

# ASSESSMENT REPORT, 2014 SAMPLING PROGRAM

## McCONNELL PROPERTY

MAYO MINING DIVISION, YUKON, CANADA

NTS MAP SHEET: 106D/03 AND 105M/14, NAD83 ZONE 8

479000 m E and 7100000 m N

### CLAIMS AND OWNER:

Claim Name	Number(s)	Grant Number	Registered Owner
McConnells Jest	1 to 40	YD16701 to YD16740	Bill Koe-Carson - 100%
McConnells Jest	41 to 52	YD54701 to YD54712	Bill Koe-Carson - 100%
McConnells Jest	53 to 56	YD54713 to YD54716	Bill Koe-Carson - 100%
McConnells Jest	57 to 120	YD54717 to YD54780	Bill Koe-Carson - 100%
McConnells Jest	121 to 125	YD61470 to YD61474	Bill Koe-Carson - 100%
McConnells Jest	126 - 172	YD126853 - YD126899	Bill Koe-Carson - 100%

**PERIOD OF WORK: June 9<sup>th</sup> – July 25<sup>th</sup>**

### OPERATOR:

BILL KOE-CARSON

Prepared by:

Tyler Bourne B.Sc

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## 1.0 Introduction

### 1.1 Summary

The McConnell property consists of 172 contiguous (quartz) claims northeast of Mayo Y.T. The claim block covers an area of approximately 3,371 hectares in the central Yukon, and is owned and operated by Bill Koe-Carson. Mid-Cretaceous intrusive rocks emplaced are the target for gold exploration on the property.

Prior to the staking by Bill Koe-Carson in 2010 the property had seen limited exploration activity. Reference to the “Zed” (Z) claims (minfile#: 106D055) include the first claims initially staked over the current McConnell’s Jest claim block by United Keno Hill Mines. Initial grid soil sampling and prospecting returned some heavy metal and gold values.

Mapping by the Geological Survey of Canada (GSC) took place in 1961 (L. Green, 1972). This was a broad regional scale mapping project known as Operation Ogilvie (Minfile# 106D055). Further mapping by C. Roots in 1997 was compiled in conjunction with that of L. Green in 1961, and the GSC released a regional compilation of the area in 2003.

The property underwent glaciations (McConnell > 23,000 years BP) and, as postulated by Jeff Bond (1999), the ground is covered by basal till and a possible loess layer. Loess deposits generally hamper efforts to produce accurate soil samples (muted results), which may explain poor results obtained historically.

The property sits within the Tintina Gold belt, a broad arcing zone of gold and silver deposits which extends from the Yukon Territory through to Alaska. The property is situated in an area of historic and active placer operations and active hardrock exploration. Bound between the Tintina and Dawson thrust faults, the property lies within the Selwyn Basin. The property is underlain by Paleozoic clastic rocks comprised mainly of Upper Devonian and Mississippian Earn group submarine fan and channel deposits with siliceous shale and chert. Mid-Cretaceous Tombstone suite granodiorite to monzonite intrusions occupy a large portion of the property, thus Mr. Koe-Carson is targeting an intrusion related gold system. Dublin Gulch borders the McConnell property, contains similar geology and has a NI 43-101 compliant indicated resource of 2.3 million ounces of gold.

This basis of this report is to draw further conclusions and recommend further work on the property based on the work completed between June 9<sup>th</sup> and July 25<sup>th</sup> by Bill Koe-Carson. During this period work consisted of rock sampling in an effort to expand and confirm anomalous gold values in the area, as well as to generate potential drill targets.

## 1.2 Participating personnel

Work on the property was undertaken and completed by Bill Koe-Carson and a field assistant through the dates mentioned above. All sample assay work was submitted to and completed by Acme Labs, a Bureau Veritas Commodities Canada Ltd. Company out of Vancouver B.C. Geological expertise and advice was provided by Andy Randell, a geologist and acquaintance of Bill Koe-Carson, and the assessment report was written by Tyler Bourne, a geologist and acquaintance of Bill Koe-Carson.

## 2.0 Property Location, Accessibility and Claim Data

### 2.1 Location and accessibility.

The property is located in the central Yukon and lies 65 km northeast of Mayo, Y.T (figure 1) on map sheet 106D03 and 105M14 at 479500m E and 7100000m N in NAD83 Zone 8. Access is limited to a 25 minute helicopter trip from the Mayo airstrip. The Hansen-McQuesten Lake road, which lies east of the property provides foot and skidoo access.

### 2.2 Claim Data

The property is located within the Mayo Mining District, and consists of 172 contiguous (Table 2-1) mineral claims covering an area of 3,371 hectares. The individual claim data can be seen in Appendix 3, and a map with grant numbers can be seen in figure 2.

Table 2-1. McConnell claim information

Claim Name	Grant Number	NTS Map Number	Registered Owner	Expiry Date
McConnells Jest 1- 40	YD16701 to YD16740	106D03	Bill Koe-Carson - 100%	01/05/2015
McConnells Jest 41 - 52	YD54701 to YD54712	106D03	Bill Koe-Carson - 100%	01/05/2015
McConnells Jest 53 - 56	YD54713 to YD54716	105M14	Bill Koe-Carson - 100%	01/05/2015
McConnells Jest 57 - 120	YD54717 to YD54780	106D03	Bill Koe-Carson - 100%	01/05/2015
McConnells Jest 121 - 125	YD61470 to YD61474	106D03	Bill Koe-Carson - 100%	01/05/2015
McConnells Jest 126 - 172	YD126853 - YD126899	106D03	Bill Koe-Carson - 100%	01/05/2015

## 3.0 History

### 3.1 Historical Work

MinFile anomaly 106D055 coincides with the Mconnells Jest claims, and it is possible that United Keno Hill Mines, who staked a great number of claims in the region, had a name for the MinFile anomaly that lies in the area, however no records pertaining to this property in other names exist.

### 3.2 Recent work

In 2010, Bill Koe-Carson staked the claims as they exist today through the YMIP program (YMIP-10-001). The work carried out that summer included 12 stream samples, 44 soil samples and 28 rock samples. Values for the stream sediment samples ranged from the lower limits of detection through 11.7 ppm Au.

Soil sample results were minimal, however a thick blanket of glacial sediments likely mute the results of soil sampling in the area.

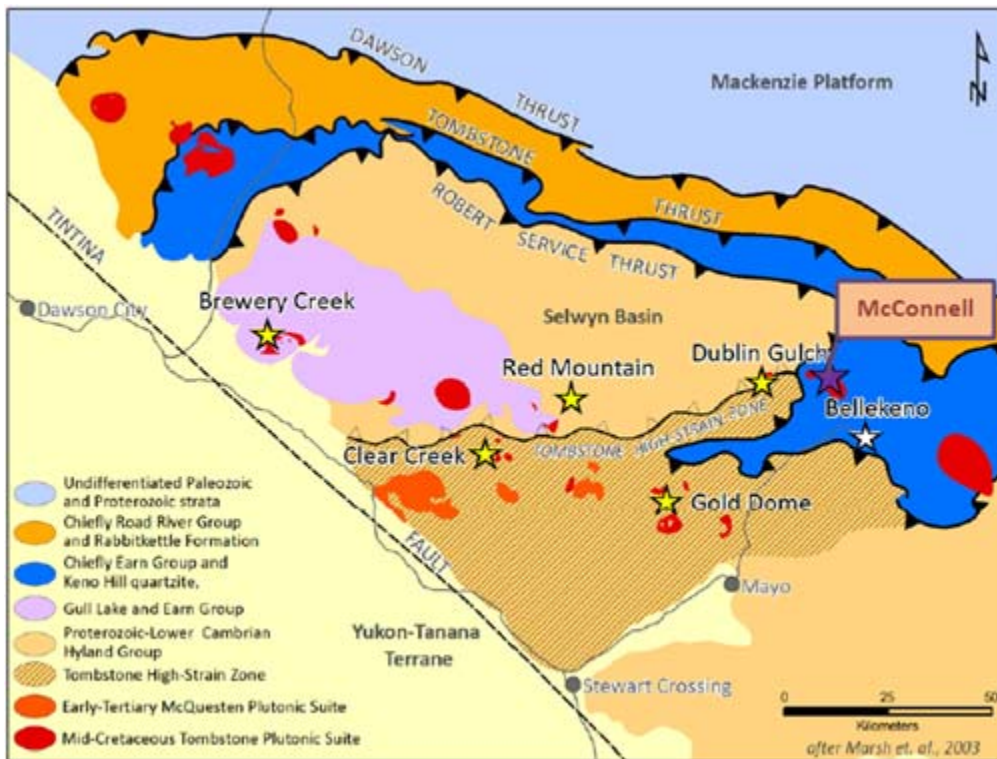
From 2011 through 2012 the property was optioned to Golden Predator Canada Corp. The sampling program targeted the granitoid pluton which occupies a large portion of the property.

In 2011 373 soil samples were taken, 3 of which assayed over 0.05 ppm and a number over 0.01 ppm Au. In 2012 Golden Predator Canada Corp. undertook a program to expand the grid from the previous year to the north and south. This program included a total of 242 soil samples and 74 rock samples. This work resulted in a number of anomalous targets, including a quartz-arsenopyrite breccia/vein which assayed over 25 g/t Au. A soil sample from that program at the north end of the property also assayed well at 1.27 g/t Au.

## 4.0 Geologic Setting

### 4.1 Regional Geology

The property lies within the Selwyn Basin. This is an area of the Cordilleran miogeocline where Proterozoic to Mesozoic sedimentary rocks were deposited along the flank of prehistoric North America. Paleozoic shale-carbonates lie in the east of the basin and the western portion is buttressed up against the accretionary terranes of the cordillera. The basin was active from the later Proterozoic to the mid-Jurassic (Abbot et al., 1986) and is attributed to rifting near the North American western margin. The inset map below shows a simplified version of the regional geology. Compressional tectonic events



generated a suite of regional faults, including the Robert Service, Tombstone and Dawson thrusts. Deformed rocks within the Selwyn Basin, as well as large rock packages transported north are further evidence of this compression. The Robert Service thrust juxtaposes rocks of the ancient miogeocline from

the south (Proterozoic Hyland group) up against Mississippian 'Keno Hill' quartzite (Murphy et al., 1993a).

The mining and mineral exploration within the Selwyn basin is a result of the intrusion of a number of plutonic suites. These northwest trending mid-Cretaceous suites were emplaced during and after the accretion and crustal thickening stages along the aforementioned miogeocline. The Tungsten, Mayo and Tombstone plutonic suites all have associated deposits, ranging from sheelite skarns of Mactung and Cantung, to granitoid intrusion related gold systems Dublin Gulch and Clear Creek, to the alkalic monzonites hosting U-Th-REE. The plutonic suites range from 97 to 64 Ma in age.

Mineralization within the plutonic suites and their country rock ranges between veins, skarns, stockworks and breccias. They are generally hosted within or proximal to the intrusions. The most predominant form of mineralization are sheeted quartz veins, however the majority of deposits will display more than one style of mineralization.

## **4.2 Property Geology**

The property is underlain by Paleozoic clastic rocks of the upper Devonian and Mississippian Earn group submarine fan and channel deposits. Lithologies are predominantly siliceous shales and cherts with interbeds of arenites and wackes, chert pebble conglomerates siltstones and barite with rare limestone. A 7 x 2.5 km mid-Cretaceous Tombstone suite granodiorite intrusion occupies a large portion of the property (figure 4). Due to the little amount of historic exploration and drilling, very little is known about contacts, structures and for the most part mineralization. A map of the property geology can be seen on figure 3.

## **4.3 Quaternary Geology**

As mentioned above the property underwent glaciation during the McConnell glaciation (>23,000 BP). It has been demonstrated through a number of field seasons that the ground is covered by basal till.

## **4.4 Mineralization**

The style of mineralization on the property is similar to that seen on a number of mid-Cretaceous intrusion-related systems in the central Yukon. Brittle deformation along the margins of the intrusion opens up void space for fluid flow. This void space is then in-filled with exhalative fluids (extensional veins) as the intrusion cools, depositing gold, arsenic, silver, antimony, lead and other metals. Thin quartz veins (microveins/sheeted quartz veins) are also present, and may represent fluid distribution closer to the core of the pluton. It is possible that multiple fluid flow events occurred throughout granodiorite, thus remobilizing and concentrating metals closer to the edges of the pluton, in veins similar to sample 14474 (28.8 g/t Au).

## 5.0 Exploration

### 5.1 2014 Program

The 2014 exploration program consisted of a 2 man crew, Bill Koe-Carson, prospector, and a field assistant. A total of 102 rock samples were taken over the course of the program. Assay data can be located in appendix 4. Though a broad idea of mineralization can be applied from a regional standpoint (similarities to Dublin Gulch and Clear Creek), the source of the gold and series of events has yet to be completely understood. Sample locations can be seen in figures 4-16.

### 5.2 Sampling Methodology and Protocols

The program was overseen by Bill Koe-Carson, a prospector, whom gathered 102 rock samples from a number of high priority target areas. The majority of sampling was undertaken in an area now named “Pink Mountain”. As Bill Koe-Carson is an experience prospector, samples were taken at the liberty of the individual, with a focus on plutonic intrusive rocks, the veins within these plutonic rocks, and proximal country rocks. Samples were taken, bagged and tagged with Acme sample tags, described and coordinates recorded. When a potentially gold bearing vein was identified and sampled, a sample of the wall rock which surrounded the veins were also taken.

### 5.3 Results

A great deal of focus was put on the area now called “Pink Mountain”. A single rock sample from 2012 in the area (AA064259) yielded 0.66 g/t Au and soil sampling from the same year showed little results. The work in 2014, however, shows excellent potential in the area. No fewer than 15 rock samples from the Pink Mountain area yielded gold values of 0.249 g/t Au over an area of approximately 500m x 375m.

775 m due west of Pink Mountain, an area described as “Bullion Blister” yielded 3 samples over 0.249 g/t Au. Two of these samples lie 50m southwest of the 2012 sample which assayed over 25 g/t Au. These gold results can be seen in figures 4-7, and highlights can be seen below in Table 5-1.

Table 5-1: 2014 sample highlights

Sample ID	Sample type	Zone	Vein type/sample type	Au ppm	Ag ppm	As ppm	Sb ppm
14474	Rock	Bullion Blister	Wide/extensional	28.8	7.7	>10000.0	214.7
14544	Rock	Bullion Blister	Re-sample of AA064560	16.5	3.7	>10000.0	118.6
14530	Rock	Pink Mountain	Wide/extensional	7.17	1.3	>10000.0	74.4
14551	Rock	Pink Mountain	Sheeted quartz veins/micro veins	5.318	0.3	1032.5	1.5
14533	Rock	Pink Mountain	Wide/extensional	5.177	1.1	3731.1	3.1
14522	Rock	Pink Mountain	Sheeted quartz veins/micro veins	3.582	0.8	564.9	4.7
14515	Rock	Pink Mountain	Altered	3.497	25.5	9914.1	18.6

			Granodiorite				
14532	Rock	Pink Mountain	Wide/extensional	2.722	0.3	5807	3.2
14531	Rock	Pink Mountain	Wide/extensional	2.612	0.3	3686.4	3.5
14535	Rock	Pink Mountain	Wide/extensional	2.239	1.2	>10000.0	26.4
14528	Rock	Pink Mountain	Sheeted quartz veins/micro veins	1.663	0.2	1499.2	0.8
14511	Rock	Pink Mountain	Sheeted quartz veins/micro veins	1.49	0.1	746.3	1.2
14479	Rock	Pink Mountain	Wide/extensional	1.157	3.2	7454.6	6.6
14527	Rock	Pink Mountain	Sheeted quartz veins/micro veins	0.942	<0.1	1437.1	0.5
14521	Rock	Pink Mountain	Sheeted quartz veins/micro veins	0.841	0.9	1499.2	2.1
14451	Rock	Bullion Blister	Wide/extensional	0.811	0.6	1768.5	4.8
14475	Rock	Bullion Blister	Wall rock of 14474	0.509	0.2	5111.6	3.8
14501	Rock	Pink Mountain	Sheeted quartz veins/micro veins	0.302	14.3	982	29.5
14499	Rock	Pink Mountain	Wide/extensional	0.249	0.2	3917	2
14550	Rock	Pink Mountain	Sheeted quartz veins/micro veins	0.241	<0.1	174.4	0.2
14546	Rock	Bullion Blister	Sheeted quartz veins/micro veins	0.106	0.2	1431.9	1

The anomalous and high gold values can be attributed to two types of veining mentioned earlier in this report. Extensional veins likely situated at the margins of the pluton and sheeted quartz/micro-veining.

It should be noted that the author of this paper was not present during sampling and some petrogenesis/geological inferences have been made.

## 5.4 Sample Analysis

Samples were analyzed at Acme Laboratories ISO 9001 certified labs in Vancouver, B.C Canada. Analysis was initially and aqua regia digestions and mass spectrometer finish with a 36 metal analysis package. After being leached in hot modified aqua regia, samples with over limit gold were re-assayed by Fire assay. Initially a fire assay FA430 analysis was ran on a 30g sample followed by an ICP-MS. With an upper limit of 1ppm, over limit samples were analyzed again using FA530-Au analysis, a secondary fire assay of a 30g sample with no upper limit of detection.

## 6.0 Conclusion

### 6.1 Conclusions

This property shows excellent indication of being an intrusion related gold system, and may very well be an extension of, a “down strike deposit”, or a structural offset of the Eagle gold (Dublin Gulch) property. Though a previous rock sample at the “Pink Mountain” zone had contained some gold, the work in 2014 by Bill Koe-Carson has shown that this zone has continuous gold bearing potential over a 500mx375m

area. The sampling undertaken over the past four years has proven that the mid-Cretaceous Tombstone pluton which underlies the property has had gold bearing mineralization pass through it. Multiple high gold values, at times upwards of 30 g/t Au, can be found over a number of spots on the McConnell property. Mineralization is present in sheeted quartz veins/microvein swarms, thick extensional veins, as well as host plutonic rock proximal to this hydrothermal vein activity. Stream sediment samples, float samples and bedrock have all yielded decent to high gold numbers.

The common underpinning with all the anomalous samples, from rock, silt and soil, is the geological domain over which they lie. The silt samples were taken downstream from the Tombstone pluton on the property, thus the water drained this zone. Though soils have never been a good indicator of gold on this property, likely due to quaternary glaciation, those that do run with decent gold values are situated over the Tombstone pluton. And finally, all the anomalous and high grade rock samples taken between 2010 and 2014 are either portions of the intrusion themselves, hydrothermal fluid veins within the intrusion, or are samples immediately proximal to the intrusion. It can be said with confidence that the Tombstone pluton on the McConnell claims is mineralized, and quite possibly to a large extent, though further work will need to be undertaken to prove this.

With regards to the geochemical signature of the deposit, the assay results display characteristics often found in coarse gold deposits. Initial aqua regia digestion assays resulted in under estimates of a large number of the anomalous gold values, at time being off the mark by nearly 200%. On the contrary, a few of the aqua regia values were above the secondary FA-430 fire assay results. This points to variability in the deposit, which can frequently be tied to coarse gold throughout a sample. The 2014 sample 14474, for example, was ran as a preparation duplicate. The initial rock sample ran at 28.8 g/t Au. The prep sample ran at 35.1 g/t Au. Bearing this in mind, a future operator should likely consider metallic screen fire assays and gravimetric finishes, as a precious metal prill weight provides an entirely more accurate representation of high grade Au compared to dissolution and spectrometric finishes.

## **6.2 Recommendations**

The sampling results over the past four years on the McConnell project have shown great promise. Further work is recommended on the Bullion Blister zone in order to better define the potential mineralization. Trenching both parallel to, and perpendicular to the rock samples which ran high grade could potentially expand, constrain and better define mineralization. Exposing as much bedrock around these samples would be ideal in order to generate drill ready targets. Channel sampling along veins, and across veins through the host granodiorite would also characterize the mineralization better both physically and geochemically. This area is host to some of the highest grade samples on the property (>25 g/t Au) and is likely to boast more positive results if more of the pluton can be exposed, or more thoroughly sampled. At the very least field mapping of what is exposed would give a better understanding of the mineralization of the pluton in this specific area, and would assist in generating drill targets.

The Pink Mountain zone shows excellent potential, and could likely already be considered a drill ready target. Gold bearing veins (.25 – 5 g/t Au), both wide extensional quartz veins as well as sheeted micro veins display a strike between 140 and 158 degrees, and dip between 5 and 25 degrees. With this

information a small reconnaissance drill program could be designed to drill perpendicular to these veins, and test the overall depth and true thickness of the zone. A number of holes along strike could help define the overall size. At the very least, as with the Bullion Blister zone, trenching to bedrock along under exposed areas would help to either expand or constrain the area, and could fill in missing information between the northern most 2.239 g/t sample, and the southern swath of samples which run between .25 and >5.0 g/t Au. Again, channel and chip sampling along the veins, and across the veins would aid in better defining the geochemistry and mineralization.

In addition to the work recommended throughout the Pink Mountain zone, sample AA063190 from 2012 sampling assayed at 0.74 g/t Au, and lies approximately 1,000m north east of the Pink mountain zone. A number of soil samples through the area also returned muted, but above detection limit gold grades. With an aqua regia digestion not necessarily showing the true gold grades, these samples warrant follow up. It is possible, through structural offset, or continuous strike length, that these samples display an extension of the Pink Mountain zone.

## 7.0 References

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ALASKA



● Old Crow

NORTHWEST TERRITORIES

YUKON

● Dawson City

★ McConnell

● Faro

● Ross River

● Whitehorse

● Watson Lake

### McConnell Property Overview

McConnell Property  
**Figure 1**

- ★ McConnell Property
- Parks and Protected Land
- Roads



Projection: NAD83, Albers

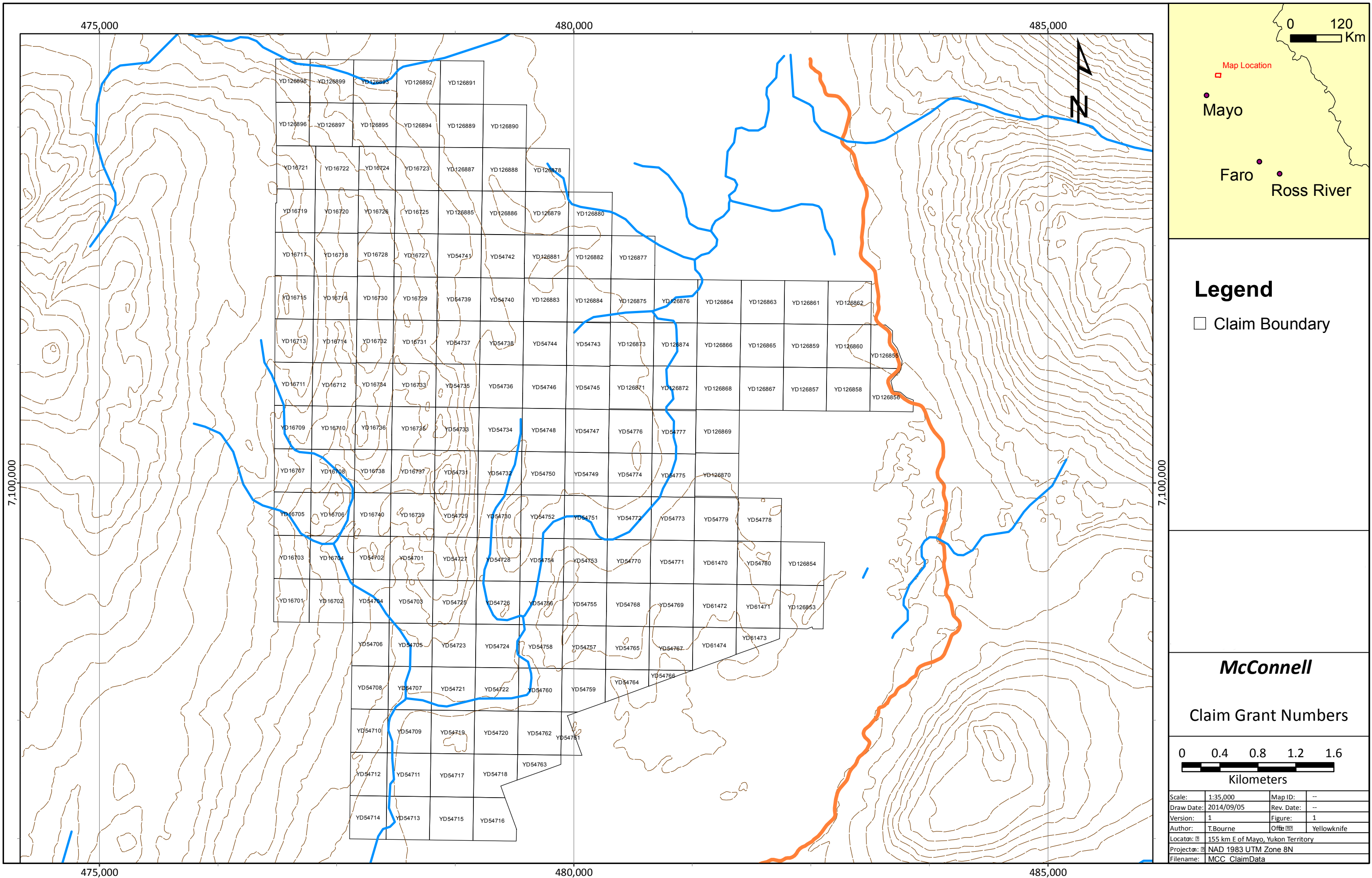


Figure 2

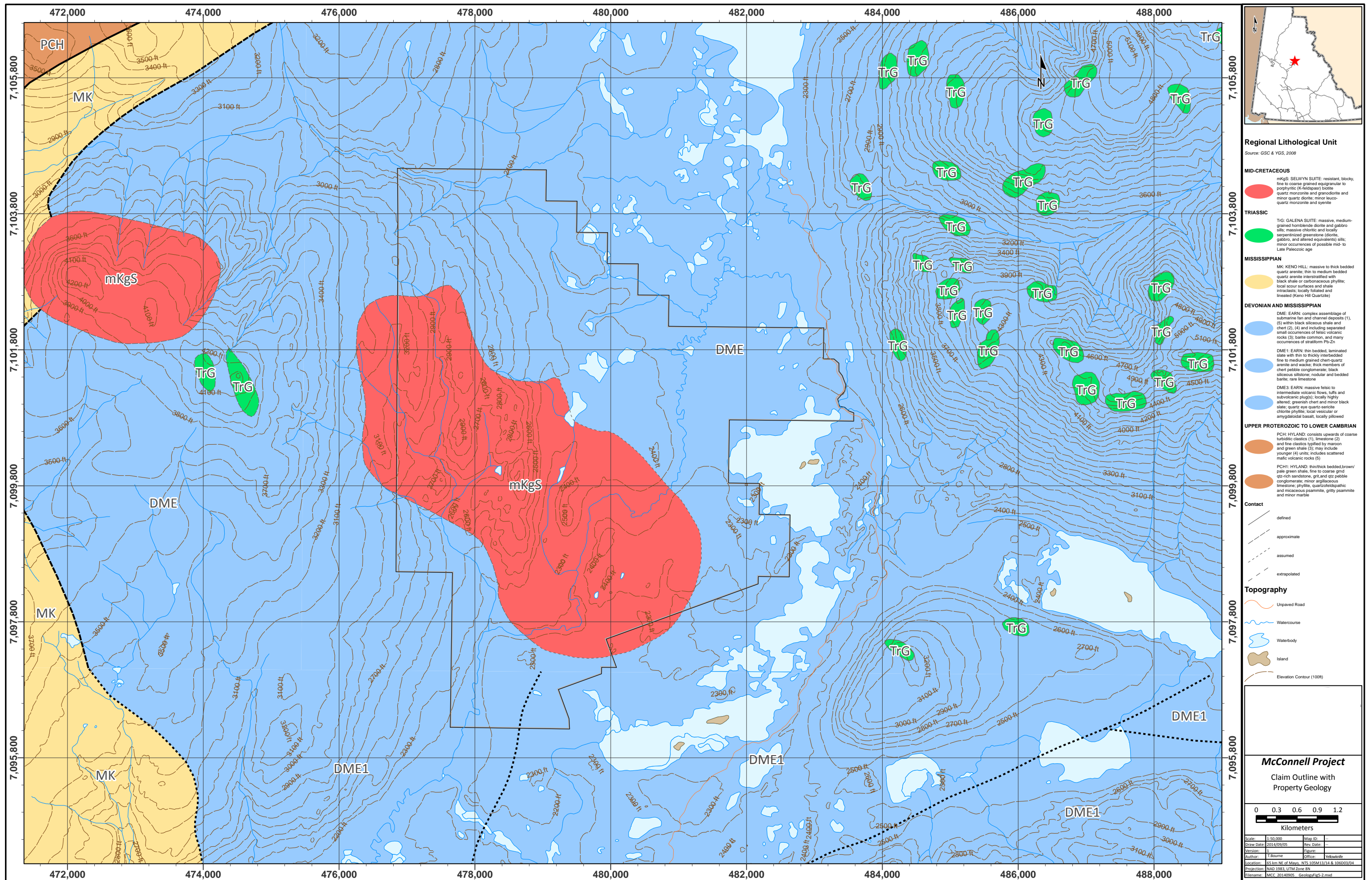


Figure 3

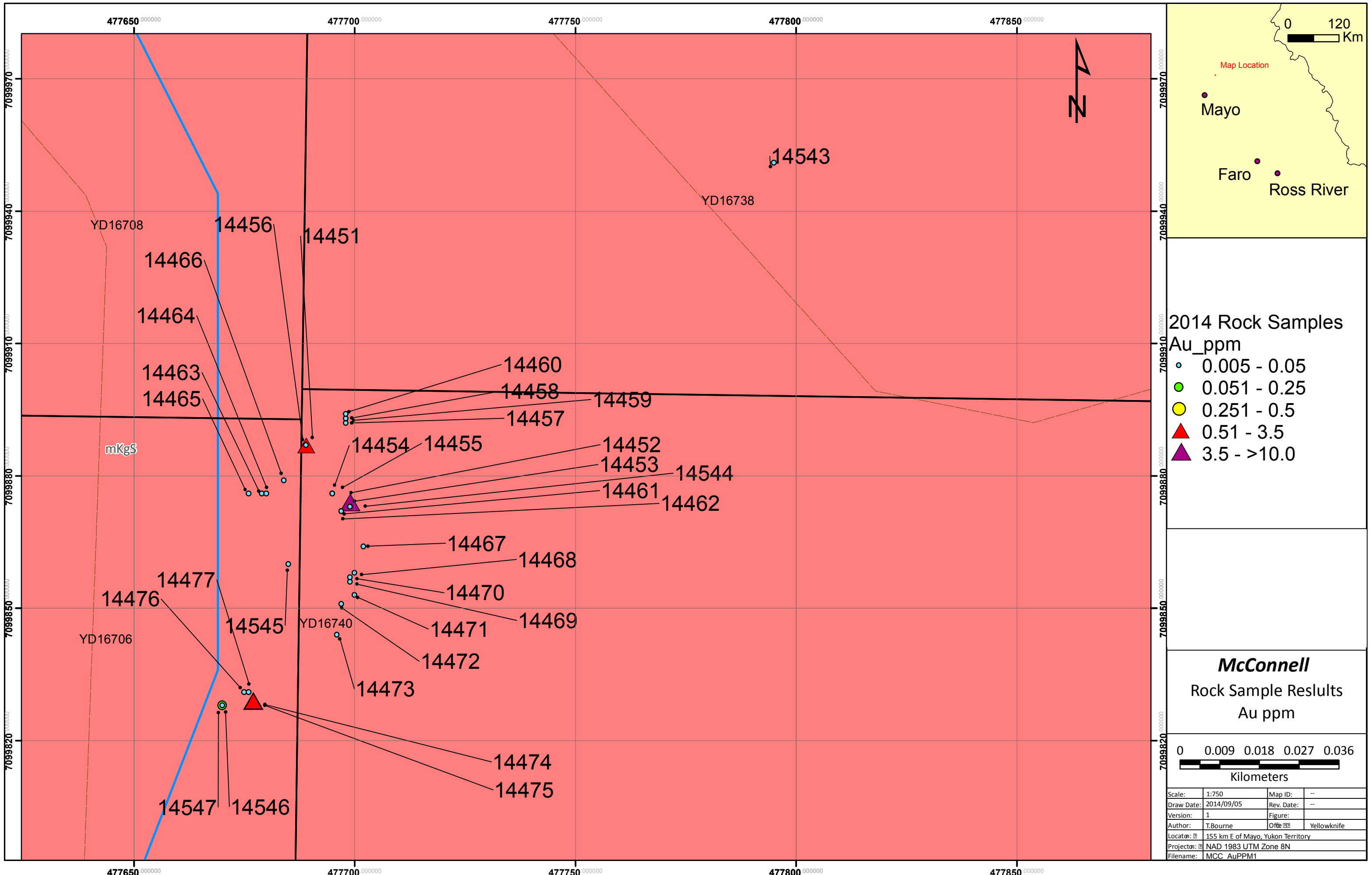


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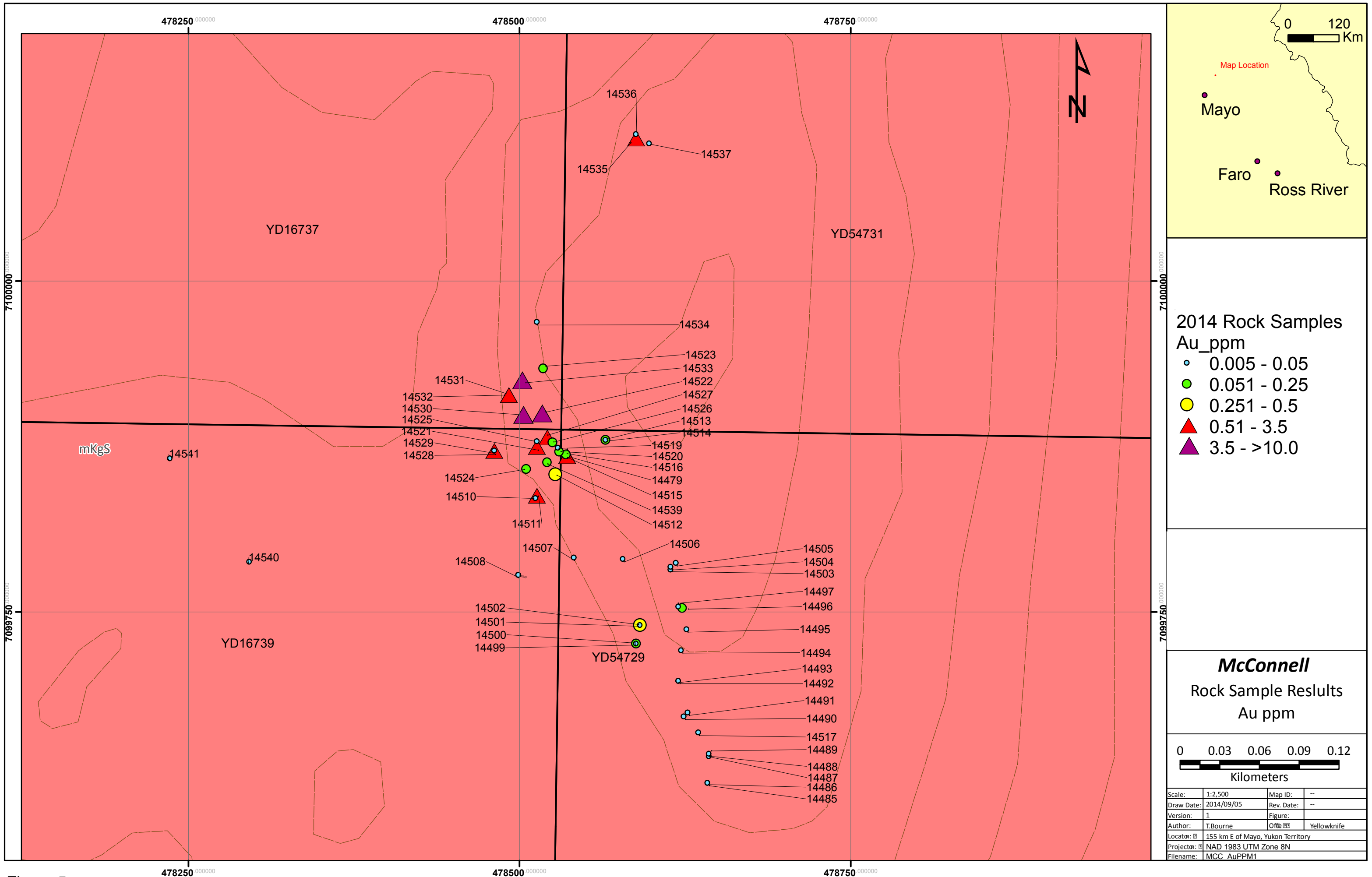
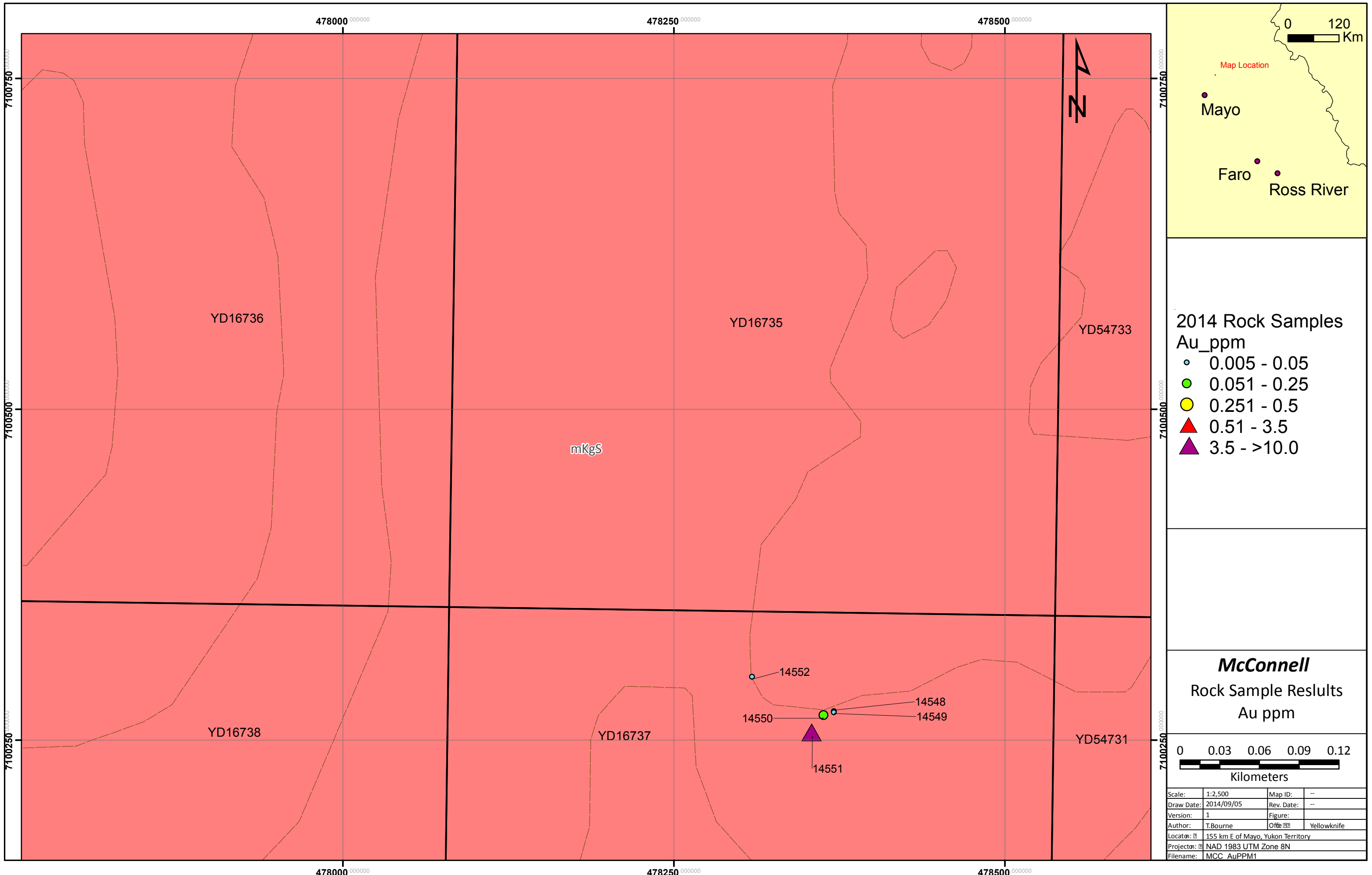
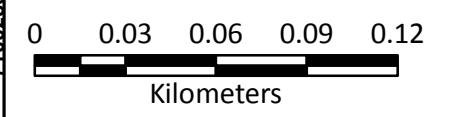


Figure 5



- 2014 Rock Samples**  
**Au\_ppm**
- 0.005 - 0.05
  - 0.051 - 0.25
  - 0.251 - 0.5
  - ▲ 0.51 - 3.5
  - ▲ 3.5 - >10.0

**McConnell**  
**Rock Sample Results**  
**Au ppm**



Scale:	1:2,500	Map ID:	--
Draw Date:	2014/09/05	Rev. Date:	--
Version:	1	Figure:	
Author:	T.Bourne	Office:	Yellowknife
Location:	155 km E of Mayo, Yukon Territory		
Projection:	NAD 1983 UTM Zone 8N		
Filename:	MCC AuPPM1		

Figure 6

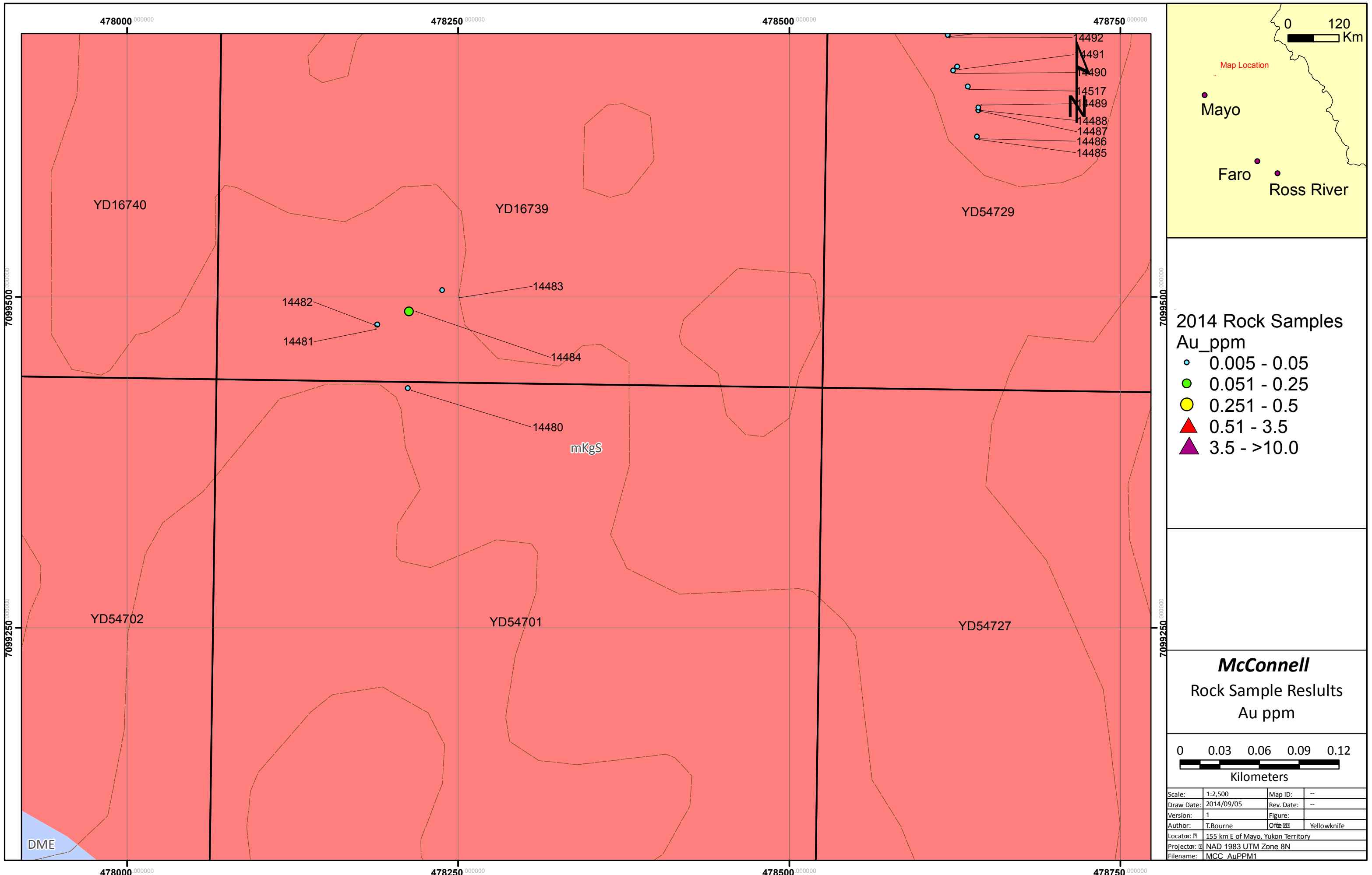


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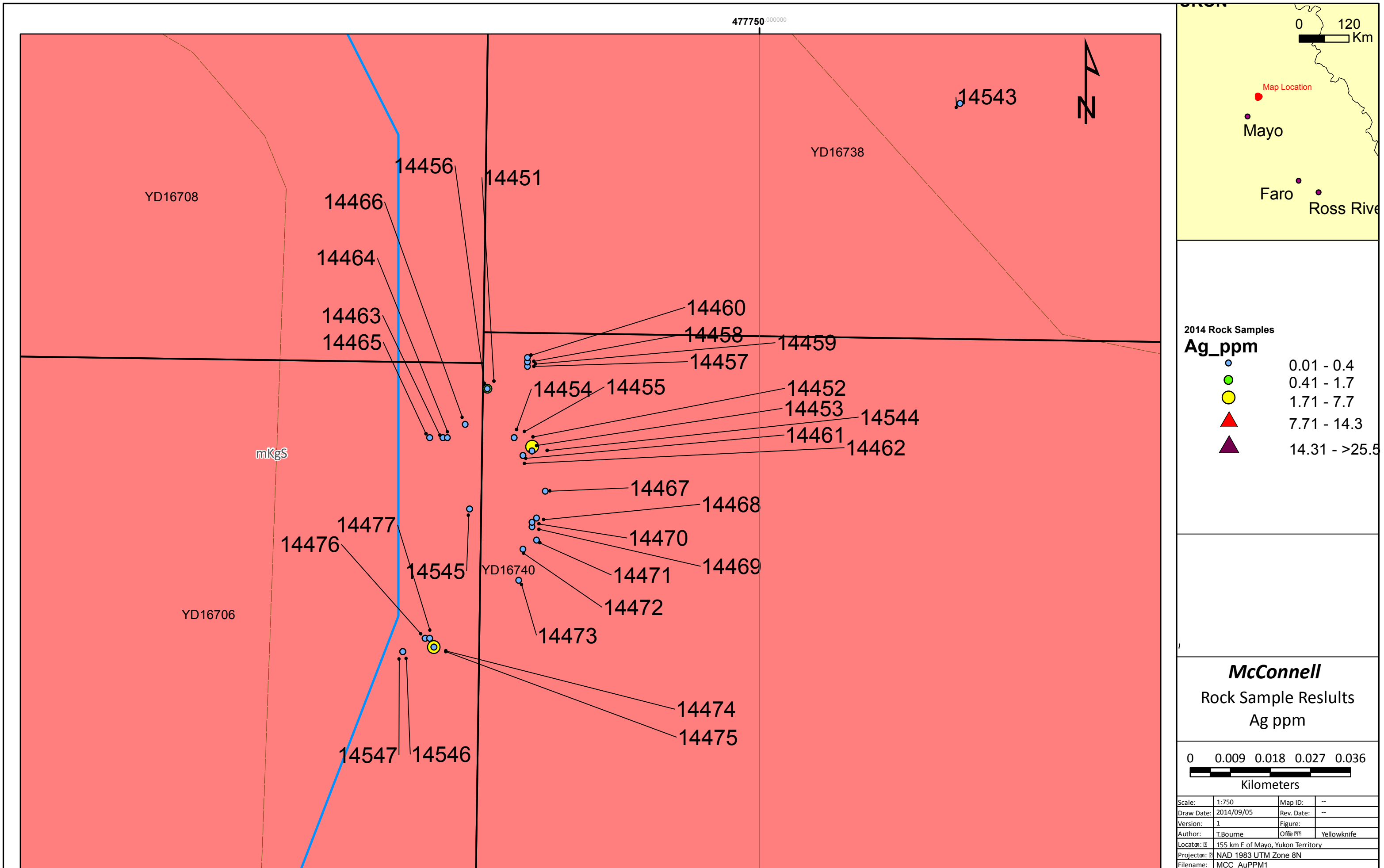


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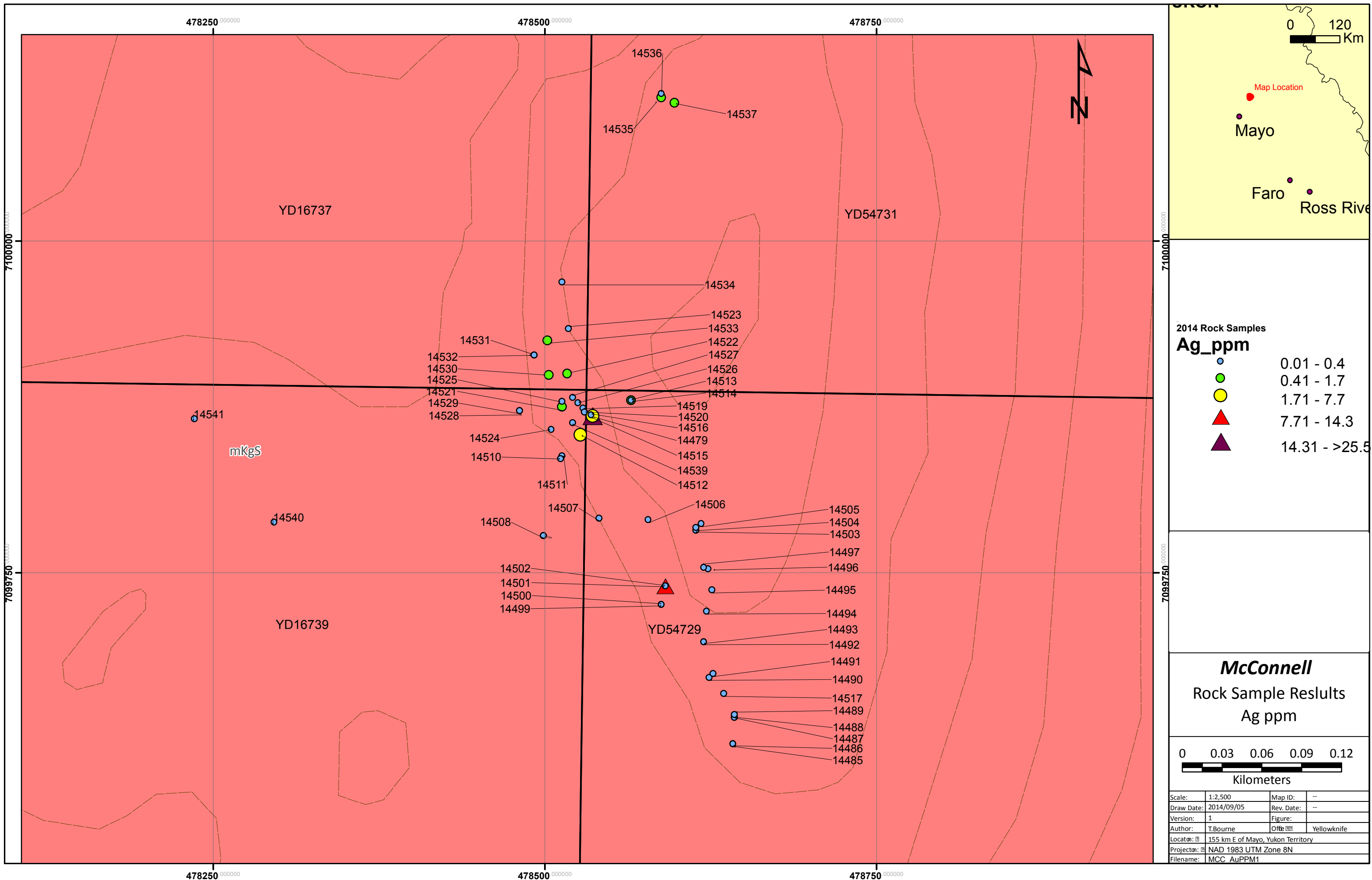


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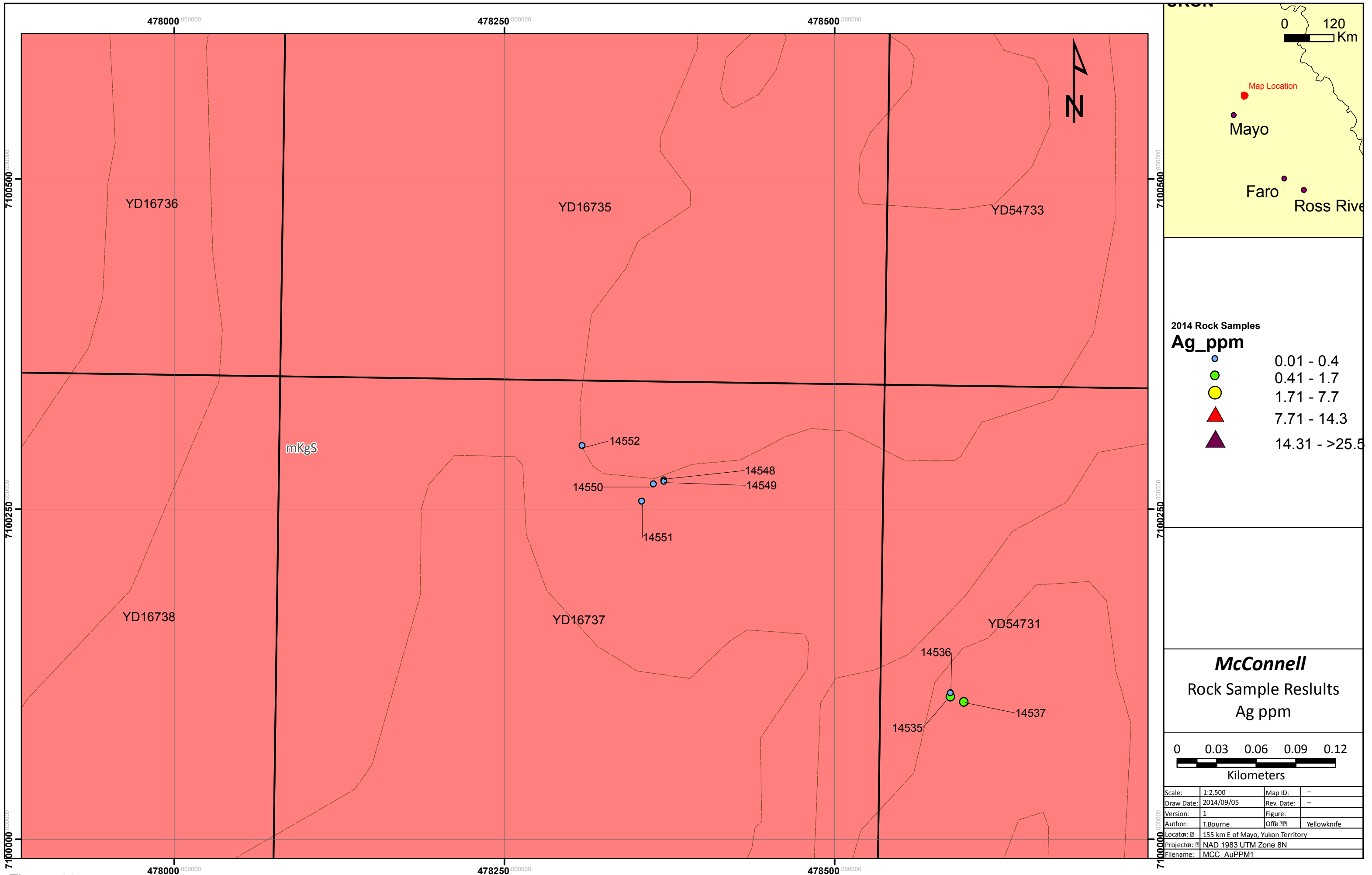
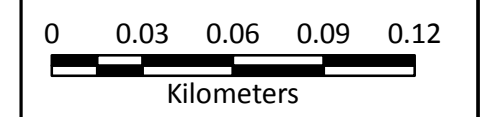


Figure 10

**2014 Rock Samples**  
**Ag\_ppm**

	0.01 - 0.4
	0.41 - 1.7
	1.71 - 7.7
	7.71 - 14.3
	14.31 - >25.5

**McConnell**  
Rock Sample Results  
Ag ppm



Scale:	1:2,500	Map ID:	--
Draw Date:	2014/09/05	Rev. Date:	--
Version:	1	Figure:	
Author:	T.Bourne	Office:	Yellowknife
Location:	155 km E of Mayo, Yukon Territory		
Projection:	NAD 1983 UTM Zone 8N		
Filename:	MCC_AuPPM1		

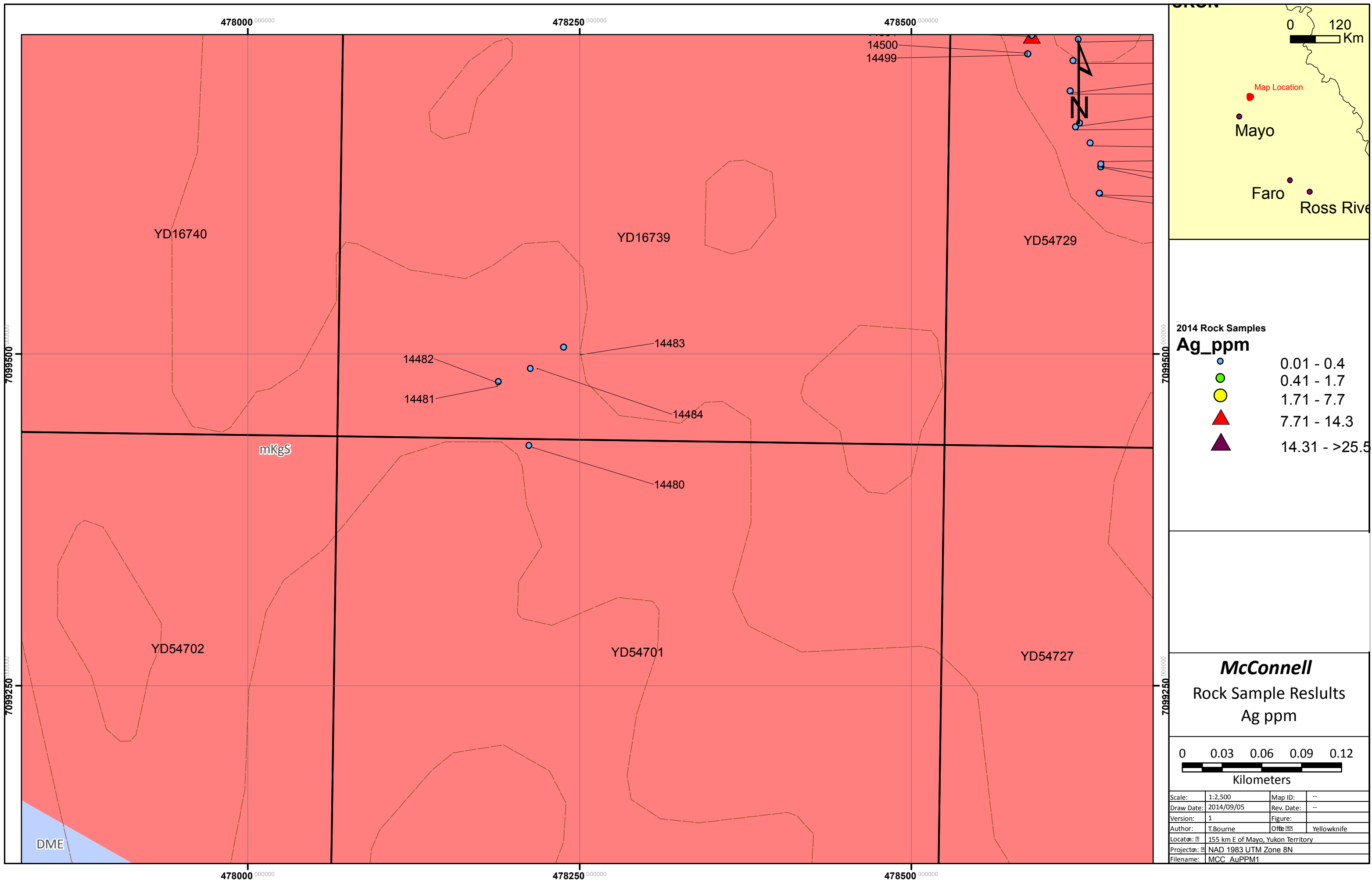


Figure 11

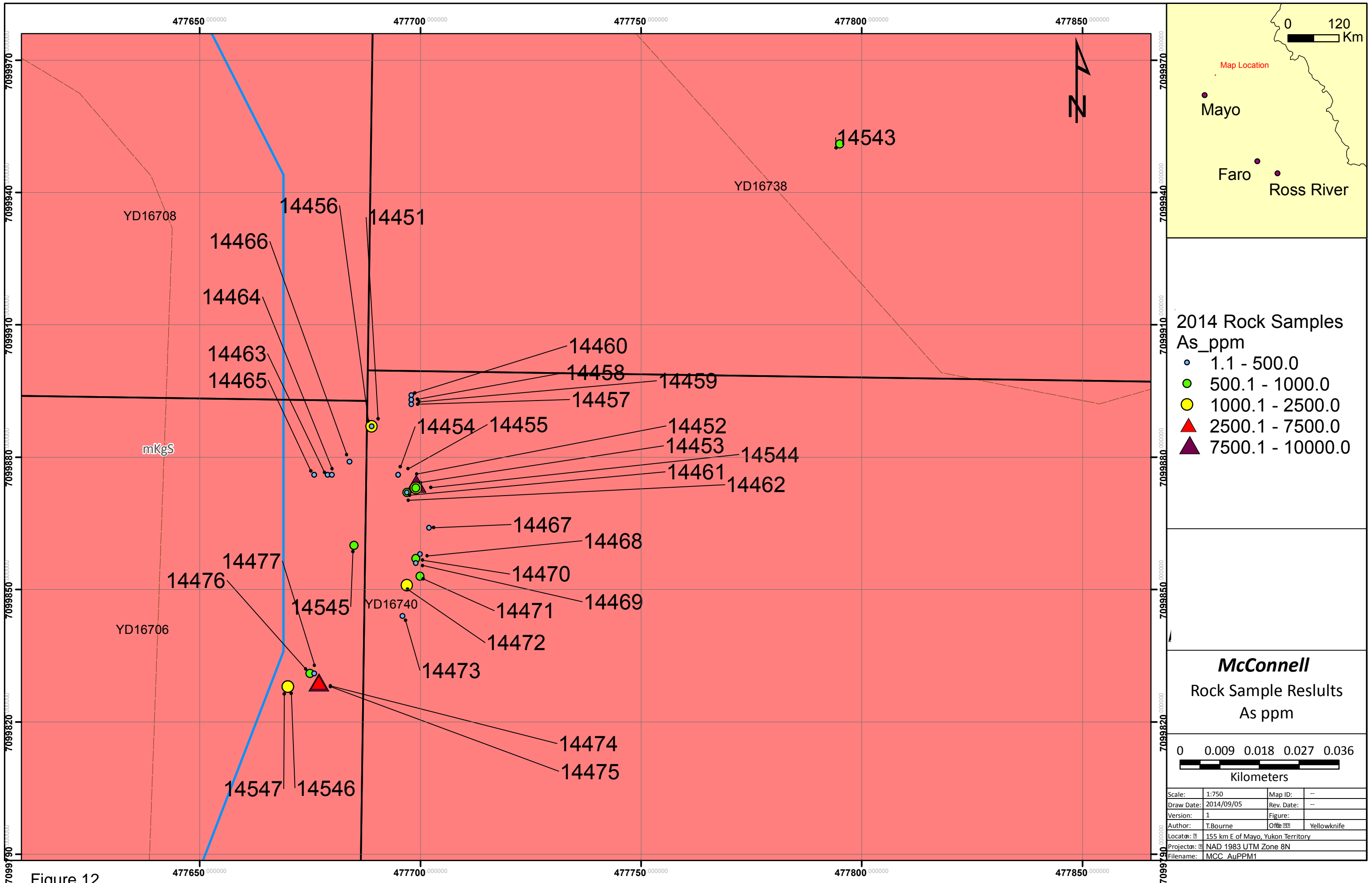
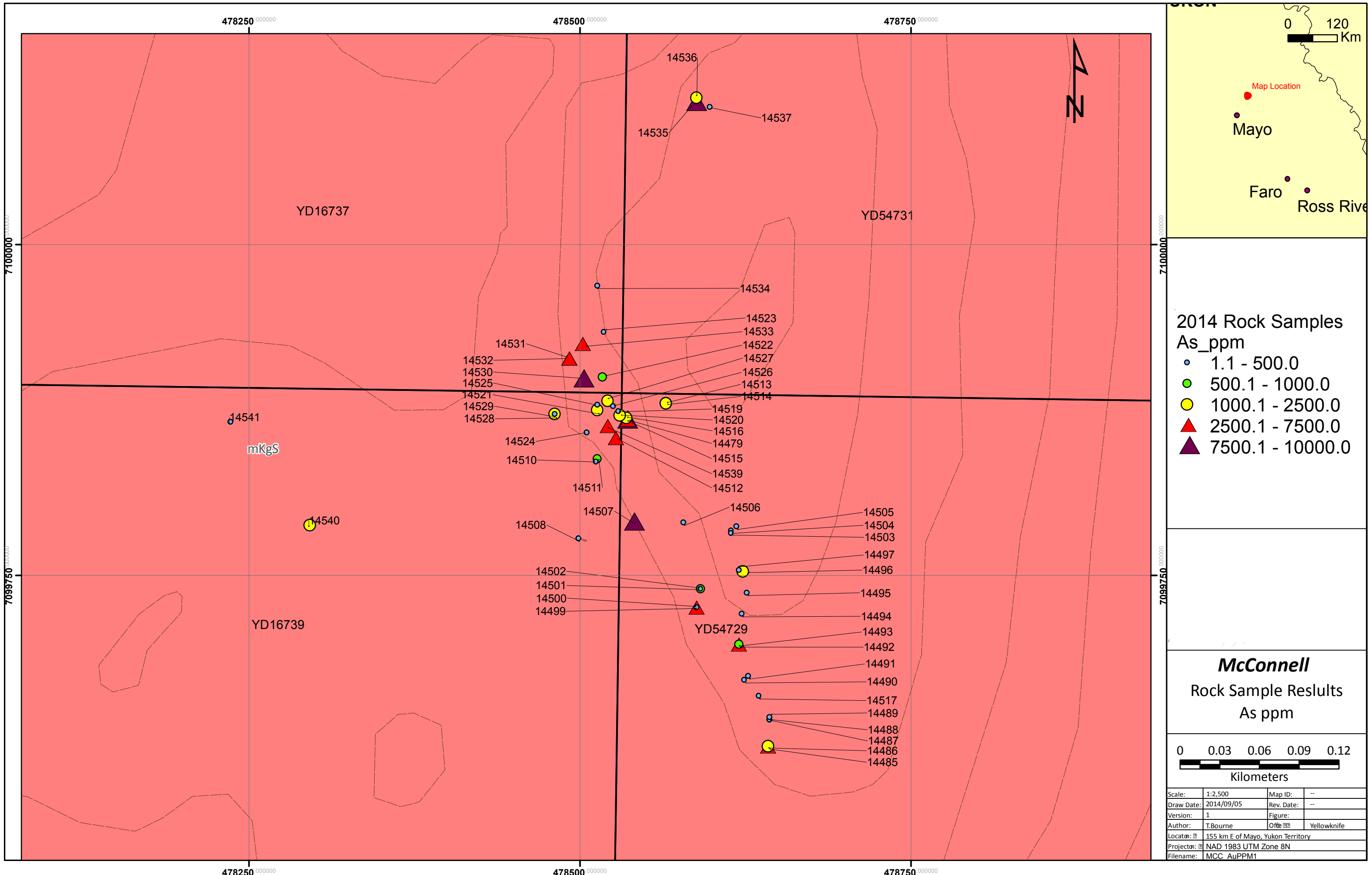


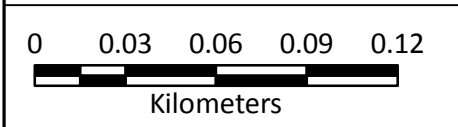
Figure 12



**2014 Rock Samples**  
**As\_ppm**

- 1.1 - 500.0
- 500.1 - 1000.0
- 1000.1 - 2500.0
- ▲ 2500.1 - 7500.0
- ▲ 7500.1 - 10000.0

**McConnell**  
**Rock Sample Results**  
**As ppm**



Scale:	1:2,500	Map ID:	--
Draw Date:	2014/09/05	Rev. Date:	--
Version:	1	Figure:	--
Author:	T.Bourne	Office:	Yellowknife
Location:	155 km E of Mayo, Yukon Territory		
Projection:	NAD 1983 UTM Zone 8N		
Filename:	MCC_AuPPM1		

Figure 13

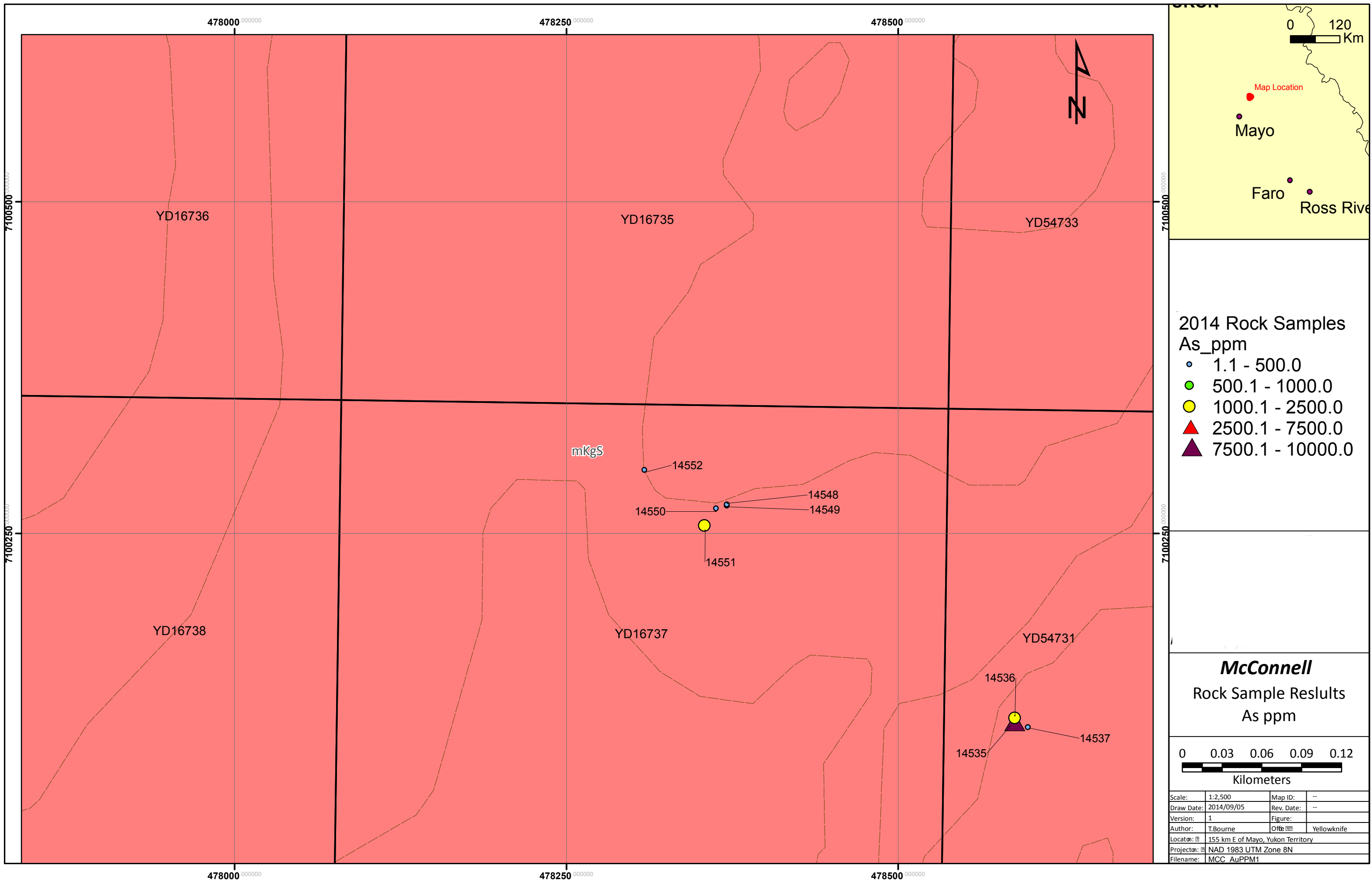


Figure 14

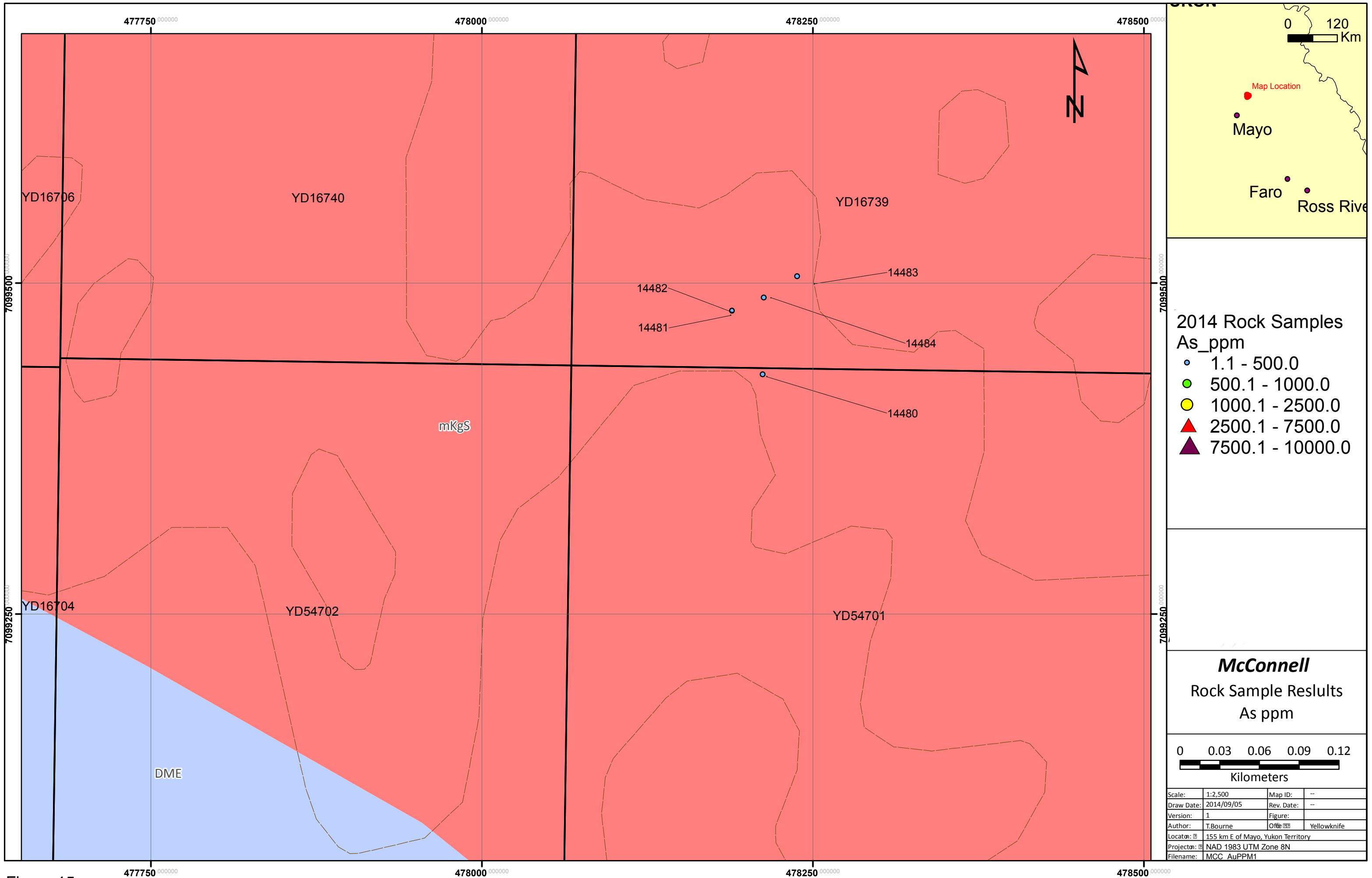


Figure 15

# Appendix 1

I, Tyler Bourne, of the city of Yellowknife, in the Northwest Territories, do hereby certify that:

- 1) I graduated from the University of British Columbia with a Bachelor of Science in Earth and Environmental Science in 2009.
- 2) I have been actively engaged in the mineral exploration and mining in Canada since 2007.
- 3) Between 2009 and 2013 I practiced geology in the Yukon Territory, with a focus on gold exploration.
- 4) The owner and operator of the McConnells Jest claims, Bill Koe-Carson, has authorized my access to, and provided me with, the data to compile this report at his request.
- 5) I am a member of the Society of Economic Geologists, membership number 900396.
- 6) The information for this report is based on information as itemized in the reference section of this report, and from the works of the owner and operator and others performed on the McConnells Jest claims from June 9<sup>th</sup> – July 25<sup>th</sup> of 2014.

Dated this 9<sup>th</sup> day of September 2014

Respectfully submitted



Tyler Bourne, B.Sc.

## Appendix 2

**McConnells Jest Project Statement of Expenditures**  
**May 1, 2015**

**Work Performed June 7 - July 27, 2014 / September 5 - 7, 2014**

<b>Expenditure (Yukon)</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Per</b>	<b>Cost</b>
<b>Personel</b>				
Program Manager / Prospector	47	\$ 575.00	day	\$ 27,025.00
Field Assisstant	47	\$ 375.00	day	\$ 17,625.00
<b>Transportation</b>				
Trans North - Jet Ranger				
14-Jul	0.8	\$ 1,100.00	hour	\$ 880.00
Truck rental	47	\$ 75.00	day	\$ 3,525.00
<b>Consumables</b>				
Jet B Helicopter fuel	91.2	\$ 1.50	litre	\$ 136.80
Vehicle Fuel (Yukon border - McQuesten Lakes return)	170	\$ 1.28	litre	\$ 217.60
Communication (radios/sat phones)	2	\$ 69.95	month	\$ 139.90
Prepared Meals (Totals for Yukon)	1	\$ 223.74	All	\$ 223.74
Field Supplies (Whitehorse)				\$ 74.25
<b>Analytical</b>				
Rock Samples	102	\$ 37.81	sample	\$ 3,856.62
Soil Samples	0	\$ -	sample	\$ -
Silt Samples	0	\$ -	sample	\$ -
<b>Report</b>				
Report writing cost	1		\$	600.00
<b>Total</b>			<b>\$</b>	<b>54,303.91</b>

Signed,

Title,

## Appendix 3







## Appendix 4



www.acmelab.com

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **William Koe-Carson**  
Box 387  
White Fox SK S0J 3B0 CANADA

Submitted By: William Koe-Carson  
Receiving Lab: Canada-Whitehorse  
Received: July 24, 2014  
Report Date: August 13, 2014  
Page: 1 of 5

## CERTIFICATE OF ANALYSIS

WHI14000057.1

### CLIENT JOB INFORMATION

Project: McConnell  
Shipment ID:  
P.O. Number  
Number of Samples: 102

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: William Koe-Carson  
Box 387  
White Fox SK S0J 3B0  
CANADA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	102	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	102	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	102	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
G6Gr	2	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
14451	Rock	0.59	0.811	0.4	258.8	63.4	36	0.6	1.5	0.8	267	8.87	1768.5	180.4	2.8	10	0.2	4.8	41.2	<2	0.05
14452	Rock	0.77	0.010	0.6	9.2	3.0	54	<0.1	1.9	3.5	832	0.95	1277.0	13.0	16.0	74	0.3	0.8	0.5	<2	2.06
14453	Rock	0.75	0.008	0.2	27.3	1.7	55	<0.1	2.5	3.0	802	2.43	585.5	2.6	13.8	6	0.3	0.3	0.2	<2	0.09
14454	Rock	0.68	<0.005	<0.1	2.9	1.3	10	<0.1	1.4	0.6	327	0.51	80.8	2.0	1.8	10	0.1	0.3	<0.1	<2	0.60
14455	Rock	0.38	<0.005	0.2	5.6	2.5	17	<0.1	5.3	1.8	295	0.29	29.8	1.8	17.2	32	0.8	0.6	0.4	<2	0.89
14456	Rock	1.02	<0.005	0.3	18.6	7.6	34	<0.1	2.3	3.1	563	1.75	397.6	<0.5	15.7	63	<0.1	0.6	<0.1	8	1.94
14457	Rock	0.68	<0.005	0.4	1.7	4.2	19	<0.1	2.2	1.4	612	1.27	11.4	0.7	4.4	77	<0.1	0.1	<0.1	3	3.46
14458	Rock	0.36	<0.005	0.2	1.6	8.7	11	<0.1	3.3	1.3	291	0.92	7.8	<0.5	5.9	83	0.1	0.2	<0.1	3	2.80
14459	Rock	0.48	<0.005	0.2	1.3	18.0	46	<0.1	2.2	4.1	379	0.92	35.4	0.6	15.4	164	0.1	0.2	<0.1	3	3.27
14460	Rock	0.75	<0.005	0.3	1.0	3.7	16	<0.1	4.0	1.5	1933	2.76	16.0	0.6	6.5	228	0.2	0.2	<0.1	5	11.53
14461	Rock	0.25	0.010	<0.1	1.7	3.5	10	<0.1	2.7	1.5	60	0.30	343.7	20.6	0.7	30	0.2	0.4	0.8	<2	0.55
14462	Rock	1.08	0.012	<0.1	1.4	2.2	10	<0.1	3.2	1.4	2181	2.15	705.6	18.9	22.2	99	0.1	1.1	0.2	<2	3.89
14463	Rock	0.96	<0.005	0.1	2.1	1.6	12	<0.1	2.0	0.9	61	0.39	4.3	<0.5	0.8	6	0.2	0.3	<0.1	8	0.09
14464	Rock	0.47	<0.005	0.1	1.4	1.5	8	<0.1	0.5	0.2	28	0.19	1.1	<0.5	0.6	4	<0.1	0.1	<0.1	<2	0.02
14465	Rock	0.73	<0.005	<0.1	1.4	1.0	7	<0.1	0.5	0.1	69	0.20	3.5	<0.5	0.7	4	0.1	0.2	<0.1	<2	0.13
14466	Rock	0.30	<0.005	0.5	1.0	13.1	34	<0.1	2.3	4.7	391	1.92	5.8	<0.5	20.6	51	0.2	0.7	<0.1	4	1.35
14467	Rock	1.08	0.039	0.3	19.1	3.4	120	0.1	2.7	0.9	1000	1.18	123.0	3.6	3.4	78	0.6	0.8	1.5	<2	1.67
14468	Rock	0.53	0.013	0.2	13.3	4.0	100	<0.1	3.0	1.9	369	1.18	418.2	<0.5	6.9	33	0.8	0.5	0.4	<2	0.58
14469	Rock	0.15	<0.005	0.2	2.0	0.9	7	<0.1	1.6	0.3	383	0.56	40.6	<0.5	2.6	20	<0.1	0.3	<0.1	<2	0.59
14470	Rock	0.61	0.005	0.5	56.9	4.5	21	<0.1	3.7	3.4	992	2.15	885.5	<0.5	15.2	7	0.3	0.5	0.2	<2	0.12
14471	Rock	0.35	0.013	0.9	218.2	13.9	49	0.4	6.1	5.1	924	5.89	521.4	7.8	12.5	8	0.1	1.4	1.2	3	0.15
14472	Rock	0.51	0.020	0.6	171.0	5.1	22	0.3	5.1	3.0	506	5.40	2314.4	18.7	8.9	10	0.2	2.0	5.3	<2	0.07
14473	Rock	0.61	<0.005	0.1	3.8	1.1	5	<0.1	1.8	0.4	420	0.61	238.5	<0.5	4.5	6	<0.1	0.1	<0.1	<2	0.11
14474	Rock	0.89	>10	2.5	50.2	514.8	8	7.7	19.0	63.3	26	19.64	>10000	35566.1	2.9	23	0.1	214.7	626.1	<2	0.02
14475	Rock	0.78	0.509	0.4	11.2	18.9	22	0.2	7.5	25.6	974	2.13	5111.6	325.8	16.0	9	0.1	3.8	25.0	<2	0.20
14476	Rock	0.58	0.023	0.5	3.5	4.1	12	<0.1	4.7	1.9	1634	2.30	501.3	11.5	7.7	64	<0.1	0.6	0.9	3	1.59
14477	Rock	0.55	0.016	0.2	6.4	5.3	65	<0.1	2.8	2.3	669	1.11	489.9	28.7	14.9	6	0.3	0.6	1.3	3	0.09
14478	Rock	0.32	<0.005	<0.1	0.3	0.1	<1	<0.1	0.6	0.4	23	0.04	14.4	6.3	<0.1	4122	<0.1	<0.1	<0.1	<2	34.70
14479	Rock	0.47	1.157	0.2	16.9	52.5	27	3.2	0.3	1.2	28	1.68	7454.6	1041.1	8.1	35	0.2	6.6	47.9	<2	0.23
14480	Rock	0.58	0.016	<0.1	1.1	1.3	3	<0.1	1.7	0.6	301	0.38	209.9	11.7	10.3	25	<0.1	0.2	0.5	<2	0.64

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9
14451	Rock	0.009	3	1	0.02	34	<0.001	<20	0.12	0.007	0.07	<0.1	0.02	0.8	<0.1	0.16	<1	1.1	<0.2		
14452	Rock	0.051	21	1	0.05	114	<0.001	<20	0.35	0.010	0.25	0.7	0.02	1.0	<0.1	0.10	<1	<0.5	<0.2		
14453	Rock	0.041	19	<1	0.03	121	<0.001	<20	0.33	0.009	0.26	0.8	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2		
14454	Rock	0.005	14	2	0.17	42	<0.001	<20	0.11	0.007	0.07	0.9	<0.01	2.0	<0.1	<0.05	<1	<0.5	<0.2		
14455	Rock	0.053	16	4	0.03	112	0.002	<20	0.37	0.010	0.25	0.2	0.01	0.7	<0.1	<0.05	1	<0.5	<0.2		
14456	Rock	0.050	26	4	0.31	169	0.042	<20	0.85	0.026	0.38	0.4	<0.01	1.5	0.2	<0.05	3	<0.5	<0.2		
14457	Rock	0.016	41	2	1.08	40	0.002	<20	0.17	0.019	0.10	<0.1	<0.01	4.0	<0.1	<0.05	<1	<0.5	<0.2		
14458	Rock	0.018	13	2	0.55	22	0.004	<20	0.17	0.023	0.05	<0.1	<0.01	1.8	<0.1	<0.05	<1	<0.5	<0.2		
14459	Rock	0.050	26	2	0.34	103	0.002	<20	0.39	0.027	0.22	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2		
14460	Rock	0.025	5	2	3.96	51	0.002	<20	0.20	0.020	0.14	<0.1	<0.01	18.3	<0.1	<0.05	<1	0.8	<0.2		
14461	Rock	0.001	<1	1	0.03	20	<0.001	<20	0.06	0.005	0.04	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2		
14462	Rock	0.084	4	<1	0.89	74	<0.001	<20	0.31	0.008	0.25	0.3	0.02	3.7	<0.1	<0.05	<1	<0.5	<0.2		
14463	Rock	0.004	2	2	0.19	8	0.026	<20	0.17	0.009	0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2		
14464	Rock	0.001	<1	1	0.02	4	0.002	<20	0.03	0.007	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
14465	Rock	0.003	2	1	<0.01	9	<0.001	<20	0.05	0.001	0.02	<0.1	0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2		
14466	Rock	0.056	43	3	0.17	87	0.006	<20	0.48	0.035	0.20	<0.1	<0.01	2.5	<0.1	<0.05	2	<0.5	<0.2		
14467	Rock	0.011	7	1	0.14	84	<0.001	<20	0.13	0.006	0.10	0.1	0.02	1.5	<0.1	<0.05	<1	<0.5	<0.2		
14468	Rock	0.023	27	2	0.03	84	<0.001	<20	0.22	0.007	0.15	0.1	0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2		
14469	Rock	0.013	5	2	0.06	41	<0.001	<20	0.14	0.007	0.09	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2		
14470	Rock	0.047	16	1	0.03	147	<0.001	<20	0.38	0.011	0.30	0.4	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2		
14471	Rock	0.035	15	2	0.04	140	0.001	<20	0.40	0.010	0.27	0.2	0.02	1.3	<0.1	0.15	<1	<0.5	<0.2		
14472	Rock	0.020	18	2	0.03	113	0.001	<20	0.27	0.008	0.20	0.6	0.02	1.2	<0.1	0.17	<1	0.7	<0.2		
14473	Rock	0.014	29	1	0.03	53	<0.001	<20	0.15	0.020	0.08	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2		
14474	Rock	0.010	14	1	<0.01	83	<0.001	<20	0.06	0.008	0.08	0.1	0.23	0.3	<0.1	3.74	<1	7.8	0.4	28.8	
14475	Rock	0.040	19	1	0.03	126	<0.001	<20	0.39	0.010	0.29	0.1	0.02	0.9	0.1	0.22	<1	<0.5	<0.2		
14476	Rock	0.019	17	2	0.38	69	<0.001	<20	0.17	0.014	0.10	<0.1	0.03	2.4	<0.1	<0.05	<1	<0.5	<0.2		
14477	Rock	0.039	21	2	0.08	152	0.004	<20	0.49	0.018	0.29	0.2	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2		
14478	Rock	0.003	<1	<1	1.91	3	<0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.1	<0.1	0.09	<1	<0.5	0.4		
14479	Rock	0.039	13	1	0.02	126	<0.001	<20	0.26	0.015	0.26	0.2	0.02	0.4	<0.1	0.12	<1	<0.5	<0.2		
14480	Rock	0.032	19	1	0.08	62	<0.001	<20	0.24	0.033	0.13	0.3	<0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2		

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
14481	Rock	0.58	0.010	<0.1	0.7	0.7	6	<0.1	3.4	0.9	168	0.42	207.5	24.2	1.8	21	<0.1	0.5	0.1	4	0.82
14482	Rock	0.48	0.007	<0.1	0.6	1.5	6	<0.1	3.6	1.5	618	0.60	376.3	4.8	9.8	111	<0.1	0.2	0.1	<2	3.33
14483	Rock	0.63	<0.005	0.1	1.0	2.8	19	<0.1	1.9	0.9	374	0.49	69.1	4.5	17.7	87	<0.1	0.6	<0.1	2	2.48
14484	Rock	0.62	0.159	0.5	25.3	7.8	31	0.3	2.3	3.1	600	1.30	23.0	43.8	12.4	38	0.5	0.5	3.2	<2	1.05
14485	Rock	0.36	0.028	1.2	75.4	2.8	18	<0.1	3.9	32.9	199	5.32	3438.7	19.3	8.5	17	0.3	1.4	0.8	3	0.09
14486	Rock	0.64	<0.005	0.2	16.7	1.8	14	<0.1	5.6	34.7	859	1.84	2002.0	<0.5	12.8	12	0.2	0.7	0.2	<2	0.17
14487	Rock	0.57	<0.005	0.1	3.8	3.4	25	<0.1	3.0	1.8	118	0.50	59.2	2.4	2.7	11	0.2	0.2	<0.1	2	0.10
14488	Rock	0.55	<0.005	0.2	3.2	9.4	42	<0.1	3.6	5.0	229	1.90	42.7	<0.5	15.9	48	0.2	0.2	<0.1	17	0.49
14489	Rock	0.88	<0.005	0.2	4.7	2.9	32	<0.1	2.6	3.9	604	1.55	17.9	<0.5	16.8	24	0.3	0.3	<0.1	4	0.53
14490	Rock	0.63	<0.005	0.2	11.7	3.3	21	<0.1	2.3	5.0	390	1.05	375.1	1.0	20.1	117	0.1	0.6	<0.1	6	3.07
14491	Rock	0.49	<0.005	<0.1	2.2	11.3	58	<0.1	3.4	5.4	345	2.23	6.2	<0.5	17.2	67	0.2	<0.1	<0.1	22	0.48
14492	Rock	0.41	0.043	0.8	60.7	3.1	11	<0.1	2.8	34.1	471	4.17	3494.5	15.6	13.6	20	0.2	1.4	0.2	<2	0.10
14493	Rock	0.53	<0.005	0.8	22.9	2.7	20	<0.1	2.9	16.4	604	1.93	641.8	1.1	15.1	15	<0.1	0.4	0.1	4	0.29
14494	Rock	0.17	<0.005	0.2	2.9	16.7	64	<0.1	3.8	4.6	404	2.24	31.4	<0.5	18.6	40	<0.1	0.2	0.3	17	0.36
14495	Rock	0.20	<0.005	0.2	3.1	16.4	37	<0.1	2.8	4.6	603	1.51	15.4	<0.5	19.9	33	0.2	0.3	0.1	5	0.55
14496	Rock	0.46	0.098	0.5	17.8	4.1	9	<0.1	1.8	3.9	853	1.81	1017.2	16.1	16.7	7	<0.1	0.4	0.4	<2	0.09
14497	Rock	0.24	<0.005	0.6	1.8	7.6	67	<0.1	1.9	1.2	544	0.92	34.3	<0.5	13.8	5	0.5	0.2	0.2	3	0.08
14498	Rock	0.55	<0.005	<0.1	1.2	0.4	5	<0.1	0.1	0.2	22	0.03	3.5	1.4	<0.1	4635	0.1	<0.1	<0.1	<2	34.02
14499	Rock	0.78	0.249	0.7	57.7	5.7	12	0.2	1.8	5.9	144	3.33	3917.0	983.9	0.5	13	0.1	2.0	0.5	<2	0.09
14500	Rock	0.38	0.049	0.7	20.9	2.6	23	<0.1	3.3	2.9	694	1.14	424.7	4.9	15.8	13	0.2	0.3	0.1	<2	0.41
14501	Rock	0.24	0.302	4.2	77.3	663.0	3934	14.3	39.3	12.1	7182	8.97	982.0	367.6	5.7	305	37.2	29.5	5.9	2	14.04
14502	Rock	0.49	0.017	0.2	2.4	10.1	148	0.1	1.4	0.8	682	0.80	44.0	7.5	19.6	81	1.2	0.2	<0.1	<2	2.52
14503	Rock	0.55	<0.005	<0.1	0.4	8.0	8	<0.1	1.0	0.5	432	0.25	5.6	<0.5	20.4	442	<0.1	0.2	<0.1	<2	12.88
14504	Rock	0.38	<0.005	<0.1	1.3	2.9	34	<0.1	23.6	1.2	331	1.62	12.9	2.6	2.8	22	<0.1	0.6	<0.1	47	0.56
14505	Rock	0.27	<0.005	0.2	0.6	21.2	35	0.2	3.3	1.4	362	0.64	17.3	0.5	18.2	40	<0.1	0.3	0.4	5	0.76
14506	Rock	0.38	0.022	1.2	56.5	36.3	122	0.3	5.7	6.8	822	3.78	186.0	9.9	15.1	32	0.3	0.6	1.0	<2	0.55
14507	Rock	0.30	0.038	0.6	42.2	4.8	14	<0.1	3.6	18.2	407	2.47	8861.1	33.7	15.2	17	0.2	3.1	0.7	<2	0.89
14508	Rock	0.17	<0.005	0.5	1.9	3.6	25	<0.1	2.0	0.7	773	0.94	23.6	0.8	1.6	8	0.2	0.2	<0.1	2	0.08
14509	Rock	0.43	0.006	0.4	3.1	2.6	8	<0.1	2.0	1.4	818	1.05	32.2	2.5	13.7	11	0.1	0.2	<0.1	<2	0.20
14510	Rock	0.36	<0.005	0.4	2.2	5.7	17	<0.1	3.7	4.7	520	1.51	15.7	<0.5	17.4	11	<0.1	0.4	<0.1	3	0.16

# CERTIFICATE OF ANALYSIS

WHI1400057.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.9	
14481	Rock	0.007	2	1	0.16	34	<0.001	<20	0.12	0.008	0.06	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	
14482	Rock	0.046	13	1	0.45	99	<0.001	<20	0.28	0.012	0.24	0.3	<0.01	1.7	<0.1	<0.05	<1	<0.5	<0.2	
14483	Rock	0.054	35	2	0.06	99	<0.001	<20	0.36	0.029	0.19	0.2	<0.01	1.3	<0.1	<0.05	<1	<0.5	<0.2	
14484	Rock	0.050	21	2	0.05	179	0.001	<20	0.50	0.028	0.31	0.3	<0.01	1.0	<0.1	<0.05	1	0.7	<0.2	
14485	Rock	0.019	20	<1	0.10	90	0.002	<20	0.38	0.012	0.22	0.1	<0.01	0.9	0.1	0.06	1	0.8	<0.2	
14486	Rock	0.053	20	2	0.03	190	<0.001	<20	0.36	0.013	0.28	0.3	0.01	1.0	<0.1	<0.05	1	<0.5	<0.2	
14487	Rock	0.013	5	2	0.08	29	0.002	<20	0.23	0.008	0.06	42.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2	
14488	Rock	0.052	34	8	0.53	256	0.117	<20	1.31	0.091	0.60	15.4	<0.01	2.8	0.4	<0.05	6	0.8	<0.2	
14489	Rock	0.057	31	3	0.14	184	0.005	<20	0.55	0.025	0.27	0.4	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2	
14490	Rock	0.077	35	3	0.21	115	0.014	<20	0.56	0.050	0.21	25.9	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2	
14491	Rock	0.057	38	10	0.62	304	0.179	<20	1.71	0.151	0.90	0.4	<0.01	3.1	0.4	<0.05	7	<0.5	<0.2	
14492	Rock	0.040	15	2	0.04	127	0.001	<20	0.41	0.016	0.24	0.3	<0.01	0.9	0.2	0.05	1	<0.5	<0.2	
14493	Rock	0.050	25	3	0.15	223	0.008	<20	0.58	0.021	0.34	0.1	<0.01	1.4	0.1	<0.05	2	<0.5	<0.2	
14494	Rock	0.050	37	8	0.58	191	0.114	<20	1.46	0.078	0.55	0.2	<0.01	2.2	0.3	<0.05	6	<0.5	<0.2	
14495	Rock	0.051	38	3	0.31	163	0.005	<20	0.91	0.035	0.33	0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2	
14496	Rock	0.035	18	2	0.04	149	0.001	<20	0.45	0.019	0.30	0.2	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2	
14497	Rock	0.041	3	2	0.02	139	0.001	<20	0.42	0.016	0.27	0.2	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2	
14498	Rock	0.003	<1	<1	1.85	4	<0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	0.10	<1	<0.5	0.3	
14499	Rock	0.003	4	2	<0.01	21	<0.001	<20	0.05	0.007	0.03	<0.1	0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
14500	Rock	0.053	20	1	0.05	215	0.001	<20	0.46	0.015	0.32	0.3	0.01	0.8	0.1	<0.05	1	<0.5	<0.2	
14501	Rock	0.026	14	2	0.54	131	0.001	<20	0.22	0.007	0.13	<0.1	0.16	7.2	0.1	<0.05	<1	1.4	<0.2	
14502	Rock	0.068	10	<1	0.04	159	<0.001	<20	0.47	0.011	0.31	0.2	<0.01	0.8	0.1	<0.05	1	<0.5	<0.2	
14503	Rock	0.062	141	1	0.14	34	0.002	<20	0.38	0.066	0.09	28.3	<0.01	1.4	<0.1	<0.05	1	<0.5	<0.2	
14504	Rock	0.009	5	9	1.14	31	0.008	<20	0.92	0.016	0.08	<0.1	<0.01	6.4	<0.1	<0.05	6	<0.5	<0.2	
14505	Rock	0.069	32	3	0.17	112	0.004	<20	0.52	0.054	0.20	0.2	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2	
14506	Rock	0.041	20	2	0.06	171	0.001	<20	0.42	0.021	0.30	0.2	<0.01	1.2	0.2	<0.05	1	<0.5	<0.2	
14507	Rock	0.052	17	2	0.06	206	0.001	<20	0.57	0.011	0.35	0.3	0.01	1.0	0.1	0.28	2	<0.5	<0.2	
14508	Rock	0.008	17	3	0.02	114	0.001	<20	0.16	0.007	0.09	0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2	
14509	Rock	0.047	22	2	0.05	182	0.001	<20	0.45	0.016	0.31	0.2	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2	
14510	Rock	0.059	27	3	0.17	188	0.002	<20	0.60	0.028	0.35	<0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2	

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
14511	Rock	0.44	1.490	1.3	90.1	12.0	41	0.1	1.7	3.7	459	3.27	746.3	513.2	13.7	15	0.2	1.2	6.2	<2	0.09
14512	Rock	0.49	0.268	1.0	77.2	12.3	71	2.7	1.5	3.9	361	2.70	3710.8	84.2	14.0	19	0.7	2.2	8.7	<2	0.07
14513	Rock	0.47	0.118	0.6	246.7	104.1	37	0.8	8.0	4.8	1115	7.44	1465.7	37.2	15.7	19	<0.1	2.6	48.1	<2	0.07
14514	Rock	0.62	0.019	0.6	122.1	7.8	12	0.1	2.3	2.8	386	5.28	1988.6	16.1	22.7	42	<0.1	0.7	1.9	<2	0.07
14515	Rock	0.93	3.497	0.3	69.3	208.1	90	25.5	1.2	5.1	253	2.71	9914.1	3417.6	11.5	15	0.9	18.6	197.4	<2	0.23
14516	Rock	0.40	0.125	0.9	76.9	2.7	17	<0.1	0.7	7.4	302	2.52	1956.1	229.9	15.3	16	<0.1	0.8	1.6	<2	0.06
14517	Rock	0.22	0.006	1.4	25.6	5.0	93	<0.1	444.6	59.0	1095	7.23	108.2	6.6	4.6	611	0.2	0.2	0.7	113	5.27
14518	Rock	0.57	<0.005	<0.1	0.7	0.3	2	<0.1	0.6	0.4	17	0.02	7.8	<0.5	<0.1	4943	<0.1	<0.1	<0.1	<2	34.58
14519	Rock	0.53	0.005	0.5	28.1	4.4	73	0.2	3.3	2.5	475	1.60	151.0	7.2	11.7	24	1.0	0.6	0.6	2	0.46
14520	Rock	0.42	0.051	0.8	25.7	10.2	207	0.1	1.4	1.4	1851	2.77	1022.3	93.0	8.1	45	3.5	0.9	1.6	<2	2.33
14521	Rock	0.76	0.841	0.5	46.1	91.6	24	0.9	1.0	2.5	127	2.00	1499.2	3178.7	4.8	12	0.2	2.1	37.6	<2	0.08
14522	Rock	0.29	3.582	1.8	165.0	51.2	11	0.8	3.4	6.9	184	6.20	564.9	4886.5	7.7	33	0.2	4.7	40.0	3	0.42
14523	Rock	0.68	0.112	0.7	41.9	1.4	40	<0.1	1.8	0.7	166	1.40	37.9	8.9	0.5	2	0.2	0.5	0.4	<2	0.02
14524	Rock	0.42	0.052	0.3	8.0	5.2	22	<0.1	2.2	3.3	766	1.69	52.8	316.7	13.8	59	0.1	0.3	0.9	4	1.19
14525	Rock	0.34	0.016	0.3	17.4	5.2	18	<0.1	2.3	2.4	608	1.72	29.5	7.1	13.5	128	<0.1	0.5	0.8	3	2.37
14526	Rock	0.29	0.134	0.5	84.6	2.2	5	0.1	1.4	1.4	520	2.72	253.1	18.6	12.3	4	<0.1	0.3	1.0	<2	0.11
14527	Rock	0.35	0.942	0.5	123.4	14.5	18	<0.1	3.6	7.2	728	5.26	1437.1	29.7	9.7	5	<0.1	0.5	0.7	<2	0.12
14528	Rock	0.53	1.663	0.2	25.7	12.7	32	0.2	3.3	6.2	547	1.25	1499.2	1359.8	10.2	19	<0.1	0.8	28.1	<2	0.76
14529	Rock	0.40	0.028	0.4	12.6	8.1	29	<0.1	3.0	3.4	487	1.61	59.6	24.4	14.6	74	<0.1	0.4	1.9	6	1.33
14530	Rock	0.03	7.170	0.9	279.8	163.3	12	1.3	6.2	90.1	132	16.32	>10000	8734.9	6.6	52	0.2	74.4	197.1	<2	0.11
14531	Rock	0.21	2.612	0.7	213.6	27.3	34	0.3	1.1	2.1	226	4.70	3686.4	2358.4	6.4	18	0.1	3.5	24.8	<2	0.12
14532	Rock	0.40	2.722	0.4	85.7	29.5	13	0.3	1.0	2.1	153	3.41	5807.0	2868.4	5.5	16	<0.1	3.2	20.0	<2	0.11
14533	Rock	0.23	5.177	0.3	408.0	48.0	38	1.1	1.3	11.9	>10000	15.14	3731.1	1484.5	3.1	543	0.2	3.1	26.7	<2	17.64
14534	Rock	0.79	0.012	0.2	1.5	4.9	10	<0.1	1.0	1.4	576	1.99	24.7	10.9	1.9	415	<0.1	0.4	0.2	<2	10.85
14535	Rock	0.52	2.239	3.5	47.0	139.1	22	1.2	26.5	300.7	48	7.31	>10000	3046.6	18.7	28	0.2	26.4	11.3	<2	0.14
14536	Rock	0.30	0.015	2.7	7.0	16.8	113	<0.1	1.8	4.6	>10000	16.50	1960.6	16.9	1.9	280	0.4	1.4	0.2	<2	20.03
14537	Rock	0.18	0.035	1.6	127.9	177.0	37	1.7	10.6	25.3	798	6.49	319.8	7.3	11.5	5	0.2	7.9	292.3	<2	0.11
14538	Rock	0.52	<0.005	<0.1	0.3	0.3	<1	<0.1	<0.1	0.4	24	0.03	18.2	<0.5	<0.1	3578	<0.1	<0.1	0.3	<2	36.98
14539	Rock	0.09	0.123	0.6	78.2	2.4	11	<0.1	0.7	3.0	232	2.77	2558.6	40.6	11.3	23	<0.1	0.7	1.8	<2	0.20
14540	Rock	0.40	0.032	0.7	25.4	8.7	27	<0.1	4.2	9.2	1012	2.29	1325.8	31.0	12.4	98	0.1	0.5	3.9	5	1.81

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9
14511	Rock	0.039	18	2	0.02	141	0.001	<20	0.35	0.012	0.28	0.2	<0.01	0.9	0.1	0.05	<1	<0.5	<0.2		
14512	Rock	0.032	21	1	0.03	139	<0.001	<20	0.40	0.010	0.31	0.1	<0.01	0.7	<0.1	0.09	<1	<0.5	<0.2		
14513	Rock	0.043	31	<1	0.03	76	<0.001	<20	0.29	0.013	0.24	0.5	<0.01	1.2	<0.1	0.07	<1	<0.5	<0.2		
14514	Rock	0.047	34	1	0.02	111	<0.001	<20	0.33	0.013	0.32	0.2	<0.01	0.6	<0.1	0.10	<1	<0.5	<0.2		
14515	Rock	0.035	13	1	0.05	130	<0.001	<20	0.33	0.012	0.27	0.2	0.04	0.6	<0.1	0.18	<1	<0.5	<0.2		
14516	Rock	0.047	23	1	0.03	141	0.001	<20	0.40	0.010	0.31	0.1	<0.01	0.8	<0.1	0.05	<1	<0.5	<0.2		
14517	Rock	0.489	43	588	7.15	128	0.012	<20	4.27	<0.001	0.01	<0.1	<0.01	10.5	<0.1	0.08	14	1.0	<0.2		
14518	Rock	0.004	<1	<1	1.60	5	<0.001	<20	0.03	0.002	<0.01	<0.1	<0.01	0.2	<0.1	0.08	<1	<0.5	0.3		
14519	Rock	0.050	10	4	0.19	106	0.002	<20	0.55	0.006	0.28	<0.1	<0.01	0.7	0.1	0.07	1	<0.5	<0.2		
14520	Rock	0.036	16	2	0.19	89	<0.001	<20	0.24	0.006	0.20	0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	<0.2		
14521	Rock	0.017	4	1	0.01	61	<0.001	<20	0.15	0.006	0.15	0.3	<0.01	0.3	0.2	0.08	<1	<0.5	<0.2		
14522	Rock	0.033	10	2	0.22	78	0.001	<20	0.41	0.004	0.22	0.5	<0.01	0.7	0.4	0.06	2	<0.5	<0.2		
14523	Rock	0.002	2	1	<0.01	24	<0.001	<20	0.03	0.002	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2		
14524	Rock	0.049	24	3	0.19	162	0.011	<20	0.49	0.017	0.32	<0.1	<0.01	1.2	0.1	<0.05	1	<0.5	<0.2		
14525	Rock	0.051	22	3	0.35	97	0.004	<20	0.65	0.014	0.26	<0.1	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2		
14526	Rock	0.047	10	<1	0.02	86	<0.001	<20	0.27	0.006	0.23	0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2		
14527	Rock	0.045	11	1	0.04	84	<0.001	<20	0.26	0.005	0.21	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2		
14528	Rock	0.046	14	1	0.06	175	0.001	<20	0.33	0.006	0.28	<0.1	<0.01	0.8	0.1	<0.05	<1	<0.5	<0.2		
14529	Rock	0.051	28	4	0.28	160	0.022	<20	0.69	0.017	0.35	<0.1	<0.01	1.7	0.2	<0.05	2	<0.5	<0.2		
14530	Rock	0.016	8	4	0.01	55	0.001	<20	0.18	0.006	0.26	0.1	0.01	0.5	0.5	5.83	<1	0.8	<0.2		
14531	Rock	0.011	14	1	0.02	68	<0.001	<20	0.18	0.005	0.24	0.5	<0.01	0.5	0.1	0.06	<1	<0.5	<0.2		
14532	Rock	0.012	12	1	0.02	65	<0.001	<20	0.18	0.005	0.24	0.4	<0.01	0.5	0.1	0.23	<1	<0.5	<0.2		
14533	Rock	0.009	4	<1	0.87	16	<0.001	<20	0.03	0.005	0.04	<0.1	<0.01	10.5	<0.1	0.25	<1	<0.5	<0.2		
14534	Rock	0.007	6	<1	2.66	229	<0.001	<20	0.10	0.002	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2		
14535	Rock	0.055	1	<1	0.02	97	<0.001	<20	0.21	0.019	0.16	0.2	<0.01	0.5	<0.1	2.42	<1	3.0	1.2		
14536	Rock	0.002	4	<1	1.31	20	<0.001	<20	0.02	0.003	0.02	0.4	<0.01	8.2	<0.1	<0.05	<1	<0.5	<0.2		
14537	Rock	0.033	16	2	0.05	69	0.001	<20	0.29	0.032	0.18	0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2		
14538	Rock	0.003	<1	<1	1.73	4	<0.001	<20	0.01	0.002	<0.01	<0.1	<0.01	0.1	<0.1	0.10	<1	<0.5	<0.2		
14539	Rock	0.043	13	2	0.04	121	<0.001	<20	0.38	0.008	0.30	<0.1	<0.01	0.6	<0.1	0.12	<1	<0.5	<0.2		
14540	Rock	0.051	18	3	0.35	135	0.004	<20	0.77	0.020	0.27	<0.1	<0.01	1.7	0.2	0.06	2	<0.5	<0.2		



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **William Koe-Carson**  
 Box 387  
 White Fox SK S0J 3B0 CANADA

Project: McConnell  
 Report Date: August 13, 2014

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# CERTIFICATE OF ANALYSIS

WHI14000057.1

	Method Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
14541	Rock	0.28	<0.005	7.6	45.8	11.6	37	<0.1	1.7	3.4	248	2.23	10.1	1.2	12.1	42	<0.1	0.1	1.3	15	0.35
14542	Rock	0.35	<0.005	0.1	2.0	1.7	7	<0.1	3.9	0.8	88	0.43	21.1	0.7	0.2	6	<0.1	0.3	0.2	6	0.13
14543	Rock	0.44	<0.005	0.9	27.8	2.6	16	<0.1	4.1	2.9	1107	1.55	538.1	1.3	14.5	7	<0.1	0.4	0.1	<2	0.15
14544	Rock	0.76	>10	1.8	44.4	122.0	16	3.7	31.5	216.2	30	16.93	>10000	15426.8	0.2	10	0.1	118.6	161.3	<2	0.04
14545	Rock	0.38	0.030	0.3	3.4	3.8	24	<0.1	2.1	4.1	534	1.31	655.6	45.2	15.4	10	0.1	0.5	0.3	2	0.22
14546	Rock	0.20	0.106	0.6	119.4	11.7	12	0.2	1.9	1.1	199	4.10	1431.9	109.8	3.6	7	0.1	1.0	0.9	<2	0.03
14547	Rock	0.21	0.023	0.5	74.8	3.0	6	<0.1	1.2	0.5	165	5.06	1583.5	12.5	8.7	21	0.2	0.8	0.6	<2	0.02
14548	Rock	0.34	<0.005	6.8	1.7	121.3	131	0.1	2.4	2.7	956	1.22	38.6	0.9	19.3	9	0.7	0.3	1.7	<2	0.20
14549	Rock	0.25	<0.005	0.1	1.4	8.1	40	<0.1	1.0	1.1	97	0.63	92.4	0.9	6.0	5	<0.1	0.2	0.3	<2	0.05
14550	Rock	0.05	0.241	0.7	28.9	14.7	41	<0.1	6.4	5.3	1151	3.20	174.4	27.1	11.1	8	0.4	0.2	1.2	<2	0.18
14551	Rock	0.08	5.318	1.9	124.4	108.3	40	0.3	4.0	7.6	782	5.50	1032.5	5765.2	8.8	7	0.3	1.5	111.4	4	0.10
14552	Rock	0.26	0.012	0.6	7.9	15.3	22	0.1	17.2	5.3	532	1.01	82.5	12.1	14.2	27	0.2	0.4	0.8	<2	0.45

# CERTIFICATE OF ANALYSIS

WHI14000057.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530			
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au			
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	gm/t			
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9	
14541	Rock	0.039	16	6	0.43	154	0.105	<20	1.06	0.081	0.56	0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2				
14542	Rock	0.002	<1	2	0.11	12	<0.001	<20	0.07	0.005	<0.01	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2				
14543	Rock	0.055	18	2	0.04	163	0.001	<20	0.42	0.011	0.29	0.2	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2				
14544	Rock	0.003	<1	<1	<0.01	19	<0.001	<20	0.01	0.003	0.04	<0.1	0.04	0.3	<0.1	5.81	<1	6.5	0.3	16.5			
14545	Rock	0.041	21	2	0.06	134	0.001	<20	0.39	0.016	0.24	0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2				
14546	Rock	0.008	8	2	0.01	55	<0.001	<20	0.18	0.007	0.11	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2				
14547	Rock	0.009	8	2	0.01	109	<0.001	<20	0.26	0.015	0.24	0.2	<0.01	0.6	0.1	0.13	<1	<0.5	<0.2				
14548	Rock	0.078	19	2	0.10	157	0.002	<20	0.63	0.022	0.35	0.1	0.03	1.5	0.2	<0.05	1	<0.5	<0.2				
14549	Rock	0.020	12	2	0.07	76	0.004	<20	0.29	0.014	0.17	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2				
14550	Rock	0.044	23	3	0.15	196	0.001	<20	0.52	0.006	0.30	0.1	<0.01	1.2	0.1	<0.05	1	<0.5	<0.2				
14551	Rock	0.041	19	4	0.31	162	0.002	<20	0.96	0.019	0.37	0.2	0.01	1.8	0.2	<0.05	3	0.6	<0.2				
14552	Rock	0.048	24	1	0.05	140	<0.001	<20	0.36	0.020	0.28	<0.1	<0.01	0.7	0.1	<0.05	<1	<0.5	<0.2				

# QUALITY CONTROL REPORT

WHI14000057.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
14459	Rock	0.48	<0.005	0.2	1.3	18.0	46	<0.1	2.2	4.1	379	0.92	35.4	0.6	15.4	164	0.1	0.2	<0.1	3	3.27
REP 14459	QC			0.2	1.2	17.5	49	<0.1	3.0	4.2	376	0.92	39.6	1.6	15.0	168	0.2	0.2	<0.1	3	3.27
14463	Rock	0.96	<0.005	0.1	2.1	1.6	12	<0.1	2.0	0.9	61	0.39	4.3	<0.5	0.8	6	0.2	0.3	<0.1	8	0.09
REP 14463	QC			0.5	2.1	1.9	12	<0.1	4.5	0.9	65	0.38	3.6	<0.5	0.8	7	<0.1	0.3	<0.1	7	0.10
14465	Rock	0.73	<0.005	<0.1	1.4	1.0	7	<0.1	0.5	0.1	69	0.20	3.5	<0.5	0.7	4	0.1	0.2	<0.1	<2	0.13
REP 14465	QC		<0.005																		
14498	Rock	0.55	<0.005	<0.1	1.2	0.4	5	<0.1	0.1	0.2	22	0.03	3.5	1.4	<0.1	4635	0.1	<0.1	<0.1	<2	34.02
REP 14498	QC			<0.1	1.0	0.4	4	<0.1	0.8	0.2	20	0.03	1.4	0.9	<0.1	4586	<0.1	<0.1	<0.1	<2	33.56
14522	Rock	0.29	3.582	1.8	165.0	51.2	11	0.8	3.4	6.9	184	6.20	564.9	4886.5	7.7	33	0.2	4.7	40.0	3	0.42
REP 14522	QC		3.375																		
14533	Rock	0.23	5.177	0.3	408.0	48.0	38	1.1	1.3	11.9	>10000	15.14	3731.1	1484.5	3.1	543	0.2	3.1	26.7	<2	17.64
REP 14533	QC			0.3	399.3	46.7	39	1.2	1.6	12.3	>10000	14.85	3679.7	2130.8	3.1	535	0.3	3.2	27.2	<2	17.84
14537	Rock	0.18	0.035	1.6	127.9	177.0	37	1.7	10.6	25.3	798	6.49	319.8	7.3	11.5	5	0.2	7.9	292.3	<2	0.11
REP 14537	QC		0.033																		
14538	Rock	0.52	<0.005	<0.1	0.3	0.3	<1	<0.1	<0.1	0.4	24	0.03	18.2	<0.5	<0.1	3578	<0.1	<0.1	0.3	<2	36.98
REP 14538	QC		<0.005																		
Core Reject Duplicates																					
14474	Rock	0.89	>10	2.5	50.2	514.8	8	7.7	19.0	63.3	26	19.64	>10000	35566.1	2.9	23	0.1	214.7	626.1	<2	0.02
DUP 14474	QC		>10	2.0	49.5	494.1	6	7.8	16.4	59.1	20	18.88	>10000	33990.8	2.9	22	<0.1	207.2	684.9	<2	0.02
14512	Rock	0.49	0.268	1.0	77.2	12.3	71	2.7	1.5	3.9	361	2.70	3710.8	84.2	14.0	19	0.7	2.2	8.7	<2	0.07
DUP 14512	QC		0.148	0.9	78.2	11.4	75	2.3	2.0	3.8	355	2.61	3628.4	108.4	13.4	19	0.6	1.8	8.3	<2	0.07
14550	Rock	0.05	0.241	0.7	28.9	14.7	41	<0.1	6.4	5.3	1151	3.20	174.4	27.1	11.1	8	0.4	0.2	1.2	<2	0.18
DUP 14550	QC		I.S.	0.6	27.2	13.2	38	<0.1	5.9	5.1	1111	3.10	164.2	72.3	10.6	8	0.1	0.3	1.2	<2	0.18
Reference Materials																					
STD AGPROOF	Standard																				
STD DS10	Standard			13.7	152.5	154.9	372	2.1	77.7	13.2	891	2.74	46.2	90.6	6.9	68	2.8	9.7	12.9	42	1.04
STD DS10	Standard			15.0	150.6	156.2	369	1.9	76.7	12.8	871	2.72	45.5	67.6	7.4	70	2.6	8.7	13.0	44	1.04
STD DS10	Standard			12.2	156.6	157.7	356	1.9	77.1	12.5	994	2.62	46.4	88.8	6.5	61	2.3	6.9	12.8	40	1.02

# QUALITY CONTROL REPORT

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9	
Pulp Duplicates																				
14459	Rock	0.050	26	2	0.34	103	0.002	<20	0.39	0.027	0.22	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2	
REP 14459	QC	0.050	27	2	0.33	107	0.001	<20	0.41	0.026	0.22	<0.1	0.01	1.9	<0.1	<0.05	1	<0.5	<0.2	
14463	Rock	0.004	2	2	0.19	8	0.026	<20	0.17	0.009	0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
REP 14463	QC	0.004	1	6	0.18	9	0.027	<20	0.18	0.009	0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	
14465	Rock	0.003	2	1	<0.01	9	<0.001	<20	0.05	0.001	0.02	<0.1	0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2	
REP 14465	QC																			
14498	Rock	0.003	<1	<1	1.85	4	<0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	0.10	<1	<0.5	0.3	
REP 14498	QC	0.003	<1	<1	1.77	3	<0.001	<20	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	0.10	<1	<0.5	0.4	
14522	Rock	0.033	10	2	0.22	78	0.001	<20	0.41	0.004	0.22	0.5	<0.01	0.7	0.4	0.06	2	<0.5	<0.2	
REP 14522	QC																			
14533	Rock	0.009	4	<1	0.87	16	<0.001	<20	0.03	0.005	0.04	<0.1	<0.01	10.5	<0.1	0.25	<1	<0.5	<0.2	
REP 14533	QC	0.010	3	<1	0.86	16	<0.001	<20	0.03	0.005	0.04	<0.1	0.01	10.1	<0.1	0.25	<1	<0.5	<0.2	
14537	Rock	0.033	16	2	0.05	69	0.001	<20	0.29	0.032	0.18	0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2	
REP 14537	QC																			
14538	Rock	0.003	<1	<1	1.73	4	<0.001	<20	0.01	0.002	<0.01	<0.1	<0.01	0.1	<0.1	0.10	<1	<0.5	<0.2	
REP 14538	QC																			
Core Reject Duplicates																				
14474	Rock	0.010	14	1	<0.01	83	<0.001	<20	0.06	0.008	0.08	0.1	0.23	0.3	<0.1	3.74	<1	7.8	0.4	28.8
DUP 14474	QC	0.010	14	<1	<0.01	79	<0.001	<20	0.06	0.008	0.08	<0.1	0.24	0.4	<0.1	3.74	<1	9.8	0.5	35.1
14512	Rock	0.032	21	1	0.03	139	<0.001	<20	0.40	0.010	0.31	0.1	<0.01	0.7	<0.1	0.09	<1	<0.5	<0.2	
DUP 14512	QC	0.031	21	1	0.02	130	<0.001	<20	0.37	0.010	0.30	0.2	<0.01	0.7	<0.1	0.09	1	<0.5	<0.2	
14550	Rock	0.044	23	3	0.15	196	0.001	<20	0.52	0.006	0.30	0.1	<0.01	1.2	0.1	<0.05	1	<0.5	<0.2	
DUP 14550	QC	0.042	23	3	0.14	189	0.001	<20	0.51	0.006	0.30	0.1	<0.01	1.2	0.1	<0.05	1	<0.5	<0.2	
Reference Materials																				
STD AGPROOF	Standard																			<0.9
STD DS10	Standard	0.077	16	54	0.78	420	0.072	<20	1.00	0.065	0.33	3.1	0.39	2.6	5.0	0.28	4	2.4	5.1	
STD DS10	Standard	0.077	18	55	0.77	422	0.079	<20	1.04	0.069	0.34	3.2	0.28	2.8	4.9	0.27	4	2.1	5.2	
STD DS10	Standard	0.072	16	52	0.74	417	0.067	<20	0.93	0.059	0.32	3.2	0.33	2.6	5.0	0.29	4	2.1	5.0	



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Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **William Koe-Carson**  
 Box 387  
 White Fox SK S0J 3B0 CANADA

Project: McConnell  
 Report Date: August 13, 2014

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# QUALITY CONTROL REPORT

WHI14000057.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD DS10	Standard			14.7	154.7	163.4	372	1.8	77.8	12.7	910	2.79	44.3	59.3	8.0	75	2.5	8.3	12.6	43	1.10
STD OREAS45EA	Standard			1.4	667.2	13.9	31	0.3	368.9	49.4	381	23.94	10.9	56.4	9.0	4	<0.1	0.4	0.3	295	0.04
STD OREAS45EA	Standard			1.6	683.3	13.9	29	0.3	380.6	49.1	390	23.61	10.8	50.3	10.0	4	<0.1	0.4	0.3	295	0.04
STD OREAS45EA	Standard			1.4	616.0	13.8	27	0.3	332.9	47.7	359	22.41	8.8	57.1	9.3	3	<0.1	0.3	0.2	272	0.04
STD OREAS45EA	Standard			1.9	728.9	17.2	32	0.3	410.4	52.1	438	23.65	12.6	58.8	12.1	4	<0.1	0.3	0.3	332	0.04
STD OXD108	Standard		0.427																		
STD OXD108	Standard		0.412																		
STD OXD108	Standard		0.420																		
STD OXD108	Standard		0.421																		
STD OXI121	Standard		1.849																		
STD OXI121	Standard		1.837																		
STD OXI121	Standard		1.811																		
STD OXI121	Standard		1.935																		
STD OXN117	Standard		7.587																		
STD OXN117	Standard		7.748																		
STD OXN117	Standard		7.743																		
STD OXN117	Standard		8.007																		
STD SP49	Standard																				
STD SP49	Standard																				
STD AGPROOF Expected																					
STD SP49 Expected																					
STD OXD108 Expected			0.414																		
STD OXN117 Expected			7.679																		
STD OXI121 Expected			1.834																		
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

Bureau Veritas Commodities Canada Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **William Koe-Carson**  
 Box 387  
 White Fox SK S0J 3B0 CANADA

Project: McConnell  
 Report Date: August 13, 2014

Page: 2 of 3

Part: 2 of 2

# QUALITY CONTROL REPORT

WHI14000057.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9
STD DS10	Standard	0.078	20	54	0.79	430	0.085	<20	1.10	0.061	0.35	3.3	0.32	3.3	5.3	0.28	5	2.2	4.5	
STD OREAS45EA	Standard	0.029	7	799	0.10	140	0.091	<20	3.06	0.019	0.05	<0.1	0.02	74.1	<0.1	<0.05	13	1.1	<0.2	
STD OREAS45EA	Standard	0.027	7	796	0.10	136	0.091	<20	3.28	0.019	0.06	<0.1	<0.01	72.4	<0.1	<0.05	13	0.9	0.2	
STD OREAS45EA	Standard	0.026	6	822	0.09	134	0.084	<20	2.81	0.018	0.05	<0.1	<0.01	68.6	<0.1	<0.05	11	0.6	<0.2	
STD OREAS45EA	Standard	0.029	8	873	0.11	158	0.102	<20	3.52	0.008	0.05	<0.1	0.01	83.5	<0.1	<0.05	14	1.0	<0.2	
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXI121	Standard																			
STD OXI121	Standard																			
STD OXI121	Standard																			
STD OXI121	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD SP49	Standard																			18.5
STD SP49	Standard																			18.5
STD AGPROOF Expected																				0
STD SP49 Expected																				18.34
STD OXD108 Expected																				
STD OXN117 Expected																				
STD OXI121 Expected																				
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
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This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

## QUALITY CONTROL REPORT

WHI14000057.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-WHI	Prep Blank	<0.005	0.2	51.7	19.9	322	0.8	3.0	4.6	559	2.05	2.8	1.7	6.1	54	2.9	4.0	0.2	37	0.50	
G1-WHI	Prep Blank	<0.005	<0.1	7.4	5.1	72	0.1	2.4	3.7	587	2.01	<0.5	<0.5	6.4	57	0.3	0.4	<0.1	37	0.50	

## QUALITY CONTROL REPORT

WHI14000057.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	gm/t
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.9
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	0.7	<0.2	
BLK	Blank																			<0.9
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-WHI	Prep Blank	0.074	14	6	0.54	168	0.136	<20	1.00	0.057	0.50	<0.1	0.04	2.7	0.4	0.09	5	2.6	<0.2	
G1-WHI	Prep Blank	0.072	15	5	0.54	164	0.130	<20	0.99	0.058	0.47	<0.1	0.02	2.5	0.3	<0.05	5	<0.5	<0.2	

## Appendix 5

SAMPLE ID	X	Y	Z	FIELD COMMENTS
14451	477689	7099887	789	5cm altered quartz vein. Highly oxidized. Near high value scorodite vein found during 2012 season
14452	477699	7099873	788	Taken from heat altered granodiorite near high value scorodite vein found during 2012 season (AA064560 28.2 ppm)
14453	477699	7099873	789	Small vein (~2cm) of altered quartz.
14454	477695	7099876	780	10 cm quartz vein. 38 degree dip to 114 degree azimuth.
14455	477695	7099876	780	Altered granodiorite directly beside vein from sample 14454.
14456	477689	7099887	789	Altered granodiorite directly beside vein from sample 14451.
14457	477698	7099892	796	White quartz vein. 20 degree dip to 204 degree azimuth.
14458	477698	7099893	799	2.5 cm quartz vein. 20 degree dip to 202 degrees azimuth.
14459	477698	7099893	799	Granodiorite from directly beside quartz vein from 14458.
14460	477698	7099894	800	2.5 cm quartz vein. 20 degree dip to 204 degrees azimuth.
14461	477697	7099872	789	Small white quartz vein.
14462	477697	7099872	789	Highly altered matrix deficient granodiorite directly beside vein from sample 14461.
14463	477679	7099876	794	15 cm white quartz vein. 80 degree dip to 270 degrees azimuth.
14464	477680	7099876	794	15 cm white quartz vein similar to, and ~ 1m east of, sample 14463 Same 80 degree dip to 270 degree azimuth
14465	477676	7099876	797	10 cm quartz vein similar to samples 14463 & 14464 in close proximity. Dip 85 degrees to 225 degrees azimuth
14466	477684	7099879	776	Highly oxidized apparent micro veining. Mostly wall rock sampled, veining highly weathered. 80 degree dip to 168 degrees azimuth
14467	477702	7099864	0	10 cm altered quartz vein. Dip ~38 degrees to ~112 degrees azimuth
14468	477700	7099858	780	Composite sample of altered quartz vein and wall rock, from area of apparent micro veining.
14469	477699	7099856	777	10 cm white quartz vein. 60 degree dip to 132 degrees azimuth.
14470	477699	7099857	774	Altered vein of quartz rich granodiorite beside sample 14469. ~ 38 degree dip to ~112 degrees azimuth
14471	477700	7099853	779	5 cm highly oxidized vein ~38 degree dip to ~112 degrees azimuth
14472	477697	7099851	783	5cm oxidized vein ~30 degree dip to ~112 degrees azimuth
14473	477696	7099844	787	Composite sample of two 10 cm white quartz veins dip ~ 10 degrees to ~ 20 degrees azimuth
14474	477677	7099829	776	15 cm arsenopyrite vein 38 degree dip to 116 degrees azimuth
14475	477677	7099829	776	Side wall of granodiorite from sample 14474 vein.
14476	477675	7099831	795	10 cm altered quartz vein. Dip ~38 degrees to ~116 degrees azimuth
14477	477676	7099831	800	5 cm vein altered quartz, undetermined dip. Located between sample 14475 and 14476
14478				"BLANK" QA / QC
14479	478536	7099868	862	20 cm vein with apparent arsenopyrite. Dip ~ 12 degrees to ~158 degrees azimuth
14480	478212	7099431	774	20 cm oxidized white quartz vein. ~12 degree dip to ~150 degrees azimuth.
14481	478189	7099479	845	40 cm white quartz vein, one of multiple in vicinity. All with dip ~20 degrees to ~138 degrees azimuth.
14482	478189	7099479	845	Granodiorite from side wall of sample 14481 vein.
14483	478238	7099505	798	5 cm vein oxidized quartz and granodiorite. Dip ~ 5 degrees to 322 degrees azimuth
14484	478213	7099489	797	5cm oxidized altered quartz vein. ~5 degree dip to ~134 degrees azimuth
14485	478642	7099621	814	5 cm highly oxidized altered vein. ~ 5 degree dip to ~ 322 degrees azimuth
14486	478642	7099621	814	Granodiorite sidewall rock from sample 14485 vein.
14487	478643	7099641	824	5 cm quartz veindip ~22 degrees to ~148 degrees azimuth.
14488	478643	7099641	824	Sidewall rock from sample 14487 vein.
14489	478643	7099643	823	Altered granodiorite and weathered micro veining. Within area of prolific micro veining up to 20 per meter
14490	478624	7099671	827	Subcrop of typical oxidized granodiorite from area of micro veining
14491	478627	7099674	826	Plain unoxidized granodiorite bedrock in area of micro veining.
14492	478620	7099698	829	10 cm vein highly oxidized material. Dip ~14 degrees to ~ 148 degrees azimuth.
14493	478620	7099698	829	Sidewall rock from sample 14492 vein.
14494	478622	7099721	811	Example of weathered micro veining and granodiorite from micro vein swarm of up to 12 veins per meter.
14495	478626	7099737	847	10 cm oxidized vein. Dip ~ 5 degrees to ~ 126 degrees azimuth. One of several simiilar nearby.
14496	478623	7099753	860	10 cm vein of oxidized material. Dip ~ 18 degrees to ~ 148 degrees azimuth.

14497	478620	7099754	858	10 cm highly altered quartz vein. Dip ~18 degrees to ~ 148 degrees azimuth.
14498				"BLANK" QA / QC
14499	478588	7099726	835	8 cm highly altered quartz vein. Dip ~ 10 degrees to ~142 degrees azimuth.
14500	478588	7099726	835	Sidewall rock from sample 14499 vein.
14501	478591	7099740	822	5 cm altered "crumbly" quartz. Among swarm of similar but smaller (micro) veins with similar dip of ~10 degrees to ~140 degrees azimuth.
14502	478591	7099740	829	Sidewall rock from sample 14501 vein.
14503	478614	7099782	856	20 cm greenish quartz vein in oxidized granodiorite. Dip ~10 degrees to ~ 152 degrees azimuth.
14504	478614	7099784	861	5 cm altered quartz rich granodiorite vein within swarm of similar veins visible for ~30 m until lost in subcrop/talus. All dip ~12 degrees to ~ 154 degrees azimuth
14505	478618	7099787	870	Thin oxidized vein. Weathered vein and wallrock sampled (composite). Numerous similar veins ~ 7 per m each way until lost in overburden. All have dip ~ 12 degrees to ~152 degrees azimuth.
14506	478578	7099790	850	5cm vein of altered quartz, heavily oxidized. Composite sample taken of vein and sidewall rock. Dip ~12 degrees to ~124 degrees azimuth.
14507	478541	7099791	812	Slim (1cm) vein among multiple thinner (micro) veins ~ 5 per meter. Composite sample of weathered vein and sidewall rock. Dip ~12 degrees to ~ 140 degrees azimuth.
14508	478499	7099778	849	Weathered vein material from among micro veining system, ~12 veins per meter. Dip ~18 degrees to ~148 degrees azimuth.
14509	478499	7099778	849	Sidewall rock from sample 14508 vein. Altered granodiorite.
14510	478512	7099836	822	Altered granodiorite between micro veins. Dip ~18 degrees to ~148 degrees azimuth.
14511	478513	7099838	819	Composite sample of vein and highly altered sidewall rock among heavily oxidized vein swarm. Dip ~18 degrees to ~148 degrees azimuth.
14512	478527	7099854	827	8 cm vein of altered material, among micro veining ~ 8 per meter. Dip ~20 degrees to ~148 degrees azimuth.
14513	478565	7099880	867	8 cm soft mica rich vein, heavily oxidized. Dip ~ 14 degrees to ~ 126 degrees azimuth.
14514	478565	7099880	867	Sidewall rock from beside sample 14513 vein.
14515	478536	7099868	866	Sidewall rock from beside sample 14479 vein. Apparent "veins" of altered granodiorite.
14516	478535	7099869	838	Taken from subcrop of micro vein swarm ~ 6 per m. Composite sample of some weathered vein and wallrock.
14517	478635	7099659	801	Altered 5cm highly oxidized vein material. Taken from subcrop within dirt filled cut. Soils around highly oxidized. Found while returning to recover forgotten chisel.
14518				"BLANK" QA / QC
14519	478529	7099874	815	5 cm vein of quartz / altered granodiorite dip ~12 degrees to ~296 degrees azimuth. Amongst micro veining up to 10 per meter.
14520	478530	7099871	799	5 cm vein similar to sample 14519. Quartz granules with oxidized matrix. Composite sample of vein and sidewall rock. Dip ~12 degrees to ~ 296 degrees azimuth.
14521	478513	7099875	811	10 cm altered quartz rich vein, among swarm of micro veins ~ 7 per meter with distinct alteration halos. Dip ~14 degrees to ~142 degrees azimuth.
14522	478517	7099900	843	Micro vein among swarm of similar veins ~ 5 per meter. Dip ~ 10 degrees to ~ 138 degrees azimuth. Composite sample taken of some vein with wallrock.
14523	478518	7099934	842	10 cm vein of heavily oxidized material, amongst micro veining ~5 per meter. Dip ~10 degrees to ~138 degrees azimuth.
14524	478505	7099858	817	Wallrock and weathered vein, is mostly wallrock in sample. From heavily oxidized micro vein system ~ 10 per meter. Dip ~10 degrees to ~138 degrees azimuth.
14525	478513	7099879	803	8cm quartz vein. Similar to vein discovered nearby (~25m away) but seems more altered. Dip ~12 degrees to ~146 degrees azimuth.
14526	478525	7099878	821	Highly oxidized 5 cm mica rich vein. ~5 degree dip to ~148 degrees azimuth.
14527	478521	7099882	813	Composite of weathered vein material & sidewall rock, from subcrop of large micro vein swarm ~6 per meter. Consistent dip & strike throughout vein fracture pattern. ~10 degree dip to ~148 azimuth
14528	478481	7099872	791	5cm vein of oxidized material alongside highly altered granodiorite. Dip ~5 degrees to ~148 degrees azimuth. Amongst cluster of micro veining ~ 5 per meter.
14529	478481	7099872	791	Altered wallrock from beside sample 14528 vein. Amongst cluster of micro veining ~ 5 per meter.
14530	478503	7099899	826	Vein material and some wall rock from micro vein. Numerous similar veins within visible outcrop, ~8 per meter noted. Strongly oxidized.
14531	478492	7099914	823	Very soft, red, highly oxidized 5cm vein. Dip ~22 degrees to ~148 degrees azimuth.
14532	478492	7099914	823	Altered wall rock from beside sample 14531 vein.
14533	478502	7099925	820	3 cm Highly oxidized and weathered vein material with some wall rock. Dip ~20 degrees to ~148 degrees azimuth.
14534	478513	7099969	845	Composite sample from subcrop 15 cm vein of mixed quartz. Appears to be highly oxidized quartz with a second vein of white quartz pushed in beside it.
14535	478588	7100108	856	20 cm vein of apparent arsenopyrite rich material. Among swarm of oxidized micro veining ~5 per meter. Dip ~10 degrees to ~148 degrees azimuth.
14536	478588	7100111	856	Subcrop below area of micro veining. Weathered vein and altered wallrock sampled. Vein ~2cm wide, similar veins noted within micro veining.
14537	478598	7100104	891	Highly altered quartz vein amongst micro veining. Dip ~10 degrees to ~ 332 degrees azimuth.
14538				"BLANK" QA / QC
14539	478521	7099863	789	2 cm vein material from subcrop. Found on hike back to camp, camera dead so no 'insitu' picture. Photograph taken at camp.
14540	478296	7099788	807	Taken from camp hill, a raised plateau between the two areas of focus. Subcrop, weathered micro vein and wall rock sampled, mostly wall rock.
14541	478236	7099866	803	Also taken from camp hill, a raised plateau between the two areas of focus. Subcrop, weathered micro vein and wall rock sampled, mostly wall rock.
14542	477844	7099996	823	5cm quartz vein among several similar veins visible across ~30 meters. Some micro veins noted in the area. Weathered quartz vein sampled. Dip ~22 degrees to ~148 degrees azimuth.
14543	477795	7099951	815	Example of weathered micro veining and granodiorite from micro vein swarm of ~7 veins per meter. Mostly granodiorite wall rock in sample. Dip ~22 degrees to ~148 degrees azimuth.

14544	477699	7099874	776	Resample of sample AA064560 taken in 2012 with assay of 28.2 ppm. Will be employing a finer crush to fine tune the result. Dip ~38 degrees to ~112 degrees azimuth.
14545	477685	7099860	791	Possible micro veining, ~ 10 per meter. Typical for immediate area. Vein weathered, mostly wall rock in the sample. Dip ~38 degrees to ~112 degrees azimuth.
14546	477670	7099828	777	One of two 3cm quartz / altered granodiorite veins, highly oxidized, amongst micro veining ~ 5 per meter.
14547	477670	7099828	777	Second of two 3cm quartz / altered granodiorite veins, highly oxidized, amongst micro veining ~ 5 per meter.
14548	478371	7100272	819	15cm vein of soft mica rich material. Amongst micro veining. Dip ~22 degrees to ~ 338 degrees azimuth. Rock in the area dipped / fallen to south toward apparent lineament.
14549	478371	7100271	829	3cm quartz veins, oxidized with heat halos. Dip ~22 degrees to ~ 330 degrees azimuth. Composite sample taken of two veins with wall rock.
14550	478363	7100269	823	Weathered micro vein material and wall rock from area of micro veining ~ 4 per meter. Dip ~ 12 degrees to ~ 238 degrees azimuth.
14551	478354	7100256	820	Wall rock and some weathered vein material from micro vein among ~ 5 per meter.
14552	478309	7100298	819	Highly weathered vein material and wall rock from area of micro veining. ~ 5 per meter throughout visible extent of outcrop.