.18	0.004	<0.2	0.91	4	<10	130	<0.5	<2	0.30	<0.5	5	17	4	1.71
ZZ28233		0.26	0.001	<0.2	1.62	7	<10	450	<0.5	<2	0.29	<0.5	6	28	9	2.56
ZZ28234		0.24	0.003	<0.2	2.05	10	<10	350	<0.5	<2	0.27	<0.5	8	31	17	2.86
ZZ28235		0.26	0.001	<0.2	1.43	7	<10	290	<0.5	<2	0.42	<0.5	7	24	18	2.18
ZZ28236		0.14	0.001	<0.2	1.22	9	<10	410	<0.5	<2	1.65	<0.5	6	20	23	1.77
ZZ28237		0.16	0.002	<0.2	1.19	10	<10	330	<0.5	<2	0.98	<0.5	7	21	14	1.98
ZZ28238		0.18	0.004	<0.2	1.57	10	<10	510	0.7	<2	1.27	<0.5	7	21	31	2.33
ZZ28239		0.24	0.002	<0.2	1.31	8	<10	320	<0.5	<2	0.82	<0.5	7	17	26	1.85
ZZ28240		0.24	0.002	<0.2	1.77	7	<10	320	<0.5	<2	0.56	<0.5	7	25	20	2.31

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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ28191		10	1	0.07	10	0.42	196	<1	0.02	11	370	6	0.01	<2	3	15
ZZ28192		10	1	0.10	10	0.53	380	<1	0.02	13	360	9	0.02	<2	4	17
ZZ28193		10	1	0.06	10	0.40	226	<1	0.02	11	360	9	0.01	<2	3	23
ZZ28194		10	1	0.06	10	0.38	297	<1	0.03	10	700	4	0.03	<2	3	30
ZZ28195		10	1	0.09	20	0.51	408	<1	0.03	15	770	11	0.03	<2	5	36
ZZ28196		10	1	0.09	20	0.54	614	<1	0.03	14	720	8	0.04	<2	5	42
ZZ28197		10	1	0.08	10	0.50	323	<1	0.03	11	600	6	0.04	<2	4	37
ZZ28198		10	<1	0.08	10	0.45	409	<1	0.03	12	560	5	0.03	<2	4	36
ZZ28199		<10	<1	0.06	10	0.40	321	<1	0.02	9	520	5	0.02	<2	3	31
ZZ28200		<10	1	0.06	10	0.39	356	<1	0.03	9	450	4	0.03	<2	3	32
ZZ28201		<10	1	0.05	10	0.45	832	<1	0.03	9	700	5	0.05	<2	4	43
ZZ28202		<10	1	0.04	10	0.15	617	<1	0.05	5	540	<2	0.04	<2	2	33
ZZ28203		<10	1	0.09	20	0.29	335	<1	0.03	10	810	25	0.07	<2	5	47
ZZ28204		<10	1	0.07	20	0.28	339	<1	0.02	10	720	7	0.04	<2	4	33
ZZ28205		<10	1	0.06	10	0.34	458	<1	0.03	9	910	5	0.07	<2	3	58
ZZ28206		<10	1	0.06	10	0.35	221	<1	0.03	8	690	5	0.04	<2	3	37
ZZ28207		<10	1	0.05	10	0.35	545	<1	0.02	11	680	8	0.04	<2	3	32
ZZ28208		<10	1	0.06	10	0.37	575	<1	0.02	10	620	7	0.03	<2	5	31
ZZ28209		10	<1	0.07	10	0.41	361	<1	0.02	9	650	16	0.03	<2	4	29
ZZ28210		10	1	0.06	10	0.45	388	<1	0.02	10	750	5	0.05	<2	4	38
ZZ28221		<10	<1	0.06	10	0.32	178	<1	0.02	9	580	3	0.01	<2	2	26
ZZ28222		<10	1	0.04	10	0.31	151	<1	0.02	8	810	3	0.04	<2	4	47
ZZ28223		<10	1	0.07	10	0.34	442	<1	0.02	12	840	7	0.03	<2	4	40
ZZ28224		<10	1	0.08	10	0.33	362	<1	0.03	11	790	7	0.04	<2	5	41
ZZ28225		<10	1	0.08	10	0.33	298	<1	0.02	9	750	9	0.02	<2	4	35
ZZ28226		10	1	0.09	20	0.37	935	<1	0.03	12	900	10	0.05	<2	5	44
ZZ28227		<10	1	0.07	10	0.22	426	<1	0.03	7	810	7	0.05	<2	3	46
ZZ28228		<10	1	0.07	10	0.32	540	<1	0.02	8	480	21	0.02	<2	3	37
ZZ28229		<10	1	0.05	10	0.26	210	<1	0.02	6	260	24	0.01	<2	2	20
ZZ28230		<10	1	0.08	10	0.37	310	<1	0.02	8	290	21	0.01	<2	3	28
ZZ28231		10	1	0.08	20	0.36	387	<1	0.02	8	440	21	0.02	<2	3	35
ZZ28232		<10	1	0.08	10	0.31	255	<1	0.02	7	350	17	0.01	<2	2	19
ZZ28233		10	1	0.08	20	0.45	261	<1	0.02	10	200	7	0.01	<2	4	26
ZZ28234		10	<1	0.09	10	0.51	282	<1	0.02	14	300	6	0.01	<2	4	24
ZZ28235		10	1	0.08	10	0.42	439	<1	0.02	11	310	6	0.01	<2	3	35
ZZ28236		<10	1	0.05	10	0.35	320	<1	0.03	11	910	3	0.09	<2	2	66
ZZ28237		<10	<1	0.05	10	0.36	329	<1	0.02	11	480	3	0.04	<2	3	43
ZZ28238		<10	1	0.07	20	0.35	313	<1	0.03	12	790	6	0.06	2	4	48
ZZ28239		<10	1	0.05	10	0.33	342	<1	0.03	9	770	4	0.04	<2	3	40
ZZ28240		10	1	0.07	10	0.45	385	<1	0.02	12	720	3	0.03	<2	4	32

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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
ZZ28191		<20	0.10	<10	<10	58	<10	39
ZZ28192		<20	0.05	<10	<10	79	<10	56
ZZ28193		<20	0.07	<10	<10	58	<10	40
ZZ28194		<20	0.06	<10	<10	44	<10	35
ZZ28195		<20	0.05	<10	<10	57	<10	52
ZZ28196		<20	0.05	<10	<10	57	<10	55
ZZ28197		<20	0.06	<10	<10	50	<10	51
ZZ28198		<20	0.06	<10	<10	52	<10	47
ZZ28199		<20	0.06	<10	<10	48	<10	48
ZZ28200		<20	0.05	<10	<10	44	<10	42
ZZ28201		<20	0.03	<10	<10	40	<10	42
ZZ28202		<20	0.03	<10	<10	25	<10	21
ZZ28203		<20	0.02	<10	<10	39	<10	69
ZZ28204		<20	0.03	<10	<10	39	<10	56
ZZ28205		<20	0.04	<10	<10	42	<10	49
ZZ28206		<20	0.04	<10	<10	40	<10	45
ZZ28207		<20	0.04	<10	<10	44	<10	48
ZZ28208		<20	0.04	<10	<10	44	<10	44
ZZ28209		<20	0.04	<10	<10	49	<10	51
ZZ28210		<20	0.04	<10	<10	54	<10	48
ZZ28221		<20	0.06	<10	<10	52	<10	28
ZZ28222		<20	0.05	<10	<10	43	<10	58
ZZ28223		<20	0.05	<10	<10	67	<10	47
ZZ28224		<20	0.05	<10	<10	53	<10	51
ZZ28225		<20	0.04	<10	<10	49	<10	47
ZZ28226		<20	0.05	<10	<10	51	<10	60
ZZ28227		<20	0.03	<10	<10	42	<10	51
ZZ28228		<20	0.05	<10	<10	53	<10	53
ZZ28229		<20	0.05	<10	<10	42	<10	48
ZZ28230		<20	0.06	<10	<10	50	<10	59
ZZ28231		<20	0.05	<10	<10	49	<10	56
ZZ28232		<20	0.06	<10	<10	42	<10	47
ZZ28233		<20	0.11	<10	<10	74	<10	42
ZZ28234		<20	0.08	<10	<10	66	<10	50
ZZ28235		<20	0.08	<10	<10	60	<10	44
ZZ28236		<20	0.03	<10	<10	37	<10	37
ZZ28237		<20	0.05	<10	<10	42	<10	38
ZZ28238		<20	0.04	<10	<10	47	<10	42
ZZ28239		<20	0.04	<10	<10	43	<10	36
ZZ28240		<20	0.05	<10	<10	53	<10	45

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CERTIFICATE OF ANALYSIS WH11170910

Sample Description / Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
ZZ28241	0.30	0.001	<0.2	1.44	9	<10	210	<0.5	<2	0.44	<0.5	6	21	18	1.80
ZZ28242	0.20	<0.001	<0.2	1.51	8	<10	190	<0.5	<2	0.39	<0.5	7	23	14	2.22
ZZ28243	0.24	0.001	<0.2	1.87	11	<10	200	<0.5	<2	0.37	<0.5	7	27	17	2.54
ZZ28244	0.18	0.003	<0.2	1.72	6	<10	160	<0.5	<2	0.39	<0.5	8	25	16	2.36
ZZ28245	0.26	0.002	<0.2	1.59	8	<10	150	<0.5	<2	0.35	<0.5	6	23	13	2.18
ZZ28246	0.22	0.003	<0.2	1.65	9	<10	120	<0.5	<2	0.19	<0.5	5	24	22	2.51
ZZ28247	0.24	0.003	<0.2	1.75	9	<10	130	<0.5	<2	0.22	<0.5	5	24	20	2.55
ZZ28248	0.26	0.001	<0.2	1.58	11	<10	120	<0.5	<2	0.26	<0.5	7	24	11	2.23
ZZ28249	0.20	0.002	<0.2	1.62	8	<10	150	<0.5	<2	0.26	<0.5	6	21	13	2.35
ZZ28250	0.16	0.003	<0.2	1.32	6	<10	110	<0.5	<2	0.25	<0.5	5	18	9	2.18
ZZ29001	0.28	0.004	<0.2	1.80	11	<10	150	<0.5	<2	0.31	<0.5	7	28	13	2.78
ZZ29002	0.20	0.005	<0.2	2.66	12	<10	250	0.5	2	0.37	<0.5	8	30	21	3.60
ZZ29003	0.26	0.001	<0.2	1.72	9	<10	120	<0.5	<2	0.20	<0.5	9	26	22	2.44
ZZ29004	0.24	0.002	<0.2	1.54	8	<10	140	<0.5	<2	0.35	<0.5	8	20	20	2.41
ZZ29005	0.30	0.005	<0.2	1.49	8	<10	170	<0.5	<2	0.40	<0.5	8	21	16	2.07
ZZ29006	0.32	0.001	<0.2	1.59	7	<10	280	<0.5	<2	0.54	<0.5	8	23	18	2.53
ZZ29007	0.18	0.003	<0.2	1.40	8	<10	410	<0.5	<2	1.12	<0.5	8	20	25	2.03
ZZ29008	0.26	0.004	<0.2	1.14	10	<10	290	<0.5	<2	0.92	<0.5	7	17	19	1.98
ZZ29009	0.22	0.013	<0.2	1.16	28	<10	350	<0.5	<2	0.57	<0.5	7	24	15	2.52
ZZ29010	0.32	0.003	<0.2	1.32	10	<10	410	0.6	<2	0.81	<0.5	9	26	25	2.71
ZZ29011	0.18	0.003	0.3	1.34	5	<10	760	<0.5	<2	1.11	<0.5	6	22	22	1.34
ZZ29012	0.34	0.003	<0.2	1.21	11	<10	370	0.5	<2	0.58	<0.5	7	20	17	2.30
ZZ29013	0.30	0.004	0.2	1.19	3	<10	430	0.6	<2	0.89	<0.5	6	19	21	1.10
ZZ29014	0.24	0.007	0.2	1.27	4	<10	520	0.6	<2	0.85	<0.5	7	23	23	1.55
ZZ29015	0.34	0.006	<0.2	0.90	17	<10	400	0.7	<2	0.57	<0.5	8	15	14	3.17
ZZ29016	0.36	0.031	<0.2	1.22	6	<10	500	0.5	<2	0.87	<0.5	7	18	16	1.96
ZZ29017	0.26	0.005	0.3	1.37	11	<10	720	0.7	<2	1.10	<0.5	9	20	21	2.77
ZZ29018	0.32	0.003	0.2	1.13	7	<10	400	0.5	<2	0.60	<0.5	6	19	12	1.92
ZZ29019	0.24	0.006	0.4	1.30	9	<10	610	0.6	<2	1.10	0.5	7	20	22	2.01
ZZ29020	0.28	0.009	0.2	1.27	10	<10	520	0.6	<2	0.88	<0.5	11	22	19	2.13
ZZ29021	0.28	0.002	<0.2	1.14	8	<10	570	0.5	<2	0.74	<0.5	9	20	15	2.09
ZZ29022	0.34	0.002	<0.2	0.99	6	<10	270	<0.5	<2	0.58	<0.5	7	18	10	1.93
ZZ29023	0.32	0.002	<0.2	1.44	10	<10	490	0.7	<2	0.95	<0.5	12	23	21	2.54
ZZ29024	0.32	0.002	<0.2	1.47	10	<10	330	0.6	<2	0.86	<0.5	11	25	19	2.70
ZZ29025	0.26	0.007	<0.2	1.30	7	<10	250	<0.5	<2	0.76	<0.5	8	20	18	2.33
ZZ29026	0.34	0.002	<0.2	1.37	9	<10	270	0.5	<2	0.68	<0.5	8	23	22	2.36
ZZ29027	0.38	0.001	<0.2	1.41	8	<10	340	0.5	<2	0.62	<0.5	7	22	18	2.20
ZZ29028	0.32	0.003	<0.2	1.37	8	<10	230	0.5	<2	0.49	<0.5	9	23	18	2.47
ZZ29029	0.28	0.007	<0.2	1.76	10	<10	330	0.6	<2	0.60	<0.5	9	21	28	2.44
ZZ29030	0.30	0.001	<0.2	1.84	9	<10	170	0.5	<2	0.27	<0.5	11	21	13	2.86

ALS Canada Ltd.

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

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ28241		<10	1	0.05	10	0.43	195	<1	0.03	12	640	3	0.01	<2	3	25
ZZ28242		10	<1	0.06	10	0.40	340	<1	0.02	12	590	5	0.01	<2	3	23
ZZ28243		10	1	0.07	10	0.49	308	<1	0.02	15	500	5	0.01	<2	3	27
ZZ28244		10	1	0.05	10	0.40	356	<1	0.02	13	460	6	0.02	<2	3	29
ZZ28245		<10	1	0.07	10	0.42	284	<1	0.02	13	720	5	0.01	<2	3	23
ZZ28246		10	1	0.07	10	0.34	308	<1	0.02	12	490	6	0.04	<2	2	19
ZZ28247		10	<1	0.06	10	0.37	252	<1	0.02	13	420	6	0.03	<2	2	21
ZZ28248		10	1	0.06	10	0.44	272	<1	0.02	14	510	4	0.02	<2	3	17
ZZ28249		10	1	0.06	10	0.34	279	<1	0.02	10	330	6	0.02	<2	3	22
ZZ28250		10	<1	0.05	10	0.32	156	<1	0.02	9	400	3	0.01	<2	2	18
ZZ29001		10	1	0.12	10	0.55	258	<1	0.02	13	410	7	0.01	<2	4	22
ZZ29002		10	1	0.08	10	0.69	404	<1	0.02	18	430	5	0.03	<2	3	34
ZZ29003		10	<1	0.07	10	0.41	196	1	0.02	26	340	7	0.01	<2	3	16
ZZ29004		10	<1	0.07	10	0.38	412	1	0.02	13	460	8	0.02	<2	2	27
ZZ29005		<10	<1	0.05	10	0.43	350	1	0.02	12	530	7	0.02	<2	3	24
ZZ29006		<10	<1	0.07	10	0.54	355	<1	0.03	14	560	8	0.02	<2	5	30
ZZ29007		<10	<1	0.06	10	0.38	405	<1	0.03	12	910	9	0.07	<2	3	47
ZZ29008		<10	1	0.07	10	0.34	462	<1	0.03	10	690	7	0.05	<2	3	42
ZZ29009		<10	<1	0.09	10	0.36	601	1	0.03	11	690	10	0.05	<2	3	33
ZZ29010		<10	<1	0.09	20	0.35	945	1	0.02	15	950	12	0.07	2	5	47
ZZ29011		<10	<1	0.07	10	0.31	4170	1	0.03	14	920	12	0.12	<2	4	64
ZZ29012		<10	1	0.10	10	0.32	170	<1	0.02	10	730	16	0.05	2	5	32
ZZ29013		<10	1	0.09	10	0.31	318	<1	0.02	9	790	17	0.09	<2	6	46
ZZ29014		<10	<1	0.10	20	0.36	266	<1	0.02	12	560	19	0.07	<2	5	49
ZZ29015		<10	<1	0.10	10	0.23	449	1	0.02	8	1190	20	0.02	2	5	29
ZZ29016		<10	<1	0.09	10	0.30	358	1	0.02	11	640	27	0.05	<2	3	49
ZZ29017		<10	<1	0.09	10	0.32	376	<1	0.03	14	820	32	0.07	2	3	64
ZZ29018		<10	<1	0.09	20	0.34	171	<1	0.02	10	530	25	0.03	<2	4	33
ZZ29019		<10	<1	0.08	20	0.34	339	<1	0.03	13	740	51	0.06	<2	3	60
ZZ29020		<10	1	0.09	10	0.34	673	<1	0.02	14	620	10	0.05	<2	3	51
ZZ29021		<10	<1	0.08	20	0.33	485	<1	0.02	13	660	7	0.04	<2	3	40
ZZ29022		<10	<1	0.06	10	0.32	284	<1	0.02	10	440	6	0.02	<2	3	31
ZZ29023		<10	<1	0.08	10	0.40	438	1	0.03	16	720	9	0.04	2	5	47
ZZ29024		<10	<1	0.07	10	0.45	544	1	0.03	15	770	9	0.03	2	4	42
ZZ29025		<10	<1	0.07	10	0.39	338	<1	0.03	12	560	7	0.03	<2	4	39
ZZ29026		<10	<1	0.07	10	0.43	347	<1	0.03	14	660	7	0.03	<2	5	33
ZZ29027		<10	<1	0.07	10	0.42	281	<1	0.03	14	570	12	0.02	<2	5	28
ZZ29028		<10	1	0.07	20	0.44	385	<1	0.03	13	560	8	0.01	<2	6	25
ZZ29029		<10	1	0.05	20	0.47	390	<1	0.03	12	890	7	0.03	<2	5	32
ZZ29030		10	<1	0.06	10	0.47	625	1	0.02	13	530	7	0.02	<2	5	19

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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ28241		<20	0.06	<10	<10	43	<10	35
ZZ28242		<20	0.07	<10	<10	52	<10	39
ZZ28243		<20	0.07	<10	<10	61	<10	44
ZZ28244		<20	0.07	<10	<10	56	<10	39
ZZ28245		<20	0.07	<10	<10	52	<10	42
ZZ28246		<20	0.08	<10	<10	67	<10	51
ZZ28247		<20	0.08	<10	<10	66	<10	44
ZZ28248		<20	0.08	<10	<10	53	<10	40
ZZ28249		<20	0.07	<10	<10	60	<10	42
ZZ28250		<20	0.07	<10	<10	54	<10	34
ZZ29001		<20	0.10	<10	<10	67	<10	47
ZZ29002		<20	0.09	<10	<10	85	<10	72
ZZ29003		<20	0.09	<10	<10	55	<10	49
ZZ29004		<20	0.07	<10	<10	56	<10	35
ZZ29005		<20	0.05	<10	<10	49	<10	38
ZZ29006		<20	0.06	<10	<10	54	<10	46
ZZ29007		<20	0.04	<10	<10	45	<10	39
ZZ29008		<20	0.04	<10	<10	43	<10	46
ZZ29009		<20	0.06	<10	<10	80	<10	53
ZZ29010		<20	0.04	<10	<10	64	<10	62
ZZ29011		<20	0.02	<10	<10	51	<10	66
ZZ29012		<20	0.03	<10	<10	51	<10	67
ZZ29013		<20	0.03	<10	<10	39	<10	67
ZZ29014		<20	0.03	<10	<10	41	<10	61
ZZ29015		<20	0.02	<10	<10	43	<10	69
ZZ29016		<20	0.03	<10	<10	39	<10	74
ZZ29017		<20	0.02	<10	<10	43	<10	81
ZZ29018		<20	0.03	<10	<10	39	<10	83
ZZ29019		<20	0.03	<10	<10	40	<10	89
ZZ29020		<20	0.03	<10	<10	42	<10	47
ZZ29021		<20	0.03	<10	<10	40	<10	48
ZZ29022		<20	0.04	<10	<10	41	<10	39
ZZ29023		<20	0.03	<10	<10	47	<10	46
ZZ29024		<20	0.05	<10	<10	53	<10	49
ZZ29025		<20	0.05	<10	<10	50	<10	43
ZZ29026		<20	0.05	<10	<10	50	<10	43
ZZ29027		<20	0.05	<10	<10	48	<10	43
ZZ29028		<20	0.06	<10	<10	56	<10	45
ZZ29029		<20	0.04	<10	<10	57	<10	38
ZZ29030		<20	0.04	<10	<10	63	<10	47

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CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29031		0.28	0.003	<0.2	1.46	9	<10	180	<0.5	<2	0.34	<0.5	8	25	13	2.37
ZZ29032		0.22	0.003	<0.2	1.45	6	<10	330	<0.5	<2	0.70	<0.5	8	21	28	2.11
ZZ29033		0.28	0.005	<0.2	1.65	9	<10	120	<0.5	<2	0.21	<0.5	8	26	12	2.48
ZZ29034		0.24	0.001	<0.2	1.59	11	<10	80	<0.5	<2	0.20	<0.5	8	24	14	2.18
ZZ29035		0.30	0.004	<0.2	1.47	22	<10	290	0.5	<2	0.50	<0.5	10	22	17	3.12
ZZ29036		0.22	0.001	<0.2	1.49	10	<10	130	<0.5	<2	0.33	<0.5	7	25	14	2.98
ZZ29037		0.30	0.009	<0.2	1.64	6	<10	220	<0.5	<2	0.62	<0.5	12	59	30	2.20
ZZ29038		0.32	0.010	<0.2	1.23	5	<10	140	<0.5	<2	0.44	<0.5	7	23	11	1.68
ZZ29039		0.32	0.001	<0.2	1.24	<2	<10	130	<0.5	<2	0.43	<0.5	7	25	18	1.88
ZZ29040		0.26	0.002	<0.2	1.44	2	<10	130	<0.5	<2	0.33	<0.5	6	23	15	2.00
ZZ29041		0.38	0.030	<0.2	1.82	5	<10	280	0.5	<2	0.46	<0.5	8	23	17	2.41
ZZ29042		0.34	0.002	<0.2	1.81	7	<10	300	<0.5	<2	0.48	<0.5	7	27	19	2.53
ZZ29043		0.28	0.003	<0.2	1.25	6	<10	120	<0.5	<2	0.32	<0.5	6	20	14	2.21
ZZ29044		0.24	0.002	<0.2	1.71	7	<10	160	<0.5	<2	0.27	<0.5	7	25	15	2.40
ZZ29045		0.28	0.003	<0.2	1.45	5	<10	290	<0.5	<2	0.39	<0.5	7	22	14	2.18
ZZ29046		0.22	0.008	<0.2	1.49	4	<10	140	<0.5	<2	0.41	<0.5	6	22	17	2.26
ZZ29047		0.22	0.002	<0.2	1.27	3	<10	170	<0.5	<2	0.47	<0.5	6	18	11	2.03
ZZ29048		0.24	0.004	<0.2	1.48	5	<10	320	<0.5	<2	0.60	<0.5	6	22	18	2.28
ZZ29049		0.30	0.017	<0.2	1.27	4	<10	220	<0.5	<2	0.64	<0.5	7	21	14	2.30
ZZ29050		0.30	0.004	<0.2	1.25	8	<10	290	<0.5	<2	0.78	<0.5	7	18	16	2.60
ZZ29141		0.30	0.007	<0.2	2.00	9	<10	430	0.5	<2	0.71	<0.5	10	28	23	2.95
ZZ29142		0.30	0.005	<0.2	1.66	5	<10	140	<0.5	<2	0.35	<0.5	6	25	14	2.49
ZZ29143		0.52	0.003	<0.2	2.17	11	<10	170	<0.5	<2	0.34	<0.5	9	28	14	2.81
ZZ29144		0.46	0.004	<0.2	1.64	9	<10	300	0.5	<2	0.45	<0.5	19	15	11	3.61
ZZ29145		0.24	0.004	<0.2	2.28	7	<10	170	<0.5	<2	0.38	<0.5	6	20	15	3.21
ZZ29146		0.32	0.006	<0.2	2.05	5	<10	170	<0.5	<2	0.22	<0.5	7	26	14	3.12
ZZ29147		0.44	0.003	<0.2	2.06	8	<10	140	<0.5	<2	0.27	<0.5	8	25	20	2.83
ZZ29148		0.30	0.002	<0.2	1.90	10	<10	90	<0.5	<2	0.28	<0.5	5	23	10	3.30
ZZ29149		0.40	0.003	<0.2	1.46	4	<10	220	<0.5	<2	0.53	<0.5	6	18	17	2.35
ZZ29150		0.40	0.004	<0.2	1.47	6	<10	220	<0.5	<2	0.69	<0.5	7	19	18	2.47
ZZ29151		0.30	0.008	<0.2	1.53	6	<10	430	0.5	<2	0.52	<0.5	7	20	16	2.56
ZZ29152		0.26	0.006	<0.2	1.62	7	<10	610	0.6	<2	0.96	<0.5	11	22	18	2.76
ZZ29153		0.24	0.021	<0.2	1.49	7	<10	510	0.5	<2	0.83	<0.5	8	18	19	2.66
ZZ29154		0.30	0.003	<0.2	1.49	5	<10	530	0.5	<2	0.68	<0.5	8	24	15	2.34
ZZ29155		0.32	0.004	<0.2	1.70	8	<10	560	0.5	<2	0.86	<0.5	10	24	17	2.53
ZZ29156		0.26	0.006	<0.2	1.19	6	<10	440	0.5	<2	0.71	<0.5	7	18	12	2.26
ZZ29157		0.38	0.008	<0.2	1.42	5	<10	350	0.6	<2	0.53	<0.5	6	22	11	2.43
ZZ29158		0.32	0.003	<0.2	1.19	10	<10	360	<0.5	<2	0.82	<0.5	8	19	13	2.22
ZZ29159		0.26	0.024	<0.2	1.35	14	<10	520	0.7	<2	0.70	<0.5	8	19	16	3.01
ZZ29160		0.36	0.006	<0.2	1.29	6	<10	400	0.5	<2	0.69	<0.5	9	21	12	2.50

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CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29031		10	1	0.07	10	0.45	300	1	0.02	14	420	7	0.02	<2	3	20
ZZ29032		10	<1	0.05	10	0.32	556	1	0.03	11	830	9	0.04	<2	2	34
ZZ29033		<10	<1	0.06	10	0.41	243	1	0.02	16	400	10	0.01	<2	3	14
ZZ29034		<10	<1	0.05	10	0.41	200	1	0.02	16	400	7	0.02	<2	3	15
ZZ29035		10	<1	0.09	10	0.33	755	1	0.02	12	860	11	0.05	2	3	29
ZZ29036		10	1	0.08	10	0.37	279	1	0.02	14	530	8	0.05	<2	2	25
ZZ29037		10	<1	0.08	10	0.87	292	1	0.03	43	1070	8	0.04	<2	5	35
ZZ29038		<10	<1	0.05	10	0.49	172	<1	0.03	13	680	6	0.01	<2	3	24
ZZ29039		<10	1	0.05	10	0.48	212	<1	0.02	16	670	9	0.01	<2	3	27
ZZ29040		<10	1	0.05	10	0.43	177	<1	0.01	13	560	6	0.02	<2	3	23
ZZ29041		<10	1	0.08	10	0.55	274	<1	0.01	14	650	7	0.01	<2	5	24
ZZ29042		<10	<1	0.07	10	0.59	276	<1	0.02	17	550	6	0.02	<2	4	32
ZZ29043		<10	<1	0.07	10	0.40	266	<1	0.01	12	650	5	0.01	<2	3	20
ZZ29044		<10	<1	0.07	10	0.44	243	<1	0.01	14	420	5	0.01	<2	3	21
ZZ29045		<10	<1	0.08	10	0.48	333	<1	0.01	14	570	3	0.01	<2	3	24
ZZ29046		<10	1	0.07	10	0.42	307	<1	0.01	15	550	17	0.02	<2	3	28
ZZ29047		<10	<1	0.06	10	0.37	287	<1	0.01	9	700	10	0.01	<2	3	28
ZZ29048		<10	1	0.06	10	0.46	358	<1	0.01	12	670	15	0.03	<2	4	30
ZZ29049		<10	1	0.07	10	0.45	365	<1	0.02	11	580	6	0.03	<2	3	30
ZZ29050		<10	1	0.08	10	0.39	472	<1	0.02	9	580	9	0.04	<2	4	35
ZZ29141		<10	1	0.09	10	0.63	690	<1	0.02	16	670	6	0.03	<2	6	36
ZZ29142		10	<1	0.07	10	0.47	209	<1	0.01	11	270	6	0.01	<2	3	25
ZZ29143		10	<1	0.07	10	0.53	330	<1	0.01	15	820	5	0.02	<2	4	22
ZZ29144		<10	<1	0.07	10	0.61	843	<1	0.01	7	960	8	0.02	3	5	25
ZZ29145		10	1	0.07	10	0.56	275	<1	0.01	9	290	7	0.02	2	4	41
ZZ29146		10	1	0.08	10	0.46	296	<1	0.01	12	400	7	0.02	2	4	20
ZZ29147		10	1	0.06	10	0.40	253	<1	0.01	14	480	6	0.02	2	3	20
ZZ29148		10	<1	0.06	10	0.41	195	<1	0.01	9	340	9	0.01	3	3	21
ZZ29149		<10	1	0.06	10	0.33	417	<1	0.02	9	680	5	0.03	2	4	29
ZZ29150		<10	1	0.07	10	0.42	572	<1	0.02	10	760	7	0.04	<2	4	39
ZZ29151		<10	1	0.07	10	0.40	388	<1	0.02	10	800	20	0.02	3	5	28
ZZ29152		<10	1	0.06	10	0.40	494	<1	0.02	13	1040	8	0.07	4	4	40
ZZ29153		<10	1	0.08	10	0.35	372	<1	0.02	9	830	6	0.05	2	4	35
ZZ29154		<10	1	0.08	10	0.41	504	<1	0.01	12	850	7	0.05	<2	4	39
ZZ29155		<10	1	0.08	10	0.48	505	<1	0.02	12	750	7	0.05	<2	5	41
ZZ29156		<10	<1	0.07	10	0.33	304	<1	0.02	9	610	13	0.04	2	3	35
ZZ29157		<10	1	0.08	20	0.41	241	<1	0.01	10	610	18	0.03	2	5	28
ZZ29158		<10	<1	0.06	10	0.35	355	<1	0.02	10	770	9	0.05	<2	3	40
ZZ29159		<10	1	0.10	20	0.36	561	<1	0.01	11	900	10	0.03	<2	5	34
ZZ29160		<10	1	0.08	10	0.42	332	<1	0.01	11	800	6	0.03	2	5	34

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

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29031		<20	0.07	<10	<10	56	<10	45
ZZ29032		<20	0.06	<10	<10	54	<10	35
ZZ29033		<20	0.08	<10	<10	58	<10	43
ZZ29034		<20	0.07	<10	<10	50	<10	39
ZZ29035		<20	0.04	<10	<10	77	<10	55
ZZ29036		<20	0.09	<10	<10	76	<10	51
ZZ29037		<20	0.09	<10	<10	55	<10	40
ZZ29038		<20	0.08	<10	<10	44	<10	36
ZZ29039		<20	0.08	<10	<10	47	<10	40
ZZ29040		<20	0.07	<10	<10	43	<10	32
ZZ29041		<20	0.05	<10	<10	48	<10	42
ZZ29042		<20	0.07	<10	<10	51	<10	46
ZZ29043		<20	0.06	<10	<10	47	<10	37
ZZ29044		<20	0.07	<10	<10	51	<10	39
ZZ29045		<20	0.06	<10	<10	46	<10	40
ZZ29046		<20	0.06	<10	<10	52	<10	38
ZZ29047		<20	0.04	<10	<10	43	<10	36
ZZ29048		<20	0.05	<10	<10	46	<10	41
ZZ29049		<20	0.06	<10	<10	48	<10	43
ZZ29050		<20	0.04	<10	<10	49	<10	53
ZZ29141		<20	0.06	<10	<10	63	<10	55
ZZ29142		<20	0.08	<10	<10	64	<10	42
ZZ29143		<20	0.07	10	<10	57	<10	48
ZZ29144		<20	0.02	<10	<10	59	<10	51
ZZ29145		<20	0.07	<10	<10	85	<10	45
ZZ29146		<20	0.06	<10	<10	67	<10	46
ZZ29147		<20	0.07	<10	<10	65	<10	39
ZZ29148		<20	0.06	<10	<10	80	<10	33
ZZ29149		<20	0.05	<10	<10	54	<10	40
ZZ29150		<20	0.04	<10	<10	51	<10	52
ZZ29151		<20	0.04	<10	<10	51	<10	50
ZZ29152		<20	0.03	<10	<10	52	<10	60
ZZ29153		<20	0.03	<10	<10	56	<10	54
ZZ29154		<20	0.04	<10	<10	47	<10	52
ZZ29155		<20	0.04	<10	<10	49	<10	59
ZZ29156		<20	0.03	<10	<10	41	<10	46
ZZ29157		<20	0.04	<10	<10	45	<10	51
ZZ29158		<20	0.04	<10	<10	42	<10	50
ZZ29159		<20	0.03	<10	<10	48	<10	62
ZZ29160		<20	0.04	<10	<10	49	<10	67

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Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29161		0.28	0.004	<0.2	1.46	4	<10	380	0.5	<2	0.65	<0.5	6	23	14	2.38
ZZ29162		0.30	0.006	<0.2	1.34	4	<10	460	<0.5	<2	0.58	<0.5	6	20	12	2.33
ZZ29163		0.30	0.004	<0.2	1.29	8	<10	490	<0.5	<2	0.72	<0.5	7	20	11	2.21
ZZ29164		0.30	0.006	<0.2	1.41	6	<10	480	0.5	<2	0.69	<0.5	6	22	14	2.50
ZZ29165		0.30	0.007	<0.2	1.26	7	<10	710	0.5	<2	1.32	<0.5	10	21	26	2.10
ZZ29166		0.24	0.004	<0.2	1.25	11	<10	560	<0.5	<2	0.66	<0.5	10	23	15	2.61

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CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ29161		<10	1	0.07	10	0.44	453	<1	0.02	11	830	8	0.04	<2	4	34
ZZ29162		<10	<1	0.07	10	0.38	319	<1	0.01	10	630	5	0.03	<2	4	30
ZZ29163		<10	1	0.08	10	0.35	411	<1	0.01	10	850	7	0.04	<2	4	38
ZZ29164		<10	1	0.09	10	0.40	321	<1	0.01	11	690	6	0.04	<2	4	33
ZZ29165		<10	<1	0.08	10	0.34	857	<1	0.01	19	860	8	0.06	2	3	59
ZZ29166		<10	<1	0.08	10	0.38	403	<1	0.01	13	730	7	0.03	<2	5	33

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Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11170910

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29161		<20	0.04	<10	<10	48	<10	46
ZZ29162		<20	0.04	<10	<10	43	<10	47
ZZ29163		<20	0.03	<10	<10	42	<10	53
ZZ29164		<20	0.04	<10	<10	44	<10	51
ZZ29165		<20	0.04	<10	<10	42	<10	60
ZZ29166		<20	0.04	<10	<10	47	<10	48

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Finalized Date: 5- OCT- 2011
Account: F

CERTIFICATE WH11169044

Project: Wolverine - Dade

P.O. No.: Trench F

This report is for 33 Soil samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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Finalized Date: 5- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169044

Sample Description	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29236	0.50	0.205	<0.2	1.53	247	<10	270	0.9	4	0.61	<0.5	21	24	58	4.98
ZZ29237	0.42	0.018	<0.2	1.95	37	<10	200	0.7	<2	0.44	<0.5	13	31	27	3.94
ZZ29238	0.42	0.012	<0.2	0.62	187	<10	320	1.1	<2	1.90	<0.5	12	5	27	4.13
ZZ29239	0.40	0.050	<0.2	0.61	131	<10	310	1.4	<2	2.42	<0.5	17	14	45	5.61
ZZ29240	0.54	0.100	<0.2	0.77	459	<10	520	2.4	3	0.50	<0.5	11	10	42	7.74
ZZ29241	0.52	0.103	<0.2	0.69	197	<10	190	0.9	3	0.61	<0.5	6	7	32	2.88
ZZ29242	0.30	0.797	0.5	0.91	864	<10	250	1.2	11	0.61	0.7	52	10	140	7.52
ZZ29243	0.42	0.666	2.7	1.45	608	<10	280	1.1	15	0.91	0.6	47	15	116	7.00
ZZ29244	0.32	7.26	93.9	0.96	9030	<10	200	1.5	590	0.31	7.4	682	8	1060	20.1
ZZ29245	0.50	0.197	1.1	0.30	477	<10	190	1.8	6	0.24	<0.5	51	3	26	1.26
ZZ29246	0.42	0.043	<0.2	0.32	50	<10	440	1.7	3	0.25	<0.5	3	2	11	1.04
ZZ29247	0.44	0.008	<0.2	0.75	23	<10	170	1.2	2	0.71	<0.5	12	6	11	4.87
ZZ29248	0.34	0.003	<0.2	0.43	8	<10	1730	0.8	<2	0.36	<0.5	5	6	7	2.58
ZZ29249	0.36	0.004	<0.2	0.70	57	<10	170	1.6	2	0.89	<0.5	9	8	23	4.16
ZZ29250	0.50	0.012	<0.2	1.32	28	<10	330	1.8	<2	1.18	<0.5	13	15	27	7.18
ZZ29051	0.44	0.011	<0.2	1.10	31	<10	280	1.6	2	0.88	<0.5	10	17	35	5.48
ZZ29052	0.42	0.015	<0.2	0.96	10	<10	130	2.1	<2	0.96	<0.5	10	10	11	4.63
ZZ29053	0.42	0.030	<0.2	1.26	60	<10	180	2.0	3	0.80	<0.5	9	12	59	5.49
ZZ29054	0.40	0.012	<0.2	0.98	223	<10	360	2.4	2	0.54	<0.5	18	15	34	7.12
ZZ29055	0.56	0.002	<0.2	0.98	10	<10	190	0.5	<2	0.81	<0.5	10	12	15	2.95
ZZ29056	0.52	0.004	<0.2	1.37	11	<10	190	0.7	<2	0.66	<0.5	9	18	18	3.60
ZZ29057	0.54	0.002	<0.2	1.13	10	<10	160	0.5	2	0.81	<0.5	12	18	22	3.16
ZZ29058	0.70	0.004	<0.2	1.57	13	<10	220	0.6	<2	0.79	<0.5	12	24	30	3.88
ZZ29059	0.58	0.003	<0.2	1.39	16	<10	160	0.7	2	0.80	<0.5	12	20	28	3.92
ZZ29060	0.44	0.003	<0.2	1.73	10	<10	260	1.0	2	1.22	<0.5	22	26	55	5.37
ZZ29061	0.38	0.003	<0.2	1.43	11	<10	200	0.7	<2	0.75	<0.5	11	21	25	3.69
ZZ29062	0.54	0.004	<0.2	1.23	8	<10	250	0.5	<2	0.47	<0.5	7	17	14	2.46
ZZ29063	0.52	0.003	<0.2	1.27	14	<10	280	1.0	<2	0.89	<0.5	10	14	19	4.44
ZZ29064	0.50	0.004	<0.2	1.06	38	<10	310	1.2	<2	0.80	<0.5	11	12	18	5.47
ZZ29065	0.52	0.004	<0.2	1.46	17	<10	230	1.0	<2	0.87	<0.5	11	16	22	4.82
ZZ29066	0.28	0.003	<0.2	1.05	18	<10	260	1.1	2	0.87	<0.5	12	13	29	5.34
ZZ29067	0.42	0.009	<0.2	0.52	10	<10	190	1.5	<2	5.34	<0.5	15	23	6	4.53
ZZ29068	0.60	0.001	<0.2	0.72	20	<10	190	1.0	2	0.79	<0.5	10	7	20	4.06

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Finalized Date: 5- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169044

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ29236		10	1	0.10	20	0.52	933	6	0.04	17	1590	14	0.03	6	10	30
ZZ29237		10	<1	0.09	10	0.63	735	1	0.03	21	1060	7	0.02	2	7	24
ZZ29238		<10	1	0.08	20	0.13	1605	2	0.02	8	2380	9	0.02	16	20	49
ZZ29239		<10	<1	0.11	20	0.14	1435	1	0.02	21	2670	11	0.02	22	22	59
ZZ29240		<10	<1	0.13	10	0.14	1015	8	0.03	11	910	17	0.03	28	11	28
ZZ29241		<10	1	0.09	10	0.11	572	3	0.02	5	1210	12	0.02	14	11	22
ZZ29242		<10	<1	0.10	20	0.25	1045	19	0.03	8	1840	37	0.14	8	11	34
ZZ29243		10	1	0.12	20	0.59	1520	18	0.04	10	2320	88	0.07	10	15	39
ZZ29244		<10	6	0.08	10	0.06	832	579	0.01	21	750	1765	0.19	554	8	89
ZZ29245		<10	1	0.11	<10	0.05	531	12	0.01	5	170	69	0.01	12	1	24
ZZ29246		<10	<1	0.11	10	0.06	464	9	0.02	3	220	34	0.02	7	2	21
ZZ29247		<10	1	0.10	10	0.13	736	1	0.02	10	2180	12	0.02	<2	11	22
ZZ29248		<10	<1	0.07	10	0.08	1330	1	0.02	5	740	12	0.05	<2	9	24
ZZ29249		<10	<1	0.12	20	0.12	940	2	0.03	27	2380	10	0.03	5	28	26
ZZ29250		<10	1	0.17	30	0.27	1365	3	0.04	16	3330	8	0.02	4	25	38
ZZ29051		<10	<1	0.14	40	0.24	814	3	0.03	13	2580	15	0.02	4	18	33
ZZ29052		<10	<1	0.19	10	0.23	474	9	0.03	74	2740	5	0.02	<2	12	29
ZZ29053		<10	<1	0.14	20	0.40	653	59	0.03	52	2490	14	0.02	10	13	25
ZZ29054		<10	<1	0.16	20	0.21	1390	4	0.02	22	1270	26	0.02	8	12	23
ZZ29055		<10	<1	0.09	10	0.40	731	1	0.03	9	2410	7	0.01	<2	6	24
ZZ29056		10	<1	0.10	20	0.47	634	1	0.04	12	1440	6	0.02	3	8	28
ZZ29057		<10	<1	0.11	10	0.53	676	1	0.04	13	2290	4	0.02	2	6	28
ZZ29058		10	<1	0.15	20	0.66	642	1	0.04	16	1920	5	0.02	2	8	33
ZZ29059		10	<1	0.10	20	0.53	739	1	0.04	14	2080	6	0.02	2	9	30
ZZ29060		10	1	0.09	20	0.65	1355	1	0.04	27	2970	7	0.02	11	15	52
ZZ29061		10	1	0.14	20	0.51	855	1	0.04	11	1660	7	0.02	2	9	29
ZZ29062		<10	<1	0.08	20	0.40	379	<1	0.03	10	710	4	0.02	2	7	24
ZZ29063		10	<1	0.13	20	0.43	895	1	0.04	8	2170	6	0.02	2	12	32
ZZ29064		<10	1	0.14	20	0.27	1295	1	0.03	9	2140	10	0.02	3	14	33
ZZ29065		10	<1	0.15	20	0.51	739	1	0.04	10	2230	8	0.02	3	13	30
ZZ29066		<10	<1	0.13	20	0.26	807	1	0.03	10	2590	11	0.01	6	14	30
ZZ29067		<10	1	0.18	10	0.18	1290	<1	0.03	9	1680	6	0.02	5	36	66
ZZ29068		<10	1	0.10	20	0.17	815	1	0.02	5	2290	14	0.01	5	17	23

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169044

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29236		<20	0.05	<10	<10	83	<10	75
ZZ29237		<20	0.07	<10	<10	76	<10	68
ZZ29238		<20	<0.01	<10	<10	58	<10	85
ZZ29239		<20	<0.01	<10	<10	86	<10	83
ZZ29240		<20	<0.01	<10	<10	54	60	101
ZZ29241		<20	<0.01	<10	<10	32	<10	37
ZZ29242		<20	0.01	<10	<10	67	10	87
ZZ29243		<20	0.04	<10	<10	101	10	95
ZZ29244		<20	<0.01	<10	10	65	10	210
ZZ29245		<20	<0.01	<10	<10	4	<10	72
ZZ29246		<20	<0.01	<10	<10	5	<10	49
ZZ29247		<20	<0.01	<10	<10	43	<10	92
ZZ29248		<20	<0.01	<10	<10	23	<10	60
ZZ29249		<20	<0.01	<10	<10	82	<10	52
ZZ29250		<20	0.01	<10	<10	114	<10	120
ZZ29051		<20	0.01	<10	<10	85	<10	96
ZZ29052		<20	0.01	<10	<10	53	<10	77
ZZ29053		<20	0.01	<10	<10	70	<10	82
ZZ29054		<20	0.01	<10	<10	46	<10	103
ZZ29055		<20	0.05	<10	<10	56	<10	57
ZZ29056		<20	0.05	<10	<10	67	<10	72
ZZ29057		<20	0.08	<10	<10	67	<10	56
ZZ29058		<20	0.08	<10	<10	81	<10	71
ZZ29059		<20	0.05	<10	<10	77	<10	69
ZZ29060		<20	0.03	<10	<10	97	<10	91
ZZ29061		<20	0.06	<10	<10	72	<10	70
ZZ29062		<20	0.05	<10	<10	47	<10	47
ZZ29063		<20	0.03	<10	<10	71	<10	87
ZZ29064		<20	0.02	<10	<10	69	<10	96
ZZ29065		<20	0.04	<10	<10	83	<10	96
ZZ29066		<20	0.02	<10	<10	89	<10	106
ZZ29067		<20	<0.01	<10	<10	101	<10	98
ZZ29068		<20	0.01	<10	<10	96	<10	65

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

Finalized Date: 7- OCT- 2011
Account: F

CERTIFICATE WH11169043

Project: Wolverine - Dade

P.O. No.: Trench G

This report is for 35 Soil samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 7- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169043

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ29069		0.36	0.004	<0.2	1.05	31	<10	350	1.7	<2	0.92	<0.5	13	6	17	6.87
ZZ29070		0.54	0.004	<0.2	1.24	24	<10	310	1.3	<2	1.10	<0.5	14	13	27	6.45
ZZ29071		0.44	0.005	0.2	1.53	12	<10	330	1.4	<2	0.89	<0.5	14	8	45	6.44
ZZ29072		0.42	0.006	0.3	2.21	11	<10	370	1.4	<2	0.71	<0.5	28	99	56	6.93
ZZ29073		0.46	0.017	<0.2	1.39	13	<10	280	0.7	<2	0.54	<0.5	8	25	18	3.51
ZZ29074		0.54	0.006	<0.2	1.68	19	<10	300	0.8	<2	0.68	<0.5	10	33	24	3.81
ZZ29075		0.56	0.004	<0.2	1.33	11	<10	240	0.6	<2	0.59	<0.5	8	25	19	3.02
ZZ29076		0.68	0.004	<0.2	1.66	14	<10	280	0.7	<2	0.77	<0.5	11	22	20	4.33
ZZ29077		0.76	0.003	<0.2	1.34	9	<10	210	0.5	<2	0.67	<0.5	9	19	19	3.14
ZZ29078		0.70	0.003	0.2	1.54	11	<10	200	0.6	<2	0.74	<0.5	12	21	27	3.60
ZZ29079		0.70	0.003	<0.2	1.24	10	<10	180	0.5	<2	0.58	<0.5	10	19	19	3.05
ZZ29080		0.58	0.004	0.2	1.58	12	<10	220	0.6	<2	0.69	<0.5	10	21	27	3.59
ZZ29081		0.46	0.005	<0.2	1.40	12	<10	190	0.5	<2	0.59	<0.5	9	20	23	3.09
ZZ29082		0.56	0.003	<0.2	1.04	7	<10	160	<0.5	<2	0.46	<0.5	7	16	15	2.29
ZZ29083		0.34	0.002	<0.2	1.40	9	<10	230	0.5	<2	0.59	<0.5	9	19	16	3.13
ZZ29084		0.46	0.005	<0.2	1.65	12	<10	260	0.7	<2	0.69	<0.5	12	22	22	3.99
ZZ29085		0.52	0.003	<0.2	1.58	8	<10	230	0.6	<2	0.63	<0.5	11	27	24	3.51
ZZ29086		0.58	0.004	<0.2	1.37	8	<10	200	0.5	<2	0.64	<0.5	12	21	21	3.16
ZZ29087		0.34	0.004	<0.2	0.96	6	<10	150	<0.5	<2	0.40	<0.5	5	18	13	1.95
ZZ29088		0.46	0.006	<0.2	1.21	32	<10	280	1.1	<2	0.61	<0.5	10	15	20	4.00
ZZ29089		0.48	0.006	<0.2	1.67	15	<10	280	0.8	<2	0.67	<0.5	12	22	23	4.00
ZZ29090		0.48	0.120	0.3	0.87	159	<10	620	1.9	<2	0.74	<0.5	15	10	51	6.96
ZZ29091		0.36	0.004	0.2	1.17	34	<10	490	1.4	<2	0.88	<0.5	18	10	28	6.89
ZZ29092		0.44	0.004	<0.2	1.52	28	<10	260	0.8	<2	0.71	<0.5	16	19	25	4.08
ZZ29093		0.42	0.004	<0.2	1.54	14	<10	370	1.3	<2	0.88	<0.5	19	15	31	7.55
ZZ29094		0.48	0.030	<0.2	1.26	53	<10	390	1.1	<2	0.82	<0.5	23	35	64	6.78
ZZ29095		0.50	0.240	0.4	0.72	429	<10	980	2.5	3	0.38	<0.5	15	8	41	4.39
ZZ29096		0.38	0.076	0.8	0.99	760	<10	430	1.6	4	0.62	0.5	24	16	61	5.61
ZZ29097		0.40	0.040	<0.2	0.65	241	<10	280	1.3	<2	0.71	<0.5	15	9	40	4.95
ZZ29098		0.42	0.024	0.2	0.75	105	<10	140	1.1	<2	0.74	<0.5	11	6	46	4.43
ZZ29099		0.44	0.048	0.2	0.92	97	<10	230	1.4	<2	0.85	<0.5	14	9	31	5.78
ZZ29100		0.42	0.014	<0.2	0.48	77	<10	70	1.0	<2	0.66	<0.5	12	9	29	4.93
ZZ29101		0.50	0.578	0.5	1.54	312	<10	310	1.2	7	0.80	<0.5	18	17	59	6.10
ZZ29102		0.50	0.424	0.3	1.52	301	<10	320	0.9	6	0.76	<0.5	18	19	51	5.33
ZZ29103		0.68	0.380	0.4	1.71	340	<10	320	1.0	7	0.75	<0.5	19	21	55	5.69

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169043

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29069		<10	<1	0.14	20	0.14	1235	<1	0.01	6	2600	11	<0.01	5	18	32
ZZ29070		<10	<1	0.13	20	0.28	1215	1	0.02	7	3150	8	0.01	6	17	32
ZZ29071		10	<1	0.16	20	0.48	1080	<1	0.01	6	2580	15	0.01	3	18	27
ZZ29072		10	<1	0.13	30	1.22	1225	<1	0.01	30	1380	11	0.04	3	25	31
ZZ29073		<10	<1	0.09	20	0.46	519	<1	0.02	12	950	7	0.01	<2	9	29
ZZ29074		10	<1	0.15	20	0.59	614	<1	0.02	13	1340	7	0.01	2	11	32
ZZ29075		<10	<1	0.10	20	0.49	498	<1	0.01	12	1220	7	<0.01	2	8	28
ZZ29076		10	1	0.11	10	0.59	883	<1	0.02	13	1850	9	0.01	2	9	31
ZZ29077		<10	<1	0.11	20	0.54	678	<1	0.01	10	1490	6	<0.01	<2	7	29
ZZ29078		<10	1	0.11	20	0.53	675	<1	0.02	12	1610	8	0.01	2	9	32
ZZ29079		<10	<1	0.08	20	0.49	590	<1	0.02	10	1220	6	0.01	<2	6	27
ZZ29080		10	<1	0.11	20	0.52	740	<1	0.02	11	1420	7	0.01	<2	9	29
ZZ29081		<10	<1	0.10	20	0.45	631	<1	0.01	11	1150	7	<0.01	2	7	26
ZZ29082		<10	<1	0.06	10	0.36	491	<1	0.01	9	900	5	<0.01	<2	5	21
ZZ29083		<10	1	0.07	10	0.48	628	<1	0.02	10	1290	6	0.01	<2	6	27
ZZ29084		10	<1	0.11	20	0.63	902	<1	0.02	12	1440	8	0.01	<2	8	32
ZZ29085		10	<1	0.12	20	0.54	729	<1	0.02	14	1210	7	0.01	<2	9	30
ZZ29086		<10	1	0.08	20	0.53	803	<1	0.01	11	1370	6	<0.01	<2	7	27
ZZ29087		<10	<1	0.06	10	0.37	280	<1	0.01	10	650	5	<0.01	<2	4	22
ZZ29088		<10	<1	0.11	20	0.35	973	1	0.01	9	1480	14	0.01	<2	9	27
ZZ29089		10	<1	0.11	20	0.54	859	<1	0.01	11	1430	8	<0.01	<2	11	30
ZZ29090		<10	<1	0.15	30	0.22	3780	2	0.01	12	1450	23	0.03	11	16	39
ZZ29091		<10	1	0.15	30	0.28	2030	<1	0.01	8	2400	10	0.02	3	23	38
ZZ29092		10	1	0.11	20	0.55	1115	<1	0.02	11	1670	9	0.01	2	11	30
ZZ29093		10	<1	0.34	30	0.49	1700	<1	0.01	11	2320	8	0.01	<2	23	33
ZZ29094		10	1	0.25	40	0.51	1495	<1	0.01	25	2290	8	0.03	2	22	31
ZZ29095		<10	<1	0.17	20	0.18	3840	15	<0.01	13	460	35	0.01	12	11	41
ZZ29096		<10	1	0.12	20	0.33	1975	7	0.01	18	1490	48	0.01	16	13	38
ZZ29097		<10	<1	0.09	10	0.10	1225	3	0.01	9	2140	13	0.01	17	16	24
ZZ29098		<10	<1	0.09	10	0.15	981	3	0.01	4	2280	14	0.01	19	15	24
ZZ29099		<10	<1	0.09	20	0.24	1265	2	0.01	5	2550	12	0.02	7	18	27
ZZ29100		<10	<1	0.07	10	0.08	1205	2	0.01	5	1890	11	0.01	12	12	20
ZZ29101		10	<1	0.11	30	0.50	1520	4	0.01	18	2200	18	0.01	7	15	32
ZZ29102		10	<1	0.10	30	0.57	1310	4	0.02	13	2020	14	0.01	4	13	33
ZZ29103		10	<1	0.11	30	0.62	1305	5	0.02	13	1990	12	0.01	4	14	32

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

Finalized Date: 7- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169043

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29069		<20	<0.01	<10	<10	85	<10	132
ZZ29070		<20	0.01	<10	<10	111	<10	117
ZZ29071		<20	0.01	<10	<10	91	<10	118
ZZ29072		<20	0.02	<10	<10	151	<10	132
ZZ29073		<20	0.05	<10	<10	72	<10	67
ZZ29074		<20	0.07	<10	<10	78	<10	80
ZZ29075		<20	0.06	<10	<10	61	<10	61
ZZ29076		<20	0.06	<10	<10	85	<10	82
ZZ29077		<20	0.08	<10	<10	67	<10	59
ZZ29078		<20	0.07	<10	<10	73	<10	64
ZZ29079		<20	0.08	<10	<10	65	<10	54
ZZ29080		<20	0.06	<10	<10	75	<10	67
ZZ29081		<20	0.06	<10	<10	64	<10	56
ZZ29082		<20	0.05	<10	<10	48	<10	41
ZZ29083		<20	0.06	<10	<10	65	<10	56
ZZ29084		<20	0.08	<10	<10	80	<10	78
ZZ29085		<20	0.07	<10	<10	73	<10	67
ZZ29086		<20	0.06	<10	<10	66	<10	59
ZZ29087		<20	0.06	<10	<10	42	<10	37
ZZ29088		<20	0.03	<10	<10	56	<10	83
ZZ29089		<20	0.06	<10	<10	76	<10	78
ZZ29090		<20	0.01	<10	<10	67	<10	128
ZZ29091		<20	0.02	<10	<10	126	<10	143
ZZ29092		<20	0.05	<10	<10	78	<10	80
ZZ29093		<20	0.06	<10	<10	160	<10	130
ZZ29094		<20	0.05	<10	<10	125	<10	96
ZZ29095		<20	0.01	<10	<10	41	<10	103
ZZ29096		<20	0.02	<10	<10	79	<10	117
ZZ29097		<20	<0.01	<10	<10	89	<10	114
ZZ29098		<20	<0.01	<10	<10	59	<10	57
ZZ29099		<20	0.01	<10	<10	97	<10	98
ZZ29100		<20	<0.01	<10	<10	41	<10	80
ZZ29101		<20	0.03	<10	<10	101	<10	115
ZZ29102		<20	0.04	<10	<10	90	<10	94
ZZ29103		<20	0.04	<10	<10	98	<10	95

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

Finalized Date: 6- OCT- 2011
Account: F

CERTIFICATE WH11169042

Project: Wolverine - Dade
P.O. No.: Trench H
This report is for 37 Soil samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169042

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29104		0.58	0.003	<0.2	1.10	18	<10	150	0.5	<2	0.37	<0.5	9	20	15	2.74
ZZ29105		0.44	0.010	<0.2	1.26	202	<10	180	0.8	<2	0.66	<0.5	13	17	19	4.18
ZZ29106		0.68	0.041	<0.2	1.17	128	<10	220	0.9	<2	0.68	<0.5	13	20	33	4.30
ZZ29107		0.74	0.081	0.3	1.22	227	<10	240	1.2	<2	0.76	<0.5	14	16	41	5.29
ZZ29108		0.44	0.093	0.3	1.76	121	<10	270	1.1	4	0.69	<0.5	17	23	39	5.30
ZZ29109		0.42	2.02	6.8	0.45	1315	<10	200	2.1	84	0.36	0.5	30	4	26	2.91
ZZ29110		0.50	0.026	0.4	0.41	90	<10	560	2.1	<2	0.27	2.2	8	1	48	3.33
ZZ29111		0.28	0.009	0.2	0.96	18	<10	390	1.1	<2	0.59	<0.5	12	10	25	4.26
ZZ29112		0.44	0.029	<0.2	1.14	22	<10	310	1.2	<2	0.78	<0.5	17	20	35	6.24
ZZ29113		0.50	0.009	<0.2	1.11	39	<10	250	1.7	<2	1.15	<0.5	25	15	73	8.86
ZZ29114		0.50	0.003	<0.2	1.17	47	<10	350	1.9	<2	0.71	<0.5	19	33	25	7.86
ZZ29115		0.36	0.001	<0.2	0.54	11	<10	190	0.8	<2	0.69	<0.5	6	4	12	2.00
ZZ29116		0.64	0.003	<0.2	1.18	30	<10	760	2.3	<2	1.45	<0.5	30	15	55	9.62
ZZ29117		0.48	0.004	<0.2	1.65	26	<10	300	1.0	<2	0.88	<0.5	23	31	50	5.11
ZZ29118		0.56	0.006	<0.2	1.50	23	<10	330	1.1	<2	0.84	<0.5	17	20	45	5.21
ZZ29119		0.42	0.004	<0.2	1.36	12	<10	270	1.2	<2	0.94	<0.5	22	19	46	6.00
ZZ29120		0.50	0.002	<0.2	1.80	15	<10	210	0.7	<2	0.57	<0.5	13	25	33	3.79
ZZ29121		0.58	0.004	0.2	1.87	11	<10	250	0.9	<2	0.79	<0.5	16	24	38	4.54
ZZ29122		0.40	0.001	<0.2	2.46	12	<10	2000	1.9	<2	1.14	<0.5	37	46	166	6.75
ZZ29123		0.44	0.003	<0.2	1.66	21	<10	350	1.3	<2	1.08	<0.5	18	13	42	5.18
ZZ29124		0.62	0.007	0.2	1.78	12	<10	260	0.8	<2	1.21	<0.5	26	27	72	5.48
ZZ29125		0.48	0.005	<0.2	1.63	13	<10	250	0.7	<2	0.86	<0.5	16	23	40	4.15
ZZ29126		0.52	0.005	<0.2	1.81	9	<10	290	0.8	<2	0.92	<0.5	17	24	44	4.58
ZZ29127		0.48	0.004	0.2	2.19	8	<10	400	1.2	<2	1.13	<0.5	20	22	67	5.57
ZZ29128		0.52	0.003	<0.2	2.54	10	<10	340	0.6	<2	1.46	<0.5	34	67	146	6.34
ZZ29129		0.48	0.004	0.2	1.30	50	<10	900	2.0	<2	0.72	<0.5	52	6	41	5.02
ZZ29130		0.42	0.004	<0.2	1.37	9	<10	210	1.4	<2	1.00	<0.5	15	8	39	6.34
ZZ29131		0.40	0.005	0.4	1.27	13	<10	270	1.9	<2	1.44	<0.5	22	19	101	8.08
ZZ29132		0.48	0.005	<0.2	1.58	11	<10	220	0.7	<2	0.67	<0.5	16	22	40	3.83
ZZ29133		0.50	0.001	<0.2	1.38	10	<10	270	0.7	<2	0.60	<0.5	12	19	24	3.68
ZZ29134		0.38	0.024	<0.2	1.33	8	<10	230	0.6	<2	0.55	<0.5	10	20	18	3.18
ZZ29135		0.40	0.003	<0.2	1.88	13	<10	310	0.8	<2	0.54	<0.5	12	22	20	3.94
ZZ29136		0.46	0.015	0.3	0.84	41	<10	280	1.9	<2	0.90	<0.5	14	5	50	5.14
ZZ29137		0.38	0.006	0.3	1.12	37	<10	800	1.5	<2	0.82	<0.5	17	9	66	9.49
ZZ29138		0.60	0.006	<0.2	1.22	12	<10	210	0.6	<2	0.55	<0.5	8	19	15	3.11
ZZ29139		0.38	0.005	<0.2	1.27	10	<10	190	0.5	<2	0.56	<0.5	8	24	14	2.98
ZZ29140		0.48	0.007	<0.2	1.47	18	<10	240	0.8	<2	0.77	<0.5	10	17	20	4.10

ALS Minerals

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

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169042

Sample Description	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ29104	<10	<1	0.07	10	0.46	575	<1	0.01	10	700	6	<0.01	<2	5	17
ZZ29105	<10	1	0.12	20	0.61	1200	<1	0.02	10	1790	7	0.01	3	9	21
ZZ29106	<10	1	0.12	20	0.45	1040	3	0.02	11	1860	17	0.01	7	9	28
ZZ29107	<10	<1	0.12	20	0.41	1260	5	0.02	9	2130	17	0.01	9	13	28
ZZ29108	10	<1	0.13	30	0.60	1215	1	0.02	13	1750	20	0.01	3	12	29
ZZ29109	<10	<1	0.20	20	0.07	486	4	0.02	2	360	102	0.15	7	4	71
ZZ29110	<10	<1	0.12	<10	0.07	2150	20	<0.01	3	170	62	<0.01	24	6	28
ZZ29111	<10	<1	0.15	20	0.24	1685	<1	0.01	9	1440	11	0.01	2	14	27
ZZ29112	<10	<1	0.22	30	0.31	1615	<1	0.01	13	2220	11	0.01	3	23	28
ZZ29113	<10	<1	0.20	40	0.26	1770	8	0.01	16	3940	12	0.05	3	29	35
ZZ29114	<10	<1	0.30	40	0.36	1995	1	0.01	20	1660	8	0.01	3	37	28
ZZ29115	<10	<1	0.10	10	0.07	734	<1	<0.01	4	1640	20	<0.01	4	22	20
ZZ29116	<10	<1	0.26	40	0.31	3060	<1	0.02	15	4260	9	0.07	5	36	53
ZZ29117	10	1	0.14	40	0.84	1575	<1	0.02	26	2200	10	0.02	2	13	35
ZZ29118	<10	<1	0.13	40	0.60	1310	<1	0.02	14	2300	12	0.01	<2	11	34
ZZ29119	10	<1	0.13	50	0.60	1750	<1	0.02	15	2650	13	0.01	2	12	34
ZZ29120	10	<1	0.10	30	0.62	763	<1	0.02	14	1220	9	0.01	2	8	26
ZZ29121	10	<1	0.12	40	0.75	1150	<1	0.02	14	1680	9	0.01	<2	11	34
ZZ29122	10	<1	0.16	70	0.92	2820	<1	0.02	27	1660	15	0.06	<2	32	96
ZZ29123	10	<1	0.12	30	0.50	2080	2	0.02	10	2820	9	0.01	2	16	41
ZZ29124	10	<1	0.14	30	0.74	986	<1	0.02	27	3560	8	0.02	<2	10	42
ZZ29125	10	<1	0.12	30	0.69	1065	<1	0.02	14	2050	7	0.01	<2	10	33
ZZ29126	10	<1	0.13	40	0.77	1095	<1	0.03	15	2230	9	0.02	<2	12	35
ZZ29127	10	<1	0.07	40	0.79	2170	<1	0.01	17	2550	8	0.02	2	20	43
ZZ29128	10	<1	0.53	40	1.53	902	<1	0.02	71	4820	9	0.03	<2	10	43
ZZ29129	<10	1	0.13	160	0.20	6960	2	<0.01	17	1580	46	0.01	5	30	49
ZZ29130	<10	<1	0.13	30	0.26	1405	<1	0.01	6	2590	6	0.01	5	20	35
ZZ29131	<10	<1	0.20	30	0.20	2300	<1	0.01	14	4760	11	0.03	5	27	45
ZZ29132	10	<1	0.10	30	0.56	953	<1	0.02	14	1380	11	0.01	<2	9	35
ZZ29133	10	<1	0.09	20	0.51	994	1	0.02	14	1290	12	0.01	2	8	30
ZZ29134	<10	<1	0.09	20	0.47	707	<1	0.01	12	1150	8	<0.01	<2	7	27
ZZ29135	10	<1	0.10	10	0.57	976	<1	0.01	13	1210	12	0.01	<2	8	28
ZZ29136	<10	1	0.20	30	0.12	1335	1	<0.01	6	3100	17	0.01	4	10	25
ZZ29137	<10	<1	0.13	50	0.22	4320	2	0.01	11	2380	40	0.06	<2	19	35
ZZ29138	<10	<1	0.08	10	0.42	557	<1	0.01	10	1190	6	<0.01	<2	6	25
ZZ29139	<10	<1	0.09	10	0.46	512	<1	0.02	12	1020	6	<0.01	<2	7	27
ZZ29140	10	1	0.11	20	0.48	701	<1	0.02	8	1750	7	0.01	<2	10	29

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

Finalized Date: 6- OCT- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11169042

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29104		<20	0.07	<10	<10	60	<10	53
ZZ29105		<20	0.05	<10	<10	89	<10	82
ZZ29106		<20	0.05	<10	<10	77	<10	79
ZZ29107		<20	0.03	<10	<10	84	<10	94
ZZ29108		<20	0.06	<10	<10	96	<10	92
ZZ29109		<20	<0.01	<10	<10	14	<10	53
ZZ29110		<20	<0.01	<10	<10	16	<10	130
ZZ29111		<20	0.01	<10	<10	57	<10	72
ZZ29112		<20	0.03	<10	<10	128	<10	117
ZZ29113		<20	0.01	<10	<10	154	<10	171
ZZ29114		<20	0.03	<10	<10	145	<10	168
ZZ29115		<20	<0.01	<10	<10	63	<10	55
ZZ29116		<20	0.01	<10	<10	157	<10	176
ZZ29117		<20	0.07	<10	<10	103	<10	95
ZZ29118		<20	0.05	<10	<10	84	<10	95
ZZ29119		<20	0.05	<10	<10	95	<10	109
ZZ29120		<20	0.08	<10	<10	84	<10	69
ZZ29121		<20	0.07	<10	<10	94	<10	84
ZZ29122		<20	0.02	<10	<10	130	<10	131
ZZ29123		<20	0.02	<10	<10	93	<10	113
ZZ29124		<20	0.10	<10	<10	106	<10	80
ZZ29125		<20	0.08	<10	<10	85	<10	77
ZZ29126		<20	0.08	<10	<10	93	<10	84
ZZ29127		<20	0.01	<10	<10	115	<10	105
ZZ29128		<20	0.22	<10	<10	168	<10	95
ZZ29129		20	0.01	10	<10	58	<10	92
ZZ29130		<20	0.01	<10	<10	106	<10	123
ZZ29131		<20	0.02	<10	<10	137	<10	172
ZZ29132		<20	0.07	<10	<10	72	<10	72
ZZ29133		<20	0.06	<10	<10	74	<10	74
ZZ29134		<20	0.06	<10	<10	64	<10	59
ZZ29135		<20	0.05	<10	<10	74	<10	73
ZZ29136		<20	<0.01	<10	<10	32	<10	64
ZZ29137		<20	0.01	<10	<10	120	<10	144
ZZ29138		<20	0.05	<10	<10	64	<10	57
ZZ29139		<20	0.07	<10	<10	62	<10	57
ZZ29140		<20	0.05	<10	<10	80	<10	72

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

Finalized Date: 30- SEP- 2011
Account: F

CERTIFICATE WH11164708

Project: Wolverine- Dade

P.O. No.: Trench E

This report is for 39 Soil samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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1016- 510 W HASTINGS ST
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Finalized Date: 30- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164708

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
ZZ294347		0.36	0.101		0.9	1.15	55	<10	310	1.6	4	0.91	<0.5	18	37	52
ZZ294348		0.52	0.029		0.5	1.36	24	<10	360	1.3	2	1.03	<0.5	13	18	34
ZZ294349		0.44	0.042		0.4	1.32	21	<10	300	1.2	2	0.94	<0.5	15	23	33
ZZ294350		0.34	0.016		0.5	0.78	50	<10	160	1.1	2	0.73	<0.5	6	10	36
ZZ29201		0.40	0.014		0.3	0.76	63	<10	350	1.4	2	0.62	<0.5	10	21	20
ZZ29202		0.40	0.004		0.4	0.72	38	<10	190	1.3	2	2.97	<0.5	13	3	22
ZZ29203		0.44	0.008		0.3	2.51	52	<10	450	1.5	2	1.41	<0.5	22	26	29
ZZ29204		0.48	0.001		0.2	1.98	17	<10	390	1.4	3	1.29	<0.5	21	48	13
ZZ29205		0.54	0.001		<0.2	1.00	11	<10	460	1.1	<2	3.53	<0.5	25	63	7
ZZ29206		0.46	0.003		<0.2	1.32	10	<10	370	1.6	<2	1.35	<0.5	17	10	22
ZZ29207		0.40	0.002		<0.2	0.83	26	<10	300	1.6	2	0.82	<0.5	8	5	9
ZZ29208		0.68	0.004		0.2	1.39	18	<10	290	1.6	<2	1.04	<0.5	12	12	16
ZZ29209		0.50	0.003		0.3	1.21	16	<10	290	1.9	<2	0.92	<0.5	12	8	14
ZZ29210		0.54	0.008		0.2	1.59	28	<10	250	0.9	<2	0.78	<0.5	12	21	24
ZZ29211		0.70	0.009		0.2	1.50	34	<10	210	0.7	2	1.00	<0.5	17	24	45
ZZ29212		0.46	0.003		<0.2	1.83	20	<10	250	0.8	<2	1.21	<0.5	23	46	62
ZZ29213		0.52	0.013		0.3	2.19	23	<10	430	1.3	4	1.13	<0.5	25	42	47
ZZ29214		0.50	0.008		0.2	1.48	19	<10	610	1.1	3	0.94	<0.5	21	26	32
ZZ29215		0.36	0.006		0.2	1.18	13	<10	470	1.4	<2	0.84	<0.5	22	41	15
ZZ29216		0.40	<0.001		0.3	1.27	9	<10	350	1.7	3	1.10	<0.5	20	16	16
ZZ29217		0.44	0.001		<0.2	0.64	47	<10	380	1.8	3	0.76	<0.5	13	5	5
ZZ29218		0.44	0.001		<0.2	0.67	14	<10	170	1.0	<2	0.62	<0.5	9	3	7
ZZ29219		0.30	0.003		<0.2	1.24	25	<10	240	0.8	<2	1.23	<0.5	12	13	11
ZZ29220		0.44	0.041		<0.2	1.44	198	<10	220	1.3	3	1.17	<0.5	11	5	22
ZZ29221		0.36	0.025		0.3	0.47	230	<10	180	2.2	3	0.29	0.6	6	1	113
ZZ29222		0.38	0.796		19.4	0.51	4470	<10	160	1.1	160	0.34	1.8	53	5	224
ZZ29223		0.44	0.112		0.8	0.56	252	<10	140	1.4	6	0.24	0.5	11	2	113
ZZ29224		0.44	1.130	1.075	2.2	1.15	949	<10	240	1.0	36	0.59	<0.5	29	15	104
ZZ29225		0.40	0.226		1.2	1.39	317	<10	200	1.4	9	0.97	<0.5	11	4	42
ZZ29226		0.32	1.440	1.370	4.0	1.06	1255	<10	280	1.1	62	0.67	<0.5	39	13	75
ZZ29227		0.48	0.880		3.4	2.17	1380	<10	470	1.5	44	0.97	<0.5	39	20	85
ZZ29228		0.40	0.883		2.7	1.57	1055	<10	290	0.9	40	0.60	<0.5	33	20	51
ZZ29229		0.42	0.167		0.2	0.98	167	<10	150	<0.5	2	0.38	<0.5	12	15	23
ZZ29230		0.30	0.281		0.9	1.11	814	<10	230	1.3	4	0.98	<0.5	21	14	57
ZZ29231		0.48	0.384		1.1	1.14	410	<10	240	1.0	7	0.72	<0.5	27	12	63
ZZ29232		0.28	0.035		0.4	1.23	78	<10	500	1.3	2	0.71	<0.5	15	12	32
ZZ29233		0.44	0.204		0.4	1.25	285	<10	320	1.0	5	0.43	<0.5	21	16	37
ZZ29234		0.36	0.152		0.5	1.36	270	<10	420	1.3	7	0.69	<0.5	18	28	59
ZZ29235		0.30	0.064		0.2	1.77	140	<10	160	0.7	2	0.39	<0.5	16	27	34

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CERTIFICATE OF ANALYSIS WH11164708

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
ZZ294347		6.88	<10	<1	0.14	30	0.34	1110	39	<0.01	77	2610	15	0.02	11	16
ZZ294348		6.12	10	<1	0.16	20	0.43	1160	20	<0.01	27	3040	9	<0.01	2	14
ZZ294349		5.73	10	<1	0.15	20	0.49	953	19	<0.01	40	2680	10	<0.01	3	13
ZZ294350		4.21	<10	<1	0.11	10	0.13	503	11	<0.01	24	2080	27	<0.01	9	10
ZZ29201		4.26	<10	<1	0.11	20	0.20	792	21	<0.01	25	1370	19	<0.01	7	8
ZZ29202		3.64	<10	<1	0.13	10	0.12	1610	10	<0.01	5	2900	11	<0.01	8	12
ZZ29203		7.64	10	<1	0.13	30	1.14	1945	23	<0.01	17	3530	14	<0.01	2	21
ZZ29204		6.96	10	<1	0.19	20	0.85	1655	1	<0.01	15	2680	7	<0.01	<2	28
ZZ29205		6.25	<10	<1	0.20	10	0.43	1680	<1	<0.01	19	1070	4	<0.01	<2	37
ZZ29206		7.52	10	<1	0.21	30	0.32	1615	1	<0.01	10	4230	8	<0.01	4	24
ZZ29207		4.48	<10	<1	0.19	20	0.21	791	1	<0.01	4	2510	5	<0.01	<2	9
ZZ29208		5.74	10	<1	0.16	20	0.39	1035	2	<0.01	9	2790	7	<0.01	5	15
ZZ29209		5.84	<10	<1	0.16	20	0.25	1360	1	<0.01	10	2340	8	<0.01	4	14
ZZ29210		4.29	10	<1	0.13	20	0.59	873	4	<0.01	15	1760	8	<0.01	<2	11
ZZ29211		4.72	10	<1	0.12	20	0.72	919	3	<0.01	20	2780	7	<0.01	<2	9
ZZ29212		5.81	10	<1	0.17	20	1.13	1085	1	<0.01	35	3800	6	<0.01	<2	14
ZZ29213		7.11	10	<1	0.25	30	1.18	1595	4	0.03	35	3150	8	<0.01	2	21
ZZ29214		6.54	10	<1	0.18	20	0.67	1450	3	0.03	22	2540	8	0.01	<2	15
ZZ29215		6.82	10	1	0.29	20	0.47	1440	2	0.02	29	2670	5	<0.01	3	21
ZZ29216		7.43	10	<1	0.26	20	0.39	1830	1	0.02	11	3260	3	<0.01	4	27
ZZ29217		4.05	<10	1	0.19	10	0.13	1485	2	0.01	9	2220	6	<0.01	<2	8
ZZ29218		3.46	<10	<1	0.12	10	0.11	834	2	<0.01	7	1670	6	<0.01	<2	7
ZZ29219		3.46	<10	<1	0.09	10	0.34	900	1	<0.01	8	1250	7	<0.01	<2	7
ZZ29220		3.52	<10	<1	0.13	10	0.28	800	3	<0.01	4	2240	9	<0.01	4	10
ZZ29221		1.81	<10	<1	0.14	<10	0.06	407	6	<0.01	5	80	35	0.03	3	2
ZZ29222		21.5	<10	1	1.58	20	0.08	478	89	0.01	13	560	177	3.19	30	6
ZZ29223		1.33	<10	<1	0.14	<10	0.04	99	4	<0.01	6	220	18	0.08	<2	2
ZZ29224		5.72	<10	<1	0.10	20	0.32	889	16	<0.01	12	1540	40	0.05	7	10
ZZ29225		3.88	<10	1	0.07	10	0.24	666	3	<0.01	4	1860	16	<0.01	8	11
ZZ29226		5.78	<10	<1	0.12	20	0.30	1285	15	<0.01	10	2080	57	0.08	11	11
ZZ29227		7.35	10	<1	0.14	20	0.68	1730	8	<0.01	14	2360	42	0.03	10	21
ZZ29228		5.07	10	<1	0.13	20	0.54	1045	13	<0.01	11	1560	51	0.05	9	10
ZZ29229		2.48	<10	<1	0.06	10	0.33	491	3	0.01	10	900	12	<0.01	2	4
ZZ29230		5.52	<10	<1	0.14	20	0.23	798	6	0.01	12	2850	22	0.01	12	21
ZZ29231		5.24	<10	<1	0.11	20	0.36	908	12	0.01	9	2110	32	0.01	9	11
ZZ29232		5.69	<10	<1	0.12	20	0.23	2070	2	0.01	8	2020	14	<0.01	5	19
ZZ29233		4.39	<10	<1	0.11	20	0.42	857	10	0.01	9	840	17	0.02	9	9
ZZ29234		6.07	<10	<1	0.14	20	0.31	837	5	0.01	23	2120	22	0.02	10	13
ZZ29235		4.70	10	1	0.11	10	0.33	791	3	0.01	18	1200	15	<0.01	5	7

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

Finalized Date: 30- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164708

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ294347		32	<20	0.01	<10	<10	101	<10	119
ZZ294348		33	<20	0.02	<10	<10	90	<10	101
ZZ294349		31	<20	0.03	<10	<10	83	<10	101
ZZ294350		24	<20	<0.01	<10	<10	53	<10	176
ZZ29201		29	<20	0.01	<10	<10	47	<10	72
ZZ29202		70	<20	<0.01	<10	<10	55	<10	114
ZZ29203		50	<20	0.03	<10	<10	145	<10	140
ZZ29204		45	<20	0.02	<10	<10	112	<10	127
ZZ29205		48	<20	0.01	<10	<10	105	<10	90
ZZ29206		39	<20	0.02	<10	<10	123	<10	160
ZZ29207		24	<20	0.01	<10	<10	41	<10	82
ZZ29208		35	<20	0.02	<10	<10	87	<10	127
ZZ29209		33	<20	0.01	<10	<10	76	<10	134
ZZ29210		33	<20	0.06	<10	<10	80	<10	85
ZZ29211		35	<20	0.07	<10	<10	95	<10	77
ZZ29212		40	<20	0.06	<10	<10	128	<10	92
ZZ29213		42	<20	0.09	<10	<10	147	<10	130
ZZ29214		39	<20	0.05	<10	<10	113	<10	121
ZZ29215		28	<20	0.05	<10	<10	112	<10	134
ZZ29216		32	<20	0.03	<10	<10	125	<10	134
ZZ29217		25	<20	<0.01	<10	<10	34	<10	84
ZZ29218		22	<20	<0.01	<10	<10	28	<10	65
ZZ29219		30	<20	0.03	<10	<10	55	<10	62
ZZ29220		41	<20	0.01	<10	<10	60	<10	50
ZZ29221		29	<20	<0.01	<10	<10	3	<10	108
ZZ29222		551	<20	<0.01	<10	<10	34	10	150
ZZ29223		115	<20	<0.01	<10	<10	3	<10	39
ZZ29224		37	<20	0.03	<10	<10	68	<10	73
ZZ29225		40	<20	<0.01	<10	<10	51	<10	64
ZZ29226		47	<20	0.02	<10	<10	75	<10	93
ZZ29227		55	<20	0.02	<10	<10	122	<10	128
ZZ29228		48	<20	0.05	<10	<10	85	10	88
ZZ29229		18	<20	0.05	<10	<10	47	<10	43
ZZ29230		42	<20	<0.01	<10	<10	89	<10	103
ZZ29231		33	<20	0.02	<10	<10	82	<10	85
ZZ29232		33	<20	0.01	<10	<10	73	<10	94
ZZ29233		33	<20	0.04	<10	<10	74	<10	72
ZZ29234		40	<20	0.02	<10	<10	107	<10	96
ZZ29235		23	<20	0.02	<10	<10	81	<10	73

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

Finalized Date: 30- SEP- 2011
Account: F

CERTIFICATE WH11164706

Project: Wolverine- Dade

P.O. No.: Trench D

This report is for 33 Soil samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 30- SEP- 2011
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Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164706

Sample Description	Method	WEI- 21	Au- ICP21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
ZZ29374		0.30	0.168		0.6	1.40	224	<10	310	1.2	6	0.82	<0.5	18	16	46
ZZ29375		0.34	0.026		0.2	1.32	52	<10	200	0.6	<2	0.43	<0.5	11	20	19
ZZ29376		0.36	0.331		5.7	1.48	352	<10	620	1.6	35	0.79	0.7	58	11	74
ZZ29377		0.30	0.078		0.7	1.80	137	<10	380	1.4	<2	1.18	<0.5	27	42	63
ZZ29378		0.32	0.507		5.9	0.77	397	<10	260	1.2	25	1.00	<0.5	49	5	100
ZZ29379		0.32	0.378		3.0	1.31	489	<10	390	1.4	15	0.93	<0.5	45	8	126
ZZ29380		0.38	0.087		0.6	0.82	124	<10	140	1.3	<2	0.92	<0.5	9	2	27
ZZ29381		0.28	0.036		0.3	0.50	38	<10	220	1.2	<2	0.87	<0.5	12	2	18
ZZ29382		0.34	1.410	1.785	0.8	1.74	463	<10	360	1.0	18	0.80	<0.5	21	13	61
ZZ29383		0.42	1.220	0.630	1.1	0.84	488	<10	270	1.2	4	0.71	<0.5	11	6	58
ZZ29384		0.38	0.531		1.5	0.99	675	<10	240	1.1	19	0.53	0.6	11	14	109
ZZ29385		0.40	0.029		0.4	0.47	151	<10	150	1.2	<2	0.25	0.5	5	3	96
ZZ29386		0.40	2.22	1.850	3.6	0.69	959	<10	210	1.8	17	0.44	2.7	50	5	349
ZZ29387		0.38	0.009		0.2	0.83	131	<10	370	1.7	<2	1.30	<0.5	15	6	15
ZZ29388		0.36	0.012		0.2	1.44	175	<10	590	1.2	<2	0.74	<0.5	14	21	29
ZZ29389		0.36	0.001		0.2	1.39	32	<10	320	1.0	<2	0.87	<0.5	18	29	22
ZZ29390		0.36	0.005		0.4	1.00	123	<10	400	1.4	<2	0.89	<0.5	21	16	42
ZZ29391		0.38	0.003		<0.2	1.61	30	<10	300	0.9	<2	0.94	<0.5	16	26	27
ZZ29392		0.40	0.003		0.3	2.44	26	<10	650	1.6	<2	1.33	<0.5	37	77	103
ZZ29393		0.42	0.003		0.2	1.05	45	<10	210	1.1	<2	0.87	<0.5	14	25	18
ZZ29394		0.52	0.001		<0.2	1.31	46	<10	280	1.0	<2	1.01	<0.5	14	19	18
ZZ29395		0.40	0.001		0.2	1.01	9	<10	630	1.5	<2	0.75	<0.5	17	40	10
ZZ29396		0.50	0.002		0.3	1.53	17	<10	640	1.7	<2	1.26	<0.5	20	16	19
ZZ29397		0.44	0.001		0.2	1.37	11	<10	280	0.7	<2	0.80	<0.5	12	19	16
ZZ29398		0.52	0.011		0.2	1.54	27	<10	260	0.9	<2	1.49	<0.5	14	14	31
ZZ29399		0.50	0.014		0.2	1.39	26	<10	230	1.0	<2	1.05	<0.5	12	17	26
ZZ29400		0.70	0.028		0.4	1.48	23	<10	240	0.8	<2	0.89	<0.5	12	35	27
ZZ29341		0.86	0.003		0.2	1.57	19	<10	260	0.8	<2	1.00	<0.5	11	17	23
ZZ29342		0.48	0.002		<0.2	1.36	31	<10	280	1.3	<2	0.84	<0.5	15	14	27
ZZ29343		0.50	0.002		0.2	1.97	36	<10	330	1.3	2	1.22	<0.5	19	18	51
ZZ29344		0.36	0.003		0.5	1.32	13	<10	350	1.8	<2	1.13	<0.5	18	20	37
ZZ29345		0.40	0.003		<0.2	1.31	24	<10	270	0.9	<2	0.75	<0.5	11	13	22
ZZ29346		0.34	0.004		<0.2	1.42	31	<10	280	1.0	2	1.03	<0.5	14	15	27

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

Finalized Date: 30- SEP- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11164706

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1
ZZ29374		7.03	<10	<1	0.12	30	0.44	1540	6	0.01	12	2320	20	0.02	7	16
ZZ29375		3.30	<10	<1	0.08	10	0.44	645	4	0.01	13	870	8	0.01	2	5
ZZ29376		14.5	<10	1	0.13	30	0.46	4380	12	0.01	29	2260	158	0.07	3	23
ZZ29377		8.04	<10	1	0.28	30	0.91	1780	2	0.02	30	3010	11	0.03	3	24
ZZ29378		14.4	<10	<1	0.12	30	0.16	1830	7	<0.01	15	2780	69	0.34	32	23
ZZ29379		12.50	<10	<1	0.15	40	0.42	1930	6	0.01	12	2860	32	0.12	12	20
ZZ29380		4.15	<10	<1	0.14	10	0.12	638	1	0.01	2	2460	11	0.01	15	10
ZZ29381		3.90	<10	<1	0.12	10	0.09	1265	3	<0.01	2	1820	10	0.01	12	9
ZZ29382		7.04	10	1	0.37	20	1.04	1190	7	0.01	12	1950	18	0.08	6	15
ZZ29383		5.83	<10	<1	0.14	20	0.16	925	8	<0.01	10	2040	20	0.03	21	12
ZZ29384		5.51	<10	<1	0.14	20	0.35	484	37	0.01	18	1390	27	0.09	25	8
ZZ29385		2.09	<10	<1	0.13	10	0.08	203	13	<0.01	12	270	39	0.06	6	3
ZZ29386		12.50	<10	1	0.74	10	0.09	851	3520	0.05	32	950	144	1.63	94	10
ZZ29387		5.05	<10	<1	0.17	10	0.23	1115	17	<0.01	8	2720	12	0.02	4	9
ZZ29388		5.31	<10	<1	0.18	20	0.48	934	4	0.01	16	1730	9	0.01	4	14
ZZ29389		5.60	<10	<1	0.18	20	0.70	1265	2	0.02	20	2360	6	0.01	<2	12
ZZ29390		6.75	<10	<1	0.17	20	0.27	1575	4	0.01	24	1880	10	0.07	7	14
ZZ29391		5.37	10	<1	0.13	20	0.72	1080	1	0.01	18	2490	5	0.01	2	14
ZZ29392		12.20	10	<1	0.23	40	0.91	3040	1	0.01	62	3160	2	0.04	<2	50
ZZ29393		5.42	<10	1	0.12	20	0.35	890	1	0.01	13	2590	9	<0.01	4	14
ZZ29394		5.74	<10	<1	0.11	20	0.54	1160	1	0.01	10	2850	9	0.01	3	14
ZZ29395		8.45	<10	<1	0.29	30	0.21	2450	2	<0.01	9	1430	3	<0.01	4	38
ZZ29396		9.60	<10	1	0.21	40	0.33	2720	2	<0.01	8	3550	9	0.01	<2	26
ZZ29397		4.61	<10	<1	0.14	10	0.58	928	2	0.01	10	2070	6	<0.01	<2	10
ZZ29398		6.28	<10	<1	0.17	20	0.61	1000	3	0.03	8	4480	6	0.01	3	14
ZZ29399		5.67	<10	1	0.14	20	0.51	882	6	0.02	14	2920	10	<0.01	3	11
ZZ29400		4.90	<10	<1	0.12	20	0.71	848	5	0.03	24	2060	12	0.01	<2	9
ZZ29341		4.93	10	<1	0.12	20	0.69	809	3	0.02	11	2490	5	0.01	2	9
ZZ29342		6.31	<10	1	0.12	20	0.40	786	2	0.01	14	2260	6	0.01	8	11
ZZ29343		7.23	10	<1	0.16	20	0.87	1260	2	<0.01	11	3420	7	<0.01	<2	16
ZZ29344		8.03	<10	1	0.16	30	0.31	1845	2	<0.01	25	2960	8	<0.01	4	26
ZZ29345		4.95	10	<1	0.10	10	0.49	839	2	<0.01	11	2150	8	<0.01	<2	9
ZZ29346		6.06	10	<1	0.10	10	0.55	1150	3	<0.01	11	3330	11	<0.01	<2	11

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Finalized Date: 30- SEP- 2011
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CERTIFICATE OF ANALYSIS WH11164706

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29374		32	<20	0.02	<10	<10	98	<10	110
ZZ29375		22	<20	0.06	<10	<10	61	<10	58
ZZ29376		50	<20	0.01	<10	<10	121	<10	150
ZZ29377		43	<20	0.05	<10	<10	134	<10	118
ZZ29378		38	<20	<0.01	<10	<10	131	<10	167
ZZ29379		38	<20	0.01	<10	<10	117	<10	134
ZZ29380		29	<20	<0.01	<10	<10	43	<10	64
ZZ29381		30	<20	<0.01	<10	<10	37	<10	91
ZZ29382		34	<20	0.09	<10	<10	124	<10	110
ZZ29383		33	<20	<0.01	<10	<10	67	<10	87
ZZ29384		63	<20	0.03	<10	<10	62	<10	87
ZZ29385		40	<20	<0.01	<10	<10	10	<10	67
ZZ29386		284	<20	<0.01	<10	<10	50	10	203
ZZ29387		36	<20	0.01	<10	<10	46	<10	95
ZZ29388		36	<20	0.03	<10	<10	80	<10	103
ZZ29389		30	<20	0.06	<10	<10	98	<10	107
ZZ29390		33	<20	0.01	<10	<10	77	<10	115
ZZ29391		36	<20	0.04	<10	<10	99	<10	101
ZZ29392		59	<20	0.01	<10	<10	228	<10	207
ZZ29393		27	<20	0.02	<10	<10	94	<10	108
ZZ29394		32	<20	0.03	<10	<10	99	<10	112
ZZ29395		28	<20	0.02	<10	<10	179	<10	158
ZZ29396		44	<20	0.01	<10	<10	136	<10	172
ZZ29397		28	<20	0.05	<10	<10	82	<10	84
ZZ29398		39	<20	0.04	<10	<10	105	<10	100
ZZ29399		31	<20	0.04	<10	<10	96	<10	107
ZZ29400		30	<20	0.08	<10	<10	91	<10	91
ZZ29341		33	<20	0.06	<10	<10	90	<10	87
ZZ29342		29	<20	0.03	<10	<10	99	<10	104
ZZ29343		36	<20	0.04	<10	<10	126	<10	119
ZZ29344		51	<20	0.01	<10	<10	105	<10	141
ZZ29345		26	<20	0.03	<10	<10	83	<10	92
ZZ29346		29	<20	0.03	<10	<10	104	<10	115

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

Finalized Date: 13- SEP- 2011
Account: F

CERTIFICATE WH11161742

Project: Wolverine - Dade
P.O. No.: Trench A
This report is for 34 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11161742

Sample Description	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ29401	0.32	0.030	<0.2	1.14	63	<10	400	1.4	<2	1.22	<0.5	16	9	34	7.76
ZZ29402	0.30	0.014	<0.2	1.32	47	<10	360	0.9	<2	1.11	<0.5	11	7	16	5.30
ZZ29403	0.32	0.011	<0.2	1.08	49	<10	400	1.4	<2	1.24	<0.5	16	4	16	7.39
ZZ29404	0.28	0.015	0.2	1.15	38	<10	420	1.3	<2	0.98	<0.5	13	5	21	6.25
ZZ29405	0.32	0.011	<0.2	0.59	34	<10	240	1.1	<2	0.80	<0.5	8	4	14	3.69
ZZ29406	0.28	0.005	<0.2	0.40	24	<10	130	0.9	<2	4.53	<0.5	5	3	6	2.48
ZZ29407	0.32	0.012	<0.2	0.51	216	<10	470	1.4	<2	0.75	<0.5	16	3	10	3.62
ZZ29408	0.42	0.002	<0.2	0.55	63	<10	330	1.3	<2	1.00	<0.5	10	1	10	3.88
ZZ29409	0.26	0.004	<0.2	0.40	155	<10	580	1.1	<2	0.70	<0.5	11	1	3	3.21
ZZ29410	0.38	0.004	<0.2	0.66	47	<10	520	1.1	<2	1.66	<0.5	10	2	7	3.73
ZZ29411	0.36	0.003	<0.2	0.96	95	<10	710	1.7	<2	2.58	<0.5	20	3	8	7.75
ZZ29412	0.34	0.003	<0.2	0.44	21	<10	410	0.7	<2	5.02	<0.5	7	1	7	2.45
ZZ29413	0.40	0.003	<0.2	1.54	26	<10	370	2.1	<2	2.45	<0.5	14	2	8	5.40
ZZ29414	0.36	0.030	0.4	0.45	1585	<10	350	1.3	2	0.13	1.0	23	3	46	3.47
ZZ29415	0.28	3.25	57.0	0.55	>10000	<10	370	0.9	464	0.14	0.5	69	4	167	24.2
ZZ29416	0.46	0.271	4.0	0.39	1925	<10	70	0.7	19	0.24	0.7	42	2	162	10.10
ZZ29417	0.40	0.134	2.3	0.64	1395	<10	290	1.3	5	0.31	1.1	35	4	235	9.76
ZZ29418	0.44	0.149	1.1	0.63	532	<10	840	1.3	9	0.65	<0.5	20	4	43	4.39
ZZ29419	0.34	0.045	0.5	0.50	289	<10	1210	1.6	2	0.62	<0.5	19	6	13	5.39
ZZ29420	0.36	0.047	0.3	0.47	147	<10	730	1.0	<2	0.75	<0.5	8	2	29	4.25
ZZ29421	0.32	0.013	<0.2	0.44	16	<10	310	0.9	<2	4.86	<0.5	6	1	15	3.52
ZZ29422	0.34	0.060	0.3	0.77	375	<10	320	1.3	3	1.09	<0.5	11	4	17	5.01
ZZ29423	0.32	0.021	<0.2	0.50	219	<10	640	0.9	<2	0.78	<0.5	8	3	13	3.83
ZZ29424	0.30	0.006	<0.2	0.49	52	<10	390	1.0	<2	3.22	<0.5	7	3	11	3.13
ZZ29425	0.50	0.003	<0.2	0.43	31	<10	390	0.8	<2	5.56	<0.5	4	1	2	2.62
ZZ29426	0.38	0.005	<0.2	0.35	34	<10	570	0.8	<2	5.38	<0.5	6	<1	5	2.71
ZZ29427	0.32	0.004	<0.2	0.45	22	<10	240	0.8	<2	4.84	<0.5	4	1	5	2.50
ZZ29428	0.40	0.004	<0.2	0.49	41	<10	490	0.7	<2	2.96	<0.5	9	1	4	2.45
ZZ29429	0.38	0.006	<0.2	0.61	72	<10	460	0.8	<2	1.75	<0.5	8	3	6	2.85
ZZ29430	0.30	0.004	<0.2	0.51	25	<10	230	1.0	<2	2.53	<0.5	5	1	4	2.22
ZZ29431	0.30	0.017	<0.2	0.92	66	<10	370	1.1	<2	0.67	<0.5	11	7	15	4.85
ZZ29432	0.40	0.005	<0.2	0.43	22	<10	160	0.7	<2	6.13	<0.5	6	2	3	2.29
ZZ29433	0.34	0.013	<0.2	0.86	52	<10	560	0.9	<2	0.66	<0.5	9	10	14	4.31
ZZ29434	0.34	0.024	<0.2	1.13	35	<10	480	1.3	<2	0.94	<0.5	16	32	15	6.34

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

Finalized Date: 13- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11161742

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29401		10	<1	0.16	10	0.25	1610	2	0.04	4	3940	7	0.01	4	16	37
ZZ29402		10	<1	0.12	10	0.43	944	1	0.04	3	3530	5	0.02	3	14	34
ZZ29403		10	<1	0.16	20	0.26	1340	1	0.03	1	4140	9	0.03	3	20	37
ZZ29404		<10	1	0.14	20	0.23	1290	1	0.02	4	3070	9	0.02	4	19	30
ZZ29405		<10	<1	0.12	10	0.09	795	1	0.01	3	1870	7	<0.01	5	12	24
ZZ29406		<10	<1	0.11	<10	0.15	552	<1	0.01	2	740	8	<0.01	2	7	52
ZZ29407		<10	1	0.10	<10	0.05	1760	3	0.02	7	2130	16	<0.01	4	12	25
ZZ29408		<10	<1	0.13	10	0.07	1230	<1	0.01	1	2510	10	<0.01	4	11	30
ZZ29409		<10	<1	0.10	10	0.05	2320	1	0.02	1	1080	21	<0.01	2	8	37
ZZ29410		<10	1	0.14	10	0.09	1610	<1	0.02	1	2250	11	0.01	2	13	43
ZZ29411		10	1	0.22	20	0.21	2980	1	0.03	1	4140	10	0.01	6	23	89
ZZ29412		<10	<1	0.12	<10	0.12	1480	<1	0.02	3	1780	13	0.01	2	9	61
ZZ29413		10	1	0.15	10	0.23	1050	1	0.02	1	3930	8	0.01	7	15	61
ZZ29414		<10	<1	0.12	<10	0.04	912	13	0.01	2	320	54	0.13	10	2	39
ZZ29415		10	1	0.15	10	0.03	284	87	0.02	<1	660	343	0.31	65	6	62
ZZ29416		<10	<1	0.91	10	0.05	240	19	0.03	<1	1130	44	1.86	16	4	157
ZZ29417		<10	1	0.35	10	0.08	797	29	0.03	5	1510	27	0.61	14	8	53
ZZ29418		<10	<1	0.15	10	0.07	1880	10	0.02	3	2630	27	0.05	8	5	31
ZZ29419		<10	<1	0.13	10	0.08	3630	5	0.02	4	1610	16	0.01	4	15	37
ZZ29420		<10	<1	0.11	<10	0.07	1900	2	0.02	1	1400	15	0.03	8	10	28
ZZ29421		<10	1	0.13	<10	0.16	804	3	0.02	1	1990	12	0.01	5	10	43
ZZ29422		<10	1	0.14	10	0.15	1090	2	0.02	3	2320	11	0.01	6	13	34
ZZ29423		<10	<1	0.10	10	0.09	1710	2	0.02	1	1500	13	0.01	4	13	28
ZZ29424		<10	<1	0.11	10	0.15	990	1	0.02	1	1700	10	0.01	4	13	74
ZZ29425		<10	1	0.12	<10	0.13	1110	<1	0.02	<1	1630	6	0.01	<2	13	48
ZZ29426		<10	<1	0.13	<10	0.11	1310	1	0.02	<1	1040	10	0.02	2	5	46
ZZ29427		<10	<1	0.13	10	0.14	545	1	0.02	<1	1620	11	0.01	2	10	42
ZZ29428		<10	<1	0.12	10	0.10	1870	1	0.02	1	1960	16	0.01	<2	10	120
ZZ29429		<10	1	0.13	10	0.12	1100	<1	0.02	2	1720	12	0.01	3	10	34
ZZ29430		<10	1	0.13	10	0.09	627	<1	0.02	1	1340	13	0.01	2	7	31
ZZ29431		<10	1	0.12	10	0.16	826	2	0.02	5	1940	13	0.01	3	11	26
ZZ29432		<10	<1	0.16	<10	0.16	846	<1	0.02	<1	1700	5	0.01	2	10	53
ZZ29433		<10	<1	0.10	10	0.18	887	2	0.03	7	1510	10	0.02	<2	9	27
ZZ29434		<10	<1	0.20	10	0.27	1205	2	0.03	15	2930	8	0.01	3	21	34

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

Finalized Date: 13- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11161742

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29401		<20	0.01	<10	<10	117	<10	127
ZZ29402		<20	0.01	<10	<10	95	<10	97
ZZ29403		<20	<0.01	<10	<10	102	<10	142
ZZ29404		<20	<0.01	<10	<10	87	<10	110
ZZ29405		<20	<0.01	<10	<10	43	<10	67
ZZ29406		<20	<0.01	<10	<10	23	<10	45
ZZ29407		<20	<0.01	<10	<10	77	<10	62
ZZ29408		<20	<0.01	<10	<10	44	<10	67
ZZ29409		<20	<0.01	<10	<10	33	<10	69
ZZ29410		<20	<0.01	<10	<10	48	<10	66
ZZ29411		<20	<0.01	<10	<10	101	<10	150
ZZ29412		<20	<0.01	<10	<10	28	<10	45
ZZ29413		<20	<0.01	<10	<10	71	<10	71
ZZ29414		<20	<0.01	<10	<10	17	<10	91
ZZ29415		<20	<0.01	<10	<10	22	340	34
ZZ29416		<20	<0.01	<10	<10	30	10	79
ZZ29417		<20	<0.01	<10	<10	38	<10	132
ZZ29418		<20	<0.01	<10	<10	25	<10	78
ZZ29419		<20	<0.01	10	<10	84	<10	103
ZZ29420		<20	<0.01	<10	<10	40	<10	62
ZZ29421		<20	<0.01	<10	<10	47	<10	55
ZZ29422		<20	<0.01	<10	<10	64	<10	93
ZZ29423		<20	<0.01	<10	<10	50	<10	58
ZZ29424		<20	<0.01	<10	<10	44	<10	51
ZZ29425		<20	<0.01	<10	<10	40	<10	43
ZZ29426		<20	<0.01	<10	<10	21	<10	41
ZZ29427		<20	<0.01	<10	<10	34	<10	42
ZZ29428		<20	<0.01	<10	<10	30	<10	40
ZZ29429		<20	<0.01	<10	<10	37	<10	53
ZZ29430		<20	<0.01	<10	<10	28	<10	39
ZZ29431		<20	<0.01	<10	<10	73	<10	92
ZZ29432		<20	<0.01	<10	<10	23	<10	57
ZZ29433		<20	0.01	<10	<10	66	<10	78
ZZ29434		<20	0.02	<10	<10	115	<10	122

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1016- 510 W HASTINGS ST
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Finalized Date: 11- SEP- 2011
Account: F

CERTIFICATE WH11161741

Project: WLV - Dade
P.O. No.: Trench B
This report is for 45 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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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.

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Finalized Date: 11- SEP- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method / Analyte / Units / LOR	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
ZZ29435		0.026	<0.2	1.16	25	<10	210	<0.5	<2	0.44	<0.5	7	19	18	3.05	10
ZZ29436		0.013	<0.2	1.26	11	<10	180	<0.5	<2	0.38	<0.5	7	20	13	2.13	<10
ZZ29437		0.101	<0.2	1.06	53	<10	210	0.9	3	0.69	<0.5	11	11	25	5.09	<10
ZZ29438		0.051	<0.2	1.32	34	<10	240	0.6	<2	0.55	<0.5	10	26	18	3.69	10
ZZ29439		0.022	<0.2	1.56	25	<10	300	0.7	<2	0.61	<0.5	10	25	20	4.09	10
ZZ29440		0.145	0.2	0.93	83	<10	260	1.0	3	0.61	<0.5	11	19	30	4.79	10
ZZ29441		0.042	<0.2	1.18	60	<10	240	0.9	<2	0.63	<0.5	9	58	25	4.26	10
ZZ29442		0.093	0.4	1.02	88	<10	260	1.0	2	0.62	<0.5	9	19	26	4.36	<10
ZZ29443		0.039	<0.2	1.06	55	<10	240	0.8	<2	0.58	<0.5	7	18	23	3.31	<10
ZZ29444		0.011	<0.2	1.20	29	<10	250	0.7	<2	0.55	<0.5	8	21	21	3.18	10
ZZ29445		0.083	<0.2	1.07	168	<10	280	1.0	2	0.65	<0.5	11	21	32	4.77	10
ZZ29446		0.182	<0.2	0.82	356	<10	270	1.1	3	0.64	<0.5	10	11	29	4.52	<10
ZZ29447		0.196	0.3	0.72	541	<10	250	1.2	4	0.62	<0.5	9	8	29	4.39	<10
ZZ29448		0.751	0.6	0.71	1255	<10	370	1.5	10	0.76	0.5	15	7	50	6.46	<10
ZZ29449		1.235	0.8	0.66	1395	<10	310	1.3	14	0.67	0.5	12	13	44	4.98	<10
ZZ29450		0.831	0.4	0.48	1190	<10	160	1.2	6	0.65	1.2	9	2	61	4.35	<10
ZZ29451		1.045	2.5	0.65	4140	<10	530	1.1	32	0.54	1.4	34	7	52	5.31	<10
ZZ29452		2.10	10.8	0.63	2300	<10	250	1.5	87	0.40	1.9	44	5	144	7.79	<10
ZZ29453		0.063	0.5	1.03	374	<10	280	1.9	3	0.66	1.3	34	7	83	7.01	10
ZZ29454		0.007	<0.2	1.36	25	<10	460	1.2	2	0.99	<0.5	14	11	17	6.09	10
ZZ29455		0.005	<0.2	1.39	42	<10	540	1.2	2	1.03	<0.5	18	14	13	6.57	10
ZZ29456		0.003	<0.2	1.04	35	<10	830	1.8	2	1.71	<0.5	26	15	22	8.81	10
ZZ29457		0.014	<0.2	0.57	23	<10	420	0.9	<2	0.89	<0.5	9	1	8	3.38	<10
ZZ29458		0.004	<0.2	0.96	58	<10	430	1.5	<2	1.06	<0.5	17	8	12	6.71	10
ZZ29459		0.003	<0.2	0.58	44	<10	250	1.1	<2	1.39	<0.5	11	2	17	4.30	<10
ZZ29460		0.003	<0.2	0.52	29	<10	340	1.1	<2	0.69	<0.5	12	3	5	4.14	<10
ZZ29461		0.005	<0.2	0.74	92	<10	230	1.0	<2	0.84	<0.5	7	4	10	3.70	<10
ZZ29462		0.005	<0.2	0.85	157	<10	350	1.2	2	0.76	<0.5	9	7	14	4.94	<10
ZZ29463		0.003	<0.2	0.70	41	<10	280	0.8	<2	0.96	<0.5	8	6	9	3.45	<10
ZZ29464		0.006	<0.2	0.83	82	<10	490	1.0	<2	0.84	<0.5	9	4	16	4.84	<10
ZZ29465		0.008	0.2	1.19	106	<10	250	1.0	<2	0.68	<0.5	7	10	15	4.19	10
ZZ29466		0.006	<0.2	0.59	78	<10	560	1.2	<2	0.94	<0.5	10	3	12	4.64	<10
ZZ29467		0.001	<0.2	0.41	9	<10	150	0.8	<2	3.60	<0.5	4	1	6	2.30	<10
ZZ29468		0.009	0.4	0.94	860	<10	1330	2.0	3	0.63	<0.5	20	6	21	6.74	10
ZZ29469		0.001	<0.2	0.48	38	<10	750	1.0	<2	3.53	<0.5	12	3	9	3.30	<10
ZZ29470		0.002	<0.2	0.56	110	<10	720	1.1	<2	1.01	<0.5	9	4	7	3.93	<10
ZZ29471		0.009	<0.2	0.74	273	<10	380	1.5	2	1.00	<0.5	11	4	13	5.24	<10
ZZ29472		0.004	<0.2	1.05	40	<10	570	1.6	<2	0.99	<0.5	13	3	6	5.10	10
ZZ29473		0.003	<0.2	0.70	25	<10	470	1.4	<2	0.91	<0.5	9	6	8	4.67	<10
ZZ29474		0.002	<0.2	0.63	103	<10	1090	1.6	<2	0.89	<0.5	12	25	3	3.84	<10

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ29435		<1	0.07	10	0.34	354	2	0.02	10	680	10	0.01	3	5	23	<20
ZZ29436		<1	0.08	10	0.43	290	<1	0.01	13	710	5	<0.01	<2	4	20	<20
ZZ29437		<1	0.09	10	0.22	1095	2	0.01	8	2190	18	0.01	6	8	25	<20
ZZ29438		<1	0.10	10	0.50	551	3	0.02	15	1180	9	0.01	2	7	28	<20
ZZ29439		<1	0.11	10	0.51	643	2	0.02	14	1250	9	0.01	3	9	27	<20
ZZ29440		<1	0.09	20	0.29	671	6	0.03	13	1770	12	0.01	6	10	28	<20
ZZ29441		<1	0.11	20	0.39	564	4	0.03	20	1500	8	0.01	4	10	27	<20
ZZ29442		<1	0.10	10	0.27	661	3	0.02	13	1560	9	0.01	6	11	25	<20
ZZ29443		<1	0.11	10	0.31	416	2	0.03	12	1290	8	0.01	6	8	26	<20
ZZ29444		<1	0.10	10	0.42	474	2	0.03	12	1210	7	<0.01	4	7	27	<20
ZZ29445		<1	0.09	10	0.34	634	4	0.03	15	1710	9	0.01	6	10	27	<20
ZZ29446		<1	0.09	10	0.21	559	5	0.02	8	1760	12	0.01	8	10	25	<20
ZZ29447		<1	0.09	10	0.16	608	6	0.02	7	1490	14	0.01	9	11	24	<20
ZZ29448		<1	0.10	10	0.13	922	6	0.02	8	2530	24	0.01	16	12	29	<20
ZZ29449		<1	0.09	10	0.13	627	6	0.02	13	2030	26	0.01	17	11	27	<20
ZZ29450		<1	0.12	10	0.06	498	2	0.02	3	1570	13	0.03	25	11	23	<20
ZZ29451		<1	0.16	10	0.17	447	25	0.03	6	1400	68	0.20	21	7	99	<20
ZZ29452		<1	0.17	10	0.12	482	233	0.03	5	1100	137	0.25	70	7	116	<20
ZZ29453		<1	0.14	20	0.23	987	28	0.02	8	2050	20	0.05	15	15	49	<20
ZZ29454		<1	0.13	20	0.40	1140	1	0.03	5	3000	8	0.03	4	19	35	<20
ZZ29455		1	0.18	20	0.50	1435	1	0.03	9	3160	13	0.02	2	22	41	<20
ZZ29456		<1	0.19	30	0.37	2340	<1	0.03	12	4490	8	0.03	4	29	65	<20
ZZ29457		<1	0.11	10	0.08	1390	1	0.02	1	2300	9	0.01	5	10	31	<20
ZZ29458		1	0.17	20	0.20	1460	<1	0.02	7	2990	7	0.01	9	22	44	<20
ZZ29459		<1	0.13	10	0.09	1515	2	0.02	1	2390	9	0.01	6	13	43	<20
ZZ29460		<1	0.10	10	0.07	2020	2	0.02	2	1810	9	0.01	4	10	43	<20
ZZ29461		<1	0.12	10	0.15	777	2	0.02	3	2320	12	<0.01	4	10	28	<20
ZZ29462		<1	0.12	10	0.13	1060	3	0.03	4	2390	11	0.02	5	10	30	<20
ZZ29463		<1	0.11	10	0.13	1015	1	0.02	4	1960	5	0.01	2	10	33	<20
ZZ29464		<1	0.13	10	0.14	1195	1	0.03	5	2400	9	0.01	3	13	35	<20
ZZ29465		<1	0.10	30	0.28	606	1	0.03	6	1720	9	0.01	3	14	29	<20
ZZ29466		<1	0.11	20	0.10	2270	1	0.02	2	2050	15	0.01	6	11	32	<20
ZZ29467		<1	0.11	10	0.09	1000	<1	0.02	<1	1790	11	0.01	5	10	38	<20
ZZ29468		<1	0.14	20	0.18	4850	10	0.03	9	1620	18	0.01	37	11	34	<20
ZZ29469		<1	0.12	10	0.11	2480	1	0.03	1	2000	15	0.02	8	11	57	<20
ZZ29470		1	0.13	10	0.08	1360	1	0.02	3	2500	14	0.02	8	11	36	<20
ZZ29471		<1	0.13	10	0.09	1570	3	0.02	3	2440	11	0.01	10	15	38	<20
ZZ29472		<1	0.14	10	0.13	1925	2	0.03	2	2540	9	0.01	7	14	38	<20
ZZ29473		<1	0.13	10	0.11	781	1	0.02	4	2180	7	0.03	5	10	32	<20
ZZ29474		<1	0.16	20	0.08	650	<1	0.03	8	2590	10	0.03	4	19	43	<20

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	WEI- 21 Recvd Wt. kg 0.02
ZZ29435		0.05	<10	<10	64	<10	54	0.44
ZZ29436		0.06	<10	<10	45	<10	41	0.44
ZZ29437		0.01	<10	<10	87	<10	81	0.52
ZZ29438		0.06	<10	<10	70	<10	70	0.40
ZZ29439		0.05	<10	<10	81	<10	80	0.52
ZZ29440		0.02	<10	<10	82	<10	84	0.38
ZZ29441		0.03	<10	<10	75	<10	79	0.54
ZZ29442		0.02	<10	<10	74	<10	77	0.36
ZZ29443		0.03	<10	<10	59	<10	66	0.38
ZZ29444		0.05	<10	<10	61	<10	66	0.46
ZZ29445		0.03	<10	<10	85	<10	84	0.36
ZZ29446		0.01	<10	<10	73	<10	77	0.34
ZZ29447		0.01	<10	<10	62	<10	77	0.36
ZZ29448		0.01	<10	<10	95	<10	107	0.40
ZZ29449		0.01	<10	<10	73	<10	83	0.44
ZZ29450		<0.01	<10	<10	45	<10	55	0.28
ZZ29451		0.01	<10	<10	47	<10	95	0.36
ZZ29452		0.01	<10	<10	47	<10	141	0.34
ZZ29453		0.01	<10	<10	79	<10	182	0.34
ZZ29454		0.01	<10	<10	108	<10	126	0.38
ZZ29455		0.02	<10	<10	120	<10	148	0.36
ZZ29456		0.01	<10	<10	140	<10	193	0.38
ZZ29457		<0.01	<10	<10	35	<10	75	0.42
ZZ29458		<0.01	<10	<10	96	<10	163	0.32
ZZ29459		<0.01	<10	<10	72	<10	77	0.30
ZZ29460		<0.01	10	<10	59	<10	78	0.28
ZZ29461		<0.01	<10	<10	62	<10	83	0.46
ZZ29462		0.01	<10	<10	64	<10	96	0.34
ZZ29463		<0.01	<10	<10	54	<10	76	0.44
ZZ29464		<0.01	<10	<10	62	<10	100	0.42
ZZ29465		0.02	<10	<10	67	<10	89	0.38
ZZ29466		<0.01	<10	<10	47	<10	91	0.32
ZZ29467		<0.01	<10	<10	37	<10	47	0.28
ZZ29468		0.01	<10	<10	54	10	137	0.36
ZZ29469		<0.01	<10	<10	45	<10	81	0.32
ZZ29470		<0.01	<10	<10	49	<10	87	0.38
ZZ29471		<0.01	<10	<10	70	<10	107	0.44
ZZ29472		<0.01	<10	<10	64	<10	85	0.40
ZZ29473		<0.01	<10	<10	63	<10	98	0.36
ZZ29474		<0.01	<10	<10	69	<10	87	0.46

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2011
Account: F

Project: WLV - Dade

CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method / Analyte / Units / LOR	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10
ZZ29475		0.002	<0.2	1.20	12	<10	700	1.4	<2	1.31	<0.5	19	5	9	9.10	10
ZZ29476		0.003	<0.2	0.91	67	<10	490	1.3	<2	0.97	<0.5	11	4	16	6.10	<10
ZZ29477		0.003	<0.2	0.90	43	<10	700	1.4	<2	0.70	<0.5	8	5	11	4.97	<10
ZZ29478		0.003	<0.2	1.20	61	<10	340	1.3	<2	0.88	<0.5	9	7	19	5.58	10
ZZ29479		0.004	<0.2	1.05	92	<10	350	1.4	2	0.97	<0.5	9	5	10	5.57	<10

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CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20
ZZ29475		<1	0.21	20	0.24	2550	1	0.04	2	4220	5	0.01	3	25	48	<20
ZZ29476		1	0.14	10	0.14	1400	2	0.01	8	3100	13	0.01	2	15	37	<20
ZZ29477		<1	0.11	10	0.16	1090	1	0.01	4	1960	14	0.01	4	11	37	<20
ZZ29478		<1	0.13	10	0.21	835	1	0.01	6	2640	10	0.01	6	15	35	<20
ZZ29479		1	0.13	10	0.12	734	1	0.01	5	2920	10	<0.01	4	13	28	<20

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CERTIFICATE OF ANALYSIS WH11161741

Sample Description	Method Analyte Units LOR	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2	WEI- 21 Recvd Wt. kg 0.02
ZZ29475		0.02	<10	<10	151	<10	188	0.34
ZZ29476		<0.01	<10	<10	83	<10	132	0.42
ZZ29477		<0.01	<10	<10	65	<10	108	0.30
ZZ29478		0.01	<10	<10	80	<10	116	0.32
ZZ29479		<0.01	<10	<10	78	<10	108	0.42

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1016- 510 W HASTINGS ST
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Finalized Date: 29- SEP- 2011
Account: F

CERTIFICATE WH11160259

Project: Wolverine - Dade

P.O. No.: Trench C

This report is for 34 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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Finalized Date: 29- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11160259

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ29480		0.32	0.004	0.2	2.33	33	<10	420	1.5	2	1.19	<0.5	17	13	29	8.21
ZZ29491		0.36	0.007	0.2	2.41	48	<10	540	1.6	<2	1.71	<0.5	19	9	37	8.80
ZZ29492		0.44	0.006	<0.2	2.21	71	<10	310	1.0	<2	0.85	<0.5	23	16	34	7.27
ZZ29493		0.34	0.010	<0.2	0.91	232	<10	490	1.7	<2	0.93	<0.5	14	4	13	7.56
ZZ29494		0.46	0.005	<0.2	1.50	32	<10	290	1.2	<2	1.41	<0.5	12	8	17	6.60
ZZ29495		0.38	0.008	<0.2	1.57	166	<10	610	1.8	<2	1.13	<0.5	30	13	23	8.82
ZZ29496		0.40	0.006	<0.2	2.27	102	<10	420	1.2	<2	1.33	<0.5	22	20	36	7.56
ZZ29497		0.28	0.007	0.2	0.84	32	<10	390	1.6	<2	0.82	<0.5	13	3	11	6.84
ZZ29498		0.38	0.006	0.2	1.08	41	<10	990	1.4	<2	1.38	<0.5	20	7	17	10.60
ZZ29499		0.44	0.004	<0.2	1.35	26	<10	250	1.2	2	1.01	<0.5	13	10	18	5.99
ZZ29500		0.44	0.004	<0.2	1.08	47	<10	400	1.3	<2	1.29	<0.5	17	9	14	7.46
ZZ29351		0.40	0.005	<0.2	1.23	39	<10	380	1.3	<2	1.26	<0.5	18	9	15	7.72
ZZ29352		0.38	0.002	<0.2	2.01	13	<10	2780	0.9	<2	1.22	<0.5	26	11	10	7.88
ZZ29353		0.40	0.004	<0.2	1.02	38	<10	430	1.4	<2	0.94	<0.5	13	5	10	5.58
ZZ29354		0.48	0.010	<0.2	0.74	50	<10	240	1.7	<2	0.83	<0.5	22	5	13	6.75
ZZ29355		0.44	0.005	<0.2	1.00	121	<10	320	1.3	<2	0.93	<0.5	15	7	14	5.72
ZZ29356		0.38	0.006	<0.2	1.07	23	<10	400	1.3	<2	1.10	<0.5	15	8	12	7.21
ZZ29357		0.40	0.002	<0.2	1.16	15	<10	1920	1.1	<2	0.66	<0.5	24	34	31	6.47
ZZ29358		0.48	0.010	<0.2	1.05	41	<10	370	1.1	<2	0.85	<0.5	14	18	35	5.52
ZZ29359		0.44	0.026	<0.2	1.41	68	<10	390	1.2	<2	0.62	<0.5	12	22	32	4.74
ZZ29360		0.44	0.075	0.6	0.78	278	<10	270	1.6	<2	0.61	<0.5	12	13	70	4.72
ZZ29361		0.34	0.070	0.4	1.32	100	<10	410	1.3	<2	0.69	<0.5	12	19	38	5.14
ZZ29362		0.36	0.031	<0.2	0.69	120	<10	260	1.3	<2	0.71	<0.5	9	6	27	5.14
ZZ29363		0.28	0.059	<0.2	1.05	166	<10	300	1.3	<2	0.86	<0.5	15	15	50	6.29
ZZ29364		0.32	0.028	0.2	1.50	56	<10	500	1.5	<2	1.15	<0.5	17	15	55	7.97
ZZ29365		0.32	0.083	<0.2	1.95	242	<10	500	1.9	4	1.24	<0.5	35	451	52	9.14
ZZ29366		0.30	0.107	0.2	0.90	233	<10	290	1.8	3	0.71	<0.5	13	21	48	6.20
ZZ29367		0.38	0.087	0.3	0.84	175	<10	180	1.2	<2	0.77	<0.5	9	10	48	4.70
ZZ29368		0.46	0.232	0.3	1.23	169	<10	260	1.0	5	0.81	<0.5	16	22	63	6.25
ZZ29369		0.36	0.226	0.5	1.40	217	<10	280	1.2	15	0.78	<0.5	18	17	67	6.46
ZZ29370		0.38	0.169	0.3	1.30	173	<10	310	1.1	9	0.77	<0.5	17	16	52	5.71
ZZ29371		0.44	0.135	<0.2	1.41	159	<10	290	1.2	3	0.91	<0.5	17	19	52	6.59
ZZ29372		0.36	0.293	0.4	1.19	351	<10	260	1.2	8	0.82	<0.5	18	29	57	5.96
ZZ29373		0.42	0.200	<0.2	1.48	139	<10	220	0.7	3	0.46	<0.5	11	25	34	4.04

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11160259

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ29480		10	<1	0.15	30	0.51	1405	2	0.02	6	3890	18	0.01	2	24	37
ZZ29491		10	<1	0.14	30	0.59	2210	1	0.02	5	5460	8	0.01	2	26	55
ZZ29492		10	<1	0.11	20	0.67	1665	2	0.02	9	2440	10	0.02	<2	15	32
ZZ29493		<10	<1	0.14	20	0.16	2570	6	0.01	2	2420	12	<0.01	2	18	34
ZZ29494		10	<1	0.16	20	0.34	1225	2	0.02	5	4340	7	0.01	2	19	42
ZZ29495		10	<1	0.20	30	0.43	2360	2	0.01	13	3010	6	0.02	<2	25	53
ZZ29496		10	<1	0.15	20	0.91	1545	2	0.03	13	3970	7	0.01	4	15	44
ZZ29497		<10	<1	0.15	20	0.12	2200	3	<0.01	3	2700	8	<0.01	3	12	40
ZZ29498		<10	<1	0.18	50	0.23	2940	4	0.01	4	4330	9	0.02	2	29	53
ZZ29499		10	<1	0.15	10	0.38	876	1	0.02	7	2680	6	<0.01	6	17	34
ZZ29500		<10	<1	0.13	20	0.29	1715	1	0.01	5	3450	6	0.01	4	19	40
ZZ29351		10	<1	0.15	20	0.26	1315	1	0.01	6	4270	8	0.02	4	22	38
ZZ29352		10	<1	0.40	20	1.06	1660	<1	0.03	8	2530	3	0.07	3	26	149
ZZ29353		<10	<1	0.15	10	0.25	1175	1	0.01	2	2600	7	0.01	4	15	37
ZZ29354		<10	<1	0.16	10	0.13	1455	1	0.01	7	2340	10	<0.01	8	23	32
ZZ29355		<10	<1	0.14	20	0.25	1685	5	0.02	5	2890	10	<0.01	8	19	34
ZZ29356		<10	<1	0.19	20	0.21	1570	<1	0.02	5	3700	5	<0.01	3	19	36
ZZ29357		10	<1	0.45	20	0.51	1410	<1	0.02	12	1530	5	0.04	5	28	80
ZZ29358		<10	1	0.17	20	0.34	921	1	0.02	11	2510	6	0.01	6	18	30
ZZ29359		10	<1	0.14	20	0.40	811	11	0.02	13	1210	12	0.01	6	13	32
ZZ29360		<10	<1	0.14	10	0.18	697	16	0.02	10	1800	15	<0.01	13	13	26
ZZ29361		<10	<1	0.14	20	0.32	998	4	0.02	12	1680	9	0.02	6	14	31
ZZ29362		<10	<1	0.10	20	0.12	920	1	0.01	4	2290	9	<0.01	6	15	24
ZZ29363		10	1	0.13	20	0.36	1170	4	0.03	10	2480	11	0.01	6	18	28
ZZ29364		10	1	0.17	30	0.56	1960	<1	0.03	9	3620	11	0.04	3	22	36
ZZ29365		10	1	0.17	30	1.54	2440	2	0.02	244	2700	8	0.01	4	26	46
ZZ29366		<10	<1	0.12	20	0.25	1005	4	0.02	21	2260	15	0.01	12	13	27
ZZ29367		<10	<1	0.10	20	0.19	621	3	0.02	9	2380	11	0.01	12	14	28
ZZ29368		10	<1	0.10	20	0.52	1170	6	0.02	18	2880	16	0.01	2	12	28
ZZ29369		10	<1	0.15	20	0.71	1195	10	0.02	13	2400	24	0.02	5	12	32
ZZ29370		10	<1	0.11	20	0.53	1305	7	0.02	14	2610	16	0.01	2	10	30
ZZ29371		10	<1	0.13	30	0.58	1350	3	0.02	14	3100	9	0.01	3	15	31
ZZ29372		10	<1	0.11	20	0.45	1090	4	0.02	20	2830	18	0.01	6	12	28
ZZ29373		10	1	0.10	10	0.50	656	3	0.02	15	1300	12	0.02	5	7	25

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

Finalized Date: 29- SEP- 2011
Account: F

Project: Wolverine - Dade

CERTIFICATE OF ANALYSIS WH11160259

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ29480		<20	0.02	<10	<10	149	<10	173
ZZ29491		<20	0.01	<10	<10	167	<10	186
ZZ29492		<20	0.04	<10	<10	131	<10	116
ZZ29493		<20	0.01	<10	<10	99	<10	144
ZZ29494		<20	0.02	<10	<10	123	<10	126
ZZ29495		<20	0.02	<10	<10	129	<10	179
ZZ29496		<20	0.05	<10	<10	140	<10	139
ZZ29497		<20	<0.01	<10	<10	47	<10	126
ZZ29498		<20	0.01	<10	<10	157	<10	187
ZZ29499		<20	0.02	<10	<10	119	<10	106
ZZ29500		<20	0.01	<10	<10	114	<10	138
ZZ29351		<20	0.01	<10	<10	123	<10	155
ZZ29352		<20	0.05	<10	<10	162	<10	129
ZZ29353		<20	0.01	<10	<10	96	<10	104
ZZ29354		<20	<0.01	<10	<10	88	<10	127
ZZ29355		<20	0.01	<10	<10	89	<10	119
ZZ29356		<20	0.01	<10	<10	138	<10	138
ZZ29357		<20	0.07	<10	<10	138	<10	109
ZZ29358		<20	0.02	<10	<10	94	<10	96
ZZ29359		<20	0.03	<10	<10	81	<10	91
ZZ29360		<20	0.01	<10	<10	61	<10	94
ZZ29361		<20	0.02	<10	<10	78	<10	91
ZZ29362		<20	<0.01	<10	<10	81	<10	82
ZZ29363		<20	0.02	<10	<10	110	<10	104
ZZ29364		<20	0.02	<10	<10	138	<10	150
ZZ29365		<20	0.03	<10	<10	144	40	153
ZZ29366		<20	0.01	<10	<10	93	<10	95
ZZ29367		<20	0.01	<10	<10	80	<10	72
ZZ29368		<20	0.03	<10	<10	105	10	96
ZZ29369		<20	0.05	<10	<10	108	<10	97
ZZ29370		<20	0.04	<10	<10	95	<10	92
ZZ29371		<20	0.03	<10	<10	109	10	109
ZZ29372		<20	0.02	<10	<10	94	10	96
ZZ29373		<20	0.06	<10	<10	79	<10	70

ALS Canada Ltd.

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

Finalized Date: 11- AUG- 2011
Account: F

CERTIFICATE WH11126730

Project: Wolverine- Dade

P.O. No.:

This report is for 105 Soil samples submitted to our lab in Whitehorse, YT, Canada on 6- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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ALS Minerals

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

Finalized Date: 11- AUG- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	WEI-21 Recvd Wt. kg .02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC138854	0.21	<0.001	0.2	1.85	9	<10	350	0.7	<2	0.38	<0.5	8	25	28	2.50
CC138855	0.29	0.001	0.2	1.57	10	<10	120	0.6	<2	0.26	<0.5	7	24	15	2.45
CC138856	0.22	0.010	0.2	1.72	13	<10	150	0.8	<2	0.20	<0.5	10	29	20	3.06
CC138857	0.17	0.005	0.2	1.38	7	<10	160	<0.5	<2	0.28	<0.5	6	24	16	2.26
CC138858	0.30	0.002	0.2	1.86	10	<10	190	0.7	<2	0.26	<0.5	8	29	20	2.49
CC138859	0.23	0.001	0.2	1.83	10	<10	190	0.6	<2	0.27	<0.5	7	26	25	2.69
CC138860	0.24	0.001	0.2	1.92	10	<10	110	0.6	<2	0.24	<0.5	9	26	20	2.73
CC138861	0.23	0.002	0.2	1.48	7	<10	110	0.6	<2	0.14	<0.5	8	24	15	2.67
CC138862	0.16	0.002	<0.2	0.99	8	<10	110	<0.5	<2	0.43	<0.5	7	17	18	2.30
CC138863	0.26	0.002	0.2	1.58	10	<10	120	1.1	<2	0.41	<0.5	11	21	23	3.25
CC138864	0.18	0.001	0.2	1.84	9	<10	210	0.8	<2	0.58	<0.5	11	25	30	2.74
CC138865	0.22	<0.001	0.2	1.31	9	<10	180	0.6	<2	0.42	<0.5	8	19	16	2.98
CC138866	0.18	<0.001	0.3	1.52	4	<10	340	0.5	2	0.54	0.5	6	24	19	2.20
CC138867	0.23	0.002	<0.2	1.33	5	<10	90	0.7	<2	0.37	<0.5	7	22	23	2.17
CC138868	0.26	0.001	0.2	1.53	8	<10	120	0.9	<2	0.41	<0.5	9	25	24	2.97
CC138869	0.20	0.004	<0.2	1.41	8	<10	130	<0.5	<2	0.15	<0.5	5	22	20	2.60
CC138870	0.21	<0.001	0.2	1.35	12	<10	110	<0.5	<2	0.26	<0.5	6	24	17	2.95
CC138871	0.20	<0.001	<0.2	1.33	10	<10	110	<0.5	<2	0.16	<0.5	6	23	13	2.56
CC138872	0.17	0.001	0.2	1.45	10	<10	190	0.6	<2	0.45	<0.5	9	21	25	2.81
CC138873	0.33	<0.001	0.2	1.44	12	<10	140	0.8	<2	0.65	<0.5	10	13	23	3.71
CC138874	0.34	0.006	0.2	1.32	10	<10	130	0.5	<2	0.36	<0.5	8	22	17	2.81
CC138875	0.26	0.006	0.2	1.68	6	<10	90	0.5	<2	0.41	<0.5	9	31	17	2.68
CC138876	0.21	0.001	0.3	2.04	8	<10	240	1.0	<2	0.55	<0.5	9	31	34	3.00
CC138877	0.28	<0.001	<0.2	1.53	7	<10	120	0.5	<2	0.29	<0.5	8	24	16	2.33
CC138878	0.15	0.002	0.2	1.57	6	<10	130	0.5	<2	0.29	<0.5	8	24	18	2.37
CC139051	0.27	0.002	0.3	1.69	8	<10	760	1.0	<2	0.79	<0.5	6	18	18	2.94
CC139052	Destroyed														
CC139053	0.46	0.001	0.2	1.23	8	<10	160	0.6	<2	0.54	<0.5	8	20	12	2.90
CC139054	Destroyed														
CC139055	0.33	<0.001	<0.2	1.20	6	<10	340	<0.5	<2	0.57	<0.5	5	20	12	1.83
CC139056	0.32	<0.001	<0.2	1.70	9	<10	210	0.5	<2	0.24	<0.5	7	25	13	2.48
CC139057	0.35	<0.001	<0.2	1.90	10	<10	150	0.5	<2	0.27	<0.5	9	24	12	2.67
CC139058	0.36	0.001	<0.2	1.59	6	<10	90	<0.5	<2	0.24	<0.5	8	25	20	2.20
CC139059	0.38	0.003	<0.2	1.54	9	<10	80	<0.5	<2	0.34	<0.5	6	22	16	2.46
CC139060	Destroyed														
CC139061	0.46	0.002	<0.2	2.11	10	<10	200	0.7	<2	0.27	<0.5	8	24	16	2.74
CC139062	0.34	0.005	<0.2	1.95	8	<10	100	<0.5	<2	0.29	<0.5	9	24	13	2.61
CC139063	Destroyed														
CC139064	Destroyed														
CC139065	Destroyed														

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To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
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Finalized Date: 11- AUG- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC138854	10	<1	0.07	20	0.41	498	1	0.03	18	720	72	0.05	<2	3	28
CC138855	<10	<1	0.06	20	0.45	282	1	0.03	15	750	17	0.01	2	3	18
CC138856	10	<1	0.09	20	0.47	582	1	0.03	17	790	15	<0.01	3	6	16
CC138857	10	<1	0.07	10	0.41	343	1	0.03	13	800	7	0.04	2	3	27
CC138858	10	<1	0.08	20	0.55	279	<1	0.03	17	700	10	0.02	2	3	22
CC138859	10	<1	0.06	20	0.45	298	1	0.03	16	690	8	0.04	2	3	26
CC138860	10	<1	0.07	10	0.49	352	1	0.03	17	570	9	0.01	<2	4	19
CC138861	10	<1	0.06	20	0.42	402	1	0.03	14	660	8	0.02	2	3	13
CC138862	<10	<1	0.05	10	0.32	376	1	0.03	11	790	7	0.04	2	3	30
CC138863	<10	<1	0.04	20	0.47	573	1	0.03	15	1230	8	0.01	6	7	25
CC138864	10	<1	0.05	20	0.49	753	1	0.04	17	1020	17	0.06	<2	3	43
CC138865	<10	<1	0.04	20	0.31	533	1	0.04	11	1010	8	0.07	<2	3	28
CC138866	10	<1	0.05	10	0.41	310	1	0.04	13	1230	27	0.08	3	3	35
CC138867	<10	<1	0.05	10	0.47	401	<1	0.03	14	960	58	0.02	2	3	27
CC138868	<10	<1	0.06	20	0.49	589	1	0.03	17	970	11	0.03	4	4	30
CC138869	10	<1	0.04	10	0.29	182	1	0.03	12	540	7	0.03	<2	1	15
CC138870	10	<1	0.06	10	0.40	324	1	0.03	13	700	8	0.06	<2	2	23
CC138871	10	<1	0.06	10	0.35	265	1	0.02	15	530	7	0.03	<2	2	16
CC138872	10	<1	0.06	10	0.48	581	1	0.03	14	1040	8	0.05	3	2	32
CC138873	10	1	0.05	20	0.52	977	1	0.03	9	2200	7	0.01	24	6	35
CC138874	<10	<1	0.06	10	0.44	457	1	0.03	15	990	6	0.02	3	3	25
CC138875	<10	<1	0.05	10	0.62	409	1	0.03	17	1120	6	0.02	<2	3	29
CC138876	10	<1	0.06	40	0.49	811	1	0.03	18	1550	14	0.10	4	4	44
CC138877	<10	<1	0.06	10	0.45	436	<1	0.03	15	880	8	0.01	2	3	22
CC138878	10	<1	0.06	10	0.47	318	1	0.04	16	770	8	0.04	2	3	30
CC139051	<10	<1	0.10	40	0.32	397	1	0.05	12	900	5	0.06	2	7	47
CC139052															
CC139053	<10	<1	0.07	20	0.43	430	<1	0.04	13	1100	5	0.01	3	5	35
CC139054															
CC139055	<10	<1	0.04	10	0.38	229	<1	0.03	13	1000	4	0.05	<2	2	36
CC139056	10	1	0.08	20	0.44	296	1	0.03	17	430	7	<0.01	2	5	19
CC139057	<10	<1	0.08	10	0.48	455	<1	0.03	16	730	6	<0.01	<2	4	18
CC139058	10	<1	0.04	10	0.41	376	1	0.03	12	950	8	0.03	2	2	19
CC139059	10	<1	0.07	10	0.50	269	<1	0.03	12	1010	6	0.01	<2	3	24
CC139060															
CC139061	10	<1	0.09	10	0.52	372	<1	0.03	18	680	7	<0.01	<2	4	21
CC139062	10	<1	0.07	10	0.48	343	<1	0.03	16	890	6	0.01	<2	4	20
CC139063															
CC139064															
CC139065															

ALS Canada Ltd.

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

Finalized Date: 11- AUG- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC138854		<20	0.06	<10	<10	54	<10	69
CC138855		<20	0.06	<10	<10	56	<10	50
CC138856		<20	0.07	<10	<10	66	<10	62
CC138857		<20	0.05	<10	<10	56	<10	52
CC138858		<20	0.06	<10	<10	59	<10	54
CC138859		<20	0.05	<10	<10	60	<10	48
CC138860		<20	0.08	<10	<10	58	<10	49
CC138861		<20	0.06	<10	<10	58	<10	47
CC138862		<20	0.05	<10	<10	55	<10	44
CC138863		<20	0.04	<10	<10	74	<10	60
CC138864		<20	0.05	<10	<10	60	<10	55
CC138865		<20	0.06	<10	<10	69	<10	41
CC138866		<20	0.03	<10	<10	57	<10	92
CC138867		<20	0.05	<10	<10	52	<10	62
CC138868		<20	0.05	<10	<10	63	<10	59
CC138869		<20	0.05	<10	<10	71	<10	39
CC138870		<20	0.06	<10	<10	69	<10	55
CC138871		<20	0.05	<10	<10	57	<10	49
CC138872		<20	0.05	<10	<10	60	<10	62
CC138873		<20	0.02	<10	<10	82	<10	63
CC138874		<20	0.06	<10	<10	65	<10	47
CC138875		<20	0.06	<10	<10	62	<10	51
CC138876		<20	0.03	<10	<10	63	<10	66
CC138877		<20	0.07	<10	<10	54	<10	50
CC138878		<20	0.06	<10	<10	53	<10	48
CC139051		<20	0.02	<10	<10	47	<10	62
CC139052								
CC139053		<20	0.05	<10	<10	58	<10	59
CC139054								
CC139055		<20	0.04	<10	<10	42	<10	44
CC139056		<20	0.07	<10	<10	56	<10	45
CC139057		<20	0.07	<10	<10	52	<10	50
CC139058		<20	0.05	<10	<10	53	<10	34
CC139059		<20	0.08	<10	<10	57	<10	43
CC139060								
CC139061		<20	0.06	<10	<10	55	<10	51
CC139062		<20	0.08	<10	<10	56	<10	46
CC139063								
CC139064								
CC139065								

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Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC139066		Destroyed														
CC139067		0.28	0.001	<0.2	2.94	12	<10	190	0.8	<2	0.28	<0.5	8	36	40	3.80
CC139068		0.36	0.002	0.2	1.99	5	<10	190	0.6	<2	0.67	<0.5	8	24	40	3.30
CC139069		Destroyed														
CC139070		0.38	<0.001	<0.2	1.26	8	<10	240	0.5	<2	0.46	<0.5	9	23	21	2.61
CC139071		Destroyed														
CC139115		0.33	0.005	<0.2	1.65	7	<10	140	<0.5	<2	0.16	<0.5	9	21	13	2.80
CC139116		0.34	0.001	<0.2	1.53	4	<10	200	<0.5	<2	0.79	<0.5	10	18	17	2.31
CC139117		0.34	0.001	<0.2	1.31	8	<10	500	0.6	<2	0.67	<0.5	7	20	19	2.36
CC139118		0.28	0.004	<0.2	1.46	14	<10	350	0.6	<2	0.44	<0.5	11	24	21	3.04
CC139119		0.40	0.002	<0.2	1.46	9	<10	380	0.7	<2	0.63	<0.5	10	21	14	3.48
CC139120		Destroyed														
CC139298		0.19	0.003	0.2	1.66	12	<10	340	0.5	<2	0.47	0.5	10	26	25	2.67
CC139299		0.23	0.004	0.8	1.15	18	<10	600	0.8	<2	0.98	1.0	13	24	29	3.74
CC139300		0.12	0.052	<0.2	1.20	4	<10	520	<0.5	<2	1.11	<0.5	8	13	18	2.27
CC139301		0.37	0.001	<0.2	1.46	5	<10	100	<0.5	<2	0.19	<0.5	8	23	13	2.21
CC139302		0.33	0.004	<0.2	1.69	4	<10	120	0.5	<2	0.87	<0.5	9	20	14	3.52
CC139303		0.28	0.004	<0.2	1.35	3	<10	160	<0.5	<2	0.32	<0.5	9	23	12	1.76
CC139304		0.53	0.001	<0.2	1.39	4	<10	150	<0.5	<2	0.42	<0.5	7	25	13	1.98
CC139305		0.18	0.002	0.3	1.26	4	<10	250	0.5	<2	0.51	<0.5	8	21	19	2.73
CC139306		0.36	0.002	<0.2	1.21	6	<10	140	<0.5	<2	0.32	<0.5	6	19	11	2.59
CC139307		0.24	<0.001	<0.2	1.17	6	<10	150	<0.5	<2	0.25	<0.5	7	21	16	2.66
CC139308		0.26	<0.001	<0.2	1.70	20	<10	230	0.6	<2	0.33	<0.5	6	26	17	5.60
CC139309		0.47	0.002	<0.2	1.38	7	<10	110	<0.5	<2	0.31	<0.5	6	26	11	1.95
CC139310		0.36	0.010	<0.2	1.15	5	<10	130	0.6	<2	0.48	<0.5	9	26	18	2.72
CC139311		0.19	<0.001	<0.2	0.55	5	<10	50	<0.5	<2	0.15	<0.5	5	11	9	1.78
CC139312		0.30	0.012	0.2	1.40	11	<10	110	0.6	<2	0.25	<0.5	8	22	14	2.82
CC139313		0.19	0.001	<0.2	1.02	6	<10	90	<0.5	<2	0.17	<0.5	6	16	16	1.90
CC139314		0.17	<0.001	<0.2	0.99	4	<10	130	<0.5	<2	0.26	<0.5	6	16	12	2.10
CC139315		0.26	0.002	<0.2	1.35	9	<10	170	0.5	<2	0.42	<0.5	11	22	16	2.44
CC139316		0.40	0.002	<0.2	1.65	9	<10	130	0.6	<2	0.29	<0.5	9	26	17	2.53
CC139317		0.14	0.009	<0.2	1.22	5	<10	110	<0.5	<2	0.29	<0.5	6	18	15	2.10
CC139318		Destroyed														
CC139319		0.26	<0.001	<0.2	1.10	6	<10	80	<0.5	<2	0.26	<0.5	7	31	14	2.27
CC139320		0.12	0.005	<0.2	1.24	6	<10	140	<0.5	<2	0.52	<0.5	7	27	25	2.41
CC139451		0.25	0.002	<0.2	1.65	14	<10	190	0.7	<2	0.24	<0.5	11	23	18	3.64
CC139452		0.21	0.002	0.2	1.88	11	<10	230	0.7	2	0.23	<0.5	9	27	19	3.67
CC139453		0.23	0.005	<0.2	1.54	7	<10	180	0.5	<2	0.36	<0.5	6	23	16	2.47
CC139454		0.13	0.001	<0.2	0.87	4	<10	210	<0.5	<2	0.19	<0.5	4	13	13	2.02
CC139455		0.28	0.004	<0.2	1.43	8	<10	230	<0.5	<2	0.27	<0.5	5	26	12	2.61

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VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2011
Account: F

Project: Wolverine- Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC139066																
CC139067		10	1	0.11	20	0.67	278	1	0.03	19	540	9	0.02	<2	6	30
CC139068		10	<1	0.09	20	0.69	309	<1	0.04	15	1920	5	<0.01	<2	7	39
CC139069																
CC139070		10	<1	0.09	10	0.49	373	1	0.01	17	1130	11	0.01	3	6	24
CC139071																
CC139115		10	<1	0.07	10	0.39	478	1	0.01	14	630	9	0.04	<2	2	15
CC139116		<10	<1	0.07	10	0.43	364	1	0.01	10	730	8	0.04	<2	4	51
CC139117		<10	<1	0.09	20	0.39	414	1	0.01	11	780	72	0.03	<2	4	42
CC139118		10	<1	0.11	20	0.45	556	1	0.01	13	460	38	0.02	<2	6	31
CC139119		10	<1	0.07	20	0.46	483	1	0.01	10	890	8	0.03	<2	6	35
CC139120																
CC139298		10	<1	0.07	20	0.47	793	1	0.01	15	950	72	0.07	<2	3	30
CC139299		<10	<1	0.11	20	0.43	1175	3	0.01	14	770	100	0.08	6	7	39
CC139300		<10	<1	0.05	10	0.65	611	<1	0.01	7	960	13	0.11	3	3	44
CC139301		10	<1	0.06	10	0.40	352	<1	0.01	12	600	7	0.02	<2	2	16
CC139302		10	<1	0.05	10	0.56	519	<1	0.02	8	2970	6	0.02	<2	3	34
CC139303		10	<1	0.06	10	0.45	591	<1	0.01	11	620	6	0.01	<2	3	21
CC139304		10	<1	0.07	10	0.50	251	<1	0.01	11	940	8	0.01	<2	4	25
CC139305		10	<1	0.05	30	0.40	347	<1	0.02	9	1260	7	0.03	<2	6	27
CC139306		10	<1	0.04	10	0.42	291	<1	0.01	8	940	5	0.02	<2	3	19
CC139307		10	<1	0.05	10	0.36	205	<1	0.01	10	600	7	0.01	<2	3	21
CC139308		10	<1	0.05	20	0.41	195	<1	0.01	11	970	11	0.06	<2	5	21
CC139309		10	<1	0.05	10	0.46	170	<1	0.01	12	810	9	0.02	<2	3	18
CC139310		<10	<1	0.07	20	0.49	350	<1	0.01	13	1050	9	<0.01	<2	6	26
CC139311		10	<1	0.04	<10	0.11	95	1	0.01	6	340	5	0.03	<2	1	16
CC139312		10	<1	0.07	10	0.44	296	1	0.01	12	720	9	0.03	<2	3	19
CC139313		10	<1	0.06	10	0.25	222	1	0.01	11	460	7	0.04	<2	1	16
CC139314		10	<1	0.05	10	0.27	196	<1	0.02	8	510	6	0.03	<2	2	20
CC139315		10	<1	0.05	10	0.41	1175	<1	0.01	10	870	7	0.03	<2	3	26
CC139316		10	<1	0.07	20	0.52	401	1	0.01	13	760	13	0.02	<2	3	21
CC139317		10	<1	0.05	10	0.31	231	1	0.01	9	600	7	0.02	<2	2	23
CC139318																
CC139319		<10	<1	0.05	10	0.37	311	<1	0.02	15	710	6	0.02	2	2	16
CC139320		<10	<1	0.05	10	0.46	420	<1	0.02	15	1020	7	0.07	<2	3	37
CC139451		<10	<1	0.08	20	0.46	647	1	0.01	13	630	7	0.02	3	6	17
CC139452		10	<1	0.08	10	0.48	609	1	0.02	16	540	8	0.02	<2	6	17
CC139453		<10	<1	0.07	10	0.42	265	<1	0.01	14	710	5	0.02	<2	4	23
CC139454		<10	<1	0.05	10	0.19	233	<1	0.03	7	670	3	0.04	<2	1	15
CC139455		10	<1	0.08	10	0.46	286	<1	0.01	13	520	6	0.01	2	3	18

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CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC139066								
CC139067		<20	0.08	<10	<10	85	<10	68
CC139068		<20	0.08	<10	<10	79	<10	58
CC139069								
CC139070		<20	0.07	<10	<10	61	<10	55
CC139071								
CC139115		<20	0.04	<10	<10	49	<10	49
CC139116		<20	0.03	<10	<10	41	<10	39
CC139117		<20	0.04	<10	<10	43	<10	102
CC139118		<20	0.05	<10	<10	58	<10	118
CC139119		<20	0.03	<10	<10	60	<10	49
CC139120								
CC139298		<20	0.04	<10	<10	55	<10	73
CC139299		<20	0.02	<10	<10	57	<10	176
CC139300		<20	0.01	<10	<10	45	<10	60
CC139301		<20	0.05	<10	<10	47	<10	46
CC139302		<20	0.08	<10	<10	90	<10	70
CC139303		<20	0.06	<10	<10	46	<10	48
CC139304		<20	0.08	<10	<10	52	<10	48
CC139305		<20	0.05	<10	<10	54	<10	51
CC139306		<20	0.05	<10	<10	56	<10	48
CC139307		<20	0.07	<10	<10	70	<10	40
CC139308		<20	0.04	<10	<10	80	<10	42
CC139309		<20	0.06	<10	<10	49	<10	41
CC139310		<20	0.07	<10	<10	62	<10	56
CC139311		<20	0.08	<10	<10	64	<10	24
CC139312		<20	0.05	<10	<10	61	<10	47
CC139313		<20	0.06	<10	<10	47	<10	38
CC139314		<20	0.07	<10	<10	57	<10	40
CC139315		<20	0.07	<10	<10	65	<10	42
CC139316		<20	0.06	<10	<10	57	<10	54
CC139317		<20	0.08	<10	<10	54	<10	37
CC139318								
CC139319		<20	0.06	<10	<10	56	<10	39
CC139320		<20	0.06	<10	<10	59	<10	42
CC139451		<20	0.04	<10	<10	67	<10	59
CC139452		<20	0.05	<10	<10	73	<10	63
CC139453		<20	0.06	<10	<10	53	<10	45
CC139454		<20	0.03	<10	<10	42	<10	32
CC139455		<20	0.09	<10	<10	59	<10	49

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CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC139456		0.23	0.003	0.2	1.57	8	<10	180	<0.5	<2	0.22	<0.5	5	26	11	2.98
CC139457		0.29	<0.001	<0.2	1.45	7	<10	260	<0.5	<2	0.40	<0.5	7	19	11	2.73
CC139458		0.25	<0.001	<0.2	1.54	8	<10	110	<0.5	<2	0.20	<0.5	6	22	12	2.35
CC139459		0.20	0.001	<0.2	1.85	8	<10	320	0.5	<2	0.37	<0.5	9	27	18	3.16
CC139460		0.20	0.003	<0.2	1.81	7	<10	420	0.7	<2	0.39	<0.5	7	24	18	3.19
CC139461		0.28	<0.001	0.2	1.89	10	<10	220	0.5	<2	0.31	<0.5	8	29	17	3.11
CC139462		0.25	0.003	<0.2	1.35	4	<10	110	<0.5	<2	0.27	<0.5	4	23	12	1.67
CC139463		0.22	0.001	<0.2	1.46	4	<10	160	<0.5	<2	0.30	<0.5	4	22	13	1.85
CC139464		0.31	<0.001	<0.2	1.41	6	<10	240	<0.5	<2	0.50	<0.5	8	25	19	3.04
CC139465		0.21	0.001	<0.2	1.40	6	<10	190	<0.5	<2	0.37	<0.5	9	22	13	2.78
CC139466		0.17	0.007	<0.2	1.93	10	<10	130	0.5	<2	0.27	<0.5	9	27	14	3.14
CC139467		0.25	0.001	<0.2	2.74	13	<10	340	1.7	<2	1.18	<0.5	12	30	37	5.90
CC139468		0.27	0.001	<0.2	1.95	7	<10	110	0.5	<2	0.34	<0.5	10	27	18	2.78
CC139469		0.18	0.001	<0.2	1.29	7	<10	100	<0.5	<2	0.27	<0.5	6	24	14	2.23
CC139470		0.30	0.002	<0.2	1.60	6	<10	120	0.5	<2	0.34	<0.5	7	24	17	2.61
CC139471		0.23	0.008	<0.2	1.08	4	<10	160	<0.5	<2	0.30	<0.5	4	15	12	2.00
CC139472		0.16	0.005	0.2	1.45	5	<10	190	0.7	<2	0.27	<0.5	4	18	17	2.18
CC139473		0.22	0.001	0.2	1.21	3	<10	150	0.5	<2	0.33	<0.5	7	19	17	2.15
CC139474		0.24	0.001	<0.2	1.31	3	<10	110	0.5	<2	0.47	<0.5	6	18	19	2.58
CC139475		0.20	0.003	<0.2	1.51	6	<10	70	<0.5	<2	0.19	<0.5	7	23	16	2.21
CC139476		0.22	0.002	<0.2	1.05	5	<10	90	<0.5	<2	0.34	<0.5	7	19	15	2.04
CC139477		0.12	0.009	<0.2	1.10	5	<10	80	<0.5	<2	0.23	<0.5	7	19	16	2.12
CC139478		0.31	0.002	<0.2	1.36	6	<10	140	<0.5	<2	0.35	<0.5	8	23	19	2.69
CC139479		0.20	0.001	<0.2	1.48	9	<10	270	<0.5	<2	0.35	<0.5	8	23	13	2.68
CC139480		0.13	<0.001	0.2	1.71	9	<10	190	0.6	<2	0.22	<0.5	8	23	26	2.97

ALS Minerals

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

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

Finalized Date: 11-AUG-2011
Account: F

Project: Wolverine-Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
CC139456		10	<1	0.06	10	0.47	299	1	0.02	12	400	7	0.02	2	3	17
CC139457		<10	<1	0.06	20	0.47	421	<1	0.02	10	840	5	0.02	<2	3	24
CC139458		<10	<1	0.06	10	0.42	246	<1	0.01	13	510	6	0.01	<2	3	13
CC139459		10	<1	0.09	20	0.55	546	<1	0.02	17	700	6	0.02	2	5	24
CC139460		10	<1	0.07	40	0.45	452	1	0.02	14	750	7	0.05	2	7	30
CC139461		10	<1	0.08	20	0.57	398	1	0.02	16	640	7	0.03	<2	5	22
CC139462		<10	<1	0.07	10	0.45	175	<1	<0.01	12	610	5	0.01	<2	3	16
CC139463		<10	<1	0.07	10	0.46	150	<1	0.01	14	730	6	0.02	<2	3	18
CC139464		10	<1	0.09	20	0.64	521	<1	0.02	18	1060	5	0.03	<2	4	28
CC139465		<10	<1	0.06	20	0.53	402	<1	0.02	12	910	5	0.03	2	4	23
CC139466		10	<1	0.08	10	0.57	399	1	0.02	14	660	6	0.02	<2	5	20
CC139467		10	<1	0.07	40	1.11	802	<1	0.02	11	2610	3	0.02	5	19	65
CC139468		10	<1	0.08	10	0.61	460	<1	0.02	18	910	6	0.03	2	4	21
CC139469		<10	<1	0.06	10	0.44	307	<1	0.01	12	640	8	0.02	<2	3	19
CC139470		<10	<1	0.07	10	0.53	375	<1	0.02	13	1030	40	0.04	<2	4	23
CC139471		<10	<1	0.06	10	0.26	356	<1	0.01	8	870	5	0.02	<2	2	19
CC139472		<10	<1	0.04	20	0.28	185	<1	0.02	9	680	5	0.03	<2	3	30
CC139473		10	<1	0.05	20	0.39	284	<1	0.01	10	810	7	0.02	<2	3	29
CC139474		10	<1	0.04	10	0.41	216	<1	0.02	8	1480	5	0.02	<2	2	31
CC139475		10	<1	0.05	10	0.40	209	<1	0.01	12	710	7	0.03	<2	2	15
CC139476		<10	<1	0.05	10	0.37	203	<1	0.02	12	940	6	0.02	<2	2	20
CC139477		10	<1	0.04	10	0.29	188	<1	0.01	9	640	7	0.01	<2	2	17
CC139478		10	<1	0.06	10	0.47	287	1	0.01	11	860	7	0.02	<2	3	27
CC139479		10	<1	0.05	10	0.45	270	<1	0.01	11	710	8	0.01	<2	3	27
CC139480		10	1	0.04	10	0.26	585	1	0.01	12	1100	7	0.06	<2	<1	23

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

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

Finalized Date: 11-AUG-2011
Account: F

Project: Wolverine-Dade

CERTIFICATE OF ANALYSIS WH11126730

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
CC139456		<20	0.08	<10	<10	70	<10	50
CC139457		<20	0.05	<10	<10	56	<10	56
CC139458		<20	0.06	<10	<10	49	<10	42
CC139459		<20	0.07	<10	<10	66	<10	63
CC139460		<20	0.04	<10	<10	66	<10	55
CC139461		<20	0.06	<10	<10	65	<10	60
CC139462		<20	0.07	<10	<10	45	<10	44
CC139463		<20	0.06	<10	<10	47	<10	47
CC139464		<20	0.10	<10	<10	69	<10	71
CC139465		<20	0.06	<10	<10	60	<10	52
CC139466		<20	0.09	<10	<10	73	<10	58
CC139467		<20	0.02	<10	<10	144	<10	113
CC139468		<20	0.08	<10	<10	64	<10	55
CC139469		<20	0.07	<10	<10	57	<10	45
CC139470		<20	0.07	<10	<10	57	<10	64
CC139471		<20	0.04	<10	<10	45	<10	39
CC139472		<20	0.03	<10	<10	48	<10	42
CC139473		<20	0.06	<10	<10	51	<10	48
CC139474		<20	0.04	<10	<10	60	<10	47
CC139475		<20	0.06	<10	<10	50	<10	40
CC139476		<20	0.08	<10	<10	50	<10	37
CC139477		<20	0.08	<10	<10	56	<10	32
CC139478		<20	0.08	<10	<10	66	<10	50
CC139479		<20	0.06	<10	<10	59	<10	51
CC139480		<20	0.01	<10	<10	64	<10	46

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

Finalized Date: 31- JUL- 2011
Account: F

CERTIFICATE WH11122974

Project: Wolverine- DADE
P.O. No.:
This report is for 1 Soil sample submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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

Finalized Date: 31- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11122974

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC121032		0.27	0.021	0.7	0.50	47	<10	170	0.9	<2	3.22	<0.5	7	4	17	3.37

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Finalized Date: 31- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11122974

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC121032		<10	<1	0.08	10	0.11	886	2	0.01	2	1670	11	0.07	6	9	33

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Finalized Date: 31- JUL- 2011
Account: F

Project: Wolverine- DADE

CERTIFICATE OF ANALYSIS WH11122974

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC121032		<20	<0.01	<10	<10	54	<10	57

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2011
Account: F

CERTIFICATE WH11107720

Project: Wolverine - DADE
P.O. No.:
This report is for 48 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- JUN- 2011.
The following have access to data associated with this certificate:

JOAN MARIACHER	HEATHER SMITH	

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11107720

Sample Description	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC121001	0.24	0.006	<0.2	1.84	20	<10	170	0.6	<2	0.29	<0.5	11	24	20	3.51
CC121002	0.18	0.001	2.5	1.17	7	<10	220	<0.5	2	0.52	0.9	8	18	16	2.44
CC121003	0.32	0.002	3.1	1.41	22	<10	270	0.8	3	0.74	1.0	10	12	18	3.96
CC121004	0.34	0.001	2.1	1.21	13	<10	200	0.6	4	0.57	0.7	9	15	17	3.11
CC121005	0.24	0.002	0.4	0.87	8	<10	130	<0.5	3	0.32	<0.5	5	14	18	1.65
CC121006	0.32	<0.001	0.5	1.04	8	<10	130	<0.5	3	0.40	<0.5	7	15	14	2.18
CC121007	0.26	<0.001	2.3	1.07	12	<10	190	0.5	2	0.51	0.6	10	15	14	2.48
CC121008	0.30	0.001	1.4	1.12	17	<10	180	0.6	<2	0.56	<0.5	10	14	16	2.96
CC121009	0.26	<0.001	2.2	0.88	11	<10	140	<0.5	3	0.46	0.7	9	12	22	2.30
CC121010	0.44	0.018	<0.2	1.63	26	<10	150	0.5	<2	0.33	<0.5	8	20	18	3.01
CC121011	0.34	0.011	<0.2	2.23	21	<10	150	0.5	<2	0.31	<0.5	12	25	17	3.54
CC121012	0.34	<0.001	<0.2	0.97	9	<10	90	<0.5	<2	0.30	<0.5	5	16	9	1.77
CC121013	0.38	0.011	<0.2	1.40	16	<10	110	<0.5	<2	0.19	<0.5	6	21	14	3.24
CC121014	0.38	0.007	<0.2	1.22	8	<10	100	<0.5	<2	0.28	<0.5	6	19	12	2.05
CC121015	0.36	0.001	<0.2	1.25	11	<10	300	0.9	<2	0.50	<0.5	13	24	16	4.07
CC121016	0.32	0.001	<0.2	1.28	23	<10	90	0.5	<2	0.24	<0.5	10	16	16	4.18
CC121017	0.38	0.001	<0.2	1.56	10	<10	200	<0.5	<2	0.35	<0.5	8	23	17	2.66
CC121018	0.36	0.002	<0.2	1.54	21	<10	460	0.8	<2	0.57	<0.5	11	42	22	3.33
CC121019	0.40	0.002	<0.2	0.79	16	<10	470	0.5	<2	0.46	<0.5	6	12	10	2.69
CC121020	0.36	<0.001	<0.2	0.93	5	<10	210	<0.5	<2	0.37	<0.5	5	17	8	1.71
CC121021	0.36	0.005	<0.2	1.68	22	<10	190	0.6	<2	0.67	<0.5	9	46	22	3.67
CC121022	0.24	0.005	<0.2	1.53	21	<10	160	<0.5	<2	0.27	<0.5	7	23	17	2.96
CC121023	0.26	0.012	<0.2	2.52	64	<10	180	0.8	<2	0.29	<0.5	11	22	22	4.70
CC121024	0.26	<0.001	<0.2	1.91	21	<10	190	<0.5	<2	0.22	<0.5	9	26	16	2.96
CC121025	0.26	0.001	<0.2	1.57	15	<10	210	<0.5	<2	0.20	<0.5	6	24	17	3.12
CC121026	0.34	0.003	<0.2	1.21	85	<10	210	0.5	<2	0.46	<0.5	9	21	16	3.95
CC121027	0.22	0.002	<0.2	1.37	9	<10	450	0.5	<2	0.31	<0.5	5	21	15	2.18
CC121028	0.32	0.001	<0.2	1.05	6	<10	410	<0.5	<2	0.28	<0.5	7	24	11	2.13
CC121029	0.50	0.018	<0.2	1.39	27	<10	180	0.5	<2	0.41	<0.5	8	23	17	2.68
CC121030	0.30	0.020	4.6	1.15	85	<10	310	0.7	<2	0.76	1.6	11	13	30	4.40
CC121031	0.28	0.013	<0.2	1.16	46	<10	210	0.6	<2	0.59	<0.5	10	19	23	3.52
CC121032	Not Recvd														
CC121033	0.30	0.016	<0.2	1.02	34	<10	250	1.1	<2	0.54	<0.5	7	13	21	3.61
CC121034	0.32	0.008	0.4	0.52	19	<10	270	1.1	2	4.55	<0.5	7	6	25	3.55
CC121035	0.48	0.023	0.2	0.94	57	<10	420	0.9	<2	1.12	<0.5	9	13	23	4.28
CC121036	0.26	0.014	0.5	0.80	48	<10	230	0.8	3	0.65	<0.5	8	19	19	3.28
CC121037	0.30	0.020	<0.2	0.86	34	<10	220	0.9	<2	0.56	<0.5	9	18	18	4.14
CC121038	0.20	0.021	2.0	0.94	50	<10	270	1.0	<2	0.86	0.7	10	17	23	3.91
CC121051	0.16	0.054	16.0	0.88	145	<10	280	1.0	<2	0.90	5.0	10	9	55	4.30
CC121052	0.18	0.013	9.9	1.13	87	<10	190	0.8	<2	0.68	3.2	10	14	31	3.63

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

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11107720

Sample Description	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC121001	<10	1	0.07	10	0.44	571	1	0.01	14	510	8	0.01	<2	5	19
CC121002	<10	<1	0.07	10	0.46	454	<1	0.02	11	850	4	0.03	<2	4	29
CC121003	10	1	0.11	20	0.56	972	1	0.03	9	1800	7	0.02	<2	9	27
CC121004	<10	1	0.10	10	0.51	641	<1	0.03	10	1110	8	0.02	<2	6	25
CC121005	<10	1	0.05	10	0.28	206	<1	0.03	7	500	4	0.02	<2	2	21
CC121006	<10	<1	0.08	10	0.41	377	<1	0.02	11	830	3	0.02	<2	4	20
CC121007	<10	<1	0.09	20	0.40	476	<1	0.03	9	1030	4	0.02	<2	6	23
CC121008	<10	1	0.09	10	0.46	701	1	0.03	9	1270	5	0.02	<2	6	23
CC121009	<10	1	0.07	10	0.27	528	1	0.05	8	910	4	0.02	<2	3	24
CC121010	<10	<1	0.07	10	0.42	376	1	0.02	13	580	3	<0.01	<2	5	20
CC121011	10	<1	0.08	10	0.54	388	<1	0.02	15	500	4	<0.01	2	6	21
CC121012	<10	<1	0.06	10	0.35	197	<1	0.01	10	470	<2	<0.01	<2	2	17
CC121013	10	<1	0.06	10	0.31	334	1	0.02	9	340	5	<0.01	<2	4	17
CC121014	<10	<1	0.07	10	0.38	254	<1	0.02	13	490	<2	<0.01	<2	3	17
CC121015	<10	<1	0.11	20	0.26	1015	1	0.02	14	1530	7	<0.01	<2	6	28
CC121016	10	<1	0.08	10	0.28	504	2	0.01	8	640	5	<0.01	4	5	15
CC121017	<10	<1	0.07	10	0.41	353	<1	0.02	17	430	<2	<0.01	<2	4	23
CC121018	<10	<1	0.07	10	0.50	517	<1	0.01	40	760	8	<0.01	2	9	29
CC121019	<10	<1	0.07	10	0.19	508	<1	0.01	9	520	5	<0.01	<2	3	25
CC121020	<10	<1	0.06	10	0.31	256	<1	0.01	8	300	7	<0.01	<2	2	20
CC121021	10	<1	0.21	10	0.72	459	1	0.02	21	990	10	<0.01	<2	9	41
CC121022	10	<1	0.08	10	0.41	303	1	0.01	12	430	6	<0.01	<2	4	19
CC121023	10	<1	0.09	10	0.48	643	1	0.01	10	720	8	<0.01	<2	8	19
CC121024	10	<1	0.11	10	0.48	303	<1	0.01	15	320	9	<0.01	<2	4	18
CC121025	10	<1	0.07	10	0.39	310	<1	0.01	12	370	7	<0.01	<2	3	19
CC121026	10	<1	0.07	10	0.22	363	1	0.02	10	1030	9	0.01	2	6	23
CC121027	<10	<1	0.06	10	0.32	279	<1	0.01	11	320	6	<0.01	<2	4	22
CC121028	<10	<1	0.07	10	0.33	279	<1	0.01	18	280	7	<0.01	<2	3	18
CC121029	<10	<1	0.09	10	0.44	411	<1	0.01	15	770	6	<0.01	<2	5	22
CC121030	10	<1	0.08	20	0.51	1420	4	0.03	7	1570	7	0.01	<2	11	28
CC121031	<10	<1	0.08	10	0.37	716	1	0.02	11	1230	7	0.02	<2	8	24
CC121032															
CC121033	<10	<1	0.09	10	0.25	611	1	0.01	9	1040	13	<0.01	4	8	21
CC121034	<10	<1	0.12	10	0.22	1010	2	0.01	6	1540	12	0.07	9	7	50
CC121035	<10	<1	0.09	10	0.33	739	2	0.02	8	1560	10	0.02	2	10	34
CC121036	<10	<1	0.07	10	0.17	687	1	0.01	11	1180	8	0.02	<2	7	27
CC121037	<10	<1	0.13	20	0.29	694	1	0.01	12	1340	7	<0.01	<2	11	20
CC121038	<10	<1	0.09	20	0.23	862	1	0.01	12	1550	10	0.02	3	9	29
CC121051	<10	<1	0.10	20	0.16	1140	1	0.02	8	2170	8	0.01	6	10	28
CC121052	<10	<1	0.11	10	0.35	672	<1	0.03	11	1550	5	0.01	2	9	26

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

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11107720

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC121001		<20	0.04	<10	<10	66	<10	62
CC121002		<20	0.05	<10	<10	53	<10	45
CC121003		<20	0.03	<10	<10	76	10	77
CC121004		<20	0.05	<10	<10	64	<10	60
CC121005		<20	0.05	<10	<10	43	10	30
CC121006		<20	0.05	<10	<10	46	10	40
CC121007		<20	0.05	<10	<10	53	20	46
CC121008		<20	0.04	<10	<10	59	10	56
CC121009		<20	0.04	<10	<10	43	10	31
CC121010		<20	0.05	<10	<10	58	<10	48
CC121011		<20	0.08	<10	<10	71	<10	59
CC121012		<20	0.06	<10	<10	38	<10	35
CC121013		<20	0.10	<10	<10	85	<10	39
CC121014		<20	0.06	<10	<10	43	<10	33
CC121015		<20	0.03	<10	<10	53	<10	70
CC121016		<20	0.03	<10	<10	79	<10	76
CC121017		<20	0.05	<10	<10	53	<10	47
CC121018		<20	0.02	<10	<10	62	<10	50
CC121019		<20	0.02	<10	<10	34	<10	52
CC121020		<20	0.05	<10	<10	39	<10	33
CC121021		<20	0.10	<10	<10	82	<10	115
CC121022		<20	0.07	<10	<10	75	<10	52
CC121023		<20	0.03	<10	<10	84	<10	68
CC121024		<20	0.06	<10	<10	62	<10	52
CC121025		<20	0.08	<10	<10	65	<10	42
CC121026		<20	0.03	<10	<10	75	<10	66
CC121027		<20	0.04	<10	<10	49	<10	33
CC121028		<20	0.05	<10	<10	45	<10	32
CC121029		<20	0.06	<10	<10	54	<10	47
CC121030		<20	0.02	<10	<10	80	10	67
CC121031		<20	0.04	<10	<10	63	10	58
CC121032								
CC121033		<20	0.01	<10	<10	45	<10	65
CC121034		<20	<0.01	<10	<10	30	<10	62
CC121035		<20	0.02	<10	<10	68	<10	75
CC121036		<20	0.01	<10	<10	54	<10	62
CC121037		<20	0.03	<10	<10	73	<10	86
CC121038		<20	0.01	<10	<10	61	<10	69
CC121051		<20	0.01	<10	<10	75	10	58
CC121052		<20	0.03	<10	<10	68	10	57

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VANCOUVER BC V6B 1L8

Finalized Date: 3- JUL- 2011
Account: F

Project: Wolverine - DADE

CERTIFICATE OF ANALYSIS WH11107720

Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC121053		0.16	0.030	2.2	1.25	178	<10	210	0.8	3	0.83	0.9	12	13	33	4.32
CC121054		0.10	0.047	1.2	1.33	103	<10	180	0.7	<2	0.78	0.6	13	11	35	4.52
CC121055		0.16	0.063	2.1	1.63	134	<10	170	0.8	<2	1.02	0.8	15	17	46	5.65
CC121056		0.22	0.135	1.3	1.05	250	<10	130	0.8	4	0.82	0.5	12	9	53	4.59
CC121057		0.18	0.202	0.8	1.19	248	<10	170	0.8	3	0.76	<0.5	12	11	42	4.43
CC121058		0.12	0.147	1.8	1.18	184	<10	130	0.7	5	0.78	<0.5	14	11	39	4.17
CC121059		0.22	0.062	0.5	1.24	105	<10	130	0.6	<2	0.72	<0.5	10	11	26	3.63
CC121060		0.26	0.038	<0.2	1.67	244	<10	250	0.9	<2	0.52	<0.5	17	18	34	7.35

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CERTIFICATE OF ANALYSIS WH11107720

Sample Description	Method / Analyte / Units / LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC121053		<10	<1	0.13	10	0.50	849	<1	0.04	9	2010	4	<0.01	<2	10	25
CC121054		10	<1	0.11	10	0.57	986	1	0.05	7	2010	5	0.01	<2	9	26
CC121055		10	<1	0.19	20	0.80	1160	1	0.05	10	2650	6	0.02	<2	13	32
CC121056		<10	<1	0.12	20	0.40	777	3	0.04	6	2060	7	0.04	7	11	26
CC121057		10	<1	0.11	20	0.40	863	1	0.04	7	1730	10	0.01	2	10	26
CC121058		10	<1	0.09	20	0.42	852	2	0.03	7	1950	20	0.02	<2	9	25
CC121059		10	<1	0.09	20	0.44	779	1	0.05	8	1770	6	0.01	2	7	25
CC121060		10	<1	0.10	10	0.30	1150	3	0.02	7	1310	10	0.01	<2	12	23

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Finalized Date: 3- JUL- 2011
Account: F

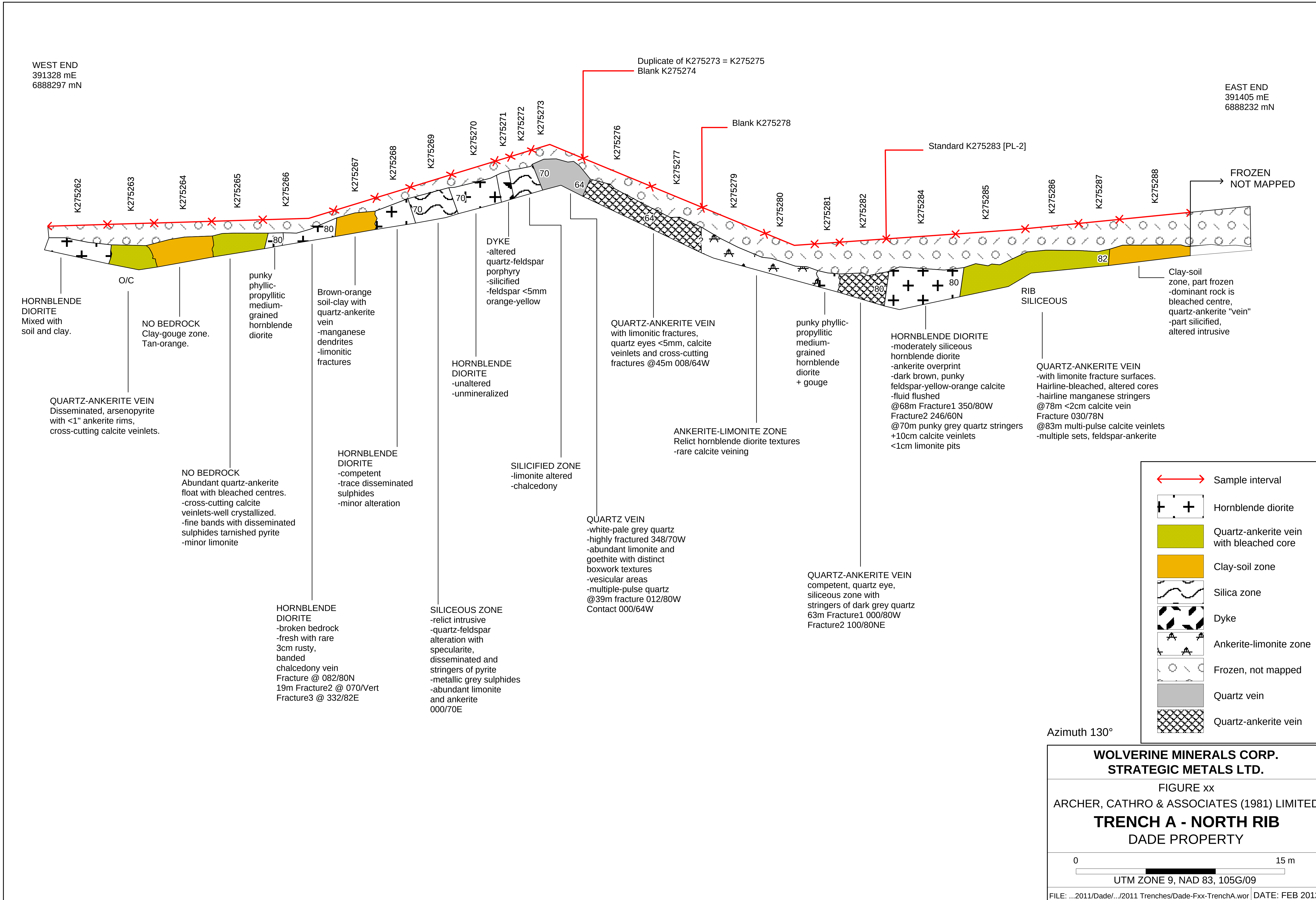
Project: Wolverine - DADE

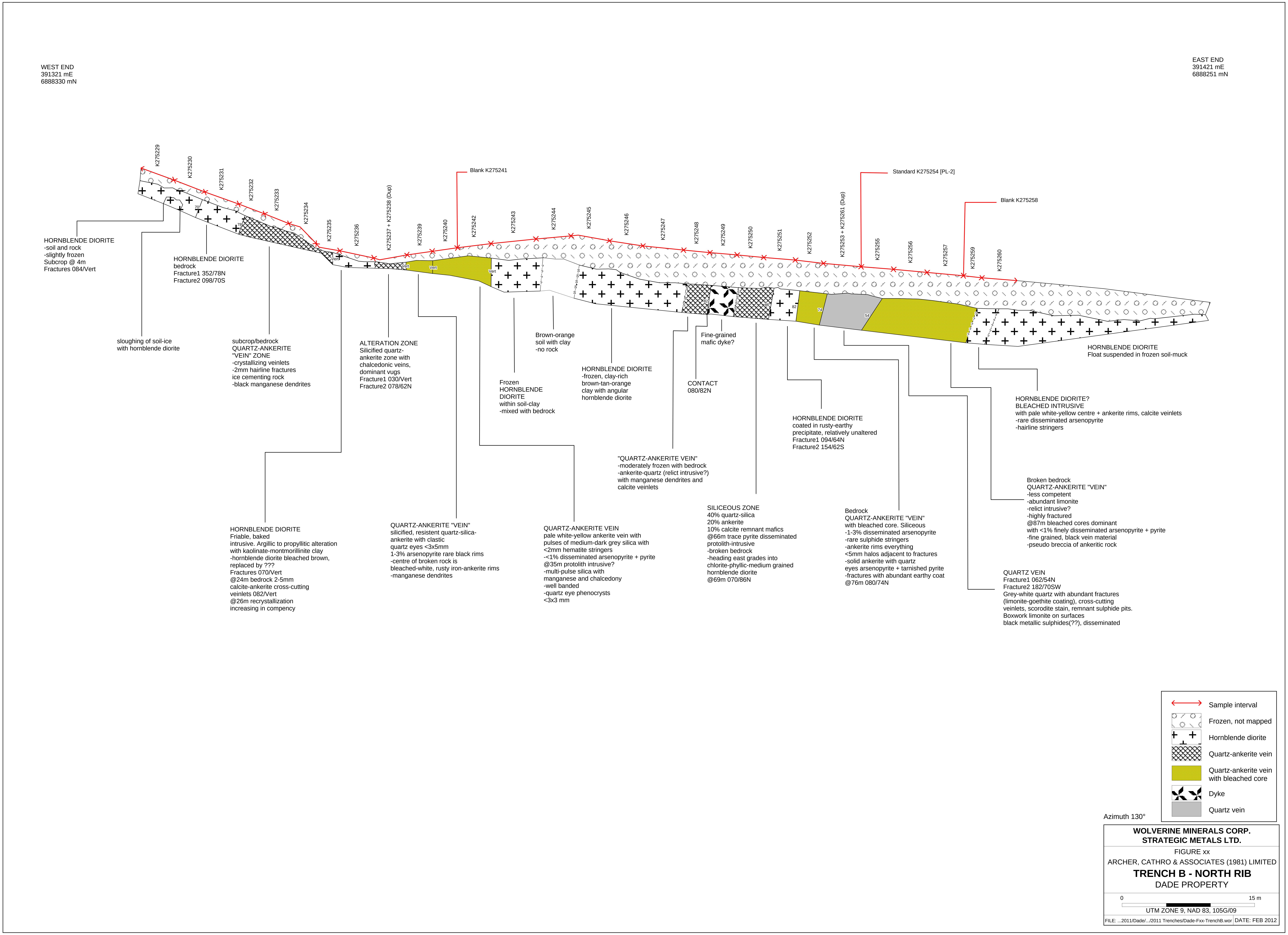
CERTIFICATE OF ANALYSIS WH11107720

Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
CC121053		<20	0.05	<10	<10	87	10	67
CC121054		<20	0.04	<10	<10	93	10	60
CC121055		<20	0.08	<10	<10	112	10	85
CC121056		<20	0.03	<10	<10	84	20	52
CC121057		<20	0.03	<10	<10	79	10	67
CC121058		<20	0.03	<10	<10	78	20	62
CC121059		<20	0.04	<10	<10	72	10	54
CC121060		<20	0.02	<10	<10	127	<10	112

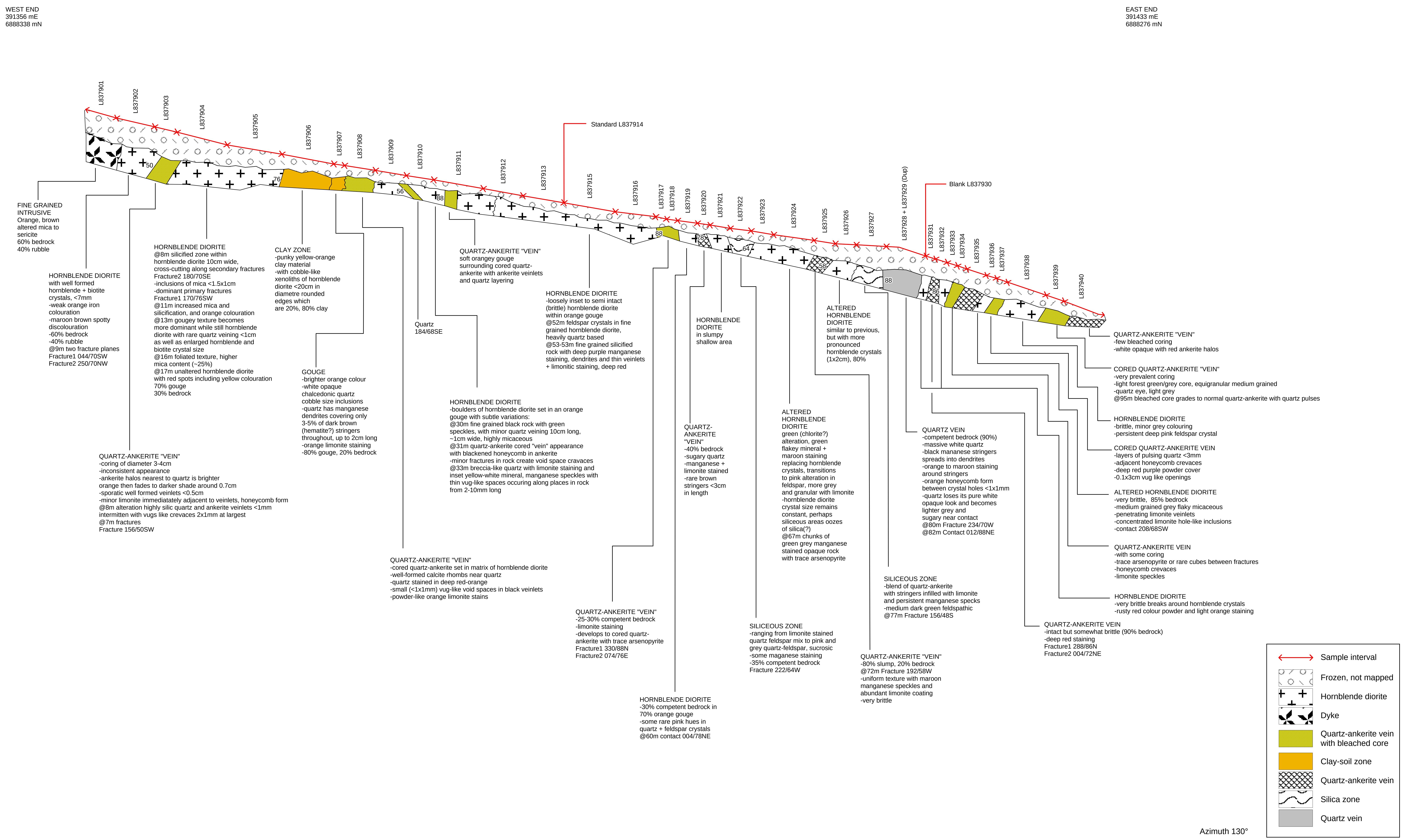
APPENDIX IV

TRENCH MAPS


WEST END
391328 mE
6888297 mN
EAST END
391405 mE
6888232 mN
Duplicate of K275273 = K275275
Blank K275274
Blank K275278
Standard K275283 [PL-2]
FROZEN
NOT MAPPED
K275262
K275263
K275264
K275265
K275266
K275267
K275268
K275269
K275270
K275271
K275272
K275273
K275276
K275277
K275279
K275280
K275281
K275282
K275284
K275285
K275286
K275287
K275288
80
80
70
70
70
64
64
80
80
82
O/C
HORNBLENDE DIORITE
Mixed with
soil and clay.
QUARTZ-ANKERITE VEIN
Disseminated, arsenopyrite
with <1" ankerite rims,
cross-cutting calcite veinlets.
NO BEDROCK
Clay-gouge zone.
Tan-orange.
NO BEDROCK
Abundant quartz-ankerite
float with bleached centres.
-cross-cutting calcite
veinlets-well crystallized.
-fine bands with disseminated
sulphides tarnished pyrite
-minor limonite
punky
phyllic-
propyllitic
medium-
grained
hornblende
diorite
HORNBLENDE
DIORITE
-broken bedrock
-fresh with rare
3cm rusty,
banded
chalcedony vein
Fracture @ 082/80N
19m Fracture2 @ 070/Vert
Fracture3 @ 332/82E
Brown-orange
soil-clay with
quartz-ankerite
vein
-manganese
dendrites
-limonitic
fractures
HORNBLENDE
DIORITE
-competent
-trace disseminated
sulphides
-minor alteration
SILICEOUS ZONE
-relict intrusive
-quartz-feldspar
alteration with
specularite,
disseminated and
stringers of pyrite
-metallic grey sulphides
-abundant limonite
and ankerite
000/70E
HORNBLENDE
DIORITE
-unaltered
-unmineralized
DYKE
-altered
quartz-feldspar
porphyry
-silicified
-feldspar <5mm
orange-yellow
SILICIFIED ZONE
-limonite altered
-chalcedony
QUARTZ VEIN
-white-pale grey quartz
-highly fractured 348/70W
-abundant limonite and
goethite with distinct
boxwork textures
-vesicular areas
-multiple-pulse quartz
@39m fracture 012/80W
Contact 000/64W
QUARTZ-ANKERITE VEIN
with limonitic fractures,
quartz eyes <5mm, calcite
veinlets and cross-cutting
fractures @45m 008/64W
ANKERITE-LIMONITE ZONE
Relict hornblende diorite textures
-rare calcite veining
punky phyllic-
propyllitic
medium-
grained
hornblende
diorite
+ gouge
QUARTZ-ANKERITE VEIN
competent, quartz eye,
siliceous zone with
stringers of dark grey quartz
63m Fracture1 000/80W
Fracture2 100/80NE
HORNBLENDE DIORITE
-moderately siliceous
hornblende diorite
-ankerite overprint
-dark brown, punky
feldspar-yellow-orange calcite
-fluid flushed
@68m Fracture1 350/80W
Fracture2 246/60N
@70m punky grey quartz stringers
+10cm calcite veinlets
<1cm limonite pits
RIB
SILICEOUS
QUARTZ-ANKERITE VEIN
-with limonite fracture surfaces.
Hairline-bleached, altered cores
-hairline manganese stringers
@78m <2cm calcite vein
Fracture 030/78N
@83m multi-pulse calcite veinlets
-multiple sets, feldspar-ankerite
Clay-soil
zone, part frozen
-dominant rock is
bleached centre,
quartz-ankerite "vein"
-part silicified,
altered intrusive
Sample interval
Hornblende diorite
Quartz-ankerite vein
with bleached core
Clay-soil zone
Silica zone
Dyke
Ankerite-limonite zone
Frozen, not mapped
Quartz vein
Quartz-ankerite vein
Azimuth 130°
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE xx
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH A - NORTH RIB
DADE PROPERTY
0
15 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchA.wor
DATE: FEB 2012



WEST END
391321 mE
6888330 mN
EAST END
391421 mE
6888251 mN
K275229
K275230
K275231
K275232
K275233
K275234
K275235
K275236
K275237 + K275238 (Dup)
K275239
K275240
Blank K275241
K275242
K275243
K275244
K275245
K275246
K275247
K275248
K275249
K275250
K275251
K275252
K275253 + K275261 (Dup)
Standard K275254 [PL-2]
K275255
K275256
K275257
Blank K275258
K275259
K275260
HORNBLENDE DIORITE
-soil and rock
-slightly frozen
Subcrop @ 4m
Fractures 084/Vert
sloughing of soil-ice
with hornblende diorite
HORNBLENDE DIORITE
bedrock
Fracture1 352/78N
Fracture2 098/70S
subcrop/bedrock
QUARTZ-ANKERITE
"VEIN" ZONE
-crystallizing veinlets
-2mm hairline fractures
ice cementing rock
-black manganese dendrites
ALTERATION ZONE
Silicified quartz-
ankerite zone with
chalcedonic veins,
dominant vugs
Fracture1 030/Vert
Fracture2 078/62N
Frozen
HORNBLENDE
DIORITE
within soil-clay
-mixed with bedrock
Brown-orange
soil with clay
-no rock
HORNBLENDE DIORITE
-frozen, clay-rich
brown-tan-orange
clay with angular
hornblende diorite
CONTACT
080/82N
Fine-grained
mafic dyke?
HORNBLENDE DIORITE
coated in rusty-earthy
precipitate, relatively unaltered
Fracture1 094/64N
Fracture2 154/62S
HORNBLENDE DIORITE
Float suspended in frozen soil-muck
HORNBLENDE DIORITE?
BLEACHED INTRUSIVE
with pale white-yellow centre + ankerite rims, calcite veinlets
-rare disseminated arsenopyrite
-hairline stringers
"QUARTZ-ANKERITE VEIN"
-moderately frozen with bedrock
-ankerite-quartz (relict intrusive?)
with manganese dendrites and
calcite veinlets
Broken bedrock
QUARTZ-ANKERITE "VEIN"
-less competent
-abundant limonite
-relict intrusive?
-highly fractured
@87m bleached cores dominant
with <1% finely disseminated arsenopyrite + pyrite
-fine grained, black vein material
-pseudo breccia of ankeritic rock
HORNBLENDE DIORITE
Friable, baked
intrusive. Argillic to propyllitic alteration
with kaolinate-montmorillinite clay
-hornblende diorite bleached brown,
replaced by ???
Fractures 070/Vert
@24m bedrock 2-5mm
calcite-ankerite cross-cutting
veinlets 082/Vert
@26m recrystallization
increasing in compency
QUARTZ-ANKERITE "VEIN"
silicified, resistent quartz-silica-
ankerite with clastic
quartz eyes <3x5mm
1-3% arsenopyrite rare black rims
-centre of broken rock is
bleached-white, rusty iron-ankerite rims
-manganese dendrites
QUARTZ-ANKERITE VEIN
pale white-yellow ankerite vein with
pulses of medium-dark grey silica with
<2mm hematite stringers
-<1% disseminated arsenopyrite + pyrite
@35m protolith intrusive?
-multi-pulse silica with
manganese and chalcedony
-well banded
-quartz eye phenocrysts
<3x3 mm
SILICEOUS ZONE
40% quartz-silica
20% ankerite
10% calcite remnant mafics
@66m trace pyrite disseminated
protolith-intrusive
-broken bedrock
-heading east grades into
chlorite-phyllic-medium grained
hornblende diorite
@69m 070/86N
Bedrock
QUARTZ-ANKERITE "VEIN"
with bleached core. Siliceous
-1-3% disseminated arsenopyrite
-rare sulphide stringers
-ankerite rims everything
<5mm halos adjacent to fractures
-solid ankerite with quartz
eyes arsenopyrite + tarnished pyrite
-fractures with abundant earthy coat
@76m 080/74N
QUARTZ VEIN
Fracture1 062/54N
Fracture2 182/70SW
Grey-white quartz with abundant fractures
(limonite-goethite coating), cross-cutting
veinlets, scorodite stain, remnant sulphide pits.
Boxwork limonite on surfaces
black metallic sulphides(??), disseminated
Sample interval
Frozen, not mapped
Hornblende diorite
Quartz-ankerite vein
Quartz-ankerite vein
with bleached core
Dyke
Quartz vein
Azimuth 130°
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE xx
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH B - NORTH RIB
DADE PROPERTY
0
15 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchB.wor
DATE: FEB 2012



WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

FIGURE xx

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

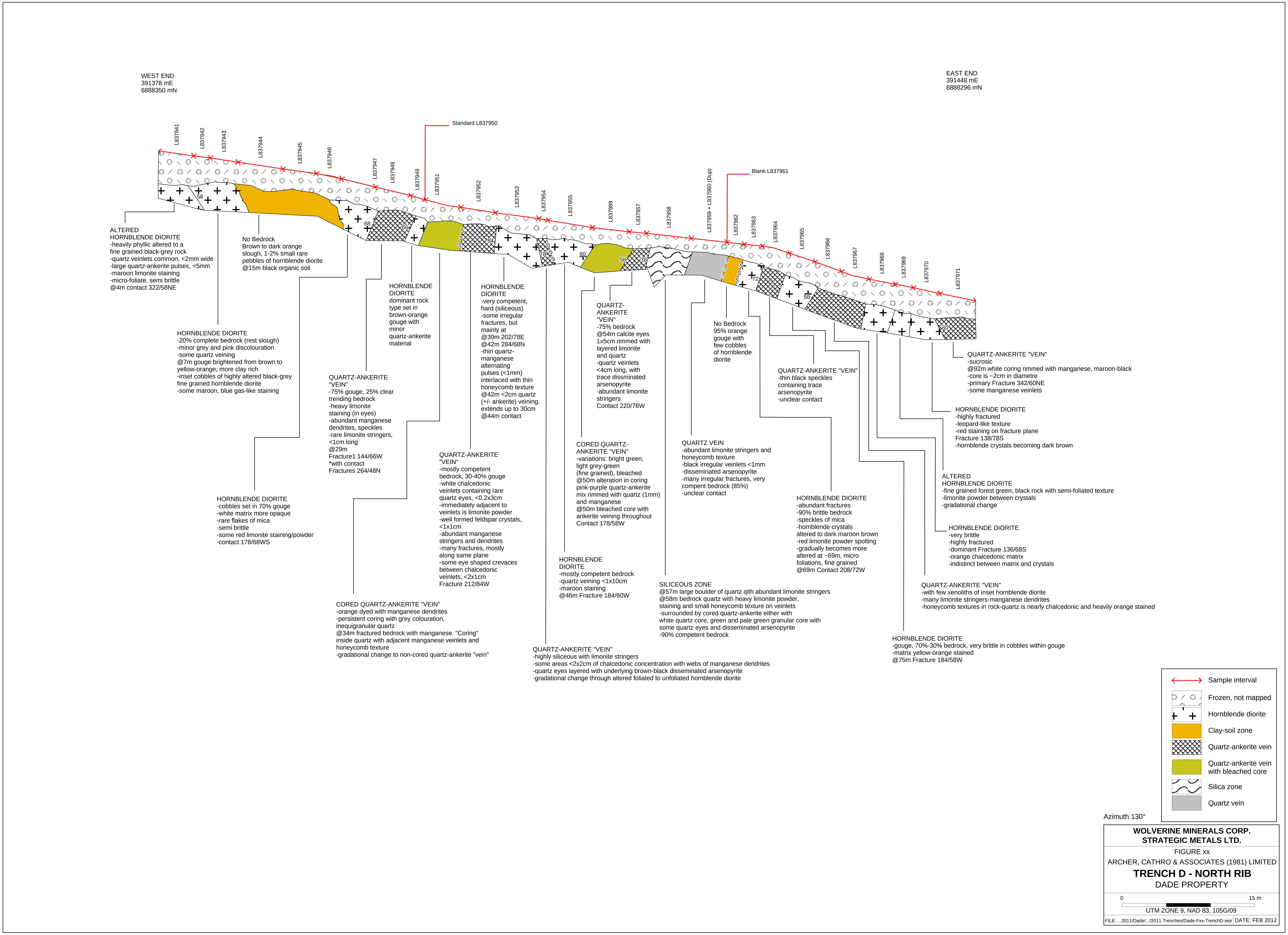
TRENCH C - NORTH RIB

DADE PROPERTY

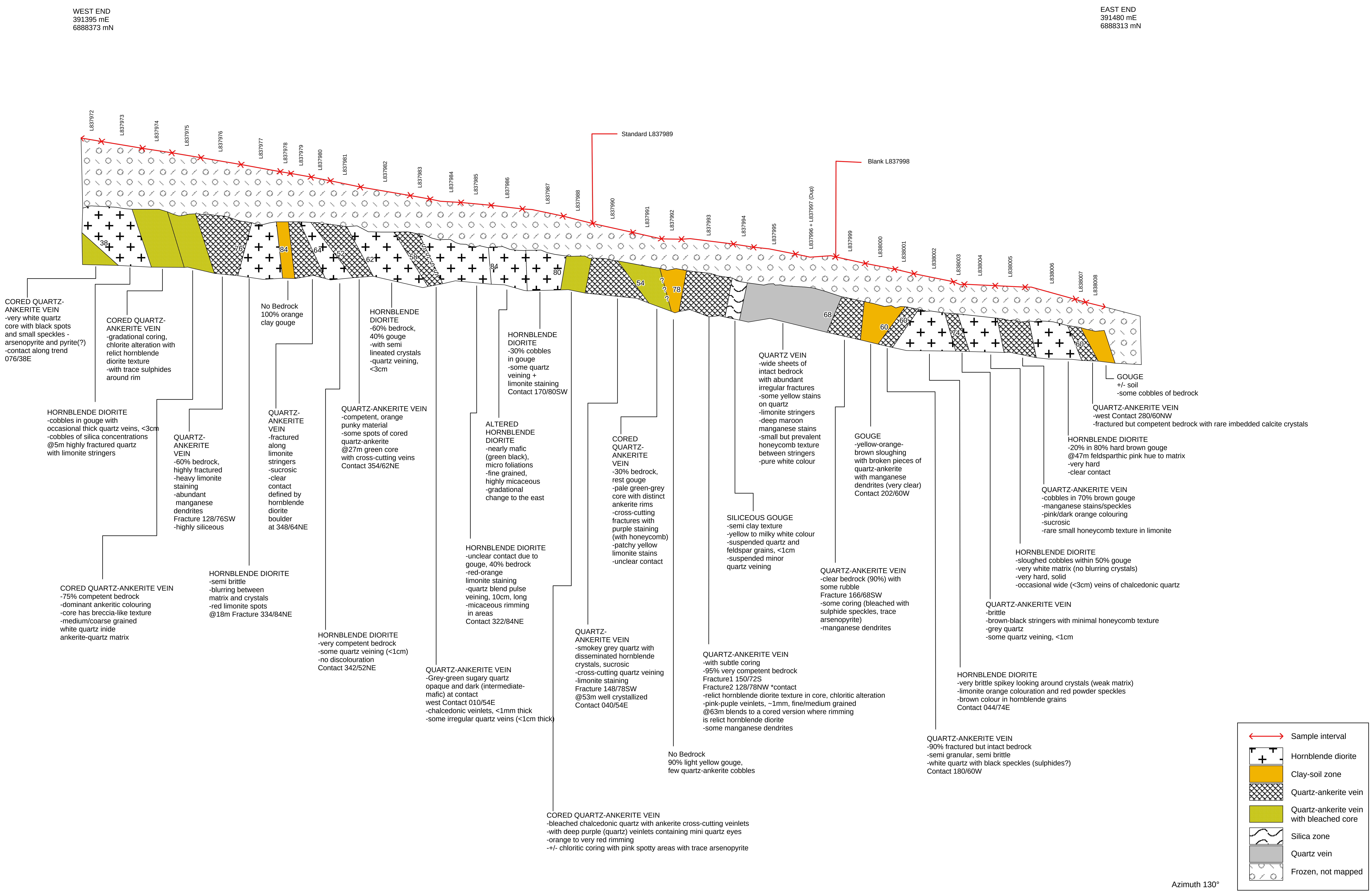
0 15 m

UTM ZONE 9, NAD 83, 105G/09

FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchC.wor | DATE: FEB 2012



WEST END
391378 mE
6888350 mN
EAST END
391448 mE
6888296 mN
L837941
L837942
L837943
L837944
L837945
L837946
L837947
L837948
L837949
Standard L837950
L837951
L837952
L837953
L837954
L837955
L837989
L837957
L837958
L837959 + L837960 (Dup)
Blank L837961
L837962
L837963
L837964
L837965
L837966
L837967
L837968
L837969
L837970
L837971
ALTERED
HORNBLENDE DIORITE
-heavily phyllic altered to a
fine grained black-grey rock
-quartz veinlets common, <2mm wide
-large quartz-ankerite pulses, <5mm
-maroon limonite staining
-micro-foliate, semi brittle
@4m contact 322/58NE
No Bedrock
Brown to dark orange
slough, 1-2% small rare
pebbles of hornblende diorite
@15m black organic soil
HORNBLENDE DIORITE
-20% complete bedrock (rest slough)
-minor grey and pink discolouration
-some quartz veining
@7m gouge brightened from brown to
yellow-orange, more clay rich
-inset cobbles of highly altered black-grey
fine grained hornblende diorite
-some maroon, blue gas-like staining
HORNBLENDE DIORITE
-cobbles set in 70% gouge
-white matrix more opaque
-rare flakes of mica
-semi brittle
-some red limonite staining/powder
-contact 178/68WS
HORNBLENDE
DIORITE
dominant rock
type set in
brown-orange
gouge with
minor
quartz-ankerite
material
QUARTZ-ANKERITE
"VEIN"
-75% gouge, 25% clear
trending bedrock
-heavy limonite
staining (in eyes)
-abundant manganese
dendrites, speckles
-rare limonite stringers,
<1cm long
@29m
Fracture1 144/66W
*with contact
Fractures 264/48N
CORED QUARTZ-ANKERITE "VEIN"
-orange dyed with manganese dendrites
-persistent coring with grey colouration,
inequigranular quartz
@34m fractured bedrock with manganese. "Coring"
inside quartz with adjacent manganese veinlets and
honeycomb texture
-gradational change to non-cored quartz-ankerite "vein"
HORNBLENDE
DIORITE
-very competent,
hard (siliceous)
-some irregular
fractures, but
mainly at
@39m 202/78E
@42m 284/68N
-thin quartz-
manganese
alternating
pulses (<1mm)
interlaced with thin
honeycomb texture
@42m <2cm quartz
(+/- ankerite) veining,
extends up to 30cm
@44m contact
QUARTZ-ANKERITE
"VEIN"
-mostly competent
bedrock, 30-40% gouge
-white chalcedonic
veinlets containing rare
quartz eyes, <0.2x3cm
-immediately adjacent to
veinlets is limonite powder
-well formed feldspar crystals,
<1x1cm
-abundant manganese
stringers and dendrites
-many fractures, mostly
along same plane
-some eye shaped crevaces
between chalcedonic
veinlets, <2x1cm
Fracture 212/84W
QUARTZ-ANKERITE "VEIN"
-highly siliceous with limonite stringers
-some areas <2x2cm of chalcedonic concentration with webs of manganese dendrites
-quartz eyes layered with underlying brown-black disseminated arsenopyrite
-gradational change through altered foliated to unfoliated hornblende diorite
HORNBLENDE
DIORITE
-mostly competent bedrock
-quartz veining <1x10cm
-maroon staining
@46m Fracture 184/60W
QUARTZ-
ANKERITE
"VEIN"
-75% bedrock
@54m calcite eyes
1x5cm rimmed with
layered limonite
and quartz
-quartz veinlets
<4cm long, with
trace dissminated
arsenopyrite
-abundant limonite
stringers
Contact 220/76W
CORED QUARTZ-
ANKERITE "VEIN"
-variations: bright green,
light grey-green
(fine grained), bleached
@50m alteration in coring
pink-purple quartz-ankerite
mix rimmed with quartz (1mm)
and manganese
@50m bleached core with
ankerite veining throughout
Contact 178/58W
SILICEOUS ZONE
@57m large boulder of quartz qith abundant limonite stringers
@58m bedrock quartz with heavy limonite powder,
staining and small honeycomb texture on veinlets
-surrounded by cored quartz-ankerite either with
white quartz core, green and pale green granular core with
some quartz eyes and disseminated arsenopyrite
-90% competent bedrock
QUARTZ VEIN
-abundant limonite stringers and
honeycomb texture
-black irregular veinlets <1mm
-disseminated arsenopyrite
-many irregular fractures, very
compent bedrock (85%)
-unclear contact
No Bedrock
95% orange
gouge with
few cobbles
of hornblende
diorite
QUARTZ-ANKERITE "VEIN"
-thin black speckles
containing trace
arsenopyrite
-unclear contact
HORNBLENDE DIORITE
-abundant fractures
-90% brittle bedrock
-speckles of mica
-hornblende crystals
altered to dark maroon brown
-red limonite powder spolting
-gradually becomes more
altered at ~69m, micro
foliations, fine grained
@69m Contact 208/72W
HORNBLENDE DIORITE
-gouge, 70%-30% bedrock, very brittle in cobbles within gouge
-matrix yellow-orange stained
@75m Fracture 184/58W
QUARTZ-ANKERITE "VEIN"
-with few xenoliths of inset hornblende diorite
-many limonite stringers-manganese dendrites
-honeycomb textures in rock-quartz is nearly chalcedonic and heavily orange stained
HORNBLENDE DIORITE
-very brittle
-highly fractured
-dominant Fracture 136/68S
-orange chalcedonic matrix
-indistinct between matrix and crystals
ALTERED
HORNBLENDE DIORITE
-fine grained forest green, black rock with semi-foliated texture
-limonite powder between crystals
-gradational change
HORNBLENDE DIORITE
-highly fractured
-leopard-like texture
-red staining on fracture plane
Fracture 138/78S
-hornblende crystals becoming dark brown
QUARTZ-ANKERITE "VEIN"
-sucrosic
@92m white coring rimmed with manganese, maroon-black
-core is ~2cm in diametre
-primary Fracture 342/60NE
-some manganese veinlets
58
68
69
78
60
58
72
58
Sample interval
Frozen, not mapped
Hornblende diorite
Clay-soil zone
Quartz-ankerite vein
Quartz-ankerite vein
with bleached core
Silica zone
Quartz vein
Azimuth 130°
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE xx
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH D - NORTH RIB
DADE PROPERTY
0
15 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchD.wor
DATE: FEB 2012



WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.

FIGURE xx

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH E - NORTH RIB

DADE PROPERTY

UTM ZONE 9, NAD 83, 105G/09

FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchE.wor | DATE: FEB 2012

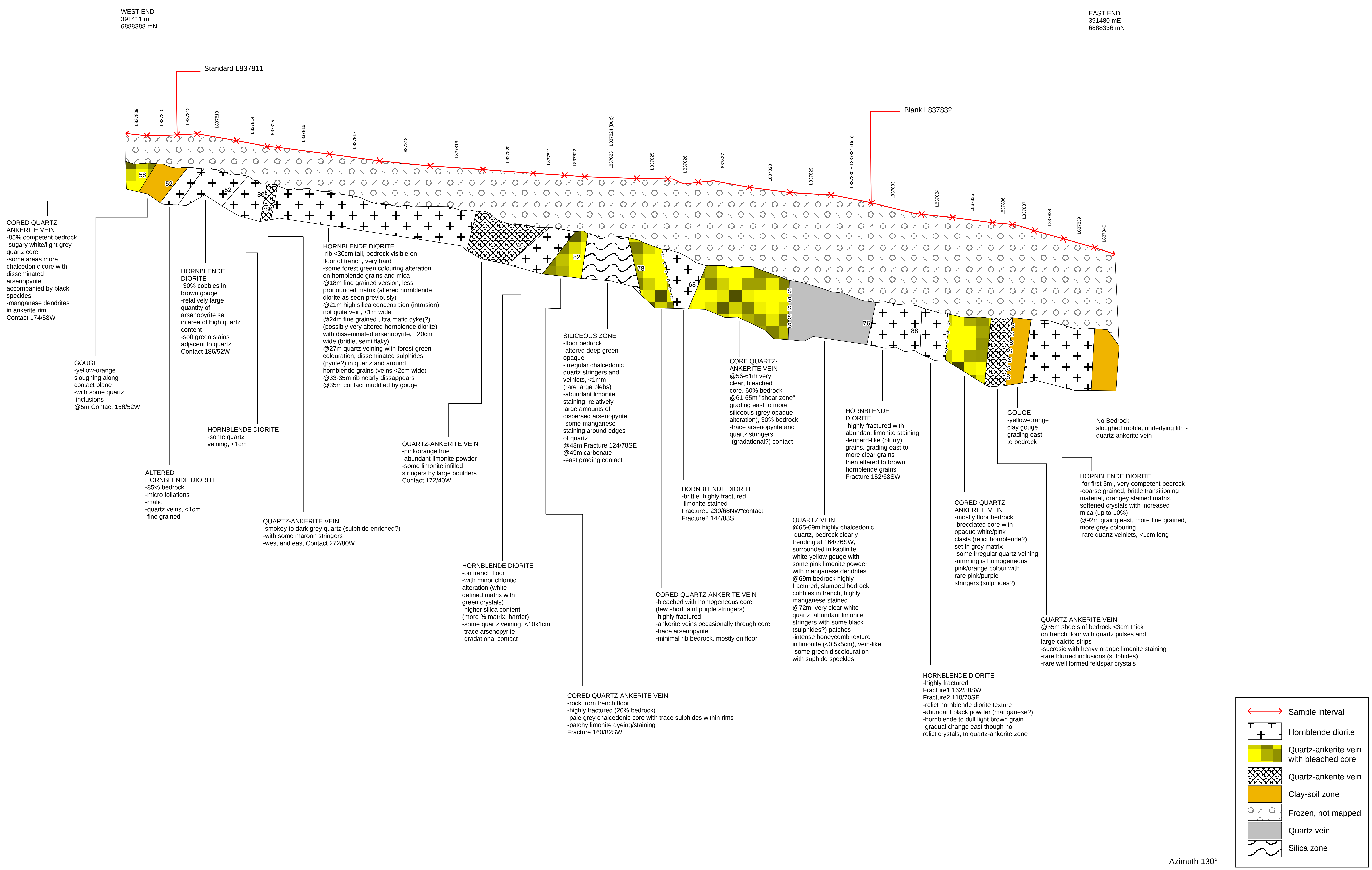


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FIGURE xx

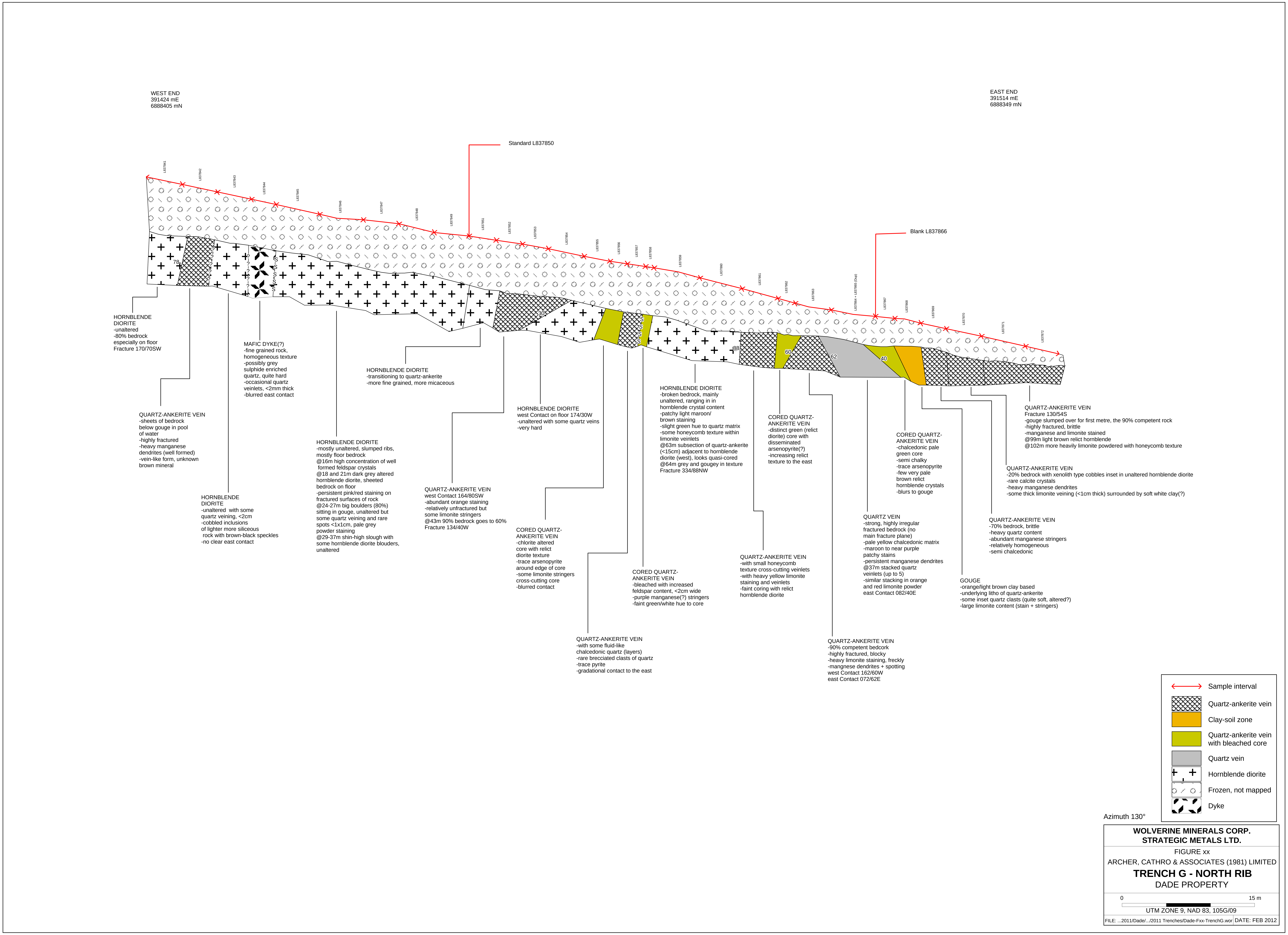
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

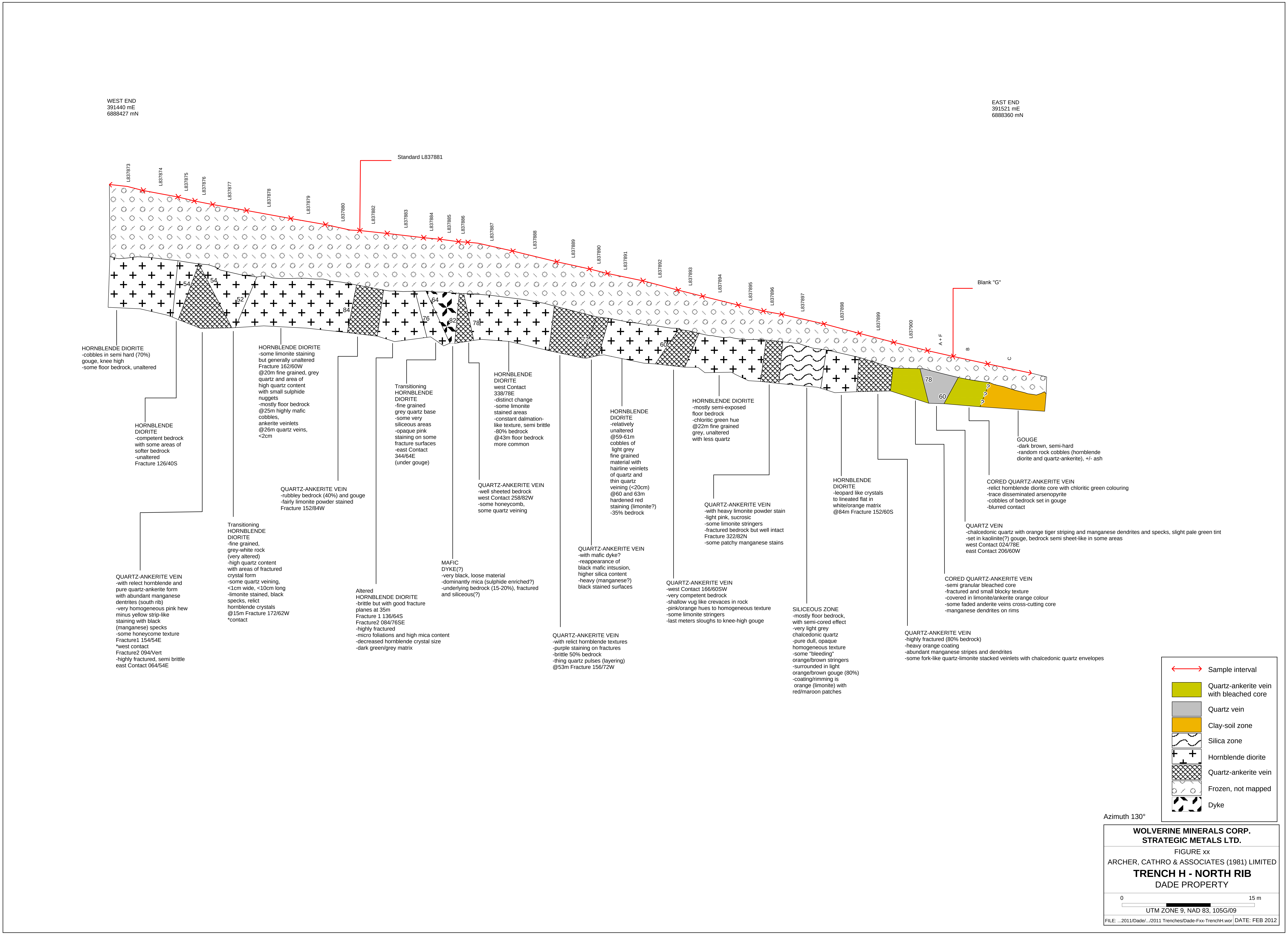
TRENCH F - NORTH RIB

DADE PROPERTY

UTM ZONE 9, NAD 83, 105G/09

FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchF.wor | DATE: FEB 2012


WEST END
391424 mE
6888405 mN
EAST END
391514 mE
6888349 mN
Standard L837850
Blank L837866
HORNBLENDE DIORITE
-unaltered
-80% bedrock
especially on floor
Fracture 170/70SW
QUARTZ-ANKERITE VEIN
-sheets of bedrock
below gouge in pool
of water
-highly fractured
-heavy manganese
dendrites (well formed)
-vein-like form, unknown
brown mineral
HORNBLENDE DIORITE
-unaltered with some
quartz veining, <2cm
-cobbled inclusions
of lighter more siliceous
rock with brown-black speckles
-no clear east contact
MAFIC DYKE(?)
-fine grained rock,
homogeneous texture
-possibly grey
sulphide enriched
quartz, quite hard
-occasional quartz
veinlets, <2mm thick
-blurred east contact
HORNBLENDE DIORITE
-mostly unaltered, slumped ribs,
mostly floor bedrock
@16m high concentration of well
formed feldspar crystals
@18 and 21m dark grey altered
hornblende diorite, sheeted
bedrock on floor
-persistent pink/red staining on
fractured surfaces of rock
@24-27m big boulders (80%)
sitting in gouge, unaltered but
some quartz veining and rare
spots <1x1cm, pale grey
powder staining
@29-37m shin-high slough with
some hornblende diorite blouders,
unaltered
HORNBLENDE DIORITE
-transitioning to quartz-ankerite
-more fine grained, more micaceous
QUARTZ-ANKERITE VEIN
west Contact 164/80SW
-abundant orange staining
-relatively unfractured but
some limonite stringers
@43m 90% bedrock goes to 60%
Fracture 134/40W
HORNBLENDE DIORITE
west Contact on floor 174/30W
-unaltered with some quartz veins
-very hard
CORED QUARTZ-ANKERITE VEIN
-chlorite altered
core with relict
diorite texture
-trace arsenopyrite
around edge of core
-some limonite stringers
cross-cutting core
-blurred contact
QUARTZ-ANKERITE VEIN
-with some fluid-like
chalcedonic quartz (layers)
-rare brecciated clasts of quartz
-trace pyrite
-gradational contact to the east
CORED QUARTZ-ANKERITE VEIN
-bleached with increased
feldspar content, <2cm wide
-purple manganese(?) stringers
-faint green/white hue to core
HORNBLENDE DIORITE
-broken bedrock, mainly
unaltered, ranging in in
hornblende crystal content
-patchy light maroon/
brown staining
-slight green hue to quartz matrix
-some honeycomb texture within
limonite veinlets
@63m subsection of quartz-ankerite
(<15cm) adjacent to hornblende
diorite (west), looks quasi-cored
@64m grey and gougey in texture
Fracture 334/88NW
QUARTZ-ANKERITE VEIN
-with small honeycomb
texture cross-cutting veinlets
-with heavy yellow limonite
staining and veinlets
-faint coring with relict
hornblende diorite
CORED QUARTZ-ANKERITE VEIN
-distinct green (relict
diorite) core with
disseminated
arsenopyrite(?)
-increasing relict
texture to the east
QUARTZ-ANKERITE VEIN
-90% competent bedcork
-highly fractured, blocky
-heavy limonite staining, freckly
-mangnese dendrites + spotting
west Contact 162/60W
east Contact 072/62E
QUARTZ VEIN
-strong, highly irregular
fractured bedrock (no
main fracture plane)
-pale yellow chalcedonic matrix
-maroon to near purple
patchy stains
-persistent manganese dendrites
@37m stacked quartz
veinlets (up to 5)
-similar stacking in orange
and red limonite powder
east Contact 082/40E
CORED QUARTZ-ANKERITE VEIN
-chalcedonic pale
green core
-semi chalky
-trace arsenopyrite
-few very pale
brown relict
hornblende crystals
-blurs to gouge
GOUGE
-orange/light brown clay based
-underlying litho of quartz-ankerite
-some inset quartz clasts (quite soft, altered?)
-large limonite content (stain + stringers)
QUARTZ-ANKERITE VEIN
-70% bedrock, brittle
-heavy quartz content
-abundant manganese stringers
-relatively homogeneous
-semi chalcedonic
QUARTZ-ANKERITE VEIN
-20% bedrock with xenolith type cobbles inset in unaltered hornblende diorite
-rare calcite crystals
-heavy manganese dendrites
-some thick limonite veining (<1cm thick) surrounded by soft white clay(?)
QUARTZ-ANKERITE VEIN
Fracture 130/54S
-gouge slumped over for first metre, the 90% competent rock
-highly fractured, brittle
-manganese and limonite stained
@99m light brown relict hornblende
@102m more heavily limonite powdered with honeycomb texture
Sample interval
Quartz-ankerite vein
Clay-soil zone
Quartz-ankerite vein with bleached core
Quartz vein
Hornblende diorite
Frozen, not mapped
Dyke
Azimuth 130°
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE xx
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH G - NORTH RIB
DADE PROPERTY
0
15 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchG.wor
DATE: FEB 2012

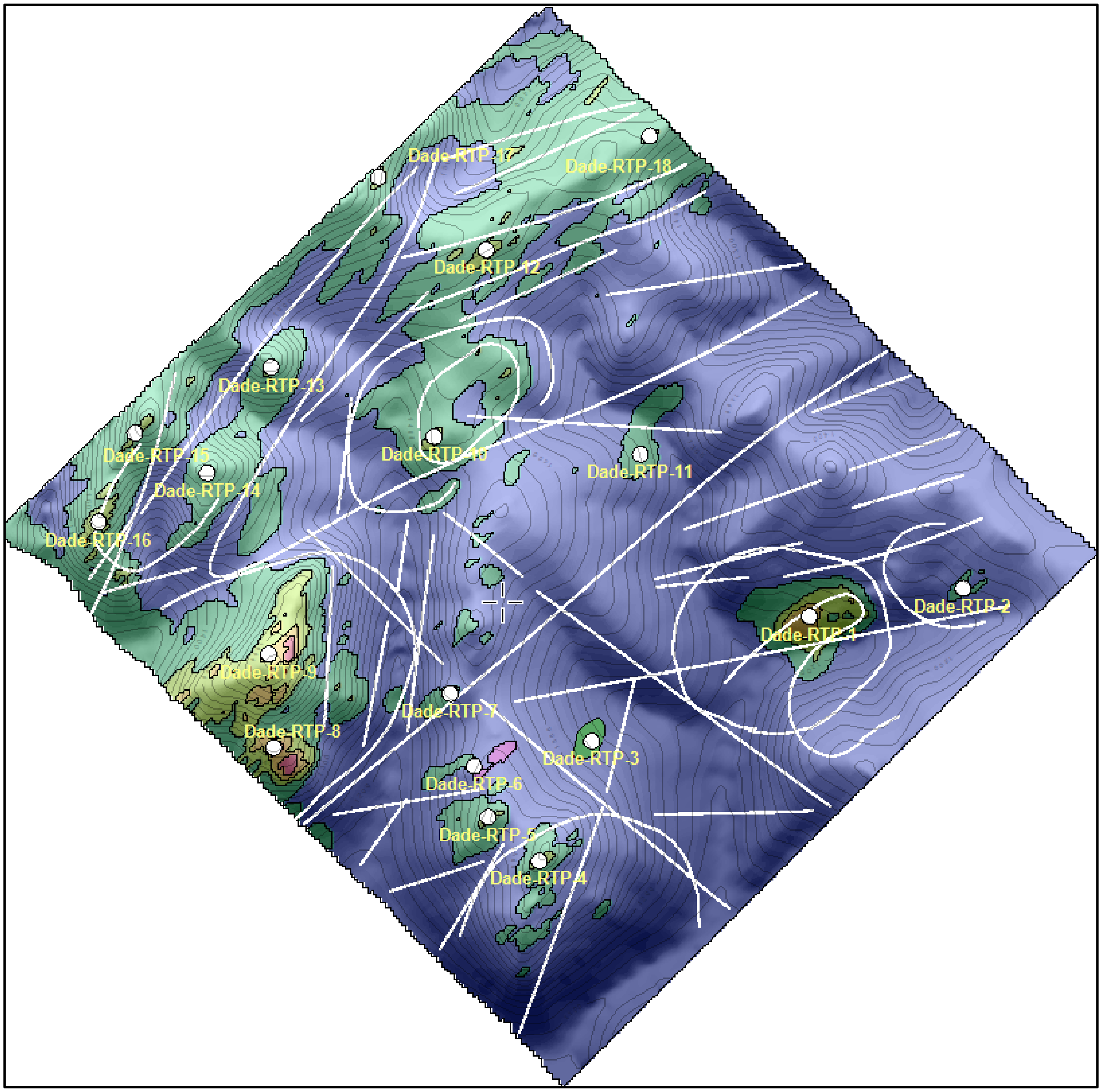


WEST END
391440 mE
6888427 mN
EAST END
391521 mE
6888360 mN
Standard L837881
Blank "G"
L837873
L837874
L837875
L837876
L837877
L837878
L837879
L837880
L837882
L837883
L837884
L837885
L837886
L837887
L837888
L837889
L837890
L837891
L837892
L837893
L837894
L837895
L837896
L837897
L837898
L837899
L837900
A + F
B
C
54
54
52
84
64
76
82
78
72
60
78
60
HORNBLENDE DIORITE
-cobbles in semi hard (70%)
gouge, knee high
-some floor bedrock, unaltered
HORNBLENDE
DIORITE
-competent bedrock
with some areas of
softer bedrock
-unaltered
Fracture 126/40S
QUARTZ-ANKERITE VEIN
-with relect hornblende and
pure quartz-ankerite form
with abundant manganese
dentrites (south rib)
-very homogeneous pink hew
minus yellow strip-like
staining with black
(manganese) specks
-some honeycome texture
Fracture1 154/54E
*west contact
Fracture2 094/Vert
-highly fractured, semi brittle
east Contact 064/54E
Transitioning
HORNBLENDE
DIORITE
-fine grained,
grey-white rock
(very altered)
-high quartz content
with areas of fractured
crystal form
-some quartz veining,
<1cm wide, <10cm long
-limonite stained, black
specks, relict
hornblende crystals
@15m Fracture 172/62W
*contact
HORNBLENDE DIORITE
-some limonite staining
but generally unaltered
Fracture 162/60W
@20m fine grained, grey
quartz and area of
high quartz content
with small sulphide
nuggets
-mostly floor bedrock
@25m highly mafic
cobbles,
ankerite veinlets
@26m quartz veins,
<2cm
QUARTZ-ANKERITE VEIN
-rubbley bedrock (40%) and gouge
-fairly limonite powder stained
Fracture 152/84W
Altered
HORNBLENDE DIORITE
-brittle but with good fracture
planes at 35m
Fracture 1 136/64S
Fracture2 084/76SE
-highly fractured
-micro foliations and high mica content
-decreased hornblende crystal size
-dark green/grey matrix
Transitioning
HORNBLENDE
DIORITE
-fine grained
grey quartz base
-some very
siliceous areas
-opaque pink
staining on some
fracture surfaces
-east Contact
344/64E
(under gouge)
MAFIC
DYKE(?)
-very black, loose material
-dominantly mica (sulphide enriched?)
-underlying bedrock (15-20%), fractured
and siliceous(?)
QUARTZ-ANKERITE VEIN
-well sheeted bedrock
west Contact 258/82W
-some honeycomb,
some quartz veining
HORNBLENDE
DIORITE
west Contact
338/78E
-distinct change
-some limonite
stained areas
-constant dalmation-
like texture, semi brittle
-80% bedrock
@43m floor bedrock
more common
QUARTZ-ANKERITE VEIN
-with relict hornblende textures
-purple staining on fractures
-brittle 50% bedrock
-thing quartz pulses (layering)
@53m Fracture 156/72W
QUARTZ-ANKERITE VEIN
-with mafic dyke?
-reappearance of
black mafic intsusion,
higher silica content
-heavy (manganese?)
black stained surfaces
HORNBLENDE
DIORITE
-relatively
unaltered
@59-61m
cobbles of
light grey
fine grained
material with
hairline veinlets
of quartz and
thin quartz
veining (<20cm)
@60 and 63m
hardened red
staining (limonite?)
-35% bedrock
QUARTZ-ANKERITE VEIN
-west Contact 166/60SW
-very competent bedrock
-shallow vug like crevaces in rock
-pink/orange hues to homogeneous texture
-some limonite stringers
-last meters sloughs to knee-high gouge
HORNBLENDE DIORITE
-mostly semi-exposed
floor bedrock
-chloritic green hue
@22m fine grained
grey, unaltered
with less quartz
QUARTZ-ANKERITE VEIN
-with heavy limonite powder stain
-light pink, sucrosic
-some limonite stringers
-fractured bedrock but well intact
Fracture 322/82N
-some patchy manganese stains
SILICEOUS ZONE
-mostly floor bedrock,
with semi-cored effect
-very light grey
chalcedonic quartz
-pure dull, opaque
homogeneous texture
-some "bleeding"
orange/brown stringers
-surrounded in light
orange/brown gouge (80%)
-coating/rimming is
orange (limonite) with
red/maroon patches
HORNBLENDE
DIORITE
-leopard like crystals
to lineated flat in
white/orange matrix
@84m Fracture 152/60S
QUARTZ-ANKERITE VEIN
-highly fractured (80% bedrock)
-heavy orange coating
-abundant manganese stripes and dendrites
-some fork-like quartz-limonite stacked veinlets with chalcedonic quartz envelopes
CORED QUARTZ-ANKERITE VEIN
-semi granular bleached core
-fractured and small blocky texture
-covered in limonite/ankerite orange colour
-some faded anderite veins cross-cutting core
-manganese dendrites on rims
QUARTZ VEIN
-chalcedonic quartz with orange tiger striping and manganese dendrites and specks, slight pale green tint
-set in kaolinite(?) gouge, bedrock semi sheet-like in some areas
west Contact 024/78E
east Contact 206/60W
CORED QUARTZ-ANKERITE VEIN
-relict hornblende diorite core with chloritic green colouring
-trace disseminated arsenopyrite
-cobbles of bedrock set in gouge
-blurred contact
GOUGE
-dark brown, semi-hard
-random rock cobbles (hornblende
diorite and quartz-ankerite), +/- ash
Sample interval
Quartz-ankerite vein
with bleached core
Quartz vein
Clay-soil zone
Silica zone
Hornblende diorite
Quartz-ankerite vein
Frozen, not mapped
Dyke
Azimuth 130°
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE xx
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TRENCH H - NORTH RIB
DADE PROPERTY
0
15 m
UTM ZONE 9, NAD 83, 105G/09
FILE: ...2011/Dade/.../2011 Trenches/Dade-Fxx-TrenchH.wor
DATE: FEB 2012

APPENDIX V

GEOPHYSICAL REPORTS

Processing and Interpretation of the BBB and Dade Magnetic Data, Yukon, Canada



Dade Grid Classified RTP Response

Condor Consulting
Lakewood, CO USA

Contents

Introduction

This report covers the processing and basic interpretation of the New-Sense Geophysics Ltd. “BBB” and “Dade” magnetic and radiometric survey data. The BBB survey grid will be reviewed first followed by the Dade grid.

Dade Survey

The survey location and flight line path is seen below in Figure 8. The survey coordinates are NAD83 UTM zone 8N. There is a total of 396 line km of data on the grid. The nominal flight line spacing is 100 m. The survey grid covers significant topography with over 700 m of relief. Processing of the delivered data included filtering techniques that accentuate magnetic structure and higher amplitude signatures on the grid. The primary filtered grids of the TMI grid are the RTP, 1VD, TA, and the AS. Sun-shaded

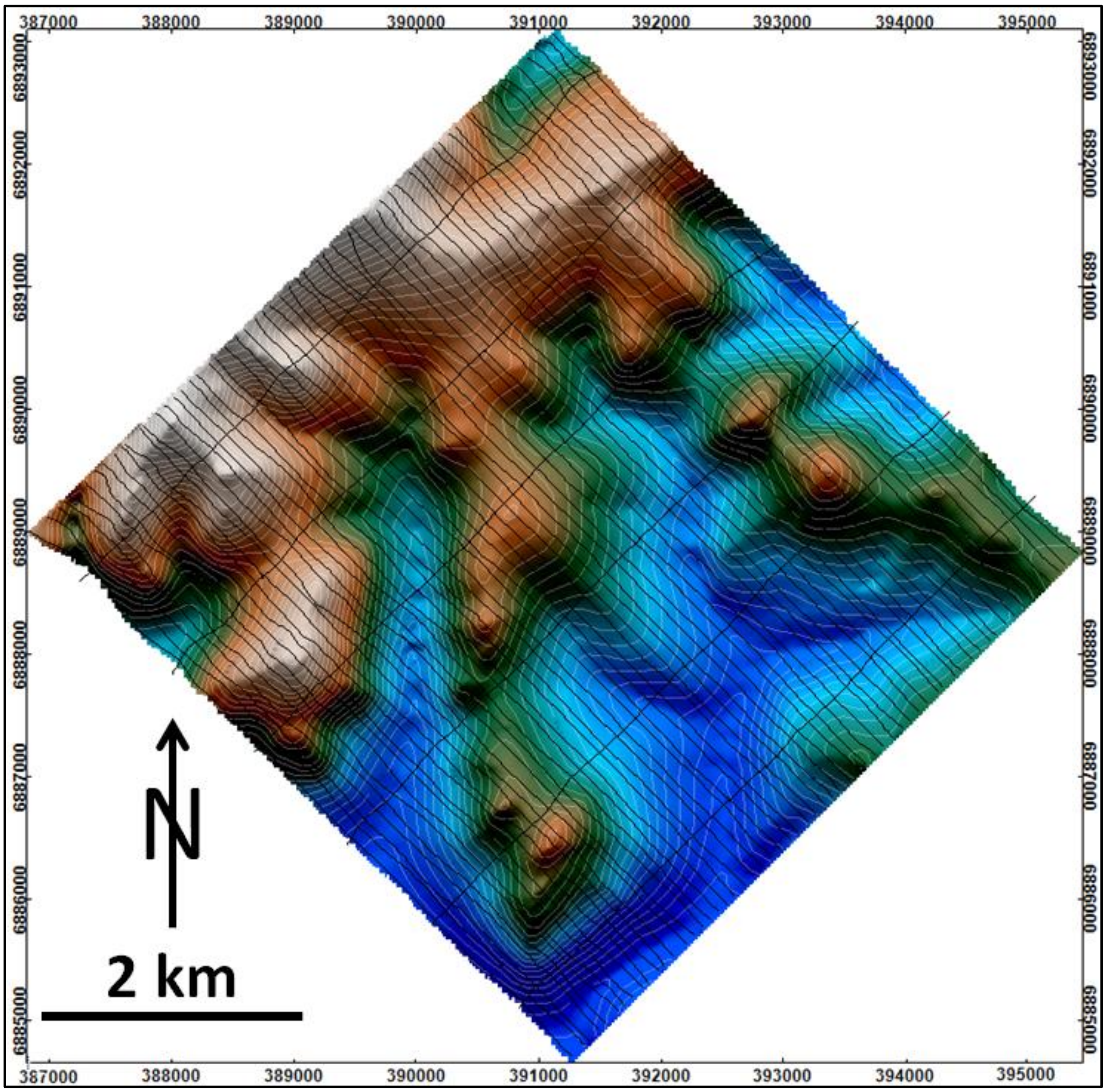


Figure 8. Dade grid flight and tie lines, 396 km total. Background image is topography. The topographic relief from lower elevations (blue) to higher elevations (light brown) is over 700 m.

horizontal gradient magnetic structure maps are also used. Radiometric data is plotted as ternary CMY color plots and K-count plots.

The higher amplitude magnetic and radiometric signatures appear to be less correlated with exposed ridgelines and mountains than they were on the BBB grid. There is some TMI-topographic correlation noted on the grid west though; Figure 9, the TMI draped on topography, shows this. The correlation may in part be related to lower sensor clearances over the ridges and peaks. The TMI range on the grid

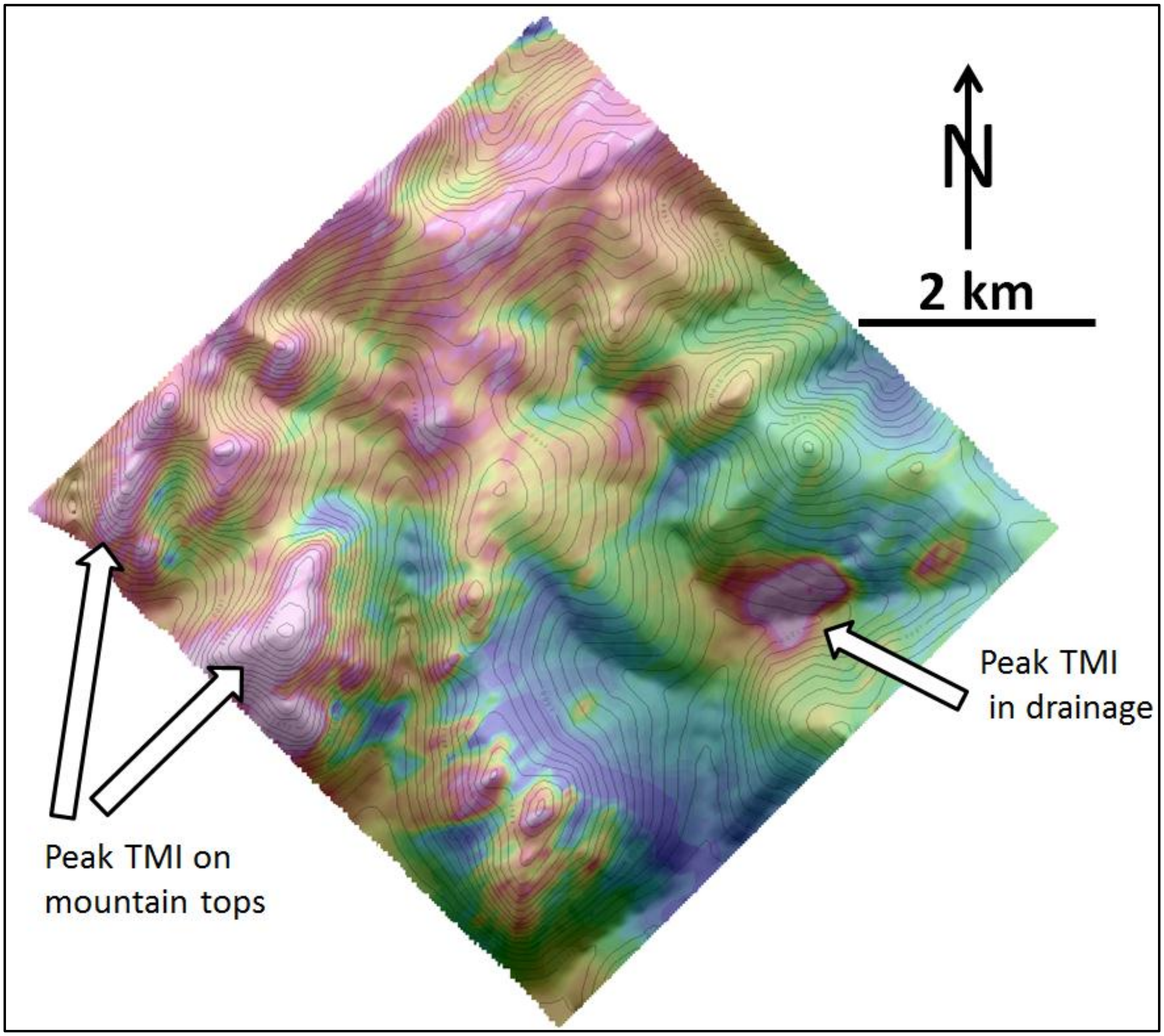


Figure 9. Dade TMI draped on topography. The pointed-out higher amplitude responses in red are sited over two adjacent mountain peaks on the grid west and in an eastern drainage channel.

is ~ 2000 nT, more than twice the BBB grid range. In the following figures the geophysical response grids are draped on topography to show where higher amplitude responses are located in relation to topography.

Figure 10 is a drape of the K-count channel on topography. The observation of higher K-counts over exposed ridgelines and mountain generally holds. Unlike the BBB grid though, the Dade drainage K-counts are often elevated where they drain higher K-count ridges and peaks. This includes the slightly elevated K-counts over the eastern TMI high flagged in Figure 9. The correlation of higher K-counts with higher elevations may in part be coincidental when due to lower detector altitudes, so the mountain

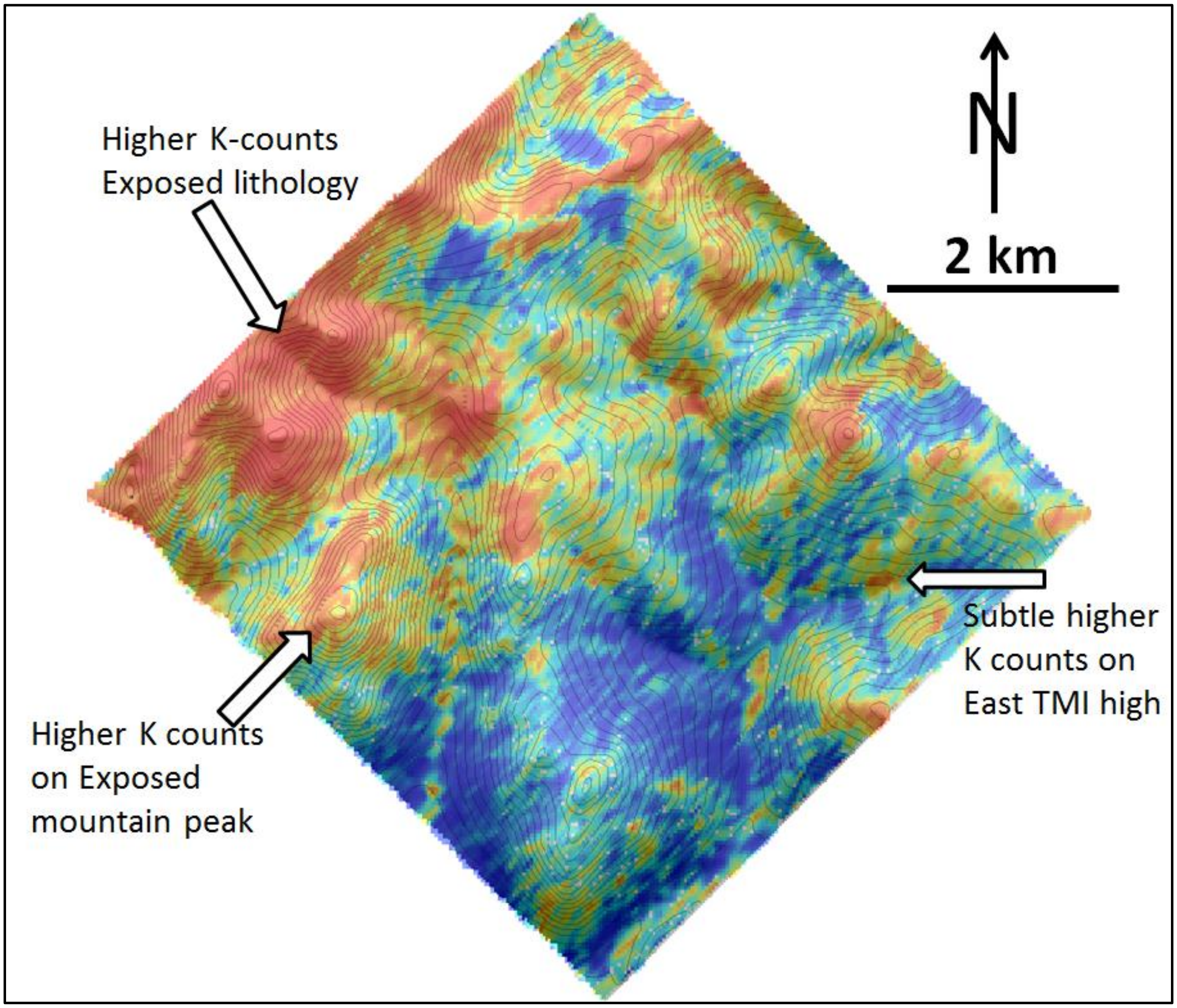


Figure 10. Dade K channel counts drape on topogaphy. The higher counts (red) generally occur over ridges and peaks and in some drainage channels. The lower counts in darker blues are generally on the southern grid which is more vegetated and may be lithologically different from the northern grid.

peaks should not be discounted for follow-up investigation, as some peaks contain more radioactive potassium than the regional background. The NW grid areas generally return higher radiometric counts; this may be correlated with the radiometric source rocks being more exposed here, with less vegetation cover, if not due to more radioactive rocks alone.

Figure 11 is a topographic drape of the RTP image. The RTP better locates the peak magnetic response than does the TMI image in Figure 9. The RTP responses were picked as potential reconnaissance sites for follow-up investigation. The 18 Dade Recce Sites and their properties are listed in Table 3. Recce Site

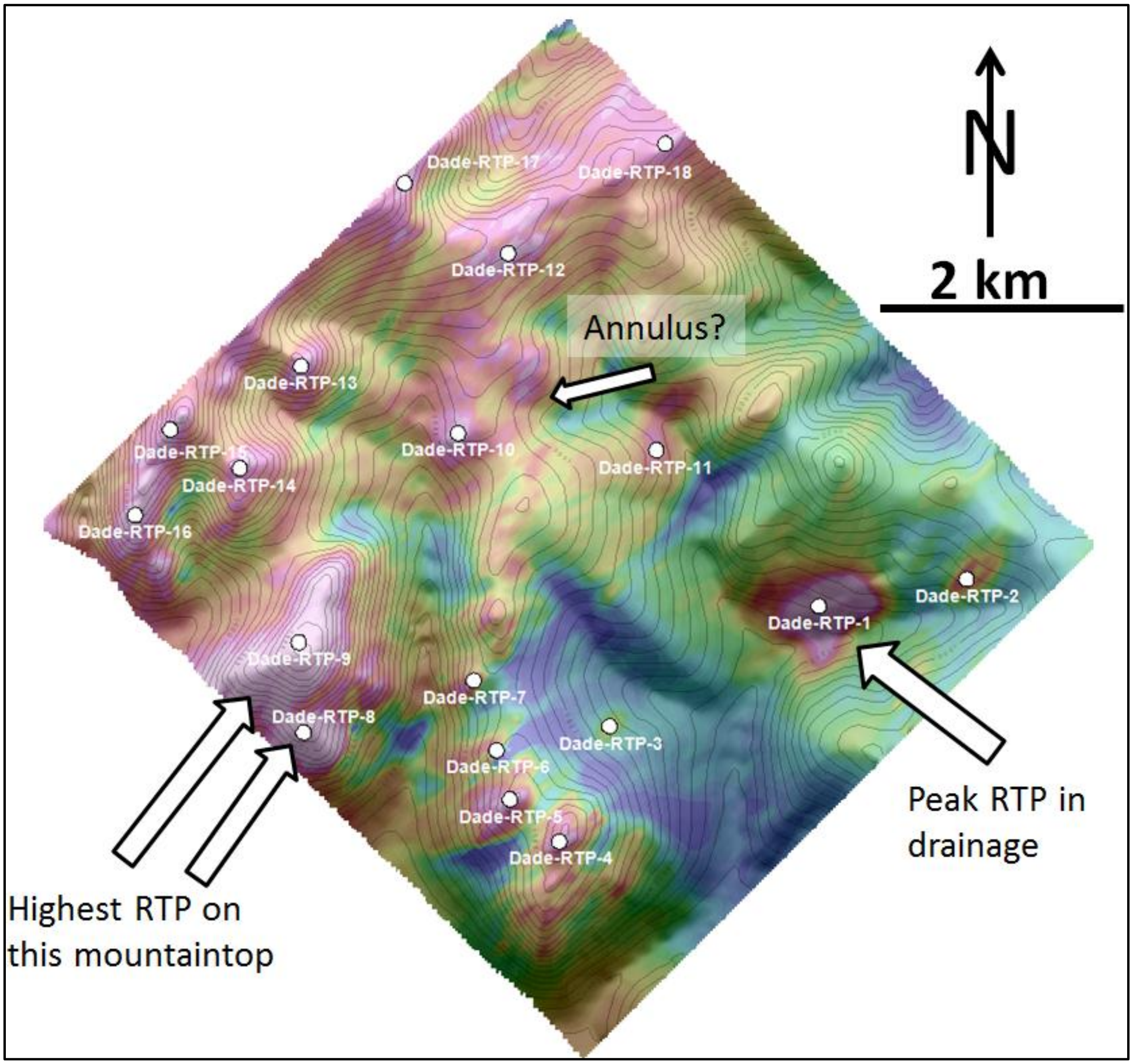


Figure 11. Dade RTP grid draped on topography with the 18 proposed reconaissance sites posted.

“Dade-RTP-1” is the highest ranked Recce Site in the pointed-out eastern drainage channel. Recce Site “Dade-RTP-8” is also high-priority for follow-up being the highest amplitude RTP response on the grid. It is located on a subsidiary mountain peak south of “Dade-RTP-9”, which is also high priority. Moderate priority Recce Site “Dade-RTP-10, is located on the south side of the elliptical ring-shaped signature pointed out as “Annulus?” and has an elevated K-count. With a 1300 m long axis this feature is thought to be too small to be related to porphyry alteration but might still warrant field investigation. If it’s not geologic in origin, it is possible the magnetic ring signature is a topographic effect.

Table 3. Proposed Dade reconnaisance sites based on RTP amplitude values

ID	X	Y	DTM	Rad_Alt_Ft	RTP	AS_Amp	K-counts	Notes	Priority	Rank
Dade-RTP-1	393182	6888331	1228	82	58396	13.3	Slightly elevated K on east	Discrete higher amplitude magnetic response on south flank of 1500 m mountain, ~300 m below peak. Elevated on the north bank of a stream channel, traverse E-W.	High	1
Dade-RTP-2	394385	6888549	1312	87	57469	4.9	Lower K	Smaller discrete moderate amplitude magnetic high elevated on the north bank of a stream channel.	Moderate	8
Dade-RTP-3	391480	6887356	1254	111	57289	4.0	Lower K	Smaller discrete moderate amplitude magnetic high elevated on the south valley bank of a stream channel.	Moderate	9
Dade-RTP-4	391070	6886419	1459	61	57982	21.9	Slightly elevated K	Higher amplitude peak magnetic response on a mountain peak, not certain if mag high correlated with lower flight height.	High	5
Dade-RTP-5	390668	6886762	1415	93	57765	13.3	Slightly elevated K	Higher amplitude peak magnetic response on a mountain peak, not certain if mag high correlated with lower flight height.	High	6
Dade-RTP-6	390560	6887159	1376	76	57278	6.8	Slightly elevated K	Moderate amplitude peak magnetic response on a ridgeline, juxtaposed with lowest magnetic respons to NE, remanence?, alteration?	High	4

ID	X	Y	DTM	Rad_Alt_Ft	RTP	AS_Amp	K-counts	Notes	Priority	Rank
Dade-RTP-7	390373	6887726	1366	122	57787	24.3	Slightly elevated K	Higher amplitude peak magnetic response on a ridgeline, mag high definitely not correlated with lower flight height.	High	7
Dade-RTP-8	388991	6887305	1450	61	58473	12.1	Slightly elevated K	Higher amplitude peak magnetic response on a subsidiary mountain peak, traverse SE-ward, mag high possibly correlated with lower flight height.	High	2
Dade-RTP-9	388951	6888036	1619	51	58405	27.3	Elevated K	Higher amplitude peak magnetic response on a mountain peak, mag high possibly correlated with lower flight height, traverse W or NE.	High	3
Dade-RTP-10	390247	6889735	1444	107	57794	7.3	Elevated K	Moderate amplitude peak magnetic response on a lower ridge peak, mag high definitely not correlated with lower flight height.	Moderate	10
Dade-RTP-11	391861	6889598	1299	55	57459	1.1	Elevated K	Lower amplitude peak magnetic response on the south bank of a drainage, signature traverses north across drainage.	Moderate	12
Dade-RTP-12	390654	6891196	1561	42	57839	7.5	Elevated K	Moderate amplitude magnetic response ~200 m down the south slope from the ridgeline peak, traverse NNE	Moderate	11
Dade-RTP-13	388970	6890280	1651	89	57695	4.5	Highly Elevated K	Moderate amplitude magnetic response on the ridgeline peak.	Lower	17

ID	X	Y	DTM	Rad_Alt_Ft	RTP	AS_Amp	K-counts	Notes	Priority	Rank
Dade-RTP-14	388471	6889451	1665	72	57613	2.3	Highly Elevated K	Lower amplitude peak magnetic response on a mountain peak.	Lower	18
Dade-RTP-15	387905	6889765	1757	104	57733	7.9	Highly Elevated K	Moderate amplitude magnetic response on a mountain peak, traverse SW.	Lower	14
Dade-RTP-16	387620	6889070	1610	69	57666	4.8	Elevated K	Moderate amplitude magnetic response on a mountain peak, traverse NE.	Lower	16
Dade-RTP-17	389811	6891766	1708	76	57871	12.1	Highly Elevated K	Higher amplitude peak magnetic response on the east flank of a higher mountain.	Moderate	13
Dade-RTP-18	391933	6892086	1536	48	57698	5.3	Elevated K	Moderate amplitude peak magnetic response on a ridgeline, traverse WSW.	Lower	15

Figure 12 is a drape of the AS image on topography. Most of the individual RTP Recce Sites have associated larger, continuous, AS peak responses in the shape of the outlines. As the outlines are enclosing more-magnetic responses, the signatures may be traversed within the outlines out in the field to check if there is any magnetic source continuity associated with the AS responses.

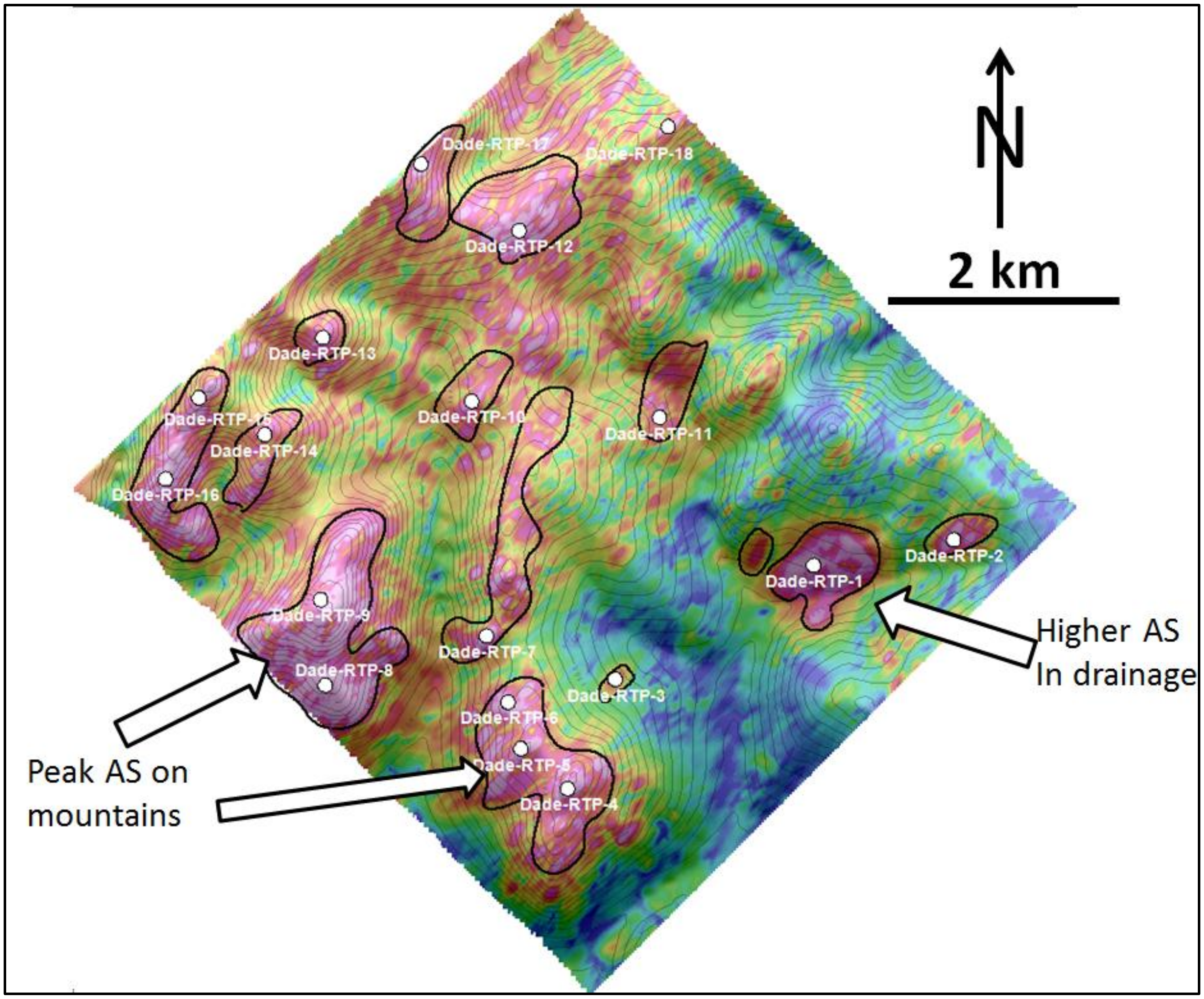


Figure 12 . The Dade higher amplitude AS response zones outlined in black.

Figure 13 is a basic magnetic linear interpretation of the RTP draped on the horizontal gradient shaded grid, with shading in a NW-SE direction. Some more obvious linear and curvilinear signatures are traced in white. Some of the linears bound what appear to be wedge shaped blocks. The higher-frequency magnetic grain strikes NE-SW. This grain is broken up and truncated in places by larger scale magnetic linears that crisscross the survey grid. The most prominent NE-SW striking magnetic linear bisects the grid into a higher-frequency, noisier background domain on the north and a quieter lower-frequency domain on the south. This linear may mark a geologic break. The northern domain appears more

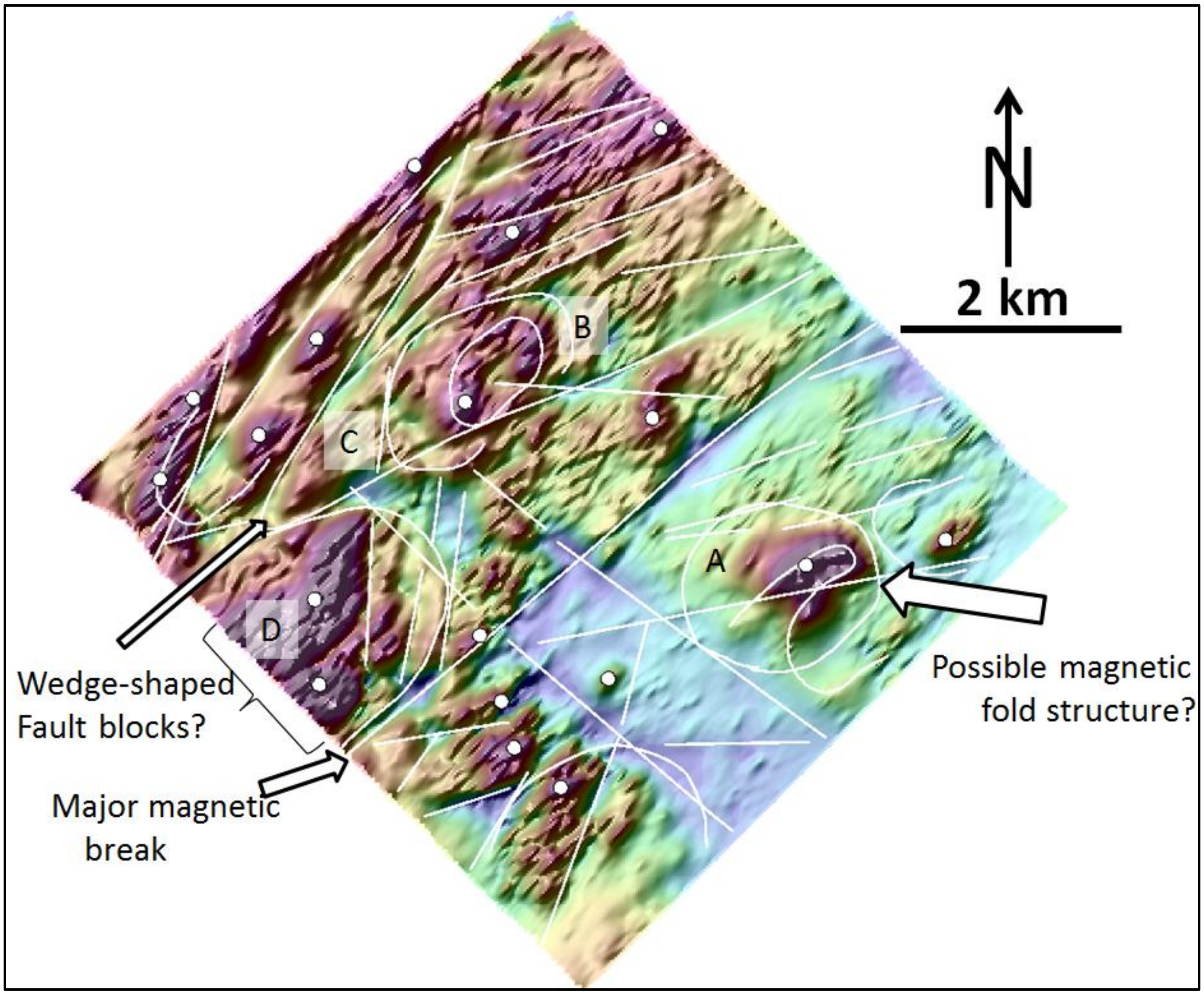


Figure 13. Dade RTP response grid draped on NE-SW horizontal gradient structure with basic interpretation.

structurally complex and is characterized by higher frequency choppy RTP magnetic signatures. Choppy magnetic textures can be characteristic of surface volcanics though it is not known at present if there are any volcanic rocks located on the Dade survey grid. Most north-domain lineaments are NE-SW striking with both steeper and flatter strike azimuths. The northern domain also contains a larger Z-shaped magnetic signature and a possible elliptical magnetic signature. The magnetically quieter southern domain's most prominent signatures are two parallel NW-SE striking linears that bound a low amplitude response that traces a drainage channel. To the NNE of these two linears a higher amplitude magnetic "blob" signature is identified in an E-W flowing drainage channel. This blob signature is unusual, as most of the higher amplitude magnetic signatures on both grids reside on mountain tops and ridgeline crests.

The SSW corner area of the southern magnetic domain is most like the northern domain, exhibiting a higher frequency NE-SW striking grain. The block and wedge geometry of the Dade grid may indicate faulting; faulting can juxtapose different lithologies. The Z signature may also indicate faulting, or folding.

At site A, “Dade-RTP-1”, the gradient shading adds some structural complexity to the higher amplitude blob-shaped signature. The “blob” becomes a NE verging magnetic signature defined by two higher-amplitude limbs or edges. At site B the ring signature now looks more like a torus-shaped signature. The torus or annulus interpretation though appears even more nebulous with shading. At site C the converging magnetic linears could be interpreted as the hinge zone of a Z-shaped magnetic signature; slightly elevated RTP amplitudes occur in this “magnetic nose” signature though no Recce Site is located in the verging. At site D the highest amplitude RTP responses on the grid are clipped on the east by a N-S striking magnetic signature. Site D is also located on the south side of the ENE-WSW striking magnetic linear that creates the Z verging at site C. It’s possible that the nose-shaped signatures at C and D locate the leading edges of two adjacent fault block wedges, but without field investigation this is just speculation. It might be argued that the magnetic signature geometries here might just reflect topographic, erosional, and flight height effects in the data, but this is unlikely. The difference in the higher amplitude RTP response at site D and the quiet RTP response just south of Site A indicate that different lithologies are being mapped in the two areas. The NW-SE striking low amplitude magnetic signature seen south of Site A that encloses a drainage channel has a graben-shape, though it is unknown if this is a nascent graben. Overall, the Dade magnetic signatures indicate more structural and lithologic complexity whereas the more homogeneous BBB grid background texture indicates more structural and lithologic homogeneity. Field reconnaissance would verify or refute the interpretation accuracy.

Figure 14 is the Dade RTP classification with Table 4 showing the six class breakdown. The highest amplitude RTP zones are clearly highlighted by local red, orange, and yellow shades. The previously mentioned river drainage anomaly “Dade-RTP-1” on the grid east, and mountain top anomalies “Dade-RTP-8” and “Dade-RTP-9” on the grid west, stand out. Flagged on the grid is the unusual juxtaposition of higher and lower amplitude RTP signatures at “Dade-RTP-6”, it’s not known if this is a smaller zone of remanence or demagnetization. Remanence can cause unusual magnetic polarity geometry, and demagnetization can cause magnetic signature drop-outs. Surveying noise can also cause these effects.

Table 4. Dade grid RTP class ranges in nT.

	From (>=)	To (<)	Value
1	56703.468750	57028.664063	1.000000
2	57028.664063	57353.859375	2.000000
3	57353.859375	57679.054688	3.000000
4	57679.054688	58004.250000	4.000000
5	58004.250000	58329.445313	5.000000
6	58329.445313	58654.640625	6.000000

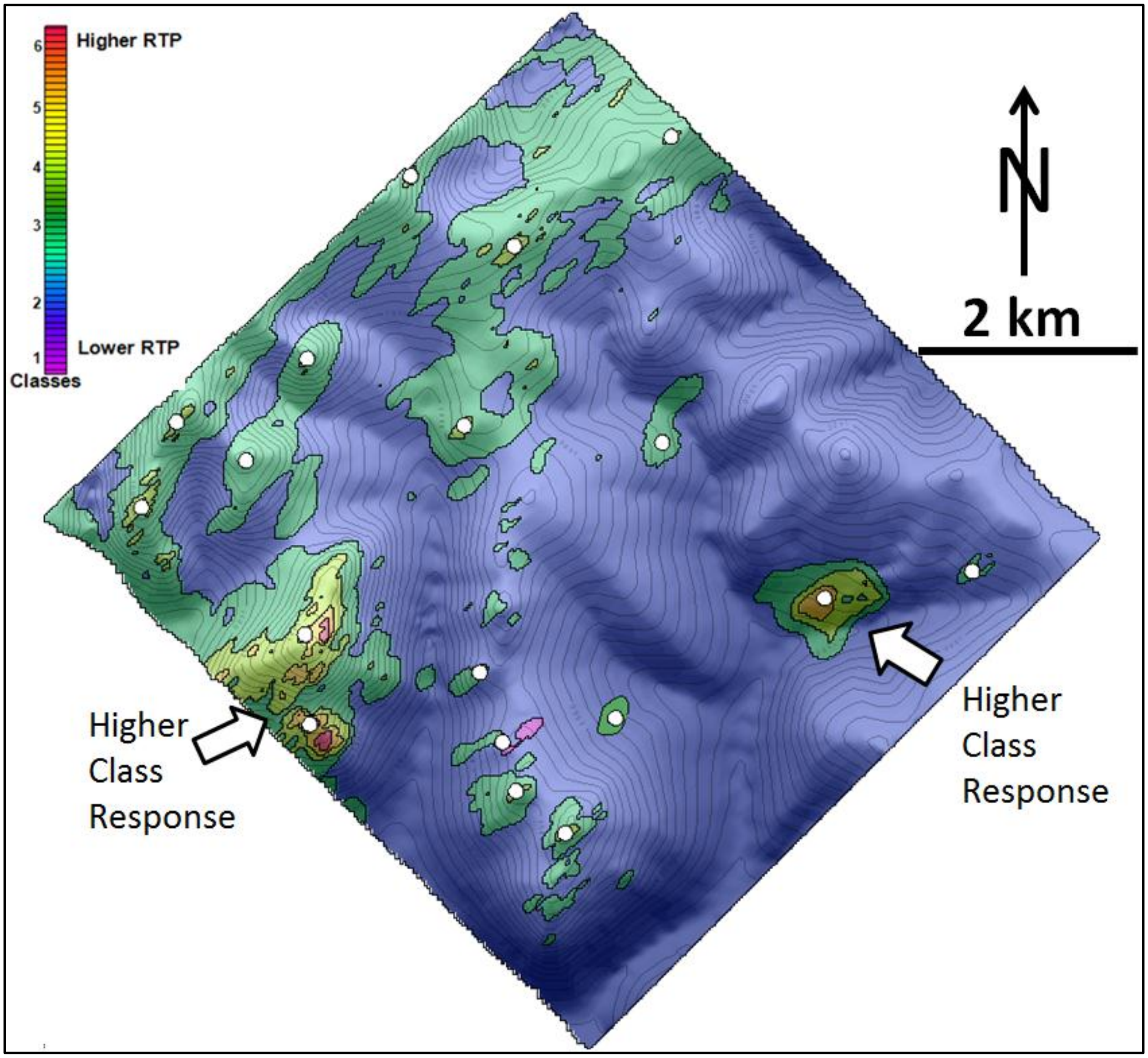


Figure 14. Dade RTP data classified into six classes based on amplitude ranges.

Conclusions

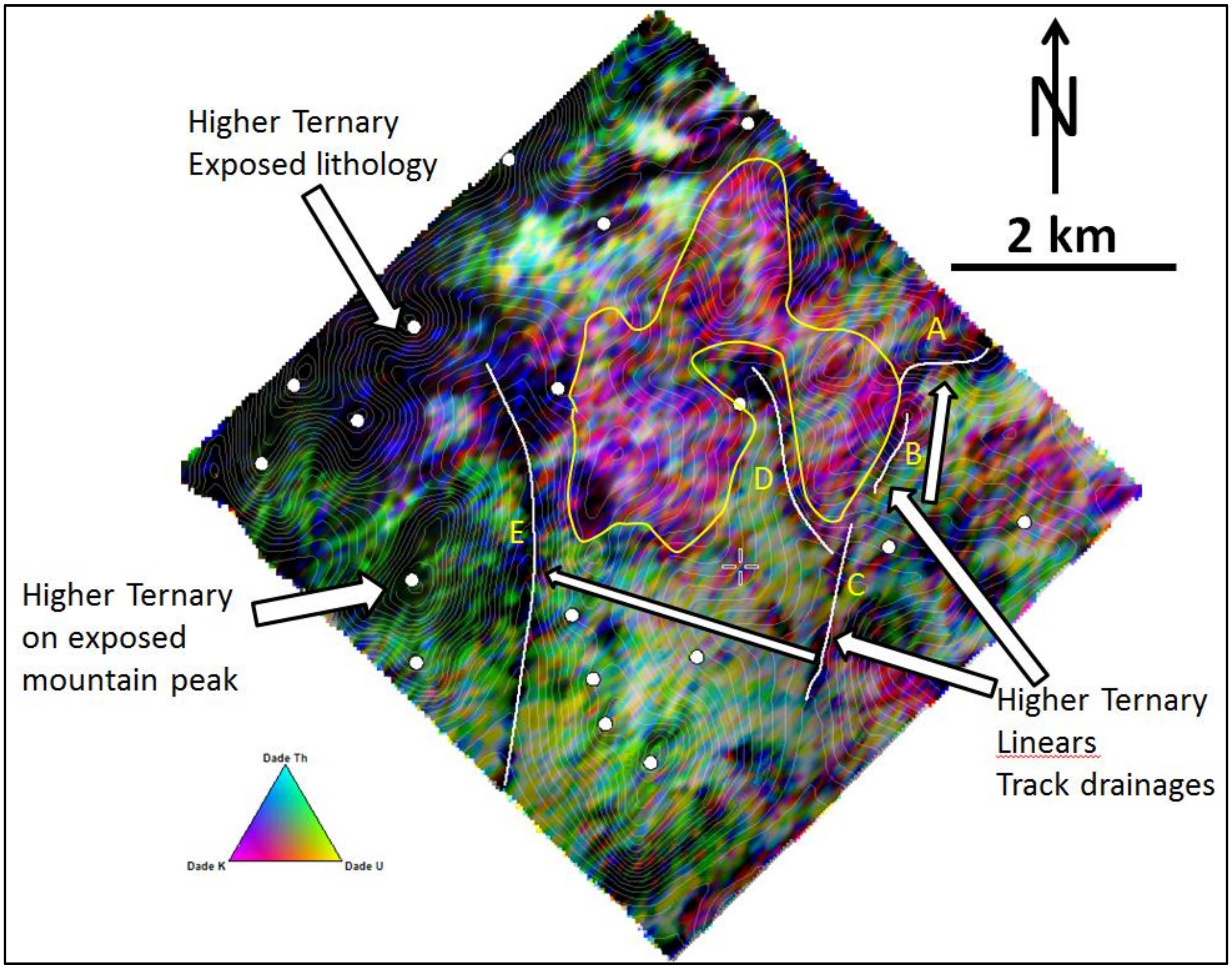
The Dade magnetic data has a range of ~ 2000 nT indicating the possible presence of moderately to more-magnetic rocks near surface. The basic magnetic linear interpretation of this grid shows that the higher-frequency magnetic grain strikes NE-SW. This grain is broken up and truncated in places by larger scale magnetic linears that crisscross the survey grid. The main NE-SW striking magnetic linear bisects the grid into a higher-frequency domain on the north and a quieter lower-frequency domain on the south. The northern domain appears more structurally complex and is generally characterized by NE-SW striking magnetic linears with steeper to flatter strike azimuths. The northern domain also contains a Z-shaped magnetic signature and a questionable elliptical magnetic signature. The magnetically quieter southern domain's most prominent linear signatures strike NW-SE and enclose a lower amplitude RTP response that traces a drainage channel. To the north of these two linears a higher amplitude magnetic signature is identified in an E-W flowing drainage channel, which is unusual, as most of the higher amplitude magnetic signatures on both grids reside on mountain tops and ridgeline crests. The SSW of the southern magnetic domain is most like the northern domain with a higher frequency NE-SW striking grain. Eighteen Recce Sites are identified on the Dade grid with Dade-RTP-1 in the eastern drainage being ranked highest priority for field follow up. There are six other high priority sites resulting in a total of seven. Six Dade Recce Sites are ranked moderate priority, and five are ranked lower priority. The Dade grid, with its higher magnetic signature amplitudes and magnetic structural complexity, when compared to the BBB grid, would be ranked higher priority for initial reconnaissance.

Any a priori geologic or geochemical information not available to the writer could upgrade or downgrade reconnaissance priority for either grid or any of the geophysical signature rankings. If field access is an issue for some Recce Sites, it is advised they be stream sediment sampled downstream from their locations.

Respectfully Submitted,

Ed Cunion
November 14, 2011

Addendum: Dade KUTh Ternary Radiometric Image



The Dade KUTh Ternary diagram is viewed above with a cyan, magenta, and yellow color scheme (CMY) used for Th, K, and U respectively. The dark tones in this image are higher cumulative KUTh counts, the whiter shades are lower counts. The five white linears labeled A-E identify higher cumulative radiometric responses in drainages. The yellow outline surrounds a larger area with a higher K-component response as indicated by the magenta shades. Generally higher count radiometric signatures occur in the north as indicated by the darker shades, and lower counts occur in the south as indicated by lighter shades. If the change in radiometric character is not solely due to a change in lithology, the southern grid area is also more vegetated with perhaps a wetter ground environment. The contours on the image are topography. The above image duplicates the New-Sense Ternary image.

Logistics
Report

For the

High Resolution Helicopter Magnetic and
Gamma-ray Spectrometric Airborne Geophysical Survey

Flown over

BBB and Dade Blocks, YT, Canada

From

Carmacks, YT, Canada

Carried out on behalf of

WOLVERINE MINERALS CORP.

By

New-Sense Geophysics Limited

Toronto, Canada
September 27th, 2011
(HMR110713-report)

TABLE OF CONTENTS

AMENDMENT RECORD

Rev	Date	Description	Report Section	Prepared by

DOCUMENT RECORD

Document Identification	HMR110713-report
Document Custodian	Field Operations Manager
Relates To	Final Deliverables
Original Date Issued	September 27th, 2011

1. INTRODUCTION

A high sensitivity helicopter magnetic and gamma-ray spectrometric airborne survey was carried out for Wolverine Minerals Corp. (Client) over the project areas known as BBB and Dade blocks, located approximately 50 km west of Carmacks, YT, Canada.

New-Sense Geophysics (NSG) flew the survey under the terms of an agreement with Client dated July 13th, 2011 (Appendix G).

The survey was flown between July 13th and July 18th, 2011. A total of 396 line kilometers (BBB block) and 427 line kilometers (Dade block) of field magnetic and radiometric data was flown, collected, processed and plotted.

The geophysical equipment was comprised of 1 high-sensitivity Cesium-3 magnetometer mounted in a fixed stinger assemble, and a 1024-channel spectrometer with four downward looking crystals (total 16 liters), and one upward looking crystal (total 4 liters). Airborne ancillary equipment included; digital recorders, fluxgate magnetometer, radar altimeter, and global positioning system (GPS) receiver. The GPS receiver provided accurate real-time navigation and subsequent flight path recovery. Surface equipment included a magnetic base station with GPS time synchronization, and a PC-based field workstation which was used to check the data quality and completeness on a daily basis.

The technical objective of the survey was to provide high-resolution total field magnetic and radiometric maps suitable for anomaly delineation, detailed structural evaluation, and identification of lithologic trends. Fully corrected magnetic and radiometric maps were prepared by New-Sense Geophysics Limited, in their Toronto office, after the completion of survey activities.

This report describes the acquisition, processing, and presentation of data for the Wolverine Minerals Corp. airborne survey over BBB and Dade blocks flown from Klaza camp and Carmacks, YT, Canada (Tables 2.1-2.2 and Figure 2.1).

2. SURVEY LOCATION

Datum: NAD83
Projection: Universal Transverse Mercator Zone 8N
Local Datum Transform: North America – Canada and USA

Table 2.1: BBB Block Coordinates

UTM Zone 8N	
NAD83_X	**NAD83_Y**
365438	6902072
373282	6897592
371473	6894543
368259	6896403
367652	6895669
366893	6896087
366412	6895416
362831	6897580
365438	6902084

Table 2.2: Dade Block Coordinates

UTM Zone 8N	
NAD83_X	**NAD83_Y**
391140	6893040
386855	6888934
391261	6884750
395425	6888891

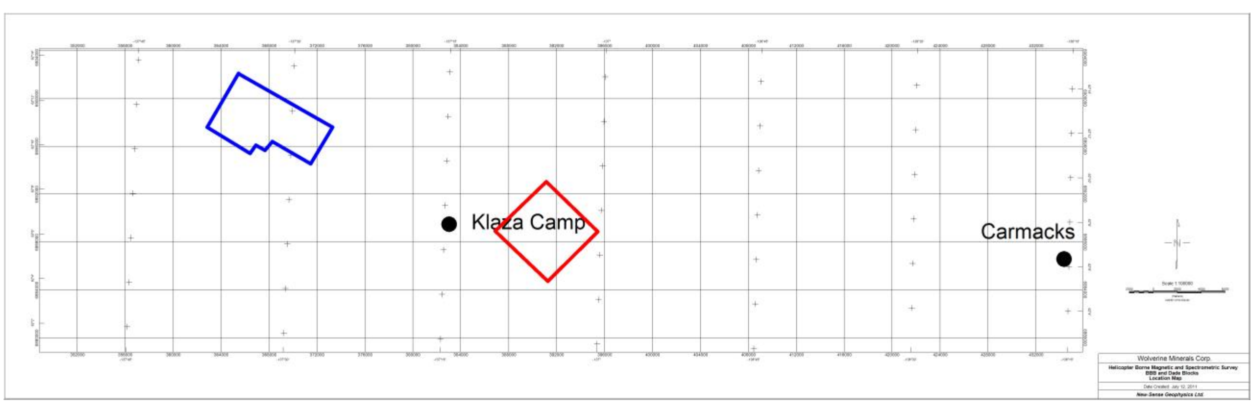


Figure 2.1 Map depicting outlines of the BBB block (blue) and Dade block (red). Coordinate system, WGS84, World, UTM Z8N. UTM grid cell size 4km.

3. PERSONNEL

3.1 FIELD OPERATIONS

New-Sense Geophysics Ltd., Geophysicist:	Pawel Starmach
Northern Air Support Ltd., Pilot:	Jim Stibbart

3.2 OFFICE DATA PROCESSING AND OFFSITE QA/QC

QA/QC (NSG):	Andrei Yakovenko
.	
Data Processing and Grids (NSG):	Andrei Yakovenko Pawel Starmach
Maps (NSG):	Andrei Yakovenko
Logistics Report (NSG):	Andrei Yakovenko

3.3 PROJECT MANAGEMENT

New-Sense Geophysics Ltd.:	Andrei Yakovenko, Vice President, Operations
Wolverine Minerals Corp.	Heather Smith, P.Geo, Project Geologist/Supervisor

4. SURVEY PARAMETERS

BBB block:

Traverse Line spacing:	100 m
Control Line spacing:	1000 m
Average Terrain clearance:	35 m
Navigation:	GPS
Traverse Line direction:	29^0, 209^0
Control Line direction:	119^0, 299^0
Measurement interval:	0.02/0.1 sec for magnetic; 1.0 sec for radiometric; 1.0 sec for GPS
Groundspeed (average):	141 km/hr
Measurement spacing (average):	3.9 m/0.1 sec for magnetic; 39/1.0 sec for radiometric

Dade block:

Traverse Line spacing:	100 m
Control Line spacing:	1000 m
Average Terrain clearance:	31 m
Navigation:	GPS
Traverse Line direction:	135^0, 315^0
Control Line direction:	45^0, 225^0
Measurement interval:	0.02/0.1 sec for magnetic; 1.0 sec for radiometric; 1.0 sec for GPS
Groundspeed (average):	109 km/hr
Measurement spacing (average):	3.1 m/0.1 sec for magnetic; 31/1.0 sec for radiometric

Airborne Digital Record:	Line Number Flight Number Radar Altimeter Total Field Magnetics Live Time Thorium counts Potassium counts Uranium counts Upward looking Uranium counts Cosmic counts Down Spectrum Up Spectrum Total Counts Time (System and GPS) Raw Global Positioning System (GPS) data Magnetic compensation parameters (fluxgate mag.)
Base Station Record:	Ambient Total Field Magnetics Raw Global Positioning System (GPS) data Time (System and GPS)

5. AIRCRAFT AND EQUIPMENT

5.1 AIRCRAFT

The aircraft used was a Bell 206 B3 helicopter (C-GMPS) equipped with a Cesium magnetometer mounted in a fixed stinger assembly and RS-500 airborne spectrometer mounted in the storage compartment. The aviation company providing the aircraft service was Northern Air Support based in Kelowna, BC, Canada.

5.2 AIRBORNE GEOPHYSICAL SYSTEM

5.2.1 MAGNETOMETER

One Scintrex CS-3 optically pumped Cesium split beam sensor was mounted in a fixed stinger assembly. The magnetometer's Larmor frequency output was processed by a KMAG-4 magnetometer counter, which provides a resolution of 0.15 ppm (in a magnetic field of 50,000 nT, resolution equivalent to 0.0075 nT). The raw magnetic data was recorded at 50 Hz, anti-aliased with 51 point COSINE filter and resampled at 10 Hz .

5.2.2 MAGNETIC COMPENSATION

The proximity of the aircraft to the magnetic sensor creates a measurable anomalous response as a result of the aircrafts movement. The orientation of the aircraft with respect to the sensor and the motion of the aircraft through the earth's magnetic field are contributing factors to the strength of this response. A special calibration flight, Figure of Merit (i.e., FOM), was flown to record the information necessary to compensate for these effects.

The FOM maneuvers consist of a series of calibration lines flown at high altitude to gain information in each of the required line directions. During this procedure, pitch, roll and yaw maneuvers are performed on the aircraft (typical angle ranges are 10^o pitch, 10^o roll, and 10^o yaw). Each variation is conducted three times in succession (first pitch, then roll, then yaw), providing a complete picture of the aircraft's effects at designated headings in all orientations.

A three-axis Bartington fluxgate magnetometer (recorded at 50 Hz) was used to measure the orientation and rates of change of the magnetic field of the aircraft, away from localized terrestrial magnetic anomalies. The QC Tools digital compensation algorithm was then applied to generate a correction factor to compensate for permanent, induced, and eddy current magnetic responses generated by the aircrafts movements.

5.2.3 GPS NAVIGATION

A U-BLOX RCB-LJ sixteen channel GPS receiver, which is an integral component of the iNAV V3 computer system, was used to run the flight control system and provide precise positioning of the aircraft.

5.2.4 ALTIMETER

A TRA 3500 radar altimeter was mounted inside the stinger. This instrument operates with a linear performance over the range of 0 to 2,500 feet and records the terrain clearance of the sensors. The raw radar altimeter data was recorded at 50 Hz, anti-aliased with a 21 point COSINE filter and re-sampled at 10 Hz.

5.2.5 GEOPHYSICAL FLIGHT CONTROL SYSTEM

New-Sense's iNAV V3 geophysical flight control system monitored and recorded magnetometer, spectrometer, altimeter, and GPS equipment performance. Input from the various sensors was monitored every 0.005 seconds for the precise coordination of geophysical and positional measurements. The input was recorded fifty times per second (one time per second in the case of GPS and radiometric data).

GPS positional coordinates and terrain clearance were presented to the pilot by means of a panel mounted indicator display. The magnetometer response, forth difference, altimeter profile and profiles of the radiometric windows were also available on the touch screen display, for real-time monitoring of equipment performance.

5.2.6 SPECTROMETER

The RS-500 Airborne Spectrometer with RSX-5 detector pack, manufactured by Radiation Solutions Inc. (RSI), was used for the survey. The RS-500 spectrometer has a multi-peak gain stabilization algorithm and is capable of recording 1024 channels with accuracy of 0.1 to 10 counts/second.

The RS-500 is connected to a crystal pack comprising four downward looking crystals (16 liters total) and one upward looking crystal (4 liters total). The downward crystals record the radiometric spectrum from 410 KeV to 2810 KeV over 1024 discrete energy windows, as well as from a cosmic ray channel that detects photons with energy levels above 3.0 MeV. From these 1024 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for atmospheric Radon interference. The shock-protected Sodium Iodide (Thallium) crystal package is unheated and automatically stabilizes with respect to the multiple peaks. The RS-500 provides raw data that has been automatically corrected for gain, base level, ADC offset, and dead time.

5.2.7 IDAS DIGITAL RECORDING

The output of the CS-3 magnetometer, fluxgate magnetometer, altimeter, temperature, pressure, GPS coordinates, and time (system and GPS), were recorded digitally on a Compact Flash drive at a sample rate of fifty times per second (one time per second for GPS) by the iNAV V3 system.

5.2.8 PRESSURE AND TEMPERATURE

A Honeywell Precision Pressure Transducer, model PPT0020AWN2VA-A, was used to record the ambient pressure and temperature during the survey. The device was mounted within the helicopter stinger. The pressure and temperature output units were mbar and degrees Celsius respectively.

5.2.9 SPECTROMETER DIGITAL RECORDING

The output of the RS-500 spectrometer, GPS coordinates, and time (UTC), were recorded digitally on an internal RS-500 flash drive at a sample rate of 1 Hz. After each flight the data were copied and synchronized using UTC clock with the iDAS digital records.

5.3 GROUND MONITORING SYSTEM

5.3.1 BASE STATION MAGNETOMETER

A Scintrex CS-3 optically pumped cesium split beam sensor was used at the base of operations within the airport boundaries, in an area of low magnetic gradient and low/free from cultural electric & magnetic noise sources. The sensitivity and absolute accuracy of the ground magnetometer is +/- 0.01 nT. Data was recorded continuously at least every one second throughout all survey operations in digital form on a TC-10 data acquisition system. Both the ground and airborne magnetic readings were synchronized based on the GPS clock.

5.3.2 RECORDING

The output of the magnetic and GPS monitors was recorded digitally on a dedicated TC-10 computer. A visual record of the last three hours was graphically maintained on the computer screen to provide an up to date appraisal of magnetic activity. At the conclusion of each production flight raw GPS and magnetic data were transferred to the main field compilation computer.

5.4 FIELD COMPILATION SYSTEM

A field laptop computer was used for field data processing and presentation. The raw data was imported to Geosoft Oasis montaj for QA/QC and processing purposes. After the data was checked for quality control, the database with uncompensated magnetic readings was exported to QC Tools software package for magnetic compensation and base station data merging purposes. The compensated database was then imported back to Oasis for the subsequent and final processing.

6. PRE-SURVEY SPECTROMETER CALIBRATIONS

Calibrations, and testing of the RS-500 (SN 5516) airborne gamma-ray spectrometry system were carried out on July 20^{th} and 21^{st}, 2011 in the vicinity of the survey area. The installed equipment and configurations were selected to conform to the contracts technical specifications.

Calibration of the spectrometer system is a vital process to airborne gamma-ray spectrometry. The calibration of the spectrometer system involved three tests:

- **Calibration Pad** measurements, which are used to determine the "spectral overlap" (Compton scattering) coefficients. The calibration test was performed within a 12 month period before the survey by the manufacturer (Radiation Solutions Inc.), at its headquarters location in Mississauga, Ontario.

- **Cosmic Flight Test**, which is used to determine cosmic coefficients and aircraft background noise, was conducted on July 20^{th}, 2011.

- **Height Attenuation Test**, which determined the altitude attenuation coefficients, was conducted on July 21^{st}, 2011.

6.1 ENERGY WINDOWS

The airborne radiometric technique requires measurement of count rates for specific energy regions or windows in the natural gamma-ray spectrum. The standard energy regions (in accordance with the International Atomic Energy Agency (IAEA) 323), and their corresponding channel limits are:

Table 6.1 Downward spectrometer energy windows

Designation	Energy Limit (keV)		Channel Limit (inclusive)	
			Unit Values	
	Lower	Upper	Lower	Upper
Total Count (TC)	410	2810	137	937
K	1370	1570	457	523
U	1660	1860	553	620
Th	2410	2810	803	937
U (upward)	1660	1860	553	620
Cosmic	3200	infinity		

6.2 CALIBRATION PAD TEST

The Compton stripping coefficients as provided by RSI are listed below:

Table 6.2 Compton stripping coefficients

Stripping Ratios	Spectrometer (SN 5516)	"normal" values
Th into U (alpha = a23/a33)	0.271	0.250
Th into K (beta = a13/a33)	0.399	0.400
U into K (gamma = a12/a22)	0.752	0.810
U into Th (a = a32/a22)	0.046	0.060
K into Th (b = a31/a11)	0	0
K into U (g = a21/a11)	0	0.003

6.3 COSMIC FLIGHT TEST

In each of the spectral windows, the radiation increases exponentially with height due to radiation of cosmic origin. As well, the aircraft itself contributes a constant background to the count rate. By completing a series of flights within the same region, over a range of altitudes, these background contributions can be determined.

6.3.1 SETUP AND MEASUREMENT PROCEDURE

1. A resolution check was completed at the aircraft base prior to the cosmic test to insure the sensitivity and accuracy of the spectrometer.
2. Once the aircraft reached the desired altitude (first at ~9,200 feet), survey data were recorded for approximately ten minutes.
3. Step 2 was then repeated at the following remaining altitudes: ~10,300, 11,300 and 12,300 feet above sea level (see table 6.3).

Table 6.3 Cosmic Test data

	Cosmic Test Flight Data (average counts)					
Altitude (ft)	Cosmic	UU	K	U	Th	TC
9236	217	4	23	14	14	318
10293	256	4	26	15	16	358
11316	297	5	29	19	20	412
12279	344	6	32	21	23	463

6.3.2 RESULTS FROM COSMIC FLIGHT TEST

At each altitude, the raw data for the five windows of interest (Th, K, U, TC, and U upward) were evaluated for quality. The mean values were then extracted and plotted against the cosmic background window (see Appendix A). The result is a linear trend, where the slope and intercept represent the cosmic stripping ratio and the aircraft background respectively. The results from the graphs are summarized below.

Table 6.4 Cosmic and aircraft background coefficients

Cosmic Flight Test Result		
Element	Cosmic	Aircraft Background
K	0.071	7.7387
U	0.0592	0.751
Th	0.0735	0
TC	1.1587	65.06
UU	0.0168	0.0828

6.4 ALTITUDE ATTENUATION TEST

The height attenuation of the spectrometer systems was calculated by flying a series of passes across a line over flat ground with uniform radioelement ground concentration. The test range was flown by acquiring data on a series of seven passes over a set path, at the following altitudes: 50, 100, 150, 200, 300, 500, 700, and 1000 feet above ground.

6.4.1 RESULTS FROM ALTITUDE ATTENUATION TEST

The airborne data from the altitude attenuation test was checked for quality, edited and divided into lines, where each line represents a pass. The radiometric windows were then corrected for background (aircraft and cosmic) and stripped of Compton contributions. After averaging the data for each line, the four windows of interest (K, U, Th, and Total Count) were plotted against the altimeter in order to obtain the height attenuation. The results were obtained using an exponential regression, where the slope represents the attenuation coefficient and the ‘y’ intercept represents the counts at 0 feet (see Tables 6.7-6.8 and Appendix A).

Table 6.5 Height Attenuation coefficients

Element	Altitude attenuation coefficients
K	-0.014
U	-0.007
Th	-0.009
TC	-0.009

6.5 RADON HOVER TEST

On all survey flights one radon normalization test was flown before or after data collection.

The test consisted of the helicopter hovering over a designated test area at nominal survey altitude once per flight. The tests consisted of the pilot being guided using the iDAS navigation system, at fixed speed, and for approximately 5 min to allow for adequate statistics to be collected.

Since no noticeable radon fluctuations were observed on any of the flights, no radon corrections corrections were applied to the data set.

6.6 RADIOELEMENT GROUND CONCENTRATIONS AND SYSTEM SENSITIVITIES

The radiometric ground concentrations were measured using a calibrated portable spectrometer (RSI-125) during the same time as the airborne altitude attenuation flights took place (i.e., July 21st, 2011). The sensor was positioned one meter above the soil and away from the operators' body in the vicinity of altitude attenuation test strip. Fourteen 300-second measurements were taken over the length of the calibration range.

The resulting mean radiometric equivalent ground concentrations for the calibration range on were as follows:

Table 6.8 Ground concentrations

Radio Element	Ground Concentration	
Potassium	0.9	%
Equivalent Uranium	1.86	ppm
Equivalent Thorium	5.28	ppm
Total	35.98	nGy/h

Using these ground concentrations and the altitude attenuation calibration flight data, the System Sensitivities were obtained:

$$S = N/C$$

Where:

- S is the sensitivity for each window
- N is the striped count rate in the window at the survey altitude (i.e, 30m)
- C is the respective ground radioelement concentration.

With the following results:

Table 6.9 Sensitivities @ 30m from

	Sensitivities @ 30m
K	89.34 $cps/(\%)$
U	6.43 $cps/(ppm)$
Th	3.98 $cps/(ppm)$
TC	22.78 $cps/(nGy/h)$

Note: Determining of radioelement ground concentrations and system sensitivities were not part of the singed agreement. Such data are made available to the client as a courtesy.

7. OPERATIONS AND PROCEDURES

7.1 FLIGHT PLANNING AND FLIGHT PATH

The block outline coordinates (section 2.0) were used to generate pre-calculated navigation files. The navigation files were used to plan flights at the designated traverse line spacing of 100 meters and control lines of 1000.

Preliminary flight path maps and magnetic maps were plotted and updated, to monitor coverage of the survey area.

7.2 BASE STATION

The magnetic base station was established in magnetically quiet area at the camp site at latitude: 62.118220; Longitude: -137.250146.

The base station readings were monitored to ensure that the diurnal variation were within the peak-to-peak envelope of 20 nT from a long chord distance equivalent to a period of two minutes.

7.3 AIRBORNE MAGNETOMETERS

The FOM test of the performance of the CS-3 and fluxgate magnetometers was performed on July 20th, 2011 in order to monitor the ability of the system to remove the effects of aircraft motion on the magnetic measurement.

The FOM maneuvers consisted of a series of calibration lines flown at high altitude (10,000+ ft above sea level) to gain information in each of the required line directions. During this procedure, pitch, roll, and yaw maneuvers were performed on the aircraft.

The following ranges were used:

Pitch: 10-15^{o}
Roll: 10-15^{o}
Yaw: 10-15^{o}

The total FOM noise was 1.26nT with an envelope of 0.18nT (Appendix B).

7.4 THORIUM RESOLUTION TESTS

In order to monitor the resolution of the crystal pack, a twice-daily a resolution test of the spectrometer was performed in RadAssist (RSX-5 spectrometer interface program) using ~2000 thorium background counts per crystal.

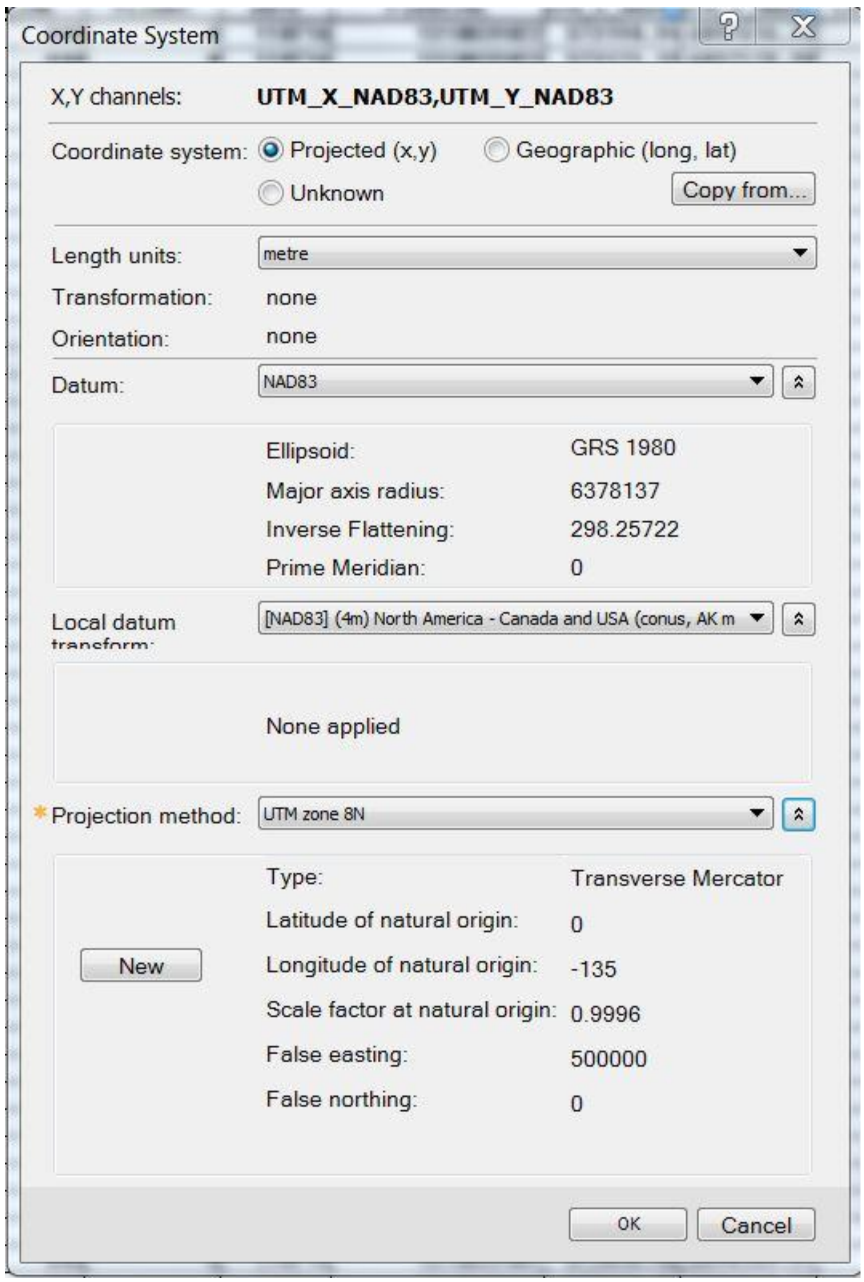
The results from the resolution tests were always found to be within the contract specifications (see Appendix D for the daily test results).

7.5 DATA COMPILATION

Data recorded by the airborne and base station systems was transferred to the field compilation system. As each flight was completed, the following compilation operations were carried out:

7.5.1 FLIGHT PATH CORRECTIONS

The navigational correction process yields a flight path expressed in WGS84, World and transformed to correspond to NAD83, North America – Canada and USA.



All 1.0 Hz GPS records were linearly interpolated and resampled at 10 Hz (0.1 sec) intervals.

7.5.2 MAGNETIC CORRECTIONS

7.5.2.1 FILTERING AND COMPENSATION

The raw 50Hz magnetic data were filtered, along with the fluxgate magnetometer data, with a 51 cosine anti-aliasing algorithm and re-sampled at 10 Hz.

The filtered and re-sampled data were stored in the MAG_FILT channel.

Then the MAG_FILT data were compensated for permanent, induced, and eddy current magnetic noise generated by the aircraft using data from the fluxgate magnetometer error (see Appendix B).

The compensated magnetic data were then stored in the MAG_COMP channel.

7.5.2.2 DIURNAL CORRECTIONS

The compensated magnetic data were adjusted to account for diurnal variations. When the magnetic variations recorded at the base station recognized to be caused by man-made sources, (such as equipment, vehicles passing by the sensor), they were removed and gaps interpolated.

The diurnal data were recorded at 1Hz and filtered with a 31-point low pass filter. The filtered data were then subtracted directly from the aeromagnetic measurements to provide a first order diurnal correction.

After base station removal, the total magnetic field values become very small. To bring the total magnetic measurements back to ‘normal’ values, project averages (i.e., BBB: 57,309.73 nT; Dade: 57,304.79) from the base station readings were added back to the magnetic data.

The resulting base station corrected data were stored in the MAG_DIURNAL_CORR channel.

7.5.2.3 HEADING CORRECTIONS

Optically pumped magnetic sensors have an inherent heading error, typically 1 to 2 nT peak-to-peak, as the sensor is rotated through 360 degrees. On flight line directions of the opposite heading, the affect is reasonably predictable.

<u>BBB block:</u>

The BBB block did not have visible systematic heading error. For that reason no heading corrections were applied to that block.

<u>Dade block:</u>

A heading test flight was flown at magnetically quite area at 10,000+ ft above sea level altitude, with the following results:

Table 7.1 Heading Test flight results

<table>
<tr><th>Direction (deg.)</th><th>Mean on line (nT)</th><th>Mean in direction (nT)</th><th>Mean on heading (nT)</th><th>Error (nT)</th></tr>
<tr><td>45</td><td>57109.4</td><td rowspan="2">57108.29</td><td rowspan="4">57107.69</td><td rowspan="2">-0.6</td></tr>
<tr><td>45</td><td>57107.17</td></tr>
<tr><td>225</td><td>57106.58</td><td rowspan="2">57107.09</td><td rowspan="2">0.6</td></tr>
<tr><td>225</td><td>57107.59</td></tr>
<tr><td>135</td><td>57092.96</td><td rowspan="2">57093.92</td><td rowspan="4">57095.38</td><td rowspan="2">1.46</td></tr>
<tr><td>135</td><td>57094.88</td></tr>
<tr><td>315</td><td>57098.21</td><td rowspan="2">57096.83</td><td rowspan="2">-1.46</td></tr>
<tr><td>315</td><td>57095.45</td></tr>
<tr><td>360</td><td colspan="3">interpolated heading error for true north</td><td>-1</td></tr>
</table>

The following heading corrections were applied to the data set:

```
/ Geosoft Heading Correction Table
/=   Direction:real:i
/=   Correction:real
/      Direction   Correction
      45    -0.6
      135     1.46
      225    0.6
```

315	-1.46
360	-1

The output of the heading corrected data were stored in MAG_HEADING_CORR channel.

7.5.2.4 LAG CORRECTIONS

There are two potential types of Lag offsets when collecting airborne data: time lag and distance lag.

NSG insures that there is no time lag in the data acquisition system by recording unique markers every 1-second based on the GPS time stamp (associated with the EXACT change in GPS positioning). This information is used to realign (if necessary) the individual data records.

The distance lag is determined by dividing the distance from the GPS antenna to the sensor head by the averaged sample rate distance.

<u>BBB block:</u>

5.3 / 3.9 = 1.36 records

A lag correction of -1 records was applied to the MAG_DIURNAL_CORR channel and stored in the MAG_LAG_CORR channel.

<u>Dade block:</u>

5.3 / 3.1 = 1.71 records

A lag correction of -2 records was applied to the MAG_HEADING_CORR channel for and stored in the MAG_LAG_CORR channel.

7.5.2.5 IGRF CORRECTIONS

The total field strength of the International Geomagnetic Reference Field (IGRF, 2010 model) was calculated for every data point, based on the spot values of Latitude, Longitude and altitude. This IGRF was removed from the measured survey data on a point-by-point basis from the lag corrected channel.

After IGRF correction the total magnetic field values become negative. To bring the total magnetic measurements back to ‘normal’ values an average (i.e., BBB: 57,848.05nT; Dade: 57,265.12nT) of IGRF values based on the whole project were added back to the magnetic data.

The IGRF corrections were applied to the MAG_LAG_CORR channel and stored in the MAG_IGRF_CORR channel.

7.5.2.6 LEVELING CORRECTIONS

After the data were corrected for IGRF, a survey traverse/control line intercepts array/matrix (i.e., Simple Leveling) was created for determining differences in magnetic field at the intersection points. The somewhat rugged terrain of the survey blocks, resulted in some line-to-line difference in altitude, and relatively strong magnetic anomalies made magnetic signal at some Traverse/Control line intersection points quite different. As a result, some of those intersection points needed to be manually adjusted in order to reduce line-to-line magnetic differences.

The resulting simple leveled magnetic data were stored in MAG_SMPL_LVL channel.

Further it was decided to apply microlevelling techniques to the conventionally leveled magnetic data (see Appendix F for full description of the procedure).

The following key parameters were used:

Table 7.2 Magnetic data microlevelling parameters

Block Name	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
BBB BK	100	29	20	400	13.7	clip	200
Dade BK	100	135	20	400	35	clip	0

The resulting microleveled magnetic data were stored in the TMI_FINAL channel.

7.5.3 VERTICAL DERIVATIVE

A 1-st Order Vertical Derivative (VDV) dataset was calculated using 2D FFT2 algorithm based on final TMI grids. The resulting VDV grids were sampled back to the databases.

The VDV data were stored in the VDV channel.

7.5.4 DIGITAL TERRAIN MODEL (DTM)

The DTM data was produced by first adjusting the GPS sensor height to that of the radar altimeter height (lowering GPS height by 2.1m). Next the radar altimeter channel (in meters) was subtracted from the GPS height data producing a raw DTM channel. Due to changing satellite positions (constellation configuration) and varying atmospheric conditions, the receiver may measure slightly varying GPS heights line-to-line. In addition, due to rugged topography, the radar altimeter measures inaccurately when the helicopter is pitched forward position (example: approach a steep hill), as the radar beam would be directed away or down the slope. Because of these inherent errors, the raw DTM channel required leveling.

It was decided to apply a microlevelling technique to the raw DTM data, developed by Paterson, Grant & Watson Limited and available through Geosoft Oasis montaj as miclev.GX extension (see Appendix F for full description of the procedure).

The following key microlevelling parameters were used:

Table 7.3 DTM data microlevelling parameters

Block Name	Line Spa cing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
BBB BK	100	29	20	400	15	clip	0
Dade BK	100	135	20	400	15	clip	0

The final DTM data were stored in the DTM channel name.

7.5.5 GRIDDING

The final TMI, VDV, and DTM grids were produced from the TMI_FINAL, VDV, and DTM channels respectively.

The data were gridded using a bi-directional line gridding method with a grid cell size of 20 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions (i.e., 45^0).

7.5.6 RADIOMETRIC DATA CORRECTIONS

7.5.6.1 LIVE TIME CORRECTIONS

The spectrometer uses the notion of "live time" to express the relative period of time the instrument was able to register new pulses per sample interval.

The live time correction is applied to the total count, potassium, uranium, thorium and upward uranium channels.

The formula used to apply the correction is as follows:

$$C_{LT} = C_{raw} \times \left(\frac{1000}{LT} \right)$$

Where:

- C_{LT} is the live time corrected channel
- C_{raw} is the raw channel
- LT is the Live Time channel

7.5.6.2 PRE-FILTERING

The cosmic channel data were processed with a 15-point low pass filter to remove spikes.

The radar altimeter channel while recorded at 50Hz was filtered with 21-point COSINE filter and then sampled to 1Hz.

7.5.6.3 AIRCRAFT AND COSMIC BACKGROUND

Aircraft background and cosmic stripping corrections (see section 6.3.2) were applied to the live corrected total count, potassium, uranium, thorium and upward uranium channels using the following formula:

$$C_{ac} = C_{LT} - (ac + bc \times cof)$$

Where:

- C_{ac} is the background and cosmic corrected channel
- C_{LT} is the live time corrected channel
- ac is the aircraft background for this channel
- bc is the cosmic stripping coefficient for this channel
- cof is the filtered cosmic channel

All negative counts after this correction step were replaced with zeroes.

7.5.6.4 RADON CORRECTION

No Radon corrections were applied to the data.

7.5.6.5 COMPTON STRIPPING

Following the cosmic and background corrections the potassium, uranium and thorium were corrected for spectral overlap (see section 6.2). First the stripping ratios α, β, and χ were modified according to altitude. Then an adjustment factor based on the reversed stripping ratio (a), uranium into thorium, was calculated.

$$\alpha h = \alpha + hef \times 0.00049$$
$$\beta h = \beta + hef \times 0.00065$$
$$\chi h = \chi + hef \times 0.00069$$

Where:

- α, β, χ are the Compton stripping coefficients
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- hef is the height above ground in meters

The stripping corrections are then carried out using the following formulas:

$$ar = \frac{1}{1 - a\alpha h}$$

$$Th_c = (Th_{bc} - aU_{rc}) \times ar$$

$$U_c = (U_{rc} - Th_{bc}\alpha h) \times ar$$

$$K_c = K_{bc} - \beta h Th_c - \chi h U_c$$

Where:

- U_c, Th_c, and K_c are corrected Uranium, Thorium and Potassium
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- U_{bc}, Th_{bc}, and K_{bc} are background and cosmic corrected Uranium, Thorium and Potassium
- ar is the backscatter correction
- a is the reverse stripping ratio U into Th

All negative counts after this correction step were replaced with zeroes.

7.5.6.6 EQUIVALENT HEIGHT AT STP

The following formula was used to calculate Equivalent Height at STP:

$$H_e = H \times \left(\frac{273.15}{T + 273.15} \right) \times \left(\frac{P}{1013.25} \right)$$

Where:

- H is the observed height
- H_e is the equivalent height at STP
- T is the temperature in degrees Celsius
- P is the barometric pressure in mbar.

7.5.6.7 HEIGHT ATTENUATION CORRECTIONS

The Total Count, Potassium, Uranium and Thorium data were then corrected to a nominal survey altitude of 35m (see section 6.4.1) using the following equation:

$$C_a = C \times e^{-\mu(h_0 - h_e)}$$

Where:

- C_a is the output altitude corrected channel
- C is the input channel
- μ is the attenuation correction for that channel
- h_e is the STP height
- h_0 is the nominal survey altitude

The altitude attenuation corrected data were then stored in U_CORR, Th_CORR, K_CORR and TC_CORR channels.

7.5.6.8 LEVELING OF HEIGHT ATTENUATION CORRECTED DATA

The resulting height attenuation corrected data were further microleveled using the following key parameters (see Appendix F for full description of the procedure).

Table 7.4 BBB block radioelement microlevelling parameters

Radioelement	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
U	100	29	20	400	3	Clip	100
K	100	29	20	400	8	Clip	100
Th	100	29	20	400	3	Clip	100
TC	100	29	20	400	62	Clip	100

Table 7.5 Dade block radioelement microlevelling parameters

Radioelement	Line Spacing (m)	Line Direction (deg.)	Grid Cell Size (m)	Decorrugation Cutoff (m)	Amplitude Limit (nT)	Amplitude Limit Mode	Naudy Filter Limit
U	100	135	20	400	3	Clip	100
K	100	135	20	400	11	Clip	100
Th	100	135	20	400	3	Clip	100
TC	100	135	20	400	74	Clip	100

The resulting microleveled altitude attenuation corrected line data were then stored in the final U_FINAL, K_FINAL, Th_FINAL and TC_FINAL channels.

Note: in the instances where no microlevelling was applied (i.e., all of the control lines), the data in the final channels were copied directly from U_ CORR, Th_ CORR, K _CORR and TC _CORR.

7.5.6.9 CONVERSION TO APPARENT RADIOELEMENT CONCENTRATIONS

The next step is to convert the corrected potassium (K_FINAL channel), uranium (U_FINAL channel) and thorium (Th_FINAL channel) to apparent radioelement concentrations (see section 6.6) using the following formula:

$$eE = C_{cor} / s$$

Where:

- eE is the element concentration $K_{\%}$ and equivalent element concentration of U_{ppm} & Th_{ppm}
- s is the experimentally determined sensitivity
- C_{cor} is the fully corrected channel

The resulting apparent concentration data were stored in K_Percent, eU and eTh channels.

Note 1: experimentally determined sensitivities (Table 6.9, Section 6.6) were used when calculating the above apparent radioelement concentrations. These channels were used in producing of the corresponding grids.

Note 2: determining of apparent radioelement concentrations were not part of the singed agreement. Such data are made available to the client as a courtesy.

7.5.6.10 AIR ABSORPTION DOSE RATE

Finally the natural air absorption dose rate was determined using the following formula:

$$E = 13.078 \times K_{\%} + 5.675 \times eU_{ppm} + 2.494 \times eTh_{ppm}$$

Where:

- E is the air absorption rate (nGy/h)
- $K_{\%}$ is the concentration of potassium (%)
- eU_{ppm} is the equivalent concentration of potassium (ppm)
- eTh_{ppm} is the equivalent concentration of potassium (ppm)

The resulting natural air absorption rate data were stored in E channel.

Note 1: K_percent, eU and eTh channels (Section 7.5.5.9) were used when calculating the above air absorption rate. This channel was used in producing of the corresponding grid.

Note 2: Determining of the absorption rate was not part of the singed agreement. Such data are made available to the client as a courtesy.

A detailed description of how most of the procedures, formulae and constants were determined could be found in:

I.A.E.A. *Report, Airborne Gamma Ray Spectrometer Surveying*, Technical Report Series No. 323, 1991.
and

I.A.E.A *Guidelines for Radioelement Mapping Using Gamma Ray Spectrometry Data*, Technical Document No. 1363, 2003.

7.5.6.11 GRIDDING

The radiometric data were gridded from U_FINAL, Th_FINAL, K_FINAL and TC_FINAL channels (all in counts/sec) using a bi-directional line gridding method with a grid cell size of 30 meters, Akima interpolation method for across and down line spline and trend angles perpendicular to those of traverse line directions (i.e., 45^0).

7.5.6.12 TERNARY MAP

The radioelement ternary map was produced by creating individual grids for each of the three radioelements (potassium, thorium and uranium), then assigning a specific colour to each. Cyan represents thorium, yellow uranium, and magenta potassium. The relative concentrations of the radioelements are represented by the blends of the three colours.

8. MAP PRODUCTS AND DIGITAL DATA DELIVERABLES

The following is the list of items delivered to **Wolverine Minerals Corp..**

1) **Hard Copy Maps for BBB and Dade Blocks @ 1:20,000 scale (x2)**:

- Maps of Total Magnetic Intensity
- Maps of 1st order Vertical Derivative
- Maps of Digital Terrain Model
- Maps of Ternary Image (Th, U and K)
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count

2) **Hard Copy Logistics Report (x2)**:

3) **Digital Copy (DVD) Maps BBB and Dade Blocks @ 1:20,000 scale (x2)**:

- Maps of Total Magnetic Intensity
- Maps of 1st order Vertical Derivative
- Maps of Digital Terrain Model
- Maps of Ternary Image (Th, U and K)
- Maps of Potassium counts
- Maps of Thorium counts
- Maps of Uranium counts
- Maps of Total Count

4) **Digital Copy Grids (DVD) for BBB and Dade Blocks (x2)**:

- Grids of Total Magnetic Intensity (nT)
- Grids of 1st order Vertical Derivative (nT/m)
- Grids of Digital Terrain Model (m above MSL)
- Grids of Potassium (counts/sec)
- Grids of Thorium (counts/sec)
- Grids of Uranium (counts/sec)
- Grids of Total Count (counts/sec)

5) **Digital Copy (DVD) for BBB and Dade Blocks (x2)**:

- Magnetics data databases: MAGNETIC_*blockname*_BK.gdb (See Appendix C for details)
- Radiometric data database: RADIOMETRIC_*blockname*_BK.gdb (See Appendix C for details)

6) **Digital Copy (DVD) Logistics Report (x2)**

9. SUMMARY

This report describes the logistics of the survey, equipment used, field procedures, data acquisition and presentation of results.

The various maps included with this report display the magnetic and radiometric properties of the survey area. It is recommended that the survey results be reviewed in detail, in conjunction with all available geophysical, geological and geochemical information.

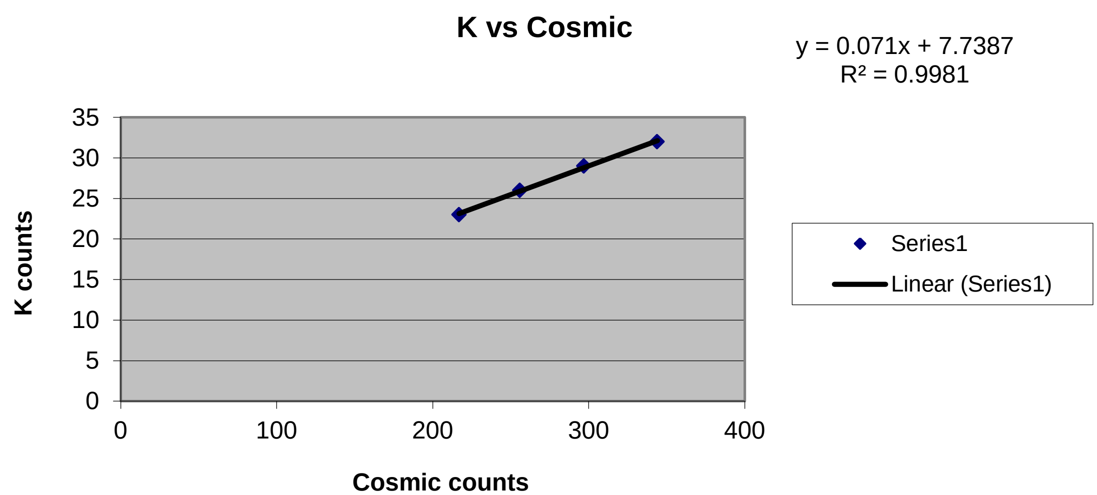
Further processing of the data may enhance subtle features that can be of importance for exploration purposes.

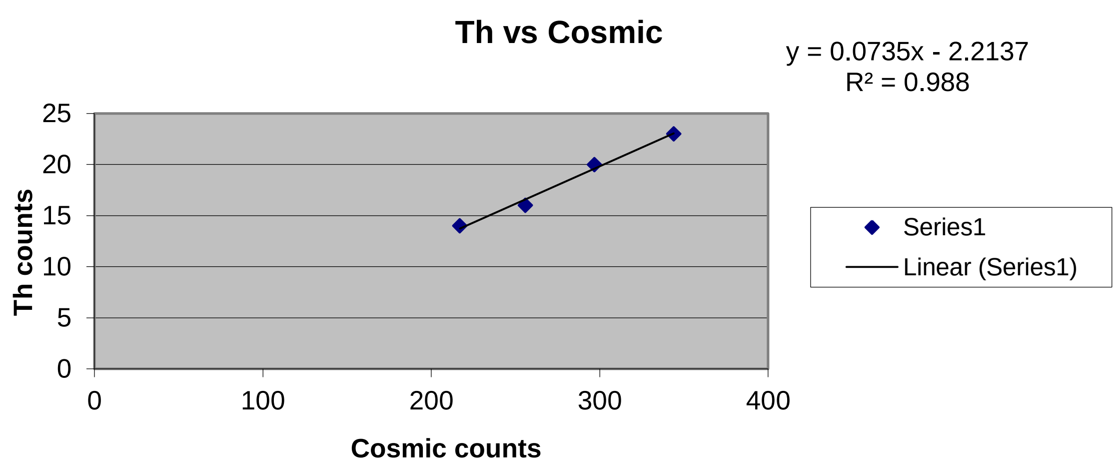
Respectfully submitted,

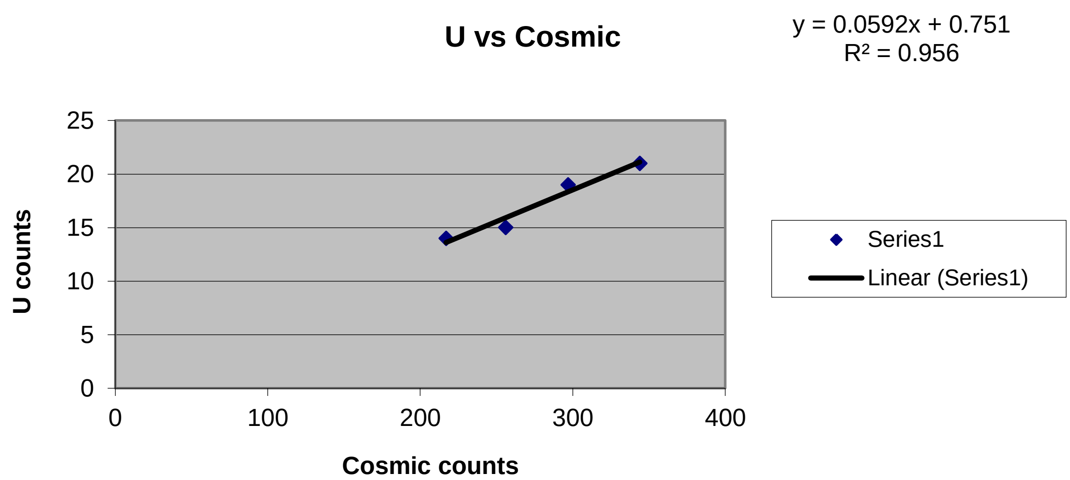
Andrei Yakovenko
New-Sense Geophysics Ltd.
Date: September 27th, 2011

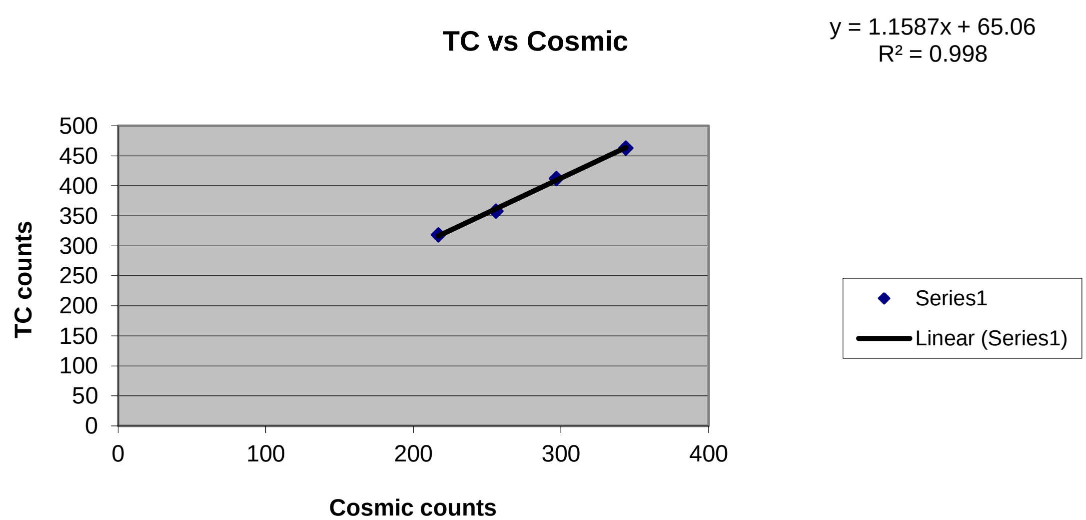
APPENDIX A: BACKGROUND, COSMIC AND ALTITUDE ATTENUATION TEST CHARTS

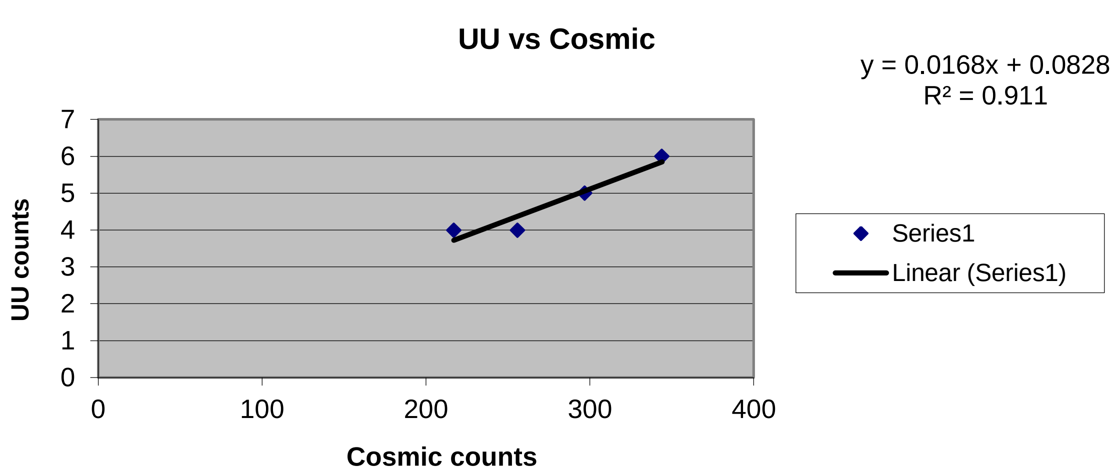
Background & Cosmic



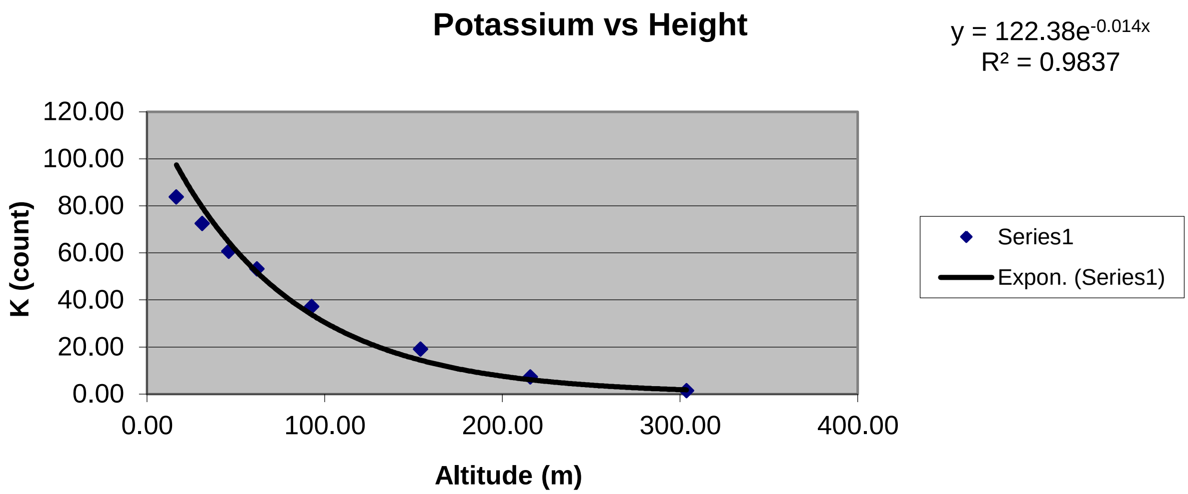


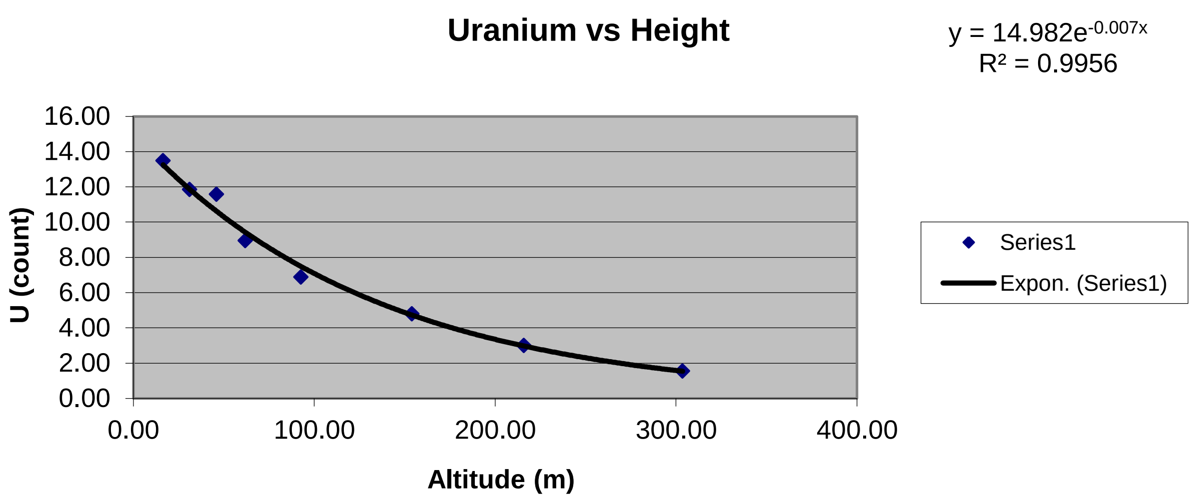

U vs Cosmic
y = 0.0592x + 0.751
R² = 0.956
25
20
15
10
5
0
0
100
200
300
400
U counts
Cosmic counts
Series1
Linear (Series1)

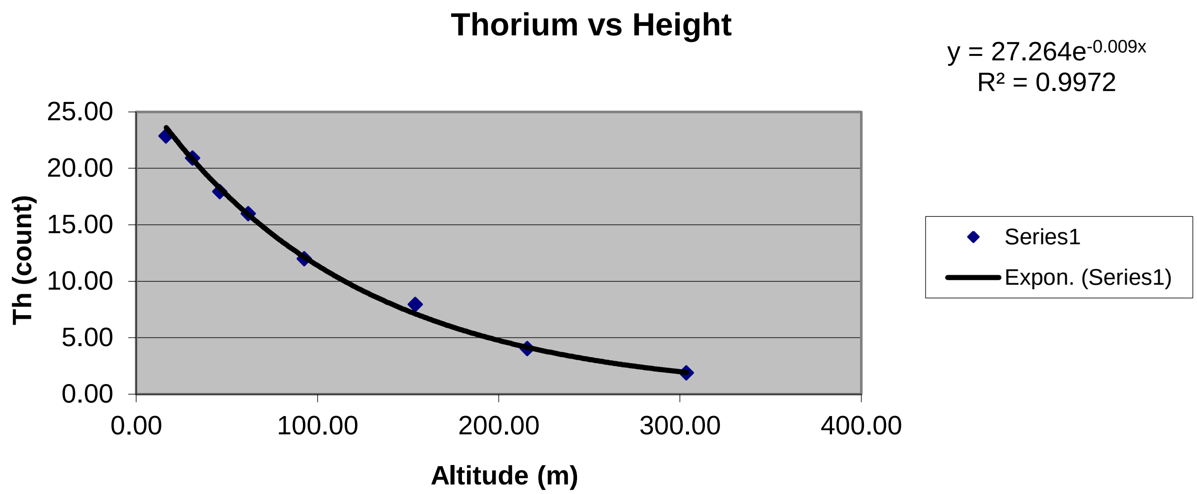

TC vs Cosmic
y = 1.1587x + 65.06
R² = 0.998
500
450
400
350
300
250
200
150
100
50
0
0
100
200
300
400
TC counts
Cosmic counts
Series1
Linear (Series1)

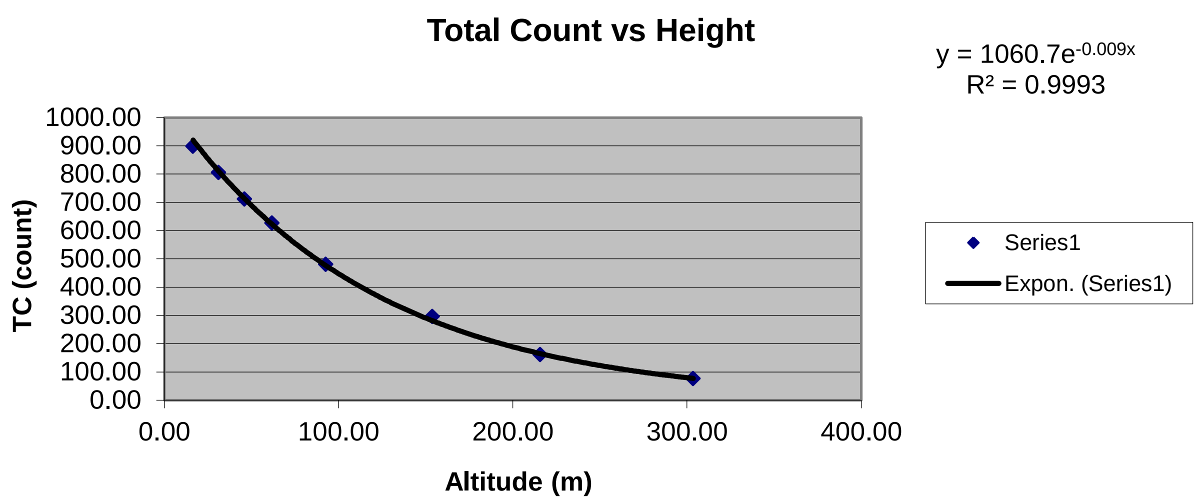

UU vs Cosmic
y = 0.0168x + 0.0828
R² = 0.911
7
6
5
4
3
2
1
0
0
100
200
300
400
UU counts
Cosmic counts
Series1
Linear (Series1)

Altitude Attenuation Test



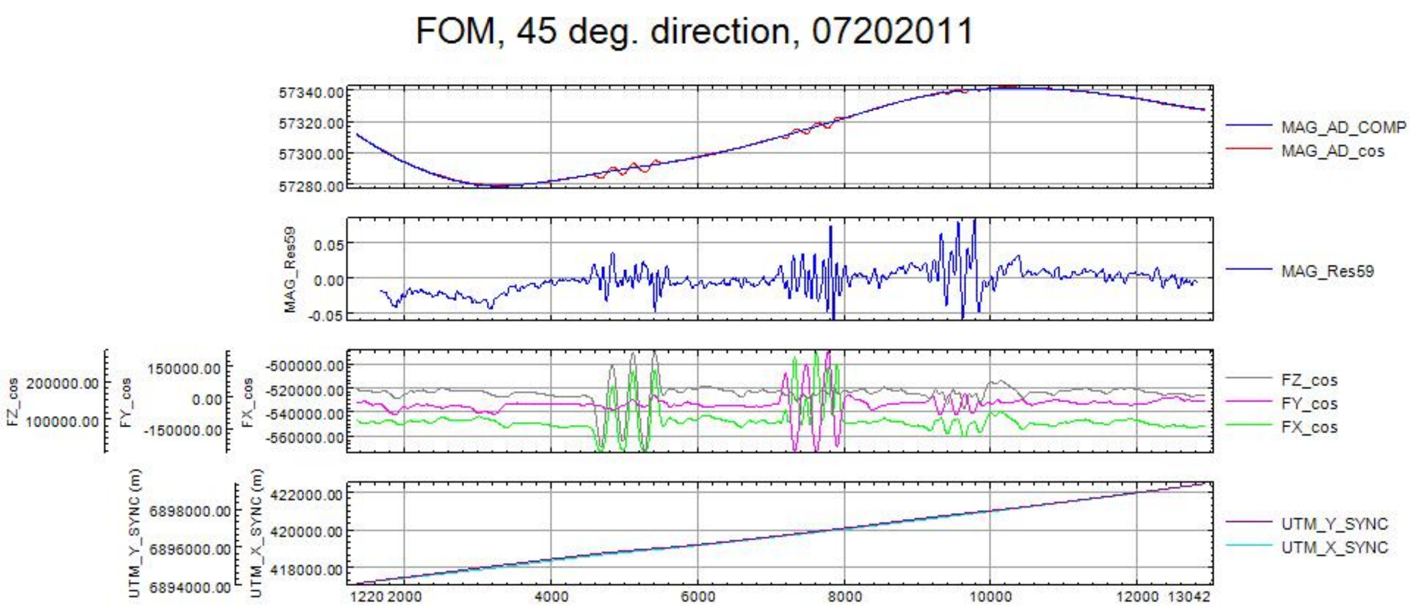



Thorium vs Height
y = 27.264e-0.009x
R² = 0.9972
25.00
20.00
15.00
10.00
5.00
0.00
Th (count)
0.00
100.00
200.00
300.00
400.00
Altitude (m)
Series1
Expon. (Series1)

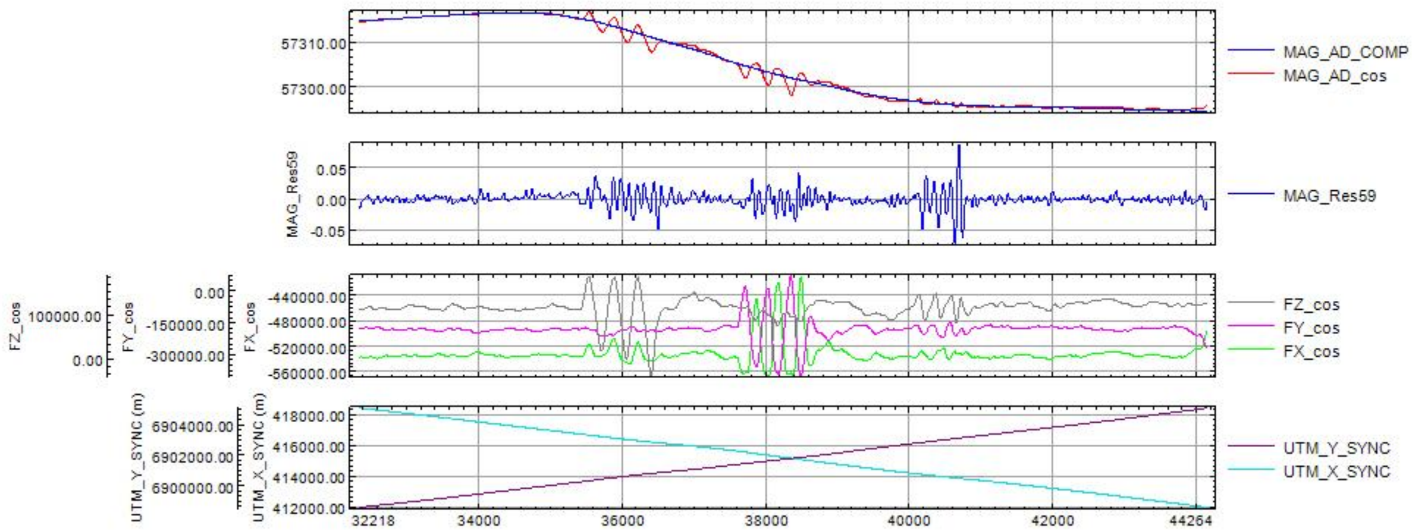

Total Count vs Height
y = 1060.7e-0.009x
R² = 0.9993
1000.00
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
TC (count)
0.00
100.00
200.00
300.00
400.00
Altitude (m)
Series1
Expon. (Series1)

APPENDIX B: FOM RESULTS

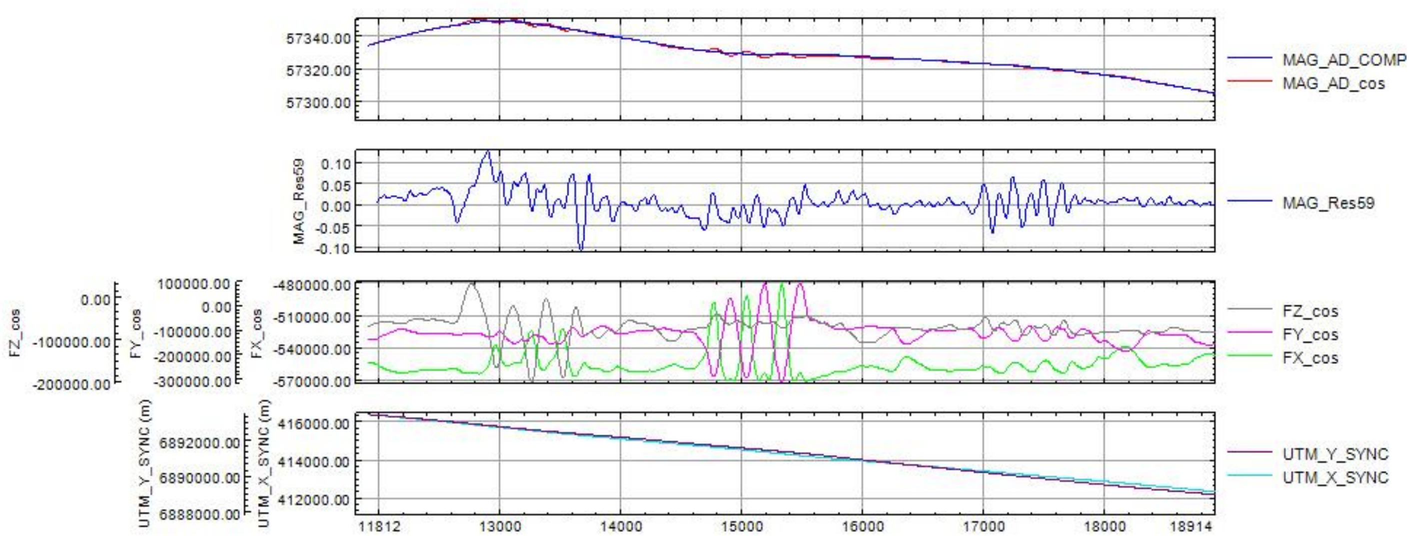
FOM July 20, 2011					
line	**direction**	**pitch**	**roll**	**yaw**	**total**
31	**315**	0.08	0.08	0.16	0.31
32	**135**	0.05	0.05	0.10	0.20
41	**225**	0.18	0.09	0.12	0.38
42	**45**	0.08	0.14	0.15	0.37
	total	0.38	0.36	0.53	**1.26**

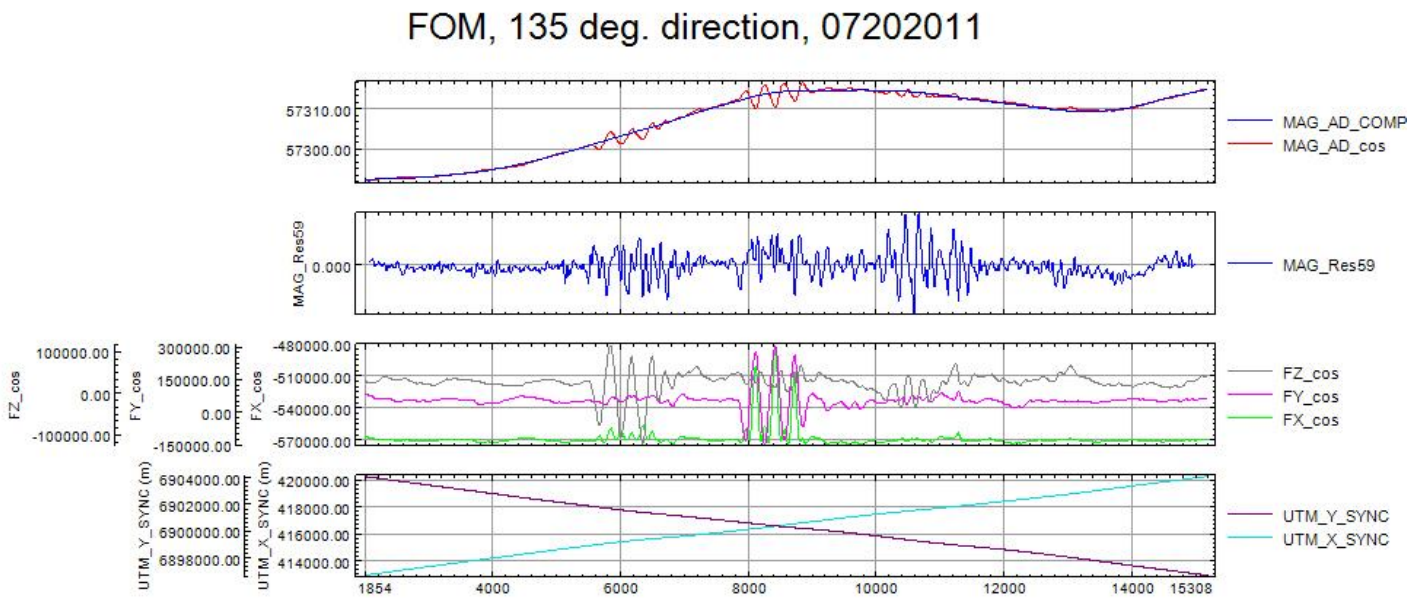


FOM, 315 deg. direction, 07202011



FOM, 225 deg. direction, 07202011





FOM, 135 deg. direction, 07202011
57310.00
57300.00
MAG_AD_COMP
MAG_AD_cos
MAG_Res59
0.000
MAG_Res59
FZ_cos
FY_cos
FX_cos
100000.00
0.00
-100000.00
300000.00
150000.00
0.00
-150000.00
-480000.00
-510000.00
-540000.00
-570000.00
FZ_cos
FY_cos
FX_cos
UTM_Y_SYNC (m)
UTM_X_SYNC (m)
6904000.00
6902000.00
6900000.00
6898000.00
420000.00
418000.00
416000.00
414000.00
UTM_Y_SYNC
UTM_X_SYNC
1854
4000
6000
8000
10000
12000
14000
15308

APPENDIX C: DATABASE DESCRIPTIONS

Magnetic Databases for BBB and Dade Blocks

Database Name: MAGNETIC_*blockname*_BK.gdb
Format: Geosoft .gdb
Number of Channels: 28

Note: If the database is opened in Oasis montaj, please load included "*Magnetic Database Channel Display.dbview*" file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line number
DATE	date	Date flown (YYMMDD)
FLIGHT	number	Flight number
FIDUCIAL	number	Fiducial count (flight specific)
SYSTEM_CLOCK	milsec	KANA8 (A/D converter) counter
UTM_X_NAD83	meters	NAD83 easting, North America, UTM Zone 8N
UTM_Y_NAD83	meters	NAD83 northing, North America, UTM Zone 8N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	decimal seconds	UTC daily second counter (0-86399)
FLUX_X	volts	Fluxgate x-axis
FLUX_Y	volts	Fluxgate y-axis
FLUX_Z	volts	Fluxgate z-axis
RAD_ALT_feet	feet	Radar altimeter, height above ground
MAG_RAW	nT	Raw magnetometer data
MAG_FILT	nT	Filtered raw magnetometer data
MAG_COMP	nT	Compensated magnetometer data
DIURNAL	nT	Base station magnetometer data
MAG_DIURNAL_CORR	nT	Base station (diurnal) corrected magnetometer data
MAG_HEADING_CORR	nT	Heading corrected magnetometer data
MAG_LAG_CORR	nT	Lag corrected magnetometer data
IGRF	nT	Calculated IGRF, using 2010 model
MAG_IGRF_CORR	nT	IGRF corrected magnetometer data
MAG_SMPL_LVL	nT	Conventionally (simple) leveled magnetometer data
TMI_FINAL	nT	Microleveled MAG_SMPL_LVL data
VDV	nT/m	1^{st} order Vertical Derivative (VDV)
DTM	m	Digital Terrain Model

Radiometric Databases for BBB and Dade Blocks

Database Name: RADIOMETRIC_*blockname*_BK.gdb
Format: Geosoft .gdb
Number of Channels: 35

Note: If the database is opened in Oasis montaj, please load included "*Radiometric Database Channel Display.dbview*" file to insure that ALL the channels are displayed in the same order as listed below (Database menu -> Get Saved View).

Channel Name	Units	Description
LINE	number	Line Number
FLIGHT	number	Flight Number
DATE	date	Date flown (YYMMDD)
FIDUCIAL	number	Fiducial count (line specific)
UTM_X_NAD83	meters	NAD83 easting, North America, UTM Zone 8N
UTM_Y_NAD83	meters	NAD83 northing, North America, UTM Zone 8N
LATITUDE_WGS84	degrees	GPS latitude, WGS 84, World
LONGITUDE_WGS84	degrees	GPS longitude, WGS 84, World
GPS_HEIGHT_WGS84	meters	GPS height (orthometric) above MSL, WGS 84, World
UTC_DAYSEC	seconds	UTC daily second counter (0-86399)
RAD_ALT_feet	feet	Radar altimeter, height above ground
PRESSURE	mbar	Ambient pressure output
TEMPERATURE	degrees C	Ambient temperature output
DOWN_LIVE_TIME	seconds	Live time channel
RAW_Potassium	counts/sec	Raw Potassium channel
RAW_Thorium	counts/sec	Raw Thorium channel
RAW_Uranium	counts/sec	Raw Uranium channel
RAW_TotCount	counts/sec	Raw Total Count channel
RAW_UpDet	counts/sec	Raw upward looking crystal Uranium channel
DOWN_COSMIC	counts/sec	Raw Cosmic channel from downward looking crystals
DOWN_SPECTRUM	counts/sec	1024 channel down spectrum
UP_SPECTRUM	counts/sec	1024 channel up spectrum
EQUIVALENT_HEIGHT_m	meters	Equivalent height above ground at STP
K_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Potassium counts
Th_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Thorium counts
U_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Uranium counts
TC_CORR	counts/sec	Live Time, Background, Cosmic, Compton Scattering and Altitude Attenuation corrected Total Count counts
K_FINAL	counts/sec	Final Potassium counts; microleveled K_CORR

Th_FINAL	counts/sec	Final Thorium counts; microleveled Th_CORR
U_FINAL	counts/sec	Final Uranium counts; microleveled U_CORR
TC_FINAL	counts/sec	Final Total Count counts; microleveled TC_CORR
K_Percent	%	Estimated concentrations of Potassium
eTh	ppm	Estimated equivalent concentrations of Thorium
eU	ppm	Estimated equivalent concentrations of Uranium
E	nGy/h	Natural air absorption Dose Rate

APPENDIX D: RSX-5 SPECTROMETER (SN 5516): DAILY RESOLUTION TESTS RESULTS

Executed 2011-07-13 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2004	2003	2010	2004	8019
LiveTime [s]	146.88	164.859	162.891	138.862	421.772	613.492
Gain	0.969482	0.986928	0.978896	0.94458	1.119781	-
Peak	870.53 (+/- 0.633)	872.28 (+/- 0.530)	870.54 (+/- 0.586)	869.45 (+/- 0.609)	868.92 (+/- 1.149)	870.94 (+/- 0.286)
FWHM	4.73 (+/- 1.761)	4.12 (+/- 1.390)	4.94 (+/- 1.503)	4.86 (+/- 1.631)	6.99 (+/- 3.371)	4.53 (+/- 0.755)

Executed 2011-07-13 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2005	2009	2006	2004	8021
LiveTime [s]	141.873	160.863	167.882	136.866	413.773	607.485
Gain	0.990274	1.01062	1.00541	0.969899	1.150168	-
Peak	873.00 (+/- 0.528)	872.92 (+/- 0.519)	871.69 (+/- 0.504)	872.00 (+/- 0.686)	869.83 (+/- 1.169)	872.49 (+/- 0.243)
FWHM	4.74 (+/- 1.408)	4.40 (+/- 1.387)	4.22 (+/- 1.365)	5.42 (+/- 1.802)	5.45 (+/- 3.821)	4.51 (+/- 0.618)

Executed 2011-07-14 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2012	2012	2005	2009	2006	8038
LiveTime [s]	146.872	168.862	165.886	139.874	451.753	621.495
Gain	1900-01-00	0.989696	0.974921	0.948716	1.125017	-
Peak	871.69 (+/- 0.697)	871.23 (+/- 0.523)	870.61 (+/- 0.561)	871.47 (+/- 0.608)	870.97 (+/- 1.420)	871.43 (+/- 0.262)
FWHM	4.43 (+/- 1.922)	4.61 (+/- 1.328)	4.32 (+/- 1.473)	5.17 (+/- 1.589)	7.87 (+/- 4.428)	4.57 (+/- 0.665)

Executed 2011-07-14 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	1905-07-02	2006	2001	2013	2002	8030
LiveTime [s]	150.858	162.856	167.881	143.866	403.781	625.461
Gain	1.003892	1.025439	1.013167	0.983445	1.167202	-
Peak	871.66 (+/- 0.700)	871.59 (+/- 0.549)	871.48 (+/- 0.585)	871.66 (+/- 0.649)	873.25 (+/- 1.187)	871.75 (+/- 0.317)

FWHM	4.43 (+/- 1.848)	4.12 (+/- 1.449)	4.41 (+/- 1.594)	5.07 (+/- 1.692)	6.20 (+/- 3.762)	4.42 (+/- 0.828)

Executed 2011-07-15 RSI System Test Report RSX-5 SN5516_1.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2009	2003	2015	2019	2002	8046
LiveTime [s]	155.861	163.867	162.881	146.863	389.77	629.471
Gain	0.974606	0.994804	0.976137	0.948134	1.137513	-
Peak	871.96 (+/- 0.566)	870.54 (+/- 0.506)	869.91 (+/- 0.689)	869.36 (+/- 0.625)	870.73 (+/- 1.115)	870.68 (+/- 0.278)
FWHM	4.65 (+/- 1.478)	4.07 (+/- 1.314)	4.89 (+/- 1.807)	5.03 (+/- 1.580)	5.45 (+/- 3.524)	4.56 (+/- 0.709)

Executed 2011-07-15 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2007	2014	2012	2002	8034
LiveTime [s]	146.87	157.864	169.877	142.863	406.758	617.474
Gain	1.010765	1.035621	1.015185	0.988438	1.177745	-
Peak	871.87 (+/- 0.525)	871.00 (+/- 0.591)	870.56 (+/- 0.620)	870.76 (+/- 0.716)	871.21 (+/- 1.094)	871.29 (+/- 0.293)
FWHM	4.90 (+/- 1.384)	4.26 (+/- 1.595)	4.45 (+/- 1.676)	5.48 (+/- 1.976)	6.84 (+/- 3.135)	4.68 (+/- 0.769)

Executed 2011-07-16 RSI System Test Report RSX-5 SN5516_2.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2002	2002	2007	2008	2008	8019
LiveTime [s]	144.865	161.858	156.885	145.865	410.767	609.474
Gain	1.015347	1.040305	1.02567	0.995223	1.1941	-
Peak	871.66 (+/- 0.575)	871.36 (+/- 0.567)	869.77 (+/- 0.514)	871.00 (+/- 0.683)	871.87 (+/- 1.093)	871.36 (+/- 0.328)
FWHM	4.52 (+/- 1.534)	4.68 (+/- 1.535)	3.96 (+/- 1.357)	5.18 (+/- 1.851)	6.55 (+/- 3.182)	4.60 (+/- 0.853)

Executed 2011-07-16 RSI System Test Report RSX-5 SN5516_3.csv

Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2003	2005	2004	2001	2004	8013
LiveTime [s]	141.872	159.863	163.887	145.869	426.761	611.491
Gain	1.012286	1.035618	1.024112	0.991209	1.193651	-

Peak	871.42 (+/- 0.624)	872.22 (+/- 0.556)	871.52 (+/- 0.465)	869.98 (+/- 0.729)	874.19 (+/- 1.177)	871.58 (+/- 0.273)
FWHM	4.78 (+/- 1.662)	4.51 (+/- 1.490)	4.68 (+/- 1.246)	5.46 (+/- 2.028)	6.11 (+/- 3.543)	4.74 (+/- 0.721)

Executed 2011-07-17 RSI System Test Report RSX-5 SN5516_1.csv

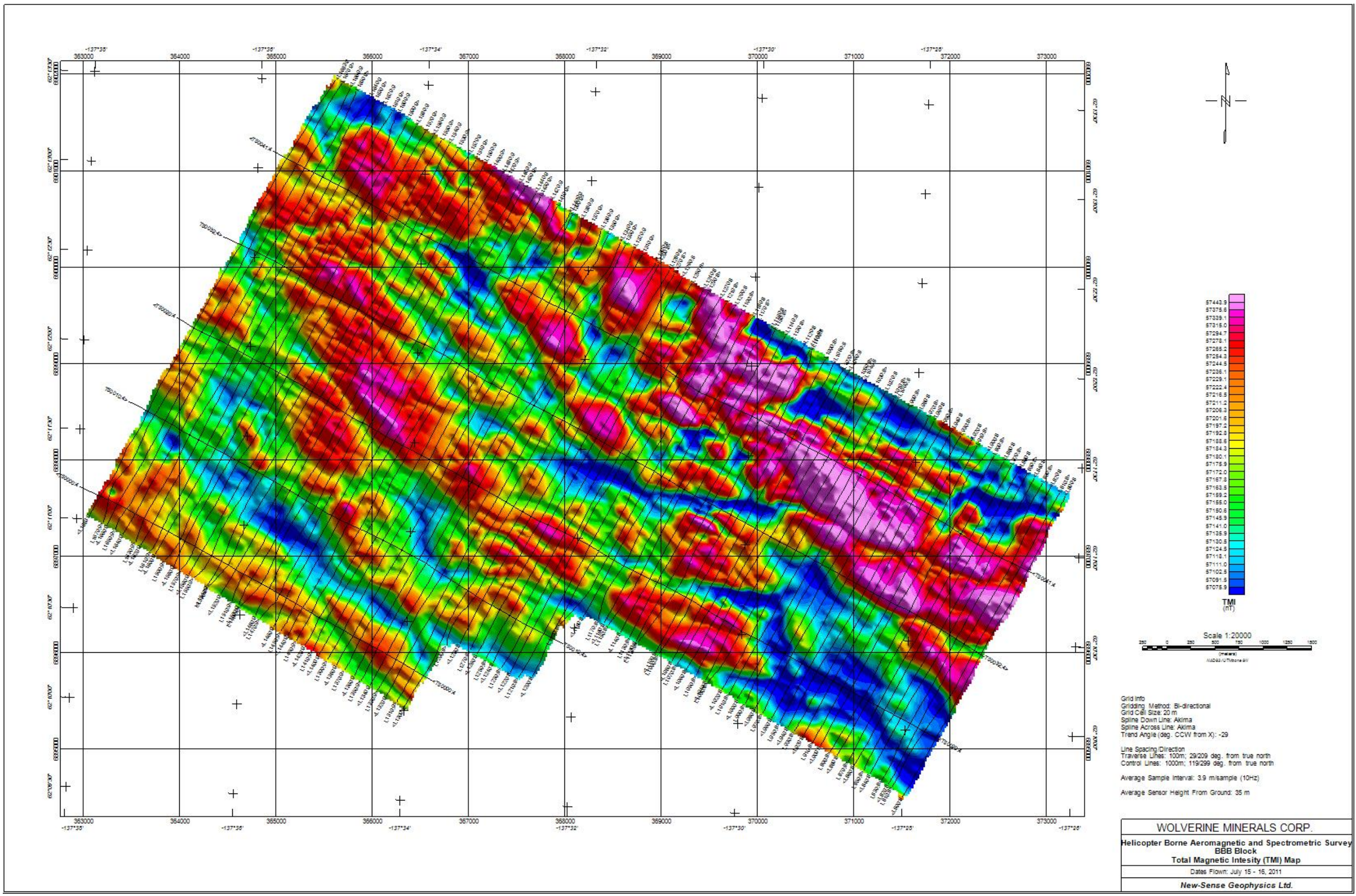
Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2011	2005	2003	2007	2002	8026
LiveTime [s]	151.868	160.867	165.885	146.861	406.772	625.481
Gain	0.987332	1.009434	0.989901	0.964836	1.162557	-
Peak	871.70 (+/- 0.605)	871.66 (+/- 0.538)	869.74 (+/- 0.490)	871.15 (+/- 0.639)	872.10 (+/- 1.047)	871.09 (+/- 0.312)
FWHM	4.45 (+/- 1.675)	4.36 (+/- 1.411)	4.58 (+/- 1.275)	4.74 (+/- 1.665)	6.21 (+/- 2.924)	4.47 (+/- 0.800)

Executed 2011-07-18 RSI System Test Report RSX-5 SN5516_3.csv

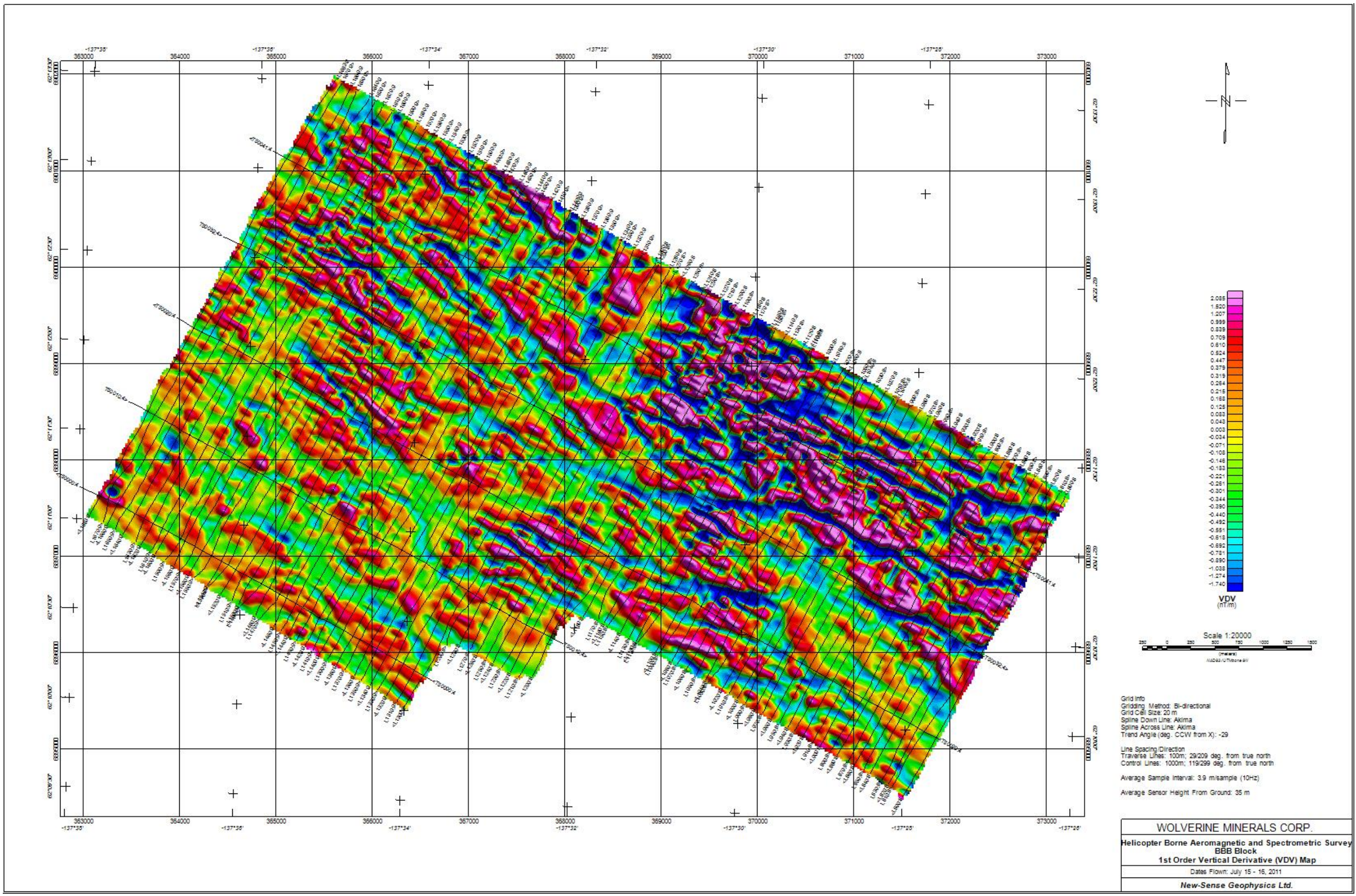
Detector	Det 1 - SN:00086	Det 2 - SN:00128	Det 3 - SN:00071	Det 4 - SN:00081	Det 5 - SN:00125	Det 1 + 2 + 3 + 4
Status	Done	Done	Done	Done	Done	Done
Counts	2001	2001	2005	2004	2002	8011
LiveTime [s]	295.811	337.806	346.831	307.8	702.672	1288.248
Gain	1.010211	1.034742	1.020914	0.990377	1.196657	-
Peak	871.74 (+/- 0.717)	872.38 (+/- 0.575)	868.78 (+/- 0.748)	870.61 (+/- 0.741)	869.79 (+/- 0.974)	871.33 (+/- 0.325)
FWHM	4.94 (+/- 1.928)	4.26 (+/- 1.548)	4.55 (+/- 2.041)	5.31 (+/- 2.052)	5.68 (+/- 3.067)	4.56 (+/- 0.847)

APPENDIX E: IMAGES OF FINAL MAPS

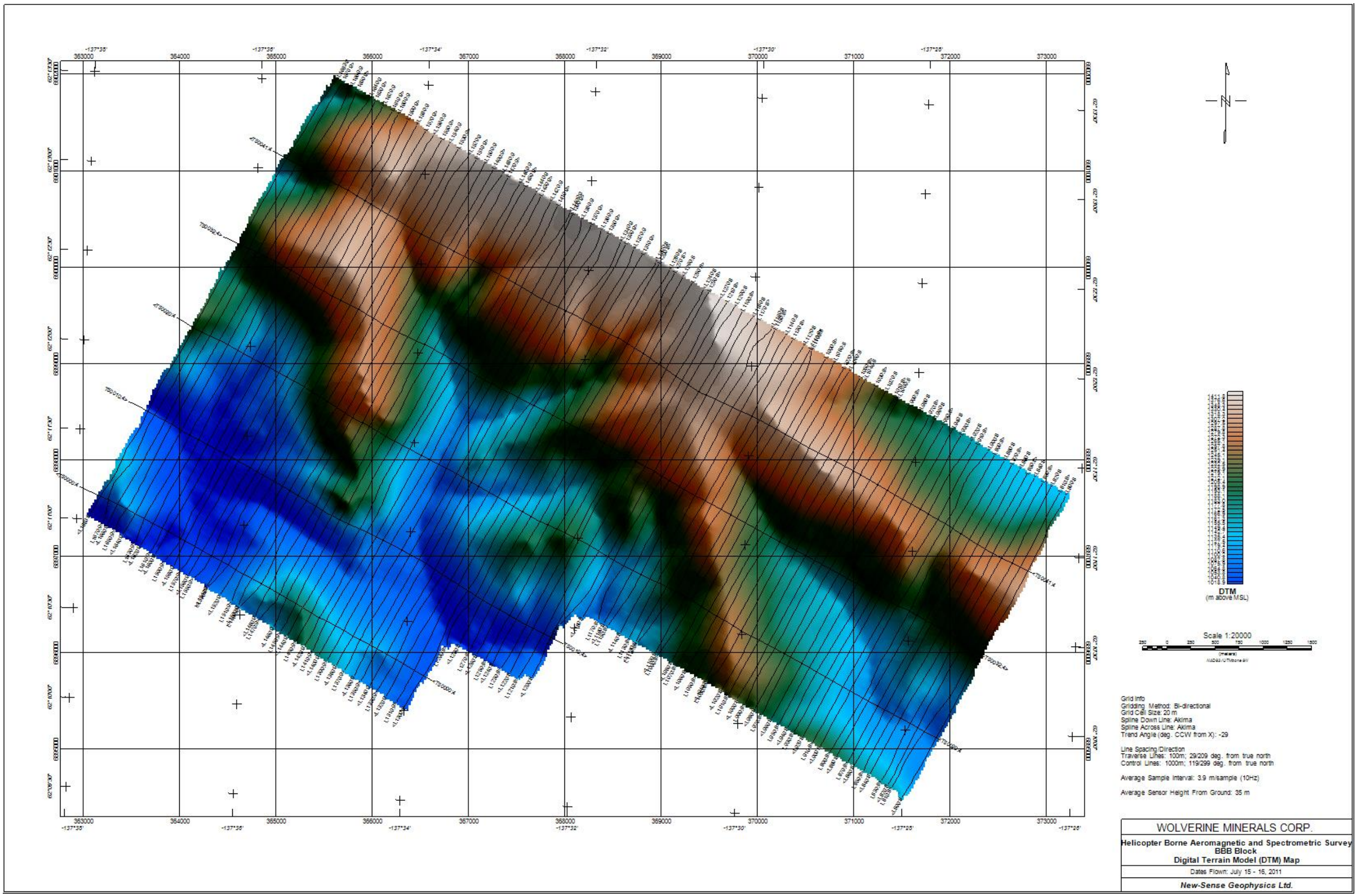
BBB Block Image of TMI FINAL Map



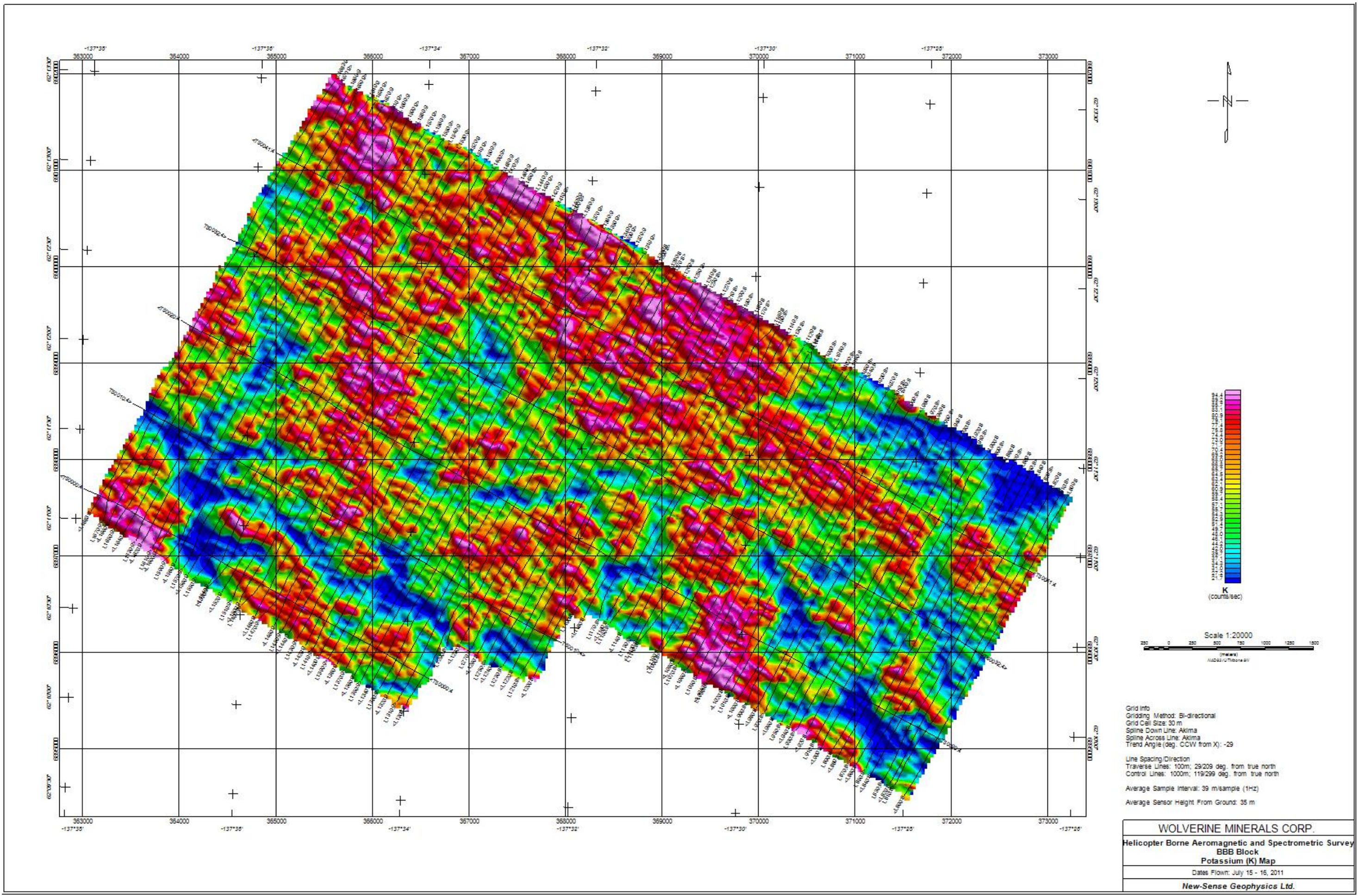
BBB Block Image of VDV Map



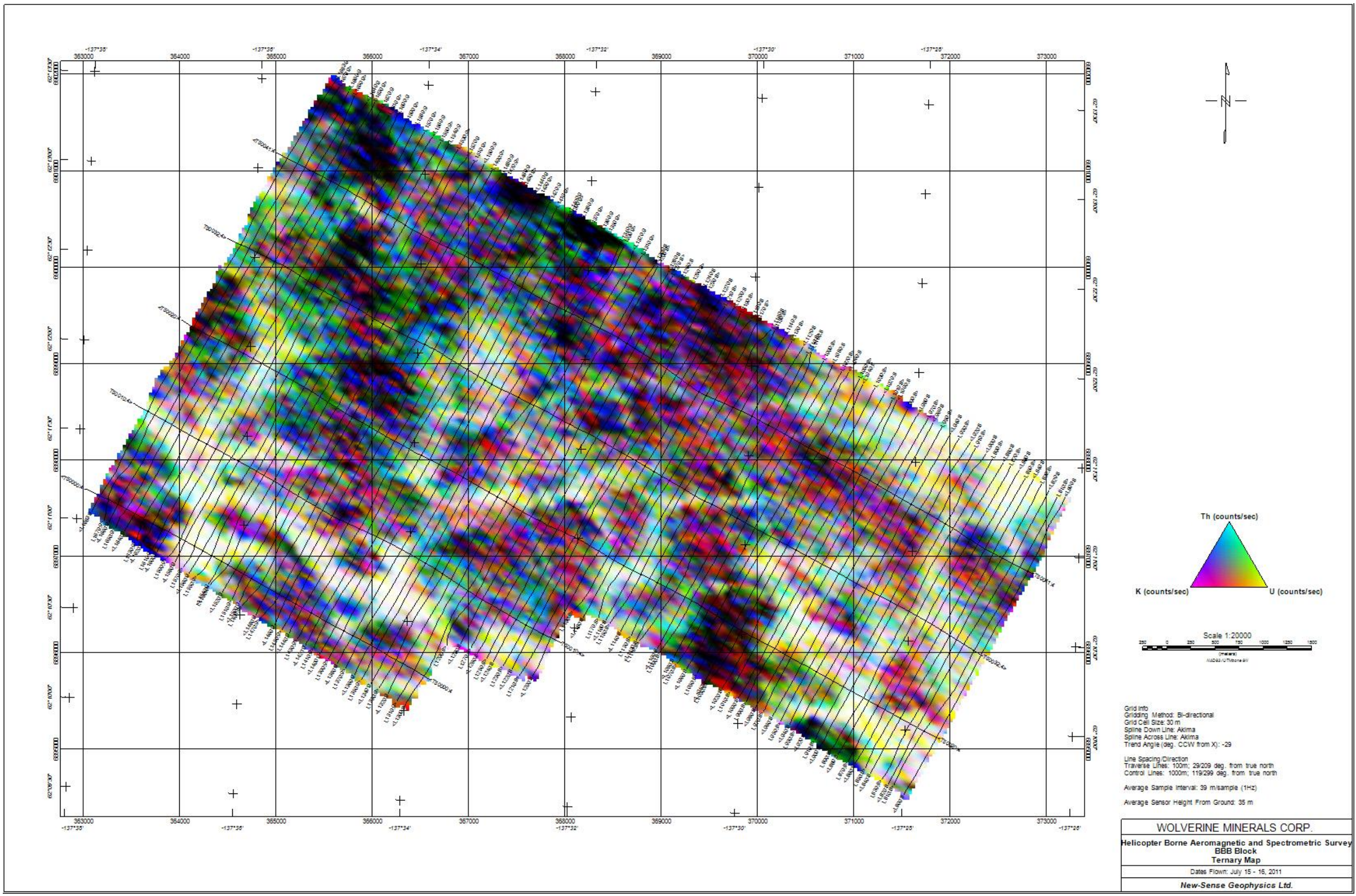
BBB Extension Block Image of DTM Map



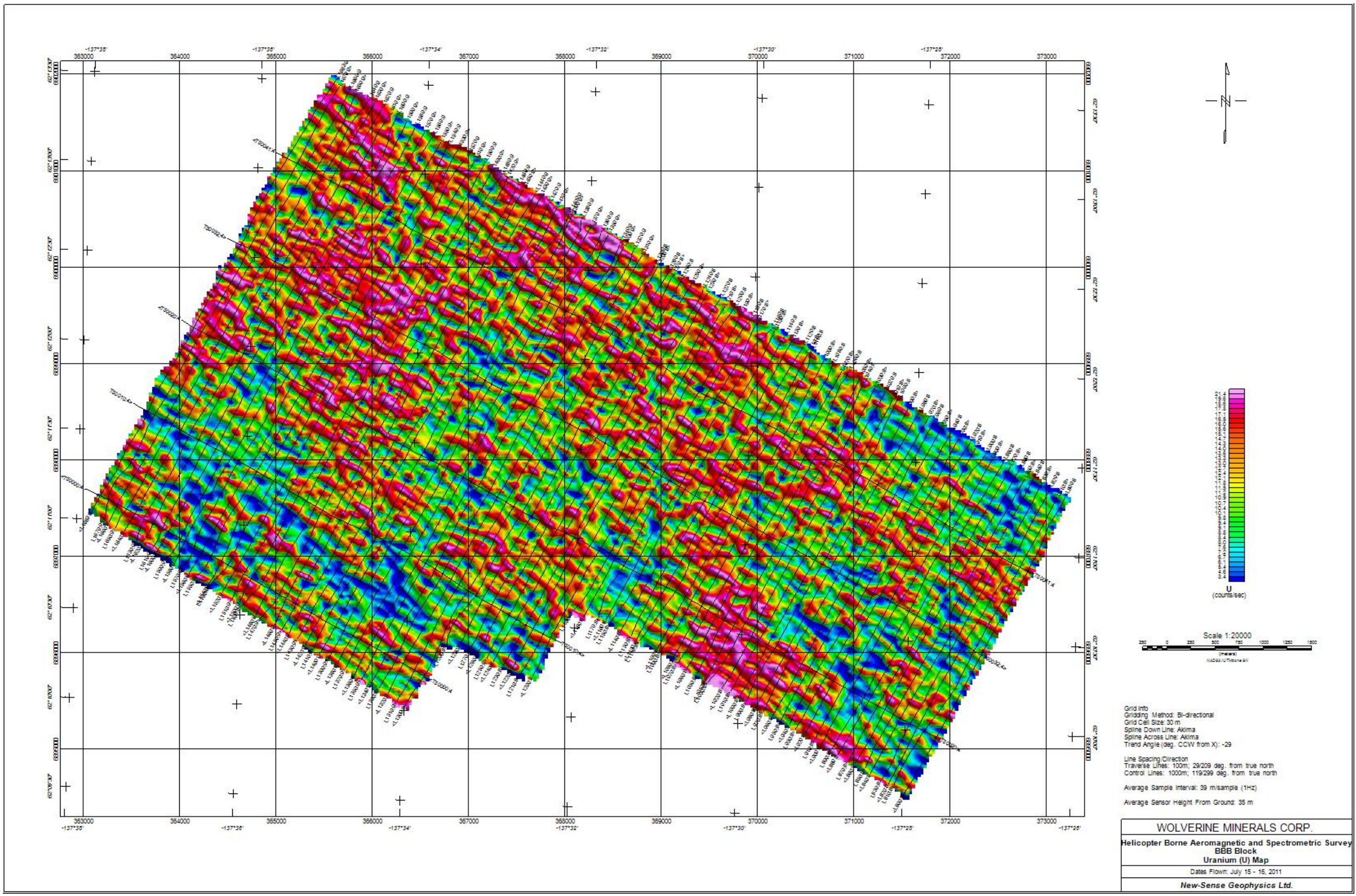
BBB Block Image of Potassium Map



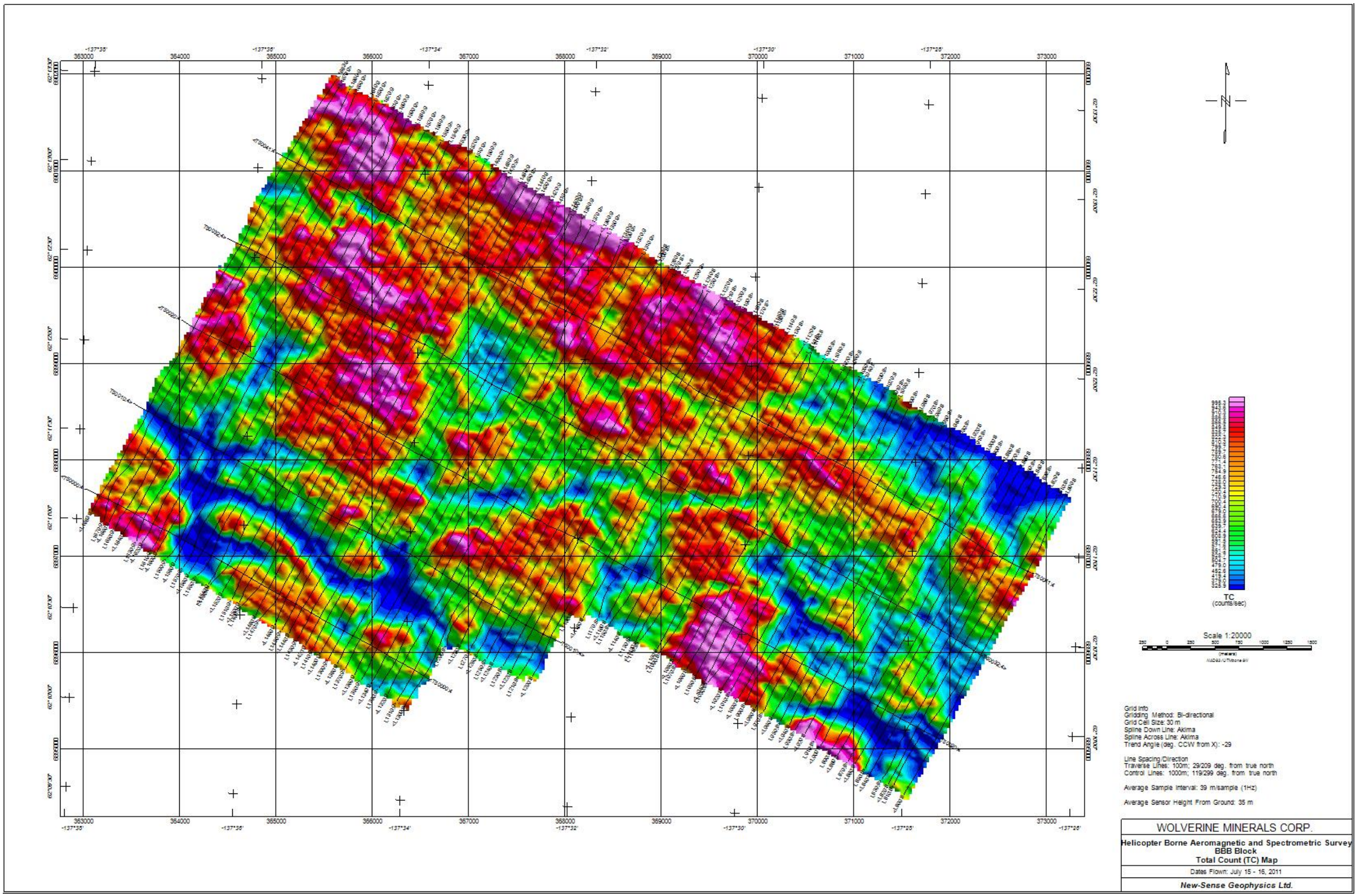
BBB Block Image of Thorium Map



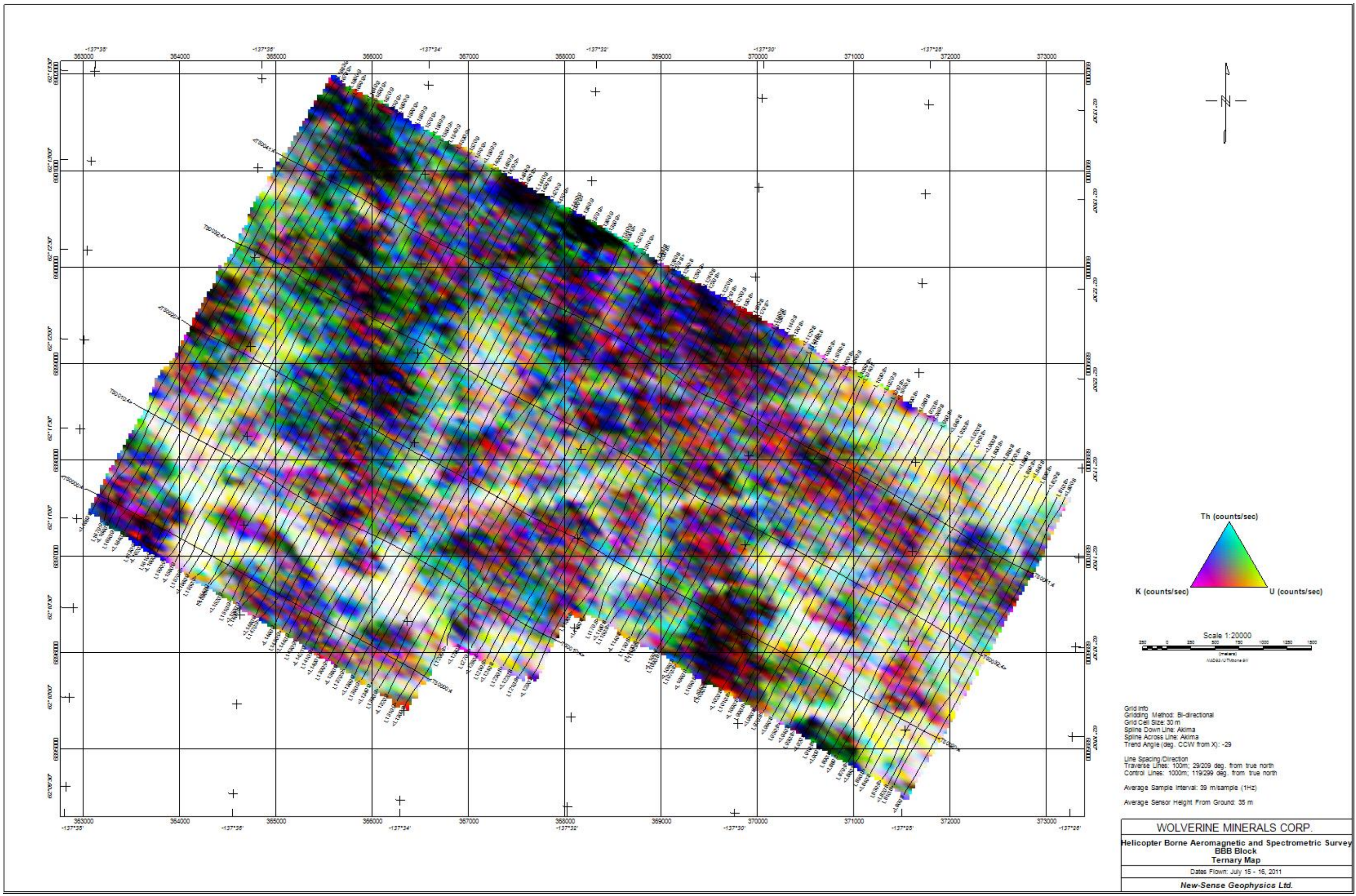
BBB Block Image of Uranium Map



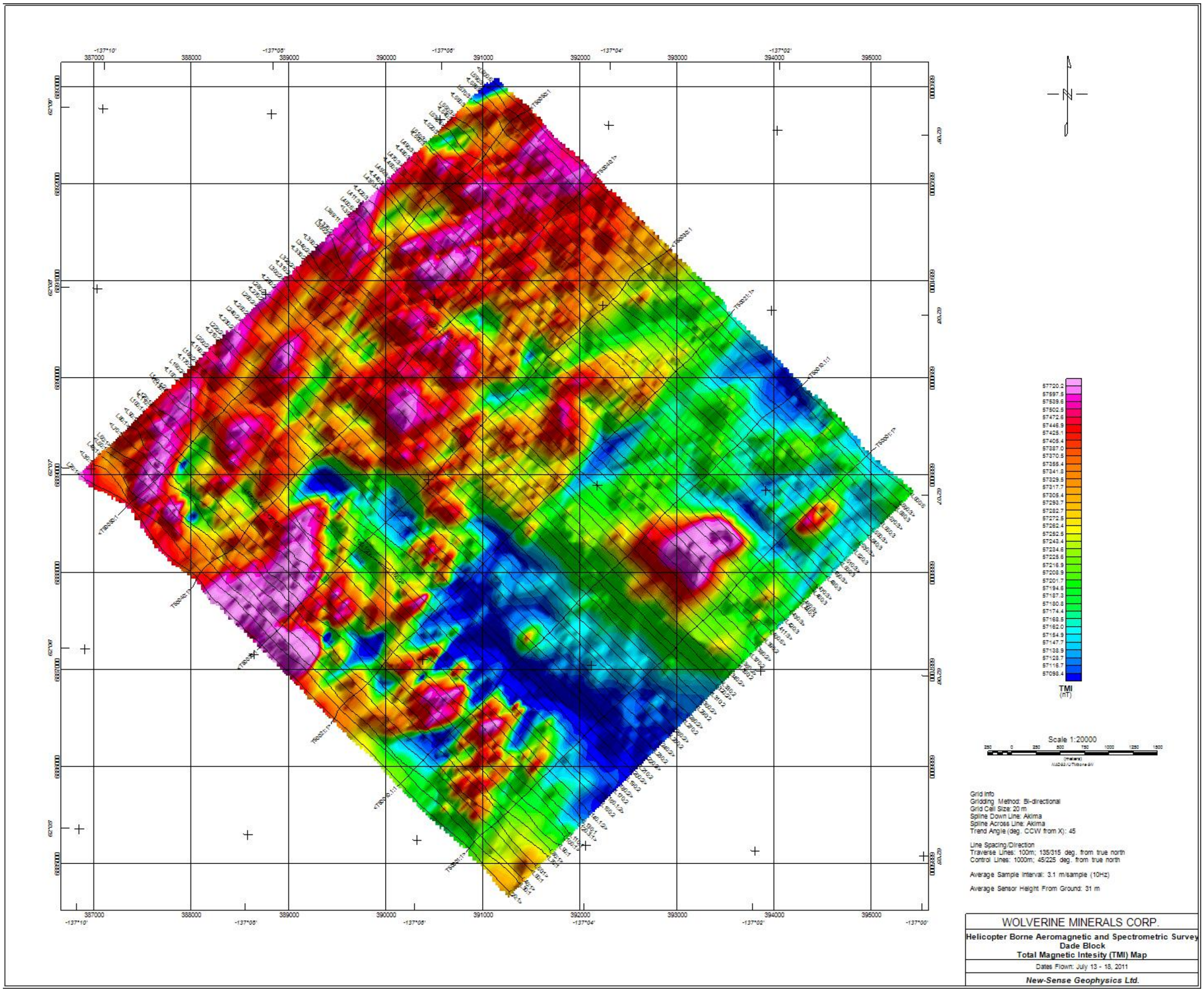
BBB Block Image of Total Count Map



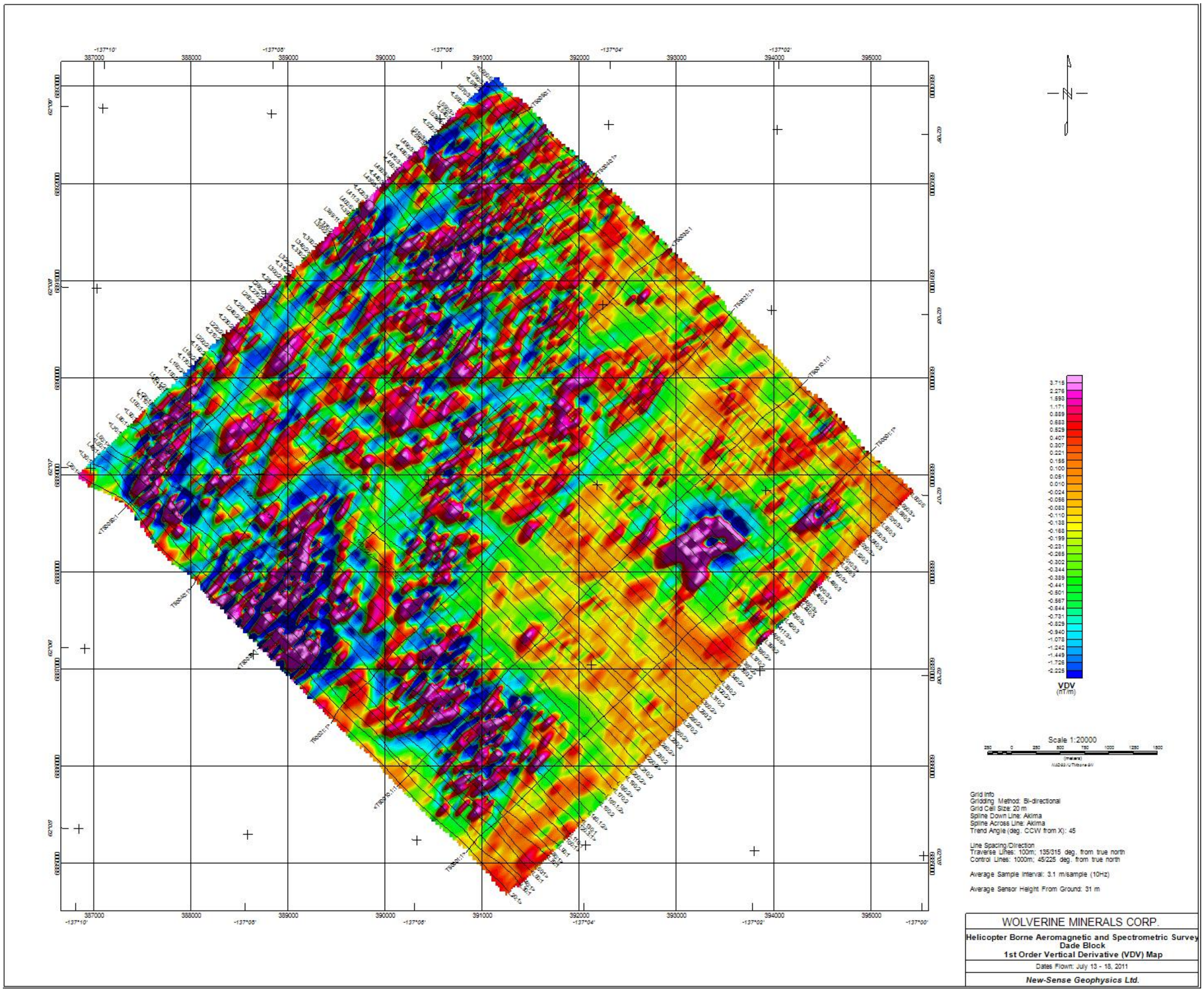
BBB Block Image of Ternary Map



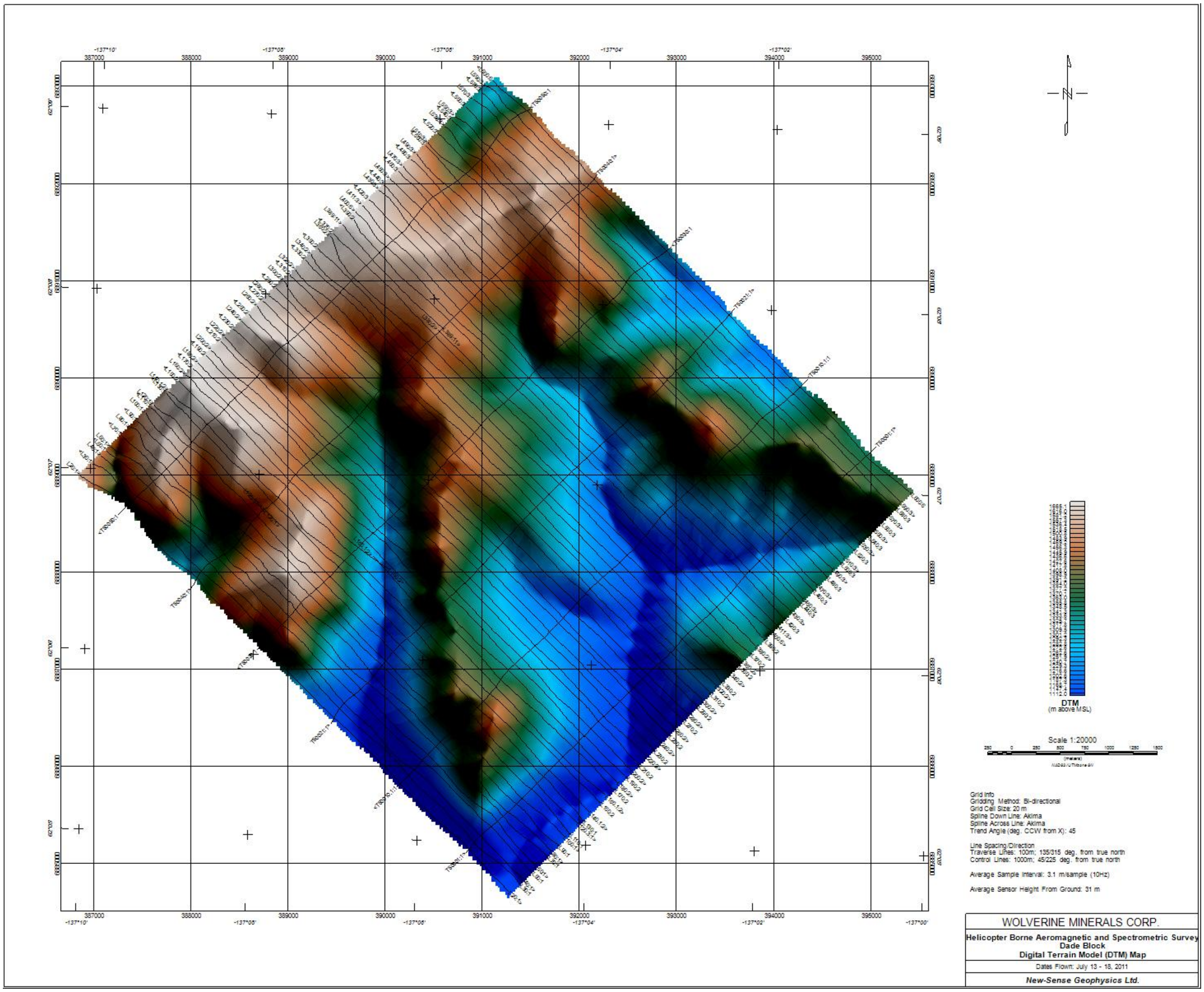
Dade Block Image of TMI FINAL Map



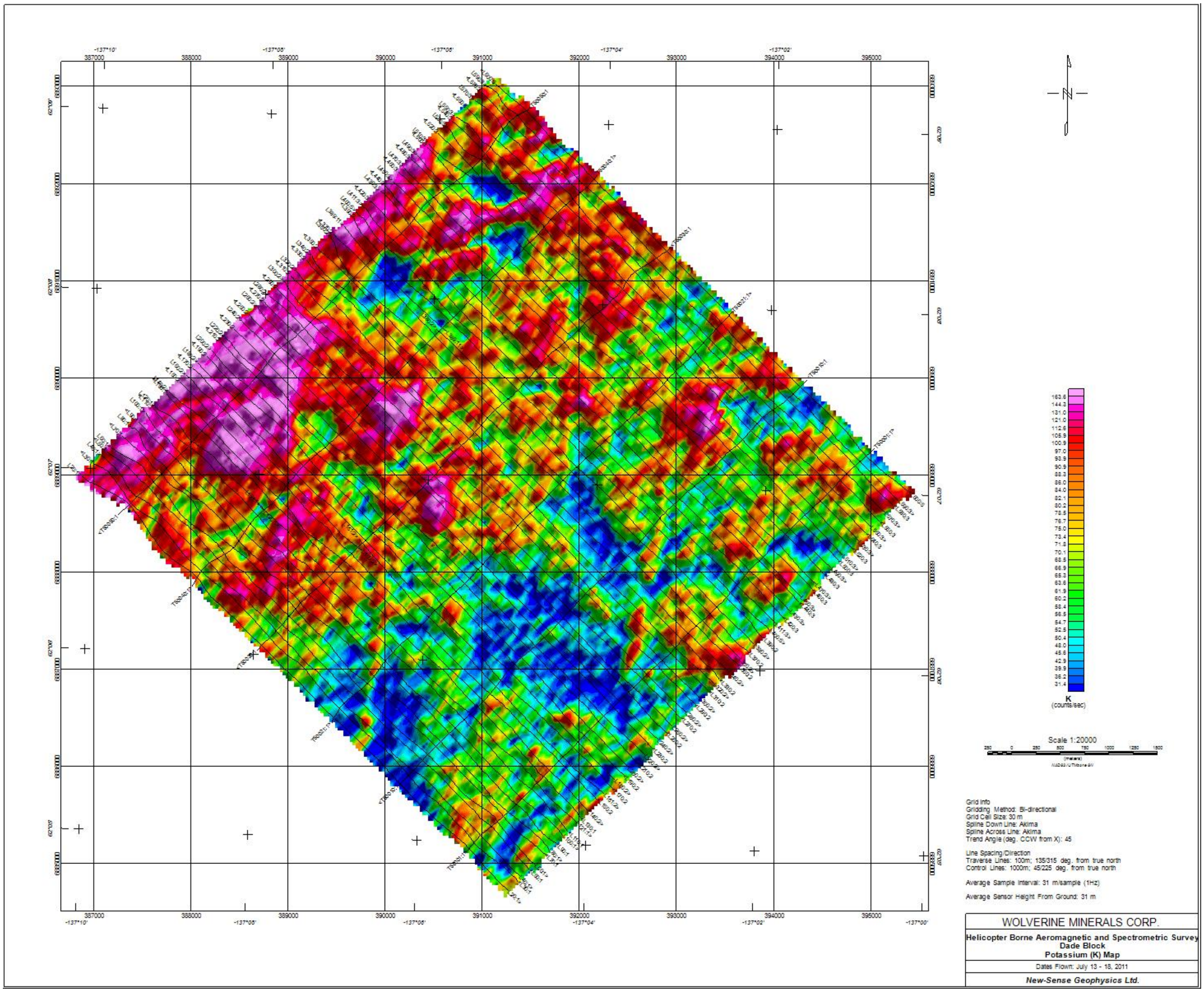
Dade Block Image of VDV Map



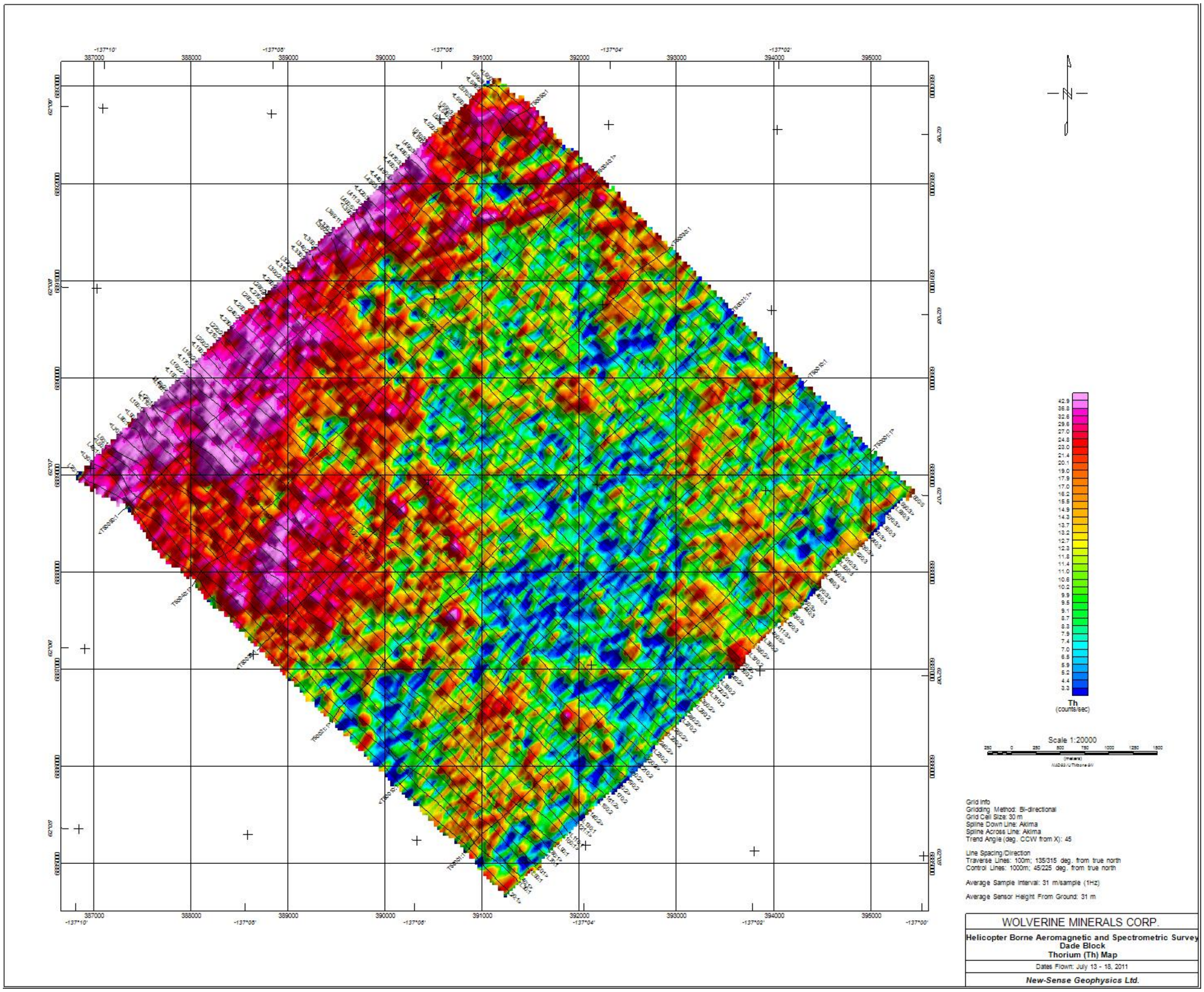
Dade Extension Block Image of DTM Map



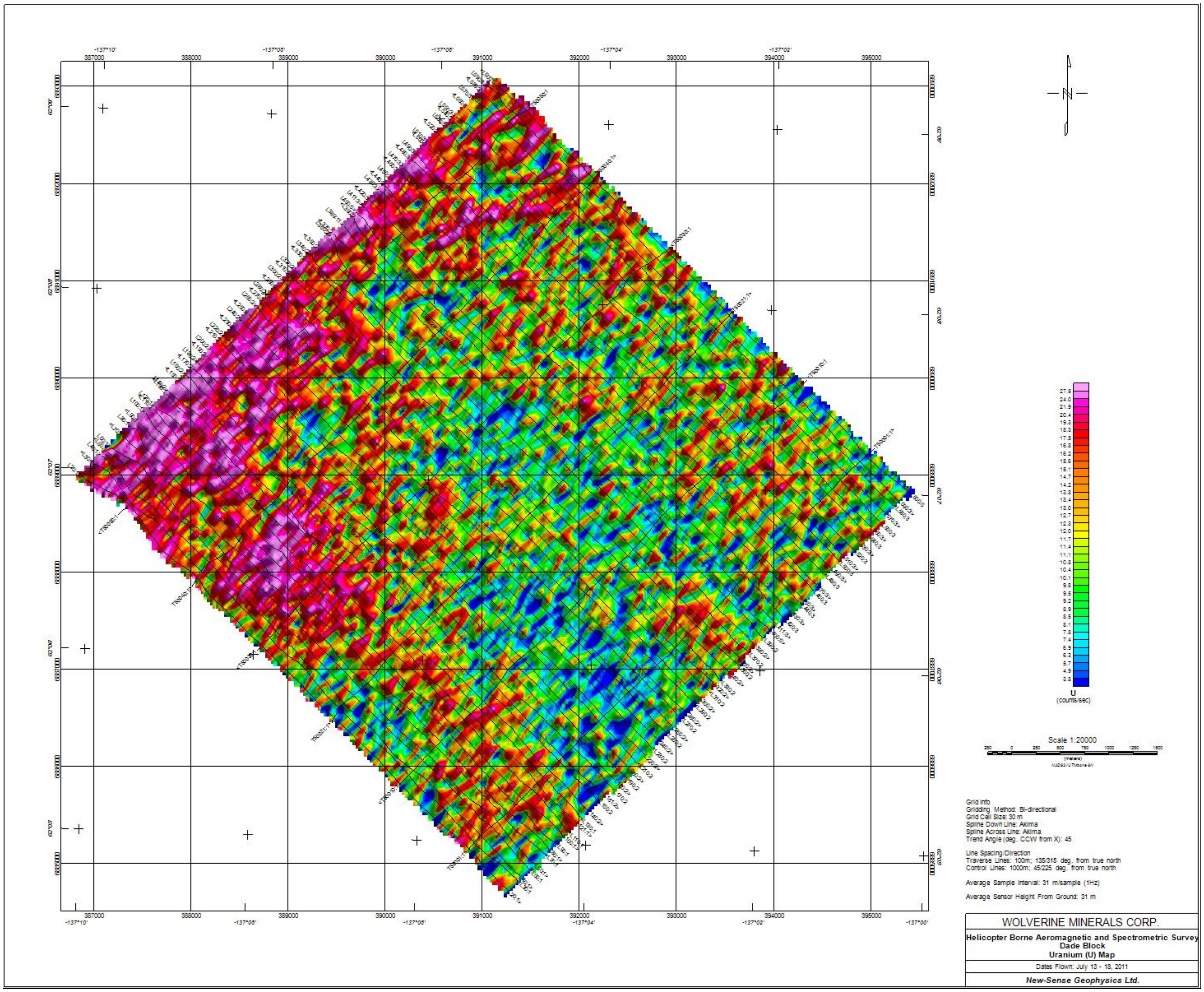
Dade Block Image of Potassium Map



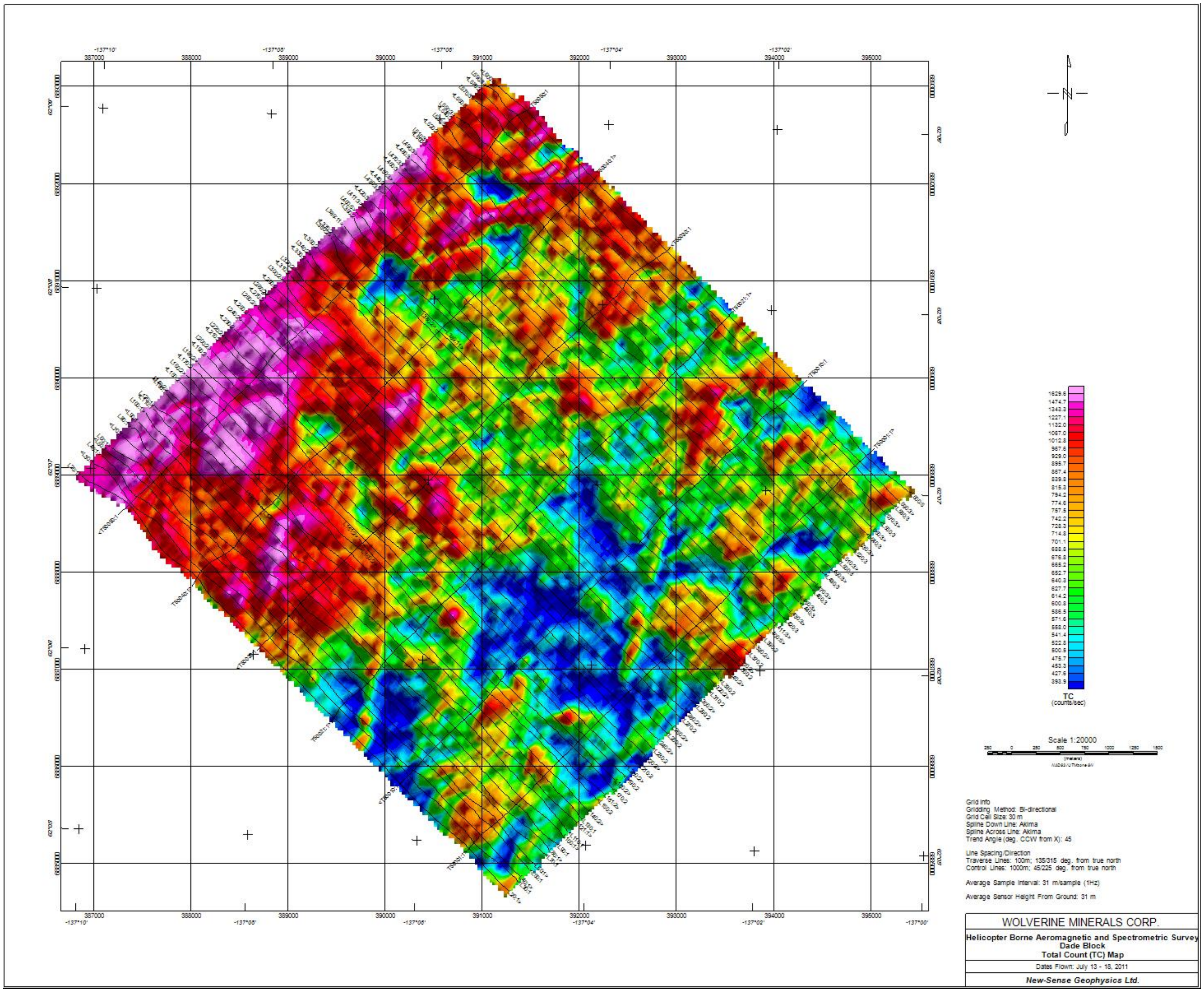
Dade Block Image of Thorium Map



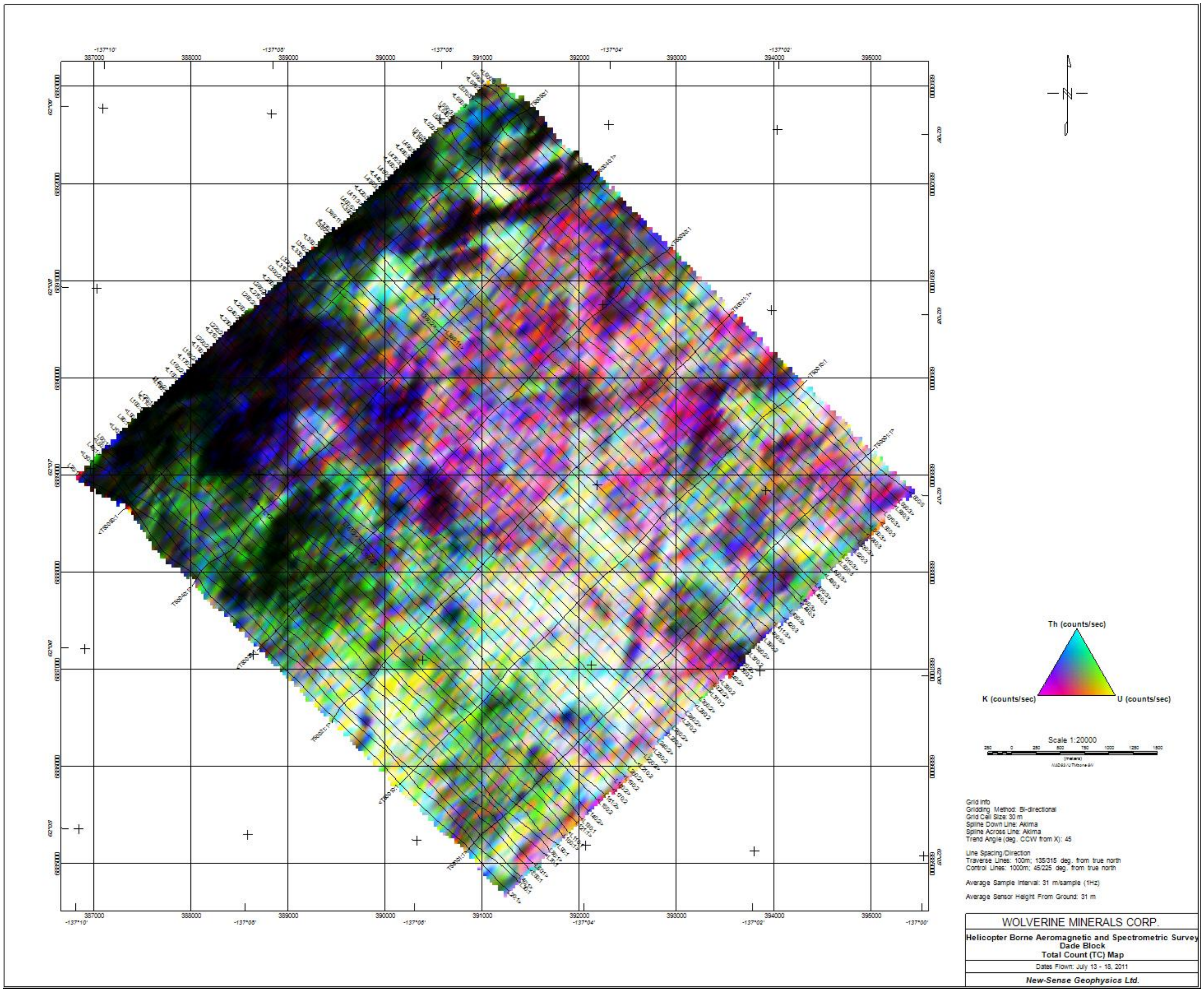
Dade Block Image of Uranium Map



Dade Block Image of Total Count Map



Dade Block Image of Ternary Map



APPENDIX F: MICROLEVELLING DESCRIPTION

As per PGW Microlevelling GX help file available through Geosoft Oasis montaj 7.2

```
DECORR.GX                Version 3.0
                         Paterson, Grant & Watson Limited
                         March 2003

PARAMETERS: (miclev group parameters are used, so that values set will be
             passed to MICLEV.GX)

   miclev.Xchan = x channel (default "x")
         .Ychan = y channel (default "y")
         .Ochan = original data channel (no default)
         .Nchan = decorrugation noise channel (default "dcor_noise")
         .Space = flight line spacing
         .Dir   = flight line direction in degrees azimuth (clockwise
                  from North)
         .Cell  = cell size to use for gridding (default = line spacing/5)
         .Wlen  = decorrugation high-pass wavelength (default = 4 * line
                  spacing)
         .Ogrid = original output grid, new or existing
         .Nnoise= decorrugation noise grid
         .XY    = Xmin,Ymin,Xmax,Ymax             (optional)
         .LOGOPT= Log option                      (optional)
         .LOGMIN= Log minimum                     (optional)
         .DSF   = Low-pass desampling factor      (optional)
         .BKD   = Blanking distance               (optional)
         .TOL   = Tolerance                       (optional)
         .PASTOL= % pass tolerance                (optional)
         .ITRMAX= Max. iterations                 (optional)
         .ICGR  = Starting coarse grid            (optional)
         .SRD   = Starting search radius          (optional)
         .TENS  = Internal tension (0-1)          (optional)
         .EDGCLP= Cells to extend beyond data     (optional)
```

DESCRIPTION:

decorr.gx and miclev.gx implement a procedure called micro-levelling which removes any low-amplitude component of flight line noise still remaining in airborne survey data after tie line levelling. Micro-levelling calculates a correction channel and adds it to the profile database. This correction is subtracted from the original data to give a set of levelled profiles, from which a final levelled grid may then be generated. Microlevelling has the advantage over standard methods of decorrugation that it better distinguishes flight line noise from geological signal, and thus can remove the noise without causing a loss in resolution of the data.

To microlevel data, first run decorr.gx, then miclev.gx. decorr.gx offers two options for the grid of the channel to be microlevelled. If a grid prepared from this channel already exists, it may be specified, and when prompted to overwrite, the user should answer no. If the user wishes to prepare a new grid of the channel to be microlevelled, the minimum curvature gridding algorithm (rangrid.gx) is applied. The advanced button provides access to the standard minimum curvature gridding parameters. Once the gridding is completed, decorr.gx applies a directional high-pass filter (see end note) perpendicular to the flight line direction, in order to produce a decorrugation noise grid. (The default grid cell size is 1/5 of the line spacing. The user may specify a different cell size if desired. A smaller cell size will give a more accurate result, but a larger cell size will make the gx run faster and use less disk space.) The noise grid is then extracted as a new channel in the database (default name is "dcor_noise"). This channel contains the line level drift component of the data, but it also contains some residual high-frequency components of the geological signal. miclev.gx applies amplitude limiting and low-pass filtering to the noise channel in order to remove this residual geological signal and leave only the component of line level drift, which is then subtracted from the original data to produce a levelled output channel named "miclev".

decorr.gx calculates default amplitude limit and filter length values for use in miclev.gx, but the skilled user may be able to set better values for these parameters based on an inspection of the noise grid. (The micro-levelling process is broken up into two separate GXes in order to allow the user to do this.) Flight line noise should appear in the decorrugation noise grid as long stripes in the flight-line direction, wheras geological anomalies should appear as small spots and cross-cutting lineaments, generally with a higher amplitude than the flight line noise, but with a shorter wavelength in the flight-line direction. The user can estimate the maximum amplitude of the flight line noise, and set the noise amplitude limit value accordingly. Similarly the user can estimate the minimum wavelength of the level drift along the flight lines, and set the low-pass Naudy filter width to half this wavelength. The defaults are to set the amplitude limit equal to the standard deviation of the noise grid, and to set the filter width equal to five times the flight line spacing.

There is an option of using either of two kinds of amplitude limiting. In "clip" mode any value outside the limit is set equal to the limit value. In "zero" mode any value outside the limit is set equal to zero. The clip mode makes more sense intuitively, but it has been found in practise that the zero mode may reject geologic signal better, depending on the particular data set. As a rule the zero mode works better on datasets in which the noise grid contains a lot of high-amplitude geological signals (e.g. shallow basement areas). For datasets in which the noise grid contains mainly flight line noise (e.g. sedimentary basins), the clip mode works better.

Microlevelling applies a level correction to the traverse lines only. If it is desired to grid the tie lines together with the micro-levelled traverse lines, then it may be necessary to also apply a level correction to the tie lines so that their values agree with the micro-levelled traverse lines at the intersections. This may be done as follows:

1) Copy the tie line values to the microlevelled channel.

2) Use intersct.gx to find cross-difference values for the microlevelled data.

3) Use xlevel.gx to load these cross-difference values to the tie lines.

4) Apply fulllev.gx to the tie lines. The output will be a set of tie

lines that matches the microlevelled traverse lines at all intersections.

5) Copy the microlevelled traverse line values into the same channel as the corrected tie line values.

Decorrugation Filter:

The decorrugation noise filter is a sixth-order high-pass Butterworth filter with a default cutoff wavelength of four times the flight line spacing, combined with a directional filter. The directional filter coefficient as a function of angle is F=(sin(a))^2, where a is the angle between the direction of propagation of a wave and the flight line direction,i.e. F=0 for a wave travelling along the flight lines, and F=1 for a wave travelling perpendicular to them. (Note this is the exact opposite of what is usually called a decorrugation filter, since the intention here is to pass the noise only, rather than reject it.)

The default cutoff wavelength (4 * line spacing) gives good results if the data is already fairly well levelled to start with. In cases where many lines are badly mis-levelled, it may be necessary to set a longer cutoff wavelength, at the risk of removing more geological signal.

APPENDIX G: COPY OF THE CONTRACT

CONTRACT
FOR
A HELICOPTERBORNE AEROMAGNETIC AND SPECTROMETRIC SURVEY FOR WOLVERINE MINERALS CORP. OVER BBB AND DADE BLOCKS, YUKON, CANADA.

NEW-SENSE GEOPHYSICS LTD. ("NSG"), with its corporate offices at

195 Clayton Drive, Unit 11
Markham, ON, Canada
L3R 7P3

Telephone: (905) 480-1107/ (905) 480-9989
Fax: (905) 480-1207

Offers to carry out airborne geophysical services on behalf of

WOLVERINE MINERALS CORP. ("Client"), with its offices at:

Suite 3023, Bentall Three Building
595 Burrard Street
Vancouver, BC
Canada V7X 1K8

Telephone: (604) 689-5722
Fax: (604) 685-9182

Contact: Heather Smith. P.Geo
Email: hsmith@archercathro.com

in accordance with the following description, terms and conditions.

TABLE OF CONTESTS

1. COMPANY DESCRIPTION

New-Sense Geophysics (NSG) traces its history through its current founder and president Dr. W.E.S. (Ted) Urquhart. First as Urquhart-Dvorak, which specialized in processing airborne geophysical data, to High-Sense Geophysics, which became one of the largest airborne survey companies in the world, until it was purchased by Fugro of Holland in 2000, and then to Geoexplo Limitada., which specialized in airborne geophysical consulting and quality control. This sequence spans over 30 years and leads us to NSG, continuing on in the tradition of airborne survey innovation and quality airborne data acquisition.

NSG has established its HQ office in Markham, Ontario where it operates out of a new purpose-designed and constructed 3000 square foot facility. Here it designs and manufactures its own operator-less systems made ‘field-bullet-proof’ by engineer Glenn Slover.

The facility itself is more advanced than what may be found in leading high tech companies anywhere. It is completely wired for production with any processing station able to share information on the internal network and processors and field people in direct voice and data communication anywhere in the world. Highly secure firewall features prevent unauthorized access and fail-safe systems prevent any potential data loss through accident, intent or act of God. Clients with authorization can view the progress of their survey on a 24/7 basis.

The company has five data processing workstations with capacity to expand to twice that. A large inventory of systems and components provides for rapid remediation of field problems with the hardware should any occur. All this equipment is rigorously tested, using the built-in network and permanently installed sensors including GPS antenna signals available to each workbench.

The company works world-wide and presently has a second office of operation in Santiago Chile where equipment is maintained and processing takes place.

The company and its personnel through its many years in airborne surveying, airborne software and hardware development, and airborne survey data processing, has dealt with literally millions of kilometres of airborne data acquired in perhaps 80 countries. NSG itself has flown, processed and interpreted more than three quarters of a million line kilometres since 2005. These have been for multi-national companies (like Rio Tinto, Barrick, Teck, and BHP), to junior mining exploration companies, to governments. All have received their data on time and to their satisfaction. And in all of its history dating back 30 years, the companies owned and run by Dr. Urquhart, who developed the concept and practice of operatorless surveying, have not had a single accident …a perfect safety record.

2. SURVEY AREA

A helicopter borne magnetic and spectrometric survey is to be carried out on the Client's project areas known as BBB and Dade blocks located approximately 50Km west of Carmacks, Yukon, Canada.

The block is to be flown from Carmacks with refueling in between the flights at Klaza camp site. See Tables 2.1-2.2 and Figure 2.1 below.

Table 2.1 BBB block outline coordinates

UTM Zone 8N			
NAD83_X	**NAD83_Y**	**WGS84_X**	**WGS84_Y**
365438	6902072	365438	6902072
373282	6897592	373282	6897592
371473	6894543	371473	6894543
368259	6896403	368259	6896403
367652	6895669	367652	6895669
366893	6896087	366893	6896087
366412	6895416	366412	6895416
362831	6897580	362831	6897580
365438	6902084	365438	6902084

Table 2.2 Dade block outline coordinates

UTM Zone 8N			
NAD83_X	**NAD83_Y**	**WGS84_X**	**WGS84_Y**
391140	6893040	391140	6893040
386855	6888934	386855	6888934
391261	6884750	391261	6884750
395425	6888891	395425	6888891

Note: the survey will be flown in WGS84, World, UTM Zone 8N and delivered to the client in NAD83, North America, UTM Zone 8N.

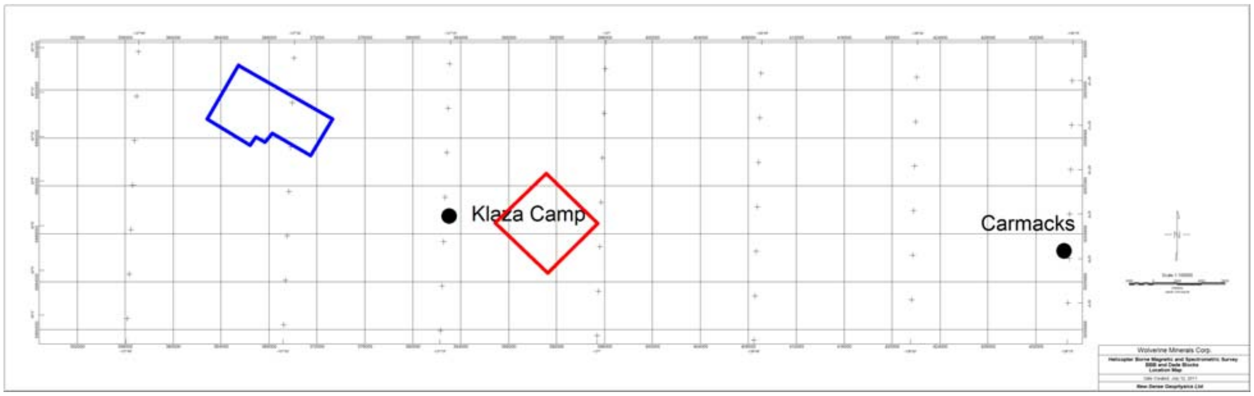


Figure 2.1 Map depicting outlines of the BBB block (blue) and Dade block (red). Coordinate system, WGS84, World, UTM Z8N. UTM grid cell size 4km.

3. *TECHNICAL SPECIFICATIONS FOR AIRBORNE SURVEY*

3.1 Traverse and Control Lines Statistics: BBB Block

Traverse Line Direction:	29/209 degrees from true North
Traverse Line Interval:	100m
Control Line Direction:	119/299 degrees from true North
Control Line Interval:	1000 m
Estimated Line KM:	390 L/KM (Traverse)
	45 L/KM (Control)
	435 L/KM (Total)
Mean Terrain Clearance:	35m* nominal
Sampling Interval:	Magnetics 50 Hz/10Hz; Radiometric 1 Hz second
Minimum Line Length:	2 Km

3.2 Traverse and Control Lines Statistics: Dade Block

Traverse Line Direction:	135/315 degrees from true North
Traverse Line Interval:	100m
Control Line Direction:	45/225 degrees from true North
Control Line Interval:	1000 m
Estimated Line KM:	360 L/KM (Traverse)
	35 L/KM (Control)
	395 L/KM (Total)
Mean Terrain Clearance:	35m* nominal
Sampling Interval:	Magnetics 50 Hz/10Hz; Radiometric 1 Hz second
Minimum Line Length:	2 Km

*Note: The 35 meter flight height will be subject to an on-sight safety audit. In any event, the flight height will be subject to pilot safety concerns.

Actual number of survey line kilometers will be those flown and delivered that fall inside the survey boundaries as listed above.

3.3 Tolerances

3.3.1 Traverse line separation

The pilot will fly to the best of his ability to stay within no more the 50% on either side of the theoretical flight path for a distance of 1000 meters unless obstructions or topography require greater deviations for reasons of safety.

There will be no crossing flight lines unless physical obstructions or topography require such deviation for reasons of safety. Such instances will be communicated and discussed with the client representative in writing.

However, if flight-line path deviations are the result of safety concerns, local aviation authority regulations, or military requirements, NSG will not be required to fly fill-in lines.

3.3.2 Control line spacing

Control lines will be surveyed at an average interval as specified, but may be located to avoid, where possible, areas of strong magnetic gradient.

3.3.3 Flight Height

The terrain clearance will be maintained at the planned altitude of 35 meters, subject to topography constrains, safety requirements, local aviation authority regulations, and/or military requirements.

3.3.4 Missing or Substandard Data

Data will be recorded digitally in the aircraft and at the ground station. Isolated errors, spikes, and short non-sequential gaps consisting of a few points, will be corrected by interpolation.

3.3.5 GPS

GPS will be used for navigation.

3.3.6 Diurnal

Magnetic diurnal activity will be monitored at the base station. If the magnetic activity exceeds 20 nT per 2 minute period, a flight will not depart until the activity has returned to levels below this rate. Once a flight has started it will not be aborted due to diurnal activity.

3.3.7 Re-flights

Any flight lines or parts of flight lines with data outside the above tolerances will be considered for re-flights. All re-flown lines or portions of lines will be tied to the closest control lines at both ends.

4. *PAST PERFORMANCE OR EXPERIENCE AND QUALIFICATIONS*

4.1 Organizational experience

NSG provides high quality airborne magnetic/gradiometer and spectrometer surveys using fixed-wing and helicopter platforms. The company is owned and operated by W. E. S (Ted) Urquhart Ph.D. who was the founder and President of High-Sense Geophysics Limited that was sold to Fugro in 2000. After a five-year non-compete period, NSG was inaugurated to re-enter the airborne survey industry to carry on the tradition of providing innovative technologies focusing on collecting the highest quality airborne geophysical data in the safest possible manner.

NSG operates from two offices, one in Markham, Canada where its equipment is manufactured, tested and dispatched throughout the world; the other is in Santiago, Chile where NSG offers airborne geophysical services in Spanish to its South American clients.

NSG has performed airborne geophysical surveys in Africa, North America, Europe, the Middle East and South America. NSG has flown in excess of 700,000 line km in the last 3 years for clients such as major companies like: USGS, BHP Billiton, PG&E, Kennecott, Teck Cominco, Barrick Gold, Kinross, Gold Field, etc.

4.2 References of previous surveys

Dr. V. J. S. (Tien) Grauch, Scientist in charge, *U.S. Geological Survey*
Phone: +1 (303) 236-1393
Email: tien@usgs.gov

Donald Hinks, Project Geophysicist, *Kennecott Exploration Company*
Tel +1 (801) 204 3404
Cell +1 (801) 638 8528
Email: donald.hinks@riotinto.com

Peter Mills, BHP Billiton Ltd.
Tel: + (976) 11 323033 x103
Email: peter.j.mills@bhpbilliton.com

4.3 Qualifications of the personnel and pilots

4.3.1 NSG representative

NSG conducts surveys with an operatorless system and as a result typically sends only one field geophysicist on the job site who possesses good knowledge in not only QC/QA, data processing but in the equipment maintenance as well. At this stage it is planed that NSG representative on the job site would be Mr. Sean Plener with Mr. Andrei Yakovenko being the general project manager under the oversight of Dr. William E. S. (Ted) Urquhart

Field:

Mr. Sean Plener is detail oriented specialist with international and domestic survey and mapping experience and a background in Physical Geography and Earth and Atmospheric Science. Sean has been working with New-Sense since 2007 on both airborne FW and Helicopter total field magnetic and radiometric surveys in different parts of North America and South America.

Geophysicist:

Mr. Yakovenko, Andrei, has been responsible for fixed wing and helicopter airborne operations including permanent, contract, and air crew supervision, logistics, data QA/QC, data processing, and reporting.

He is a tri-lingual, solutions oriented specialist with international and domestic survey and mapping experience, with a background in geology, underwater, land-based archaeology, and geophysics. Currently a Masters candidate in geophysics at McMaster University, Andrei obtained his B.Sc. (Honors) from the University of Toronto. He is skilled in geophysical data processing using Oasis Montaj and coordinating multiple airborne projects. Andrei has authored multiple scientific publications.

Office supervision:

Dr. Urquhart has over 40 years of experience in geophysics, during which time he has been involved in field surveys, operations, management, data quality, safety, data enhancement, compilation and interpretation for various projects throughout the world. Ted was an owner and president of High-Sense Geophysics Ltd. (the third largest geophysical airborne survey company in the world). He has participated in projects as diverse as oil basin studies, mineral and diamond exploration and radioactive satellite fragment recovery. Academically, Ted has conducted research (M.Sc., Ph.D., and professionally) into the correlation of magnetic anomalies with geological factors on both a large and small scale.

5. NSG'S QUALITY CONTROL

During data acquisition, the system will be monitored by the field QA/QC personnel to ensure that the equipment is secure and unchanged. If equipment has been noted to shift or a mechanical part of the aircraft has changed, another FOM will be flown.

Base station and survey flight data is collected immediately after each flight and duplicate copies made. Field staff verify completeness of flown lines, note and log any deviations from the flight path, identify (manual & 4th difference algorithm) and remove noise spikes (note: raw data is maintained), magnetic compensated channels created, daily progress report updated and posted for client, complete data set sent to NSG.

The iNAV V3 system, used for both flight and base station systems, store real time data on two independent storage media (hard disk, and a flash memory device). In the event that one of the devices fails or data were corrupted, a backup remains intact.

Post field production is done on a day-by-day basis. After the field data QA/QC process described in sections 7.4.1 and section 7.4.2, the data is sent to NSG's secure FTP. The post field QA/QC and leveling will be done by either Andrei Yakovenko or Dr. Ted Urquhart. The field staff is in contact with the in-house processor every evening to ensure data was received and to discuss previous flights. If there is an issue, the field staff can be reached by cell or satellite phone to make the necessary corrections before production continues. This immediate processing of the data to pre-final stages, benefits the client in three very important ways: First, there are multiple levels of personnel monitoring the survey data in a short period. If something is missed by the field staff, it will be caught by our in-house personnel before the survey progresses much further; second, we can update the client with current pre-final maps so areas of interest can be discussed and in-fills or re-flights can be planned before the survey lines are completed, thereby minimizing standby days; finally, the pre-final maps are ready the day after flying is completed and can be submitted for the clients approval.

The final products will be prepared as to the contract's obligations, section 8, and with Client's consent on all the data processing steps and procedures. A first version of the final products will be delivered to Client or other client representative for a review and approval.

For additional Data Processing and QA/QC information refer to the following sections regarding:

- Procedures including measures for aircraft's aeromagnetic system calibration (refer to sections 7.2.)
- Inflight data acquisition (sections 7.1 (except 7.1.4, 7.1.9, 7.1.10), 7.2, and 7.3)
- Flight path location (section 7.1.7)
- Ground magnetometer data acquisition (section 7.1.4)

- Data processing and map preparation (sections 7.4 and 8)

6. *EQUIPMENT SUITABILITY AND CONTINGENCY PLAN*

6.1 Availability and quality of proposed data acquisition and processing equipment

Aircraft:

A Bell 206B or similar helicopter provided by Northern Air Support (NAS) based in Kelowna, BC, will be used.

The aircraft with its field crew will operate from Carmacks, YT, and be using a certified fuel truck or fuel drums for refueling at those locations and/or designated fuel cash closer to the survey areas.

Client will be responsible for providing certified Jet fuel for the helicopter.

The aircraft will be limited to VFR flying conditions. All other conditions will be left to the discretion of the pilot in command.

Data Acquisition:

NSG builds and maintains its own proprietary data acquisition systems known as iDAS. The iDAS system features the KroumVS Instraments KMAG4 magnetometer counter and the KANA8 analog to digital converter. The systems are built with a wide range voltage input (9V to 36V) to accommodate a variety of aircraft power supplies.

The iDAS system uses sophisticated software to provide an autonomous "Operatorless" system resulting in a SAFER survey environments by removing the need for an operator on board the aircraft.

The systems will be available within two weeks of the signing of the contract.

For the data processing NSG is using Geosoft Oasis montaj with a number of build in GX scripts.

6.2 Electronic navigation

Pilot Friendly Navigation display (PI) delivers all the navigation and control features necessary for the pilot to safely maintain the highest quality flight line specifications without additional safety risk of having an operator on board the aircraft (see also section 7.1.7).

6.3 Safety Plan

Safety is the number one priority at NSG. NSG is an active member of the International Airborne Geophysics Safety Association (IAGSA)

Prior to mobilizing to the job site, IAGSA Risk Analysis and NSG Job Safety Plan will be prepared in the Markham office. There are areas of the report that require a physical presence on the job site (i.e. reconnaissance flight, identifying local hazards, etc.). At the job site, before each departure, the pilot will contact the local air traffic controller.

Prior to flying the first production line, a safety meeting is held by a NSG representative where each of the reports is explained to all members of the survey crew. A reconnaissance flight will then take place and the IAGSA Risk Analysis and NSG Job Safety Plan will be completed.

Every Sunday, a weekly safety meeting takes place where any and all the safety concerns and issues during the past week are brought to attention and logged to a weekly safety report.

Pilot safety is enhanced by the use of a flight following system that provides updates at 2-minute intervals on the GPS location of the aircraft. This information is monitored in real time on the internet by authorized personnel. In case of an emergency the pilot could press a “Panic Button” connected to the Flight Following and the signal will be transmitted at around 10 sec. intervals or less, which would drastically reduce the search area in a case of emergency landing.

The client will be provided with a login for real time monitoring of aircraft activities through this Flight Following System.

In addition, the Flight Following has an integrated satellite phone that is connected directly to the pilot’s headset. This minimizes any distraction to the pilot when sending or answering a call.

Prior to the flight’s departure, a NSG representative records all the information regarding the aircraft status, such as time of departure, endurance, fuel level, etc.

Once in the air, NSG representative monitors the aircraft at least once every half hour. In case of internet problems, a call will be given right away to the satellite phone integrated to the pilot’s headset and once every hour.

If the flight following signal is lost and the pilot cannot be reached by satellite phone, then NSG’s emergency response procedure is initiated (detailed in the NSG Job Safety Plan).

The aviation company will adhere to all the standards and requirements for local approved air operators.

In summary:

- NSG is active members of International Airborne Geophysics Safety association (IAGSA)
- On each job NSG completes both IAGSA Risk Analysis and NSGs Job Safety Plan forms.
- NSG conducts daily safety meetings with the crew before any flying takes place.

- A Flight Following system will accompany NSG iDAS system that provides updates on every 2 minute intervals, which could be monitored through internet access.
- In addition, the Flight Following has an integrated satellite phone that is connected directly to pilot’s headset. Thus minimizing any distraction if pilot decides to send or receive a call.
- The client will be provided with a login for real time monitoring of the helicopter activities through the flight following system.

6.6 Safety Record

No accidents or near accidents have ever occurred at NSG. Since its inception, the company has flown over 45 magnetic and/or radiometric surveys totaling well over half a million line kilometers without an accident.

In addition, High-Sense Geophysics formed in 1993, owned by NSG president Dr. Ted Urquhart, also had an accident-free history. High-Sense rose to become one of the world’s largest airborne survey contractors and had met and exceeded the rigorous safety standards of BHP, Shell, and Phillips, among others. It had performed surveys without incident or accident in difficult areas including Vietnam, China, Mongolia, Mauritania, Democratic Republic of the Congo, Brazil, and Sudan.

7. TECHNICAL APPROACH

7.1 AIRBORNE AND GROUND INSTRUMENTATION

7.1.1 Aircraft Type

The aircraft allocated to conduct this survey is a JetRanger 206B helicopter (or different see Section 6.1) with a fix mount stinger assembly with a Cesium magnetometer mounted in it.

7.1.2 Geophysical Flight Control System

A geophysical flight control system, designed and built by NSG will be provided. This system will control, monitor and record the operation of all the geophysical and ancillary sensors.

7.1.3 Airborne Magnetometer

The magnetometers will be cesium sensors, operated in strap down tail stinger mount. The orientation of the sensor is adjustable, to provide optimum coupling with the earth's field on reciprocal headings. The magnetometer has a sensitivity of better than 0.01 nT at a sampling interval of 0.1 s. The magnetometer has the capability to measure ambient magnetic fields in the range of about 100 to more than 100,000 nT.

The airborne magnetometer is supplemented with an 18-term digital compensation system that uses the input from a 3-axis fluxgate to determine the aircraft's attitude and rate of change with respect to the earth's magnetic field. The compensation system identifies the permanent, induced and eddy current magnetic contributions of the aircraft and provides a correction to be applied to the raw magnetic data to remove the maneuver noise.

A FOM will be calculated by summing the absolute errors of each of the 12 maneuvers and will be less than 3 nT.

7.1.4 Ground Magnetometer

Scintrex Cesium CS3 or GSM19 Proton magnetometers will be operated at the base of operations within or near the survey area in an area of low magnetic gradient and free from cultural noise. The sensitivity of the ground magnetometer will be equal to better than 0.1 nT. Data will be recorded continuously every 1 second (or a rate defined by the client) throughout the survey operations in digital form. Both the ground and airborne magnetic readings are automatically time stamped with GPS time to within 0.005 seconds ensuring a very high degree of correlation based on broadcast GPS satellite time.

7.1.5 Radar Altimeter

A Terra 3500 radar altimeter will be operated in the aircraft throughout the survey to provide ground clearance information. The altitude will be recorded every 0.1 second or better. This instrument has a linear performance over the range of 0 to 2500 feet.

7.1.6 Fluxgate Magnetometer

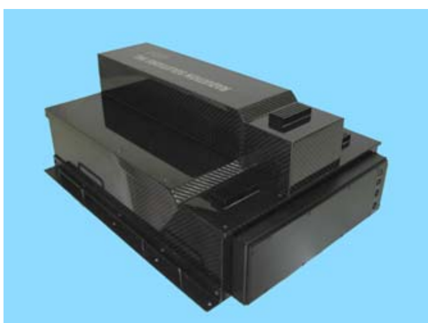
To achieve quality compensation NSG uses a Bartington Mag-03 Three Axis Magnetic Field Sensors. These compact, high performance fluxgate magnetometers with integral electronics provide reliable precision measurements of static and non-static magnetic fields in three orthogonal axes. The magnetometer is mounted inside the stinger assembly.

7.1.7 GPS Navigation

A 16-channel GPS navigation system will be used for navigation and flight path recovery. The Ublox RCB-LJ GPS receiver board is powered by the ANTARIS® positioning engine.

The leading ANTARIS® GPS Engine provides excellent navigation performance under dynamic conditions in areas with limited sky view like urban canyons, high sensitivity for weak signal operation without compromising accuracy, and support of DGPS and multiple SBAS systems like WAAS and EGNOS. The 16 parallel channels and 8192 search bins provide fast start-up times. The aiding functionality accelerates start-up times even further. The low power consumption and FixNow™ power saving mode make this product suitable for handheld and battery-operated devices.

7.1.8 Spectrometer



The RS-500 Airborne Spectrometer with RSX-5 detector pack, manufactured by Radiation Solutions Inc. (RSI), will be used for the survey. The RS-500 spectrometer has a multi-peak gain stabilization algorithm and is capable of recording 1024 channels with accuracy of 0.1 to 10 counts/second.

The RS-500 is connected to a crystal pack comprising four downward looking crystals (16 liters total) and one upward looking crystal (4 liters total). The downward crystals record the radiometric spectrum from 410 KeV to 2810 KeV over 1024 discrete energy windows, as well as from a cosmic ray channel that detects photons with energy levels above 3.0 MeV. From these 256 channels, the standard Total Count, Potassium, Uranium and Thorium channels are extracted. The upward crystal is used to measure and correct for atmospheric Radon interference. The shock-protected Sodium Iodide (Thallium) crystal package is unheated and automatically stabilizes with respect to the multiple peaks. The RS-500 provides raw data that has been automatically corrected for gain, base level, ADC offset, and dead time.

A resolution test will be performed before the first and after the last flight each day in order to monitor sensitivity and resolution of the crystal pack.

7.1.9 Field Data Verification System

NSG will provide a complete PC based magnetic map compilation facility, to serve as a field verification system The PC computer based system is equipped with all the software necessary to produce preliminary data images in the field. Data will be provided to the client in a Geosoft format.

The digital data records will be verified at the project site to confirm that data recording has taken place within specifications. All raw digital data recorded in flight and on the ground station magnetometer will be duplicated on site to prevent loss, and stored in separate locations.

In the base where there is e-mail connection, data will be sent on a daily basis for further examination in the head office where areas of infill will be chosen.

7.1.10 Flight Following System

NSG places the highest priority on safety and uses satellite tracking and communication technology to monitor all its survey flights. The aircraft will be equipped with Latitude Technologies Skynode S200, a system that includes satellite phone, flight tracking, and messaging transceiver. This system uses the Iridium satellite network, which provides both voice and data communications between the aircraft and ground stations.

The S200 system can be set up for different time frames; it now automatically updates its position at least once every 2 minutes allowing NSG's field or office staff to monitor the progress of the survey flights. All flight staff are trained in the use and the operation of the S200 system.

During the survey, if the pilot experiences any problems with operation of the survey equipment or encounters any other difficulties, he/she can call the field or office staff for support through the satellite phone, which is integrated into the pilots head set. In the event of flight operations problems, field staff can often troubleshoot and correct difficulties allowing survey flights to continue uninterrupted.

In the event of an emergency the pilot may press the “Panic Button” which will cause the system to immediately transmit the location and heading of the aircraft and will continue to transmit the current position of the aircraft continuously at around 10 sec. intervals until the emergency system is turned off.

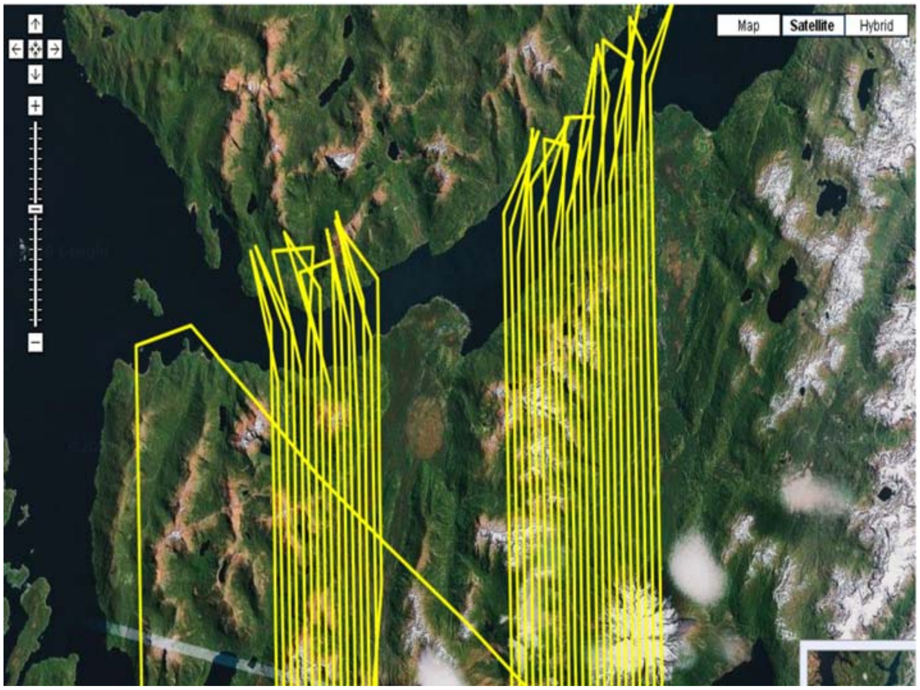


Figure 7.1 Screenshot of Flight Following Through Internet Web Browser

7.2 INSTRUMENT CHECKS AND CALIBRATIONS

Failure to meet the specifications in any check or calibration test will be cause for corrective action by NSG or approval of the Client before survey operations can be undertaken.

7.2.1 Magnetometer

Figure of Merit (FOM)

A test will be flown on-site prior to the survey to determine the FOM of the installed magnetometer. The system will be flown on the four cardinal headings doing a pitch, roll, and yaw, maneuver on each. The FOM will be calculated by summing the absolute errors of each of the 12 maneuvers and will be less than 3 nT.

7.2.2 Altimeter

Checks of the radar altimeter calibration will be undertaken above the base airstrip or some other suitable location with known elevation and flat terrain.

7.2.3 Radiometric

7.2.3.1 Pre-survey Spectrometer Calibrations and Tests

Calibration of the spectrometer system is a vital process to airborne radiometrics or airborne gamma-ray spectrometry. The calibration of the spectrometer system involved three tests:

• Calibration Pad measurements, which are used to determine the “spectral overlap” (Compton scattering) coefficients. The calibration test is performed within a 12 month period before and/or during the survey by the manufacturer, Radiation Solutions Inc., at its headquarters location in Mississauga, Ontario.

• Cosmic Flight Test, which is used to determine the aircraft background values and cosmic coefficients. A series of high altitude test lines (e.g., 8,000 ft, 9,000, ft, 10,000 ft, and 11,000ft (if capable) above sea level) will be flown in the vicinity of the survey areas.

• Height Attenuation Test, which determines the altitude attenuation coefficients. A series of test lines (e.g., 50 ft, 100, ft, 150 ft, 200, ft, 250 ft, 300 ft, 400, 600 ft, 800 ft, and 1000 ft above ground) over dry and flat ground, will be flown in the vicinity of the survey areas.

7.2.3.2 During-Survey Spectrometer Calibrations and Tests

7.2.3.2.1 Resolution Daily Tests

The usual measure of the energy-resolution of a spectrometer system uses the “full width at half maximum (FWHM)” of a photo-peak. This is the width of the peak at half the maximum amplitude divided by the energy of the photo-peak.

The overall system resolution based on the Th photo-peak at 2.61 MeV should always be better than 7% on all downward looking crystals. If the resolution changes by more than 1% (eg, 4% to more than 5%) from that measured at the start of the survey, flying operations will be ceased until the source of the problem is found and rectified.

This test is not required with the RS-500 system and will only be performed at the Clients request and upon availability of Th source material.

7.3 DATA RECORDS

7.3.1 Digital Records

The airborne data acquisition system will record the following information digitally in a format that enables the recording of each variable over its full dynamic range:

Fiducial count
GPS UTC time
GPS latitude, longitude, UTM easting, northing and elevation above ellipsoid
Raw magnetic total field
Calibrated radar altimeter output
Three Fluxgate channels
Raw Potassium counts
Raw Thorium counts
Raw Uranium counts
Raw upward-looking Uranium counts

Raw Total Count
Raw Cosmic counts
Live Time
Downward Spectrum

The base station will record the following information digitally in a format that enables the recording of each variable over its full dynamic range.

GPS time (used as fiducial number)
GPS raw satellite range information
Raw magnetic total field

All survey parameters including raw magnetic total field, electronic positioning, radar altimeter, and time and fiducial markers will be recorded digitally during data acquisition in flight. The magnetic base station will record total magnetic field and GPS time.

The data acquisition system organizes the data in a form directly suited to building the processing database. This digital file structure has for each traverse and control line a unique line number and segment number. The base station magnetic profile and GPS coordinates are added to the database using GPS time for alignment.

7.4 DATA COMPILATION AND MAP PRESENTATIONS

The NSG Field-Mapper PC based computer compilation system will be used to process the collected geophysical data on-site as the survey progresses. The 'on-site' processing will enable the Client to review the magnetic data to evaluate targets to make a qualified decision regarding any changes to the survey quantity and size. This will allow the selection of “in-fill” or area extensions. The preliminary data will be sent via FTP site (assuming reasonable speed internet connection is available) for the client’s review at least once a week (more often should the client require).

7.4.1 Magnetic

7.4.1.1 Field Data Processing

After collecting flight and base station data, flight data will be imported to Oasis montaj using a NSG template that includes all project data channels. Next flight data will be windowed to only include flight path data within the survey block using custom NSG script that will be developed for the survey areas.

Magnetic flight data from the tail will then be duplicated to ensure original raw data is not modified in any way. Profiles for the duplicated channels are then checked for visible noise spikes. Any noise spikes are then cleaned manually and interpolated. From there, field staff will run an automated script that will look for any missed noise spikes. This automated script employs a 4th difference algorithm to identify noise spikes in magnetic data. After other channels (radio altimeter, flux gate profiles etc.) are inspected for normal behavior that database is prepared for magnetic compensation. Using QC Tools, compensation coefficients are applied to the cleaned magnetometer channel and the database is saved.

From here, NSG staff will import base station data into Oasis montaj using a NSG template. Base station data is duplicated to maintain a raw channel and then checked for visible noise spikes. After noise spikes have been removed and interpolated, a 101 (or other job specific) low pass filter is applied to base station magnetic channel and the database is saved.

Next, the flight and base station databases are merged, synchronized (using the GPS clock channel recorded by both systems), compressed, encrypted and sent to NSG’s secure server in Toronto, for in-office QA/QC and processing procedure.

NSG field staff from there will updated and complete all daily logs (weekly progress report, daily procedures checklist, weekly summary meeting etc.).

7.4.1.2 Post-Field

As the data being received from the field on day-to-day basis it is reviewed for QA/QC once again to insure that nothing got missed in the field. The data is checked for quality of magnetic signal from all sensors, including the base station magnetometer, fluxgate magnetometer, radar altimeter, line deviations etc. The profiles of the above data are plotted and checked on line-by-line basis. Algorithms like 4th-difference are used to check the CS3 signal.

After the data has been QA/QC checked it is merged with an ongoing master database. Where the following data processing steps take place:

1) Diurnal correction - subtracted directly from the aeromagnetic measurements to provide a first order diurnal correction. The mean of base station readings is added back to the data.
2) Heading error correction - using pre-constructed heading table.

3) Lag correction – to correct for sensor-to-GPS offset.
4) Simple Leveling - a survey line/control line network will be created in order to determine differences in magnetic field at the line intercepts. The differences will be calculated and tabulated, then used to guide subsequent manual leveling on any lines or line segments which required adjustments. See image below for an example of contour Total Magnetic Intensity (TMI) map produced after Simple Leveling was applied.
5) Microleveling – depending on the Simple Leveling results a Microleveling might be needed in order to further correct the data for linear line-to-line noise. The technique used will be the one developed by Paterson, Grant & Watson Limited and available through Geosoft Oasis montaj with the mutually accepted parameters.
6) IGRF correction - The total field strength of the International Geomagnetic Reference Field (IGRF) 2005 model will be calculated for every data point, based on the spot values of latitude, longitude and GPS altitude, using the 2005 model. This IGRF will be removed from the measured survey data on a point-by-point basis. The mean of IGRF readings is added back to the data.

7.4.1.3 Magnetic data filtering and gridding

A cosine filter (e.g., 31-51 points) will be applied to 50Hz data before re-sampling the data to 10Hz.

The TMI grid will be produced using bi-directional gridding technique, with 20 m cell size (or other suitable size depending on liner spacing) and Akima spline across and down lines.

7.4.2 Radiometric

7.4.2.1 Field Data Processing

After collecting flight data, the radiometric data will be imported to Oasis montaj using a NSG template that includes all project data channels. Next flight data will be windowed to only include flight path data within the survey block. After, an in house-developed radiometric processing GX will be run on the database, which will apply the following corrections:

7.4.2.1.1 Pre-filtering

The cosmic and radar altimeter channels will be processed with a 10-20 point and 5 point low pass filter respectively to remove spikes.

7.4.2.1.2 Live Time correction

All the elements including upward looking Uranium and Total Count will be corrected for Live Time using the following formula:

Clt = Craw x (1000/LT)

Where:

- *Clt* is the live time corrected channel
- Craw is the raw channel
- LT is the Live Time channel

7.4.2.1.3 Aircraft and Cosmic Background

Aircraft background and cosmic stripping corrections will be applied to the Total Count, Potassium, Uranium, Thorium and upward Uranium channels using the following formula:

Cac = Clt – (ac + bc x Cosf)

Where:

- *Cac* is the background and cosmic corrected channel
- *Clt* is the live time corrected channel
- *ac* is the aircraft background for this channel
- *bc* is the cosmic stripping coefficient for this channel
- *Cosf* is the filtered cosmic channel

All negative counts after this correction step will be replaced with zeroes.

7.4.2.1.4 Compton Stripping

Following the radon corrections for Uranium and Total Count, the potassium, uranium and thorium will be corrected for spectral overlap. First the stripping ratios α, β, and χ were modified according to altitude. Then an adjustment factor based on the reversed stripping ratio (a), uranium into thorium, was calculated.

$$\alpha h = \alpha + hef \times 0.00049$$
$$\beta h = \beta + hef \times 0.00065$$
$$\chi h = \chi + hef \times 0.00069$$

Where:

- α, β, χ are the Compton stripping coefficients
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- hef is the height above ground in meters

The stripping corrections are then carried out using the following formulas:

$$ar = \frac{1}{1 - a\alpha h}$$

$$Th_c = (Th_{bc} - aU_{rc}) \times ar$$

$$U_c = (U_{rc} - Th_{bc}\alpha h) \times ar$$

$$K_c = K_{bc} - \beta h Th_c - \chi h U_c$$

Where:

- U_c, Th_c, and K_c are corrected Uranium, Thorium and Potassium
- $\alpha h, \beta h, \chi h$ are the height corrected Compton stripping coefficients
- U_{bc}, Th_{bc}, and K_{bc} are background and cosmic corrected Uranium, Thorium and Potassium
- ar is the backscatter correction
- a is the reverse stripping ratio U into Th

All negative counts after this correction step will be replaced with zeroes.

7.4.2.1.5 Attenuation Corrections

The Total Count, Potassium, Uranium and Thorium data will then be corrected to a nominal survey altitude according to the equation:

$$Ca = C \times e^{-\mu(h0-h)}$$

Where:

- Ca is the output altitude corrected channel
- C is the input channel
- μ is the attenuation correction for that channel
- h is the radar altimeter height, in metres
- $h0$ is the nominal survey altitude used as datum

All negative counts after this correction step will be replaced with zeroes.

7.4.2.2 Office Data Processing

All of the above calibration procedures, tests and corrections applied in the field will be reviewed for QA/QC by assigned office QA/QC and data processing person .

7.4.2.3 Radiometric grids

Grids of Potassium, Thorium, Uranium and Total Count will be produced using bi-directional gridding technique, with 25 m cell size (or other suitable size) and Akima spline across and down lines.

8. *FINAL PRODUCTS*

The following is the list of items that will be delivered to the Client:

Hard copies (2 copies):

- Ternary map of Th, U and K (1:20,000 scale)
- Map of Potassium (1:20,000 scale)
- Map of Thorium (1:20,000 scale)
- Map of Uranium (1:20,000 scale)
- Map of Total Count (1:20,000 scale)
- Map of Total magnetic Intensity (1:20,000 scale)
- 1st order Vertical Derivative (1:20,000 scale)
- Digital Terrain Model (1:20,000 scale)
- Final Logistics Report

Soft copies (2 copies):

- Ternary map of Th, U and K at 1:20,000 scale
- Grid and map of Total Magnetic Intensity at 1:20,000 scale
- Grid and map of Potassium counts at 1:20,000 scale
- Grid and map of Thorium counts at 1:20,000 scale
- Grid and map of Uranium counts at 1:20,000 scale
- Grid and map of Total Count at 1:20,000 scale
- Grid and map of 1st order Vertical Derivative at 1:20,000 scale
- Grid and Map of Digital Terrain Model at 1:20,000 scale
- Final Logistics Report
- Radiometric data database in Geosoft gdb format including all raw data and height corrected Potassium, Thorium, Uranium, and Total Count
- Magnetics data database in Geosoft gdb format including raw data, base station, compensated, base station corrected, IGRF corrected, heading corrected, lag corrected, simple leveled, and microleveled (optional) total field.
- Database and channel descriptions file in Excel format
- Weekly and Line Progress report

9. TIME SCHEDULE

The project will start on July 13, 2011.

10. TERMINATION

In the event that the geophysical platform or equipment becomes inoperable, NSG will proceed with diligence to rectify the problem within a reasonable period of time. If within the aforementioned period of time NSG fails to rectify the problem, the Client may, at their discretion, terminate the work under this Proposal in full or in part. In the event of such termination, the Client shall be obliged to pay NSG for services rendered only up to the date of receipt of a written notice of such termination and for documented expenses incurred by NSG prior to the date of receipt of termination notice, and for reasonable cancellation and demobilization costs.

11. LOCAL LICENSES, PERMITS AND CUSTOMS

Client will take the responsibility for obtaining all local licenses and permits required to perform the services. Out of pocket costs for permitting will be reimbursed by the client.

12. GENERAL CONDITIONS

NSG will carry out the agreed services in a proper and workmanlike manner with a high standard of safety and in accordance with the laws, rules and regulations applicable to the project location.

At all times during the term of this Proposal, the NSG or its subcontractors shall carry and maintain at its own expense, work insurance protection of the kinds and in the minimum amounts set forth below:

12.1 NSG Liability Insurance

- Employer's Liability and Workmen's Compensation insurance to cover employees furnished by NSG including:

  (a) Statutory Workmen's Compensation benefits in compliance with the laws of the state, province or country in which the aircraft operations under this Proposal will be performed;

  (b) Employer's Liability to have limits of not less than $5,000,000 per person, and $5,000,000 per accident;

  (c) Employer's Liability applicable to all provisions outlined above with limits not less than $5,000,000 each person, $5,000,000 each occurrence.

- Comprehensive General Liability Insurance. Such insurance shall cover all operations in all provinces, states and countries in which the aircraft operation or services may be performed by NSG hereunder and shall include the following:

  (a) Limits of liability: not less than $5,000,000 for death or injury of any one person, $5,000,000 in the aggregate for all persons injured or killed as the result of any one accident, and $5,000,000 for loss of or damage to property resulting from any one accident.

  (b) Contractual liability coverage for NSG's obligations hereunder;

13. CHARGES AND PAYMENT TERMS

Total estimated cost for Survey and Map Production

Block Names	Line Spacing (Traverse/Control)	Estimated Total Line Km	Price per Line Km ($CAD)*/**	Mob/Demob ($CAD)*	Estimated Total***/****
BBB	100m/1000m	435	$92.31	$4,800	**$ 83,171.10**
Dade	100m/1000m	395	$96.75		

Stand-by of CAD $1,430.00/day will be charged on those days where flying is not possible due to inclement weather, atmospheric conditions, labor unrest, government intervention or other stoppages beyond the control of the contractor.

*Note: The line Km and mobilization/demobilization rates are based on condition that the an additional block (known as Klaza Extension, as per the contract with Rockhaven Resources Ltd.) will be flown during the same period as BBB and Dade blocks. The total estimated survey line Km will be 1,295.

**Note: The line Km rate is based on condition that client provides sufficient amount of Jet fuel for the helicopter at the following sites: Klaza camp, Carmacks.

***Note: The estimated total will depend on the final number of line Km to be flown. The actual line Km distances may be slightly less or more than estimated.

****Note: These prices are net of all local taxes.

Payment Schedule

An initial payment, due on signing and mobilization: 50% of selected survey Plan price

Second payment, due on completion of flying: 40% of selected survey Plan price

On delivery of final maps and reports: Balance

All invoices are due and payable upon submission at the Client's address indicated in Section 1 of this Survey Agreement. A service charge of 0.4 % per week on unpaid balance is payable on all overdue accounts.

The payment schedule is subject to negotiation should the proposed schedule not conform to the client's norms and regulations.

Funds will be paid by wire transfer to:

In CAD Funds

Beneficiary:	New-Sense Geophysics Limited
Bank:	The Bank of Nova Scotia
Account #:	02011
Transit #:	11452
Institution Code:	002
Swift:	NOSCCATT
ABA Routing:	026002532
Address:	880 Eglinton Avenue E. at Laird Drive Toronto, Ontario, M4G 2L2, Canada

NEW-SENSE GEOPHYSICS

Name (print): Andrei Yakovenko

Title: V.P. Operations

Date: July 13, 2011

Signature:

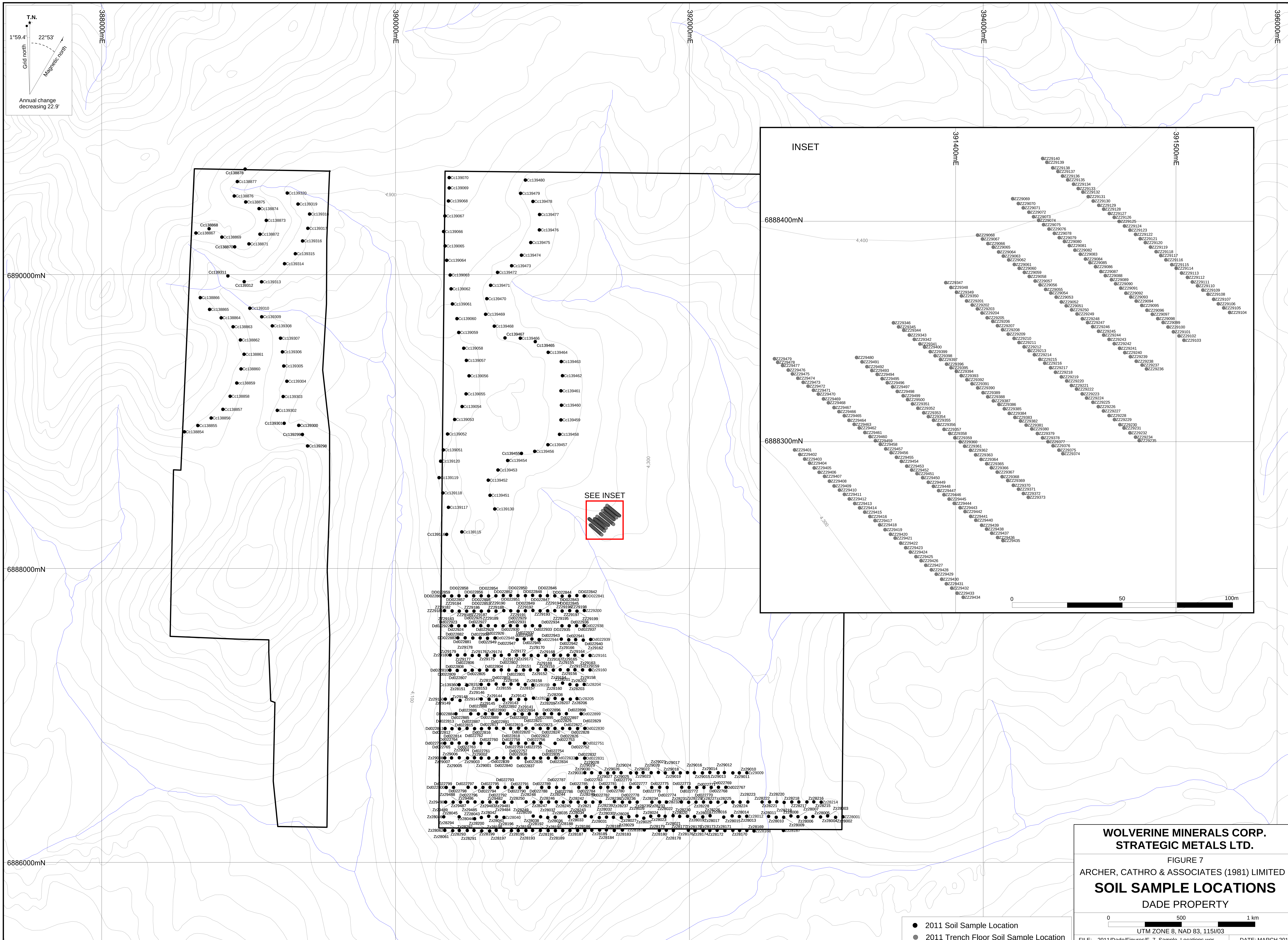
WOLVERINE MINERALS CORP..

Name (print): Heather Smith

Title: Project Geologist /Supervisor

Date: July 13, 2011

Signature: Heather Smith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22°53'
Grid north
Magnetic north
Annual change decreasing 22.9'
388000mE
390000mE
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391400mE
391500mE
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2011 Soil Sample Location
2011 Trench Floor Soil Sample Location
WOLVERINE MINERALS CORP.
STRATEGIC METALS LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SOIL SAMPLE LOCATIONS
DADE PROPERTY
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FILE: ...2011/Dade/Figures/F_7_Sample_Locations.wor
DATE: MARCH 2012