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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING**

at the

**NNN PROPERTY**

NNN 1-36 YD56485-YD56520

NTS 115J/10

Latitude 62°34'N; Longitude 138°44'W

located in the

Whitehorse Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**CENTRAL RESOURCES CORP.**  
and  
**STRATEGIC METALS LTD.**

by

H. Smith, B.Sc. Geology, P.Geo.  
November 2010

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## **INTRODUCTION**

The NNN property lies near the centre of the Dawson Range Gold Belt of western Yukon, and exploration in 2010 focused on evaluating its gold potential. Central Resources Corp. can earn a 100% interest in the property subject to an option agreement with Strategic Metals Ltd.

This report describes a two day exploration program that was conducted by Archer, Cathro & Associates (1981) Limited in summer 2010 on behalf of Central Resources. The work was performed by a three person crew on June 26 and 27 and comprised geochemical sampling. The author directed the program, and her Statement of Qualifications is in Appendix I.

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

The NNN property consists of 36 contiguous mineral claims, which are located on NTS map sheet 115J/10 at latitude 62°34' north and longitude 138°44' west (Figure 1). The property covers an area of approximately 729 ha (7.29 sq km). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. 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>
NNN 1-36	YD56485-YD56520	April 15, 2011

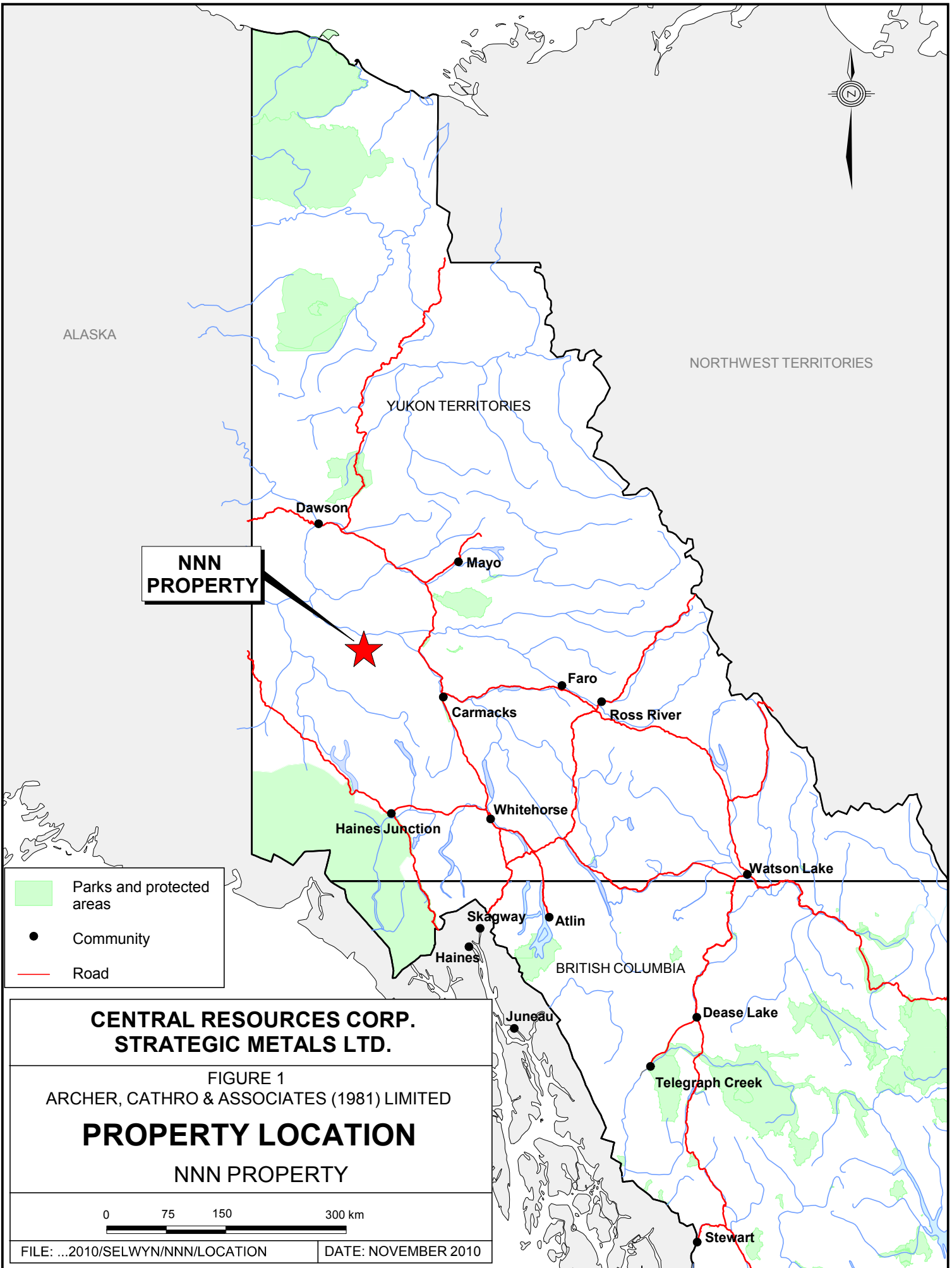
\* Expiry date does not include 2010 work that has not yet been filed for assessment credit.

In 2010, access to and from the property was provided by a Bell 206B helicopter owned and operated by Capital Helicopters (1995) Inc. of Whitehorse, from a temporary base at the Klaza property located near the former Mount Nansen Mine. The Klaza property lies 92 km to the southeast of the NNN property and 70 km by road west of the community of Carmacks.

## **HISTORY AND PREVIOUS WORK**

In 1969, Archer Cathro performed regional exploration in the Dawson Range district for the Dawson Range Joint Venture. During that exploration program one stream sediment sample was collected from what is now the NNN property. That sample was analyzed for copper (28 ppm), lead (value not reported) and molybdenum (nil).

In 1974, Archer Cathro again conducted regional exploration in the Dawson Range district – this time for the Klotassin Joint Venture (KJV). KJV was made up of Newconex Canadian Exploration Ltd., Marietta Resources International Ltd., and Molybdenum Corporation of America. Work performed included 1:50,000 scale reconnaissance-style prospecting, mapping and geochemical sampling (Cathro, 1974). KJV collected 13 soil samples from the area of the current NNN property. Those samples were analyzed for copper, molybdenum, lead and zinc. Results from 1974 sampling are displayed in Table I.



ALASKA

NORTHWEST TERRITORIES

YUKON TERRITORIES

**NNN  
PROPERTY**

Dawson

Mayo

Faro

Carmacks

Ross River

Haines Junction

Whitehorse

Watson Lake

Skagway

Atlin

Haines

BRITISH COLUMBIA

Juneau

Dease Lake

Telegraph Creek

Stewart

- Parks and protected areas
- Community
- Road

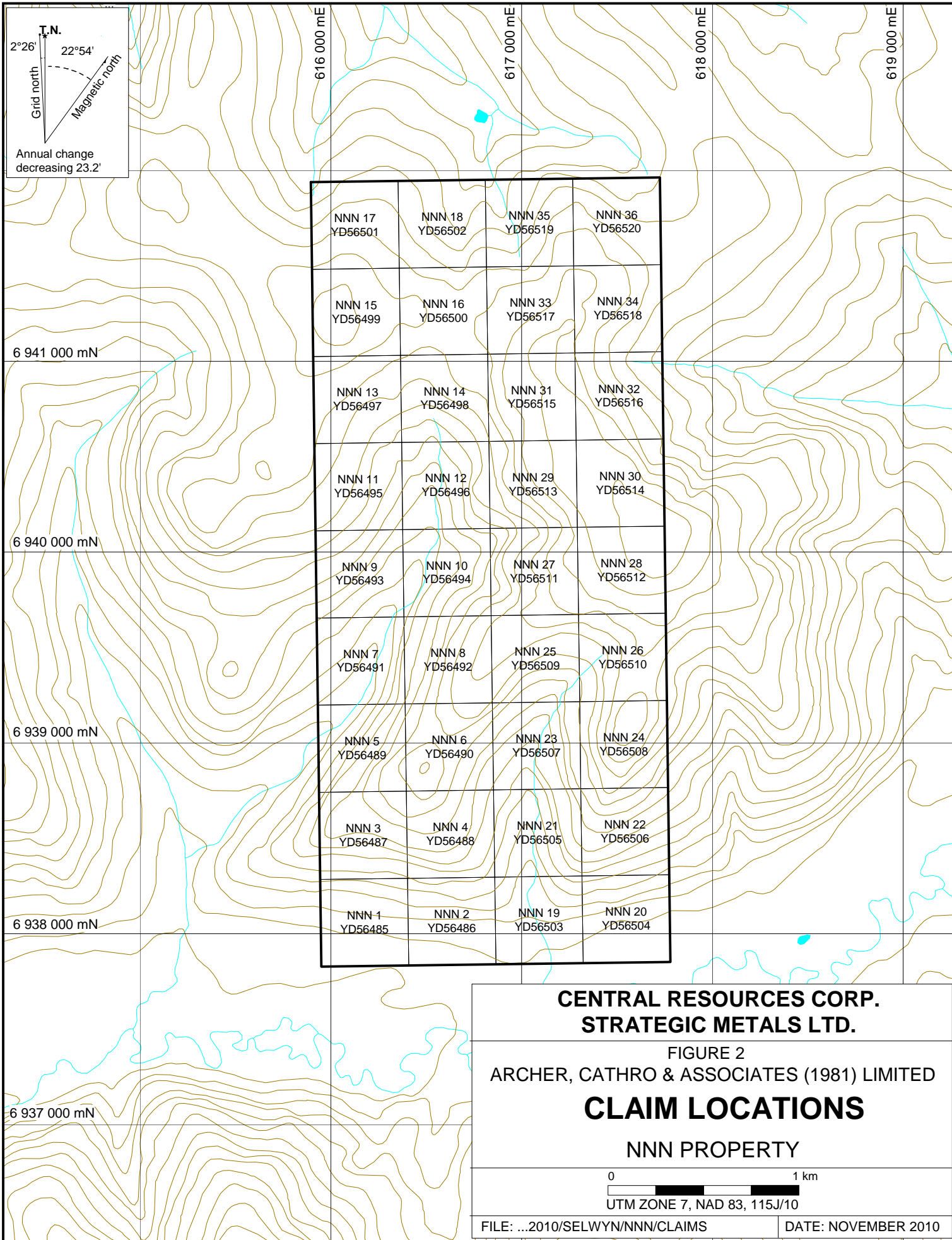
**CENTRAL RESOURCES CORP.  
STRATEGIC METALS LTD.**

FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION**

NNN PROPERTY

0 75 150 300 km



**T.N.**  
 2°26'    22°54'  
 Grid north  
 Magnetic north  
 Annual change decreasing 23.2'

616 000 mE    617 000 mE    618 000 mE    619 000 mE

6 941 000 mN

6 940 000 mN

6 939 000 mN

6 938 000 mN

6 937 000 mN

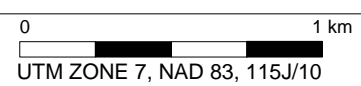
NNN 17 YD56501	NNN 18 YD56502	NNN 35 YD56519	NNN 36 YD56520
NNN 15 YD56499	NNN 16 YD56500	NNN 33 YD56517	NNN 34 YD56518
NNN 13 YD56497	NNN 14 YD56498	NNN 31 YD56515	NNN 32 YD56516
NNN 11 YD56495	NNN 12 YD56496	NNN 29 YD56513	NNN 30 YD56514
NNN 9 YD56493	NNN 10 YD56494	NNN 27 YD56511	NNN 28 YD56512
NNN 7 YD56491	NNN 8 YD56492	NNN 25 YD56509	NNN 26 YD56510
NNN 5 YD56489	NNN 6 YD56490	NNN 23 YD56507	NNN 24 YD56508
NNN 3 YD56487	NNN 4 YD56488	NNN 21 YD56505	NNN 22 YD56506
NNN 1 YD56485	NNN 2 YD56486	NNN 19 YD56503	NNN 20 YD56504

**CENTRAL RESOURCES CORP.  
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FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**

NNN PROPERTY



FILE: ...2010/SELWYN/NNN/CLAIMS

DATE: NOVEMBER 2010

**Table I – 1974 Geochemistry**

<b>Element</b>	<b>Low (ppm)</b>	<b>High (ppm)</b>	<b>Average (ppm)</b>
Copper	13	41	23
Molybdenum	0	2	0.5
Lead	6	54	22
Zinc	36	105	70

In March 1980, A. Falle staked the Ray claim on part of the area now covered by the NNN property. Work comprised hand trenching in an area where Nasina Assemblage quartzite has been intruded by a Tertiary dyke swarm. No results were reported from the trenching and no further work was performed (Deklerk and Traynor, 2005).

In 1980, Archer Cathro once did more work in the Dawson Range – now on behalf of the NAT Joint Venture (NAT JV), which comprised Chevron Canada Limited and Armco Mineral Exploration Ltd. Part of the NAT JV program involved reanalyses of over 5000 previously collected geochemical sample splits for gold, silver, arsenic and lead (Archer and Onasick, 1980). Two samples from the NNN property yielded strongly anomalous gold values (46 and 56 ppb).

In 1985, Freegold Venture was formed for Chevron Canada Limited to follow up areas (identified by NAT JV), which appeared to have potential for bulk tonnage deposits. One soil sample from the NNN property yielded 156 ppb gold (Eaton and Halleran, 1985).

Strategic staked the NNN property based on the historical geochemical results and the presence of Tertiary dyke swarms in the area. Dykes of this type are associated with a number of gold occurrences in the Dawson Range Gold Belt. Central Resources signed an optional purchase agreement with Strategic in June 2010.

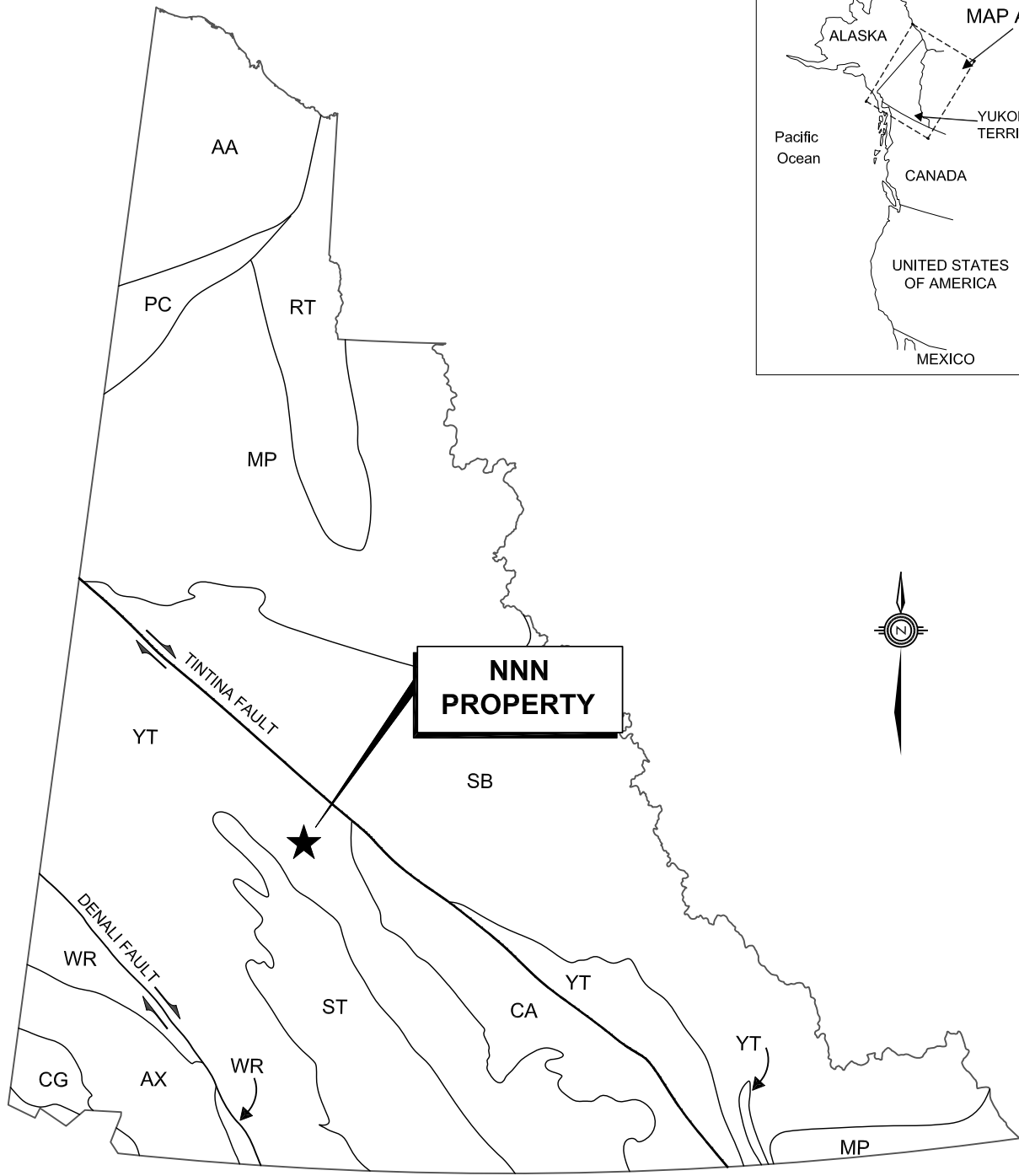
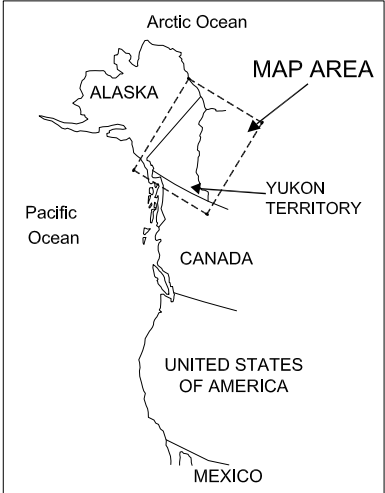
### **GEOMORPHOLOGY AND CLIMATE**

The NNN property is situated in the central part of the Dawson Range and is drained by creeks that flow into Colorado Creek, which is part of the Yukon River watershed. The area escaped Pleistocene glaciation and as a result the landscapes are mature with dendritic drainages forming radial fans off the flanks of upland domes.

Elevations from west to east range from about 730 to 1250 m above sea level. Outcrop is rare.

Soil profile in the Dawson Range are complex compared to most other places in Yukon. Due to the absence of glaciation, ridges and elevated spines are deeply weathered and often leached. On hillsides and valley bottoms, the soil profile from surface to bedrock typically consists of the following:

- a layer of organic matter, which ranges from 10 to 50 cm thickness;
- a layer of 2000 year old volcanic ash from the Mount Churchill eruption, which varies from 0 to 20 cm thick;



**ANCESTRAL NORTH AMERICA**

- MP Mackenzie Platform
- SB Selwyn Basin
- RT Richardson Trough

**TERRANES**

DISPLACED CONTINENTAL MARGIN

- AA Arctic Alaska
- CA Cassiar
- PC Porcupine

PERICRATONIC TERRANES

- YT Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

- ST Stikinia / Cache Creek
- AX Alexander
- WR Wrangellia
- CG Chugach

**CAPITAL RESOURCES CORP.  
STRATEGIC METALS LTD.**

FIGURE 3  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TECTONIC SETTING  
NNN PROPERTY**



DRAWN BY: M.Kammerer

PROJECT: JJJ

FILE:P:\2010\SELWYN\JJJ

DATE: 2010

- a layer comprised of loess mixed with soliflucted B and C-horizon residual soil, which ranges from 0 to more than 100 cm in thickness; and
- a layer of C-horizon residual soil.

The property lies below treeline. Vegetation consists of moss, dense buckbrush, alders, spruce and some second grown of poplar and birch. Permafrost is prevalent on north facing slopes and where moss and organic matter exceed 20 cm thickness.

Climate in the NNN 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.

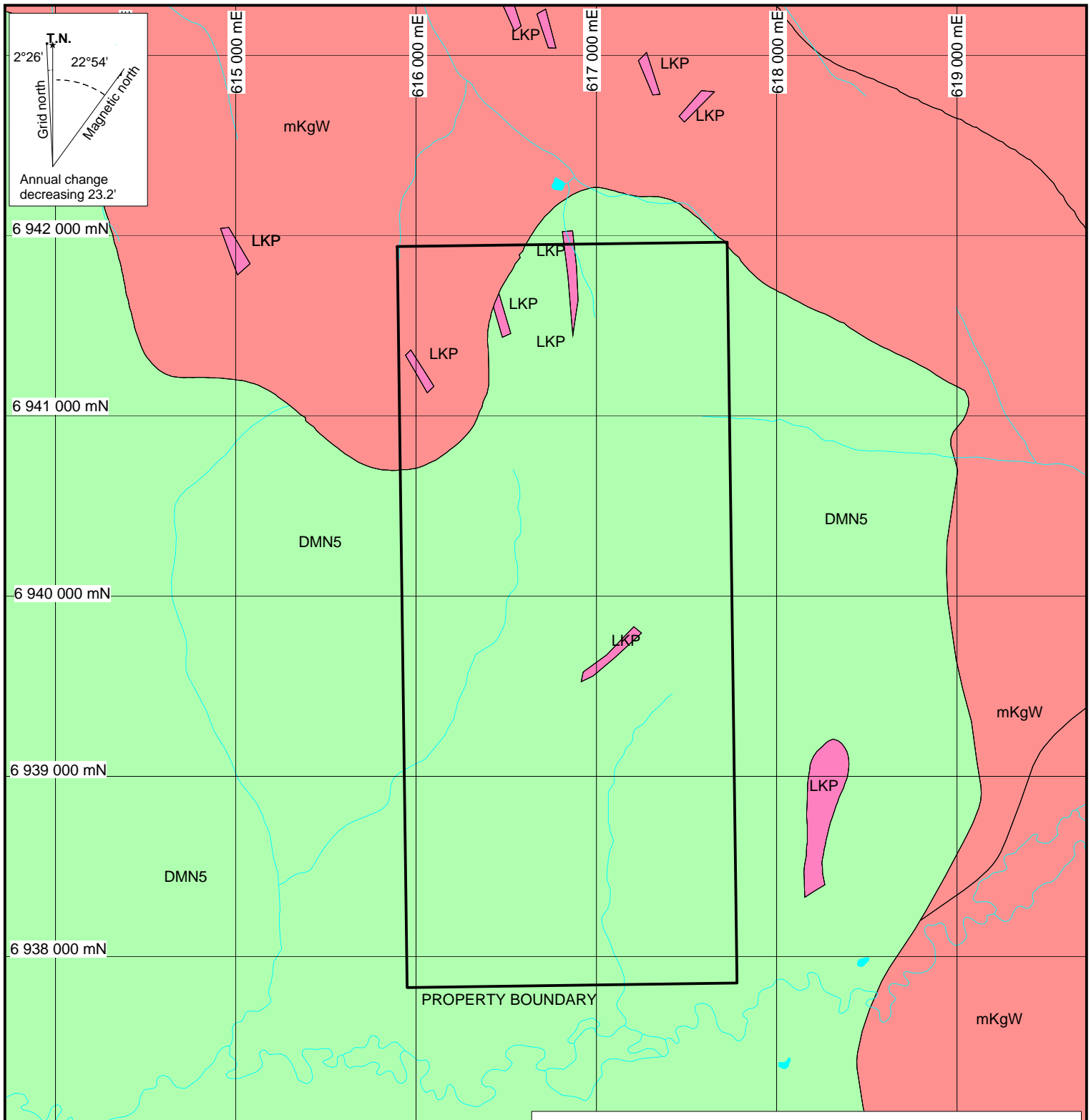
### **GEOLOGY**

In 1974, the Geological Survey of Canada (GSC) published a geological map of the Snag area (NTS map sheet 115J) at 1:250,000 scale (Templeman-Kluit, 1974). Also in 1974, KJV performed 1:50,000 scale geological mapping on 115J/10 (Cathro, 1974). In 1995, the Yukon Geological Survey (YGS) performed 1:100,000 scale geological mapping of 115J/9 and 10 and 115I/12, an area that includes the NNN property (Johnston, 1995). Gordey and Makepeace (2003) later completed a Yukon-wide geological compilation, which updated the lithological unit names in the NNN area.

The NNN 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. Figure 4 illustrates geology as mapped by KJV. Rock types described during 1974 mapping have been re-assigned to equivalent map units from the current Yukon Geological Survey geological compilation. The main lithological map suites are described in the Table II.

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

<b>Map Suite</b>	<b>Age</b>	<b>Map Unit</b>	<b>Description</b>
Prospector Mountain Suite	Late Cretaceous to Tertiary	LKP	Grey, fine to coarse grained, massive, granitic rocks of felsic composition and related felsic dykes. Quartz-feldspar porphyry is the primary composition of dykes.
Whitehorse Suite	Mid-Cretaceous	mKgW	Biotite-hornblende granodiorite, hornblende-quartz diorite and hornblende diorite; leucocratic, biotite-hornblende granodiorite with sparse grey-pink potassium feldspar phenocrysts.
Nasina Assemblage	Devonian, Mississippian and older (?)	DMN5	Black weathering, massive, dark grey to black, strongly graphitic quartzite with lesser grey micaceous quartzite and quartz-mica schist.



**LKP** LATE CRETACEOUS TO TERTIARY  
 LKP: PROSPECTOR MOUNTAIN SUITE  
 grey, fine to coarse grained, massive, granitic rocks of felsic composition and related felsic dykes (quartz-feldspar porphyry).

**mKgW** MID-CRETACEOUS  
 mKgW: WHITEHORSE SUITE  
 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.

**DMN5** DEVONIAN, MISSISSIPPIAN AND(?) OLDER  
 DMN5: NASINA ASSEMBLAGE  
 black weathering, massive, dark grey to black strongly graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist.

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FIGURE 4  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**  
 NNN PROPERTY

0  2 km

UTM ZONE 7, NAD 83, 115J/10

FILE: ...2010/SELWYN/NNN/GEOLOGY      DATE: NOVEMBER 2010

## **PROPERTY GEOLOGY**

No detailed geological mapping has been done on the NNN property. Based on mapping performed by GSC and YGS, the NNN property is mostly underlain by black weathering, massive graphitic quartzite and quartz-mica schist of the Nasina Assemblage. A large, Whitehorse Suite granodiorite stock has intruded the Nasina Assemblage, and a lobe of this stock underlies the northwest corner of the property. Several quartz-feldspar porphyry dykes belonging to the Prospector Mountain Suite intrude the Nasina Assemblage and the Whitehorse Suite, four of these dykes are mapped on the property.

The dominant structural feature in the vicinity of the NNN property is the Dip Creek Fault. It strikes northeasterly, but its sense of movement is unknown. It lies about six kilometres northwest of the property.

No mineralization has been reported on the NNN property.

## **STREAM SEDIMENT AND SOIL GEOCHEMISTRY**

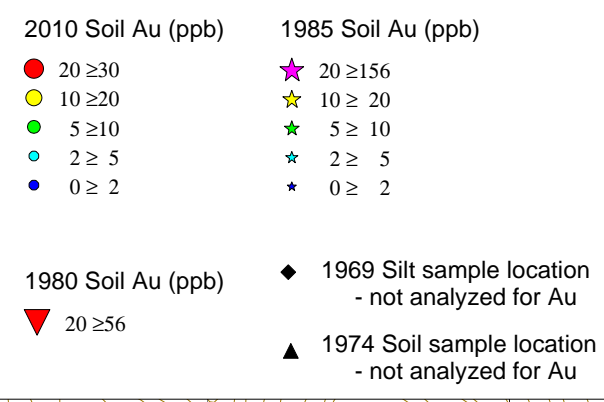
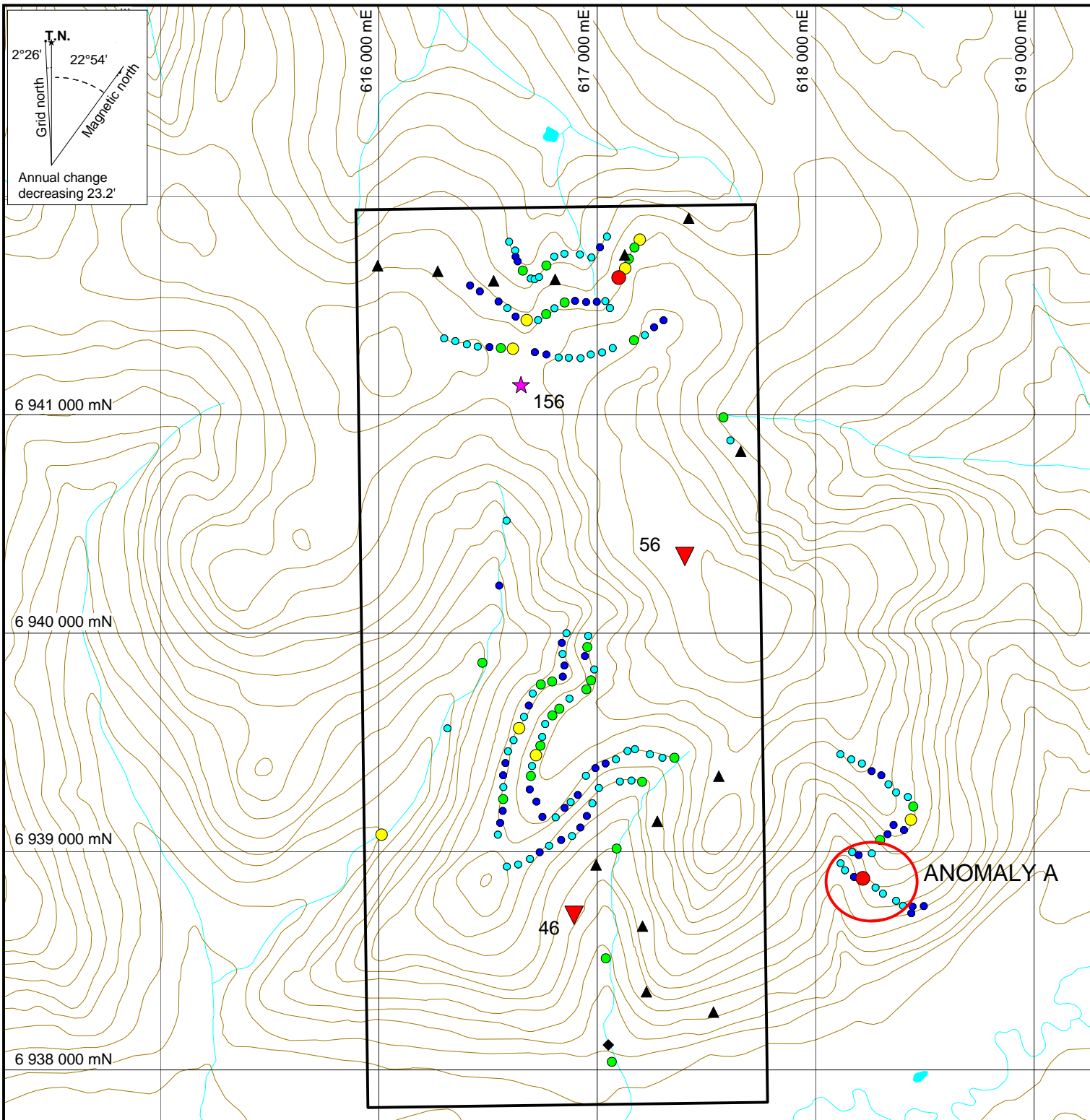
Previous soil sampling on the NNN property comprised widely spaced reconnaissance samples. Over the years, samples were analyzed for all or some of the following elements: gold, arsenic, silver, copper, molybdenum, lead and zinc. Gold results were mostly low but included three strongly anomalous (46, 56 and 156 ppb) values. Analyses for other elements returned mixed results with peak values of 120 ppm arsenic, 46 ppm copper, 2 ppm molybdenum, 46 ppm lead and 105 ppm zinc.

In 2010, soil samples were taken using hand held augers from six contour lines. A number of widely spaced silt samples were also collected along creeks (Figure 5). Results for gold, arsenic, copper and molybdenum are plotted on Figures 6 to 9, respectively. Sampling and Analytical Procedures for 2010 samples are described in Appendix II, while Certificates of Analysis are in Appendix III.

A total of 157 soil samples were collected in 2010. These samples returned: background to moderately anomalous values for gold (up to 30 ppb); background to strongly anomalous values for arsenic (up to 159 ppm); background to moderately anomalous values for copper (up to 75 ppm); and background to moderately anomalous values for molybdenum (up to 16 ppm). Five of these samples returned weakly to moderately anomalous antimony values up to 5 ppm.

Two clusters of anomalous gold, arsenic and molybdenum values were defined from 2010 sampling (Anomalies A and B). Anomaly A coincides with a large Tertiary dyke that has intruded Nasina Assemblage metasediments. It lies 300 m east of the property. Samples from this area returned a single elevated gold value (30 ppb), two strongly anomalous arsenic (115 and 159 ppm) and molybdenum (10 and 16 ppm) values and three strongly anomalous antimony values (4, 5 and 5 ppm). Copper response within this anomaly was moderate (up to 53 ppm). Anomaly B is located near the centre of the claim block near another porphyry dyke. It comprises two moderately to strongly anomalous arsenic values (up to 119 ppm).



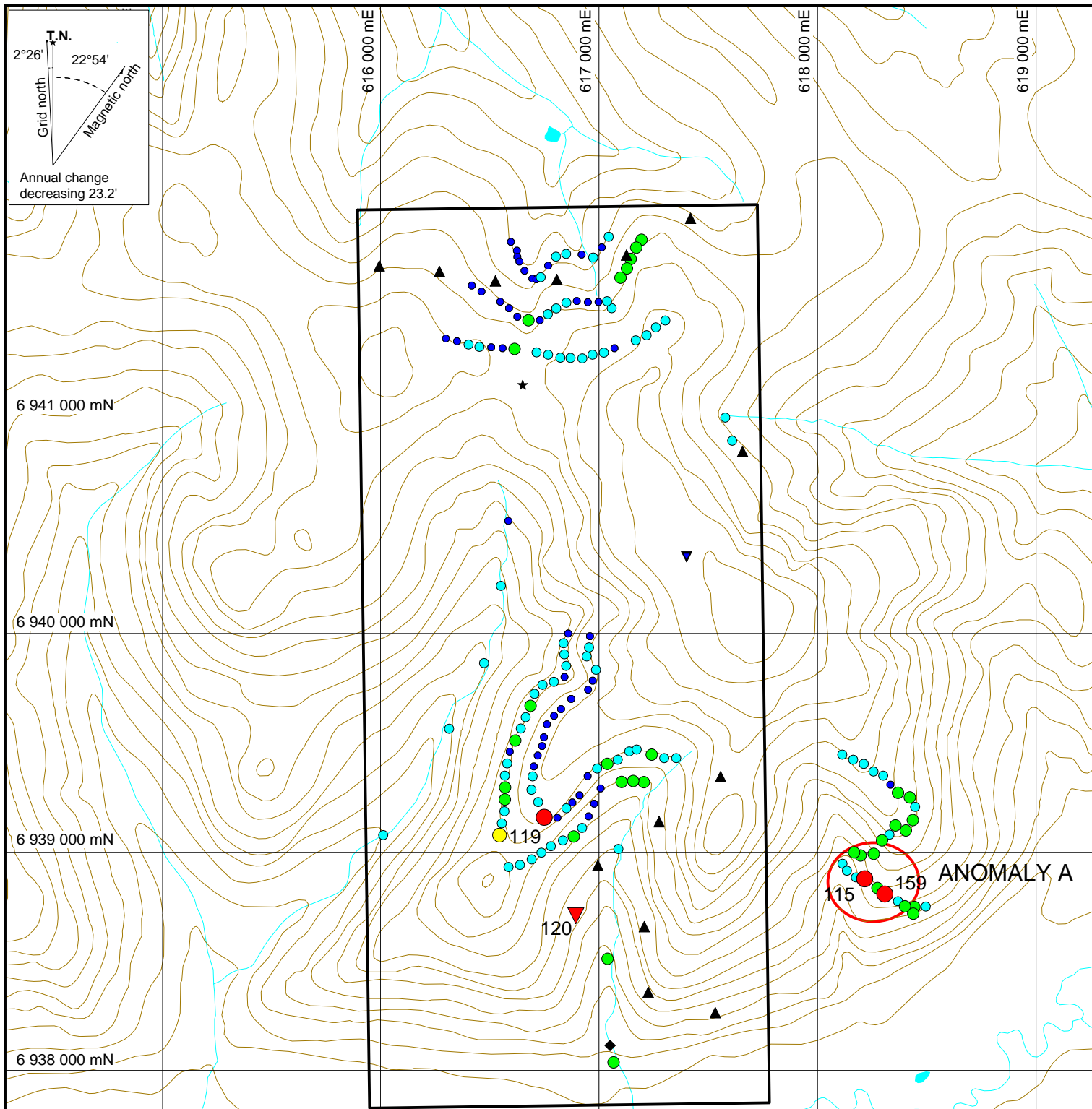


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FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD GEOCHEMISTRY**  
NNN PROPERTY

0  1 km  
UTM ZONE 7, NAD 83, 115J/10

FILE: ...2010/SELWYN/NNN/Au\_soil      DATE: NOVEMBER 2010



T.N.  
 2°26'    22°54'  
 Grid north  
 Magnetic north  
 Annual change decreasing 23.2'

6 941 000 mN

6 940 000 mN

6 939 000 mN

6 938 000 mN

616 000 mE

617 000 mE

618 000 mE

619 000 mE

2010 Soil As (ppm)

- 100 ≥ 159
- 50 ≥ 100
- 20 ≥ 50
- 10 ≥ 20
- 0 ≥ 10

1980 Soil As (ppm)

- ▼ 100 ≥ 120
- ▼ 50 ≥ 100
- ▼ 20 ≥ 50
- ▼ 10 ≥ 20
- ▼ 0 ≥ 10

★ 1985 Soil sample location  
 - not analyzed for As

◆ 1969 Silt sample location  
 - not analyzed for As

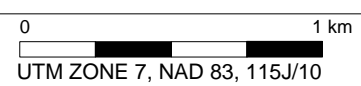
▲ 1974 Soil sample location  
 - not analyzed for As

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FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

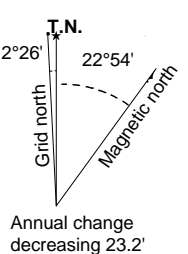
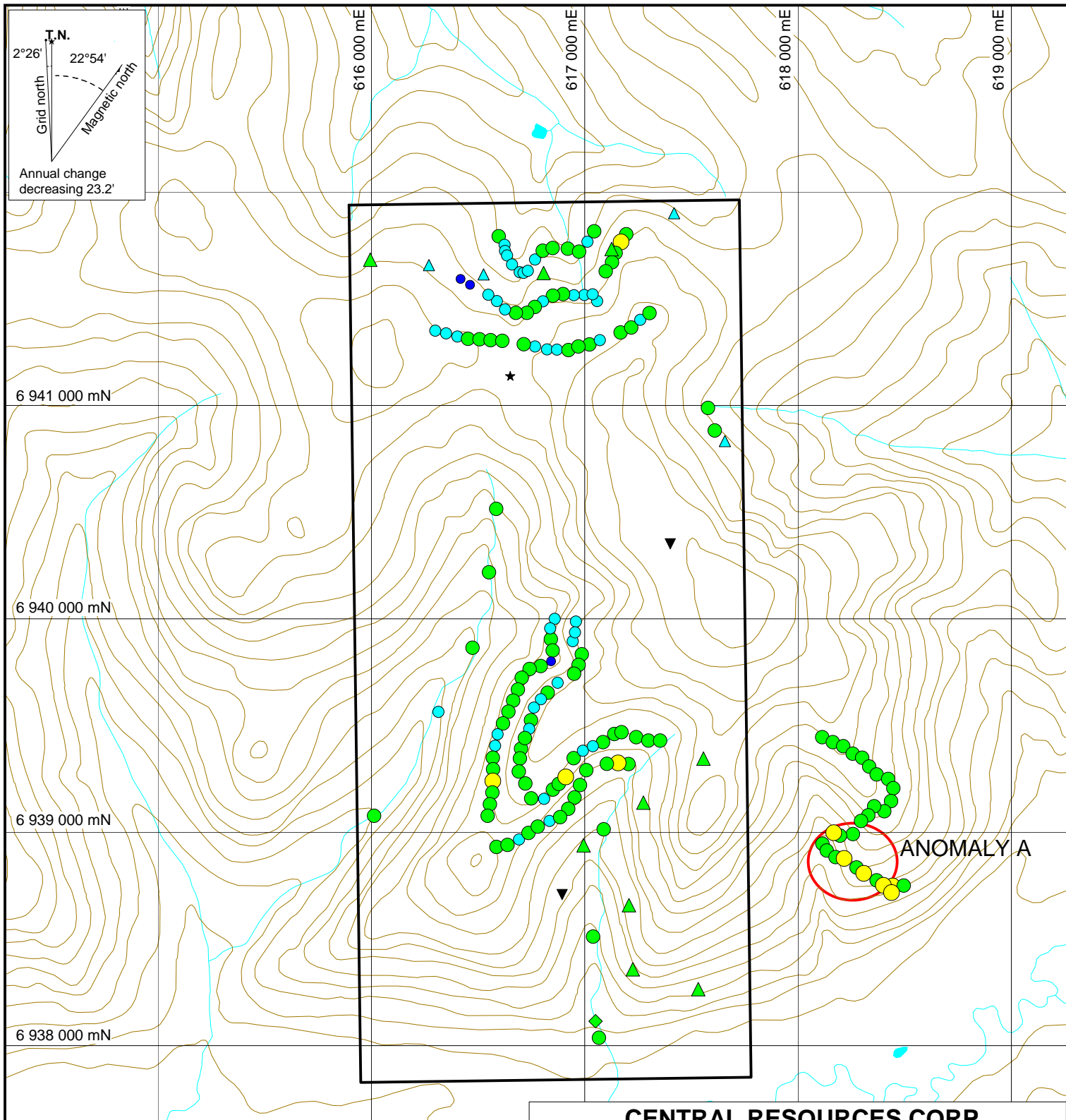
**ARSENIC GEOCHEMISTRY**

NNN PROPERTY



FILE: ...2010/SELWYN/NNN/As\_soil

DATE: NOVEMBER 2010



<p>2010 Soil Cu (ppm)</p> <ul style="list-style-type: none"> <li>● 50 ≥ 75</li> <li>● 20 ≥ 50</li> <li>● 10 ≥ 20</li> <li>● 0 ≥ 10</li> </ul>	<p>1969 Silt Cu (ppm)</p> <ul style="list-style-type: none"> <li>◆ 20 ≥ 28</li> <li>◆ 10 ≥ 20</li> <li>◆ 0 ≥</li> </ul>
<p>1974 Soil Cu (ppm)</p> <ul style="list-style-type: none"> <li>▲ 20 ≥ 46</li> <li>▲ 10 ≥ 20</li> <li>▲ 0 ≥ 10</li> </ul>	<p>★ 1985 Soil sample location - not analyzed for Cu</p> <p>▼ 1980 Soil sample location - not analyzed for As</p>

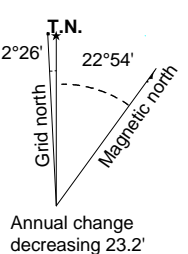
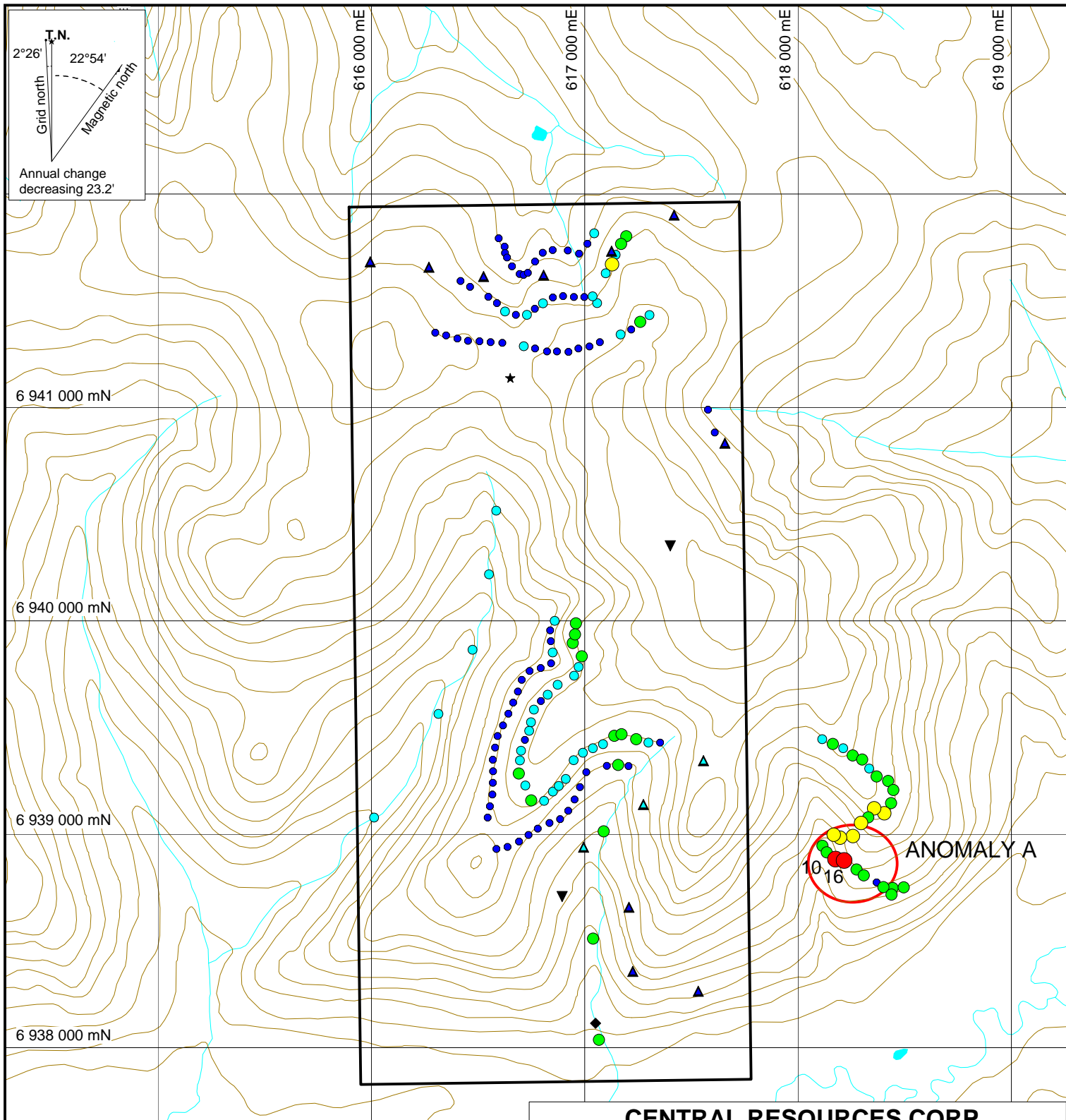
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FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
NNN PROPERTY

0 1 km

UTM ZONE 7, NAD 83, 115J/10

FILE: ...2010/SELWYN/NNN/Pb\_soil      DATE: NOVEMBER 2010



6 941 000 mN

6 940 000 mN

6 939 000 mN

6 938 000 mN

616 000 mE

617 000 mE

618 000 mE

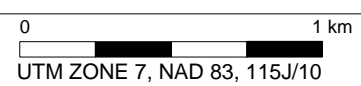
619 000 mE

- 2010 Soil Mo (ppm)**
- 10 ≥ 16
  - 5 ≥ 10
  - 2 ≥ 5
  - 1 ≥ 2
  - 0 ≥ 1
- 1974 Soil Mo (ppm)**
- ▲ 1 ≥ 2
  - ▲ 0 ≥ 1
- ◆ 1969 Soil sample location - not analyzed for Mo
  - ★ 1985 Soil sample location - not analyzed for Mo
  - ▼ 1980 Soil sample location - not analyzed for Mo

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FIGURE 9  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**MOLYBDENUM GEOCHEMISTRY  
NNN PROPERTY**



FILE: ...2010/SELWYN/NNN/Pb\_soil

DATE: NOVEMBER 2010

## **DISCUSSION AND CONCLUSIONS**

The NNN property lies within the Dawson Range Gold Belt, which hosts a number of gold deposits and occurrences that are directly associated with Mid- to Late Cretaceous plutons and Late Cretaceous to Tertiary quartz-feldspar porphyry dykes. A nearby example of this style of mineralization occurs at the Klaza Property (Rockhaven Resources Ltd.). At Klaza, recent drill intersections hosting vein, breccia and porphyry style mineralization associated with a series of narrow, discontinuous quartz-feldspar porphyry dykes returned 2.29 g/t gold and 36.1 g/t silver over 19.75 m (Turner, 2010).

Widely spaced geochemical sampling at the NNN property has returned encouraging results for gold, arsenic and antimony. Future work should consist of additional claim staking, soil sampling, mapping and prospecting. The priority for additional claims should be the area surrounding Anomaly A. Soil sampling should focus on collecting samples near the soil-bedrock interface. Grid soil sampling, at 50 by 100 m spacings, should be performed over Anomalies A and B and around and the three strongly anomalous gold values. Additional contour soil sampling should be done in the other parts of the property where there is little or no geochemical coverage. The sampling would comprise approximately 800 soil samples.

Detailed mapping and prospecting on the NNN property should be done in two phases. Initial mapping and prospecting should focus on Anomalies A and B. After the results from the detailed soil sampling are known, more detailed mapping and prospecting should be done in conjunction with hand trenching. Mechanical trenching or diamond drilling will be required to effectively test the target if favourable results are returned from the follow up work.

If a three person crew is performing the work, phase one of the program should take about ten days. The crew should stay in a temporary fly camp on the property. Depending upon the amount of follow up work required, it could be done from another fly camp on the property or a nearby camp (Klaza) or town (Carmacks) using daily helicopter support.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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

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[www.rockhavenresources.com](http://www.rockhavenresources.com)

**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 at #604-175 West 1 Street, North Vancouver, British Columbia, V7M 3N9 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.Ge.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 150000).
4. I have personally directed the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc., P.Ge.

**APPENDIX II**  
**SAMPLING AND ANALYTICAL PROCEDURES**

## **2010 Soil Geochemical Samples**

All 2010 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 10 to 30 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags.

The soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21).

**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**



# ALS Chemex

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ALS Canada Ltd.

2103 Dollarton Hwy

North Vancouver BC V7H 0A7

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

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

Page: 1  
Finalized Date: 15-JUL-2010  
Account: F

## CERTIFICATE VA10091013

Project: Selwyn

P.O. No.: NNN

This report is for 157 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-JUL-2010.

The following have access to data associated with this certificate:

JOAN MARIACHER

BILL WENGZYNOWSKI

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 5 (A - C)  
Plus Appendix Pages  
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## CERTIFICATE OF ANALYSIS VA10091013

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC96751		0.20	0.2	0.96	8	<10	100	<0.5	<2	0.10	<0.5	5	22	14	2.92	10
CC96752		0.26	0.2	1.66	19	<10	230	<0.5	<2	0.36	0.6	7	32	17	3.19	10
CC96753		0.22	0.3	1.91	17	<10	200	<0.5	<2	0.17	0.8	8	35	18	3.79	10
CC96754		0.28	<0.2	2.13	13	<10	270	<0.5	<2	0.18	0.8	12	49	37	3.94	10
CC96755		0.18	<0.2	2.18	6	<10	190	<0.5	<2	0.28	0.5	13	64	27	3.03	10
CC96756		0.16	<0.2	1.41	4	<10	100	<0.5	<2	0.15	0.7	5	28	28	1.74	<10
CC96757		0.16	<0.2	0.95	4	<10	80	<0.5	<2	0.13	<0.5	4	22	19	1.69	<10
CC96758		0.40	<0.2	2.06	5	<10	210	0.5	<2	0.38	<0.5	11	38	24	3.14	10
CC96759		0.22	<0.2	2.31	5	<10	170	<0.5	<2	0.22	0.5	11	37	18	3.32	10
CC96760		0.18	<0.2	2.23	5	<10	140	<0.5	<2	0.18	<0.5	9	34	13	3.64	10
CC96761		0.20	0.3	1.81	5	<10	150	<0.5	<2	0.22	0.5	7	31	23	2.50	10
CC96762		0.16	<0.2	0.85	<2	<10	110	<0.5	<2	0.11	<0.5	3	17	12	1.65	10
CC96763		0.26	<0.2	2.07	9	<10	160	0.7	<2	0.32	<0.5	13	41	30	3.19	<10
CC96764		0.20	<0.2	2.40	8	<10	170	0.5	<2	0.28	<0.5	11	42	31	3.34	10
CC96765		0.22	<0.2	2.43	17	<10	180	0.5	<2	0.21	<0.5	11	42	28	3.91	10
CC96766		0.24	<0.2	1.52	12	<10	160	<0.5	<2	0.17	<0.5	7	30	42	2.98	10
CC96767		0.26	0.2	2.60	16	<10	170	0.5	<2	0.23	<0.5	11	49	28	3.87	10
CC96768		0.24	0.4	2.24	119	<10	190	0.5	<2	0.20	0.8	18	54	29	3.96	10
CC96769		0.22	0.6	2.26	8	<10	140	0.5	<2	0.20	<0.5	8	36	16	3.39	10
CC96770		0.22	<0.2	2.59	15	<10	190	0.6	<2	0.26	<0.5	11	46	23	3.42	10
CC96771		0.24	<0.2	2.13	7	<10	180	1.2	<2	0.37	<0.5	22	67	40	3.73	10
CC96772		0.24	0.2	2.35	8	<10	180	0.9	<2	0.26	<0.5	15	59	75	3.75	10
CC96773		0.22	<0.2	2.26	6	<10	170	0.6	<2	0.25	<0.5	11	35	20	3.37	10
CC96774		0.28	<0.2	2.45	10	<10	190	<0.5	<2	0.17	0.5	12	39	17	3.84	10
CC96775		0.24	<0.2	2.01	26	<10	190	<0.5	<2	0.19	0.7	10	33	19	3.16	10
CC96776		0.20	0.4	1.79	15	<10	160	0.6	<2	0.29	1.2	8	33	21	3.38	10
CC96777		0.22	<0.2	1.93	11	<10	270	<0.5	<2	0.21	<0.5	9	35	23	3.36	10
CC96778		0.28	0.4	1.89	11	<10	210	0.5	<2	0.17	1.2	15	33	24	3.29	10
CC96779		0.22	0.4	2.60	22	<10	370	0.6	<2	0.21	1.8	12	47	42	3.57	10
CC96780		0.22	<0.2	1.85	12	<10	260	<0.5	<2	0.25	<0.5	9	35	31	3.22	10
CC96781		0.22	<0.2	2.08	12	<10	220	<0.5	<2	0.21	1.3	8	38	24	3.26	10
CC96782		0.26	<0.2	1.81	21	<10	230	1.0	2	0.40	0.5	12	44	43	3.44	10
CC96783		0.22	0.2	2.66	22	<10	310	2.3	2	0.48	1.2	14	50	60	4.70	10
CC96784		0.22	0.3	2.22	28	<10	180	1.1	2	0.28	0.5	13	36	34	3.53	10
CC96785		0.20	0.2	1.50	8	<10	180	0.5	<2	0.37	<0.5	9	30	26	3.18	10
CC96786		0.26	0.2	2.11	9	<10	270	0.6	<2	0.47	0.6	13	35	25	3.83	10
CC96787		0.26	<0.2	2.18	9	<10	270	0.6	<2	0.32	<0.5	16	53	26	3.63	10
CC96788		0.24	<0.2	2.31	12	<10	220	<0.5	<2	0.25	<0.5	12	39	22	3.46	10
CC96789		0.22	0.3	2.11	23	<10	210	0.5	<2	0.26	<0.5	9	40	23	3.35	10
CC96790		0.14	<0.2	1.86	6	<10	310	0.7	<2	1.09	<0.5	19	27	21	3.14	<10



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Plus Appendix Pages

Finalized Date: 15-JUL-2010

Account: F

Project: Selwyn

## CERTIFICATE OF ANALYSIS VA10091013

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	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
CC96751		<1	0.05	10	0.13	238	2	0.01	11	480	11	0.01	<2	2	10	<20
CC96752		1	0.09	10	0.40	274	2	0.01	16	540	12	0.02	3	3	29	<20
CC96753		1	0.08	10	0.41	357	2	0.01	19	1000	10	0.02	<2	3	17	<20
CC96754		1	0.12	10	0.58	361	2	0.01	30	480	10	0.04	4	4	20	<20
CC96755		1	0.11	10	0.67	231	1	0.02	38	720	13	0.05	<2	5	27	<20
CC96756		<1	0.04	10	0.25	80	1	0.02	14	420	9	0.05	<2	3	17	<20
CC96757		<1	0.05	10	0.18	161	1	0.01	8	410	5	0.02	<2	2	13	<20
CC96758		<1	0.08	10	0.58	506	1	0.02	23	830	13	0.01	<2	4	27	<20
CC96759		<1	0.06	10	0.50	364	<1	0.02	21	420	12	0.01	<2	4	17	<20
CC96760		<1	0.06	10	0.39	246	1	0.01	18	410	13	0.01	<2	3	15	<20
CC96761		<1	0.06	10	0.37	272	1	0.02	16	560	14	0.02	<2	3	18	<20
CC96762		1	0.03	10	0.12	83	1	0.01	8	230	7	0.01	<2	2	12	<20
CC96763		<1	0.07	10	0.62	391	<1	0.02	34	720	6	0.02	<2	4	26	<20
CC96764		<1	0.07	10	0.65	284	1	0.02	31	630	7	0.01	<2	4	19	<20
CC96765		1	0.08	10	0.62	297	1	0.02	29	570	7	0.01	<2	4	18	<20
CC96766		<1	0.07	10	0.33	257	2	0.01	22	430	11	0.01	<2	3	16	<20
CC96767		1	0.07	10	0.60	378	1	0.02	31	490	13	0.02	<2	4	21	<20
CC96768		<1	0.09	10	0.60	1110	2	0.01	34	680	11	0.01	<2	4	17	<20
CC96769		<1	0.09	10	0.46	386	1	0.02	22	360	11	0.02	2	3	17	<20
CC96770		<1	0.07	10	0.65	346	1	0.02	32	240	11	0.01	2	5	26	<20
CC96771		1	0.10	10	1.23	1135	1	0.02	82	1010	11	0.01	<2	4	29	<20
CC96772		<1	0.12	10	0.88	760	1	0.02	57	580	10	0.01	<2	4	21	<20
CC96773		1	0.06	10	0.51	593	1	0.02	18	290	11	0.01	5	5	23	<20
CC96774		1	0.06	10	0.49	386	1	0.01	22	440	11	0.01	<2	4	16	<20
CC96775		1	0.07	10	0.43	536	1	0.02	18	340	32	0.02	<2	4	18	<20
CC96776		1	0.08	10	0.38	383	1	0.02	18	590	13	0.02	<2	3	30	<20
CC96777		1	0.12	10	0.42	478	2	0.01	18	490	13	0.02	2	3	20	<20
CC96778		<1	0.08	10	0.36	1750	2	0.02	20	470	14	0.01	<2	4	18	<20
CC96779		1	0.09	10	0.52	473	3	0.02	30	570	13	0.02	<2	4	30	<20
CC96780		<1	0.07	10	0.38	328	1	0.01	27	520	14	0.02	<2	4	22	<20
CC96781		<1	0.07	10	0.44	484	<1	0.01	22	510	9	0.01	<2	4	20	<20
CC96782		<1	0.14	20	0.63	514	<1	0.02	28	990	12	0.01	<2	6	29	<20
CC96783		<1	0.40	30	0.83	885	2	0.02	36	1570	23	0.03	<2	7	38	<20
CC96784		<1	0.09	20	0.59	681	<1	0.02	20	470	17	0.01	<2	6	27	<20
CC96785		<1	0.10	10	0.37	815	<1	0.01	17	440	8	0.01	<2	3	29	<20
CC96786		<1	0.18	10	0.60	1000	<1	0.02	28	580	10	0.01	<2	4	40	<20
CC96787		<1	0.16	10	0.71	831	<1	0.01	36	240	8	<0.01	<2	5	23	<20
CC96788		<1	0.12	10	0.57	436	<1	0.01	26	290	8	<0.01	<2	4	20	<20
CC96789		<1	0.06	10	0.52	396	<1	0.01	23	300	8	<0.01	<2	4	20	<20
CC96790		<1	0.07	30	0.46	2340	<1	0.02	13	1220	8	0.08	<2	7	73	<20



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## CERTIFICATE OF ANALYSIS VA10091013

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.001
CC96751		0.11	<10	<10	92	<10	56	0.002
CC96752		0.13	<10	<10	94	<10	75	0.007
CC96753		0.11	<10	<10	100	<10	86	0.001
CC96754		0.13	<10	<10	96	<10	101	0.002
CC96755		0.13	<10	<10	72	<10	74	0.006
CC96756		0.07	<10	<10	40	<10	32	0.008
CC96757		0.07	<10	<10	49	<10	34	0.002
CC96758		0.12	<10	<10	77	<10	75	0.005
CC96759		0.12	<10	<10	85	<10	65	0.006
CC96760		0.13	<10	<10	92	<10	49	0.003
CC96761		0.10	<10	<10	66	<10	58	0.003
CC96762		0.10	<10	<10	62	<10	24	0.006
CC96763		0.13	<10	<10	76	<10	61	0.010
CC96764		0.12	<10	<10	79	<10	64	0.004
CC96765		0.12	<10	<10	89	<10	70	0.005
CC96766		0.09	<10	<10	77	<10	54	0.001
CC96767		0.12	<10	<10	96	<10	62	0.001
CC96768		0.13	<10	<10	106	<10	113	0.001
CC96769		0.09	<10	<10	80	<10	65	0.002
CC96770		0.10	<10	<10	90	<10	65	0.001
CC96771		0.21	<10	<10	107	<10	66	0.002
CC96772		0.19	<10	<10	105	10	64	0.001
CC96773		0.11	<10	<10	81	<10	53	0.002
CC96774		0.12	<10	<10	102	<10	72	0.001
CC96775		0.09	<10	<10	86	<10	71	0.001
CC96776		0.10	<10	<10	87	<10	72	0.002
CC96777		0.10	<10	<10	88	<10	75	0.004
CC96778		0.09	<10	<10	81	<10	75	0.002
CC96779		0.10	<10	<10	95	<10	91	0.004
CC96780		0.11	<10	<10	80	<10	65	0.003
CC96781		0.10	<10	<10	93	<10	75	0.009
CC96782		0.15	<10	<10	84	<10	86	0.008
CC96783		0.27	<10	<10	129	<10	122	0.003
CC96784		0.11	<10	<10	86	<10	80	0.004
CC96785		0.12	<10	<10	85	<10	46	0.003
CC96786		0.14	<10	<10	87	<10	66	0.002
CC96787		0.15	<10	<10	92	<10	73	0.001
CC96788		0.11	<10	<10	85	<10	60	0.001
CC96789		0.09	<10	<10	94	<10	60	0.002
CC96790		0.05	<10	<10	57	<10	56	0.003



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Sample Description	Method Analyte Units LOR	WEI-21	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	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC96791		0.12	<0.2	1.80	6	<10	390	0.5	<2	1.03	<0.5	23	25	13	3.69	<10
CC96792		0.16	<0.2	1.59	4	<10	300	<0.5	<2	1.20	<0.5	9	20	12	2.52	<10
CC96793		0.30	<0.2	1.73	3	<10	380	0.5	<2	0.56	<0.5	10	17	11	3.12	10
CC96794		0.24	<0.2	1.76	7	<10	260	<0.5	<2	0.42	<0.5	8	26	16	2.86	10
CC96795		0.22	<0.2	1.58	6	<10	150	<0.5	<2	0.29	<0.5	10	29	11	2.33	10
CC96796		0.22	<0.2	1.87	8	<10	390	<0.5	<2	0.39	<0.5	14	31	16	2.83	10
CC96797		0.22	<0.2	1.81	11	<10	390	<0.5	<2	0.34	<0.5	17	32	16	2.88	<10
CC96798		0.26	<0.2	1.09	9	<10	100	<0.5	<2	0.12	<0.5	4	21	13	2.26	10
CC96799		0.22	<0.2	1.59	14	<10	220	<0.5	<2	0.30	0.6	13	32	29	3.05	<10
CC96800		0.24	<0.2	2.51	11	<10	380	0.5	<2	0.34	<0.5	12	38	26	3.56	10
CC96801		0.14	0.2	1.60	8	<10	230	<0.5	<2	0.10	<0.5	6	27	21	2.29	10
CC96802		0.18	<0.2	1.68	15	<10	410	<0.5	<2	0.37	<0.5	19	48	21	2.93	10
CC96803		0.20	0.4	0.87	4	<10	360	<0.5	<2	0.26	<0.5	3	22	13	0.97	<10
CC96804		0.16	0.4	1.62	11	<10	630	<0.5	<2	0.26	0.7	8	33	39	2.47	10
CC96805		0.18	<0.2	0.80	24	<10	130	<0.5	<2	0.08	<0.5	4	25	27	3.02	10
CC96806		0.20	0.7	2.23	27	<10	970	0.5	<2	0.20	1.1	17	37	59	3.50	10
CC96807		0.20	0.2	2.33	21	<10	220	0.5	<2	0.12	0.7	9	39	28	3.43	10
CC96808		0.22	0.5	1.62	36	<10	820	<0.5	<2	0.27	1.0	13	38	48	4.34	<10
CC96809		0.22	0.6	1.87	30	<10	1470	<0.5	<2	0.59	1.7	10	35	45	2.57	10
CC96810		0.16	0.3	1.11	8	<10	190	<0.5	<2	0.21	<0.5	5	27	17	1.74	<10
CC96811		0.14	0.2	1.03	8	<10	240	<0.5	<2	0.21	<0.5	4	24	18	1.57	<10
CC96812		0.16	0.4	0.91	6	<10	440	<0.5	<2	0.69	1.0	11	19	22	2.06	<10
CC96813		0.22	0.2	1.77	12	<10	310	<0.5	<2	0.32	0.5	8	31	23	2.67	10
CC96814		0.16	<0.2	1.95	13	<10	130	<0.5	<2	0.12	0.5	8	35	18	4.31	10
CC96815		0.18	0.6	2.00	11	<10	490	<0.5	<2	0.36	0.6	6	34	25	2.28	10
CC96816		0.30	<0.2	2.11	8	<10	380	<0.5	<2	0.37	<0.5	13	36	21	2.93	10
CC96001		0.30	<0.2	1.51	10	<10	240	<0.5	<2	0.69	<0.5	10	23	21	2.36	<10
CC96002		0.22	<0.2	1.44	13	<10	210	<0.5	<2	0.57	<0.5	9	23	18	2.36	<10
CC96003		0.22	<0.2	1.66	16	<10	160	0.5	<2	0.85	0.5	9	29	30	2.60	10
CC96004		0.26	0.2	2.14	11	<10	400	0.5	<2	0.93	0.5	9	30	28	2.69	10
CC96005		0.24	<0.2	2.32	9	<10	360	0.5	<2	0.68	<0.5	9	34	24	2.92	10
CC96006		0.26	0.3	2.05	21	<10	260	0.5	<2	0.88	<0.5	12	35	35	2.90	<10
CC96007		0.26	0.5	1.68	26	<10	270	0.5	<2	0.80	0.6	11	30	33	2.75	<10
CC96008		0.26	0.5	2.44	15	<10	300	1.0	<2	0.92	0.5	11	42	45	3.06	10
CC96009		0.20	<0.2	3.48	16	<10	140	0.6	<2	0.18	<0.5	15	54	34	3.82	10
CC96010		0.18	<0.2	3.13	14	<10	180	0.6	<2	0.28	0.5	15	45	32	3.43	10
CC96011		0.22	<0.2	3.18	11	<10	240	0.6	<2	0.32	<0.5	13	43	22	4.12	10
CC96012		0.18	0.6	2.50	15	<10	230	0.5	<2	0.20	<0.5	12	43	25	4.27	10
CC96013		0.18	0.2	2.01	19	<10	190	<0.5	<2	0.23	<0.5	11	40	29	3.97	10
CC96014		0.28	<0.2	2.25	9	<10	250	0.5	<2	0.42	<0.5	12	44	42	3.15	10



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Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	
	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	
CC96791	<1	0.09	20	0.46	2160	<1	0.02	12	960	7	0.07	<2	6	71	<20	
CC96792	<1	0.08	10	0.50	638	<1	0.02	11	820	6	0.06	<2	4	78	<20	
CC96793	<1	0.13	30	0.61	386	<1	0.02	9	840	8	0.01	<2	8	29	<20	
CC96794	<1	0.06	10	0.45	359	<1	0.01	15	750	7	0.02	<2	5	30	<20	
CC96795	<1	0.04	10	0.45	707	<1	0.01	14	660	7	0.02	<2	3	21	<20	
CC96796	<1	0.07	10	0.39	1290	<1	0.01	17	820	8	0.03	<2	5	31	<20	
CC96797	<1	0.06	10	0.40	1230	<1	0.01	18	830	7	0.03	<2	4	27	<20	
CC96798	<1	0.03	10	0.19	201	<1	0.01	9	280	8	0.01	<2	2	12	<20	
CC96799	<1	0.06	10	0.40	596	<1	0.01	22	1050	7	0.03	<2	4	25	<20	
CC96800	<1	0.06	10	0.53	415	<1	0.02	25	700	8	0.02	<2	6	28	<20	
CC96801	<1	0.05	10	0.21	141	<1	0.01	13	940	6	0.05	<2	3	16	<20	
CC96802	<1	0.05	10	0.63	1040	<1	0.02	40	970	5	0.03	<2	4	31	<20	
CC96803	<1	0.04	10	0.20	76	<1	0.01	9	510	5	0.05	<2	1	22	<20	
CC96804	<1	0.06	10	0.37	163	1	0.02	20	850	7	0.05	<2	3	24	<20	
CC96805	<1	0.03	10	0.10	127	2	0.01	13	560	14	0.02	<2	2	18	<20	
CC96806	<1	0.06	10	0.37	657	2	0.02	24	1590	11	0.03	<2	3	23	<20	
CC96807	<1	0.04	10	0.36	347	1	0.01	21	790	7	0.02	<2	4	12	<20	
CC96808	<1	0.15	10	0.43	553	5	0.03	30	1770	13	0.27	5	4	63	<20	
CC96809	<1	0.08	20	0.41	369	1	0.02	27	1570	13	0.05	<2	3	60	<20	
CC96810	<1	0.04	10	0.28	169	<1	0.01	12	860	4	0.07	<2	1	18	<20	
CC96811	<1	0.04	10	0.25	83	<1	0.01	11	820	5	0.08	<2	1	20	<20	
CC96812	<1	0.03	10	0.14	1650	<1	0.02	12	1340	4	0.08	<2	3	46	<20	
CC96813	<1	0.06	10	0.48	159	<1	0.01	20	940	7	0.03	<2	4	25	<20	
CC96814	<1	0.05	10	0.33	403	1	0.01	17	490	9	0.02	<2	3	12	<20	
CC96815	<1	0.06	10	0.37	185	<1	0.01	19	1170	8	0.07	<2	4	36	<20	
CC96816	<1	0.08	10	0.45	831	1	0.02	21	920	11	0.03	<2	5	29	<20	
CC96001	1	0.07	10	0.43	428	1	0.02	19	710	8	0.06	<2	5	53	<20	
CC96002	1	0.09	10	0.43	444	1	0.02	20	740	8	0.04	<2	4	47	<20	
CC96003	1	0.10	20	0.53	915	1	0.02	24	680	8	0.06	<2	5	72	<20	
CC96004	<1	0.11	20	0.48	543	1	0.02	23	800	7	0.07	<2	6	78	<20	
CC96005	<1	0.13	10	0.49	451	1	0.02	23	780	7	0.04	<2	6	62	<20	
CC96006	<1	0.12	20	0.54	746	3	0.02	26	920	8	0.07	<2	6	61	<20	
CC96007	1	0.13	20	0.46	1115	2	0.02	27	1090	7	0.07	<2	5	56	<20	
CC96008	1	0.15	20	0.58	738	4	0.02	31	1130	13	0.07	<2	7	67	<20	
CC96009	1	0.08	10	0.68	388	1	0.02	33	490	9	0.01	<2	6	18	<20	
CC96010	1	0.06	10	0.55	309	2	0.02	43	460	6	0.02	<2	4	24	<20	
CC96011	1	0.07	10	0.64	468	1	0.02	29	430	8	0.02	2	5	30	<20	
CC96012	<1	0.07	10	0.52	435	2	0.02	30	670	11	0.02	<2	4	19	<20	
CC96013	1	0.10	10	0.50	342	4	0.02	25	770	9	0.02	<2	4	22	<20	
CC96014	<1	0.07	20	0.68	446	1	0.02	25	650	7	0.01	4	7	33	<20	



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## CERTIFICATE OF ANALYSIS VA10091013

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC96791		0.05	<10	<10	60	<10	64	0.002
CC96792		0.05	<10	<10	48	<10	62	<0.001
CC96793		0.05	<10	<10	50	<10	65	0.001
CC96794		0.05	<10	<10	52	<10	59	0.006
CC96795		0.06	<10	<10	51	<10	56	0.004
CC96796		0.03	<10	<10	57	<10	69	0.003
CC96797		0.04	<10	<10	63	<10	69	0.003
CC96798		0.12	<10	<10	87	<10	39	0.005
CC96799		0.07	<10	<10	62	<10	90	0.004
CC96800		0.08	<10	<10	72	<10	89	0.003
CC96801		0.06	<10	<10	46	<10	40	0.003
CC96802		0.08	<10	<10	66	<10	73	0.003
CC96803		0.04	<10	<10	16	<10	29	NSS
CC96804		0.06	<10	<10	49	<10	64	0.004
CC96805		0.11	<10	<10	98	<10	56	0.010
CC96806		0.07	<10	<10	74	<10	91	0.005
CC96807		0.09	<10	<10	78	<10	64	0.008
CC96808		0.09	<10	<10	79	<10	117	0.013
CC96809		0.04	<10	<10	44	<10	88	0.030
CC96810		0.04	<10	<10	28	<10	39	<0.001
CC96811		0.03	<10	<10	28	<10	40	<0.001
CC96812		0.03	<10	<10	30	<10	16	<0.001
CC96813		0.08	<10	<10	54	<10	84	0.005
CC96814		0.11	<10	<10	97	<10	68	0.002
CC96815		0.05	<10	<10	40	<10	64	0.005
CC96816		0.05	<10	<10	64	<10	79	0.002
CC96001		0.06	<10	<10	43	<10	66	0.013
CC96002		0.06	<10	<10	42	<10	76	0.003
CC96003		0.07	<10	<10	45	<10	77	0.005
CC96004		0.04	<10	<10	52	<10	78	0.001
CC96005		0.05	<10	<10	58	<10	85	0.003
CC96006		0.08	<10	<10	63	<10	77	0.006
CC96007		0.08	<10	<10	56	<10	83	0.008
CC96008		0.10	<10	<10	76	<10	95	0.007
CC96009		0.13	<10	<10	88	<10	68	0.003
CC96010		0.12	<10	<10	95	<10	62	0.002
CC96011		0.11	<10	<10	93	<10	73	0.002
CC96012		0.11	<10	<10	103	<10	65	0.001
CC96013		0.13	<10	<10	109	<10	57	0.001
CC96014		0.12	<10	<10	77	<10	61	0.003



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## CERTIFICATE OF ANALYSIS VA10091013

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC96015		0.22	0.5	3.47	39	<10	160	0.6	<2	0.27	<0.5	14	47	29	3.21	10
CC96016		0.22	0.2	2.36	21	<10	140	0.5	<2	0.22	<0.5	12	44	25	3.70	10
CC96017		0.20	0.2	2.18	11	<10	210	<0.5	<2	0.21	0.7	12	39	24	3.59	10
CC96018		0.24	0.6	2.80	27	<10	290	<0.5	<2	0.33	<0.5	10	44	36	3.88	10
CC96019		0.26	0.2	3.21	24	<10	230	0.6	<2	0.20	<0.5	13	46	48	3.76	10
CC96020		0.20	0.5	2.72	20	<10	240	0.6	<2	0.35	<0.5	13	48	31	3.91	10
CC96021		0.28	<0.2	2.70	18	<10	210	0.5	<2	0.29	<0.5	12	47	31	3.61	10
CC96022		0.26	<0.2	2.58	49	<10	170	0.5	<2	0.19	<0.5	12	49	39	3.80	10
CC96023		0.22	<0.2	1.85	35	<10	210	0.5	<2	0.32	<0.5	13	45	40	3.27	10
CC96024		0.26	<0.2	2.13	21	<10	220	0.5	<2	0.41	<0.5	13	50	39	3.44	10
CC96025		0.22	<0.2	2.25	21	<10	260	0.5	<2	0.54	<0.5	13	47	53	3.57	10
CC96026		0.20	<0.2	2.43	15	<10	250	<0.5	<2	0.27	<0.5	11	47	32	3.65	10
CC96027		0.24	0.2	2.02	13	<10	220	0.5	<2	0.31	<0.5	11	47	39	3.09	10
CC96028		0.20	<0.2	2.04	13	<10	190	<0.5	<2	0.25	<0.5	10	43	34	3.23	10
CC96029		0.26	<0.2	1.47	115	<10	160	0.5	<2	0.40	<0.5	11	36	51	3.17	10
CC96030		0.28	<0.2	2.60	38	<10	260	0.5	<2	0.50	<0.5	13	37	48	3.67	10
CC96031		0.28	<0.2	2.84	159	<10	150	0.6	<2	0.41	<0.5	10	34	53	3.88	10
CC96032		0.26	<0.2	2.04	14	<10	180	<0.5	<2	0.58	<0.5	11	45	48	3.39	10
CC96033		0.26	0.3	2.85	31	<10	220	0.7	<2	0.53	<0.5	13	45	58	4.19	10
CC96034		0.22	<0.2	3.17	26	<10	410	1.0	<2	0.46	<0.5	14	43	61	4.51	10
CC96035		0.22	<0.2	2.41	13	<10	240	0.6	<2	0.45	<0.5	12	39	35	3.70	10
CC96036		0.26	<0.2	2.18	27	<10	230	0.6	<2	0.36	<0.5	13	43	55	3.61	10
CC97001		0.18	0.2	0.94	9	<10	120	<0.5	<2	0.12	0.7	5	24	18	2.87	10
CC97002		0.14	0.3	1.13	12	<10	120	<0.5	<2	0.19	1.5	5	25	19	3.02	10
CC97003		0.20	<0.2	2.33	18	<10	280	0.5	<2	0.27	0.6	12	46	31	3.60	10
CC97004		0.16	<0.2	1.25	15	<10	170	<0.5	<2	0.16	0.7	7	29	20	3.01	10
CC97005		0.14	<0.2	0.75	4	<10	80	<0.5	<2	0.24	<0.5	2	21	8	1.02	<10
CC97006		0.22	<0.2	1.61	10	<10	120	<0.5	<2	0.23	<0.5	12	40	23	3.16	10
CC97007		0.26	<0.2	1.13	16	<10	70	<0.5	<2	0.17	<0.5	8	56	22	2.81	10
CC97008		0.20	<0.2	1.62	16	<10	140	<0.5	2	0.20	<0.5	10	34	23	3.12	10
CC97009		0.16	0.2	2.07	20	<10	250	<0.5	2	0.25	0.5	14	43	28	3.51	10
CC97010		0.16	0.4	2.53	11	<10	350	0.9	<2	0.38	0.8	18	40	45	3.32	10
CC97011		0.38	<0.2	2.00	19	<10	240	0.7	<2	0.44	<0.5	10	37	21	3.41	10
CC97012		0.30	<0.2	2.42	20	<10	280	0.6	2	0.28	<0.5	13	38	23	3.70	10
CC97013		0.20	<0.2	1.22	7	<10	90	<0.5	<2	0.16	<0.5	5	24	14	2.92	10
CC97014		0.18	<0.2	1.15	12	<10	130	<0.5	<2	0.19	0.5	7	24	17	2.59	10
CC97015		0.16	<0.2	1.24	13	<10	280	<0.5	<2	0.40	1.4	7	25	25	2.36	10
CC97016		0.26	0.2	2.00	30	<10	240	0.5	2	0.33	0.6	10	34	42	3.68	10
CC97017		0.28	0.3	2.23	26	<10	220	0.5	<2	0.49	<0.5	12	47	56	3.67	10
CC97018		0.24	<0.2	1.95	17	<10	190	<0.5	<2	0.34	<0.5	10	36	46	3.01	10



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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	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
CC96015		<1	0.06	10	0.53	271	3	0.02	32	710	7	0.02	<2	5	23	<20
CC96016		<1	0.09	10	0.55	347	4	0.02	28	870	9	0.01	<2	4	18	<20
CC96017		1	0.06	10	0.43	420	3	0.02	27	700	12	0.01	<2	4	19	<20
CC96018		1	0.08	10	0.66	374	4	0.02	37	480	9	0.01	<2	4	28	<20
CC96019		1	0.09	10	0.60	369	6	0.01	40	370	13	0.01	<2	5	22	<20
CC96020		<1	0.12	10	0.55	486	5	0.01	37	620	9	0.01	2	4	32	<20
CC96021		<1	0.09	10	0.65	347	3	0.02	29	280	9	0.01	<2	5	27	<20
CC96022		<1	0.14	10	0.60	389	6	0.02	37	380	13	0.01	5	5	18	<20
CC96023		<1	0.11	10	0.61	456	6	0.02	36	440	9	0.01	<2	5	27	<20
CC96024		<1	0.15	10	0.71	464	6	0.02	36	560	8	0.01	<2	6	31	<20
CC96025		1	0.20	10	0.65	517	6	0.03	31	680	8	0.03	<2	6	43	<20
CC96026		<1	0.14	10	0.58	349	2	0.02	30	500	9	0.02	<2	4	28	<20
CC96027		<1	0.13	10	0.66	525	2	0.02	29	460	5	0.02	<2	5	30	<20
CC96028		1	0.17	10	0.61	340	10	0.02	28	500	7	0.01	<2	5	21	<20
CC96029		<1	0.15	20	0.52	491	16	0.02	31	680	23	0.01	<2	8	32	<20
CC96030		<1	0.15	10	0.87	554	4	0.03	26	440	13	<0.01	<2	7	37	<20
CC96031		2	0.12	10	0.83	472	2	0.02	19	430	17	0.01	<2	7	27	<20
CC96032		1	0.12	20	0.74	412	<1	0.05	26	650	7	<0.01	<2	9	42	<20
CC96033		1	0.12	20	0.88	539	2	0.04	32	540	15	0.01	<2	12	43	<20
CC96034		1	0.27	10	0.94	781	4	0.02	31	470	10	0.01	2	10	42	<20
CC96035		<1	0.20	10	0.67	453	3	0.02	25	390	8	0.02	<2	6	37	<20
CC96036		<1	0.16	10	0.75	472	2	0.01	38	300	14	<0.01	<2	7	26	<20
CC97001		<1	0.06	10	0.13	291	1	0.01	16	490	13	<0.01	<2	2	9	<20
CC97002		<1	0.09	10	0.20	455	<1	0.01	14	530	9	<0.01	<2	2	13	<20
CC97003		<1	0.11	10	0.61	477	<1	0.02	31	530	11	<0.01	<2	4	21	<20
CC97004		<1	0.10	10	0.28	294	1	0.01	16	440	9	<0.01	<2	3	15	<20
CC97005		<1	0.04	10	0.15	65	<1	0.01	8	470	7	0.03	<2	2	20	<20
CC97006		<1	0.07	10	0.57	352	<1	0.02	26	620	10	<0.01	<2	4	16	<20
CC97007		<1	0.07	10	0.35	294	<1	0.01	16	600	11	0.01	<2	4	11	<20
CC97008		<1	0.10	10	0.44	465	<1	0.01	25	570	11	<0.01	<2	3	16	<20
CC97009		1	0.08	10	0.50	508	<1	0.02	27	560	24	<0.01	<2	5	22	<20
CC97010		<1	0.07	20	0.44	2190	<1	0.02	28	580	19	<0.01	<2	6	37	<20
CC97011		<1	0.09	20	0.58	542	<1	0.02	22	700	13	<0.01	<2	5	32	<20
CC97012		1	0.07	10	0.51	373	<1	0.01	30	540	9	<0.01	<2	4	33	<20
CC97013		<1	0.06	10	0.20	187	<1	0.01	11	450	10	<0.01	<2	3	13	<20
CC97014		<1	0.07	10	0.26	342	<1	0.01	15	490	9	<0.01	<2	2	16	<20
CC97015		<1	0.11	10	0.28	564	<1	0.02	17	800	9	<0.01	<2	3	28	<20
CC97016		<1	0.11	10	0.49	436	<1	0.02	24	950	11	<0.01	<2	5	25	<20
CC97017		<1	0.13	10	0.73	479	<1	0.02	40	860	8	0.02	<2	5	30	<20
CC97018		<1	0.10	10	0.64	304	<1	0.02	27	420	6	<0.01	<2	5	26	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.001
CC96015		0.10	<10	<10	69	<10	54	0.004
CC96016		0.13	<10	<10	97	<10	62	0.003
CC96017		0.10	<10	<10	94	<10	81	0.006
CC96018		0.11	<10	<10	92	<10	59	0.010
CC96019		0.08	<10	<10	87	<10	75	0.001
CC96020		0.08	<10	<10	105	<10	90	<0.001
CC96021		0.11	<10	<10	96	<10	60	<0.001
CC96022		0.10	<10	<10	90	<10	73	0.009
CC96023		0.10	<10	<10	78	<10	60	0.003
CC96024		0.12	<10	<10	90	<10	66	0.001
CC96025		0.12	<10	<10	93	<10	67	0.003
CC96026		0.13	<10	<10	95	<10	62	0.002
CC96027		0.13	<10	<10	78	<10	59	0.003
CC96028		0.13	<10	<10	88	<10	54	<0.001
CC96029		0.09	<10	<10	67	<10	76	0.028
CC96030		0.18	<10	<10	88	<10	69	0.004
CC96031		0.16	<10	<10	81	<10	71	0.002
CC96032		0.17	<10	<10	82	<10	57	0.003
CC96033		0.13	<10	<10	104	<10	71	0.003
CC96034		0.10	<10	<10	125	<10	82	<0.001
CC96035		0.09	<10	<10	86	<10	65	<0.001
CC96036		0.11	<10	<10	83	<10	68	<0.001
CC97001		0.09	<10	<10	77	<10	66	0.002
CC97002		0.10	<10	<10	81	<10	74	<0.001
CC97003		0.13	<10	<10	81	<10	105	0.002
CC97004		0.12	<10	<10	87	<10	60	0.001
CC97005		0.05	<10	<10	16	<10	23	<0.001
CC97006		0.12	<10	<10	73	<10	73	0.007
CC97007		0.11	<10	<10	84	<10	49	0.007
CC97008		0.09	<10	<10	74	<10	77	0.002
CC97009		0.06	<10	<10	82	<10	80	0.001
CC97010		0.09	<10	<10	78	<10	94	0.002
CC97011		0.13	<10	<10	69	<10	80	0.011
CC97012		0.10	<10	<10	76	<10	70	0.002
CC97013		0.14	<10	<10	84	<10	46	0.002
CC97014		0.09	<10	<10	61	<10	57	0.001
CC97015		0.08	<10	<10	56	<10	89	0.001
CC97016		0.09	<10	<10	80	<10	86	0.004
CC97017		0.12	<10	<10	79	<10	88	0.006
CC97018		0.12	<10	<10	72	<10	68	0.001



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## CERTIFICATE OF ANALYSIS VA10091013

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC97019		0.20	0.2	1.59	17	<10	220	<0.5	<2	0.29	<0.5	9	33	33	2.72	10
CC97020		0.24	0.2	1.76	57	<10	200	<0.5	<2	0.33	0.7	10	36	31	3.81	10
CC97021		0.20	0.2	1.31	10	<10	200	<0.5	<2	0.20	0.5	8	25	24	2.79	10
CC97022		0.32	0.4	1.67	16	<10	220	<0.5	<2	0.24	0.6	7	29	20	2.82	10
CC97023		0.30	0.2	1.25	17	<10	130	<0.5	<2	0.13	0.7	6	26	16	3.50	10
CC97024		0.26	0.2	2.68	16	<10	220	0.6	<2	0.47	<0.5	14	42	24	4.29	10
CC97025		0.20	<0.2	2.12	11	<10	180	<0.5	<2	0.22	<0.5	9	36	24	3.39	10
CC97026		0.22	<0.2	3.07	11	<10	330	0.6	<2	0.52	<0.5	16	49	18	4.63	10
CC97027		0.32	<0.2	2.52	7	<10	280	0.5	<2	0.40	<0.5	11	28	18	3.42	10
CC97028		0.32	<0.2	1.83	4	<10	390	<0.5	<2	0.44	<0.5	8	25	12	2.74	10
CC97029		0.32	<0.2	1.85	13	<10	90	<0.5	<2	0.11	<0.5	7	36	16	4.29	10
CC97030		0.26	<0.2	2.53	14	<10	170	<0.5	<2	0.16	<0.5	10	43	26	5.07	10
CC97031		0.18	<0.2	1.34	5	<10	120	<0.5	<2	0.19	<0.5	7	27	21	2.26	10
CC97032		0.34	<0.2	2.25	8	<10	210	0.5	<2	0.43	<0.5	12	42	31	3.48	10
CC97033		0.42	<0.2	1.77	29	<10	200	0.5	<2	0.29	<0.5	8	31	20	2.92	10
CC97034		0.18	<0.2	2.07	18	<10	490	1.1	<2	0.34	<0.5	20	38	23	6.91	10
CC97035		0.24	<0.2	2.44	11	<10	350	<0.5	<2	0.36	<0.5	12	40	17	4.07	10
CC97036		0.20	0.2	2.19	13	<10	290	<0.5	2	0.33	<0.5	15	36	17	3.95	10
CC97037		0.20	<0.2	2.20	11	<10	320	<0.5	<2	0.41	<0.5	11	36	19	3.08	10
CC97038		0.32	0.3	2.18	13	<10	390	<0.5	2	0.47	<0.5	10	37	24	3.36	10
CC97039		0.28	0.3	2.26	12	<10	380	<0.5	<2	0.45	<0.5	10	39	26	3.18	10
CC97040		0.28	<0.2	2.01	10	<10	400	<0.5	2	0.44	<0.5	11	36	26	3.01	10
CC97041		0.26	<0.2	1.45	9	<10	160	<0.5	<2	0.39	<0.5	8	30	17	2.38	<10
CC97042		0.28	0.4	1.88	16	<10	260	<0.5	<2	0.29	<0.5	6	34	30	2.62	10
CC97043		0.30	0.2	2.16	14	<10	320	0.7	2	0.62	<0.5	15	75	44	3.47	10
CC97044		0.16	0.2	0.69	11	<10	70	<0.5	2	0.10	<0.5	3	22	15	1.86	10
CC97045		0.26	0.2	1.94	19	<10	180	<0.5	<2	0.21	0.5	8	43	27	3.76	10
CC97046		0.28	1.0	2.85	15	<10	1450	0.5	<2	0.61	0.5	15	43	42	3.45	10
CC97047		0.26	0.6	2.98	17	<10	920	0.6	<2	0.59	0.8	16	44	32	3.42	10
CC97048		0.26	0.2	1.85	14	<10	310	<0.5	2	0.36	<0.5	21	40	17	2.87	10
CC97049		0.30	0.2	1.72	12	<10	270	<0.5	<2	0.36	<0.5	27	41	15	3.00	<10
CC97050		0.16	0.3	2.71	26	<10	240	0.6	2	0.19	<0.5	14	48	43	4.03	10
CC97051		0.14	0.2	0.60	4	<10	60	<0.5	<2	0.08	<0.5	3	17	14	1.16	<10
CC97052		0.20	0.2	1.82	6	<10	150	<0.5	<2	0.45	<0.5	5	36	14	1.81	10
CC97053		0.18	0.2	1.80	5	<10	230	<0.5	2	0.46	<0.5	9	32	14	2.44	<10
CC97054		0.30	0.2	2.02	7	<10	380	<0.5	<2	0.84	<0.5	10	25	8	3.63	10
CC97055		0.34	<0.2	2.06	6	<10	430	0.5	<2	0.62	<0.5	9	22	7	3.45	10



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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	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC97019		<1	0.12	10	0.49	453	<1	0.02	25	630	7	0.02	<2	4	24	<20
CC97020		<1	0.12	10	0.55	412	<1	0.01	32	850	14	0.02	<2	4	26	<20
CC97021		<1	0.05	10	0.20	1125	<1	0.02	14	710	8	<0.01	<2	2	17	<20
CC97022		<1	0.07	10	0.33	209	<1	0.02	17	650	12	<0.01	<2	3	22	<20
CC97023		<1	0.06	10	0.24	197	<1	0.01	16	650	9	<0.01	<2	2	12	<20
CC97024		<1	0.07	10	0.55	453	<1	0.02	33	400	9	<0.01	<2	5	30	<20
CC97025		<1	0.06	10	0.50	342	<1	0.02	22	270	8	<0.01	<2	4	18	<20
CC97026		<1	0.08	10	0.70	873	<1	0.02	27	210	10	<0.01	<2	6	36	<20
CC97027		<1	0.11	10	0.59	601	<1	0.02	20	650	7	<0.01	<2	6	25	<20
CC97028		<1	0.10	20	0.50	324	<1	0.02	14	800	7	<0.01	<2	5	27	<20
CC97029		<1	0.05	10	0.34	286	<1	0.01	13	320	7	<0.01	<2	3	12	<20
CC97030		<1	0.05	10	0.46	424	<1	0.01	25	350	7	<0.01	<2	5	12	<20
CC97031		<1	0.05	10	0.29	319	<1	0.01	14	510	7	<0.01	<2	2	17	<20
CC97032		<1	0.06	10	0.69	572	<1	0.02	25	580	6	<0.01	<2	8	32	<20
CC97033		<1	0.07	20	0.42	347	<1	0.01	14	400	8	<0.01	<2	4	23	<20
CC97034		<1	0.07	20	0.24	557	1	0.02	11	2110	10	0.05	<2	8	27	<20
CC97035		<1	0.07	10	0.50	497	<1	0.02	20	890	8	<0.01	<2	6	26	<20
CC97036		<1	0.06	10	0.49	698	<1	0.01	19	920	11	0.03	<2	6	23	<20
CC97037		<1	0.06	10	0.52	316	<1	0.01	19	880	9	0.02	<2	6	28	<20
CC97038		<1	0.07	10	0.54	296	<1	0.02	22	870	10	0.01	<2	7	35	<20
CC97039		1	0.06	10	0.58	257	<1	0.02	22	880	9	0.01	<2	7	36	<20
CC97040		<1	0.05	20	0.53	326	<1	0.02	21	830	9	0.02	<2	7	32	<20
CC97041		1	0.07	10	0.45	176	<1	0.01	22	990	7	0.02	<2	3	25	<20
CC97042		1	0.05	10	0.46	138	1	0.01	17	1070	10	0.04	<2	3	28	<20
CC97043		<1	0.06	10	1.50	371	<1	0.02	81	1210	6	0.01	<2	7	56	<20
CC97044		<1	0.04	<10	0.09	156	2	0.01	10	730	8	0.03	<2	1	12	<20
CC97045		<1	0.10	10	0.51	273	1	0.01	26	550	8	0.05	<2	4	30	<20
CC97046		1	0.12	10	0.50	680	<1	0.02	36	1080	11	0.07	<2	8	67	<20
CC97047		<1	0.11	20	0.52	980	<1	0.02	32	1180	46	0.07	<2	7	57	<20
CC97048		<1	0.06	10	0.60	645	1	0.02	27	1090	9	0.05	<2	4	30	<20
CC97049		<1	0.06	10	0.62	1315	1	0.02	32	1040	8	0.03	<2	4	29	<20
CC97050		<1	0.07	10	0.44	939	<1	0.01	28	920	12	0.06	<2	5	18	<20
CC97051		<1	0.03	<10	0.06	59	1	0.01	5	620	8	0.06	<2	1	10	<20
CC97052		<1	0.05	10	0.44	128	<1	0.02	15	970	10	0.07	<2	4	38	<20
CC97053		<1	0.05	10	0.46	765	<1	0.01	16	750	8	0.05	<2	4	39	<20
CC97054		<1	0.09	10	0.64	732	<1	0.02	11	1040	10	0.04	<2	6	56	<20
CC97055		<1	0.13	20	0.55	228	<1	0.02	9	830	11	0.02	<2	6	39	<20



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		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.001
CC97019		0.09	<10	<10	62	<10	62	<0.001
CC97020		0.09	<10	<10	74	<10	104	0.004
CC97021		0.08	<10	<10	72	<10	70	0.002
CC97022		0.10	<10	<10	74	<10	53	0.004
CC97023		0.11	<10	<10	95	<10	62	0.002
CC97024		0.10	<10	<10	93	<10	62	0.001
CC97025		0.10	<10	<10	87	<10	48	0.004
CC97026		0.15	<10	<10	108	<10	70	<0.001
CC97027		0.08	<10	<10	61	<10	57	0.002
CC97028		0.07	<10	<10	52	<10	47	0.002
CC97029		0.11	<10	<10	107	<10	49	0.002
CC97030		0.14	<10	<10	110	<10	55	0.002
CC97031		0.07	<10	<10	50	<10	45	<0.001
CC97032		0.14	<10	<10	77	<10	61	0.005
CC97033		0.06	<10	<10	55	<10	52	0.013
CC97034		0.01	<10	<10	79	<10	60	0.001
CC97035		0.07	<10	<10	71	<10	73	0.001
CC97036		0.07	<10	<10	71	<10	69	0.003
CC97037		0.09	<10	<10	67	<10	70	0.002
CC97038		0.09	<10	<10	71	<10	70	0.003
CC97039		0.11	<10	<10	71	<10	70	0.002
CC97040		0.10	<10	<10	65	<10	69	0.002
CC97041		0.11	<10	<10	56	<10	55	0.002
CC97042		0.08	<10	<10	63	<10	58	0.006
CC97043		0.14	<10	<10	78	<10	69	0.003
CC97044		0.04	<10	<10	59	<10	24	<0.001
CC97045		0.12	<10	<10	87	<10	75	0.001
CC97046		0.06	<10	<10	67	<10	107	0.004
CC97047		0.07	<10	<10	69	<10	99	0.005
CC97048		0.09	<10	<10	66	<10	74	0.003
CC97049		0.09	<10	<10	67	<10	69	0.003
CC97050		0.07	<10	<10	85	<10	90	0.011
CC97051		0.03	<10	<10	32	<10	18	<0.001
CC97052		0.07	<10	<10	43	<10	47	0.004
CC97053		0.06	<10	<10	56	<10	67	0.001
CC97054		0.06	<10	<10	64	<10	76	<0.001
CC97055		0.04	<10	<10	62	<10	61	0.001



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Dollarton Hwy

North Vancouver BC V7H 0A7

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

To: ARCHER, CATHRO AND ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Page: Appendix 1

Total # Appendix Pages: 1

Finalized Date: 15-JUL-2010

Account: F

Project: Selwyn

**CERTIFICATE OF ANALYSIS VA10091013**

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

QW29785

Statement of Expenditures  
NNN 1-36 Mineral Claims  
April 15, 2011



Labour

H. Smith (geologist) September to December 2010 – 13 hrs @ \$75/hr	\$ 1,092.00
January to April 2011 – 1 hrs @ \$90/hr	100.80
N. Sheshi (field assistant) June to July 2010 – 3 days @ \$336/day	1,128.96
D. Hogarth (field assistant) June to July 2010 – 3 days @ \$328/day	1,102.08
C. Candlish-Rutherford (field assistant) July 2010 – 3 days @ \$304/day	<u>1,021.44</u>
	4,445.28

Expenses

Field room and board – 9 mandays @ \$125/manday	1,260.00
Capital Helicopters	5,318.74
ALS Chemex	<u>3,469.97</u>
	10,048.71

Total \$14,493.99

# CAPITAL HELICOPTERS (1995) INC.

Suite 3 - 25 Pilgrim Place, Whitehorse, Y.T. Y1A 6E6  
 Phone: (867) 668-6200 Fax: (867) 668-6201  
 capitalheli@polarcom.com



**Charter and Contract Service**

## INVOICE

NO. 11328



SOLD TO

Archer Cathro  
 Suite 1016, 510 West Hastings  
 Vancouver, B. C. V6B 1L8

SHIP TO

Archer Cathro  
 Suite 1016, 510 West Hastings  
 Vancouver, B. C. V6B 1L8

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	GST	PST	UNIT PRICE	AMOUNT	
June 26	2.4	hrs	YXY-Nansen split ferry-s/o Narland and p/u Colorado crk area <i>NNN</i>	G		1,025.00	2,460.00	
June 27	2.5	hrs	Nansen-Narland crew-s/o and p.u-NNN Colorado crk area	G		1,025.00	2,562.50	
June 28	2.0	hrs	Nansen-s/o-Narland-p/u-LLL	G		1,025.00	2,050.00	
June 29	2.2	hrs	Nansen-s/o-Narland-p/u-LLL	G		1,025.00	2,255.00	
	9.1	57.0 ltrs	fuel@YXY	G		1.40	79.80	
			G - GST 5.00% GST				470.37	
Capital Helicopters (1995) Inc. GST: #899587984								
Thank You! Your Business Is Appreciated! Fuel Price includes Federal and Yukon Tax							<b>TOTAL</b>	9,877.67

↗ ( A - LLL - 4538.94 )  
 ↗ ( A - NNN - 5318.74 )

↗ Settlement - 9407.30



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
 ALS Canada Ltd

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

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

**INVOICE NUMBER 2103591**

BILLING INFORMATION		ANALYSED FOR		
QUANTITY	CODE	DESCRIPTION	UNIT PRICE	TOTAL
157	PREP-41	Dry, Sieve (180 um) Soil	0.96	150.72
36.12	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	1.80	65.02
157	ME-ICP41	35 Element Aqua Regia ICP-AES	4.92	772.44
157	GEO-AR01	Aqua regia digestion	2.45	384.65
156	AU-ICP21	Au 30g FA ICP-AES Finish	11.06	1,725.36
				<b>1,725.36</b>

*Selwyn N.A.D.*

**Certificate: VA10091013**  
**Sample Type: Soil**  
**Account: F**  
**Date: 15-JUL-2010**  
**Project: Selwyn**  
**P.O. No.: NNN**  
**Quote: ALSM-CW10-030-F**  
**Terms: Net 30 Days**  
**Comments: C1**

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

SUBTOTAL (CAD) \$ 3,098.19  
 R100938885 HST BC \$ 371.78  
**TOTAL PAYABLE (CAD) \$ 3,469.97**

Payment may be made by: Cheque or Bank Transfer  
 Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098



Please Remit Payments To:  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7