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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING AND EXCAVATOR TRENCHING**

at the

**SKED PROPERTY**

Sked 1-30 YD07655-YD07684  
31-36 YC99722-YC99727  
Desk 1-6 YC47461-YC47466

NTS 115I/03

Latitude 62°02'N, Longitude 137°17'W

located in the

Whitehorse Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**WOLVERINE MINERALS CORP.**  
and  
**STRATEGIC METALS LTD.**

by

Heather Smith, B.Sc., P.Geo

April 2012

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## **INTRODUCTION**

The Sked and Desk claims comprise what are referred to collectively as the Sked property. The Desk claims cover a zone of known gold and copper mineralization, while the Sked claims were staked to cover the projected continuation of that mineralization. The Sked property lies within the Dawson Range Gold Belt of western Yukon. Wolverine Minerals Corp. can earn a 100% interest in the Sked claims subject to an option agreement with Strategic Metals Ltd. and can earn a 100% interest in the Desk claims subject to a separate option agreement with R. Hulstein, an arms-length individual.

This report describes a 16 day exploration program that was conducted by Archer, Cathro & Associates (1981) Limited in summer 2011 on behalf of Wolverine. The work comprised geochemical sampling and mechanized trenching. Trenching was performed from June 16 to 30 and geochemical sampling was done on July 27. The author directed the program and her Statement of Qualifications appears in Appendix I.

## **PROPERTY LOCATION, CLAIM DATA AND ACCESS**

The Sked property consists of 42 contiguous mineral claims, which are located on NTS map sheet 115I/03 at latitude 62°02' north and longitude 137°17' west (Figure 1). The property covers an area of approximately 850 ha (8.5 sq km). The Sked claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic and the Desk claims are registered with the Whitehorse Mining Recorder in the name of R. Hulstein. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
SKED 1-30	YD07655-YD07684	March 23, 2018
31-36	YC99722-YC99727	March 23, 2016
DESK 1-6	YC47461-YC47466	March 23, 2016

\* Expiry dates include 2011 work which has been filed for assessment credit.

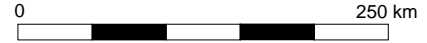
The 2011 trenching program was completed from a temporary fly camp on the Sked property. Helicopter support for mobilization, demobilization and supply trips was provided by a Bell 206B helicopter owned and operated by Capital Helicopters (1995) Inc. of Whitehorse, from a temporary base at Rockhaven Resources Ltd.'s Klaza property, which is located nine kilometres north of the Sked property. The geochemical sampling program was done using the same helicopter, with set out and pick up from the Klaza property. The Klaza property lies about 70 km by road west of the community of Carmacks and can be reached using two wheel drive vehicles during summer months, via the Mount Nansen road system. Historical access to the property was by a seven kilometre bush road/bulldozer trail that connects to the Mount Nansen Road (Figure 2).

**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


**PROPERTY LOCATION**

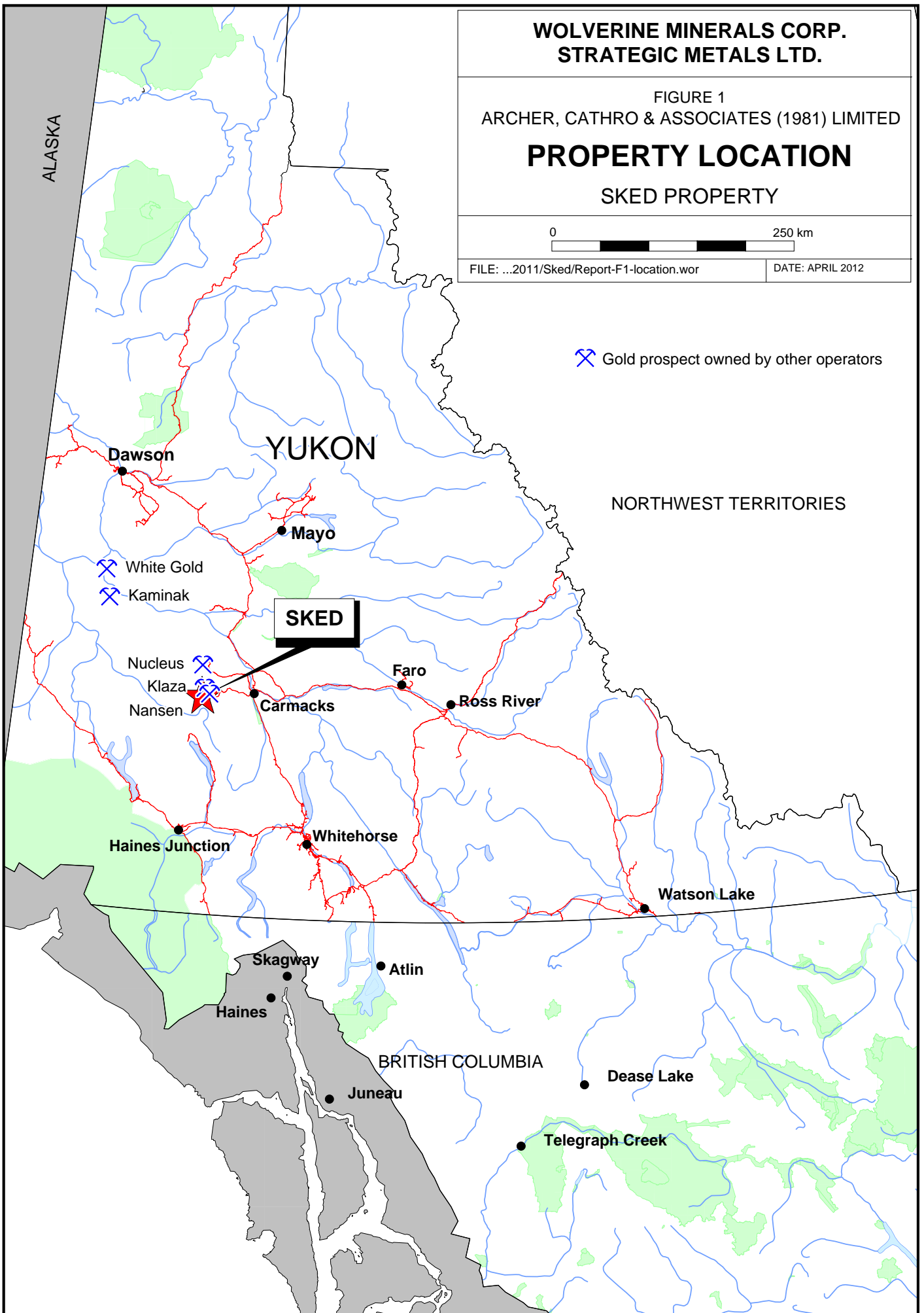
SKED PROPERTY

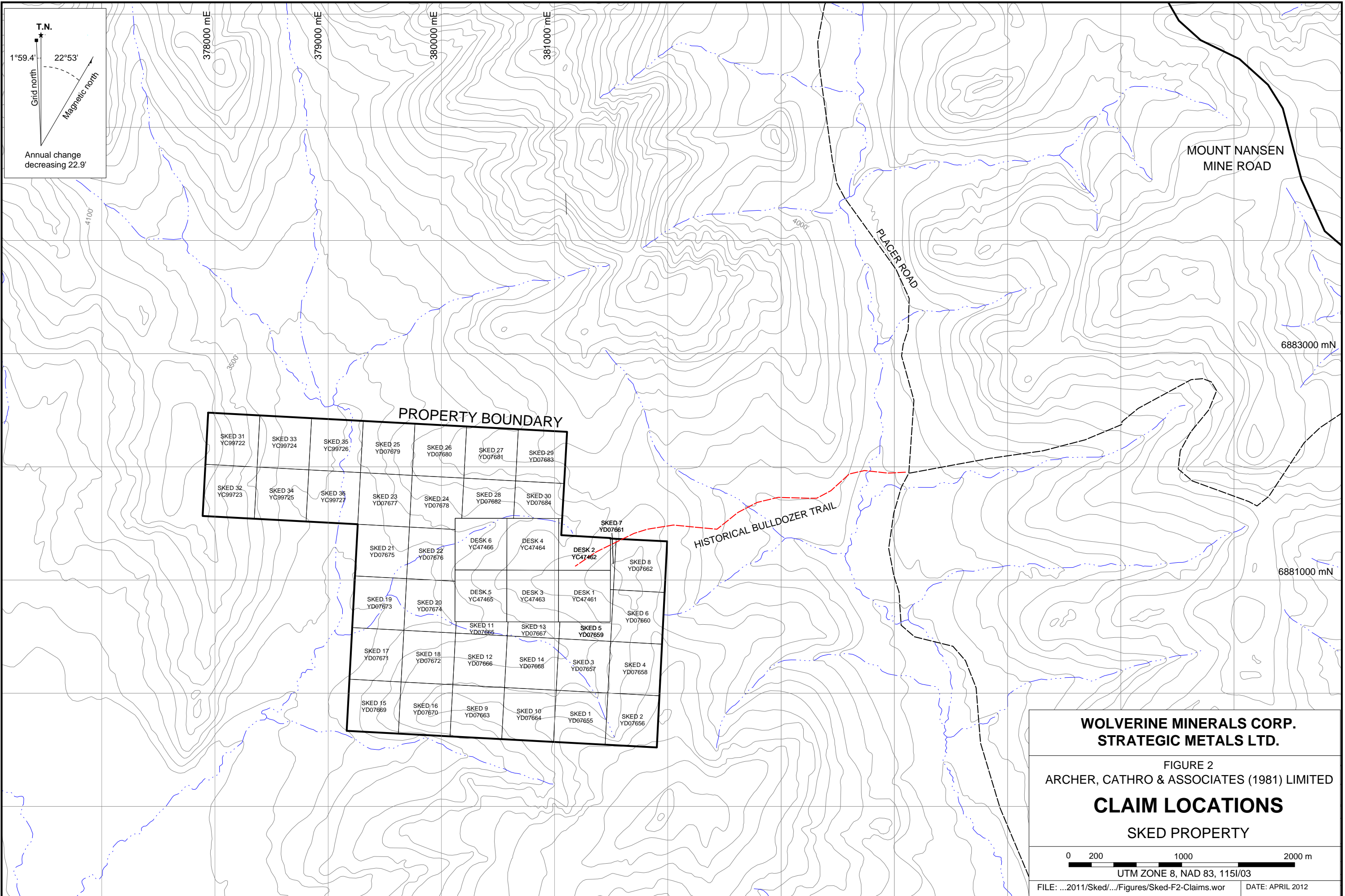


FILE: ...2011/Sked/Report-F1-location.wor

DATE: APRIL 2012

 Gold prospect owned by other operators





T.N.  
 1°59.4' 22°53'  
 Grid north  
 Magnetic north  
 Annual change decreasing 22.9'

**PROPERTY BOUNDARY**

SKED 31 YC99722	SKED 33 YC99724	SKED 35 YC99726	SKED 25 YD07679	SKED 26 YD07680	SKED 27 YD07681	SKED 29 YD07683
SKED 32 YC99723	SKED 34 YC99725	SKED 36 YC99727	SKED 23 YD07677	SKED 24 YD07678	SKED 28 YD07682	SKED 30 YD07684
	SKED 21 YD07675	SKED 22 YD07676	DESK 6 YC47466	DESK 4 YC47464	DESK 2 YC47462	SKED 8 YD07662
	SKED 19 YD07673	SKED 20 YD07674	DESK 5 YC47465	DESK 3 YC47463	DESK 1 YC47461	SKED 6 YD07660
	SKED 17 YD07671	SKED 18 YD07672	SKED 11 YD07665	SKED 13 YD07667	SKED 5 YD07659	
	SKED 15 YD07669	SKED 16 YD07670	SKED 12 YD07666	SKED 14 YD07668	SKED 3 YD07657	SKED 4 YD07658
		SKED 9 YD07663	SKED 10 YD07664	SKED 1 YD07655	SKED 2 YD07656	

MOUNT NANSEN  
MINE ROAD

PLACER ROAD

HISTORICAL BULLDOZER TRAIL

**WOLVERINE MINERALS CORP.  
 STRATEGIC METALS LTD.**

FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**

SKED PROPERTY

0 200 1000 2000 m  
 UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011/Sked/.../Figures/Sked-F2-Claims.wor DATE: APRIL 2012

## **HISTORY AND PREVIOUS WORK**

The Sked property is located on the western edge of the Mount Nansen Mining Camp, which hosts approximately 30 mineral occurrences of epithermal or porphyry origin, including the former Brown-McDade, Heustis and Webber mines and the Klaza prospect, which are described in the Regional Mineralization section below.

In 1987, the Dows claims were staked by independent prospector E. Curley after anomalous gold values were returned from mineralized float samples taken from hand trenches. Two back-hoe trenches dug to bedrock near the hand trenches revealed an area of silicification and clay alteration at the contact between quartz-feldspar porphyry dykes and schistose country rocks (Galambos, 1988). This area is on the current Desk claims.

In early 1988, Noranda Exploration Company Ltd. optioned and expanded the Dows claims. That year it conducted mapping, grid soil sampling, mechanized trenching and geophysical surveys. Surface mapping was largely unsuccessful due to lack of bedrock exposures. A total of 673 soil samples, taken at 25 by 100 m spacings, identified a northeast-southwest trending anomaly that is strongly enriched in arsenic and mercury with spotty gold and low silver values. The two best soil samples returned: 1100 ppb gold, 2.0 ppm silver, 460 ppm arsenic and 1100 ppb mercury; and, 490 ppb gold, 4.4 ppm silver, 1100 ppm arsenic and 13,200 ppb mercury, respectively. A total of 39 rock and 134 chip samples were also collected during the 1988 program. The best specimen sample yielded 3.89 g/t gold and 6.9 g/t silver, while the trenching uncovered three zones of gold enrichment that ranged from four to thirty metres wide. Geophysical surveys on the Dows property included a 43 km magnetometer survey, a 4.6 km VLF survey and a four kilometre induced polarization survey. A broad magnetic low coincides with the high soil geochemical values, but these features are cut off to the north by a zone of low resistivity (Galambos, 1988).

Later in 1988, Noranda conducted additional soil geochemical sampling and a diamond drilling program that comprised five holes totalling 388.01 m (Figure 2). Due to strong clay alteration, core recovery was poor. No significant results were reported, and it was suggested that the mineralization might not follow the same orientation as the soil geochemical anomaly (Galambos, 1989).

In 1989, Noranda completed a single diamond drill hole (198 m). That hole intersected a section of quartz breccia, which averaged 2.43 g/t gold over 7.5 m including 10.2 g/t gold over 1.5 m. Despite this positive result, the property was returned to E. Curley (Schmidt, 1996).

In 1992, E. Curley jointly funded a 761 m trenching program with Noranda to test new ideas. Sixty-three channel samples, two rock and six soil samples were taken, but no significant results were reported (Schmidt, 1996; Mann and Slack, 1996).

In 1995, Atna Resources Ltd. optioned the Dows claims from E. Curley. A limited trenching program comprising 59 chip samples, 17 rock samples and 12 soil samples was completed. Trenching confirmed previous results, but failed to extend mineralization to the northwest.

BYG Resources Inc., which owned the nearby Mount Nansen Mine, also mapped and sampled the trenches (Mann and Slack, 1996).

In late 1995, Conquest Yellowknife Resources Ltd. sub-optioned the property from Atna and increased the property area by staking the Dows 119-124 claims. In 1996, Conquest completed two diamond drill programs totalling 1418 m in 11 holes. This drilling identified a wide zone of intense deformation, which hosts gold mineralization (Schmidt, 1996). Several anomalous intervals were intersected: 5.51 g/t gold and 13.13 g/t silver over 2.61 m (DDH-96-2); 6.64 g/t with low silver over 5.90 m (DDH-96-6); and 0.34 g/t gold and 5.09 g/t silver over 11.10 m (DDH-96-8).

The various generations of Dows claims expired between 2001 and 2006. In 2006, R. Hulstein staked the Desk claims.

Strategic staked the Sked claims in winter 2009 to cover the potential along strike extension of the mineralized zone on the Desk claims. In summer 2010, Strategic expanded the property to the northwest to cover a historical gold anomaly mapped on the west side of an unnamed tributary of Lonely Creek. A small geochemical sampling program comprising two grids to the northwest and southeast of the Desk claims was conducted on the Sked claims in 2010 (Chung, 2011). Results from this sampling were positive with background to strongly anomalous arsenic (up to 181 ppm) and copper (up to 140 ppm) and background to weakly anomalous gold (up to 23 ppb), lead (up to 14 ppm) and zinc (up to 85 ppm).

In September 2010, Wolverine signed an option purchase agreement with Strategic and in December of 2010, it signed an option purchase agreement with R. Hulstein.

### **GEOMORPHOLOGY AND CLIMATE**

The Sked property is situated on the southwestern flank of Mount Nansen, a local promontory, in the southeastern part of the Dawson Range. The property is drained by three unnamed tributaries of Lonely Creek, a branch of the Nisling River, which lies within the Yukon River watershed. Depending on snowpack and summer temperatures, the small tributaries draining the Sked property may have limited flow.

The Dawson Range is an ancient upland plateau that has been dissected by present drainages. The Sked property area was glaciated during the pre-Reid glacial event from Pliocene to early Pleistocene (Schmidt, 1996). The property is situated on a gentle west facing slope with elevation ranging between 1040 m in the lowest creek gully to 1250 m along ridge tops. Bedrock exposures are limited to trenches and outcrops on a ridge near the eastern edge of the property.

The entire property lies below treeline. South facing slopes are mainly vegetated with scattered spruce and poplar trees surrounded by an understory of buckbrush and grass. North facing slopes typically feature scattered shrubs and spruce trees with a mat of moss and grass.



The climate in the Sked 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.

### **REGIONAL GEOLOGY**

The Sked property is located within the Yukon-Tanana Terrane (YTT) as shown on Figure 3. The YTT represents a continental arc that developed along the ancient Pacific margin of North America from late Devonian to Permian.

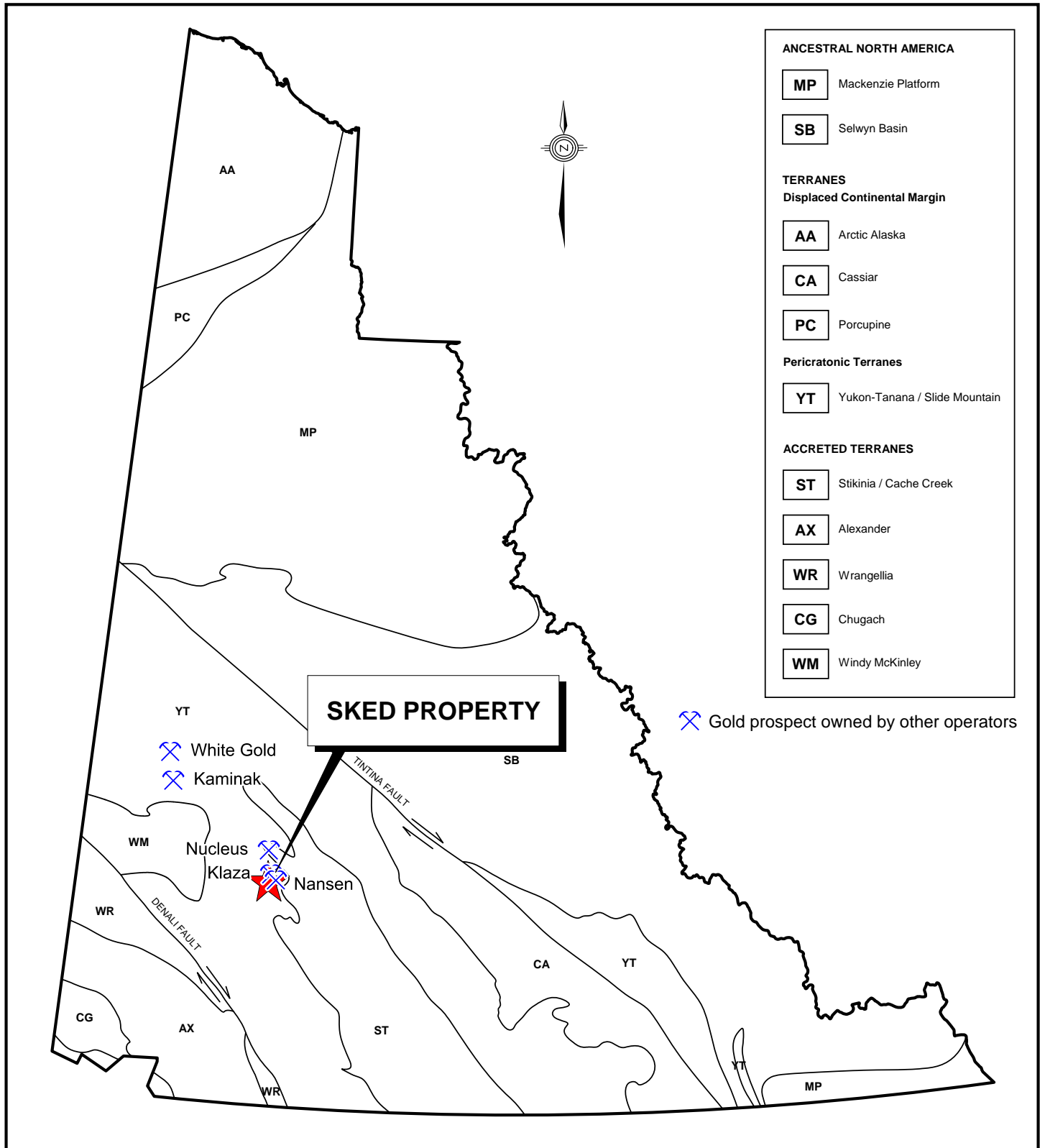
YTT country rock in this area mainly comprises schists and gneisses belonging to the Nisling Assemblage. Two main igneous events are superimposed on the basement rocks: an early Jurassic plutonic suite comprised of syenite to monzonite, which was later metamorphosed and foliated; and various Cretaceous to early Tertiary plutonic assemblages and their related volcanic units (Mann and Slack, 1996).

Major regional structures in the area generally trend northwesterly and are cut by east-northeast cross faults. The precious metal rich veins and breccia zones that comprise the Mount Nansen Mining Camp are mainly hosted by northwest trending structures (Mann and Slack, 1996).

In 2003, Gordey and Makepeace completed a Yukon-wide geological compilation, which updated the lithological unit names in the Sked area. Figure 4 illustrates geology as compiled by Gordey and Makepeace (2003). The main lithological units are described in Table I.

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

<b>Unit Name</b>	<b>Age</b>	<b>Map Name</b>	<b>Description</b>
Prospector Mountain Suite	Late Cretaceous to Tertiary	LKfP	Grey, fine to coarse grained, quartz-feldspar porphyry dykes.
Mount Nansen Group	Mid-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	Mid-Cretaceous	mKgW	Grey, medium to coarse grained, generally equigranular granitic rocks of intermediate composition. Biotite-hornblende granodiorite, hornblende-quartz diorite and hornblende diorite; leucocratic, biotite-hornblende granodiorite, locally with sparse grey and pink potassium feldspar phenocrysts.
Amphibolite	Proterozoic and Paleozoic	PPa	Metamorphosed mafic rocks, including amphibolite
Nisling Assemblage	Late Proterozoic and Paleozoic	PPN	Dark grey to brown, biotite-muscovite-quartz-feldspar schist, quartzite and micaceous quartzite, garnetiferous; felsic chlorite-biotite orthogneiss; rare amphibolite; minor two-mica gneiss and hornblende diorite gneiss.



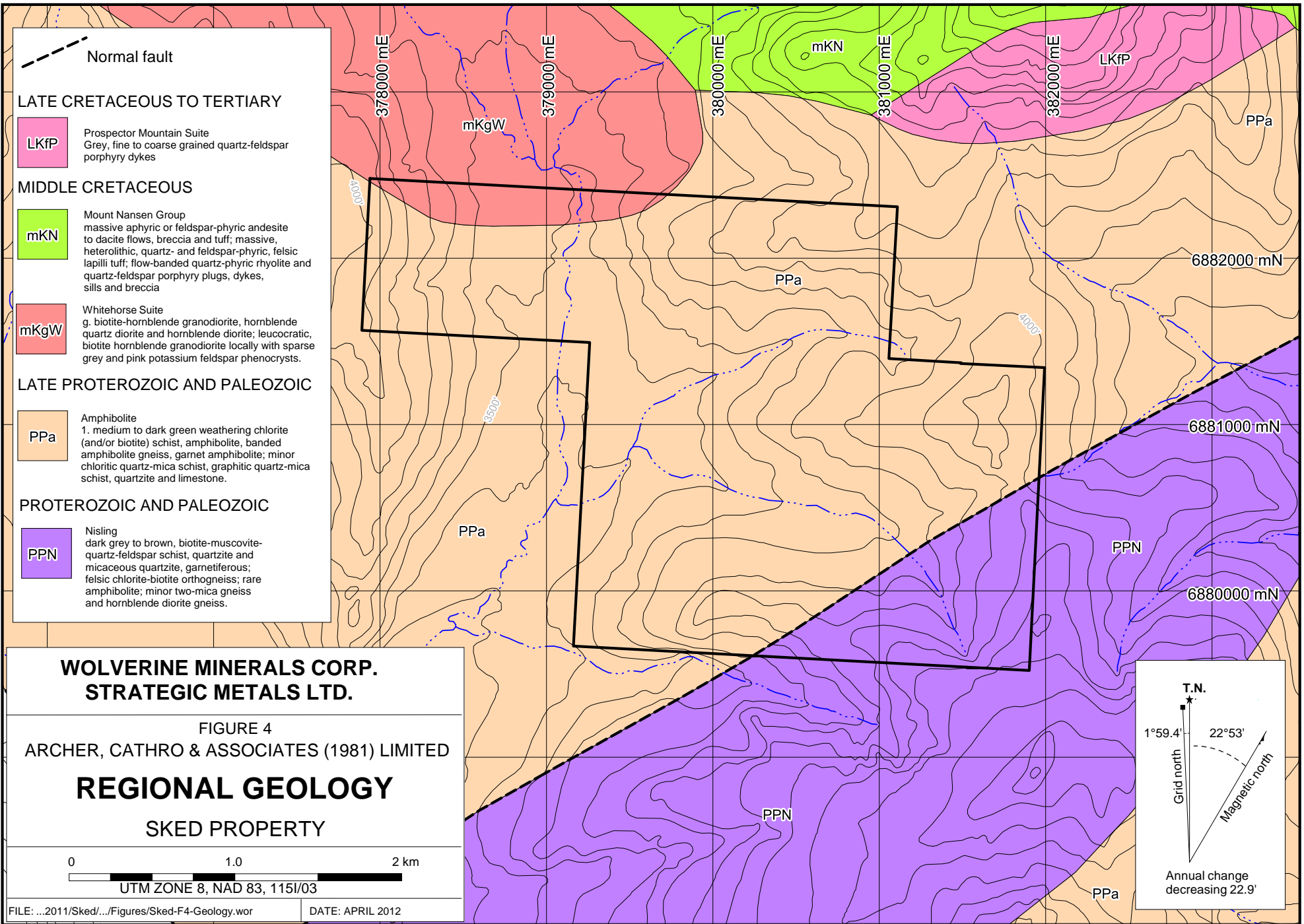
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STRATEGIC METALS LTD.**

FIGURE 3  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TECTONIC SETTING**  
SKED PROPERTY

0 200 km

FILE: ...2011\Sked\Report\Sked-F3-Tectonics.wor DATE: APRIL 2012



			Locally bleached white-weathering, coarsely crystalline, flow banded marble.
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### **PROPERTY GEOLOGY**

Most of the Sked property is underlain by Amphibolite Suite schist and gneiss. In the southeastern part of the property, Amphibolite Suite is juxtaposed against Nisling Assemblage by a northeast-trending normal fault. On the northern edge of the property, the Amphibolite Suite has been intruded by Whitehorse Suite granodiorite.

No detailed geological mapping has been done on the Sked property, but trench mapping and prospecting in 2011 identified the following units in an area mapped as Amphibolite Suite by the YGS:

- 1) Altered and fresh quartz-feldspar porphyry dykes (Prospector Mountain Suite);
- 2) Altered rhyolite tuff with quartz-eye fragments (Mount Nansen Group);
- 3) Lithic tuff with bleached limonite rims – equivalent to rhyolite unit, but less bleached and more lithic fragments (Mount Nansen Group);
- 4) Fresh biotite schist (Amphibolite Suite);
- 5) Gritty quartzite and altered biotite schist (Nisling Assemblage);
- 6) Marble and limestone (Nisling Assemblage);
- 7) Ferricrete (unknown); and
- 8) Oxidized, clay rich regolith capped by rhyolitic tuff (unknown)

A small scale, northwest-trending fault is thought to have caused the clay-rich regolith. This fault appears to form the contact between the altered rhyolite (Mount Nansen Group) and a package of metasediments (Amphibolite Suite). Further evidence for this fault was provided by the 1996 drill program, when a step-out hole on the northern edge of the drill area intersected a breccia zone within a felsic volcanic unit instead of metasedimentary rocks that were anticipated.

### **REGIONAL MINERALIZATION**

The Mount Nansen Mining Camp contains approximately 30 mineral occurrences of epithermal and porphyry origin. Vein hosted mineralization occurs throughout the camp and is generally found within northwest-trending structural zones. The Brown-McDade, Heustis and Webber veins are all examples of this type of mineralization. The Brown-McDade is a complex vein system that forms the contact between granodiorite to the north and schists and gneiss to the south. It contained pre-mining reserves and resources totally 600,000 tonnes at 6.1 g/t gold and 55 g/t silver, and between 1996 and 1997, it produced 16,000 oz gold, 83,000 oz silver from 124,000 tonnes of ore. Both the Webber and Heustis veins are hosted in schists and gneiss. The Webber vein has an underground reserve of 85,000 tonnes at 9.4 g/t gold and 560 g/t silver, while the Heustis vein has an underground reserve of 123,800 tonnes at 14.1 g/t gold and 291 g/t silver (Hart and Langdon, 1997).

There are a number of other mineral deposits in the Dawson Range that are associated with intrusive activity, particularly late stage quartz-feldspar porphyry dykes. One example of this

style of mineralization occurs at the Klaza property, which is located about nine kilometres north of the Sked property.

At the Klaza property, soil geochemistry and excavator trenching lead to the discovery of a series of northwest (300°) trending gold-silver veins and breccia zones (Turner, 2011). Exploration programs in 2010 and 2011 comprised extensive excavator trenching, diamond drilling and helicopter-borne magnetic and radiometric surveys. Historical and recent work at the Klaza property has identified four mineralized zones (Klaza, BYG, BRX and HERC).

The Klaza Zone is the best explored of the zones. It has been cut in a number of excavator trenches and drill holes. Highlights from trenching include: 2.33 g/t gold and 34.9 g/t silver across 16.35 m (TR-10-09); 2.87 g/t gold and 42 g/t silver across 20.10 m (TR-10-10); and, 7.17 g/t gold and 16 g/t silver across 7.11 m (TR-11-26). Diamond drilling also intersected significant mineralization including: 2.29 g/t gold and 36 g/t silver over 19.75 m (DDH-10-03); 7.20 g/t gold and 260 g/t silver over 15.30 m (DDH-10-07); 1.04 g/t gold and 15 g/t silver over 33.30 m (DDH-10-10); 1.76 g/t gold and 26 g/t silver over 26.21 m (DDH-11-27); and 5.03 g/t gold and 14 g/t silver over 12.51 m (DDH-11-56).

### **PROPERTY MINERALIZATION**

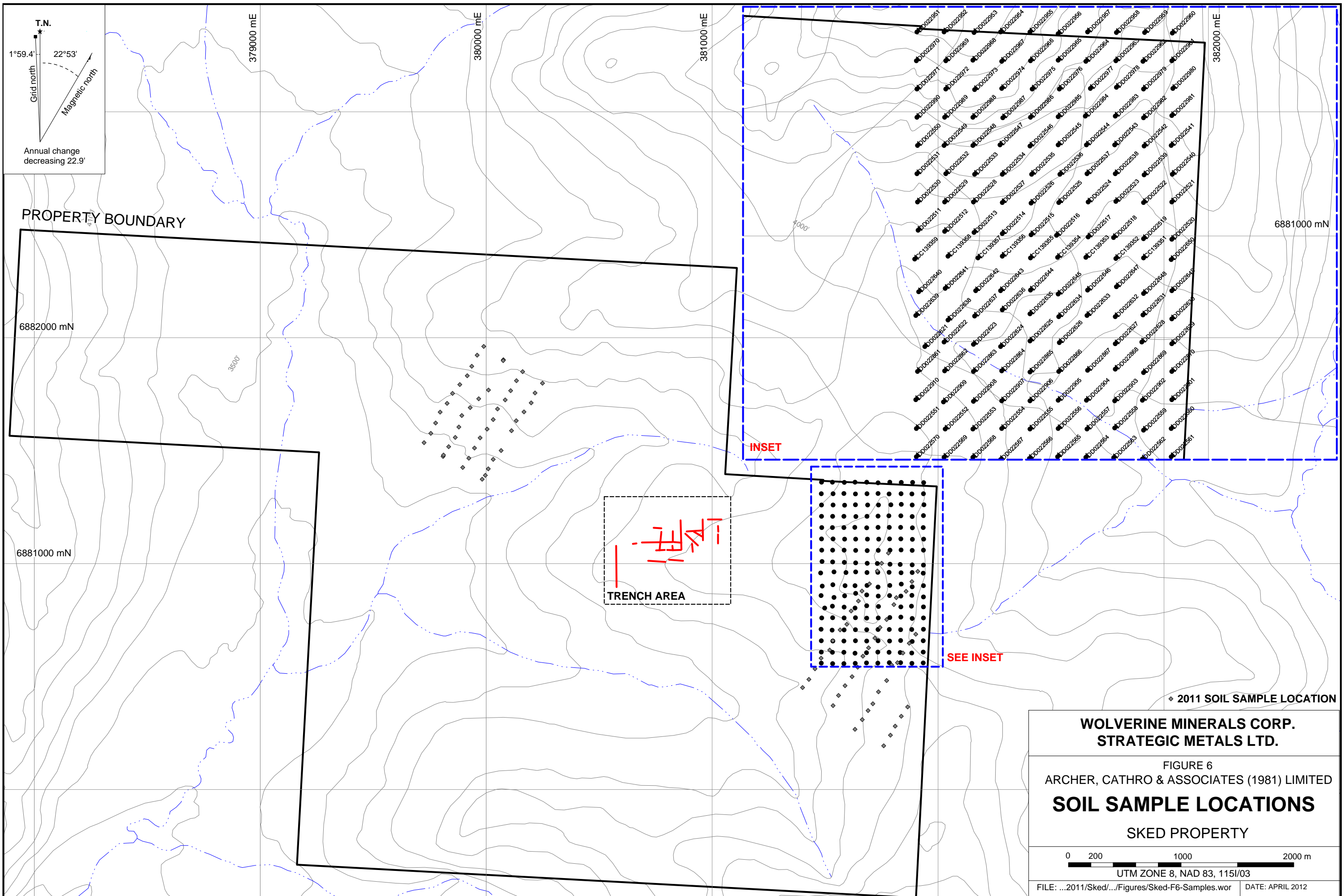
Historical work on the Sked property suggests that gold occurs in three zones that range from four to thirty metres wide. These zones reportedly strike about 300° and dip between 60 and 65° to the west. This orientation is consistent with mineralization on the Klaza property and elsewhere in the Mount Nansen Mining Camp.

Exploration on the Sked property in 2011 indicates that the mineralized structures may actually trend east-north-easterly, which is consistent with secondary mineralization and faulting in the region. If this alternative orientation is correct, the eastern extension of the mineralization may be truncated, or offset by, a small northwest-trending fault, or it could extend as a blind zone beneath rhyolite cap rocks.

Geological cross sections for the historical drill holes are illustrated on Figure 5. According to old reports, the core from these holes was logged by a number of different geologists, which may explain some inconsistencies where closely spaced holes are shown with different lithologies. Historical drill programs reported poor core recovery and assaying was only done for gold and silver. Based on the historical drill data it appears that mineralization is associated with both quartz-feldspar porphyry dykes and clay-rich alteration zones.

### **SOIL GEOCHEMISTRY**

In 2011, a total of 169 soil samples were taken from a small grid on the eastern side of the Sked property. These samples were collected at 50 m by 50 m spacing using hand held soil augers. The grid approximately straddles the highest ridge on the property. Locations for samples taken in 2010 and 2011 are shown on Figure 6. Analytical data from 2010 and 2011, together with anomalous areas identified by earlier sampling are illustrated for gold, copper, arsenic, lead and zinc on Figures 7 to 11, respectively.



T.N.  
 1°59.4' 22°53'  
 Grid north  
 Magnetic north  
 Annual change decreasing 22.9'

PROPERTY BOUNDARY

INSET

TRENCH AREA

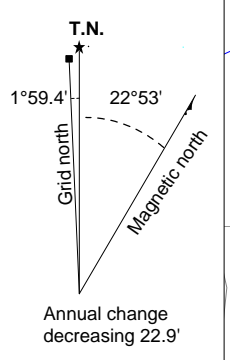
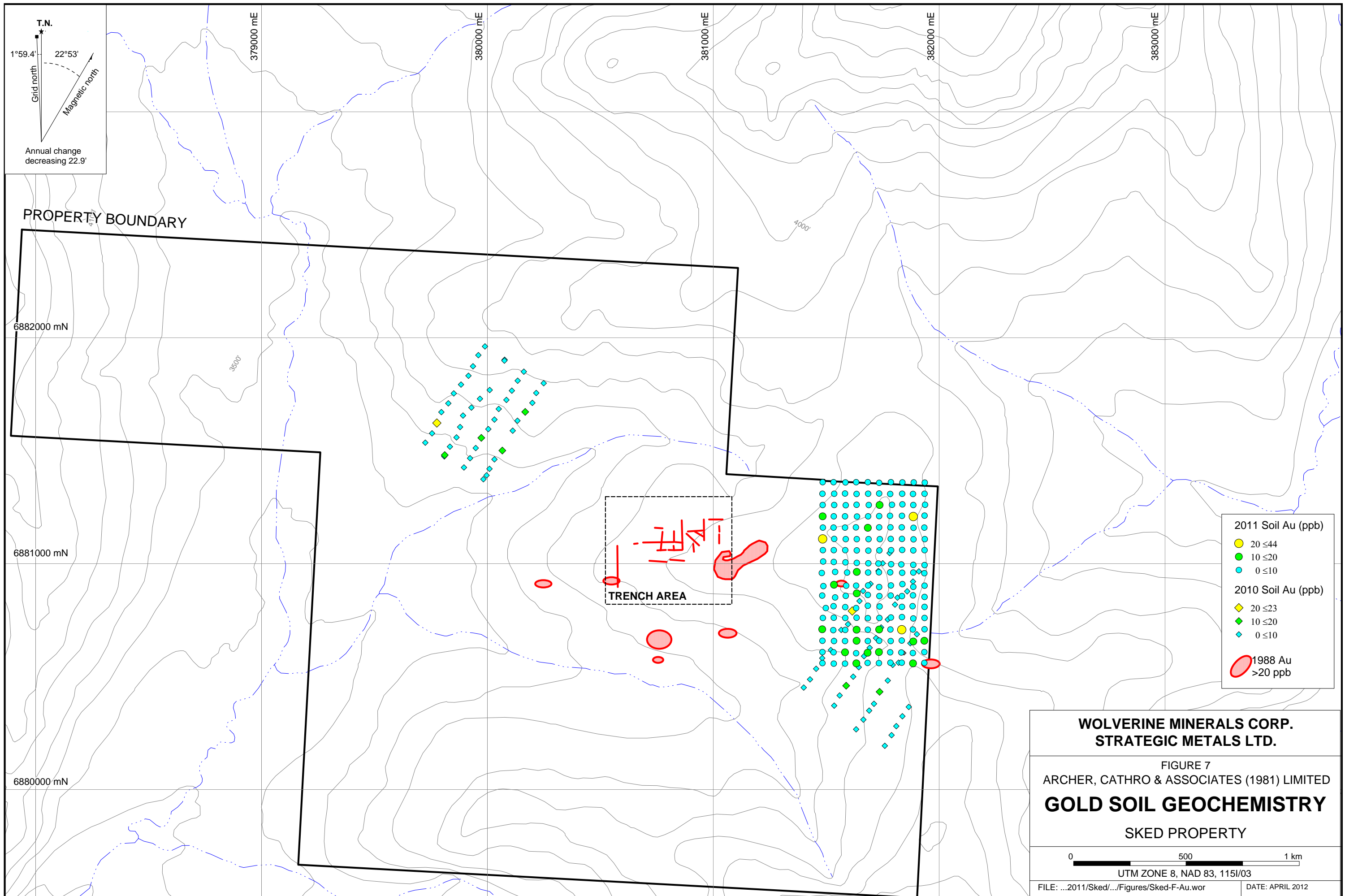
SEE INSET

◆ 2011 SOIL SAMPLE LOCATION

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FIGURE 6  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SOIL SAMPLE LOCATIONS**  
 SKED PROPERTY

0 200 1000 2000 m  
 UTM ZONE 8, NAD 83, 1151/03  
 FILE: ...2011/Sked/.../Figures/Sked-F6-Samples.wor DATE: APRIL 2012



PROPERTY BOUNDARY

TRENCH AREA

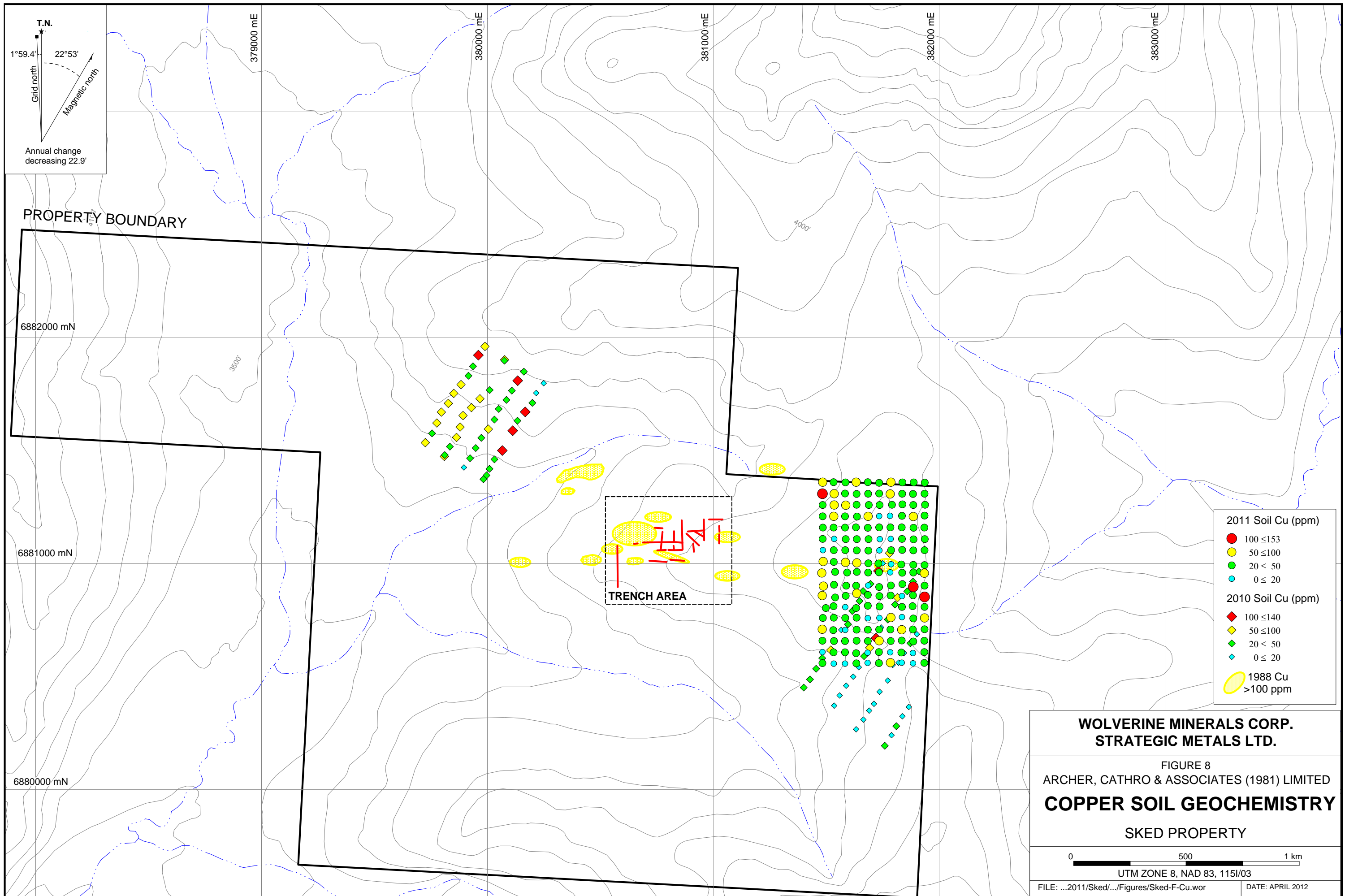
- 2011 Soil Au (ppb)
- 20 ≤ 44
  - 10 ≤ 20
  - 0 ≤ 10
- 2010 Soil Au (ppb)
- ◆ 20 ≤ 23
  - ◆ 10 ≤ 20
  - ◆ 0 ≤ 10
- 1988 Au > 20 ppb

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FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD SOIL GEOCHEMISTRY**  
SKED PROPERTY



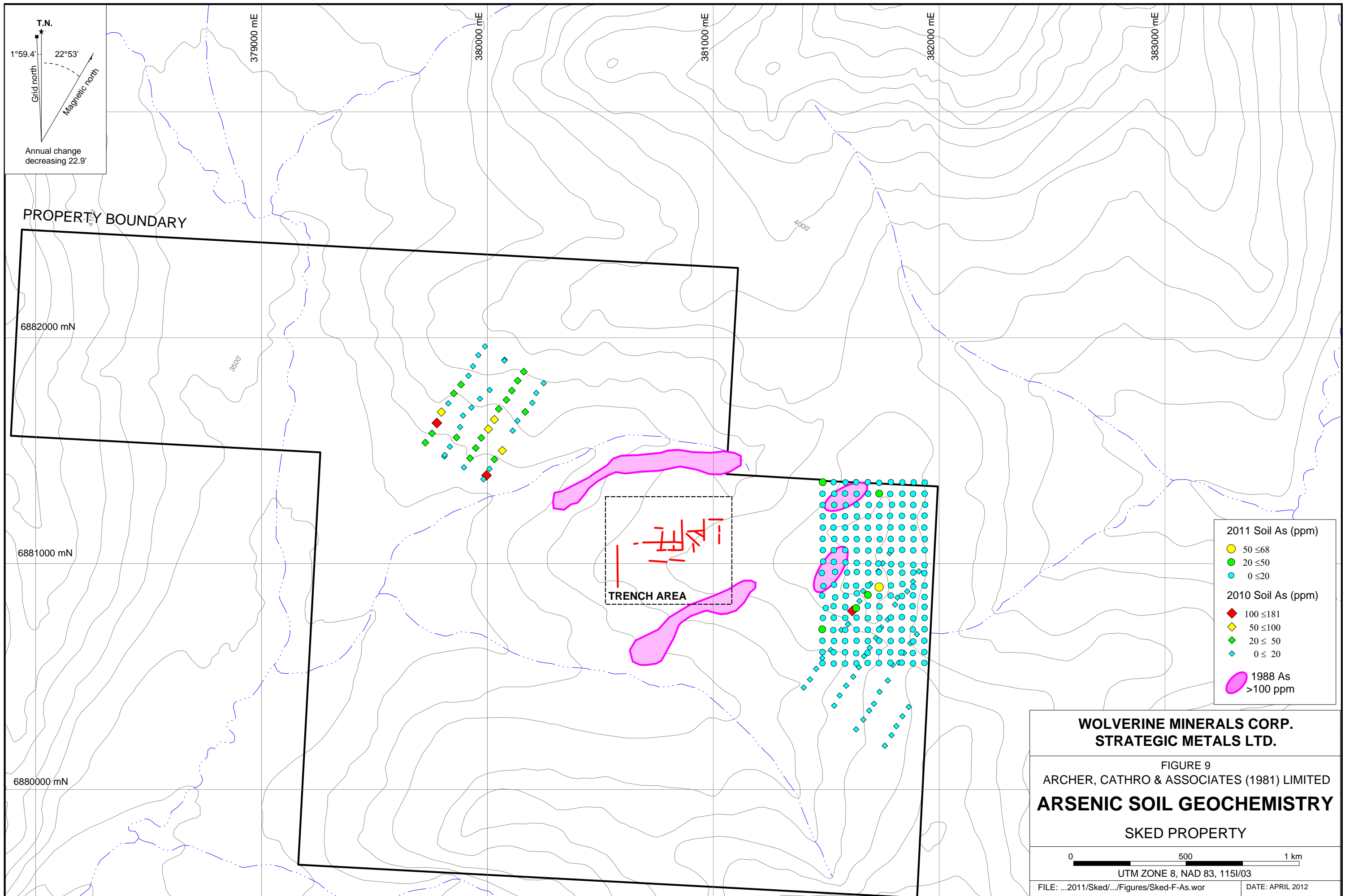
UTM ZONE 8, NAD 83, 1151/03



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FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER SOIL GEOCHEMISTRY**  
SKED PROPERTY





T.N.  
 1°59.4' 22°53'  
 Grid north  
 Magnetic north  
 Annual change decreasing 22.9'

PROPERTY BOUNDARY

TRENCH AREA

- 2011 Soil As (ppm)
- 50 ≤ 68
  - 20 ≤ 50
  - 0 ≤ 20
- 2010 Soil As (ppm)
- ◆ 100 ≤ 181
  - ◆ 50 ≤ 100
  - ◆ 20 ≤ 50
  - ◆ 0 ≤ 20
- 1988 As > 100 ppm

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 STRATEGIC METALS LTD.**

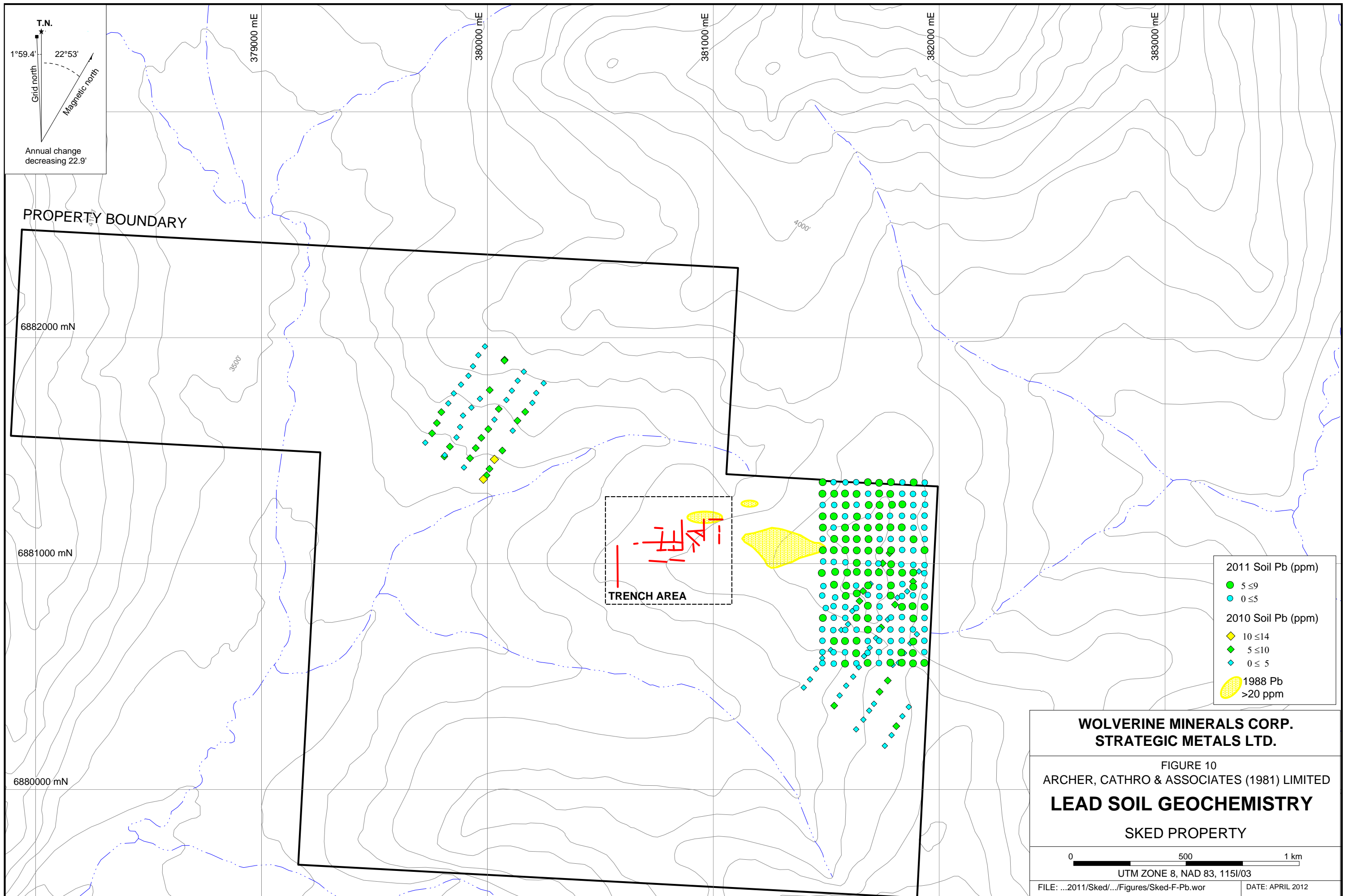
FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ARSENIC SOIL GEOCHEMISTRY**  
 SKED PROPERTY

0 500 1 km

UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011/Sked/.../Figures/Sked-F-As.wor

DATE: APRIL 2012



T.N.  
 1°59.4' 22°53'  
 Grid north  
 Magnetic north  
 Annual change decreasing 22.9'

PROPERTY BOUNDARY

TRENCH AREA

- 2011 Soil Pb (ppm)
  - 5 ≤ 9
  - 0 ≤ 5
- 2010 Soil Pb (ppm)
  - ◆ 10 ≤ 14
  - ◆ 5 ≤ 10
  - ◆ 0 ≤ 5
- 1988 Pb >20 ppm

**WOLVERINE MINERALS CORP.  
 STRATEGIC METALS LTD.**

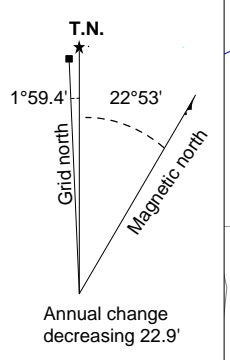
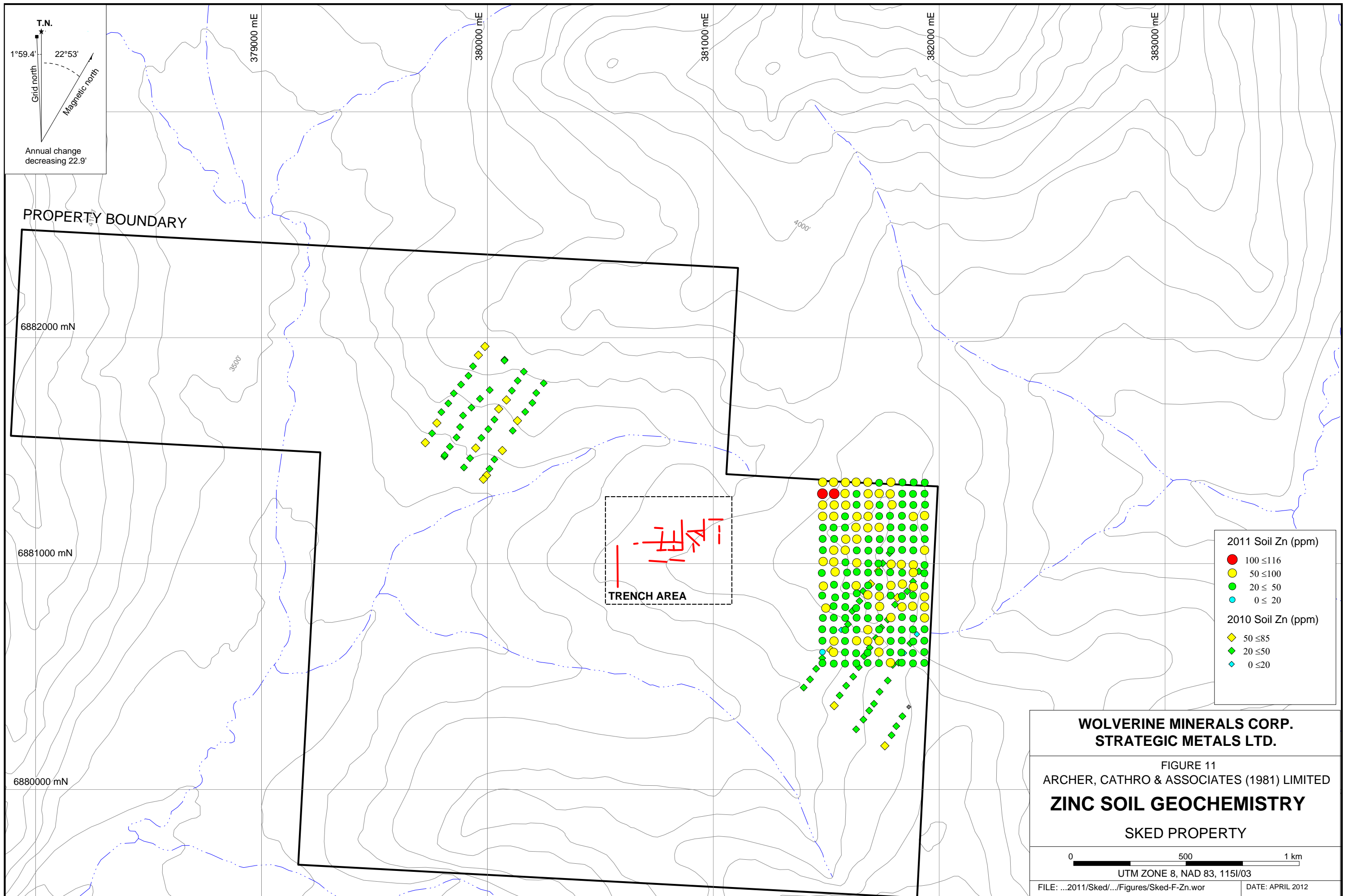
FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD SOIL GEOCHEMISTRY**  
 SKED PROPERTY

0 500 1 km

UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011/Sked/.../Figures/Sked-F-Pb.wor

DATE: APRIL 2012



PROPERTY BOUNDARY

TRENCH AREA

**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

FIGURE 11  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC SOIL GEOCHEMISTRY**  
SKED PROPERTY

0 500 1 km

UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011/Sked/.../Figures/Sked-F-Zn.wor

DATE: APRIL 2012

All 2011 soil sample locations were recorded using hand-held GPS units. 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. Soil samples were collected from 30 to 70 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags.

Sample preparation and multi-element analyses for soil samples were carried out at ALS Minerals in Whitehorse, Yukon and North Vancouver, British Columbia. The soils 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 presented in Appendix II.

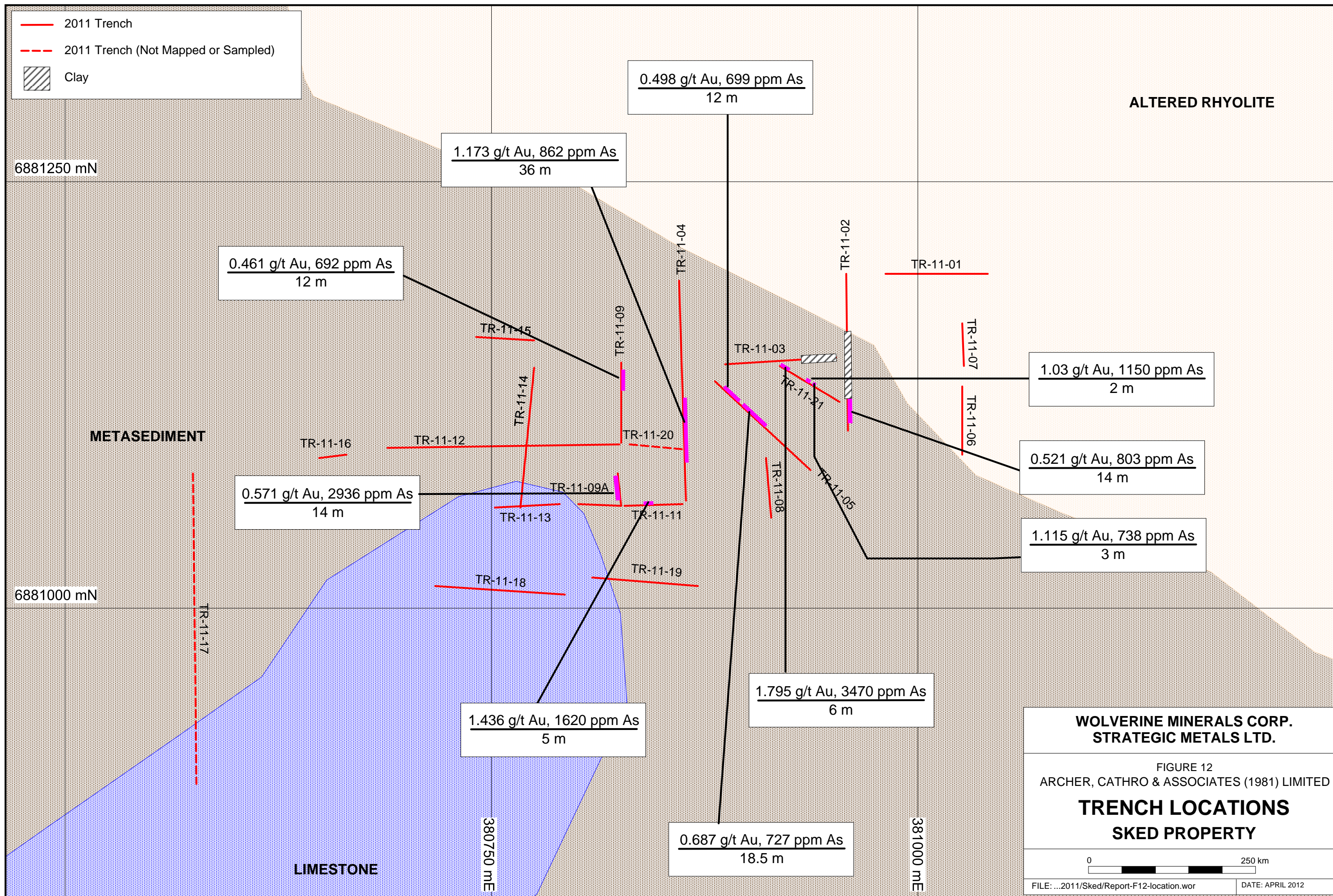
The 2011 soil samples yielded background to moderately anomalous gold (up to 44 ppb) and arsenic (up to 68 ppm) background to strongly anomalous copper (up to 153 ppm), and background lead (up to 9 ppm) and zinc (up to 116 ppm). The anomalous values are irregularly distributed across the soil grid. This relatively weak and erratic response is likely due in part to a metre, or more, thick mantle of rhyolite boulders plus extensive wind-blown sediments, which often prevented the hand-held augers from reaching soil derived from the underlying geology.

### **EXCAVATOR TRENCHING**

In 2011, two helicopter-portable CanDig excavators were disassembled and flown by a Bell 206B helicopter to the Sked property. The CanDigs removed soil and sloughed material from 20 historical trenches (Figure 12). Chip samples were collected from the floors or ribs of 18 trenches, depending on where bedrock was exposed. Two trenches were not mapped or sampled due to time constraints. Detailed geological cross sections and accompanying sample numbers are presented in Appendix III.

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 thick overburden (clay-rich regolith, rhyolitic mantle, loess or volcanic ash), samples were taken from the cover material and boulders within it. Sample preparation and multi-element analyses for rock samples were carried out at ALS Minerals in Whitehorse, Yukon and North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing -2mm and a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis (Au-AA24) and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (ME-ICP41).

The 2011 trenching program identified several mineralized intervals comprising vein, breccia or clay rich horizons that ranged from 2 to 36 m. Table II shows significant trench results with indicator element signatures.



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FIGURE 12  
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**TRENCH LOCATIONS  
 SKED PROPERTY**

0 250 km

FILE: ...2011/Sked/Report-F12-location.wor DATE: APRIL 2012

Table II – Significant Trench Results

Trench	Length (m)	Gold (g/t)	Silver (g/t)	Arsenic (ppm)	Antimony (ppm)	Mercury (ppm)
TR-11-02	14.0	0.521	1.5	803	25	1
TR-11-04	36.0	1.173	2.5	862	135	1
TR-11-05	12.0	0.498	0.8	699	37	1
TR-11-05	18.5	0.687	0.9	727	32	1
TR-11-09	14.0	0.571	8.2	2936	334	23
TR-11-11	5.0	1.436	0.74	1620	98	6
TR-11-21	6.0	1.795	2.4	3470	52	1
TR-11-21	3.0	1.115	2.1	738	28	1
TR-11-21	2.0	1.03	1.0	1150	29	1

The mineralized intervals form an east-northeast-trending zone with a known strike length of 250 m. This zone is thought to dip moderately to the west. The mineralization is associated with quartz-feldspar porphyry dykes and narrow clay-rich zones.

In the south-central part of the trenching area a number of ferricrete boulders were noted in overburden exposed in trench cuts. No samples of ferricrete were collected for analyses. There is no obvious source of the ferricrete, and no attempt was made to trace the boulders to their source.

### **DEPOSIT MODEL**

Buchanan (1981) published a deposit model for epithermal style mineralization, which exhibits many similarities to the geological setting and geochemical signature associated with mineralization at the Sked property. This model highlights the importance of alteration types as well as mineral zonation from surface to 500 m depth. Using Buchanan's model, a precious metal rich bonanza centre could lie a few hundred metres below a weakly mineralized clay cap. Veins or pipe-like breccia bodies extending upward from the bonanza centre act as fluid conduits. Within these features, gold indicator elements – including arsenic, mercury and antimony – are strongly elevated, but precious metal values are relatively low. Immediately above and within the bonanza centre precious metal content increase sharply, but they fall off again below the bonanza centre where base metal values are highest.

### **DISCUSSION AND CONCLUSIONS**

The Sked property is situated in the Mount Nansen Gold Camp, which hosts historical gold mines and several recent gold discoveries. The property is favourably situated near existing roads.

The 2011 soil sampling program identified scattered, elevated values for gold, copper, arsenic, lead and zinc. These values, combined with historical soil results, provide evidence for additional, undiscovered mineralization on the Sked property. However, interpretation of geochemical data is difficult because in many areas sampling was not able to penetrate beneath

thick overburden. If additional soil sampling programs are conducted, the analytical data should be critically evaluated to determine whether subtle pathfinder values can be used to trace mineralized zones. This type of interpretation would require the use of analytical techniques with lower detection limits for several key elements.

The 2011 trenching program successfully identified a system of gold-arsenic-mercury-antimony enriched vein, breccia and clay-altered zones on the Sked property. The geochemical signature suggests that the known mineralization lies within the upper portion of a large epithermal system. Therefore, a series of deep holes are recommended to test for an underlying bonanza centre.

Although historical drill programs on the Sked property encountered difficulty with clay-rich zones and yielded core recovery, recent advances in drill additives should allow future diamond drill programs on the property to obtain better core recovery.

Depending on results from the drill program, additional work may be warranted. If clay-rich zones appear to mark channel ways used by mineralizing fluids, consideration should be given to using a PIMA spectroscopy technique for in-field analysis as a means of differentiating between clay types. Understanding of the system may also be advanced by tracing the ferricrete boulders to their source and then determining whether fluids the iron precipitated from were hydrothermal or meteoric in origin.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



Heather Smith, B.Sc., 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 (34689).
4. I have personally participated in and directed the fieldwork reported herein and have interpreted all data resulting from this work.



Heather Smith, B.Sc., P.Geo

**APPENDIX II**  
**CERTIFICATES OF ANALYSIS**



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 North Vancouver BC V7H 0A7  
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**CERTIFICATE WH11119961**


Project: Wolverine- SKED  
 P.O. No.:  
 This report is for 72 Rock samples submitted to our lab in Whitehorse, YT, Canada on 27-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
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- SKED

**CERTIFICATE OF ANALYSIS WH11119961**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I357114		1.37	<0.005	<0.2	0.67	8	<10	50	0.9	<2	0.30	<0.5	<1	1	1	0.36
I357115		1.51	<0.005	<0.2	0.86	7	<10	60	0.9	<2	0.17	<0.5	<1	1	1	0.33
I357116		1.32	<0.005	<0.2	0.73	7	<10	50	0.8	<2	0.20	<0.5	1	1	1	0.29
I357117		1.33	<0.005	<0.2	0.77	8	<10	50	0.9	<2	0.19	<0.5	<1	1	1	0.31
I357118		1.54	<0.005	<0.2	0.63	6	<10	50	0.7	<2	0.18	<0.5	<1	1	1	0.28
I357119		1.56	<0.005	<0.2	0.66	7	<10	60	0.9	<2	0.15	<0.5	1	1	1	0.31
I357120		1.47	<0.005	<0.2	0.64	6	<10	60	0.7	2	0.15	<0.5	<1	1	1	0.26
I357121		1.47	<0.005	<0.2	0.58	8	<10	60	0.5	2	0.14	<0.5	<1	1	1	0.26
I357122		1.39	<0.005	<0.2	0.57	4	<10	60	<0.5	<2	0.12	<0.5	<1	1	1	0.28
I357123		1.76	<0.005	<0.2	0.57	9	<10	80	<0.5	<2	0.09	<0.5	1	1	3	0.39
I357124		0.87	<0.005	<0.2	0.74	6	<10	50	0.8	<2	0.18	<0.5	1	1	1	0.31
I357125		0.91	<0.005	<0.2	0.75	9	<10	60	0.7	<2	0.14	<0.5	1	3	5	0.51
I357126		1.10	<0.005	<0.2	0.57	7	<10	50	0.6	<2	0.13	<0.5	<1	1	1	0.26
I357127		0.96	<0.005	<0.2	0.64	8	<10	50	0.6	2	0.11	<0.5	<1	1	4	0.27
I357128		0.83	<0.005	<0.2	0.51	8	<10	50	0.5	<2	0.12	<0.5	<1	1	1	0.37
I357129		1.16	<0.005	0.2	0.59	8	<10	50	0.6	<2	0.16	<0.5	<1	1	1	0.28
I357130		1.42	<0.005	0.2	0.65	14	<10	70	0.7	2	0.15	<0.5	<1	1	7	0.30
I357131		1.20	<0.005	<0.2	1.73	14	<10	110	<0.5	2	1.26	<0.5	13	23	104	3.38
I357132		1.03	<0.005	<0.2	1.57	13	<10	200	<0.5	<2	0.97	<0.5	12	17	79	3.17
I357133		1.29	0.005	<0.2	1.57	22	<10	80	1.4	<2	0.99	<0.5	16	18	92	4.14
I357134		1.24	<0.005	0.2	1.54	25	<10	70	2.7	2	1.06	<0.5	25	20	207	5.49
I357135		1.07	0.036	0.2	1.70	30	<10	150	0.5	<2	1.42	<0.5	22	18	136	4.27
I357136		0.81	0.066	<0.2	1.65	30	<10	240	1.0	2	4.19	<0.5	11	16	68	2.98
I357137		0.75	0.802	3.0	0.35	1165	<10	60	<0.5	<2	0.08	<0.5	1	17	19	1.15
I357138		1.19	1.175	2.9	0.34	1560	<10	110	<0.5	2	0.10	<0.5	1	11	58	1.27
I357139		1.65	0.098	0.5	0.53	262	<10	170	<0.5	<2	0.08	<0.5	1	8	17	1.91
I357140		1.50	0.148	0.5	0.59	407	<10	190	<0.5	2	0.09	<0.5	1	7	23	2.51
I357141		1.36	0.028	<0.2	0.67	75	<10	130	<0.5	<2	0.13	<0.5	3	6	18	1.64
I357142		0.87	0.006	0.3	0.50	5	<10	130	<0.5	<2	0.92	<0.5	3	4	72	1.14
I357143		1.62	<0.005	<0.2	1.68	3	<10	230	<0.5	<2	1.49	<0.5	9	5	19	3.02
I357144		1.66	<0.005	<0.2	1.38	5	<10	260	<0.5	2	0.76	<0.5	8	7	69	2.93
I357145		1.40	<0.005	<0.2	1.96	2	<10	590	<0.5	<2	1.16	<0.5	13	12	72	3.19
I357146		1.57	<0.005	<0.2	0.86	4	<10	120	<0.5	2	0.31	<0.5	4	7	6	1.81
I357147		1.73	<0.005	<0.2	1.09	5	<10	170	<0.5	<2	1.55	<0.5	8	5	34	2.97
I357148		1.20	<0.005	0.4	0.44	9	<10	100	<0.5	<2	0.57	<0.5	4	3	14	1.46
I357149		1.63	<0.005	0.2	0.91	<2	<10	220	<0.5	<2	0.79	<0.5	6	4	30	1.96
I357150		1.37	<0.005	0.3	1.55	4	<10	280	<0.5	<2	2.23	<0.5	12	5	49	3.23
I359201		1.11	<0.005	0.2	0.85	13	<10	120	0.9	2	0.26	<0.5	10	5	16	2.30
I359202		0.81	<0.005	<0.2	0.42	<2	<10	100	<0.5	<2	0.11	<0.5	1	4	6	1.06
I359203		1.27	0.067	0.8	0.73	261	<10	160	0.7	2	2.52	<0.5	14	23	84	4.88



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11119961**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
I357114		<10	<1	0.20	10	0.05	163	1	0.01	2	30	21	<0.01	<2	1	15
I357115		<10	<1	0.23	10	0.04	202	1	0.01	1	30	24	<0.01	<2	1	14
I357116		<10	<1	0.20	10	0.04	186	1	0.01	1	30	19	<0.01	<2	1	15
I357117		<10	<1	0.22	10	0.05	140	1	0.01	1	30	17	0.01	<2	1	16
I357118		<10	<1	0.18	10	0.04	111	1	0.01	1	30	22	0.01	<2	1	15
I357119		<10	<1	0.19	<10	0.04	164	1	0.01	<1	30	20	0.01	<2	1	12
I357120		<10	<1	0.19	<10	0.04	81	1	0.01	<1	30	16	0.01	<2	1	13
I357121		<10	<1	0.20	<10	0.04	56	1	0.01	2	30	20	0.03	<2	1	13
I357122		<10	<1	0.22	<10	0.03	70	1	0.01	1	30	25	0.05	<2	1	13
I357123		<10	<1	0.25	<10	0.03	100	1	0.01	1	30	23	0.09	<2	1	14
I357124		<10	<1	0.19	<10	0.04	199	1	<0.01	1	30	17	0.01	<2	1	14
I357125		<10	<1	0.23	<10	0.06	140	1	0.01	2	90	19	0.02	<2	2	14
I357126		<10	<1	0.17	<10	0.03	83	1	0.01	1	30	21	0.01	<2	1	10
I357127		<10	<1	0.18	<10	0.02	40	1	0.01	2	30	18	0.02	<2	1	10
I357128		<10	<1	0.15	<10	0.03	46	1	0.01	1	60	25	0.02	<2	1	8
I357129		<10	<1	0.16	<10	0.03	79	1	0.01	<1	20	18	0.03	<2	1	13
I357130		<10	<1	0.16	<10	0.02	35	1	<0.01	1	30	31	0.07	<2	1	20
I357131		10	<1	0.37	<10	0.70	846	2	0.17	14	800	2	0.28	<2	10	41
I357132		10	<1	0.45	<10	0.74	784	3	0.11	11	970	3	0.05	<2	11	25
I357133		<10	<1	0.26	10	0.38	2970	3	0.06	18	740	9	0.05	2	13	28
I357134		<10	1	0.26	10	0.25	2510	5	0.02	23	1120	6	0.06	2	20	24
I357135		10	<1	0.36	10	0.59	2510	8	0.10	16	870	3	0.20	2	17	32
I357136		<10	<1	0.32	10	0.25	4210	2	0.04	8	880	6	0.04	2	10	45
I357137		<10	1	0.13	<10	0.03	131	3	<0.01	2	150	12	0.19	35	3	27
I357138		<10	1	0.17	<10	0.02	98	3	<0.01	1	230	35	0.29	41	4	25
I357139		<10	1	0.34	<10	0.04	97	1	0.03	2	340	8	0.36	15	5	32
I357140		<10	<1	0.41	10	0.04	82	<1	0.02	2	550	5	0.50	13	7	42
I357141		<10	<1	0.29	<10	0.15	199	<1	0.04	3	400	3	0.07	4	5	21
I357142		<10	<1	0.18	<10	0.16	336	<1	0.05	2	260	8	0.02	<2	2	28
I357143		10	<1	0.88	<10	0.68	606	<1	0.05	5	740	8	0.01	<2	9	29
I357144		10	<1	0.82	10	0.73	543	<1	0.07	5	740	4	0.01	<2	9	24
I357145		10	<1	1.05	<10	1.18	578	<1	0.11	10	590	2	0.01	<2	8	38
I357146		<10	<1	0.44	10	0.36	374	<1	0.05	3	760	3	0.01	<2	4	19
I357147		<10	<1	0.49	<10	0.48	666	<1	0.07	5	520	5	0.02	<2	9	27
I357148		<10	<1	0.15	<10	0.06	489	<1	0.06	3	420	6	0.01	2	2	19
I357149		<10	<1	0.44	10	0.39	472	<1	0.06	3	510	4	0.01	<2	6	23
I357150		10	<1	1.04	10	1.02	1180	<1	0.06	5	680	3	0.01	<2	13	20
I359201		<10	<1	0.33	<10	0.25	3350	<1	0.06	6	470	5	0.01	4	5	33
I359202		<10	<1	0.18	<10	0.09	221	<1	0.08	2	70	4	0.01	3	1	30
I359203		<10	<1	0.12	10	0.14	1295	3	0.03	17	730	6	0.11	19	11	53



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I357114		20	<0.01	<10	<10	1	<10	21
I357115		20	<0.01	<10	<10	1	<10	22
I357116		<20	<0.01	<10	<10	1	<10	16
I357117		<20	<0.01	<10	<10	1	<10	17
I357118		<20	<0.01	<10	<10	1	<10	13
I357119		20	<0.01	<10	<10	1	<10	19
I357120		<20	<0.01	<10	<10	1	<10	13
I357121		<20	<0.01	<10	<10	1	<10	11
I357122		<20	<0.01	<10	<10	1	<10	8
I357123		<20	<0.01	<10	<10	1	<10	8
I357124		20	<0.01	<10	<10	1	<10	17
I357125		<20	<0.01	<10	10	5	<10	18
I357126		<20	<0.01	<10	<10	1	<10	11
I357127		<20	<0.01	<10	<10	1	<10	11
I357128		<20	<0.01	<10	<10	2	<10	13
I357129		<20	<0.01	<10	<10	1	<10	9
I357130		<20	<0.01	<10	<10	1	<10	10
I357131		<20	0.16	<10	<10	92	<10	59
I357132		<20	0.16	<10	<10	90	<10	62
I357133		<20	0.04	<10	30	76	<10	93
I357134		<20	0.01	<10	20	88	<10	187
I357135		<20	0.09	<10	10	125	<10	101
I357136		<20	0.01	<10	10	64	<10	86
I357137		<20	<0.01	<10	<10	17	<10	10
I357138		<20	<0.01	<10	<10	11	<10	11
I357139		<20	<0.01	<10	<10	19	<10	12
I357140		<20	0.01	<10	<10	19	<10	16
I357141		<20	0.04	<10	<10	19	<10	22
I357142		<20	0.01	<10	<10	17	<10	32
I357143		<20	0.13	<10	<10	80	<10	81
I357144		<20	0.14	<10	<10	72	<10	88
I357145		<20	0.16	<10	<10	96	<10	74
I357146		<20	0.05	<10	<10	34	<10	76
I357147		<20	0.07	<10	<10	67	<10	75
I357148		<20	<0.01	<10	<10	19	<10	46
I357149		<20	0.06	<10	<10	45	<10	58
I357150		<20	0.15	<10	<10	76	<10	81
I359201		<20	0.03	<10	10	39	<10	75
I359202		<20	0.01	<10	<10	13	<10	14
I359203		<20	0.01	<10	10	63	<10	86



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**CERTIFICATE OF ANALYSIS WH11119961**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359204		1.52	0.012	<0.2	0.85	92	<10	170	0.8	<2	1.65	<0.5	14	40	59	4.77
I359205		1.29	0.229	0.4	0.88	416	<10	180	1.0	3	0.35	<0.5	14	39	41	3.75
I359206		1.31	0.010	<0.2	0.98	95	<10	150	1.4	2	0.39	<0.5	13	19	34	3.02
I359207		1.39	0.010	0.2	1.02	58	<10	220	1.2	3	0.61	<0.5	14	22	39	3.07
I359208		1.15	0.006	<0.2	0.72	38	<10	190	0.8	3	1.11	<0.5	9	19	22	2.52
I359209		1.09	0.006	<0.2	0.94	23	<10	260	0.8	<2	1.90	<0.5	7	22	17	2.13
I359210		1.16	0.060	0.2	1.25	88	<10	1060	1.6	<2	3.04	<0.5	20	26	134	4.22
I359211		1.68	0.160	0.3	0.96	159	<10	80	1.3	2	0.49	0.9	19	14	71	2.67
I359228		1.55	1.835	2.5	0.61	1820	<10	220	0.6	<2	0.19	<0.5	7	26	28	2.05
I359229		1.28	1.755	2.3	0.37	2560	<10	120	<0.5	<2	0.10	<0.5	3	28	29	1.37
I359230		1.02	1.115	2.1	0.77	738	<10	150	0.5	<2	0.10	<0.5	1	17	14	1.29
I359231		0.67	1.030	1.0	0.51	1150	<10	140	<0.5	<2	0.06	<0.5	1	16	12	1.52
I359232		1.75	0.020	0.2	1.42	431	<10	110	0.6	<2	0.11	<0.5	1	7	18	1.97
I359233		1.72	0.009	<0.2	1.35	257	<10	110	0.8	<2	0.16	<0.5	2	7	32	2.68
I359234		1.31	0.005	0.2	0.71	60	<10	150	0.5	<2	0.12	<0.5	2	6	20	2.68
I359235		1.04	0.006	<0.2	0.62	27	<10	90	<0.5	<2	0.11	<0.5	3	6	33	2.15
I359212		1.62	0.018	<0.2	1.28	190	<10	240	0.6	<2	0.08	<0.5	6	20	68	2.80
I359213		1.18	0.010	<0.2	1.77	343	<10	260	0.8	2	0.09	<0.5	3	33	66	3.58
I359214		0.89	0.160	<0.2	1.31	442	<10	240	0.6	<2	0.08	<0.5	3	45	65	4.05
I359215		1.67	0.390	0.6	0.70	862	<10	210	<0.5	<2	0.07	<0.5	3	36	27	4.59
I359216		1.80	0.885	1.5	0.48	687	<10	220	<0.5	<2	0.06	<0.5	1	41	18	2.35
I359217		1.54	1.190	1.9	0.53	2040	<10	150	<0.5	<2	0.09	<0.5	1	42	25	2.71
I359218		1.69	1.430	2.1	0.53	1310	<10	240	<0.5	<2	0.06	<0.5	1	36	20	2.09
I359219		1.80	0.244	0.2	0.72	243	<10	350	<0.5	<2	0.05	<0.5	2	14	14	2.55
I359220		1.14	0.327	0.2	0.69	200	<10	130	<0.5	<2	0.09	<0.5	5	13	26	2.31
I359221		1.67	0.610	0.8	0.69	377	<10	250	<0.5	<2	0.08	<0.5	4	22	34	2.16
I359222		1.52	0.022	<0.2	1.01	90	<10	160	0.5	<2	0.19	<0.5	10	8	24	2.99
I359223		1.07	0.008	<0.2	0.66	6	<10	150	<0.5	<2	0.20	<0.5	6	3	3	2.06
I359224		0.57	0.011	<0.2	0.47	3	<10	130	<0.5	<2	0.16	<0.5	5	10	3	1.52
I359225		1.43	0.009	<0.2	0.87	4	<10	260	<0.5	<2	0.46	<0.5	6	5	12	2.27
I359226		1.87	<0.005	<0.2	1.01	3	<10	190	<0.5	<2	0.37	<0.5	8	10	45	2.77
I359227		1.61	<0.005	<0.2	0.89	<2	<10	200	<0.5	<2	0.28	<0.5	6	12	14	2.37





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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11119961**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
I359204		<10	<1	0.14	10	0.10	2110	5	0.02	49	620	6	0.20	4	10	51
I359205		<10	<1	0.17	20	0.06	3140	4	0.02	33	1150	11	0.09	11	6	82
I359206		<10	<1	0.18	20	0.07	1330	3	0.01	27	1330	13	0.08	6	6	97
I359207		<10	<1	0.16	20	0.12	1585	4	0.02	40	1340	22	0.04	3	5	48
I359208		<10	<1	0.13	20	0.16	946	2	0.01	24	1480	11	0.03	3	4	47
I359209		<10	<1	0.18	20	0.31	733	2	0.02	17	1380	8	0.03	3	4	66
I359210		10	<1	0.40	10	0.21	2890	1	0.02	11	900	7	0.04	6	20	47
I359211		<10	<1	0.20	10	0.07	2290	1	0.01	13	400	7	0.02	8	10	25
I359228		<10	1	0.15	10	0.04	795	3	0.01	13	600	9	0.13	46	5	42
I359229		<10	1	0.10	<10	0.03	223	4	0.01	4	270	8	0.12	57	4	22
I359230		<10	1	0.31	<10	0.03	72	4	0.01	2	340	13	0.44	28	5	69
I359231		<10	1	0.23	<10	0.03	96	3	0.01	1	290	8	0.27	29	4	60
I359232		<10	<1	0.26	10	0.07	49	<1	0.04	6	760	5	0.24	18	7	35
I359233		<10	<1	0.29	10	0.10	65	<1	0.03	6	1040	4	0.32	15	9	42
I359234		<10	<1	0.32	10	0.06	101	<1	0.03	3	660	2	0.35	6	7	38
I359235		<10	<1	0.20	<10	0.06	177	<1	0.04	3	460	3	0.17	6	5	37
I359212		<10	1	0.35	20	0.03	244	8	0.04	13	1040	12	0.52	12	4	151
I359213		10	<1	0.56	20	0.03	95	25	0.04	17	1420	17	0.98	15	8	248
I359214		10	1	0.65	20	0.03	72	15	0.04	5	1010	18	1.14	23	8	215
I359215		<10	1	0.78	10	0.03	106	109	0.02	4	530	11	1.39	43	7	187
I359216		10	1	0.36	<10	0.03	59	50	0.01	3	470	17	0.65	40	4	296
I359217		10	<1	0.30	<10	0.04	82	50	0.01	1	550	18	0.51	60	6	248
I359218		<10	<1	0.32	<10	0.02	62	44	0.02	1	500	12	0.56	55	5	253
I359219		<10	<1	0.40	<10	0.03	76	20	0.03	1	320	9	0.73	23	3	108
I359220		<10	<1	0.23	10	0.09	220	6	0.03	6	410	5	0.20	13	4	82
I359221		<10	<1	0.34	10	0.09	104	8	0.02	7	440	7	0.38	22	5	112
I359222		<10	<1	0.30	10	0.17	1065	1	0.03	12	730	5	0.09	5	9	24
I359223		<10	<1	0.20	<10	0.10	595	<1	0.02	3	510	3	0.02	2	4	20
I359224		<10	<1	0.19	<10	0.11	433	<1	0.03	4	310	2	0.01	2	4	22
I359225		<10	<1	0.29	10	0.25	456	<1	0.04	4	660	5	<0.01	3	5	34
I359226		<10	<1	0.57	10	0.47	517	<1	0.05	3	890	<2	0.01	<2	10	12
I359227		<10	<1	0.49	10	0.37	450	<1	0.04	5	590	2	<0.01	2	8	13



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11119961**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359204		<20	<0.01	<10	10	35	<10	87
I359205		<20	<0.01	<10	10	37	<10	69
I359206		<20	<0.01	<10	10	39	<10	63
I359207		<20	0.01	<10	<10	42	<10	67
I359208		<20	<0.01	<10	<10	39	<10	43
I359209		<20	0.01	<10	<10	43	<10	36
I359210		<20	0.02	<10	10	91	<10	92
I359211		<20	0.01	<10	10	47	<10	60
I359228		<20	<0.01	<10	10	27	<10	37
I359229		<20	<0.01	<10	10	18	<10	11
I359230		<20	<0.01	<10	<10	35	<10	4
I359231		<20	<0.01	<10	<10	18	<10	4
I359232		<20	0.01	<10	10	24	<10	17
I359233		<20	0.01	<10	<10	25	<10	26
I359234		<20	0.05	<10	<10	24	<10	18
I359235		<20	0.02	<10	<10	15	<10	33
I359212		<20	0.01	<10	<10	36	<10	42
I359213		<20	<0.01	<10	<10	55	<10	31
I359214		<20	0.01	<10	<10	72	<10	38
I359215		<20	0.01	20	<10	44	<10	28
I359216		<20	0.01	30	<10	25	<10	5
I359217		<20	0.01	20	<10	38	<10	5
I359218		<20	<0.01	20	<10	23	<10	3
I359219		<20	<0.01	10	<10	17	<10	9
I359220		<20	0.01	<10	<10	17	<10	46
I359221		<20	0.01	<10	<10	21	<10	29
I359222		<20	0.01	<10	<10	25	<10	62
I359223		<20	0.01	<10	<10	13	<10	43
I359224		<20	0.01	<10	<10	13	<10	25
I359225		<20	0.02	<10	<10	20	<10	43
I359226		<20	0.14	<10	<10	47	<10	48
I359227		<20	0.08	<10	<10	40	<10	38



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**CERTIFICATE WH1121122**

Project: Wolverine- Sked  
 P.O. No.:  
 This report is for 31 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-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
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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**CERTIFICATE OF ANALYSIS WH11121122**

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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359277		0.68	<0.005	<0.2	0.41	33	<10	80	<0.5	<2	17.5	<0.5	3	9	12	1.01
I359278		1.27	<0.005	<0.2	0.30	19	<10	30	<0.5	<2	>25.0	<0.5	3	9	10	0.57
I359279		1.48	<0.005	<0.2	0.14	29	<10	20	<0.5	<2	>25.0	<0.5	1	6	5	0.37
I359280		1.33	<0.005	<0.2	0.39	40	<10	60	<0.5	<2	21.3	<0.5	4	8	22	0.90
I359281		1.23	<0.005	<0.2	0.30	15	<10	40	<0.5	<2	>25.0	<0.5	3	6	40	0.71
I359282		1.57	<0.005	<0.2	0.20	44	<10	50	<0.5	<2	16.3	<0.5	3	10	8	0.90
I359283		1.37	0.007	<0.2	0.66	31	<10	60	<0.5	<2	6.62	<0.5	6	26	19	1.50
I359284		1.87	0.007	<0.2	0.42	21	<10	80	<0.5	<2	14.7	<0.5	4	10	7	0.99
I359285		1.88	<0.005	<0.2	0.65	43	<10	70	<0.5	<2	11.0	<0.5	12	8	13	3.04
I359286		1.53	<0.005	<0.2	0.43	24	<10	60	<0.5	<2	4.75	<0.5	4	14	8	1.04
I359287		2.06	<0.005	<0.2	0.73	47	<10	70	0.7	<2	4.15	<0.5	12	5	10	2.67
I359288		1.06	<0.005	<0.2	0.74	39	<10	100	<0.5	<2	14.7	0.5	16	8	24	3.18
I359289		1.92	<0.005	<0.2	0.53	38	<10	80	0.5	<2	20.5	0.5	13	11	16	2.70
I359290		1.90	<0.005	<0.2	0.36	21	<10	90	<0.5	<2	8.3	0.6	6	7	11	1.05
I359291		1.64	<0.005	<0.2	0.45	23	<10	150	0.6	<2	9.8	0.8	8	12	38	1.60
I359292		1.42	<0.005	<0.2	0.27	20	<10	130	<0.5	<2	17.1	<0.5	6	12	19	1.18
I359293		1.12	<0.005	<0.2	0.30	16	<10	170	<0.5	<2	>25.0	0.6	6	8	34	1.05
I359294		1.31	<0.005	<0.2	0.66	3	<10	160	<0.5	<2	20.9	<0.5	4	19	31	1.24
I359295		1.42	<0.005	<0.2	1.15	<2	<10	210	<0.5	<2	10.3	<0.5	6	15	22	2.15
I359296		0.83	0.052	0.4	0.89	1240	<10	40	0.6	<2	0.32	<0.5	2	29	21	4.79
I359297		1.38	0.454	2.3	0.56	1675	<10	50	0.6	<2	0.17	<0.5	1	40	47	7.28
I359298		1.73	0.680	6.0	0.92	3250	<10	40	1.0	<2	0.13	1.0	8	44	76	10.10
I359299		1.54	0.413	10.3	0.59	2730	<10	40	<0.5	<2	0.11	<0.5	<1	21	26	3.84
I359300		1.74	0.678	11.4	0.72	3460	<10	30	0.5	<2	0.13	<0.5	2	29	27	3.97
I359301		0.97	0.027	6.1	0.86	659	<10	30	<0.5	<2	0.08	<0.5	1	13	21	2.19
I359302		1.70	0.113	5.0	0.90	1700	<10	30	0.6	<2	0.09	0.5	9	26	52	3.93
I359303		1.55	0.042	1.2	2.55	2670	<10	30	1.3	<2	0.10	0.9	21	54	110	9.82
I359304		1.62	0.030	0.4	3.73	7460	<10	40	2.4	<2	0.12	1.3	33	108	123	17.8
I359305		1.47	0.015	0.3	3.05	7570	<10	120	1.1	<2	0.14	1.0	19	82	125	13.10
I359306		1.49	0.109	2.8	2.48	1605	<10	160	1.1	<2	0.07	0.6	29	22	131	16.7
I359307		1.94	0.005	<0.2	0.97	68	<10	80	0.7	<2	5.81	<0.5	16	22	18	3.71



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**CERTIFICATE OF ANALYSIS WH112122**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
I359277		<10	1	0.07	<10	0.23	363	<1	0.04	4	200	2	0.02	2	2	166
I359278		<10	1	0.04	<10	0.41	298	<1	0.03	3	350	2	0.02	<2	2	269
I359279		<10	1	0.02	<10	0.25	269	<1	0.02	2	200	2	0.03	<2	1	335
I359280		<10	<1	0.06	<10	0.30	348	<1	0.04	4	590	5	0.04	3	3	203
I359281		<10	<1	0.05	<10	0.33	260	<1	0.03	2	380	3	0.02	<2	2	215
I359282		<10	1	0.03	<10	0.17	291	1	0.03	6	250	3	0.02	2	1	103
I359283		<10	1	0.11	<10	0.43	451	<1	0.07	5	1060	2	0.01	<2	5	66
I359284		<10	1	0.06	<10	0.16	374	<1	0.03	5	430	4	0.02	<2	2	105
I359285		<10	1	0.11	<10	0.13	919	1	0.04	16	390	5	0.02	5	3	93
I359286		<10	1	0.11	<10	0.10	442	<1	0.04	9	280	5	0.01	2	2	52
I359287		<10	<1	0.10	<10	0.04	938	<1	0.02	20	380	7	0.01	11	3	29
I359288		<10	1	0.05	<10	0.12	2060	1	0.02	23	330	4	0.02	4	3	156
I359289		<10	1	0.04	<10	0.13	1205	1	0.02	24	260	3	0.02	5	3	296
I359290		<10	<1	0.09	<10	0.32	1075	<1	0.03	9	610	5	0.02	4	2	150
I359291		<10	1	0.05	<10	0.95	1860	<1	0.02	12	440	15	0.01	17	5	59
I359292		<10	1	0.08	<10	5.21	1430	<1	0.02	12	240	3	0.01	7	3	92
I359293		<10	<1	0.08	<10	0.28	1120	1	0.01	11	270	10	0.02	10	4	300
I359294		<10	<1	0.26	<10	0.54	667	<1	0.03	11	330	4	0.03	3	4	172
I359295		<10	1	0.60	10	0.54	555	<1	0.03	10	310	3	0.02	<2	5	74
I359296		<10	2	0.10	20	0.01	99	3	0.02	10	1920	31	0.20	92	7	147
I359297		<10	8	0.16	10	0.03	209	5	0.01	10	1280	14	0.19	209	13	68
I359298		<10	9	0.15	<10	0.03	723	4	0.01	30	1190	20	0.11	244	16	29
I359299		<10	29	0.18	<10	0.02	40	6	0.01	1	880	27	0.24	327	7	77
I359300		<10	39	0.12	<10	0.02	55	5	0.01	7	1220	17	0.16	493	19	92
I359301		<10	8	0.07	<10	0.03	48	3	0.01	3	430	29	0.05	79	4	75
I359302		<10	12	0.08	<10	0.02	147	4	0.01	23	680	21	0.08	202	8	80
I359303		<10	19	0.07	<10	0.03	859	4	0.01	76	1830	20	0.03	265	20	12
I359304		<10	3	0.05	<10	0.02	888	5	0.01	122	3070	10	0.03	151	13	35
I359305		<10	1	0.05	<10	0.02	519	11	0.01	92	1530	11	0.03	230	10	12
I359306		<10	7	0.08	<10	0.03	1090	11	<0.01	82	770	18	0.11	249	5	22
I359307		<10	<1	0.10	10	0.31	1210	1	0.04	25	690	4	0.02	5	5	79



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Project: Wolverine- Sked

**CERTIFICATE OF ANALYSIS WH11121122**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359277		<20	0.01	<10	10	14	<10	24
I359278		<20	0.02	<10	20	14	<10	13
I359279		<20	0.01	<10	20	6	<10	9
I359280		<20	0.02	<10	10	18	<10	20
I359281		<20	0.03	<10	20	16	<10	14
I359282		<20	0.01	<10	10	10	<10	22
I359283		<20	0.06	<10	<10	35	<10	31
I359284		<20	0.01	<10	<10	15	<10	32
I359285		<20	0.01	10	<10	17	<10	106
I359286		<20	0.02	<10	<10	14	<10	36
I359287		<20	<0.01	<10	<10	13	<10	90
I359288		<20	<0.01	20	<10	13	<10	96
I359289		<20	<0.01	10	10	19	<10	106
I359290		<20	0.01	<10	<10	12	<10	62
I359291		<20	<0.01	<10	<10	28	<10	76
I359292		<20	0.01	<10	10	19	<10	31
I359293		<20	0.01	<10	20	19	<10	55
I359294		<20	0.03	<10	10	33	<10	37
I359295		<20	0.10	<10	<10	37	<10	43
I359296		<20	<0.01	20	<10	57	<10	27
I359297		<20	<0.01	30	<10	66	<10	67
I359298		<20	<0.01	10	<10	93	<10	160
I359299		<20	<0.01	60	<10	55	<10	9
I359300		<20	<0.01	80	<10	81	<10	21
I359301		<20	<0.01	10	<10	33	<10	19
I359302		<20	<0.01	30	<10	58	<10	90
I359303		<20	<0.01	10	<10	109	<10	262
I359304		<20	<0.01	10	10	702	<10	465
I359305		<20	<0.01	10	<10	640	<10	128
I359306		<20	<0.01	20	<10	348	<10	311
I359307		<20	0.03	<10	<10	37	<10	118



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**CERTIFICATE WH1121123**


Project: Wolverine- SKED  
 P.O. No.:  
 This report is for 41 Rock samples submitted to our lab in Whitehorse, YT, Canada on 28-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
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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**CERTIFICATE OF ANALYSIS WH11121123**

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
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359236		1.16	<0.005	<0.2	0.67	29	<10	80	0.6	<2	0.16	<0.5	2	3	7	0.96
I359237		0.92	<0.005	<0.2	0.47	2	<10	80	<0.5	<2	0.13	<0.5	2	5	5	0.95
I359238		1.23	<0.005	<0.2	0.54	8	<10	100	<0.5	<2	0.17	<0.5	2	9	7	1.22
I359239		1.45	<0.005	<0.2	0.60	2	<10	100	<0.5	<2	0.15	<0.5	4	4	10	1.33
I359240		1.73	<0.005	<0.2	0.67	2	<10	100	<0.5	<2	0.27	<0.5	4	6	9	1.47
I359241		0.58	<0.005	<0.2	0.53	2	<10	190	<0.5	<2	1.13	<0.5	3	7	22	1.22
I359242		1.74	<0.005	<0.2	1.28	<2	<10	290	<0.5	<2	0.87	<0.5	9	20	41	2.61
I359243		1.56	<0.005	<0.2	1.32	<2	<10	290	<0.5	<2	0.45	<0.5	8	13	52	2.51
I359244		1.71	<0.005	<0.2	1.22	3	<10	470	<0.5	<2	1.05	<0.5	7	24	27	2.38
I359245		0.92	<0.005	<0.2	1.95	2	<10	510	<0.5	<2	0.48	<0.5	11	11	9	3.30
I359246		1.42	<0.005	<0.2	0.84	3	<10	170	<0.5	<2	0.28	<0.5	6	8	35	2.79
I359247		0.74	0.005	0.2	0.45	2	<10	110	<0.5	<2	0.18	<0.5	4	5	56	2.25
I359248		1.36	<0.005	<0.2	1.10	9	<10	390	<0.5	<2	0.39	<0.5	9	11	14	2.91
I359249		1.36	<0.005	<0.2	1.27	<2	<10	270	<0.5	<2	0.38	<0.5	9	6	18	2.56
I359250		1.60	<0.005	<0.2	1.63	3	<10	340	<0.5	<2	0.43	<0.5	12	7	8	3.65
I359251		1.49	<0.005	<0.2	1.75	3	<10	420	<0.5	<2	0.28	<0.5	12	16	3	3.27
I359252		1.53	<0.005	<0.2	1.41	29	<10	310	0.5	<2	0.41	<0.5	11	7	3	4.23
I359253		1.17	0.010	0.3	2.76	1210	<10	40	1.2	<2	0.15	0.9	45	16	193	15.45
I359254		1.64	0.016	<0.2	1.86	961	<10	40	0.8	<2	0.09	<0.5	25	26	152	7.93
I359255		1.75	0.075	0.2	1.19	669	<10	40	0.7	<2	0.06	<0.5	2	9	76	3.15
I359256		1.37	2.24	1.1	1.07	1710	<10	150	0.9	<2	0.13	<0.5	1	11	87	3.77
I359257		1.10	0.229	0.2	1.16	1485	<10	100	1.0	<2	3.83	<0.5	1	22	118	6.66
I359258		1.11	0.019	<0.2	0.96	296	<10	80	0.9	<2	6.15	<0.5	11	33	134	6.07
I359259		1.06	0.009	<0.2	0.68	340	<10	120	0.6	<2	15.5	0.5	9	19	51	1.84
I359260		1.11	<0.005	<0.2	0.92	145	<10	130	0.7	<2	6.79	<0.5	12	26	11	3.53
I359261		1.90	<0.005	<0.2	1.73	6	<10	370	0.5	<2	2.67	<0.5	10	18	8	3.02
I359262		1.07	<0.005	<0.2	0.71	5	<10	200	0.5	<2	1.52	<0.5	2	2	1	0.81
I359263		1.11	<0.005	<0.2	1.11	2	<10	260	<0.5	<2	1.55	<0.5	4	3	10	1.39
I359264		1.26	<0.005	<0.2	1.09	<2	<10	270	<0.5	<2	2.91	<0.5	5	4	50	2.22
I359265		1.53	<0.005	<0.2	0.74	<2	<10	210	<0.5	<2	1.70	<0.5	5	2	23	1.63
I359266		1.43	<0.005	<0.2	0.91	<2	<10	770	<0.5	<2	3.62	<0.5	5	8	31	2.21
I359267		0.81	0.013	<0.2	1.92	<2	<10	2710	0.5	<2	5.65	<0.5	12	28	147	3.02
I359268		2.02	<0.005	<0.2	1.48	<2	<10	320	<0.5	<2	0.84	<0.5	7	12	20	2.18
I359269		2.15	<0.005	<0.2	0.74	<2	<10	160	<0.5	<2	0.44	<0.5	4	5	4	1.41
I359270		1.82	<0.005	<0.2	0.82	6	<10	150	<0.5	<2	0.78	<0.5	4	9	15	2.13
I359271		1.29	<0.005	<0.2	1.01	10	<10	140	<0.5	<2	0.42	<0.5	5	7	21	2.65
I359272		1.64	0.005	<0.2	0.49	8	<10	100	<0.5	<2	0.19	<0.5	4	6	65	2.16
I359273		2.20	<0.005	0.2	1.17	6	<10	230	<0.5	<2	1.28	<0.5	9	15	67	2.57
I359274		1.50	<0.005	<0.2	1.51	4	<10	350	<0.5	<2	0.44	<0.5	7	11	41	2.79
I359275		1.53	<0.005	<0.2	2.59	6	<10	610	<0.5	2	0.66	<0.5	12	13	37	4.21





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**CERTIFICATE OF ANALYSIS WH11121123**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
I359236		<10	<1	0.24	10	0.09	264	2	0.01	2	180	15	0.05	<2	2	31
I359237		<10	<1	0.13	<10	0.08	399	<1	0.06	2	150	3	0.01	<2	1	28
I359238		<10	<1	0.18	<10	0.11	383	<1	0.08	2	130	4	0.02	<2	1	36
I359239		<10	<1	0.24	<10	0.18	615	<1	0.05	3	310	4	0.01	<2	3	21
I359240		<10	<1	0.32	10	0.28	429	<1	0.04	3	680	2	<0.01	<2	3	21
I359241		<10	<1	0.21	<10	0.23	321	<1	0.09	3	230	2	0.02	<2	2	44
I359242		10	<1	0.54	<10	0.73	508	<1	0.09	13	760	3	0.02	<2	6	36
I359243		10	<1	0.66	<10	0.66	508	<1	0.08	7	540	3	0.06	<2	7	26
I359244		<10	<1	0.48	10	0.46	392	<1	0.03	11	620	5	0.03	<2	7	28
I359245		10	<1	1.16	10	1.21	656	<1	0.05	7	1170	2	0.02	<2	14	18
I359246		<10	<1	0.44	10	0.35	576	<1	0.05	4	880	4	0.05	<2	12	14
I359247		<10	<1	0.19	10	0.05	264	<1	0.02	3	560	2	0.04	<2	7	10
I359248		<10	<1	0.68	10	0.67	693	1	0.06	6	790	3	0.03	<2	13	15
I359249		10	<1	0.74	10	0.68	633	<1	0.05	9	770	3	0.01	<2	9	21
I359250		10	<1	1.13	20	1.16	940	<1	0.04	8	1470	3	0.02	<2	14	17
I359251		10	<1	1.23	10	1.36	859	<1	0.05	10	800	3	0.06	<2	16	18
I359252		10	1	0.68	10	0.65	676	<1	0.03	15	1380	5	0.13	<2	12	28
I359253		<10	7	0.06	<10	0.03	1895	2	<0.01	84	1470	15	0.05	57	11	39
I359254		<10	7	0.06	<10	0.02	838	1	<0.01	41	950	20	0.04	35	11	47
I359255		<10	5	0.06	<10	0.01	108	1	<0.01	9	480	23	0.03	83	9	49
I359256		<10	8	0.13	<10	0.02	74	4	<0.01	9	1040	19	0.12	98	10	374
I359257		<10	3	0.22	10	0.07	196	1	<0.01	12	680	19	0.08	99	14	150
I359258		<10	2	0.21	10	0.12	643	<1	<0.01	21	510	10	0.06	41	14	78
I359259		<10	2	0.07	10	0.08	1590	<1	0.01	15	240	9	0.02	47	6	131
I359260		<10	<1	0.18	10	0.14	1185	<1	<0.01	20	320	17	0.02	9	14	57
I359261		10	<1	0.72	10	0.68	536	<1	0.02	14	450	7	0.02	4	13	31
I359262		<10	<1	0.20	<10	0.12	177	<1	0.03	3	290	8	0.01	<2	1	27
I359263		<10	<1	0.39	10	0.31	282	<1	0.02	3	430	5	0.01	<2	3	30
I359264		<10	<1	0.41	10	0.34	430	1	0.01	4	670	5	0.01	<2	6	40
I359265		<10	<1	0.24	10	0.16	374	<1	0.02	3	400	7	0.01	<2	4	27
I359266		<10	<1	0.38	10	0.33	448	<1	0.01	8	340	8	0.02	<2	4	43
I359267		10	<1	1.11	10	1.17	675	<1	0.01	18	480	8	0.07	<2	10	109
I359268		10	<1	0.59	10	0.73	319	<1	0.07	10	480	2	0.01	<2	7	44
I359269		<10	<1	0.33	10	0.27	280	<1	0.04	3	930	3	0.01	<2	4	25
I359270		<10	<1	0.40	10	0.31	387	<1	0.06	7	810	3	0.01	<2	7	21
I359271		<10	<1	0.58	10	0.49	510	<1	0.04	4	990	2	<0.01	<2	10	14
I359272		<10	<1	0.24	10	0.14	373	<1	0.03	4	540	2	<0.01	<2	8	11
I359273		<10	<1	0.64	10	0.56	453	<1	0.04	11	660	5	0.01	<2	10	33
I359274		<10	<1	0.95	10	0.93	512	<1	0.06	4	680	2	0.01	<2	11	27
I359275		10	<1	1.74	10	1.63	874	<1	0.05	6	900	3	<0.01	<2	17	26



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11121123**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359236		<20	<0.01	<10	<10	8	<10	25
I359237		<20	0.01	<10	<10	13	<10	29
I359238		<20	0.01	<10	<10	14	<10	25
I359239		<20	0.03	<10	<10	24	<10	44
I359240		<20	0.04	<10	<10	33	<10	52
I359241		<20	0.03	<10	<10	22	<10	32
I359242		<20	0.15	<10	<10	75	<10	59
I359243		<20	0.14	<10	<10	69	<10	62
I359244		<20	0.05	<10	<10	34	<10	44
I359245		<20	0.18	<10	<10	78	<10	76
I359246		<20	0.09	<10	<10	41	<10	55
I359247		<20	0.04	<10	<10	22	<10	24
I359248		<20	0.14	<10	<10	55	<10	57
I359249		<20	0.12	<10	<10	47	<10	67
I359250		<20	0.20	<10	<10	65	<10	99
I359251		<20	0.18	<10	<10	81	<10	73
I359252		<20	0.09	<10	<10	47	<10	66
I359253		<20	<0.01	<10	<10	73	<10	426
I359254		<20	<0.01	<10	<10	60	<10	212
I359255		<20	<0.01	10	<10	40	<10	90
I359256		<20	<0.01	10	<10	53	<10	24
I359257		<20	<0.01	<10	<10	42	<10	71
I359258		<20	0.01	<10	<10	64	<10	110
I359259		<20	<0.01	10	<10	38	<10	47
I359260		<20	0.01	<10	<10	62	<10	91
I359261		<20	0.09	<10	<10	69	<10	54
I359262		<20	0.01	<10	<10	7	<10	29
I359263		<20	0.03	<10	<10	20	<10	39
I359264		<20	0.04	<10	<10	33	<10	54
I359265		<20	0.02	<10	<10	22	<10	32
I359266		<20	0.04	<10	<10	29	<10	45
I359267		<20	0.13	<10	<10	85	<10	60
I359268		<20	0.09	<10	<10	53	<10	57
I359269		<20	0.06	<10	<10	24	<10	48
I359270		<20	0.09	<10	<10	36	<10	41
I359271		<20	0.12	<10	<10	39	<10	48
I359272		<20	0.04	<10	<10	33	<10	29
I359273		<20	0.10	<10	<10	53	<10	43
I359274		<20	0.17	<10	<10	65	<10	53
I359275		<20	0.29	<10	<10	120	<10	79



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**CERTIFICATE OF ANALYSIS WH11121123**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
I359276		1.30	<0.005	<0.2	1.37	9	<10	160	<0.5	<2	0.22	<0.5	7	10	10	2.96



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**CERTIFICATE OF ANALYSIS WH11121123**

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm	ME- ICP41 Sr ppm
I359276		<10	<1	0.77	10	0.71	504	<1	0.06	5	690	3	<0.01	<2	12	23



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**CERTIFICATE OF ANALYSIS WH11121123**

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
I359276		<20	0.13	<10	<10	60	<10	56



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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**  
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**CERTIFICATE WH1121908**

Project: Wolverine- SKED  
 P.O. No.:  
 This report is for 60 Rock samples 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
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
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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**CERTIFICATE OF ANALYSIS WH11121908**

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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359308		1.34	0.005	<0.2	0.05	9	<10	20	<0.5	<2	>25.0	0.5	3	5	4	0.18
I359309		1.45	<0.005	<0.2	0.04	3	<10	10	<0.5	<2	>25.0	0.6	2	4	1	0.10
I359310		1.31	0.005	<0.2	0.20	19	<10	30	<0.5	<2	>25.0	0.6	5	20	6	0.45
I359311		0.75	0.007	<0.2	0.64	75	<10	110	<0.5	<2	19.8	2.6	20	252	47	2.69
I359312		2.22	0.005	<0.2	0.13	34	<10	20	<0.5	<2	>25.0	0.5	5	12	9	0.41
I359313		1.59	0.006	<0.2	0.19	41	<10	20	<0.5	<2	>25.0	0.7	3	8	7	0.36
I359314		0.82	<0.005	<0.2	0.78	7	<10	40	<0.5	<2	12.4	<0.5	10	39	30	1.27
I359315		1.25	0.005	<0.2	0.22	67	<10	30	<0.5	<2	>25.0	0.7	6	9	5	0.51
I359316		1.30	0.005	<0.2	0.10	24	<10	10	<0.5	<2	>25.0	0.9	3	4	3	0.28
I359317		1.49	<0.005	<0.2	2.71	13	<10	100	<0.5	<2	2.02	<0.5	15	10	83	2.49
I359318		1.64	<0.005	<0.2	2.98	15	<10	130	<0.5	<2	2.57	<0.5	11	13	110	2.35
I359319		1.61	<0.005	<0.2	1.52	2	<10	90	<0.5	<2	1.20	<0.5	10	24	73	2.37
I359320		0.83	<0.005	<0.2	1.66	14	<10	100	0.5	<2	0.75	<0.5	9	15	69	2.85
I359321		1.77	0.006	<0.2	1.02	16	<10	20	<0.5	<2	5.94	<0.5	14	9	49	3.63
I359322		1.01	0.080	0.4	1.31	96	<10	30	<0.5	<2	0.72	<0.5	16	16	66	4.17
I359323		1.28	0.541	1.4	1.07	677	<10	40	<0.5	<2	0.96	<0.5	8	25	53	2.31
I359324		0.95	0.361	0.7	1.12	221	<10	130	<0.5	<2	0.15	<0.5	5	14	34	1.97
I359325		1.89	0.222	0.9	1.63	158	<10	30	0.8	<2	2.19	<0.5	32	20	134	3.89
I359326		1.62	0.008	<0.2	1.18	79	<10	20	0.8	<2	4.59	<0.5	26	20	94	4.08
I359327		1.76	0.005	<0.2	1.13	36	<10	100	0.6	<2	0.49	0.7	44	20	68	2.35
I359328		1.31	0.044	0.4	1.19	172	<10	70	<0.5	<2	0.18	<0.5	20	13	62	2.14
I359329		1.80	<0.005	<0.2	1.31	639	<10	30	1.1	<2	3.14	0.7	40	27	118	6.57
I359330		1.50	<0.005	<0.2	1.50	81	<10	40	0.9	<2	1.51	0.7	51	16	144	4.57
I359331		1.18	<0.005	<0.2	1.14	431	<10	60	0.8	<2	1.42	<0.5	28	19	128	5.45
I359332		2.01	0.005	<0.2	1.24	50	<10	110	0.8	<2	2.22	<0.5	21	13	95	3.70
I359333		1.35	<0.005	<0.2	1.08	32	<10	80	0.6	<2	5.04	<0.5	18	15	68	3.66
I359334		1.08	<0.005	<0.2	0.56	11	<10	30	<0.5	<2	6.37	<0.5	5	2	12	1.50
I359335		0.54	<0.005	<0.2	0.59	11	<10	50	<0.5	<2	16.6	<0.5	12	14	26	2.99
I359336		1.62	0.068	0.4	1.16	237	<10	360	<0.5	<2	2.77	<0.5	8	12	63	3.08
I359337		1.08	0.005	<0.2	0.65	20	<10	180	<0.5	<2	12.2	<0.5	7	9	41	2.12
I359338		1.22	<0.005	<0.2	0.75	71	<10	120	<0.5	<2	10.3	<0.5	11	18	48	2.94
I359339		1.81	0.005	<0.2	0.35	54	<10	90	<0.5	<2	21.0	0.5	5	16	26	1.08
I359340		1.71	0.017	<0.2	0.27	33	<10	30	<0.5	<2	>25.0	0.7	4	16	7	0.68
I359341		1.49	<0.005	<0.2	0.52	8	<10	40	<0.5	<2	24.7	0.7	6	13	42	1.01
I359342		1.89	0.005	0.2	0.27	28	<10	30	<0.5	<2	>25.0	0.8	4	13	15	0.73
I359343		1.93	<0.005	<0.2	1.87	3	<10	370	<0.5	<2	1.95	<0.5	15	22	67	3.38
I359344		1.59	0.006	0.2	1.70	12	<10	310	<0.5	<2	2.00	<0.5	16	21	110	3.61
I359345		1.37	0.370	0.9	1.18	778	<10	50	0.7	<2	1.24	<0.5	8	16	37	2.89
I359346		0.99	0.787	1.1	0.86	964	<10	40	<0.5	<2	0.16	<0.5	1	32	18	3.99
I359347		1.47	0.225	0.3	1.03	334	<10	110	<0.5	<2	0.11	<0.5	<1	13	9	3.25



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**CERTIFICATE OF ANALYSIS WH11121908**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
I359308		<10	<1	0.02	<10	0.31	178	<1	0.02	5	80	5	0.02	<2	<1	297
I359309		<10	<1	0.02	<10	0.34	157	<1	0.03	4	80	5	0.02	<2	<1	293
I359310		<10	1	0.05	<10	0.29	336	<1	0.03	13	290	4	0.02	2	2	227
I359311		<10	1	0.12	<10	0.23	1540	2	0.02	163	420	6	0.02	8	11	141
I359312		<10	<1	0.03	<10	0.61	350	1	0.03	13	140	4	0.02	2	1	228
I359313		<10	1	0.04	<10	0.27	283	<1	0.03	7	130	5	0.02	<2	2	247
I359314		<10	1	0.11	<10	0.83	283	<1	0.11	16	350	5	0.01	<2	8	86
I359315		<10	1	0.04	<10	0.26	273	1	0.03	7	130	6	0.02	5	2	206
I359316		<10	1	0.03	<10	0.24	210	<1	0.02	5	200	3	0.02	<2	1	247
I359317		<10	1	0.09	<10	0.37	430	1	0.31	12	900	8	0.02	<2	5	99
I359318		10	<1	0.16	<10	0.52	337	<1	0.30	11	730	6	0.06	<2	7	122
I359319		<10	1	0.19	<10	0.53	370	<1	0.18	14	630	9	0.01	<2	7	46
I359320		10	<1	0.23	10	0.57	375	<1	0.12	11	680	9	0.01	<2	7	37
I359321		<10	<1	0.12	<10	2.64	1620	1	0.03	13	570	12	0.04	<2	8	87
I359322		<10	<1	0.21	10	0.25	1040	6	0.02	15	690	15	0.34	18	15	66
I359323		<10	1	0.16	10	0.05	177	5	0.02	12	620	12	0.65	46	9	60
I359324		<10	<1	0.18	10	0.02	128	3	0.02	5	560	11	0.24	21	8	84
I359325		<10	1	0.10	10	0.06	1900	8	0.01	28	1070	10	0.10	37	15	81
I359326		<10	1	0.12	10	0.34	1835	3	0.02	21	990	7	0.14	23	19	81
I359327		<10	<1	0.12	<10	0.02	3670	1	0.01	49	590	13	0.08	8	5	27
I359328		<10	1	0.13	<10	0.02	791	2	0.01	25	910	8	0.15	78	18	65
I359329		<10	1	0.13	10	0.31	3830	5	0.02	33	1170	10	0.07	59	21	43
I359330		<10	<1	0.13	10	0.05	3720	3	0.02	30	900	10	0.06	12	16	45
I359331		<10	<1	0.15	10	0.10	1595	3	0.06	27	970	12	0.06	29	15	38
I359332		<10	1	0.14	10	0.09	920	<1	0.04	21	990	7	0.02	5	12	24
I359333		<10	1	0.12	10	0.15	828	<1	0.04	17	550	8	0.02	2	11	38
I359334		<10	<1	0.09	<10	0.08	607	<1	0.05	4	90	8	0.01	<2	2	69
I359335		<10	1	0.12	10	0.22	1410	<1	0.02	12	400	8	0.02	<2	9	155
I359336		<10	1	0.21	<10	0.45	486	5	0.10	8	650	7	0.04	48	10	66
I359337		<10	<1	0.15	<10	0.23	504	<1	0.05	10	380	6	0.02	2	6	118
I359338		<10	1	0.12	<10	0.33	718	<1	0.07	17	490	5	0.01	12	6	131
I359339		<10	1	0.07	<10	0.31	429	<1	0.04	10	370	8	0.05	10	4	264
I359340		<10	1	0.05	<10	0.30	434	<1	0.03	9	180	5	0.04	2	3	311
I359341		<10	1	0.07	<10	0.41	444	<1	0.06	9	350	4	0.03	2	5	208
I359342		<10	1	0.04	<10	0.32	485	1	0.03	14	280	4	0.03	<2	2	236
I359343		<10	<1	0.19	<10	1.03	665	<1	0.17	12	740	3	0.08	<2	10	58
I359344		10	<1	0.23	<10	0.93	658	3	0.15	18	740	7	0.07	<2	13	52
I359345		<10	1	0.24	<10	0.02	606	3	0.01	10	800	12	0.36	38	5	82
I359346		<10	1	0.41	10	0.02	59	6	0.01	1	1530	10	0.74	52	13	91
I359347		<10	1	0.54	<10	0.02	28	1	<0.01	1	510	7	1.06	22	6	52





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**CERTIFICATE OF ANALYSIS WH11121908**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359308		<20	<0.01	<10	10	4	<10	12
I359309		<20	<0.01	<10	10	3	<10	11
I359310		<20	0.01	<10	<10	9	<10	26
I359311		<20	<0.01	<10	<10	51	<10	80
I359312		<20	<0.01	<10	10	7	<10	17
I359313		<20	<0.01	<10	10	11	<10	19
I359314		<20	0.06	<10	<10	41	<10	20
I359315		<20	0.01	<10	10	11	<10	16
I359316		<20	<0.01	<10	10	6	<10	15
I359317		<20	0.12	<10	<10	51	<10	32
I359318		<20	0.13	<10	<10	64	<10	33
I359319		<20	0.14	<10	<10	76	<10	48
I359320		<20	0.06	<10	<10	85	<10	75
I359321		<20	<0.01	<10	<10	63	<10	72
I359322		<20	<0.01	<10	<10	74	<10	62
I359323		<20	<0.01	10	<10	54	<10	25
I359324		<20	<0.01	<10	<10	31	<10	45
I359325		<20	<0.01	<10	<10	88	<10	101
I359326		<20	<0.01	<10	<10	111	<10	94
I359327		<20	<0.01	<10	<10	19	<10	169
I359328		<20	<0.01	<10	<10	31	<10	66
I359329		<20	<0.01	<10	<10	138	<10	153
I359330		<20	<0.01	<10	<10	84	<10	121
I359331		<20	0.01	10	<10	93	<10	94
I359332		<20	0.01	<10	<10	73	<10	97
I359333		<20	0.01	<10	<10	73	<10	63
I359334		<20	<0.01	<10	<10	11	<10	28
I359335		<20	<0.01	<10	<10	50	<10	50
I359336		<20	0.05	<10	<10	94	<10	40
I359337		<20	0.03	<10	<10	44	<10	43
I359338		<20	0.08	<10	<10	56	<10	62
I359339		<20	0.04	10	<10	25	<10	24
I359340		<20	<0.01	<10	<10	14	<10	25
I359341		<20	0.04	<10	<10	35	<10	23
I359342		<20	0.01	10	10	13	<10	23
I359343		<20	0.11	<10	<10	105	<10	54
I359344		<20	0.10	<10	<10	136	<10	57
I359345		<20	<0.01	10	<10	49	<10	79
I359346		<20	<0.01	10	<10	64	<10	11
I359347		<20	<0.01	10	<10	29	<10	4



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359348		1.43	0.015	<0.2	1.21	851	<10	70	0.5	<2	0.09	<0.5	<1	20	37	4.83
I359349		0.71	<0.005	<0.2	1.98	17	<10	120	<0.5	<2	1.66	<0.5	10	43	112	3.18
I359350		1.41	<0.005	<0.2	1.19	9	<10	100	<0.5	<2	0.67	<0.5	4	23	25	1.84
I359351		1.47	<0.005	<0.2	0.66	7	<10	80	<0.5	<2	0.53	<0.5	3	16	11	1.43
I359352		1.27	<0.005	<0.2	1.78	10	<10	90	<0.5	<2	2.09	<0.5	7	30	91	2.33
I359353		1.85	<0.005	<0.2	1.84	13	<10	120	<0.5	<2	2.67	<0.5	9	29	97	2.62
I359354		1.72	<0.005	<0.2	2.65	8	<10	110	<0.5	<2	2.83	<0.5	13	26	155	3.16
I359355		1.71	<0.005	<0.2	1.49	7	<10	160	<0.5	<2	3.90	<0.5	10	45	76	2.93
I359356		1.48	<0.005	0.2	1.62	38	<10	100	<0.5	<2	4.49	<0.5	12	38	106	3.60
I359357		1.79	0.005	<0.2	1.75	50	<10	70	<0.5	<2	2.47	<0.5	10	26	122	2.96
I359358		1.70	<0.005	<0.2	1.74	20	<10	150	<0.5	<2	5.00	<0.5	12	30	104	3.84
I359359		1.37	<0.005	<0.2	0.80	43	<10	50	0.6	<2	3.44	<0.5	5	5	29	3.38
I359360		1.65	<0.005	<0.2	1.35	29	<10	80	<0.5	<2	3.31	<0.5	11	17	140	3.41
I359361		1.67	<0.005	0.2	0.91	116	<10	30	0.7	<2	3.13	<0.5	12	18	71	5.16
I359362		2.11	<0.005	<0.2	1.38	10	<10	60	<0.5	<2	2.06	<0.5	13	26	127	3.83
I359363		1.79	<0.005	<0.2	0.99	3	<10	30	<0.5	<2	4.36	<0.5	10	20	113	2.58
I359364		1.53	0.005	<0.2	1.49	30	<10	60	<0.5	<2	1.90	<0.5	10	16	103	3.04
I359365		1.31	<0.005	<0.2	1.74	29	<10	80	<0.5	<2	3.54	<0.5	9	17	77	3.28
I359366		1.77	<0.005	<0.2	1.82	7	<10	140	<0.5	<2	4.01	<0.5	14	21	129	4.04
I359367		1.51	<0.005	<0.2	0.58	35	<10	50	<0.5	<2	10.8	<0.5	16	20	143	3.07



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**CERTIFICATE OF ANALYSIS WH11121908**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
I359348		10	1	0.39	<10	0.02	31	2	0.01	2	820	12	0.68	39	10	59
I359349		10	1	0.35	10	0.70	342	<1	0.18	19	1020	2	0.01	<2	10	52
I359350		10	<1	0.34	10	0.42	279	<1	0.12	9	870	5	<0.01	<2	4	47
I359351		<10	<1	0.18	10	0.21	215	<1	0.11	5	750	5	<0.01	<2	3	40
I359352		10	<1	0.24	<10	0.49	374	<1	0.20	12	750	5	<0.01	<2	7	59
I359353		10	<1	0.21	<10	0.49	416	4	0.21	12	870	4	0.01	<2	9	71
I359354		10	<1	0.19	<10	0.61	436	4	0.34	13	880	2	<0.01	<2	10	107
I359355		10	<1	0.33	10	0.65	589	1	0.13	18	760	3	0.01	<2	8	79
I359356		10	<1	0.24	<10	0.58	635	4	0.15	17	650	<2	0.01	3	11	44
I359357		10	<1	0.20	<10	0.54	389	4	0.22	12	770	4	0.02	10	10	62
I359358		10	<1	0.40	<10	0.62	704	1	0.12	14	690	2	0.01	2	12	90
I359359		<10	<1	0.15	10	0.11	475	1	0.03	6	570	12	0.01	2	5	25
I359360		<10	<1	0.22	10	0.32	505	1	0.12	10	880	5	0.01	2	12	56
I359361		<10	<1	0.11	10	0.07	408	3	0.02	16	750	7	0.01	6	13	17
I359362		10	<1	0.24	<10	0.40	446	1	0.18	11	890	3	0.01	4	13	47
I359363		<10	<1	0.12	<10	0.34	507	1	0.15	7	860	3	0.02	6	9	58
I359364		<10	<1	0.25	<10	0.50	533	4	0.20	9	820	3	0.03	5	10	48
I359365		<10	<1	0.30	<10	0.36	581	1	0.17	10	830	4	0.03	7	9	64
I359366		10	1	0.38	10	0.58	782	2	0.10	11	1230	<2	0.02	2	16	51
I359367		<10	<1	0.07	<10	0.14	1000	3	0.05	15	700	3	0.11	11	9	136



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**CERTIFICATE OF ANALYSIS WH11121908**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359348		<20	<0.01	10	<10	121	<10	3
I359349		<20	0.16	<10	<10	99	<10	60
I359350		<20	0.09	<10	<10	49	<10	73
I359351		<20	0.06	<10	<10	32	<10	66
I359352		<20	0.13	<10	<10	71	<10	41
I359353		<20	0.15	<10	<10	83	<10	39
I359354		<20	0.19	<10	<10	102	<10	41
I359355		<20	0.16	<10	<10	86	<10	56
I359356		<20	0.14	<10	<10	100	<10	46
I359357		<20	0.18	<10	<10	96	<10	43
I359358		<20	0.15	<10	<10	111	<10	55
I359359		<20	<0.01	<10	<10	32	<10	69
I359360		<20	0.09	<10	<10	102	<10	69
I359361		<20	<0.01	<10	<10	71	<10	81
I359362		<20	0.19	<10	<10	105	<10	50
I359363		<20	0.16	<10	<10	82	<10	37
I359364		<20	0.18	<10	<10	92	<10	46
I359365		<20	0.10	<10	<10	69	<10	47
I359366		<20	0.20	<10	<10	142	<10	66
I359367		<20	0.07	<10	<10	59	<10	60



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**CERTIFICATE WH1122918**

Project: Wolverine - SKED  
 P.O. No.:  
 This report is for 13 Rock samples 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
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
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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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359368		1.42	0.015	<0.2	0.70	77	<10	160	<0.5	<2	5.73	<0.5	15	10	74	3.42
I359369		0.79	<0.005	<0.2	0.98	25	<10	120	<0.5	<2	5.49	<0.5	16	14	141	2.85
I359370		1.67	0.005	<0.2	1.09	262	<10	120	0.5	<2	4.64	<0.5	9	15	58	3.49
I359371		1.42	0.010	<0.2	1.28	124	<10	20	1.2	<2	0.23	<0.5	21	9	217	4.72
I359372		1.27	0.038	<0.2	1.48	365	<10	40	1.1	<2	0.15	<0.5	15	23	163	5.69
I359373		1.34	0.007	<0.2	1.38	203	<10	170	0.8	<2	0.07	<0.5	14	9	75	8.29
I359374		1.56	0.007	<0.2	1.08	99	<10	210	0.6	<2	0.07	<0.5	4	7	38	3.94
I359375		1.71	0.121	0.3	1.13	195	<10	610	<0.5	<2	3.01	<0.5	23	21	92	6.83
I359376		1.90	0.291	1.2	1.13	1970	<10	180	0.7	3	0.87	<0.5	14	34	71	10.85
I359377		1.48	0.085	0.2	1.04	448	<10	290	1.1	<2	1.56	<0.5	34	18	215	7.56
I359378		1.78	0.160	0.2	1.42	335	<10	50	1.0	2	2.32	<0.5	29	14	135	7.04
I359379		1.85	0.057	<0.2	1.39	2570	<10	<10	1.4	2	0.07	<0.5	22	102	102	20.6
I359380		1.54	0.014	<0.2	0.86	2730	<10	10	1.1	<2	0.06	<0.5	8	127	74	14.8



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**CERTIFICATE OF ANALYSIS WH11122918**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
I359368		<10	<1	0.09	10	0.13	937	1	0.04	12	730	3	0.04	14	9	91
I359369		<10	<1	0.13	<10	0.20	840	1	0.07	13	620	2	0.10	10	9	77
I359370		<10	<1	0.15	<10	0.20	693	1	0.05	15	690	3	0.01	16	8	76
I359371		<10	1	0.09	10	0.04	431	1	<0.01	23	710	6	0.06	24	21	33
I359372		<10	<1	0.15	10	0.04	391	2	0.01	16	960	7	0.36	35	21	86
I359373		10	<1	0.17	<10	0.02	474	1	<0.01	24	680	13	0.24	19	10	47
I359374		<10	<1	0.26	<10	0.01	188	<1	0.01	8	550	12	0.46	12	9	69
I359375		<10	<1	0.29	<10	0.30	1335	1	0.04	28	510	3	0.05	17	11	45
I359376		<10	1	0.23	10	0.16	1155	5	0.02	32	1280	12	0.13	65	13	60
I359377		<10	<1	0.14	10	0.09	1200	2	<0.01	29	870	8	0.08	105	17	40
I359378		<10	1	0.17	10	0.05	1170	1	0.01	32	730	7	0.08	33	20	30
I359379		10	<1	0.13	<10	0.03	1130	3	<0.01	99	1520	5	0.11	63	18	16
I359380		<10	1	0.16	<10	0.02	422	7	<0.01	59	1680	12	0.14	79	18	21



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**CERTIFICATE OF ANALYSIS WH11122918**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359368		<20	0.06	<10	<10	65	<10	55
I359369		<20	0.12	<10	<10	64	<10	54
I359370		<20	0.09	<10	<10	67	<10	62
I359371		<20	<0.01	<10	<10	79	<10	90
I359372		<20	<0.01	<10	<10	78	<10	85
I359373		<20	<0.01	<10	<10	76	<10	78
I359374		<20	<0.01	<10	<10	28	<10	38
I359375		<20	0.04	<10	<10	92	<10	79
I359376		<20	0.02	<10	<10	171	<10	96
I359377		<20	0.01	<10	<10	109	<10	126
I359378		<20	<0.01	10	<10	143	<10	167
I359379		<20	<0.01	<10	<10	334	<10	260
I359380		<20	<0.01	<10	<10	306	<10	424





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 Account: F

**CERTIFICATE WH11126623**

Project: Wolverine- SKED  
 P.O. No.:  
 This report is for 33 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-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

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**  
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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11126623**

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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
I359381		1.90	<0.005	0.2	1.43	16	<10	290	0.5	<2	4.34	<0.5	7	14	13	2.87
I359382		1.87	<0.005	0.2	1.70	8	<10	300	0.5	<2	4.22	<0.5	10	26	13	2.80
I359383		1.73	<0.005	<0.2	0.93	32	<10	130	0.6	<2	3.12	<0.5	6	6	24	1.68
I359384		1.64	0.007	0.2	1.25	31	<10	100	0.9	<2	0.31	0.6	18	11	88	2.77
I359385		1.43	0.042	0.3	0.99	61	<10	150	<0.5	<2	0.13	<0.5	5	9	38	2.90
I359386		1.34	1.055	1.8	0.70	563	<10	120	<0.5	<2	0.09	<0.5	4	16	26	2.38
I359387		1.75	0.132	1.1	0.95	546	<10	320	<0.5	<2	0.10	<0.5	<1	8	18	3.09
I359388		1.38	0.648	2.8	0.68	1005	<10	70	<0.5	<2	0.08	<0.5	<1	18	41	2.11
I359389		1.29	1.175	2.1	0.66	1165	<10	40	<0.5	<2	0.09	<0.5	<1	26	22	1.84
I359390		1.41	2.87	4.8	0.63	1375	<10	50	<0.5	<2	0.10	<0.5	<1	40	65	1.39
I359391		1.36	1.100	3.1	0.59	854	<10	50	<0.5	<2	0.09	<0.5	1	38	14	1.55
I359392		0.90	0.281	0.8	1.46	735	<10	30	0.5	<2	0.15	<0.5	<1	34	12	1.50
I359393		1.63	2.14	3.6	0.65	1265	<10	30	<0.5	<2	0.10	<0.5	<1	23	21	1.66
I359394		1.71	0.590	1.5	0.38	294	<10	60	<0.5	<2	0.08	<0.5	<1	47	5	1.28
I359395		1.50	0.119	1.5	0.67	310	<10	100	<0.5	<2	0.07	<0.5	<1	37	6	1.81
I359396		1.33	0.098	0.6	0.48	247	<10	160	<0.5	<2	0.11	<0.5	<1	26	4	1.96
I359397		0.63	0.138	0.4	0.72	91	<10	130	<0.5	<2	0.20	<0.5	<1	37	5	1.54
I359398		1.73	0.055	0.2	1.54	122	<10	150	1.3	<2	0.61	0.7	30	22	110	7.00
I359399		1.84	<0.005	0.2	1.16	22	<10	100	0.8	<2	3.60	<0.5	22	36	92	3.74
I359400		1.91	<0.005	<0.2	1.47	31	<10	280	0.8	<2	4.43	<0.5	15	14	118	8.54
I359401		1.67	<0.005	<0.2	1.60	13	<10	410	0.7	<2	3.83	<0.5	12	9	56	4.31
I359402		0.86	<0.005	<0.2	1.02	16	<10	140	0.7	<2	2.66	<0.5	8	6	94	3.08
I359403		2.07	0.029	<0.2	0.90	27	<10	80	0.7	2	2.80	<0.5	11	10	42	4.27
I359404		1.55	<0.005	<0.2	0.91	15	<10	400	0.5	<2	1.85	<0.5	17	11	53	2.86
I359405		1.25	<0.005	<0.2	1.04	7	<10	350	0.5	<2	2.21	<0.5	13	9	168	2.63
I359406		1.91	<0.005	<0.2	1.81	16	<10	490	0.7	<2	2.55	<0.5	21	22	148	3.83
I359407		1.57	0.090	0.4	1.49	172	<10	270	<0.5	<2	2.15	<0.5	19	15	138	3.49
I359408		1.26	<0.005	<0.2	0.63	5	<10	250	<0.5	<2	0.62	<0.5	3	8	23	1.16
I359409		1.67	0.086	0.4	1.55	180	<10	260	<0.5	<2	1.68	<0.5	14	16	70	3.04
I359410		1.69	0.031	0.5	1.79	50	<10	330	<0.5	<2	1.24	<0.5	11	15	76	2.90
I359411		1.63	0.613	0.7	1.74	523	<10	290	<0.5	<2	1.16	<0.5	10	20	64	2.86
I359412		1.42	<0.005	<0.2	1.60	13	<10	230	<0.5	<2	1.59	<0.5	10	15	90	2.94
I359413		1.06	0.007	<0.2	1.21	9	<10	230	<0.5	<2	0.95	<0.5	8	14	67	2.07



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11126623**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
I359381		<10	<1	0.60	10	0.57	411	<1	0.03	11	260	6	0.01	2	10	47
I359382		<10	<1	0.73	10	0.65	502	<1	0.03	12	270	7	0.01	3	10	43
I359383		<10	<1	0.17	10	0.08	565	<1	0.02	8	170	8	0.01	4	5	35
I359384		<10	<1	0.20	10	0.05	1540	<1	0.02	25	650	11	0.04	7	8	32
I359385		<10	<1	0.27	10	0.03	89	<1	0.02	7	340	7	0.20	11	6	65
I359386		<10	1	0.27	10	0.03	105	2	0.02	4	520	10	0.28	57	5	131
I359387		<10	3	0.46	10	0.03	30	4	0.02	1	360	18	0.84	50	6	129
I359388		<10	<1	0.19	<10	0.02	28	8	0.02	1	490	17	0.33	172	3	140
I359389		<10	<1	0.15	<10	0.02	31	8	0.01	3	670	16	0.20	102	5	196
I359390		<10	1	0.15	10	0.02	31	11	0.01	2	920	18	0.19	448	5	274
I359391		<10	2	0.25	<10	0.03	37	14	<0.01	3	590	9	0.29	181	5	159
I359392		<10	1	0.14	20	0.01	25	14	<0.01	3	1850	24	0.22	61	4	297
I359393		<10	1	0.19	10	0.02	31	23	<0.01	2	800	16	0.33	115	5	178
I359394		<10	1	0.22	<10	0.02	42	30	<0.01	<1	370	16	0.35	49	3	157
I359395		<10	2	0.26	<10	0.02	33	39	0.01	<1	340	16	0.48	65	2	126
I359396		<10	2	0.32	<10	0.02	32	32	<0.01	<1	480	10	0.56	54	2	161
I359397		<10	1	0.29	<10	0.02	26	8	0.01	<1	250	9	0.47	27	3	124
I359398		<10	1	0.22	10	0.06	3260	5	0.01	28	1110	17	0.29	15	15	152
I359399		<10	<1	0.08	10	0.27	2530	2	0.05	29	1000	7	0.09	4	13	71
I359400		<10	<1	0.19	10	0.26	3140	3	0.02	15	830	4	0.10	9	20	66
I359401		10	<1	0.14	10	0.36	1065	5	0.06	8	460	10	0.03	5	13	59
I359402		<10	<1	0.12	10	0.12	829	4	0.01	6	390	7	0.05	6	9	60
I359403		<10	<1	0.10	10	0.16	1895	7	0.03	13	480	13	0.04	7	8	48
I359404		<10	1	0.11	<10	0.17	1410	1	0.05	18	420	7	0.11	3	9	38
I359405		<10	<1	0.19	10	0.34	504	2	0.05	6	1130	5	0.24	2	11	37
I359406		10	<1	0.17	<10	0.43	874	1	0.14	17	890	3	0.40	2	10	89
I359407		<10	1	0.14	<10	0.40	712	2	0.09	13	730	4	0.32	7	8	64
I359408		<10	<1	0.17	<10	0.15	246	<1	0.06	2	320	2	0.03	<2	2	31
I359409		10	1	0.16	<10	0.72	596	1	0.10	8	670	2	0.12	2	9	43
I359410		10	<1	0.28	<10	0.72	499	3	0.15	6	670	2	0.06	4	7	54
I359411		10	1	0.19	<10	0.69	518	<1	0.14	7	530	2	0.05	13	8	46
I359412		10	<1	0.22	<10	0.72	654	<1	0.11	6	830	<2	0.03	<2	8	38
I359413		<10	<1	0.24	<10	0.51	408	<1	0.11	4	470	<2	0.03	<2	6	35



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Project: Wolverine- SKED

**CERTIFICATE OF ANALYSIS WH11126623**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
I359381		<20	0.08	<10	<10	47	<10	53
I359382		<20	0.07	<10	<10	51	<10	58
I359383		<20	<0.01	<10	<10	16	<10	40
I359384		<20	<0.01	<10	<10	26	<10	78
I359385		<20	<0.01	<10	<10	29	<10	43
I359386		<20	<0.01	<10	<10	25	<10	34
I359387		<20	<0.01	10	<10	15	<10	24
I359388		<20	<0.01	10	<10	27	<10	8
I359389		<20	<0.01	10	<10	38	<10	10
I359390		<20	<0.01	10	<10	32	<10	6
I359391		<20	<0.01	20	<10	39	<10	5
I359392		<20	<0.01	10	<10	60	<10	4
I359393		<20	<0.01	20	<10	48	<10	3
I359394		<20	<0.01	20	<10	19	<10	2
I359395		<20	<0.01	20	<10	29	<10	2
I359396		<20	<0.01	20	<10	28	<10	2
I359397		<20	<0.01	10	<10	25	<10	2
I359398		<20	<0.01	<10	<10	66	<10	191
I359399		<20	0.02	<10	<10	73	<10	101
I359400		<20	0.01	<10	10	86	<10	104
I359401		<20	0.02	<10	<10	75	<10	78
I359402		<20	<0.01	<10	<10	36	<10	49
I359403		<20	0.01	<10	30	36	<10	78
I359404		<20	0.04	<10	10	46	<10	72
I359405		<20	0.06	<10	<10	92	<10	42
I359406		<20	0.12	<10	<10	82	<10	82
I359407		<20	0.13	<10	<10	70	<10	47
I359408		<20	0.02	<10	<10	23	<10	29
I359409		<20	0.09	<10	<10	87	<10	48
I359410		<20	0.08	<10	<10	79	<10	46
I359411		<20	0.08	<10	<10	77	<10	41
I359412		<20	0.08	<10	<10	86	<10	47
I359413		<20	0.09	<10	<10	59	<10	43



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**CERTIFICATE WH11177060**

Project: WLV - Sked  
 P.O. No.:  
 This report is for 199 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

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: WLV - Sked

**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022501		0.28	0.001	0.2	0.92	8	<10	140	<0.5	<2	0.33	<0.5	5	14	31	1.50
DD022502		0.30	<0.001	<0.2	0.86	8	<10	110	<0.5	<2	0.37	<0.5	5	14	39	1.69
DD022503		0.24	0.001	<0.2	1.08	4	<10	140	<0.5	<2	0.28	<0.5	5	16	31	1.68
DD022504		0.30	<0.001	<0.2	0.65	2	<10	60	<0.5	<2	0.20	<0.5	4	14	7	1.59
DD022505		0.26	<0.001	<0.2	1.00	4	<10	130	<0.5	<2	0.29	<0.5	5	16	24	1.52
DD022506		0.44	0.004	<0.2	0.92	4	<10	110	<0.5	<2	0.28	<0.5	4	16	27	1.70
DD022507		0.34	<0.001	<0.2	0.85	3	<10	100	<0.5	<2	0.22	<0.5	3	15	20	1.55
DD022508		0.36	<0.001	<0.2	0.94	8	<10	90	<0.5	<2	0.21	<0.5	5	16	18	1.99
DD022509		0.40	0.002	<0.2	0.98	7	<10	130	<0.5	<2	0.26	<0.5	4	16	36	1.68
DD022510		0.32	<0.001	<0.2	0.63	4	<10	80	<0.5	<2	0.25	<0.5	4	11	14	1.10
DD022511		0.36	<0.001	<0.2	3.16	4	<10	240	<0.5	<2	0.38	<0.5	18	26	67	4.60
DD022512		0.26	0.008	<0.2	1.62	3	<10	160	<0.5	<2	0.40	<0.5	10	25	32	2.67
DD022513		0.26	<0.001	0.2	1.60	6	<10	200	<0.5	<2	0.47	<0.5	7	26	62	2.60
DD022514		0.24	<0.001	<0.2	2.89	6	<10	150	<0.5	<2	0.27	<0.5	14	63	78	4.07
DD022515		0.26	<0.001	<0.2	1.58	5	<10	120	<0.5	<2	0.18	<0.5	7	29	28	2.56
DD022516		0.20	<0.001	<0.2	1.28	5	<10	100	<0.5	<2	0.25	<0.5	6	21	20	2.11
DD022517		0.28	0.003	<0.2	1.76	8	<10	140	<0.5	<2	0.20	<0.5	9	28	17	2.95
DD022518		0.28	<0.001	<0.2	1.66	4	<10	130	<0.5	<2	0.31	<0.5	9	60	47	2.52
DD022519		0.20	<0.001	<0.2	2.22	9	<10	130	<0.5	<2	0.34	<0.5	13	44	42	3.38
DD022520		0.36	<0.001	<0.2	1.31	4	<10	130	<0.5	<2	0.29	<0.5	8	54	25	2.11
DD022521		0.24	<0.001	<0.2	2.22	8	<10	160	<0.5	<2	0.30	<0.5	9	37	41	3.08
DD022522		0.20	<0.001	<0.2	1.80	3	<10	130	<0.5	<2	0.21	<0.5	10	32	43	2.68
DD022523		0.28	<0.001	<0.2	1.40	6	<10	110	<0.5	<2	0.17	<0.5	7	26	22	2.57
DD022524		0.24	<0.001	<0.2	1.39	4	<10	100	<0.5	<2	0.18	<0.5	5	22	23	2.13
DD022525		0.24	0.001	<0.2	1.39	4	<10	140	<0.5	<2	0.18	<0.5	5	24	16	2.57
DD022526		0.28	<0.001	<0.2	1.31	5	<10	90	<0.5	<2	0.14	<0.5	6	18	22	2.73
DD022527		0.32	<0.001	<0.2	1.68	6	<10	90	<0.5	<2	0.20	<0.5	7	24	21	2.29
DD022528		0.32	<0.001	<0.2	1.94	9	<10	170	<0.5	<2	0.25	<0.5	8	30	34	3.02
DD022529		0.20	<0.001	<0.2	1.66	5	<10	180	<0.5	<2	0.38	<0.5	8	23	44	2.54
DD022530		0.24	0.004	<0.2	0.90	2	<10	100	<0.5	<2	0.22	<0.5	4	20	16	1.75
DD022531		0.26	0.020	<0.2	1.33	3	<10	130	<0.5	<2	0.25	<0.5	7	26	36	2.23
DD022532		0.26	0.003	<0.2	1.45	7	<10	110	<0.5	<2	0.18	<0.5	6	23	16	2.54
DD022533		0.24	<0.001	0.4	2.65	10	<10	230	<0.5	<2	0.22	<0.5	11	52	43	4.24
DD022534		0.26	0.005	<0.2	2.22	8	<10	160	<0.5	<2	0.22	<0.5	9	31	43	3.41
DD022535		0.30	0.001	<0.2	2.00	8	<10	110	<0.5	<2	0.16	<0.5	8	35	29	3.38
DD022536		0.26	<0.001	<0.2	1.39	5	<10	90	<0.5	<2	0.22	<0.5	6	23	15	2.28
DD022537		0.20	<0.001	<0.2	0.79	4	<10	60	<0.5	<2	0.11	<0.5	3	11	14	1.63
DD022538		0.28	<0.001	<0.2	1.52	6	<10	90	<0.5	<2	0.18	<0.5	7	23	21	2.44
DD022539		0.32	<0.001	<0.2	1.45	5	<10	100	<0.5	<2	0.20	<0.5	6	21	20	2.18
DD022540		0.28	<0.001	<0.2	1.29	2	<10	130	<0.5	<2	0.33	<0.5	8	25	27	2.05



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
DD022501		<10	<1	0.05	10	0.28	217	<1	0.02	7	320	5	0.01	<2	2	20
DD022502		<10	<1	0.07	10	0.37	174	<1	0.02	7	520	2	0.01	<2	3	16
DD022503		<10	<1	0.05	10	0.31	145	<1	0.02	7	440	3	0.01	<2	3	18
DD022504		<10	<1	0.05	10	0.21	153	<1	0.01	7	520	2	0.01	<2	1	12
DD022505		<10	<1	0.06	10	0.29	125	<1	0.01	7	510	2	0.01	<2	2	19
DD022506		<10	<1	0.06	10	0.29	168	<1	0.01	7	560	2	0.01	<2	2	16
DD022507		<10	<1	0.05	10	0.24	107	<1	0.01	6	370	2	0.01	<2	2	15
DD022508		<10	<1	0.05	10	0.24	199	<1	0.01	8	470	4	<0.01	<2	2	13
DD022509		<10	<1	0.06	10	0.31	131	<1	0.01	7	460	3	<0.01	<2	3	15
DD022510		<10	<1	0.05	10	0.22	120	<1	0.01	5	420	2	<0.01	<2	2	15
DD022511		10	<1	0.61	<10	1.52	742	<1	0.02	12	350	4	<0.01	<2	5	25
DD022512		10	<1	0.30	10	0.87	496	<1	0.02	11	450	3	<0.01	<2	4	26
DD022513		<10	<1	0.20	10	0.76	273	<1	0.02	12	640	4	<0.01	<2	5	28
DD022514		10	<1	0.08	<10	1.37	439	<1	0.02	25	330	7	<0.01	<2	5	22
DD022515		<10	<1	0.08	10	0.54	235	<1	0.01	15	320	3	<0.01	<2	3	14
DD022516		<10	<1	0.11	10	0.48	252	<1	0.01	10	480	3	<0.01	<2	3	17
DD022517		10	<1	0.11	10	0.60	320	<1	0.01	12	430	5	<0.01	<2	3	19
DD022518		<10	<1	0.31	10	0.81	380	<1	0.02	22	410	3	<0.01	<2	5	19
DD022519		10	<1	0.31	10	1.14	665	<1	0.01	20	510	3	<0.01	<2	5	21
DD022520		<10	<1	0.10	10	0.56	246	<1	0.01	18	520	3	<0.01	<2	4	17
DD022521		10	<1	0.20	10	0.81	336	<1	0.01	16	420	5	<0.01	<2	5	23
DD022522		<10	<1	0.22	10	0.64	411	<1	0.02	14	390	3	<0.01	<2	4	19
DD022523		10	<1	0.14	10	0.62	287	<1	0.01	10	280	3	<0.01	<2	3	15
DD022524		10	<1	0.10	10	0.49	185	<1	0.01	9	290	5	<0.01	<2	3	16
DD022525		10	<1	0.08	10	0.37	290	<1	0.01	8	230	8	<0.01	<2	2	19
DD022526		10	<1	0.16	10	0.51	235	<1	0.01	8	380	5	<0.01	<2	2	15
DD022527		<10	<1	0.07	10	0.43	221	<1	0.01	12	500	5	<0.01	<2	3	14
DD022528		10	<1	0.14	10	0.64	319	<1	0.01	22	340	9	<0.01	<2	4	19
DD022529		10	<1	0.21	10	0.59	308	<1	0.02	13	470	5	<0.01	<2	5	25
DD022530		10	<1	0.08	10	0.26	201	<1	0.01	8	130	6	<0.01	<2	2	19
DD022531		<10	<1	0.17	10	0.56	270	<1	0.01	12	340	4	<0.01	<2	3	19
DD022532		<10	<1	0.10	10	0.42	260	<1	0.01	12	340	5	<0.01	<2	3	15
DD022533		10	<1	0.17	10	0.87	396	<1	0.01	24	400	8	<0.01	<2	10	20
DD022534		10	<1	0.20	10	0.71	320	<1	0.01	15	350	6	<0.01	<2	5	21
DD022535		10	<1	0.13	10	0.67	367	<1	0.01	13	370	7	<0.01	<2	4	15
DD022536		<10	<1	0.09	10	0.41	216	<1	0.01	9	620	3	<0.01	<2	2	16
DD022537		<10	<1	0.05	10	0.16	105	<1	0.02	4	410	3	<0.01	<2	1	12
DD022538		10	<1	0.11	10	0.54	226	<1	0.01	10	330	4	<0.01	<2	3	14
DD022539		10	<1	0.11	10	0.49	211	<1	0.01	9	340	5	<0.01	<2	3	15
DD022540		<10	<1	0.23	10	0.65	341	<1	0.01	11	500	3	<0.01	<2	3	18



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**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD022501		<20	0.05	<10	<10	38	<10	31
DD022502		<20	0.05	<10	<10	42	<10	29
DD022503		<20	0.06	<10	<10	43	<10	31
DD022504		<20	0.05	<10	<10	36	<10	25
DD022505		<20	0.06	<10	<10	37	<10	35
DD022506		<20	0.06	<10	<10	43	<10	27
DD022507		<20	0.05	<10	<10	41	<10	26
DD022508		<20	0.06	<10	<10	52	<10	28
DD022509		<20	0.06	<10	<10	43	<10	27
DD022510		<20	0.04	<10	<10	26	<10	25
DD022511		<20	0.24	<10	<10	127	<10	82
DD022512		<20	0.16	<10	<10	75	<10	53
DD022513		<20	0.12	<10	<10	71	<10	44
DD022514		<20	0.20	<10	<10	117	<10	97
DD022515		<20	0.10	<10	<10	63	<10	41
DD022516		<20	0.09	<10	<10	52	<10	37
DD022517		<20	0.12	<10	<10	75	<10	56
DD022518		<20	0.10	<10	<10	65	<10	78
DD022519		<20	0.16	<10	<10	84	<10	60
DD022520		<20	0.08	<10	<10	48	<10	37
DD022521		<20	0.13	<10	<10	85	<10	53
DD022522		<20	0.11	<10	<10	70	<10	43
DD022523		<20	0.14	<10	<10	75	<10	45
DD022524		<20	0.11	<10	<10	59	<10	37
DD022525		<20	0.12	<10	<10	72	<10	45
DD022526		<20	0.15	<10	<10	83	<10	34
DD022527		<20	0.08	<10	<10	51	<10	38
DD022528		<20	0.12	<10	<10	71	<10	57
DD022529		<20	0.11	<10	<10	70	<10	50
DD022530		<20	0.11	<10	<10	61	<10	31
DD022531		<20	0.10	<10	<10	63	<10	41
DD022532		<20	0.09	<10	<10	61	<10	40
DD022533		<20	0.13	<10	<10	100	<10	70
DD022534		<20	0.14	<10	<10	87	<10	52
DD022535		<20	0.12	<10	<10	84	<10	49
DD022536		<20	0.08	<10	<10	52	<10	38
DD022537		<20	0.07	<10	<10	51	<10	21
DD022538		<20	0.11	<10	<10	63	<10	41
DD022539		<20	0.10	<10	<10	58	<10	38
DD022540		<20	0.11	<10	<10	54	<10	39





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Sample Description	Method Analyte Units LOR	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022541		0.42	<0.001	<0.2	1.86	5	<10	140	<0.5	<2	0.27	<0.5	9	28	36	2.71
DD022542		0.32	0.001	<0.2	1.60	7	<10	120	<0.5	<2	0.23	<0.5	7	25	26	2.25
DD022543		0.22	<0.001	<0.2	1.75	7	<10	100	<0.5	<2	0.23	<0.5	7	32	25	2.87
DD022544		0.24	<0.001	<0.2	1.68	6	<10	140	<0.5	<2	0.15	<0.5	8	25	29	2.63
DD022545		0.26	0.002	<0.2	2.65	16	<10	200	<0.5	<2	0.19	<0.5	12	31	37	3.72
DD022546		0.22	0.011	<0.2	2.05	8	<10	130	<0.5	<2	0.23	<0.5	10	33	46	3.22
DD022547		0.32	0.001	<0.2	2.41	8	<10	150	<0.5	<2	0.26	<0.5	12	42	44	3.52
DD022548		0.12	0.003	<0.2	1.29	6	<10	160	<0.5	<2	0.22	<0.5	6	21	38	2.13
DD022549		0.30	0.004	<0.2	1.36	6	<10	110	<0.5	<2	0.25	<0.5	8	19	30	2.10
DD022550		0.20	0.001	<0.2	1.53	7	<10	120	<0.5	<2	0.19	<0.5	7	23	37	2.61
DD022551		0.38	0.004	<0.2	1.43	7	<10	190	<0.5	<2	0.42	<0.5	6	30	33	2.13
DD022552		0.26	0.002	<0.2	1.67	8	<10	180	<0.5	<2	0.33	<0.5	9	30	27	2.66
DD022553		0.20	0.001	<0.2	1.39	5	<10	170	<0.5	<2	0.45	<0.5	7	25	28	2.10
DD022554		0.30	0.011	<0.2	1.61	4	<10	190	<0.5	<2	0.44	<0.5	9	45	33	2.70
DD022555		0.26	0.001	<0.2	1.60	2	<10	150	<0.5	<2	0.53	<0.5	9	36	35	2.36
DD022556		0.44	0.001	<0.2	1.94	3	<10	230	<0.5	<2	0.49	<0.5	11	37	72	2.85
DD022557		0.30	0.002	<0.2	1.59	4	<10	150	<0.5	<2	0.29	<0.5	7	30	42	2.10
DD022558		0.34	0.001	<0.2	1.27	3	<10	140	<0.5	<2	0.23	<0.5	5	18	24	1.65
DD022559		0.30	0.018	<0.2	1.56	4	<10	140	<0.5	<2	0.25	<0.5	6	21	27	1.84
DD022560		0.38	0.017	<0.2	1.29	4	<10	100	<0.5	<2	0.29	<0.5	6	19	21	1.99
DD022561		0.26	0.006	<0.2	1.58	6	<10	120	<0.5	<2	0.27	<0.5	8	20	27	2.45
DD022562		0.34	0.001	<0.2	1.18	6	<10	80	<0.5	<2	0.20	<0.5	5	19	17	2.19
DD022563		0.26	0.002	<0.2	1.17	5	<10	80	<0.5	<2	0.19	<0.5	6	21	27	2.15
DD022564		0.28	0.001	<0.2	1.09	3	<10	100	<0.5	<2	0.28	<0.5	6	17	15	1.68
DD022565		0.34	0.010	<0.2	1.79	3	<10	180	<0.5	<2	0.37	<0.5	8	25	37	2.40
DD022566		0.36	0.019	<0.2	1.27	<2	<10	110	<0.5	<2	0.25	<0.5	7	23	18	1.58
DD022567		0.28	<0.001	<0.2	1.25	3	<10	130	<0.5	<2	0.36	<0.5	7	26	37	1.77
DD022568		0.34	0.010	<0.2	1.21	3	<10	150	<0.5	<2	0.37	<0.5	7	26	26	2.00
DD022569		0.32	0.001	<0.2	1.54	4	<10	160	<0.5	<2	0.47	<0.5	7	50	38	3.03
DD022570		0.24	0.001	<0.2	0.31	2	<10	80	<0.5	<2	0.29	<0.5	10	6	10	1.27
DD022571		0.26	0.002	<0.2	1.29	5	<10	170	<0.5	<2	0.46	<0.5	6	31	32	2.09
DD022572		0.18	0.001	<0.2	1.10	5	<10	150	<0.5	<2	0.38	<0.5	8	22	19	2.22
DD022573		0.24	0.006	<0.2	1.36	4	<10	170	<0.5	<2	0.26	<0.5	6	23	16	1.85
DD022574		0.38	0.010	<0.2	1.42	4	<10	180	<0.5	<2	0.28	<0.5	5	20	23	1.74
DD022575		0.30	0.002	<0.2	1.16	2	<10	110	<0.5	<2	0.22	<0.5	5	17	17	1.46
DD022576		0.38	0.001	<0.2	1.21	2	<10	100	<0.5	<2	0.24	<0.5	5	17	20	1.98
DD022577		0.34	0.003	<0.2	2.16	6	<10	140	<0.5	<2	0.28	<0.5	13	27	60	3.46
DD022578		0.26	<0.001	<0.2	1.14	7	<10	70	<0.5	<2	0.22	<0.5	6	23	16	2.47
DD022579		0.30	0.011	<0.2	1.58	8	<10	130	<0.5	<2	0.23	<0.5	6	25	18	2.50
DD022580		0.24	0.003	0.2	1.74	10	<10	90	<0.5	<2	0.15	<0.5	5	22	23	2.36



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
DD022541		<10	<1	0.19	10	0.67	340	<1	0.01	14	480	4	<0.01	<2	3	17
DD022542		<10	<1	0.13	10	0.49	249	<1	0.01	12	510	3	<0.01	<2	3	16
DD022543		<10	<1	0.12	10	0.60	250	<1	0.01	14	380	5	<0.01	<2	3	18
DD022544		10	<1	0.10	10	0.42	312	1	0.03	12	400	6	0.03	<2	3	15
DD022545		10	<1	0.14	10	0.72	442	<1	0.04	21	340	7	0.02	<2	4	20
DD022546		10	<1	0.15	10	0.78	411	1	0.04	17	500	6	0.03	<2	4	16
DD022547		10	<1	0.25	10	1.02	474	<1	0.03	20	350	5	0.02	2	5	19
DD022548		10	<1	0.05	10	0.25	222	1	0.04	9	340	8	0.03	<2	2	23
DD022549		<10	<1	0.14	10	0.48	275	<1	0.03	13	580	4	0.02	<2	3	15
DD022550		10	<1	0.12	10	0.48	224	1	0.03	11	270	5	0.02	<2	3	18
DD022551		<10	<1	0.15	10	0.52	246	<1	0.04	14	630	4	0.04	<2	5	23
DD022552		10	<1	0.11	10	0.62	347	<1	0.04	16	420	7	0.02	<2	4	22
DD022553		<10	<1	0.12	10	0.38	289	<1	0.05	14	490	5	0.04	<2	3	24
DD022554		10	<1	0.25	10	0.83	433	<1	0.04	19	550	5	0.02	<2	5	24
DD022555		10	<1	0.21	10	0.76	311	1	0.04	15	750	3	0.03	<2	4	27
DD022556		10	<1	0.36	10	1.00	353	<1	0.04	17	840	4	0.03	<2	5	25
DD022557		<10	<1	0.14	10	0.53	193	<1	0.04	14	570	4	0.03	<2	3	20
DD022558		<10	<1	0.06	10	0.35	157	<1	0.03	9	580	4	0.03	<2	1	17
DD022559		<10	<1	0.08	10	0.44	147	<1	0.04	12	580	5	0.03	<2	2	18
DD022560		<10	<1	0.12	10	0.51	223	<1	0.03	11	640	4	0.02	<2	2	16
DD022561		10	<1	0.13	10	0.54	295	1	0.03	11	580	4	0.02	<2	3	19
DD022562		10	<1	0.08	10	0.39	187	1	0.03	9	500	6	0.02	<2	2	14
DD022563		10	<1	0.09	10	0.40	257	1	0.04	10	500	5	0.03	<2	2	15
DD022564		<10	<1	0.10	10	0.42	174	<1	0.04	9	590	4	0.03	<2	2	16
DD022565		10	<1	0.12	10	0.60	232	<1	0.04	12	850	4	0.04	<2	4	23
DD022566		<10	<1	0.05	10	0.42	175	<1	0.04	10	500	3	0.03	<2	3	18
DD022567		<10	<1	0.15	10	0.53	223	<1	0.03	13	590	5	0.03	<2	3	20
DD022568		<10	<1	0.14	10	0.57	230	<1	0.04	12	610	4	0.02	<2	4	19
DD022569		<10	<1	0.19	10	0.60	252	1	0.04	20	650	4	0.03	<2	6	25
DD022570		<10	<1	0.04	<10	0.07	721	1	0.06	5	640	2	0.04	<2	1	16
DD022571		<10	<1	0.11	20	0.49	251	<1	0.04	15	640	4	0.04	<2	5	25
DD022572		<10	<1	0.06	10	0.39	362	<1	0.04	9	730	4	0.04	<2	3	23
DD022573		<10	<1	0.04	10	0.33	162	<1	0.04	10	660	6	0.05	<2	3	20
DD022574		<10	<1	0.06	10	0.31	157	<1	0.04	9	680	4	0.04	<2	4	21
DD022575		<10	<1	0.08	10	0.31	182	<1	0.05	11	500	7	0.03	<2	2	16
DD022576		<10	<1	0.09	10	0.36	192	<1	0.04	8	550	3	0.03	<2	2	16
DD022577		10	<1	0.17	10	0.75	564	1	0.04	13	650	6	0.03	<2	5	19
DD022578		10	<1	0.09	10	0.43	250	1	0.04	10	640	5	0.03	<2	2	14
DD022579		10	<1	0.06	10	0.39	255	1	0.04	11	420	6	0.03	<2	3	19
DD022580		10	<1	0.06	10	0.32	170	1	0.01	12	280	6	<0.01	<2	3	16



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**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD022541		<20	0.13	<10	<10	67	<10	46
DD022542		<20	0.09	<10	<10	53	<10	39
DD022543		<20	0.12	<10	<10	68	<10	46
DD022544		<20	0.10	<10	<10	67	<10	43
DD022545		<20	0.14	<10	<10	87	<10	74
DD022546		<20	0.14	<10	<10	93	<10	58
DD022547		<20	0.17	<10	<10	93	<10	64
DD022548		<20	0.09	<10	<10	59	<10	35
DD022549		<20	0.09	<10	<10	50	<10	40
DD022550		<20	0.11	<10	<10	73	<10	47
DD022551		<20	0.07	<10	<10	50	<10	42
DD022552		<20	0.11	<10	<10	64	<10	50
DD022553		<20	0.08	<10	<10	55	<10	40
DD022554		<20	0.12	<10	<10	70	<10	53
DD022555		<20	0.13	<10	<10	67	<10	52
DD022556		<20	0.16	<10	<10	81	<10	52
DD022557		<20	0.09	<10	<10	53	<10	36
DD022558		<20	0.06	<10	<10	38	<10	31
DD022559		<20	0.07	<10	<10	44	<10	37
DD022560		<20	0.10	<10	<10	51	<10	39
DD022561		<20	0.10	<10	<10	64	<10	47
DD022562		<20	0.10	<10	<10	62	<10	37
DD022563		<20	0.08	<10	<10	62	<10	38
DD022564		<20	0.09	<10	<10	43	<10	36
DD022565		<20	0.11	<10	<10	58	<10	55
DD022566		<20	0.08	<10	<10	37	<10	36
DD022567		<20	0.10	<10	<10	48	<10	39
DD022568		<20	0.09	<10	<10	50	<10	39
DD022569		<20	0.08	<10	<10	66	<10	52
DD022570		<20	0.05	<10	<10	42	<10	14
DD022571		<20	0.07	<10	<10	50	<10	42
DD022572		<20	0.08	<10	<10	58	<10	44
DD022573		<20	0.07	<10	<10	41	<10	41
DD022574		<20	0.07	<10	<10	45	<10	34
DD022575		<20	0.08	<10	<10	36	<10	35
DD022576		<20	0.08	<10	<10	50	<10	35
DD022577		<20	0.12	<10	<10	92	<10	64
DD022578		<20	0.09	<10	<10	65	<10	45
DD022579		<20	0.10	<10	<10	62	<10	39
DD022580		<20	0.10	<10	<10	62	<10	37



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Sample Description	Method Analyte Units LOR	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022621		0.28	0.006	<0.2	1.51	9	<10	110	<0.5	<2	0.27	<0.5	9	29	30	2.90
DD022622		0.36	0.001	<0.2	1.22	6	<10	120	<0.5	<2	0.29	<0.5	7	24	22	2.21
DD022623		0.36	0.003	<0.2	1.60	9	<10	100	<0.5	<2	0.21	<0.5	9	48	19	2.77
DD022624		0.30	0.003	<0.2	1.38	33	<10	190	<0.5	<2	0.45	<0.5	9	24	28	2.27
DD022625		0.32	<0.001	<0.2	1.64	9	<10	110	<0.5	<2	0.21	<0.5	6	26	20	2.47
DD022626		0.34	0.001	<0.2	2.58	9	<10	110	<0.5	<2	0.23	<0.5	12	42	32	4.01
DD022627		0.28	<0.001	0.2	1.75	8	<10	130	<0.5	<2	0.17	<0.5	9	30	20	3.10
DD022628		0.36	<0.001	<0.2	1.76	10	<10	160	<0.5	<2	0.20	<0.5	9	31	29	2.97
DD022629		0.24	0.003	<0.2	2.08	8	<10	180	<0.5	<2	0.27	<0.5	12	32	44	3.21
DD022630		0.32	0.001	0.5	2.83	5	<10	210	0.7	<2	0.55	<0.5	18	62	153	4.11
DD022631		0.28	0.001	0.2	0.84	4	<10	180	<0.5	<2	0.46	<0.5	7	17	31	1.70
DD022632		0.22	0.002	<0.2	1.14	10	<10	90	<0.5	<2	0.13	<0.5	5	19	15	2.34
DD022633		0.26	0.003	0.2	2.07	9	<10	120	<0.5	<2	0.17	<0.5	8	32	21	2.96
DD022634		0.30	0.001	<0.2	2.07	13	<10	170	<0.5	<2	0.24	<0.5	9	33	32	3.21
DD022635		0.32	<0.001	<0.2	1.73	22	<10	150	<0.5	<2	0.34	<0.5	16	31	33	4.34
DD022636		0.20	0.012	0.3	1.54	6	<10	290	<0.5	<2	0.66	<0.5	10	28	72	2.43
DD022637		0.18	0.002	<0.2	1.31	7	<10	120	<0.5	<2	0.34	<0.5	6	23	24	2.04
DD022638		0.40	0.009	<0.2	1.43	9	<10	140	<0.5	<2	0.26	<0.5	8	28	22	2.40
DD022639		0.18	<0.001	0.2	1.33	5	<10	190	<0.5	<2	0.64	<0.5	10	15	57	2.09
DD022640		0.48	0.003	<0.2	1.93	4	<10	240	<0.5	<2	0.50	<0.5	11	35	69	3.09
DD022641		0.28	0.016	<0.2	1.65	7	<10	210	<0.5	<2	0.30	<0.5	8	27	40	2.44
DD022642		0.40	0.001	<0.2	1.97	10	<10	140	<0.5	<2	0.30	<0.5	9	34	29	3.01
DD022643		0.36	0.002	<0.2	2.30	12	<10	180	<0.5	<2	0.26	<0.5	12	34	43	3.30
DD022644		0.32	0.004	<0.2	1.18	7	<10	120	<0.5	<2	0.21	<0.5	5	21	14	2.06
DD022645		0.46	0.008	<0.2	1.67	68	<10	120	<0.5	<2	0.18	<0.5	11	32	23	2.43
DD022646		0.28	<0.001	<0.2	3.38	15	<10	140	0.6	<2	0.18	<0.5	13	46	35	4.32
DD022647		0.32	0.001	<0.2	2.47	8	<10	190	<0.5	<2	0.28	<0.5	15	37	48	3.45
DD022648		0.40	0.005	<0.2	2.88	9	<10	260	0.5	<2	0.49	<0.5	15	60	125	3.59
DD022649		0.48	<0.001	<0.2	1.54	8	<10	110	<0.5	<2	0.25	<0.5	8	29	28	2.62
DD022650		0.30	<0.001	0.2	1.42	4	<10	100	<0.5	<2	0.26	<0.5	8	23	56	2.14
DD022651		0.34	0.007	<0.2	0.86	4	<10	120	<0.5	<2	0.24	<0.5	2	16	14	0.89
DD022652		0.36	0.009	<0.2	0.75	3	<10	90	<0.5	<2	0.20	<0.5	2	12	8	1.05
DD022653		0.26	0.001	<0.2	0.70	6	<10	100	<0.5	<2	0.22	0.6	4	13	14	1.45
DD022654		0.26	<0.001	<0.2	0.88	8	<10	90	<0.5	<2	0.18	<0.5	4	14	8	1.56
DD022655		0.22	<0.001	<0.2	1.80	10	<10	70	<0.5	<2	0.13	<0.5	4	18	13	1.79
DD022656		0.28	0.004	<0.2	0.84	6	<10	60	<0.5	<2	0.22	<0.5	3	12	9	1.27
DD022657		0.26	<0.001	<0.2	0.70	2	<10	80	<0.5	<2	0.29	<0.5	3	13	8	1.02
DD022658		0.36	0.001	<0.2	0.76	7	<10	80	<0.5	<2	0.33	<0.5	4	17	14	1.84
DD022659		0.38	<0.001	<0.2	0.99	7	<10	90	<0.5	<2	0.46	<0.5	5	19	31	1.68
DD022660		0.26	0.001	<0.2	0.93	16	<10	180	<0.5	<2	0.44	<0.5	6	17	44	1.81



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD022621		10	<1	0.29	10	0.75	363	1	0.01	15	190	3	<0.01	<2	5	18
DD022622		<10	<1	0.18	10	0.49	311	<1	0.01	13	380	2	<0.01	<2	3	18
DD022623		10	<1	0.18	10	0.60	329	1	0.01	24	430	2	<0.01	<2	4	16
DD022624		<10	<1	0.15	10	0.45	658	1	0.02	12	540	<2	0.02	<2	4	21
DD022625		10	<1	0.07	10	0.40	186	<1	0.01	11	580	5	<0.01	<2	3	18
DD022626		10	<1	0.10	10	0.84	330	1	0.02	21	290	4	<0.01	<2	6	21
DD022627		10	<1	0.11	10	0.54	504	1	0.01	14	320	5	<0.01	<2	3	19
DD022628		10	<1	0.13	10	0.61	456	1	0.01	15	320	5	<0.01	<2	3	21
DD022629		10	<1	0.25	10	0.80	368	1	0.02	17	350	5	<0.01	<2	4	22
DD022630		10	<1	0.15	30	0.82	1545	2	0.02	26	1570	2	0.05	<2	7	35
DD022631		<10	<1	0.04	10	0.26	592	<1	0.03	10	700	3	0.02	<2	3	24
DD022632		10	<1	0.07	10	0.27	405	1	0.01	8	510	3	<0.01	<2	3	15
DD022633		10	<1	0.07	10	0.41	245	1	0.01	16	380	7	<0.01	<2	4	19
DD022634		10	<1	0.15	10	0.69	424	1	0.02	19	480	4	<0.01	<2	4	21
DD022635		10	<1	0.23	10	0.63	680	1	0.01	15	780	3	<0.01	3	7	21
DD022636		10	<1	0.15	20	0.56	602	1	0.02	22	790	8	0.03	<2	7	32
DD022637		10	<1	0.11	10	0.39	367	1	0.02	12	340	5	<0.01	<2	3	18
DD022638		<10	<1	0.20	10	0.57	403	1	0.01	14	270	3	<0.01	<2	4	18
DD022639		<10	<1	0.10	10	0.20	989	1	0.03	10	760	<2	0.05	<2	3	29
DD022640		10	<1	0.44	10	0.98	471	<1	0.02	16	760	2	0.01	<2	8	29
DD022641		10	<1	0.14	10	0.48	349	1	0.02	13	310	6	<0.01	<2	5	25
DD022642		10	<1	0.12	10	0.71	323	1	0.02	19	400	6	<0.01	<2	4	23
DD022643		10	1	0.28	10	0.84	368	1	0.02	22	340	3	<0.01	<2	5	23
DD022644		10	<1	0.08	10	0.32	275	1	0.01	9	320	6	<0.01	<2	3	18
DD022645		<10	<1	0.13	10	0.46	385	1	0.01	24	300	3	<0.01	<2	4	18
DD022646		10	<1	0.13	10	0.75	362	1	0.01	25	470	7	<0.01	<2	6	18
DD022647		10	<1	0.16	10	0.98	965	<1	0.02	21	340	3	<0.01	<2	6	27
DD022648		10	<1	0.19	20	0.90	667	1	0.02	33	800	5	0.01	<2	8	38
DD022649		10	<1	0.12	10	0.62	286	1	0.01	15	420	4	<0.01	<2	4	17
DD022650		<10	<1	0.08	10	0.41	362	1	0.03	11	390	2	<0.01	<2	5	20
DD022651		<10	<1	0.05	10	0.19	76	<1	0.01	7	390	8	0.01	<2	3	18
DD022652		<10	<1	0.05	10	0.20	98	<1	0.01	6	510	3	0.01	<2	2	16
DD022653		<10	<1	0.06	10	0.20	209	<1	0.01	6	440	4	0.01	<2	2	19
DD022654		<10	<1	0.04	10	0.19	131	<1	0.01	8	400	2	<0.01	<2	2	13
DD022655		<10	<1	0.03	10	0.21	106	<1	0.01	11	360	4	<0.01	<2	2	14
DD022656		<10	<1	0.04	10	0.21	102	<1	0.03	8	400	5	0.01	<2	2	12
DD022657		<10	<1	0.06	10	0.23	80	<1	0.03	6	470	8	0.02	<2	2	15
DD022658		<10	<1	0.06	10	0.28	172	1	0.03	8	490	8	0.01	<2	2	16
DD022659		<10	<1	0.07	10	0.37	147	1	0.03	11	510	10	0.02	2	3	23
DD022660		<10	<1	0.05	10	0.33	366	<1	0.03	10	500	15	0.02	<2	3	21



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**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD022621		<20	0.14	<10	<10	76	<10	50
DD022622		<20	0.10	<10	<10	59	<10	38
DD022623		<20	0.10	<10	<10	65	<10	45
DD022624		<20	0.07	<10	<10	57	<10	38
DD022625		<20	0.10	<10	<10	57	<10	39
DD022626		<20	0.11	<10	<10	97	<10	70
DD022627		<20	0.13	<10	<10	79	<10	53
DD022628		<20	0.13	<10	<10	77	<10	60
DD022629		<20	0.15	<10	<10	84	<10	51
DD022630		<20	0.08	<10	<10	101	<10	57
DD022631		<20	0.05	<10	<10	45	<10	25
DD022632		<20	0.09	<10	<10	63	<10	35
DD022633		<20	0.11	<10	<10	73	<10	43
DD022634		<20	0.13	<10	<10	78	<10	56
DD022635		<20	0.09	<10	<10	96	<10	66
DD022636		<20	0.08	<10	<10	63	<10	44
DD022637		<20	0.09	<10	<10	58	<10	32
DD022638		<20	0.11	<10	<10	58	<10	44
DD022639		<20	0.04	<10	<10	52	<10	24
DD022640		<20	0.13	<10	<10	81	<10	58
DD022641		<20	0.11	<10	<10	66	<10	43
DD022642		<20	0.14	<10	<10	73	<10	48
DD022643		<20	0.14	<10	<10	80	<10	54
DD022644		<20	0.09	<10	<10	61	<10	33
DD022645		<20	0.08	<10	<10	52	<10	46
DD022646		<20	0.11	<10	<10	101	<10	63
DD022647		<20	0.12	<10	<10	92	<10	63
DD022648		<20	0.11	<10	<10	92	<10	66
DD022649		<20	0.11	<10	<10	68	<10	42
DD022650		<20	0.07	<10	<10	60	<10	32
DD022651		<20	0.05	<10	<10	25	<10	38
DD022652		<20	0.04	<10	<10	19	<10	35
DD022653		<20	0.04	<10	<10	29	<10	59
DD022654		<20	0.05	<10	<10	37	<10	45
DD022655		<20	0.05	<10	<10	39	<10	37
DD022656		<20	0.04	<10	<10	28	<10	31
DD022657		<20	0.05	<10	<10	20	<10	35
DD022658		<20	0.05	<10	<10	43	<10	37
DD022659		<20	0.05	<10	<10	42	<10	42
DD022660		<20	0.04	<10	<10	42	<10	47



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**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022861		0.38	0.001	<0.2	1.27	6	<10	130	<0.5	<2	0.31	<0.5	8	43	27	2.32
DD022862		0.38	0.001	<0.2	0.78	<2	<10	110	<0.5	<2	0.29	<0.5	5	15	23	1.73
DD022863		0.34	0.007	<0.2	1.17	17	<10	130	<0.5	<2	0.36	<0.5	6	24	25	2.05
DD022864		0.32	0.007	0.2	1.49	6	<10	140	<0.5	<2	0.26	<0.5	8	28	27	2.46
DD022865		0.26	0.001	<0.2	1.43	7	<10	140	<0.5	<2	0.24	<0.5	7	30	15	2.62
DD022866		0.38	<0.001	<0.2	1.59	7	<10	100	<0.5	<2	0.18	<0.5	7	22	13	2.27
DD022867		0.28	0.001	<0.2	2.52	6	<10	180	<0.5	<2	0.22	<0.5	14	44	53	3.44
DD022868		0.20	0.007	<0.2	1.36	8	<10	110	<0.5	<2	0.18	<0.5	7	27	19	2.52
DD022869		0.30	0.001	0.2	1.37	7	<10	100	<0.5	<2	0.23	<0.5	9	30	36	2.34
DD022870		0.28	0.001	<0.2	2.27	6	<10	210	<0.5	<2	0.36	<0.5	17	45	88	4.10
DD022901		0.38	0.002	<0.2	1.11	3	<10	130	<0.5	<2	0.36	<0.5	7	28	31	1.97
DD022902		0.38	0.002	<0.2	1.01	2	<10	130	<0.5	<2	0.25	<0.5	6	22	31	1.75
DD022903		0.34	0.044	<0.2	1.73	2	<10	160	<0.5	<2	0.29	<0.5	13	59	93	2.60
DD022904		0.24	0.005	<0.2	1.66	6	<10	160	<0.5	<2	0.22	<0.5	10	38	45	2.42
DD022905		0.26	0.010	<0.2	1.48	7	<10	140	<0.5	<2	0.21	<0.5	9	26	29	2.03
DD022906		0.22	0.005	<0.2	1.96	10	<10	180	0.5	<2	0.32	<0.5	9	40	23	2.79
DD022907		0.38	0.011	<0.2	1.49	8	<10	140	<0.5	<2	0.27	<0.5	8	35	26	2.25
DD022908		0.32	0.001	<0.2	1.09	4	<10	130	<0.5	<2	0.30	<0.5	7	25	18	2.06
DD022909		0.26	0.004	0.2	0.95	3	<10	150	<0.5	<2	0.43	<0.5	8	23	32	2.15
DD022910		0.26	0.011	0.2	1.49	48	<10	230	<0.5	<2	0.51	<0.5	12	28	51	2.70
DD022951		0.26	0.002	<0.2	2.09	30	<10	220	<0.5	<2	0.40	<0.5	14	26	62	3.53
DD022952		0.22	0.001	<0.2	1.35	5	<10	120	<0.5	<2	0.24	<0.5	10	23	43	2.41
DD022953		0.24	0.002	<0.2	1.79	6	<10	120	<0.5	<2	0.21	<0.5	10	28	39	2.59
DD022954		0.28	0.001	<0.2	1.68	4	<10	130	<0.5	<2	0.26	<0.5	12	34	51	2.86
DD022955		0.32	0.003	<0.2	2.05	8	<10	150	<0.5	<2	0.24	<0.5	13	34	47	2.92
DD022956		0.30	<0.001	<0.2	1.57	6	<10	130	<0.5	<2	0.29	<0.5	7	34	34	2.52
DD022957		0.26	0.002	<0.2	2.15	8	<10	260	0.5	<2	0.45	<0.5	15	43	74	3.99
DD022958		0.32	0.006	<0.2	1.15	6	<10	120	<0.5	<2	0.29	<0.5	7	22	22	2.02
DD022959		0.30	0.002	<0.2	1.59	6	<10	130	<0.5	<2	0.24	<0.5	8	25	25	2.48
DD022960		0.26	0.005	<0.2	1.45	5	<10	170	<0.5	<2	0.34	<0.5	8	22	38	2.42
DD022961		0.22	<0.001	<0.2	1.24	3	<10	120	<0.5	<2	0.18	<0.5	7	19	31	1.84
DD022962		0.26	0.004	0.2	1.30	6	<10	130	<0.5	2	0.21	<0.5	7	18	29	1.85
DD022963		0.32	0.002	<0.2	1.20	4	<10	130	<0.5	<2	0.26	<0.5	6	24	23	1.85
DD022964		0.20	0.001	<0.2	2.36	10	<10	170	<0.5	<2	0.26	<0.5	12	52	81	3.83
DD022965		0.32	0.003	<0.2	2.28	32	<10	120	0.5	<2	0.18	<0.5	11	49	34	3.80
DD022966		0.24	0.002	<0.2	2.08	6	<10	110	<0.5	<2	0.20	<0.5	13	24	32	2.68
DD022967		0.22	0.001	<0.2	1.28	5	<10	90	<0.5	<2	0.20	<0.5	5	18	33	1.87
DD022968		0.32	0.004	<0.2	1.54	7	<10	110	<0.5	<2	0.23	<0.5	8	29	35	2.67
DD022969		0.28	0.004	<0.2	2.27	4	<10	290	<0.5	<2	0.48	<0.5	13	26	89	4.20
DD022970		0.30	0.004	0.2	2.44	4	<10	230	<0.5	2	0.52	<0.5	13	44	101	3.47



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
DD022861		<10	<1	0.19	10	0.53	330	1	0.01	20	270	7	<0.01	<2	3	19
DD022862		<10	<1	0.13	10	0.24	186	1	0.02	8	590	3	<0.01	<2	3	14
DD022863		<10	<1	0.14	10	0.47	255	<1	0.01	12	620	3	<0.01	<2	4	19
DD022864		<10	<1	0.13	10	0.49	356	1	<0.01	12	450	5	<0.01	<2	3	18
DD022865		10	<1	0.06	10	0.39	392	1	0.01	12	280	7	<0.01	<2	3	21
DD022866		10	<1	0.10	10	0.49	229	<1	<0.01	13	370	4	<0.01	<2	3	13
DD022867		10	<1	0.20	10	1.12	333	1	0.01	20	240	4	<0.01	<2	5	18
DD022868		<10	<1	0.08	10	0.47	300	1	<0.01	12	280	4	<0.01	<2	3	16
DD022869		10	<1	0.12	10	0.55	365	1	<0.01	14	310	6	<0.01	<2	3	15
DD022870		10	<1	0.49	<10	1.34	568	1	0.01	21	590	4	<0.01	<2	7	20
DD022901		<10	<1	0.14	10	0.56	189	<1	0.01	12	680	3	<0.01	<2	3	21
DD022902		<10	<1	0.15	10	0.48	198	<1	<0.01	11	530	2	<0.01	<2	3	14
DD022903		10	<1	0.37	10	1.01	339	1	0.01	26	590	2	<0.01	<2	4	17
DD022904		<10	<1	0.20	10	0.72	297	<1	<0.01	18	420	4	<0.01	<2	3	15
DD022905		<10	<1	0.14	10	0.57	202	<1	<0.01	15	380	4	<0.01	<2	2	14
DD022906		10	<1	0.12	10	0.67	332	1	0.01	20	510	7	<0.01	<2	4	23
DD022907		<10	<1	0.15	10	0.53	279	1	<0.01	19	390	4	<0.01	<2	3	16
DD022908		<10	<1	0.16	10	0.60	251	<1	0.01	11	320	4	<0.01	<2	3	17
DD022909		<10	<1	0.14	10	0.41	403	<1	0.02	10	650	3	0.01	<2	4	21
DD022910		<10	<1	0.11	50	0.32	980	1	0.02	17	720	4	0.02	4	11	28
DD022951		10	<1	0.50	10	1.16	590	<1	0.01	12	590	5	<0.01	2	5	21
DD022952		<10	<1	0.32	<10	0.77	463	<1	0.01	11	420	3	<0.01	<2	3	15
DD022953		10	<1	0.21	10	0.74	332	<1	0.01	15	280	4	<0.01	<2	3	15
DD022954		10	<1	0.31	10	0.93	539	<1	0.01	14	360	4	<0.01	<2	4	17
DD022955		10	<1	0.26	10	0.83	472	<1	0.01	18	430	5	<0.01	<2	4	15
DD022956		10	<1	0.10	10	0.63	289	<1	0.01	17	410	5	<0.01	<2	5	16
DD022957		10	<1	0.20	10	0.97	922	1	0.01	19	500	6	<0.01	2	10	24
DD022958		<10	<1	0.09	10	0.49	273	<1	0.01	12	400	4	<0.01	<2	3	16
DD022959		<10	<1	0.12	10	0.58	308	<1	0.01	13	360	5	<0.01	<2	4	15
DD022960		<10	<1	0.16	10	0.69	388	<1	0.01	11	640	4	<0.01	<2	4	17
DD022961		<10	<1	0.13	<10	0.38	255	<1	0.01	9	400	4	<0.01	<2	2	15
DD022962		<10	<1	0.12	10	0.40	263	<1	0.01	12	520	4	0.01	<2	3	14
DD022963		<10	<1	0.12	10	0.44	238	<1	0.01	12	680	2	0.01	<2	3	16
DD022964		10	<1	0.23	10	0.78	635	1	0.02	19	530	5	0.02	<2	5	26
DD022965		10	<1	0.11	10	0.53	335	<1	0.01	39	360	5	0.01	<2	6	19
DD022966		<10	<1	0.19	10	0.59	483	<1	0.02	16	490	4	0.01	<2	3	18
DD022967		<10	<1	0.10	10	0.36	238	<1	0.01	8	430	5	0.02	<2	2	19
DD022968		10	<1	0.18	10	0.67	412	<1	0.02	13	430	5	0.01	<2	3	18
DD022969		10	<1	0.45	10	1.02	755	1	0.02	12	700	9	0.03	<2	11	26
DD022970		10	<1	0.56	10	1.27	546	<1	0.02	20	860	6	0.03	<2	10	26





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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD022861		<20	0.10	<10	<10	62	<10	49
DD022862		<20	0.06	<10	<10	42	<10	26
DD022863		<20	0.07	<10	<10	48	<10	37
DD022864		<20	0.09	<10	<10	64	<10	41
DD022865		<20	0.10	<10	<10	70	<10	45
DD022866		<20	0.09	<10	<10	48	<10	44
DD022867		<20	0.20	<10	<10	104	<10	59
DD022868		<20	0.10	<10	<10	64	<10	46
DD022869		<20	0.11	<10	<10	65	<10	45
DD022870		<20	0.21	<10	<10	127	<10	92
DD022901		<20	0.11	<10	<10	57	<10	41
DD022902		<20	0.09	<10	<10	47	<10	33
DD022903		<20	0.15	<10	<10	81	<10	46
DD022904		<20	0.12	<10	<10	65	<10	44
DD022905		<20	0.12	<10	<10	54	<10	38
DD022906		<20	0.12	<10	<10	69	<10	56
DD022907		<20	0.09	<10	<10	55	<10	45
DD022908		<20	0.12	<10	<10	56	<10	42
DD022909		<20	0.08	<10	<10	60	<10	37
DD022910		<20	0.05	<10	<10	64	<10	40
DD022951		<20	0.17	<10	<10	96	<10	80
DD022952		<20	0.14	<10	<10	67	<10	52
DD022953		<20	0.14	<10	<10	69	<10	50
DD022954		<20	0.17	<10	<10	82	<10	56
DD022955		<20	0.15	<10	<10	76	<10	58
DD022956		<20	0.10	<10	<10	63	<10	46
DD022957		<20	0.11	<10	<10	106	<10	90
DD022958		<20	0.08	<10	<10	49	<10	40
DD022959		<20	0.10	<10	<10	59	<10	46
DD022960		<20	0.10	<10	<10	63	<10	47
DD022961		<20	0.09	<10	<10	53	<10	36
DD022962		<20	0.08	<10	<10	44	<10	38
DD022963		<20	0.07	<10	<10	43	<10	38
DD022964		<20	0.13	<10	<10	112	<10	64
DD022965		<20	0.07	<10	<10	81	<10	70
DD022966		<20	0.12	<10	<10	61	<10	53
DD022967		<20	0.08	<10	<10	49	<10	36
DD022968		<20	0.13	<10	<10	73	<10	55
DD022969		<20	0.14	<10	<10	115	<10	107
DD022970		<20	0.15	<10	<10	101	<10	116



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Sample Description	Method Analyte Units LOR	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	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD022971		0.30	0.004	<0.2	1.81	6	<10	140	<0.5	<2	0.22	<0.5	8	24	40	2.52
DD022972		0.28	<0.001	<0.2	1.93	5	<10	120	<0.5	<2	0.22	<0.5	10	33	52	3.00
DD022973		0.34	0.004	<0.2	1.59	4	<10	110	<0.5	<2	0.27	<0.5	9	20	51	2.83
DD022974		0.22	<0.001	<0.2	1.64	6	<10	110	<0.5	<2	0.27	<0.5	8	22	31	2.51
DD022975		0.28	<0.001	<0.2	2.12	10	<10	150	<0.5	<2	0.21	<0.5	10	42	31	3.02
DD022976		0.24	0.014	<0.2	1.75	8	<10	130	<0.5	<2	0.18	<0.5	6	25	31	2.47
DD022977		0.30	0.007	0.2	2.23	8	<10	100	<0.5	<2	0.16	<0.5	9	106	35	3.02
DD022978		0.30	0.002	<0.2	1.15	5	<10	100	<0.5	<2	0.20	<0.5	5	26	20	1.92
DD022979		0.36	0.005	<0.2	1.46	5	<10	110	<0.5	<2	0.22	<0.5	6	41	30	2.11
DD022980		0.30	0.001	<0.2	1.06	4	<10	120	<0.5	<2	0.24	<0.5	6	19	27	1.70
DD022981		0.28	0.001	<0.2	1.63	6	<10	140	<0.5	<2	0.25	<0.5	8	30	37	2.52
DD022982		0.28	0.022	<0.2	2.08	8	<10	140	<0.5	2	0.20	<0.5	8	34	58	2.74
DD022983		0.28	0.001	<0.2	1.36	5	<10	110	<0.5	<2	0.21	<0.5	6	23	29	2.01
DD022984		0.26	0.003	<0.2	1.35	7	<10	90	<0.5	<2	0.20	<0.5	5	20	15	2.08
DD022985		0.22	<0.001	<0.2	1.31	6	<10	90	<0.5	<2	0.14	<0.5	5	15	17	2.13
DD022986		0.30	0.001	<0.2	2.28	4	<10	120	<0.5	2	0.24	<0.5	11	49	59	3.54
DD022987		0.24	0.009	<0.2	3.09	14	<10	170	0.5	<2	0.17	<0.5	11	38	39	4.48
DD022988		0.32	0.002	<0.2	1.42	7	<10	100	<0.5	<2	0.26	<0.5	6	26	31	2.26
DD022989		0.24	0.001	<0.2	2.56	6	<10	180	<0.5	<2	0.22	<0.5	14	53	87	3.68
DD022990		0.26	0.010	<0.2	1.93	7	<10	120	<0.5	<2	0.20	<0.5	9	28	45	2.99
DD022991		0.28	0.002	<0.2	0.75	11	<10	110	<0.5	<2	0.38	<0.5	4	12	25	1.43
DD022992		0.26	0.001	<0.2	0.71	8	<10	80	<0.5	<2	0.25	<0.5	3	13	11	1.45
DD022993		0.30	0.006	0.2	1.10	35	<10	110	<0.5	<2	0.42	<0.5	8	18	44	2.46
DD022994		0.34	0.031	<0.2	0.79	6	<10	70	<0.5	<2	0.31	<0.5	5	14	17	1.81
DD022995		0.28	0.003	0.3	0.85	6	<10	80	<0.5	<2	0.41	<0.5	4	17	24	1.66
DD022996		0.20	0.012	0.4	1.00	10	<10	90	<0.5	2	0.40	<0.5	4	17	40	1.19
DD022997		0.36	0.010	0.2	1.02	13	<10	100	<0.5	2	0.39	0.7	4	18	41	1.35
DD022998		0.26	0.002	<0.2	1.01	8	<10	60	<0.5	<2	0.16	<0.5	4	15	9	1.54
DD022999		0.34	<0.001	<0.2	0.85	8	<10	60	<0.5	<2	0.16	<0.5	3	13	6	1.29
DD023000		0.44	0.001	0.2	0.97	6	<10	120	<0.5	<2	0.29	<0.5	2	16	11	1.04
CC139351		0.34	0.006	<0.2	2.03	10	<10	150	<0.5	<2	0.28	<0.5	10	33	40	2.91
CC139352		0.20	0.004	<0.2	1.62	10	<10	90	<0.5	<2	0.19	<0.5	6	24	22	2.44
CC139353		0.30	<0.001	<0.2	1.81	10	<10	100	<0.5	<2	0.21	<0.5	6	30	17	2.69
CC139354		0.30	0.001	<0.2	1.55	6	<10	90	<0.5	<2	0.16	<0.5	8	28	24	2.28
CC139355		0.30	0.001	<0.2	1.75	10	<10	130	<0.5	<2	0.20	<0.5	9	27	22	2.76
CC139356		0.24	0.010	<0.2	1.45	7	<10	150	<0.5	<2	0.30	<0.5	8	20	32	2.45
CC139357		0.26	0.001	<0.2	1.36	7	<10	120	<0.5	<2	0.26	<0.5	6	22	26	2.29
CC139358		0.32	0.001	<0.2	1.87	5	<10	150	<0.5	<2	0.39	<0.5	12	40	40	3.14
CC139359		0.30	0.002	<0.2	1.56	6	<10	160	<0.5	<2	0.37	<0.5	8	26	56	2.51



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**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD022971		10	<1	0.19	10	0.60	354	<1	0.01	12	480	4	0.01	<2	4	16
DD022972		10	<1	0.31	<10	0.87	431	<1	0.02	15	390	4	0.01	<2	4	17
DD022973		<10	<1	0.22	10	0.63	376	<1	0.02	11	520	5	0.01	<2	6	18
DD022974		<10	<1	0.15	10	0.64	353	<1	0.01	12	570	4	0.01	<2	3	19
DD022975		10	<1	0.16	10	0.72	358	<1	0.02	25	340	5	0.01	<2	4	19
DD022976		10	<1	0.11	10	0.44	228	<1	0.01	12	420	5	0.01	<2	3	18
DD022977		10	<1	0.12	10	0.90	267	<1	0.02	41	310	5	0.01	<2	3	14
DD022978		<10	<1	0.07	10	0.33	203	<1	0.02	11	490	5	0.01	<2	2	18
DD022979		<10	<1	0.12	10	0.57	224	<1	0.02	19	430	4	0.01	<2	3	17
DD022980		<10	<1	0.11	10	0.39	296	<1	0.01	8	590	3	0.01	<2	2	17
DD022981		10	<1	0.18	10	0.69	316	<1	0.02	13	360	3	0.01	<2	3	18
DD022982		10	<1	0.17	10	0.59	309	<1	0.01	17	410	4	0.01	<2	4	17
DD022983		<10	<1	0.10	10	0.41	213	<1	0.01	13	540	2	0.01	<2	2	15
DD022984		<10	<1	0.07	10	0.34	195	<1	0.01	10	600	4	0.01	<2	2	15
DD022985		<10	<1	0.07	10	0.29	234	<1	0.02	8	440	5	0.01	<2	2	15
DD022986		10	<1	0.22	10	1.09	479	<1	0.02	17	470	3	0.02	<2	5	23
DD022987		10	1	0.15	10	0.68	369	1	0.01	23	310	9	0.01	<2	5	20
DD022988		<10	<1	0.13	10	0.51	284	<1	0.01	13	560	4	0.01	<2	3	17
DD022989		10	<1	0.39	10	1.25	539	1	0.02	29	400	8	0.02	<2	5	16
DD022990		10	<1	0.22	10	0.73	390	1	0.02	14	380	7	0.01	<2	4	16
DD022991		<10	<1	0.04	10	0.26	160	<1	0.02	7	440	3	0.02	<2	2	19
DD022992		<10	<1	0.04	10	0.25	170	<1	0.01	6	280	4	0.01	<2	2	15
DD022993		<10	<1	0.06	10	0.45	340	<1	0.02	10	390	44	0.02	3	4	21
DD022994		<10	<1	0.06	10	0.35	185	<1	0.01	6	450	4	0.01	<2	2	16
DD022995		<10	<1	0.05	10	0.27	153	<1	0.02	9	410	10	0.02	<2	2	19
DD022996		<10	<1	0.08	10	0.31	112	<1	0.01	9	410	14	0.03	2	3	22
DD022997		<10	<1	0.08	10	0.34	103	1	0.02	9	550	17	0.03	2	4	21
DD022998		<10	1	0.04	10	0.23	119	<1	0.02	9	330	5	<0.01	<2	2	11
DD022999		<10	1	0.04	10	0.20	107	<1	0.02	6	320	5	<0.01	<2	2	11
DD023000		<10	1	0.06	10	0.23	94	<1	0.03	6	500	9	<0.01	<2	3	19
CC139351		10	<1	0.34	10	0.85	402	<1	0.03	18	500	5	<0.01	<2	5	18
CC139352		10	<1	0.09	10	0.38	307	<1	0.03	11	480	7	0.02	<2	3	17
CC139353		10	<1	0.10	10	0.50	224	1	0.03	13	280	8	0.01	<2	4	19
CC139354		<10	<1	0.12	10	0.59	297	<1	0.03	17	220	5	0.01	<2	3	14
CC139355		10	1	0.12	10	0.51	385	<1	0.03	15	230	6	<0.01	<2	3	16
CC139356		<10	<1	0.19	10	0.64	344	<1	0.03	14	460	5	<0.01	<2	4	16
CC139357		<10	<1	0.14	10	0.47	333	1	0.02	10	280	6	<0.01	<2	3	18
CC139358		10	1	0.27	<10	0.91	638	<1	0.03	15	370	5	0.01	<2	5	20
CC139359		<10	<1	0.16	10	0.63	353	<1	0.03	14	750	5	0.01	<2	5	20



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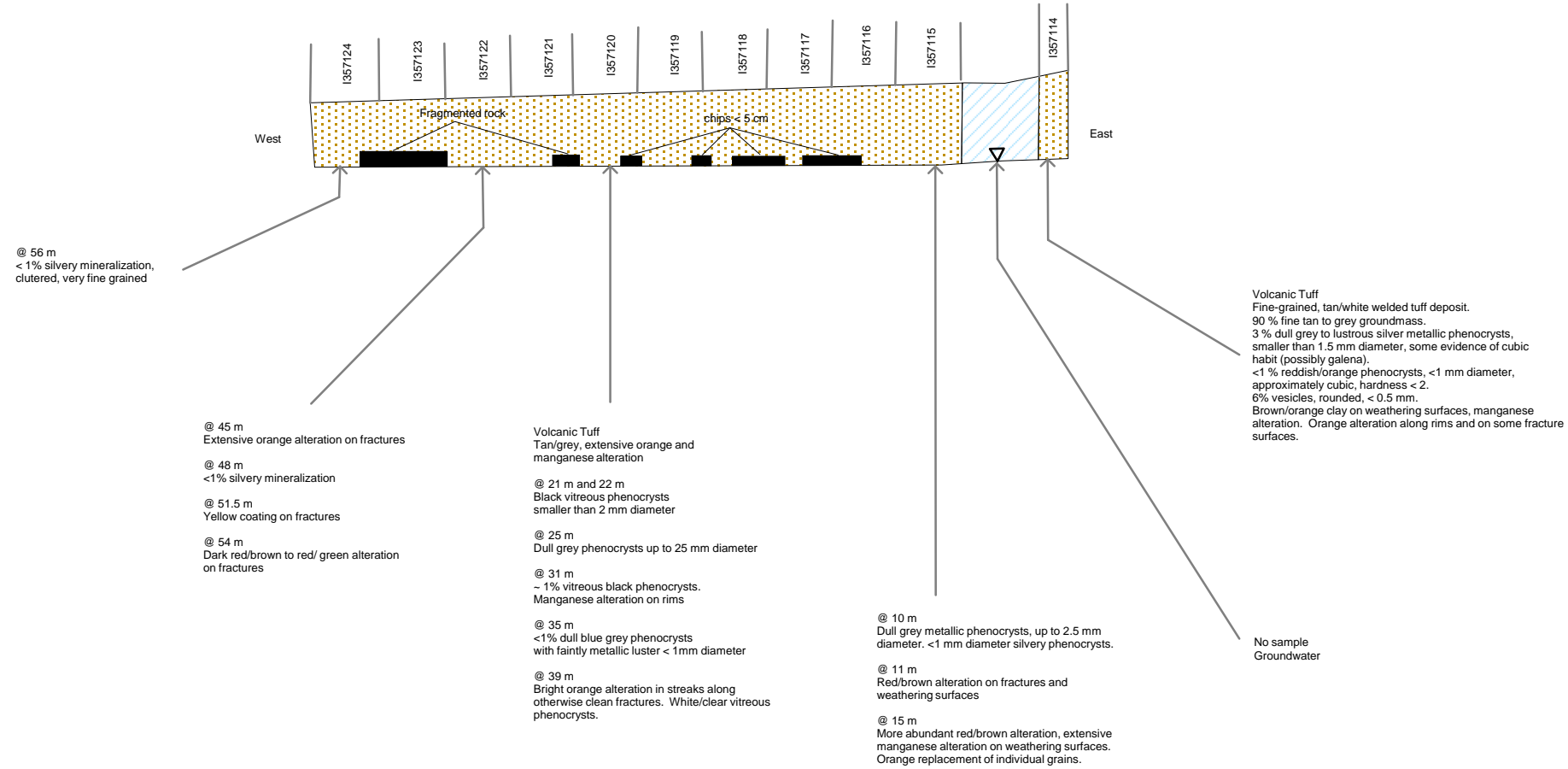
Project: WLV - Sked




**CERTIFICATE OF ANALYSIS WH11177060**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
DD022971		<20	0.11	<10	<10	64	<10	53
DD022972		<20	0.16	<10	<10	81	<10	55
DD022973		<20	0.10	<10	<10	71	<10	50
DD022974		<20	0.12	<10	<10	61	<10	47
DD022975		<20	0.11	<10	<10	70	<10	64
DD022976		<20	0.09	<10	<10	65	<10	47
DD022977		<20	0.16	<10	<10	80	<10	61
DD022978		<20	0.07	<10	<10	48	<10	33
DD022979		<20	0.10	<10	<10	52	<10	40
DD022980		<20	0.08	<10	<10	42	<10	34
DD022981		<20	0.13	<10	<10	67	<10	51
DD022982		<20	0.10	<10	<10	67	<10	51
DD022983		<20	0.08	<10	<10	46	<10	38
DD022984		<20	0.07	<10	<10	47	<10	34
DD022985		<20	0.08	<10	<10	55	<10	42
DD022986		<20	0.14	<10	<10	98	<10	70
DD022987		<20	0.13	<10	<10	96	<10	73
DD022988		<20	0.09	<10	<10	55	<10	43
DD022989		<20	0.21	<10	<10	107	<10	94
DD022990		<20	0.14	<10	<10	79	<10	60
DD022991		<20	0.04	<10	<10	34	<10	28
DD022992		<20	0.05	<10	<10	37	<10	28
DD022993		<20	0.04	<10	<10	58	<10	107
DD022994		<20	0.06	<10	<10	48	<10	33
DD022995		<20	0.05	<10	<10	40	<10	40
DD022996		<20	0.05	<10	<10	44	<10	50
DD022997		<20	0.05	<10	<10	43	<10	67
DD022998		<20	0.05	<10	<10	34	<10	25
DD022999		<20	0.05	<10	<10	28	<10	28
DD023000		<20	0.05	<10	<10	27	<10	43
CC139351		<20	0.15	<10	<10	73	<10	54
CC139352		<20	0.10	<10	<10	66	<10	46
CC139353		<20	0.12	<10	<10	65	<10	45
CC139354		<20	0.11	<10	<10	60	<10	38
CC139355		<20	0.12	<10	<10	67	<10	46
CC139356		<20	0.11	<10	<10	60	<10	43
CC139357		<20	0.11	<10	<10	60	<10	45
CC139358		<20	0.14	<10	<10	84	<10	58
CC139359		<20	0.10	<10	<10	65	<10	43

**APPENDIX III**  
**TRENCH MAPS**

381 039 mE  
6 881 197 mN  
AZM 0 - 58 m at 260°




 Volcanic tuff  
 No sampling possible  
 Water table  
 \* Note: Trench fractured/jointed bedrock unless specified otherwise.  
 4 x vertical exaggeration

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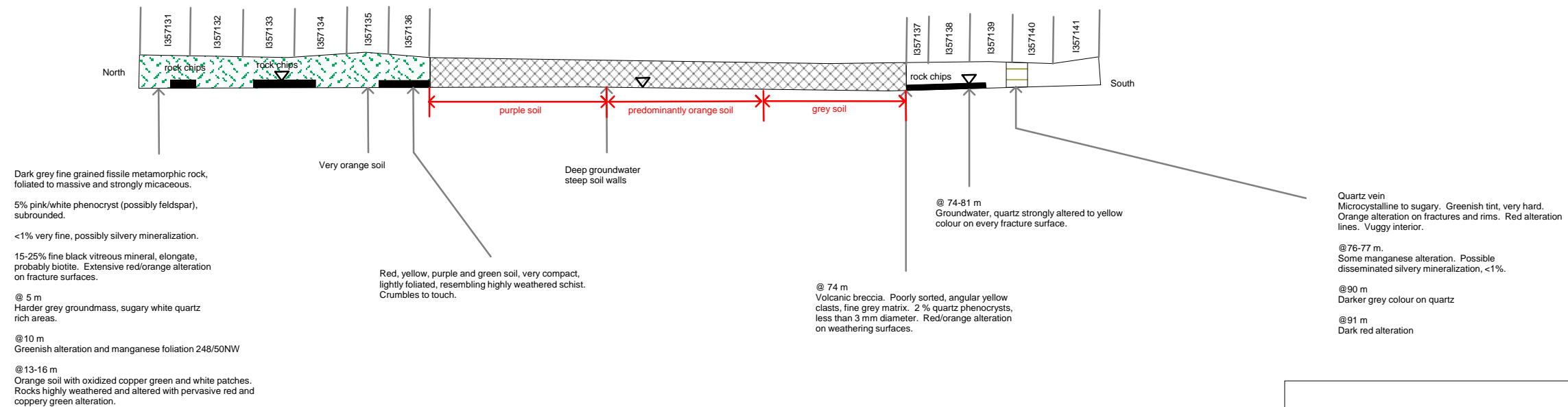
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**TR-11-01 - NORTH RIB**  
SKED PROPERTY

0  30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 960 mE  
6 880 193 mN  
AZM 0 - 92.5 m at 178°



	No sampling possible
	Metamorphic micaceous rock
	Quartz vein
	Water table

\* Note: Trench fractured/jointed bedrock unless specified otherwise.  
4 x vertical exaggeration

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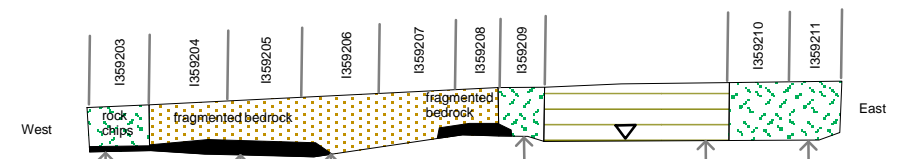
**TR-11-02 - EAST RIB**

SKED PROPERTY

0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011	DATE: MARCH 2011
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380 900 mE  
6 881 143 mN  
AZM 0 - 42 m at 090°  
42 - 48 m at 106°  
48 - 495 m at 081°



**Biotite felsic schist**

Brown/orange clay with less than 3 cm diameter chips. Schistose black rock, biotite rich, with minor quartz veining. Very fissile and high weathering.

@ 1.5 m  
30 cm wide section of yellow/green soil, approximately vertical.

@ 3 m  
1mm wide black veins cross-cut folia.

**Felsic Volcanic**

Fine grained tan-pink rock, predominantly feldspar. Crystalline, not resuscitated. Possible mineralization < 1%. Black and orange veins, cross-cutting in multiple directions. Manganese and orange alteration on fracture surfaces, black and spotty weathering surfaces.

@ 5 - 7 m  
Coppery orange and lime green soil, mixed with reddish brown.

@ 7 m  
Pistachio green alteration throughout rocks.

@ 8 m  
Vesiculation, 15 - 20% black mineral elongate less than 1 mm.

@ 8 - 16 m  
Bright coppery soil, white and rusty copper green patches.

@ 11 m  
Blue/grey soil.

**@ 16 m**

grey, more tuft like.  
- 20% infilling of vesicles with orange and black elongate to rounded mineral.

@ 17 m  
Talc alteration. Fissile.

@ 23 m  
Extensive manganese on surfaces, orange alteration. 35% orange and black vitreous phenocryst. < 1% silvery mineralization.

**Micaceous**

Fine grey crystalline, < 1% resuscitation, 1% mica, -2% possible mineralization. Reddish alteration, orange alteration rim.

@ 29 m  
Mica up to 5%, some chlorite. Light foliation, manganese alteration.

**No sample**

Groundwater and sloughing

**Biotite dominant schist**

Finely foliated extensive weathering, very fissile. Biotite rich. Dark grey/green, possibly chlorite. Red, yellow and grey/green soil.

@ 47 - 49 m  
Orange soil overlying maroon and purple coloured soil.

@ 48 m  
209/40 NW  
Approximate orientation of contact between orange and purple soil layers.

	No sampling possible
	Volcanic rock
	Metamorphic micaceous rock
	Water table

\* Note: Trench fractured/weathered bedrock unless specified otherwise.  
4 x vertical exaggeration

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**TR-11-03 - NORTH RIB**

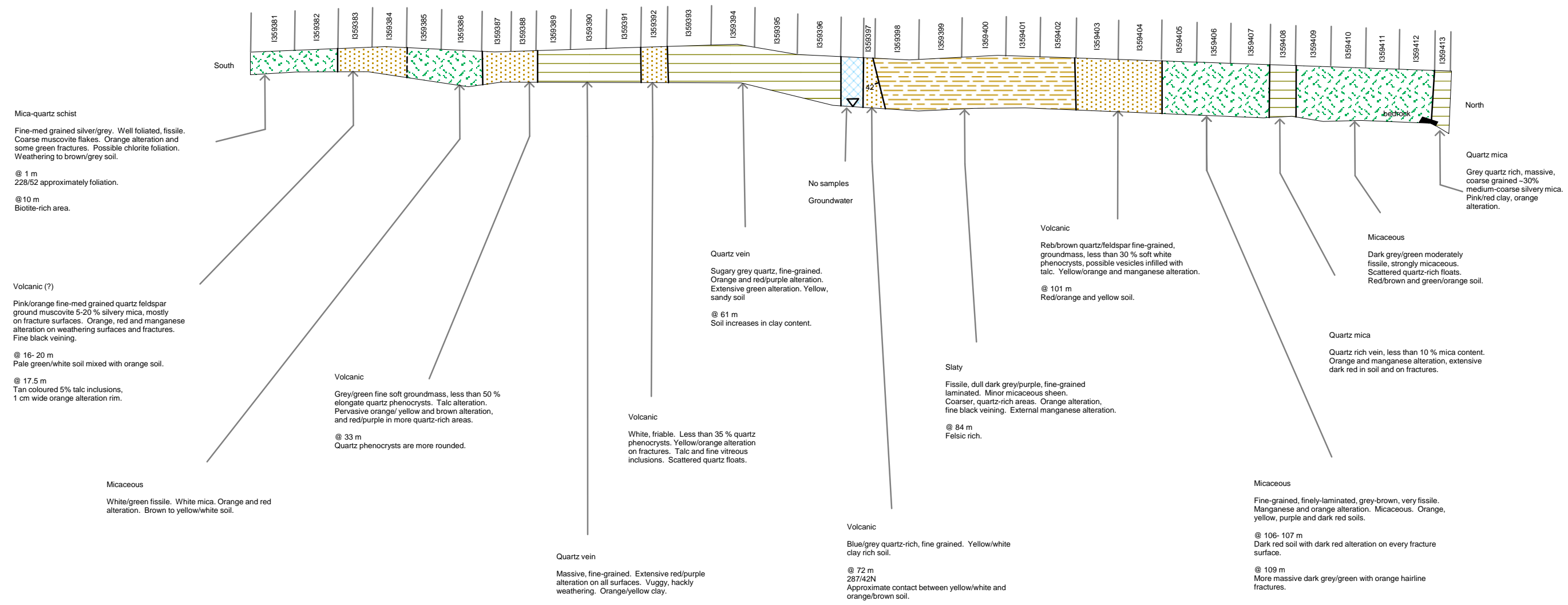
SKED PROPERTY

0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011



380 862 mE  
6 881 060 mN  
AZM 0 - 5 m at 002°  
5 - 15 m at 353°  
15 - 34 m at 005°  
34 - 78 m at 356°  
78 - 86 m at 011°  
86 - 138.5 m at 351°



	Volcanic rock		Approximate contact
	Slaty rock		Inferred contact
	Metamorphic micaceous rock		Well-located contact (with dip)
	Quartz		Water table
	No sampling possible		

\* Note: Trench fractured/fragmented bedrock unless specified otherwise. All dips are apparent, not true. 4 x vertical exaggeration

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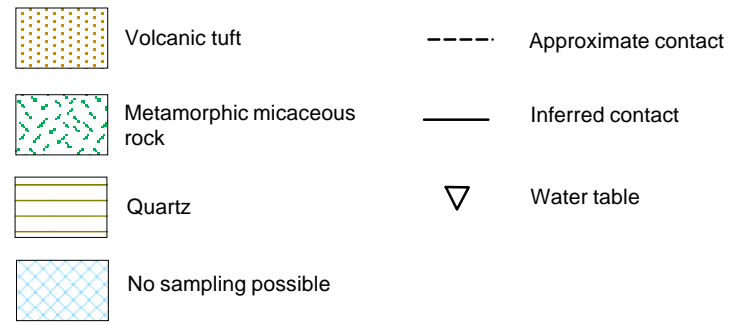
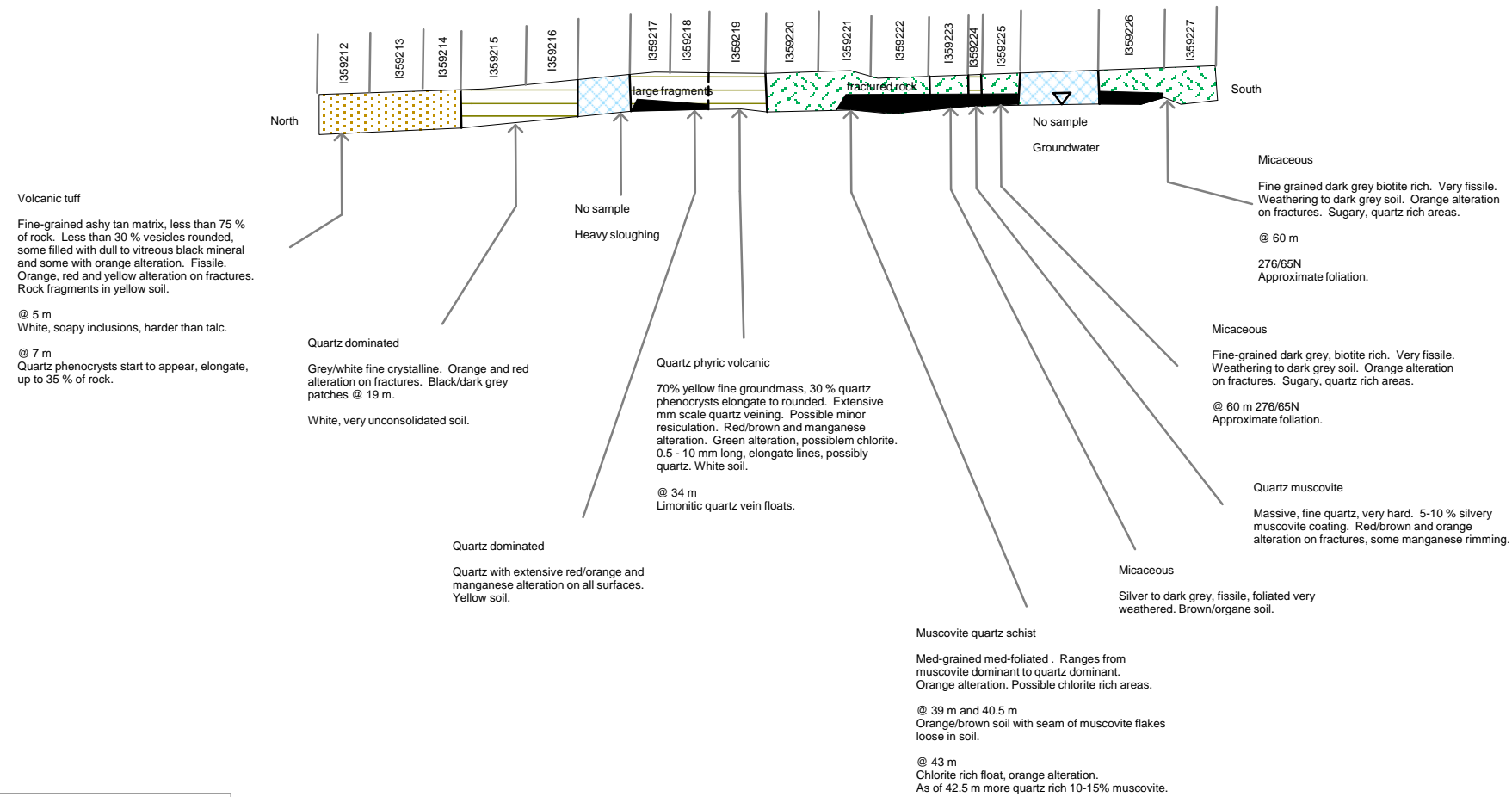
**TR-11-04 - WEST RIB**

SKED PROPERTY

0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 887 mE  
 6 881 123 mN  
 AZM 0 - 32 m at 136°  
 32 - 69 m at 131°



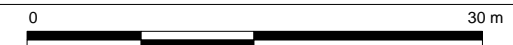
\* Note: Trench fractured rock chips unless specified otherwise.  
 4 x vertical exaggeration

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**TR-11-05 - EAST RIB**

SKED PROPERTY

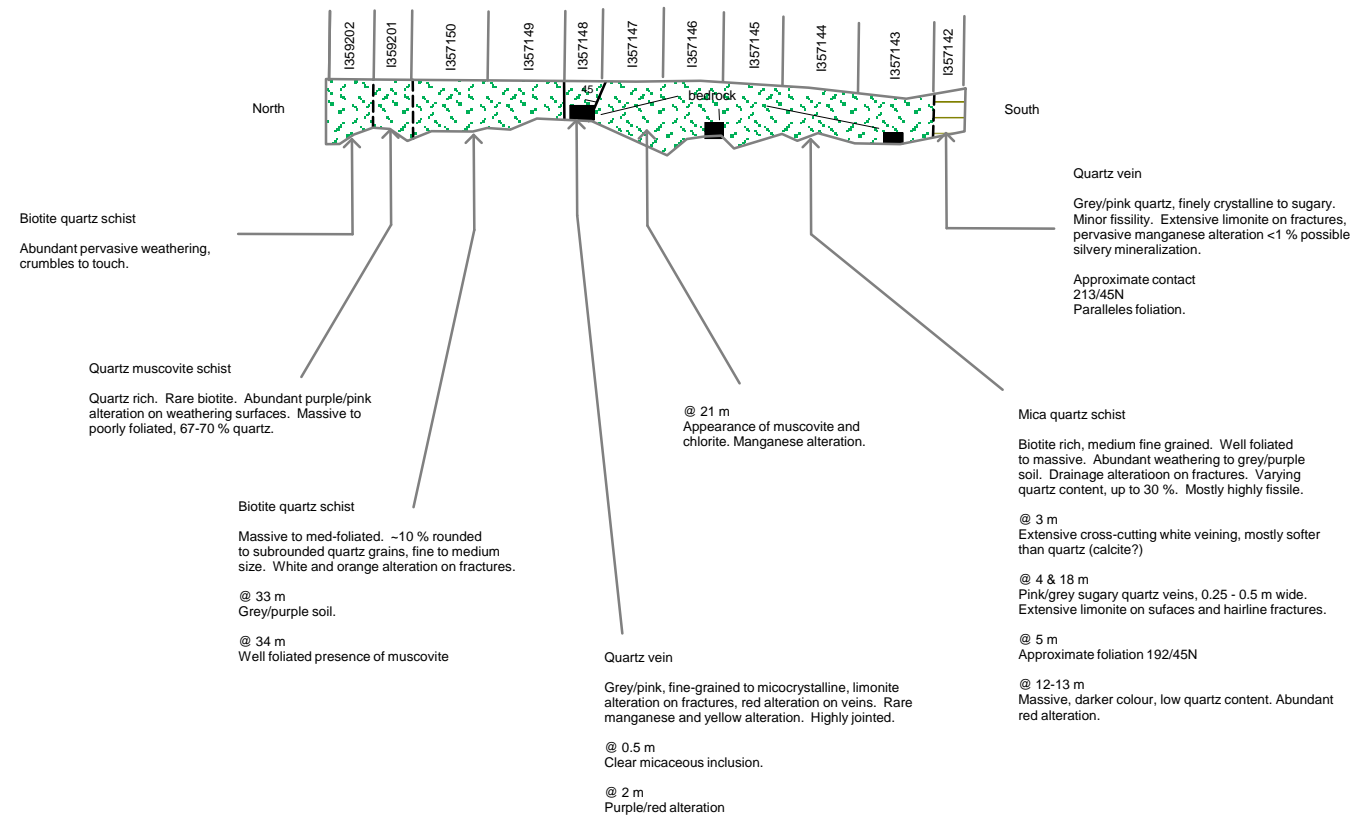







UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

381 026 mE  
6 881 087 mN  
AZM 0 - 13 m at 000°  
13 - 25 m at 356°  
25 - 29 m at 013°  
29 - 42 m at 355°



	Metamorphic micaceous rock		Approximate contact
	Quartz		Inferred contact
			Water table


\* Note: Trench fractured/jointed or weathered unless specified otherwise.  
4 x vertical exaggeration

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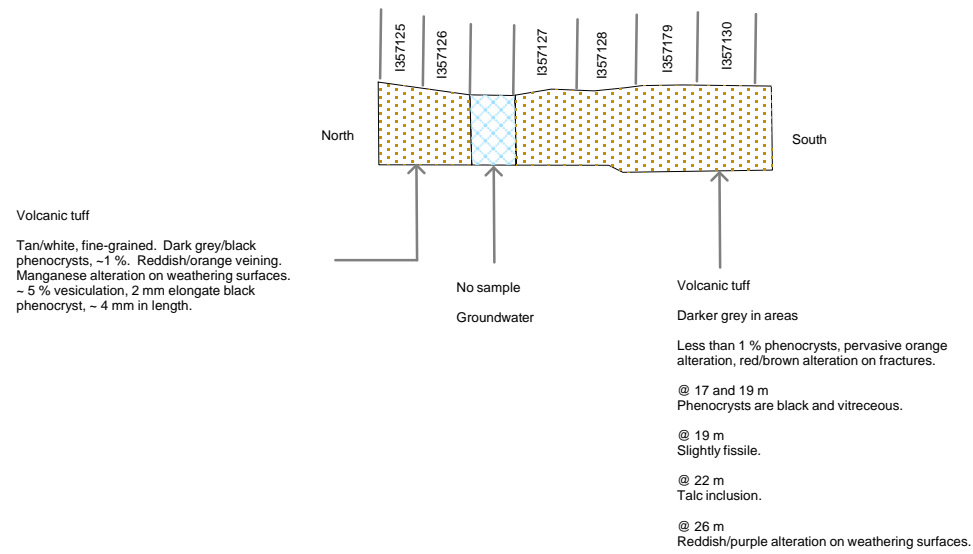
**TR-11-06 - EAST RIB**

SKED PROPERTY

0  30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011	DATE: MARCH 2011
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381 026 mE  
 6 881 168 mN  
 AZM 0 - 26 m at 172°



Quartz

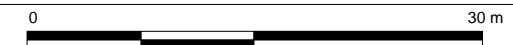
\* Note: Trench fractured/fragmented bedrock unless specified otherwise.  
 4 x vertical exaggeration

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**TR-11-07 - EAST RIB**

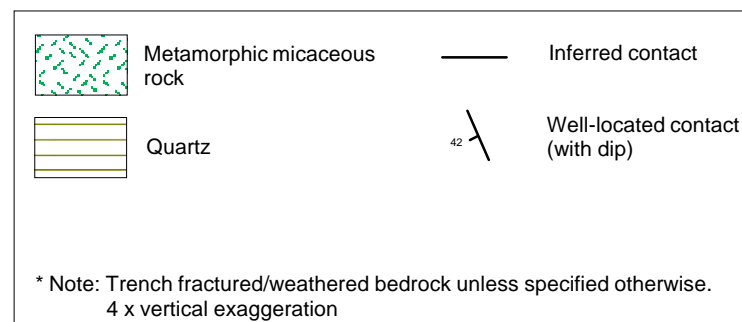
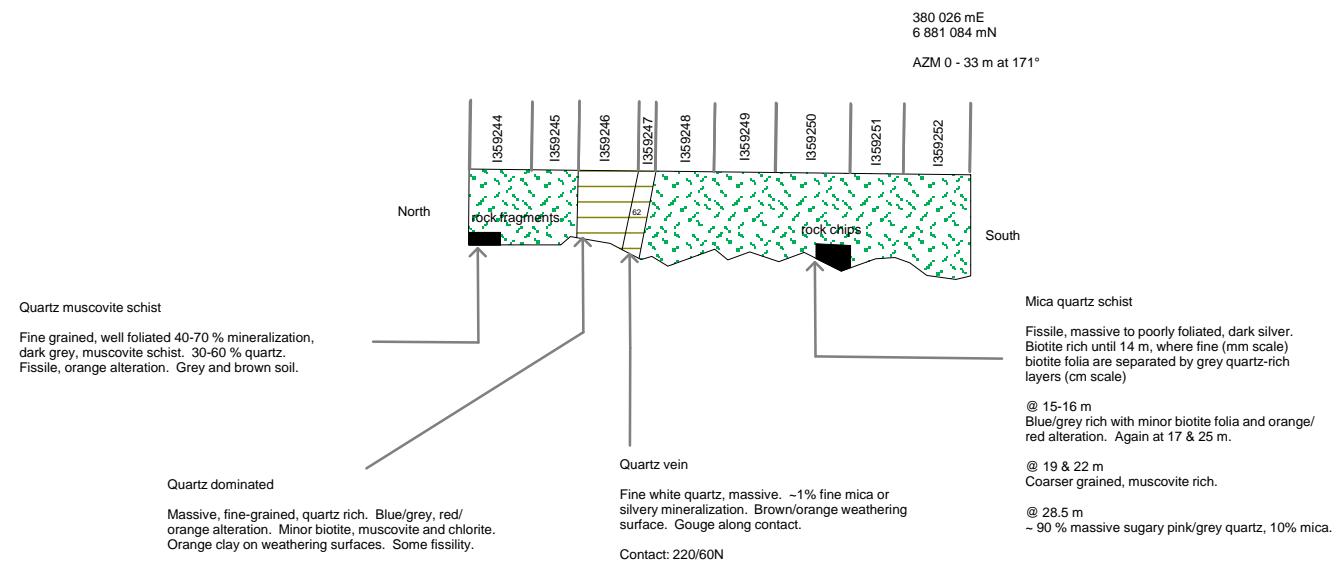
SKED PROPERTY



UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011



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**TR-11-08 - EAST RIB**  
SKED PROPERTY

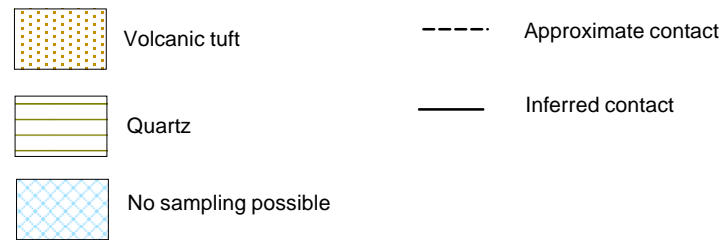
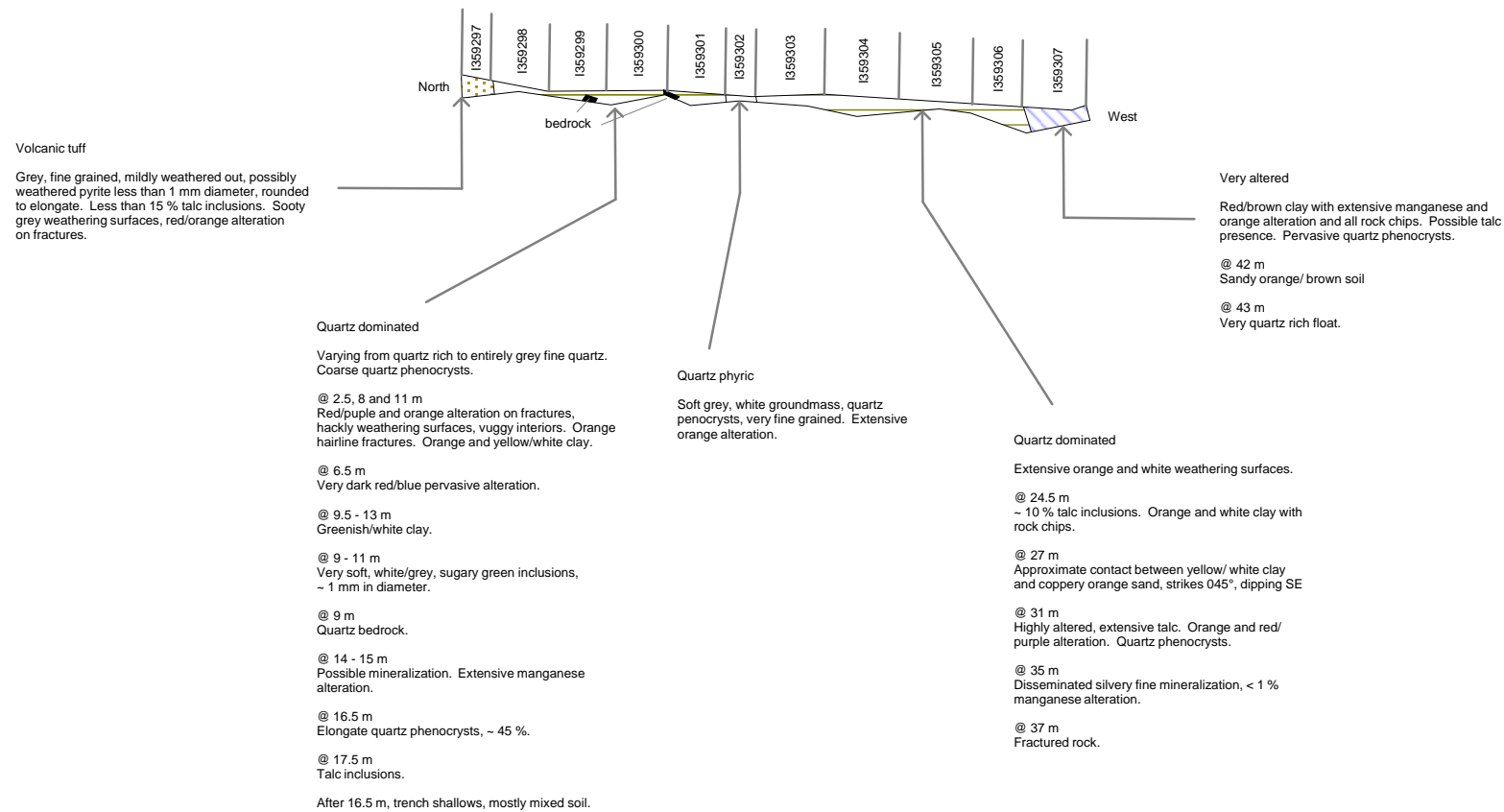
0 30 m

UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011	DATE: MARCH 2011
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380 823 mE  
6 881 077 mN

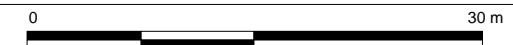
AZM 0 - 4 m at 155°  
4 - 19 m at 179°  
19 - 30 m at 252°  
30 - 43 m at 264°



\* Note: Trench fractured/jointed bedrock unless specified otherwise.  
4 x vertical exaggeration

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**TR-11-09 - EAST AND SOUTH RIBS**  
SKED PROPERTY

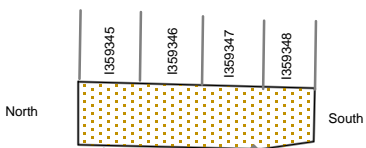


UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

380 828 mE  
 6 881 119 mN  
 AZM 0 - 15.5 m at 176°



**Felsic volcanic**

Fine-medium grained quartz feldspar, lightly foliated. < 1% possible fine mineralization. Some areas more quartz rich. Friable. Orange and manganese alteration on fractures and weathering surfaces.

@ 4 m  
 Pervasive yellow alteration, weathering to yellow clay.

@ 8.5 m  
 Yellow chips, fine quartz phenocrysts ~ 35%. Soft groundmass. Elongate quartz grains. Extensive tac alteration on weathering surfaces.

@ 11.5 - 12.5 m  
 Clear quartz phenocrysts, elongate and aligned. Rounded to elongate vesicles. Possible silvery mineralization. Orange on all fracture surfaces, conchoidal fractures

@ 14 m  
 ~ 45% fine quartz grains.



Volcanic tuft

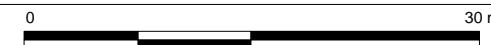
\* Note: Trench fractured/fragmented rock unless specified otherwise.  
 4 x vertical exaggeration

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**TR-11-10 - EAST RIB**

SKED PROPERTY

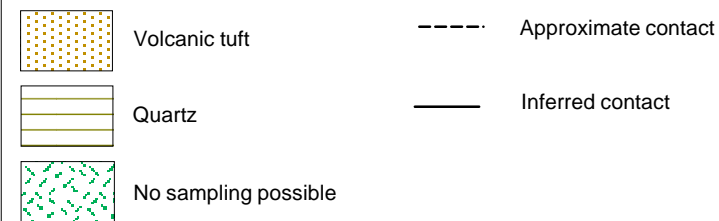
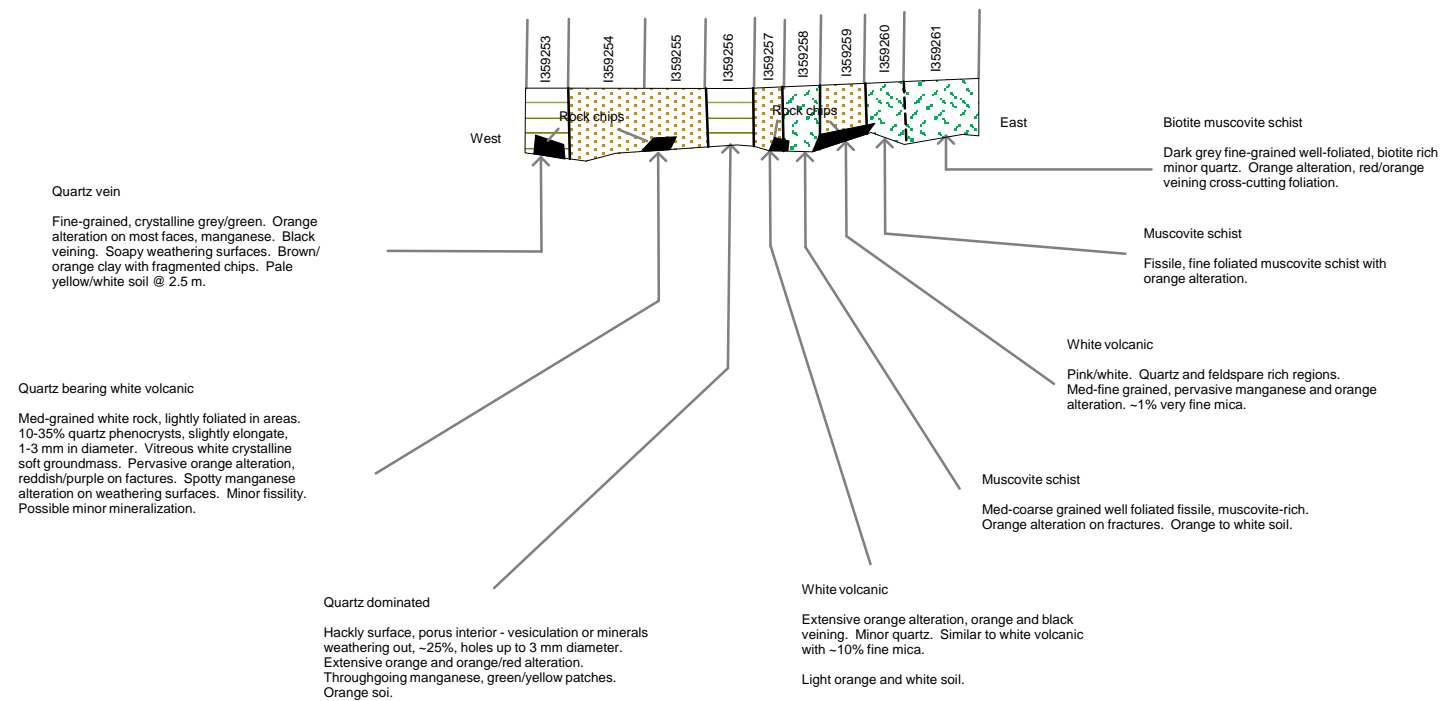


UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

380 829 mE  
6 881 061 mN  
AZM 0 - 30 m at 081°

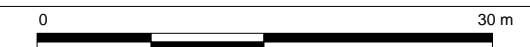


\* Note: Trench fractured/fragmented rock unless specified otherwise.  
4 x vertical exaggeration

**WOLVERINE MINERALS CORP.  
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**TR-11-11 - NORTH RIB  
SKED PROPERTY**



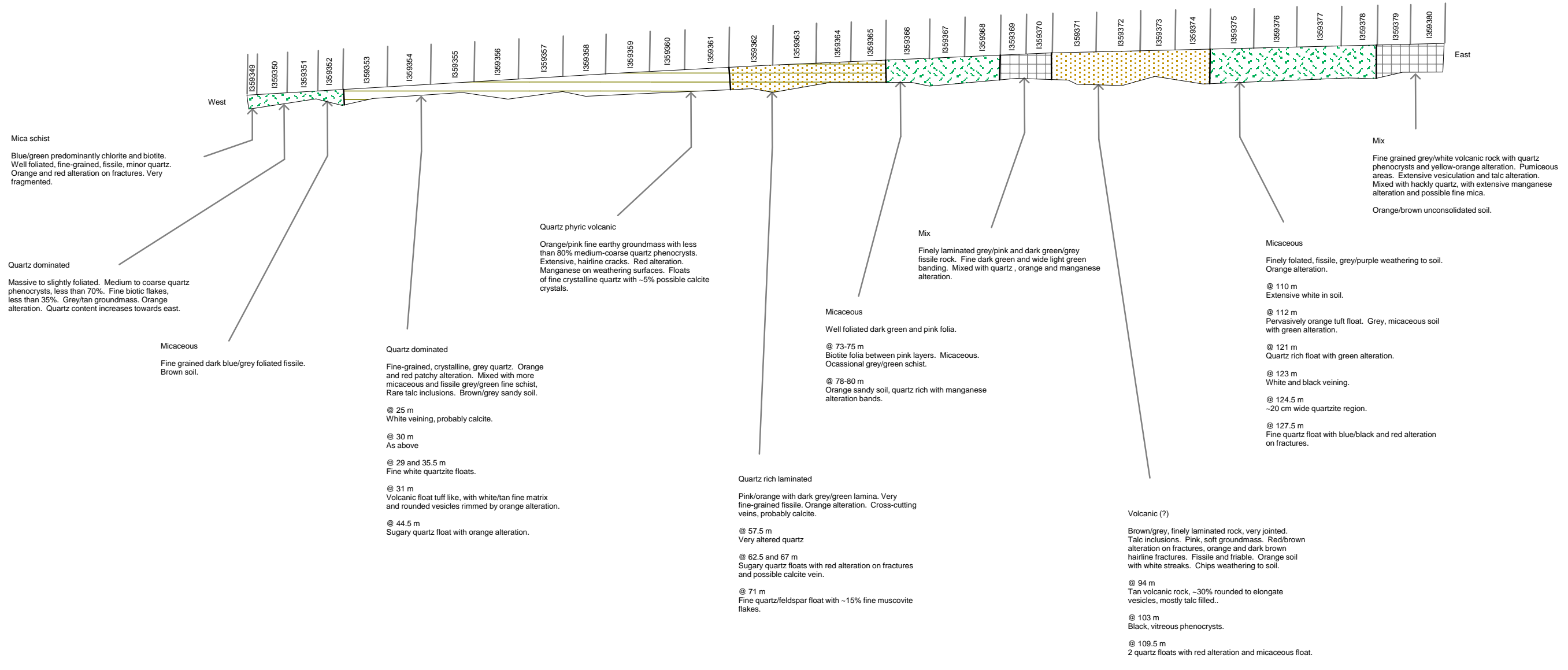
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011



380 685 mE  
6 881 091 mN  
AZM 0 - 14 m at 077°  
14-37 m at 085°  
37-61 m at 093°  
61-91 m at 076°  
91-104 m at 085°  
104-111 m at 092°  
111-137 m at 099°



\* Note: Trench fractured/fragmented bedrock unless specified otherwise. All dips are apparent, not true. 4 x vertical exaggeration

**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

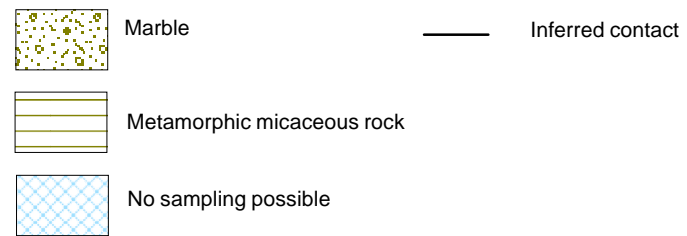
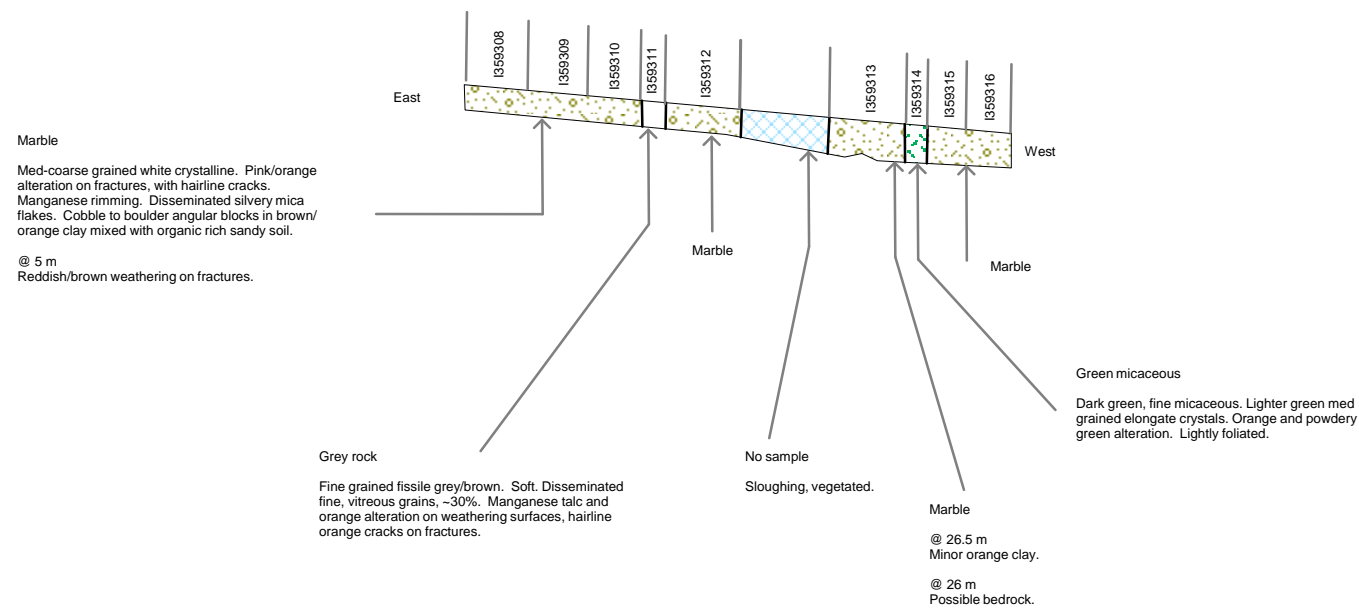
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**TR-11-12 - NORTH RIB**  
SKED PROPERTY

0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 791 mE  
6 881 059 mN  
AZM 0 - 36 m at 265°



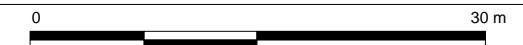
\* Note: Trench angular rock fragments unless specified otherwise.  
4 x vertical exaggeration

**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TR-11-13 - SOUTH RIB**

SKED PROPERTY

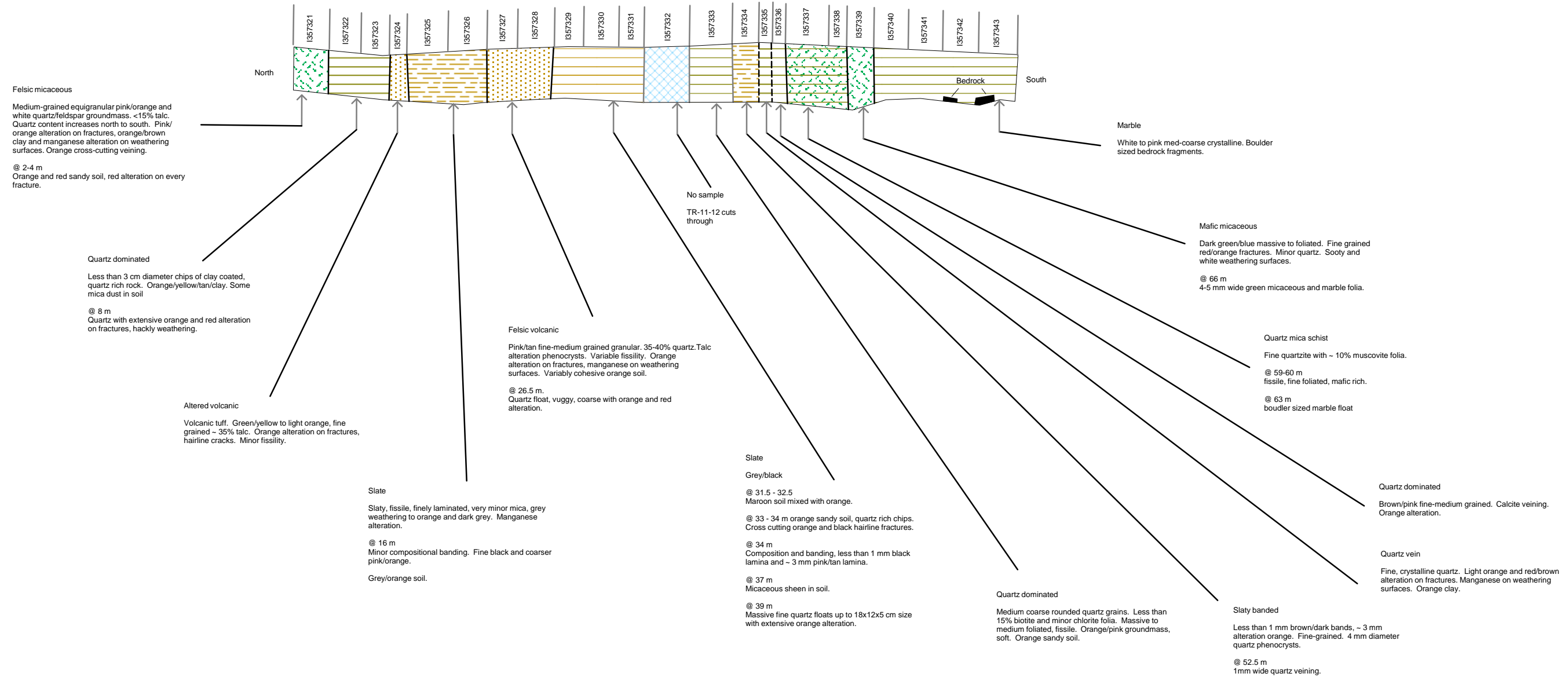







UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

380 773 mE  
6 881 136 mN  
AZM 0 - 45 m at 186°  
45 - 51 @ 173°  
51 - 82.5 @ 184°



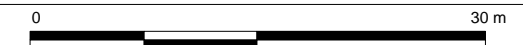
-  Volcanic tuff
-  Quartz
-  No sampling possible
-  Approximate contact
-  Inferred contact

\* Note: Trench fractured/fragmented bedrock unless specified otherwise.  
4 x vertical exaggeration

**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

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**TR-11-14 - EAST RIB  
SKED PROPERTY**

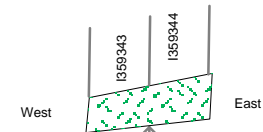


UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

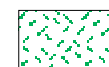
380 770 mE  
6 881 154 mN  
AZM 0 - 8 m at 087°



Mafic schist

Dark grey/green, fine grained, massive to well foliated. 90% dark mica, chlorite presence. 10% quartz, 1-2 mm quartz veins concordant with foliation. Moderately fissile.

@ 6.5 - 7.5 m  
Weathered to soil with mica sheen.



Metamorphic micaceous rock

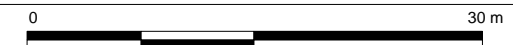
\* Note: Trench fractured/weathered rock unless specified otherwise.  
4 x vertical exaggeration

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**TR-11-15 - NORTH RIB**

SKED PROPERTY

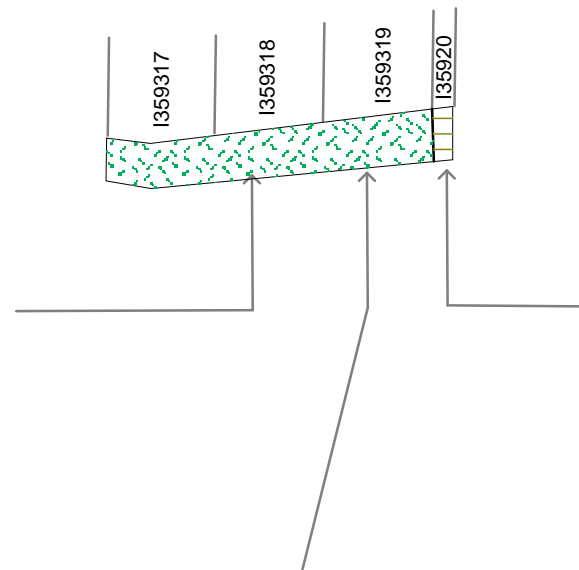


UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011

DATE: MARCH 2011

380 648 mE  
 6 881 080 mN  
 AZM 0 - 16 m at 082°



**Mica quartz schist**  
 Dark grey/green micaceous. Fine grained, slaty, fissile. Chlorite rich. Orange and manganese alteration. Orange/brown sand with silvery mica.



@ 2 m  
 Quartz rich folia. Vesiculated orange float.

@ 5 m  
 Fine crystalline quartz float with extensive orange and manganese alteration.

@ 8 m  
 Fine crystalline quartz float schist more mafic and massive.

**Quartz dominated**  
 Quartz rich, ~20% muscovite. Orange and manganese alteration on fractures.

@ 12 and 14.5 m  
 Granitic floats, lightly metamorphosed. 65% white felsic fine groundmass, predominantly quartz. 35% grey/green elongate phenocrysts, ~1 mm diameter. Lightly micaceous sheen.


	Metamorphic micaceous rock		Inferred contact
	Quartz		

\* Note: Trench fragmented rock unless specified otherwise.  
 All dips are apparent, not true. 4 x vertical exaggeration

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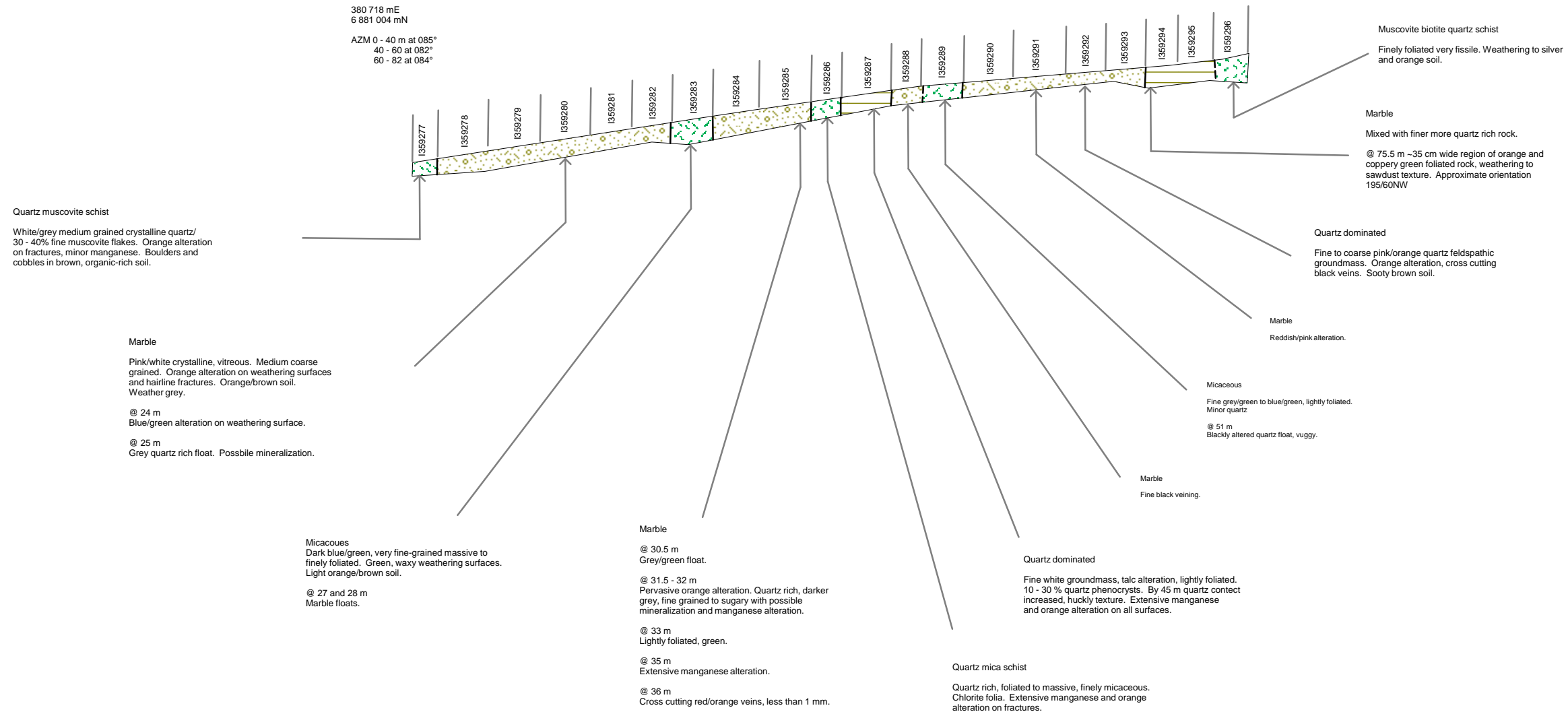
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**TR-11-16 - NORTH RIB**  
 SKED PROPERTY

0  30 m  
 UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 718 mE  
6 881 004 mN  
AZM 0 - 40 m at 085°  
40 - 60 at 082°  
60 - 82 at 084°



**Quartz muscovite schist**  
White/grey medium grained crystalline quartz/  
30 - 40% fine muscovite flakes. Orange alteration  
on fractures, minor manganese. Boulders and  
cobbles in brown, organic-rich soil.

**Marble**  
Pink/white crystalline, vitreous. Medium coarse  
grained. Orange alteration on weathering surfaces  
and hairline fractures. Orange/brown soil.  
Weather grey.  
@ 24 m  
Blue/green alteration on weathering surface.  
@ 25 m  
Grey quartz rich float. Possible mineralization.

**Micaceous**  
Dark blue/green, very fine-grained massive to  
finely foliated. Green, waxy weathering surfaces.  
Light orange/brown soil.  
@ 27 and 28 m  
Marble floats.

**Marble**  
@ 30.5 m  
Grey/green float.  
@ 31.5 - 32 m  
Pervasive orange alteration. Quartz rich, darker  
grey, fine grained to sugary with possible  
mineralization and manganese alteration.  
@ 33 m  
Lightly foliated, green.  
@ 35 m  
Extensive manganese alteration.  
@ 36 m  
Cross cutting red/orange veins, less than 1 mm.

**Quartz mica schist**  
Quartz rich, foliated to massive, finely micaceous.  
Chlorite folia. Extensive manganese and orange  
alteration on fractures.

**Quartz dominated**  
Fine white groundmass, talc alteration, lightly foliated.  
10 - 30 % quartz phenocrysts. By 45 m quartz content  
increased, hucky texture. Extensive manganese  
and orange alteration on all surfaces.

**Micaceous**  
Fine grey/green to blue/green, lightly foliated.  
Minor quartz  
@ 51 m  
Blackly altered quartz float, vuggy.

**Marble**  
Reddish/pink alteration.

**Quartz dominated**  
Fine to coarse pink/orange quartz feldspathic  
groundmass. Orange alteration, cross cutting  
black veins. Sooty brown soil.

**Marble**  
Mixed with finer more quartz rich rock.  
@ 75.5 m - 35 cm wide region of orange and  
coppery green foliated rock, weathering to  
sawdust texture. Approximate orientation  
195/60NW

**Muscovite biotite quartz schist**  
Finely foliated very fissile. Weathering to silver  
and orange soil.

	Marble		Approximate contact
	Metamorphic micaceous rock		Inferred contact
	Quartz		

\* Note: Trench fractured/weathered bedrock unless specified otherwise.  
Predominantly boulder sized fragments. 4 x vertical exaggeration.

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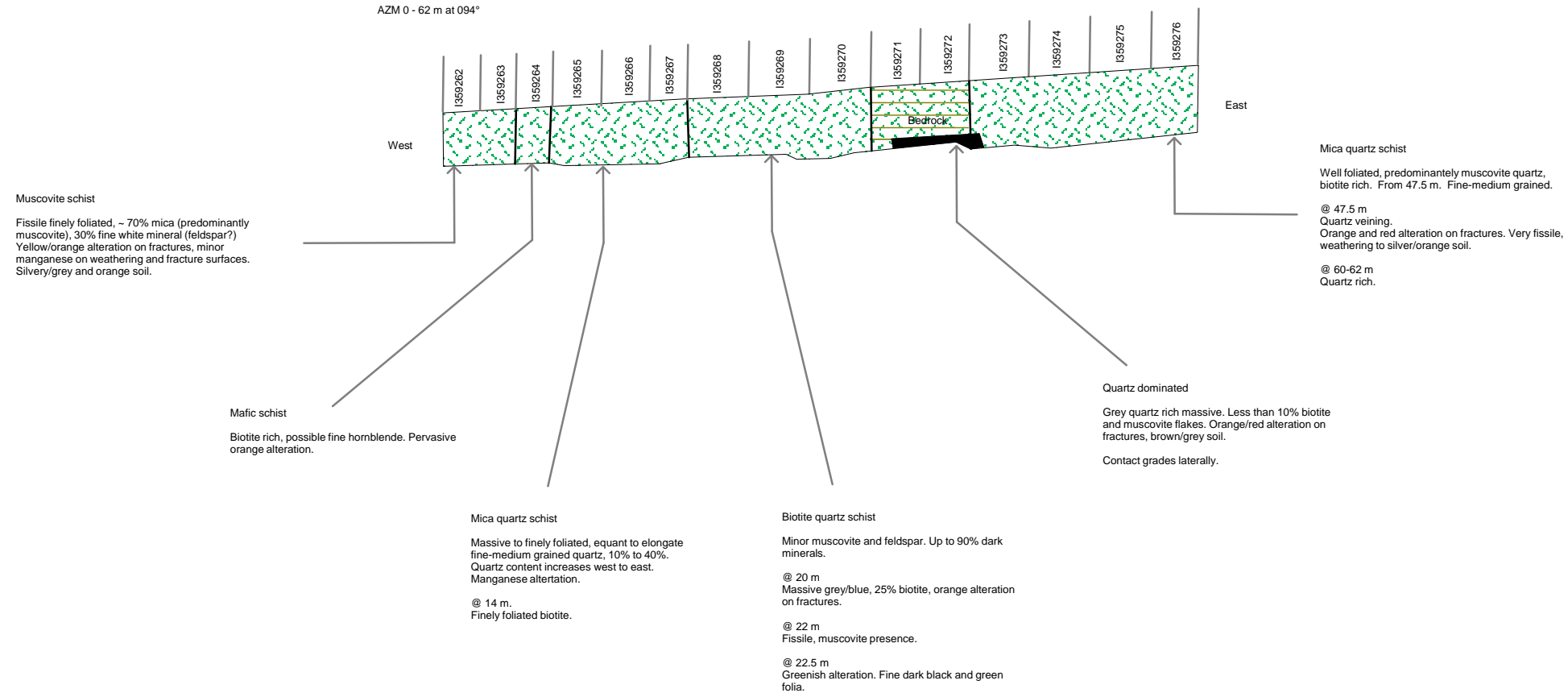
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED




**TR-11-18 - NORTH RIB  
SKED PROPERTY**

0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 808 mE  
6 881 109 mN  
AZM 0 - 62 m at 094°



 Metamorphic micaceous rock  
 Inferred contact  
 Quartz


\* Note: Trench fractured/fragmented rock unless specified otherwise.  
Predominantly boulder sized fragments. 4 x vertical exaggeration.

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**TR-11-19 - NORTH RIB**

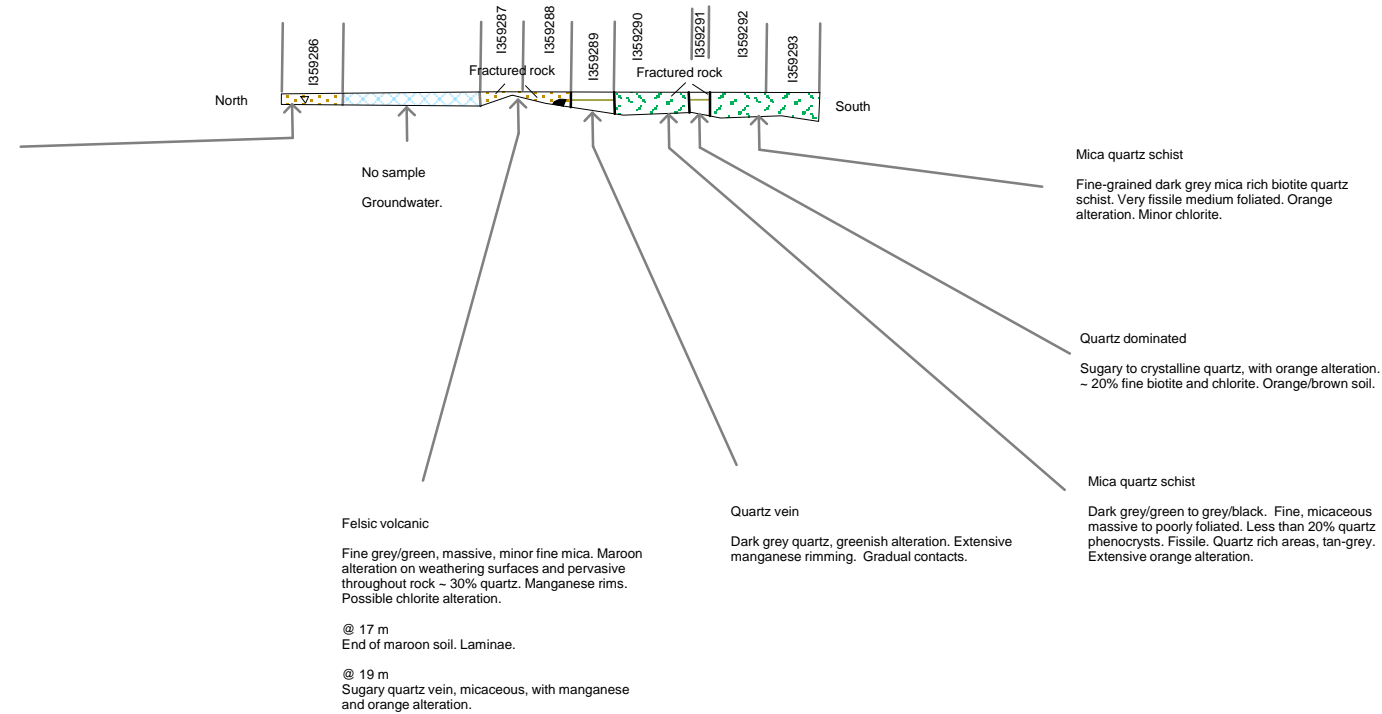
SKED PROPERTY

0  30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

380 080 mE  
6 881 155 mN  
AZM 0 - 35.5 m at 178°

Felsic volcanic  
Fine grained white rock, orange alteration on fractures.  
~1% possible silvery mineralization. Orange/  
brown soil.  
@ 3 m  
Coarse, quartz rich blue/green alteration.  
@ 4 m  
Darker grey, more quartz rich, manganese alteration.



	Volcanic rock		Inferred contact
	Metamorphic micaceous rock		Water table
	Quartz		
	No sampling possible		

\* Note: Trench rock fragments and chips unless specified otherwise.  
4 x vertical exaggeration

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**TR-11-20 - EAST RIB**

SKED PROPERTY

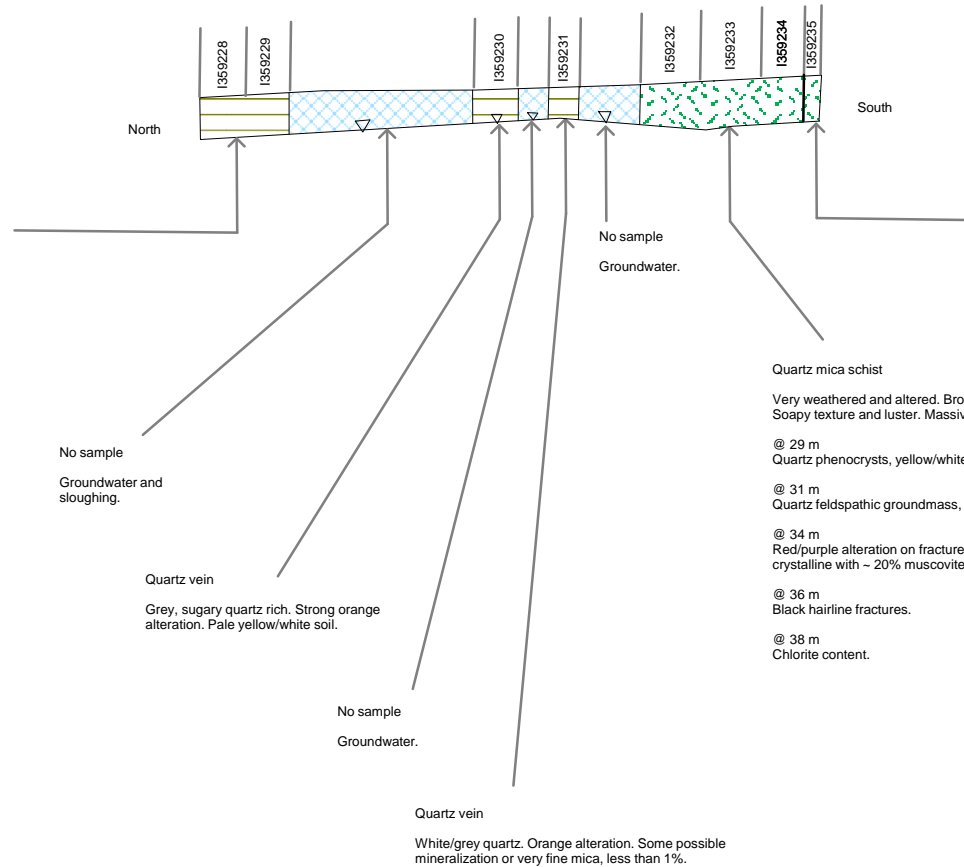
0 30 m  
UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011



380 919 mE  
 6 881 144 mN  
 AZM 0 - 9 m at 149°  
 9 - 17 @ 135°  
 17-30 @ 132°  
 30-41 @ 140°

Quartz vein  
 Fine grained, crystalline quartz. Orange/red alteration on fracture surfaces. Orange soil with coppery green patches, topped by brown soil.  
 @ 3 m  
 Coarser quartz grains, clay coating.  
 @ 4 m  
 30 - 40% visible quartz phenocrysts. Manganese and chlorite alteration.



Quartz vein  
 Fine, massive white quartz, red/orange alteration on fractures and manganese. Disseminated fine silvery flakes, 2-3%.

Quartz mica schist  
 Very weathered and altered. Brown/orange alteration. Soapy texture and luster. Massive to foliated.  
 @ 29 m  
 Quartz phenocrysts, yellow/white alteration.  
 @ 31 m  
 Quartz feldspathic groundmass, quartz phenocrysts.  
 @ 34 m  
 Red/purple alteration on fractures. Quartz float, coarse crystalline with ~ 20% muscovite flakes.  
 @ 36 m  
 Black hairline fractures.  
 @ 38 m  
 Chlorite content.

	Metamorphic micaceous rock		Inferred contact
	Quartz		Water table
	No sampling possible		

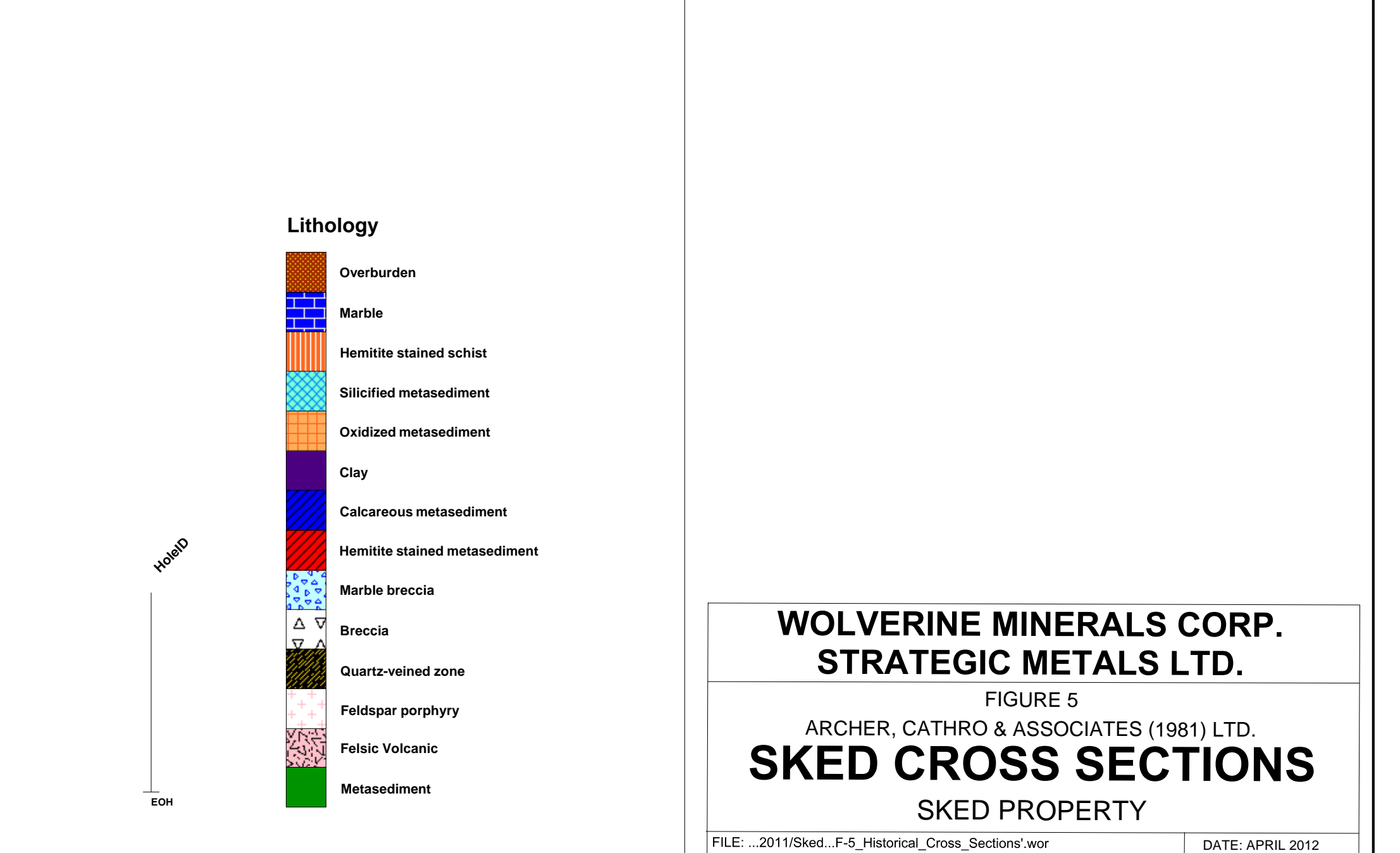
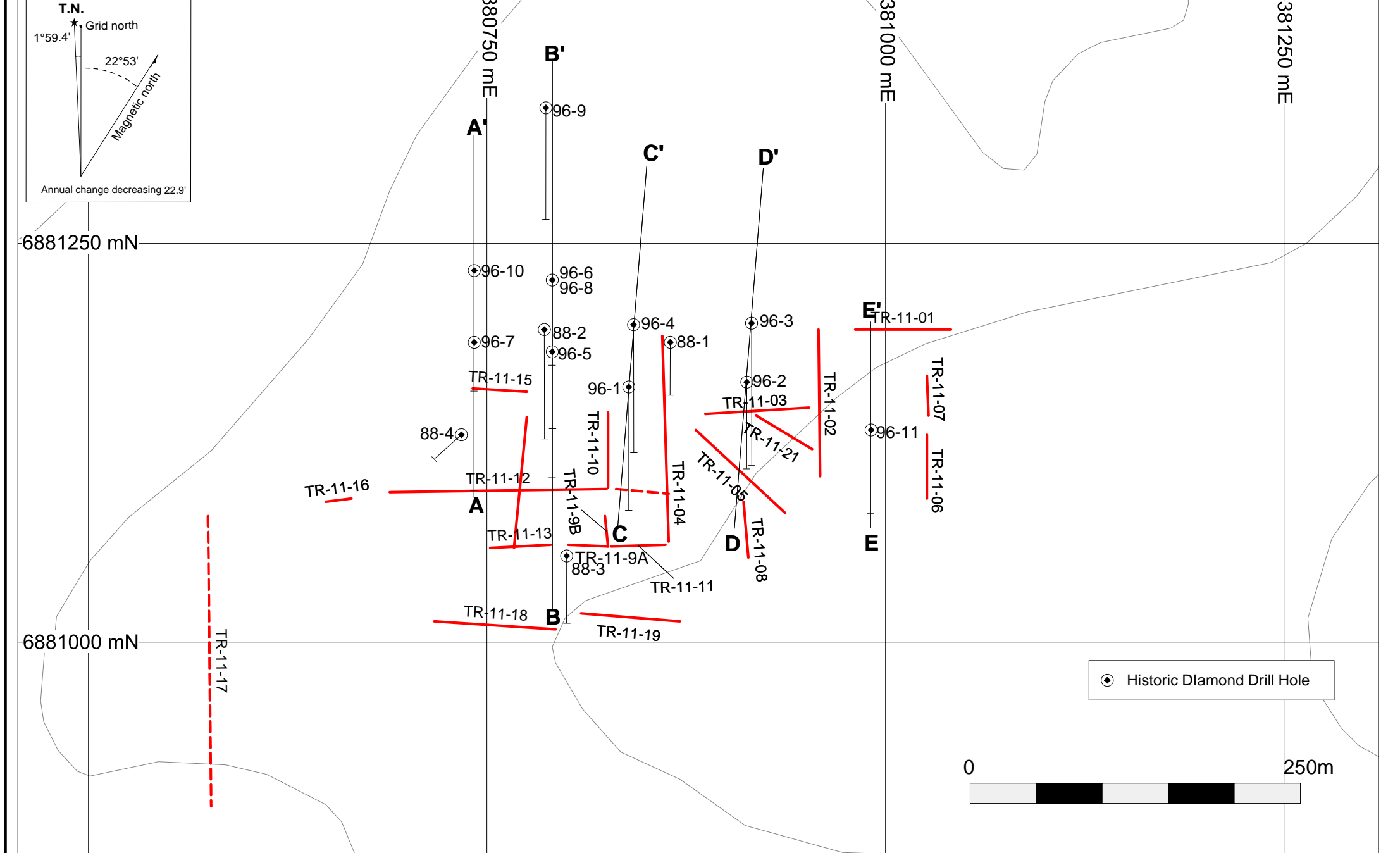
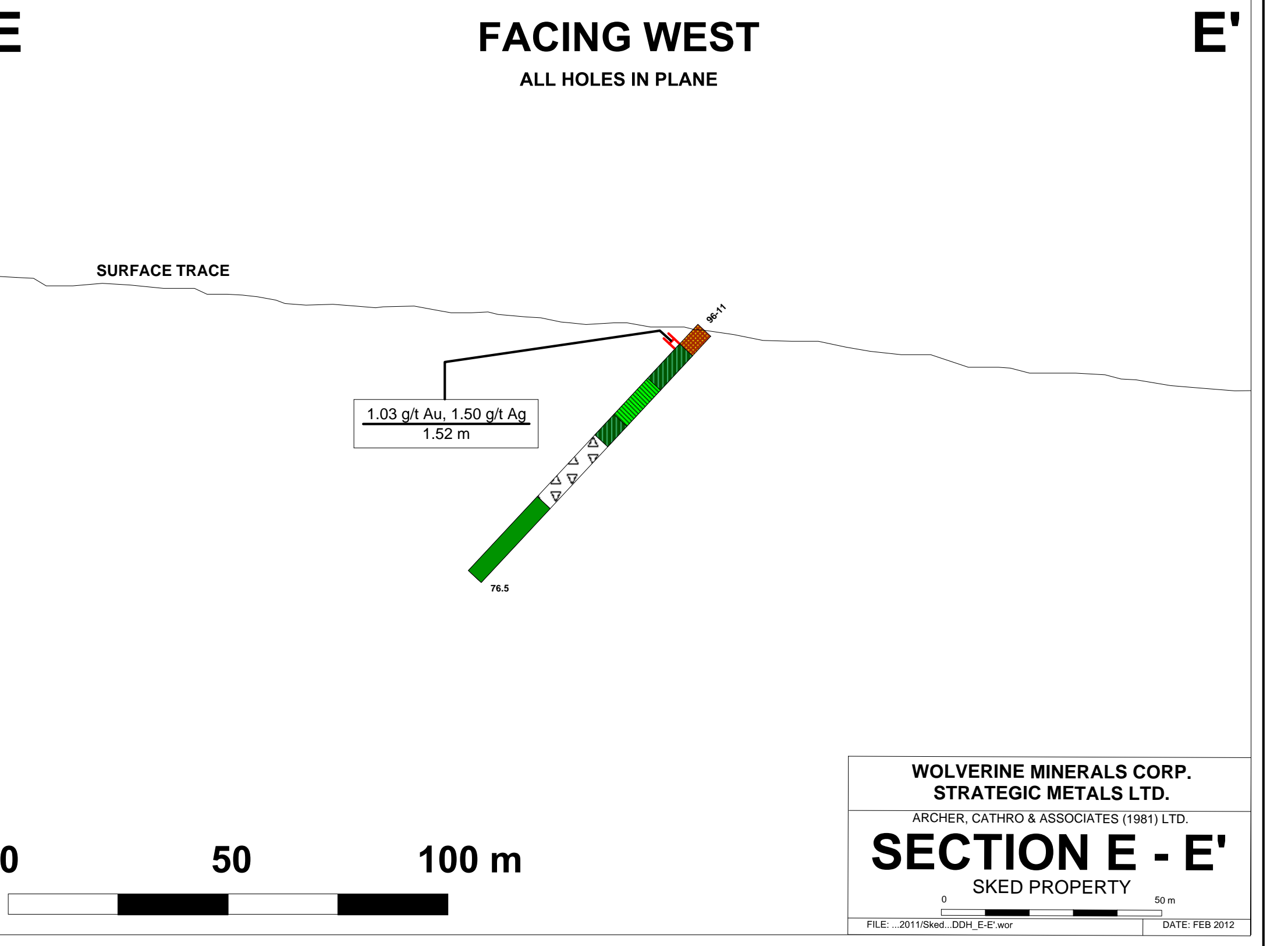
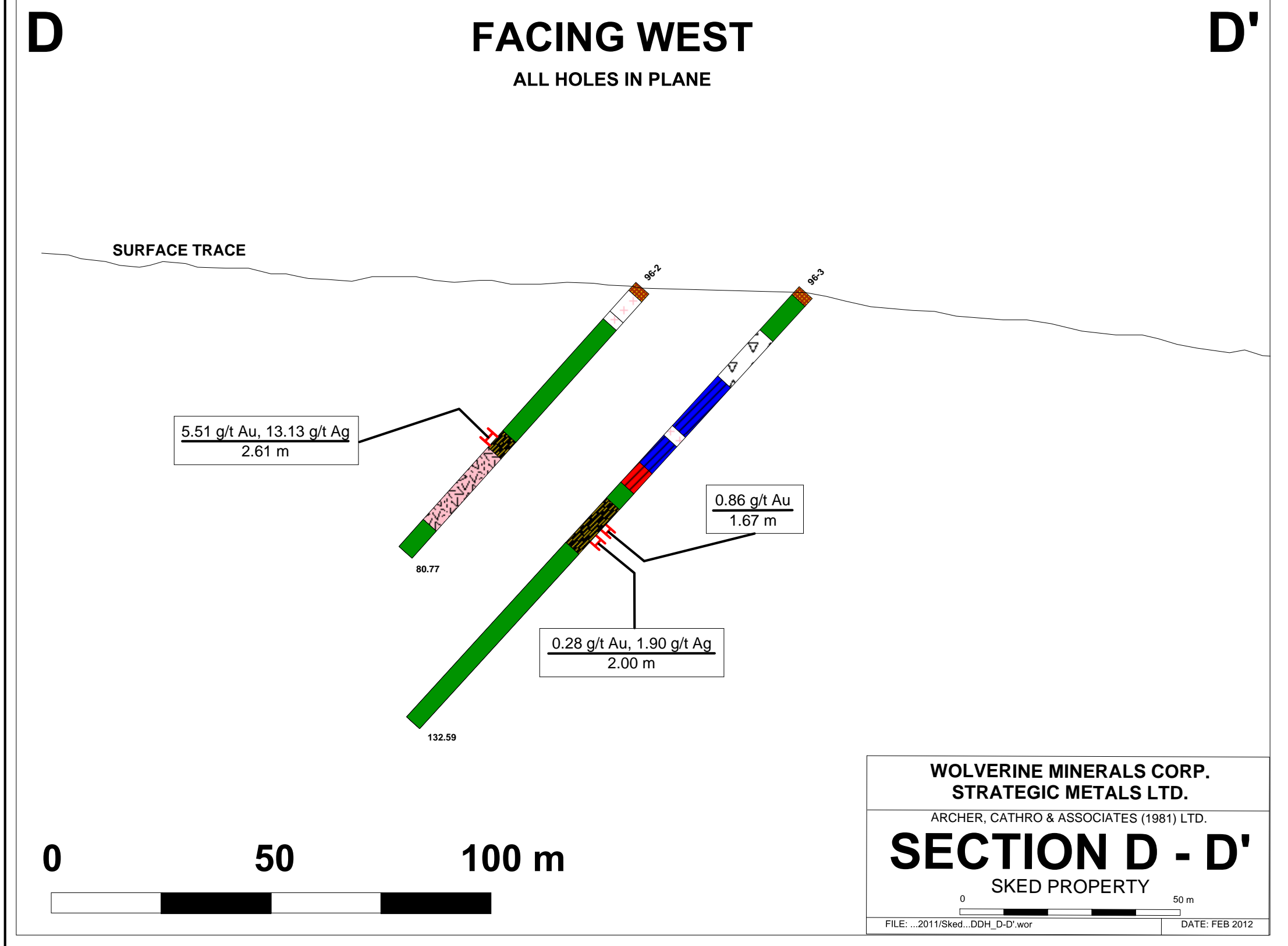
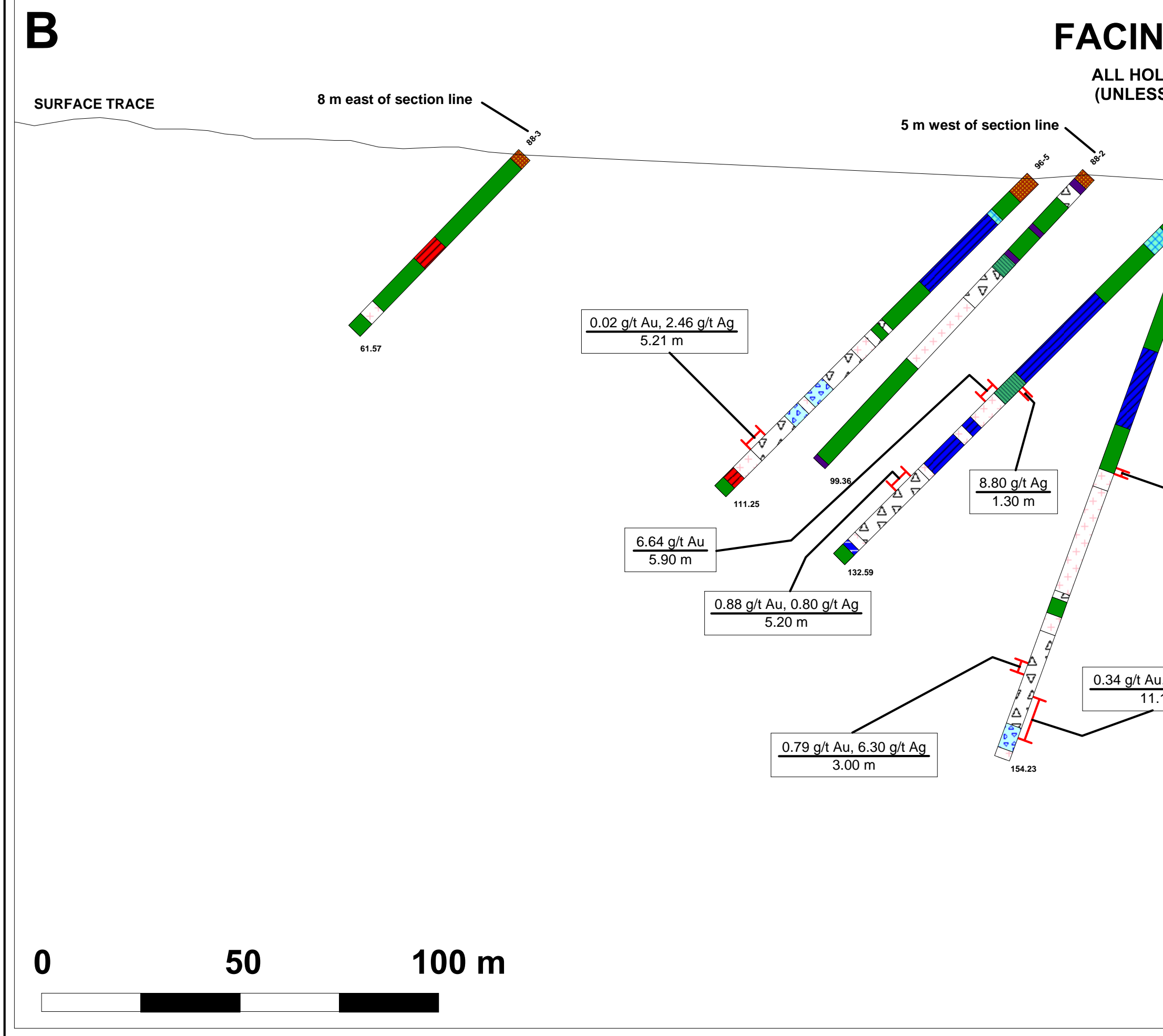
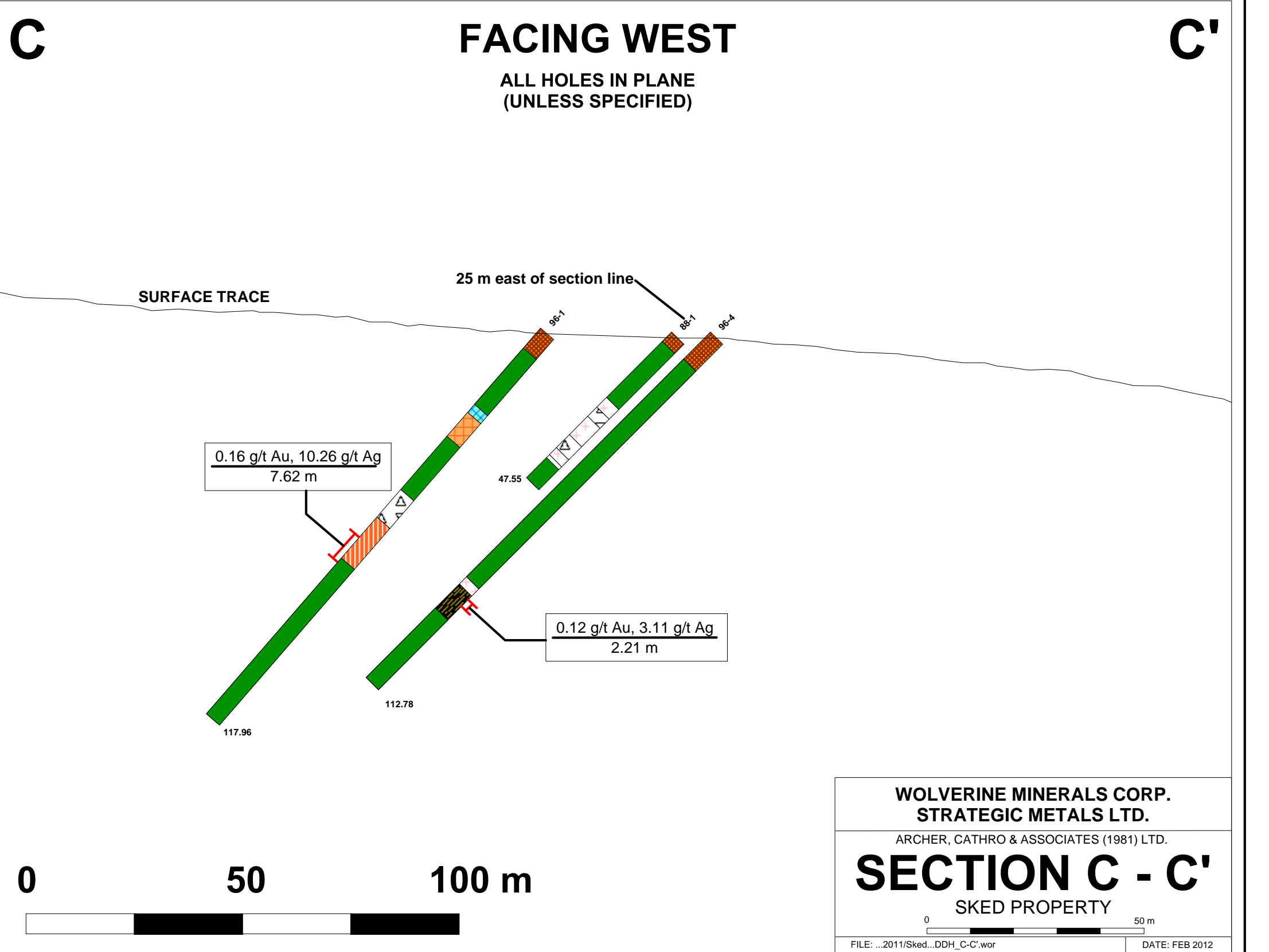
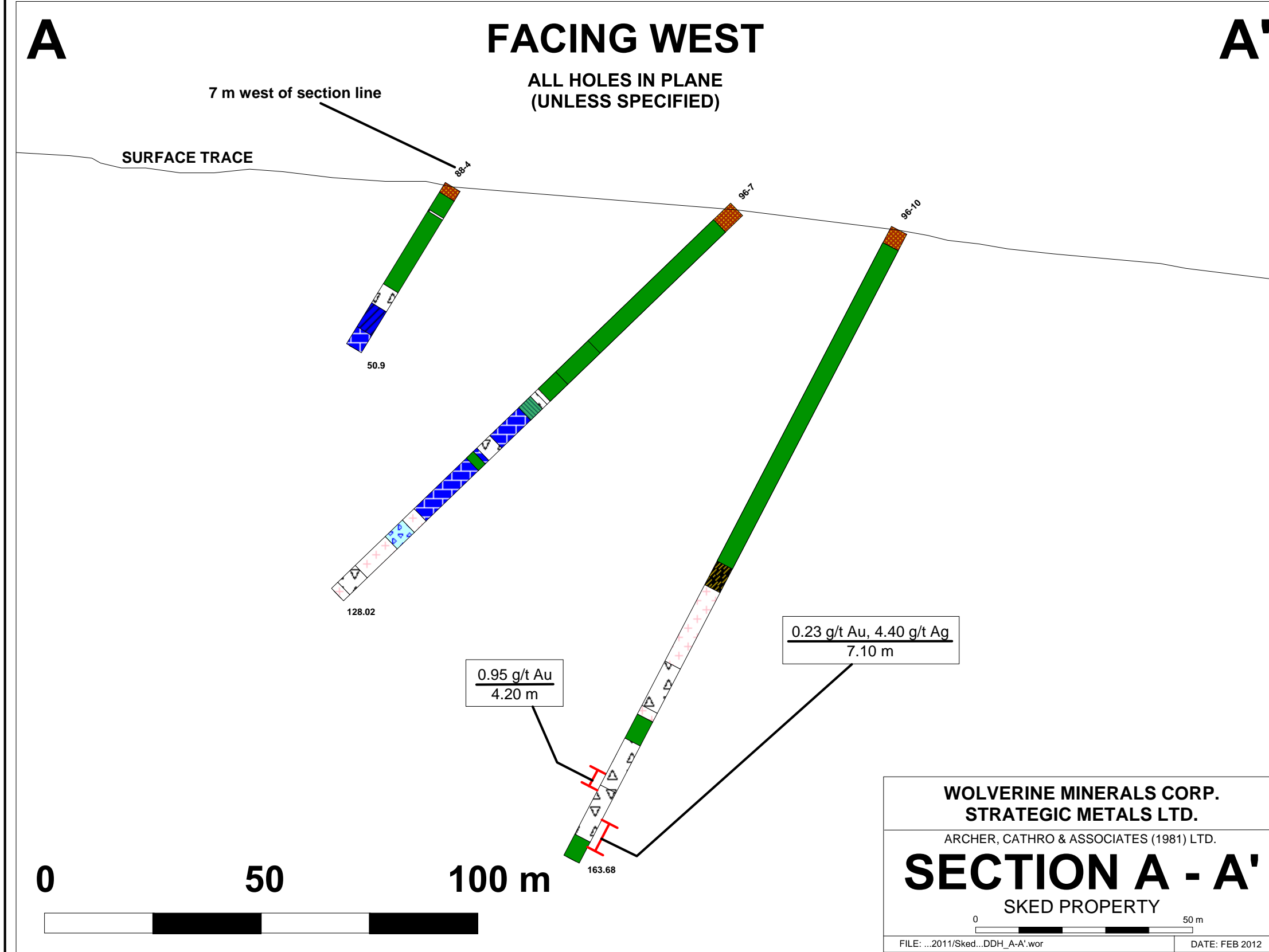
\* Note: Trench fragmented rock unless specified otherwise.  
 4 x vertical exaggeration

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TR-11-21 - EAST RIB**  
 SKED PROPERTY

0 30 m  
 UTM ZONE 8, NAD 83, 1151/03

FILE: ...2011 DATE: MARCH 2011

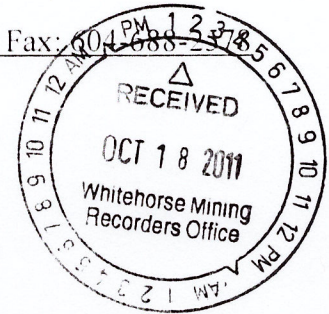


QW28873

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

Telephone: 604-688-2568

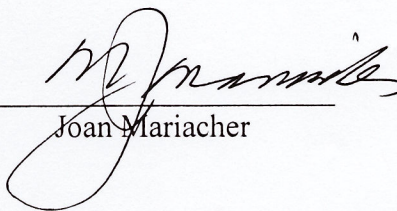
Fax: ~~604-688-3378~~



AFFIDAVIT

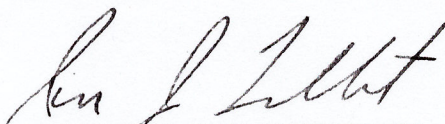
I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Sked 1-36 and Desk 1-6 mineral claims on claim sheet 1151/3 is accurate.

  
\_\_\_\_\_  
Joan Mariacher

Sworn before me at Vancouver, B.C.

this 17th day of October 2011.

  
\_\_\_\_\_  
Barrister & Solicitor

**IAN J. TALBOT**  
Barrister & Solicitor  
281 East 5th Street  
North Vancouver  
British Columbia  
Canada V7L 1L8

Statement of Expenditures  
Sked 1-36 and Desk 1-6 Mineral Claims  
October 17, 2011

Expenses

15317 Yukon Inc.

\$73,841.25