

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

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

describing

SOIL GEOCHEMICAL SAMPLING

at the

WCK PROPERTY

WCK 1-18 YD05873-YD05890

NTS 115N/01

Latitude 63°03'N; Longitude 140°09'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.
and
SILVER QUEST RESOURCES LTD.

by

H. Smith, B.Sc. Geology, GIT
February 2010

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INTRODUCTION

The WCK property is a copper±molybdenum±gold porphyry target. It is located in west-central Yukon, six kilometres east of the White River. At the time of the exploration program, the property was owned 100% by ATAC Resources Ltd.; however, it has subsequently been sold to Silver Quest Resources Ltd.

This report describes a soil sampling program that was conducted by a three person crew on September 9, 2009. The work was done by Archer, Cathro & Associates (1981) Limited on behalf of ATAC. The author participated in the program and her Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The WCK property comprises 18 contiguous mineral claims located at latitude 63°03'N and longitude 140°09'W on NTS map sheet 115N/01, as shown on Figure 1. The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC pending completion of the sale. Claim data are listed below while the locations of individual claims are illustrated on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
WCK 1-18	YD05873-YD05890	June 26, 2010

*Expiry date does not include 2009 work, which has not yet been filed for assessment credit.

Access to the property in 2009 was via a Bell 206B helicopter owned by Fireweed Helicopters Ltd. and operated from its permanent base in Dawson City. There is no road access to the WCK property.

HISTORY

The area now covered by the WCK property was originally staked as the Aries claims in 1969 by Quintana Mineral Corporation following a regional-scale stream sediment survey that identified anomalous gold, arsenic and antimony values from a creek draining the area. Quintana performed grid soil sampling, mapping and bulldozer trenching in 1970. No assessment report was filed and the claims were allowed to lapse following this work.

The area explored by Quintana was restaked as the Eyrie claims by D. Millburn in 1975 and as the Hope claims by O. Davis in 1994; however, there is no public record of work performed.

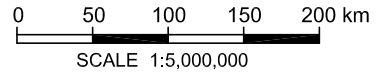
S. Ryan restaked part of the original Aries claims as the CU claims in 1998. Work performed included rock, soil and silt sampling (Ryan, 1999). These claims are still active and lie immediately north of the WCK property.

Prime Properties staked the OHGO claims in 1999. These claims were located two kilometres southeast of the CU claims and included an area that is now part of the WCK property. Prime

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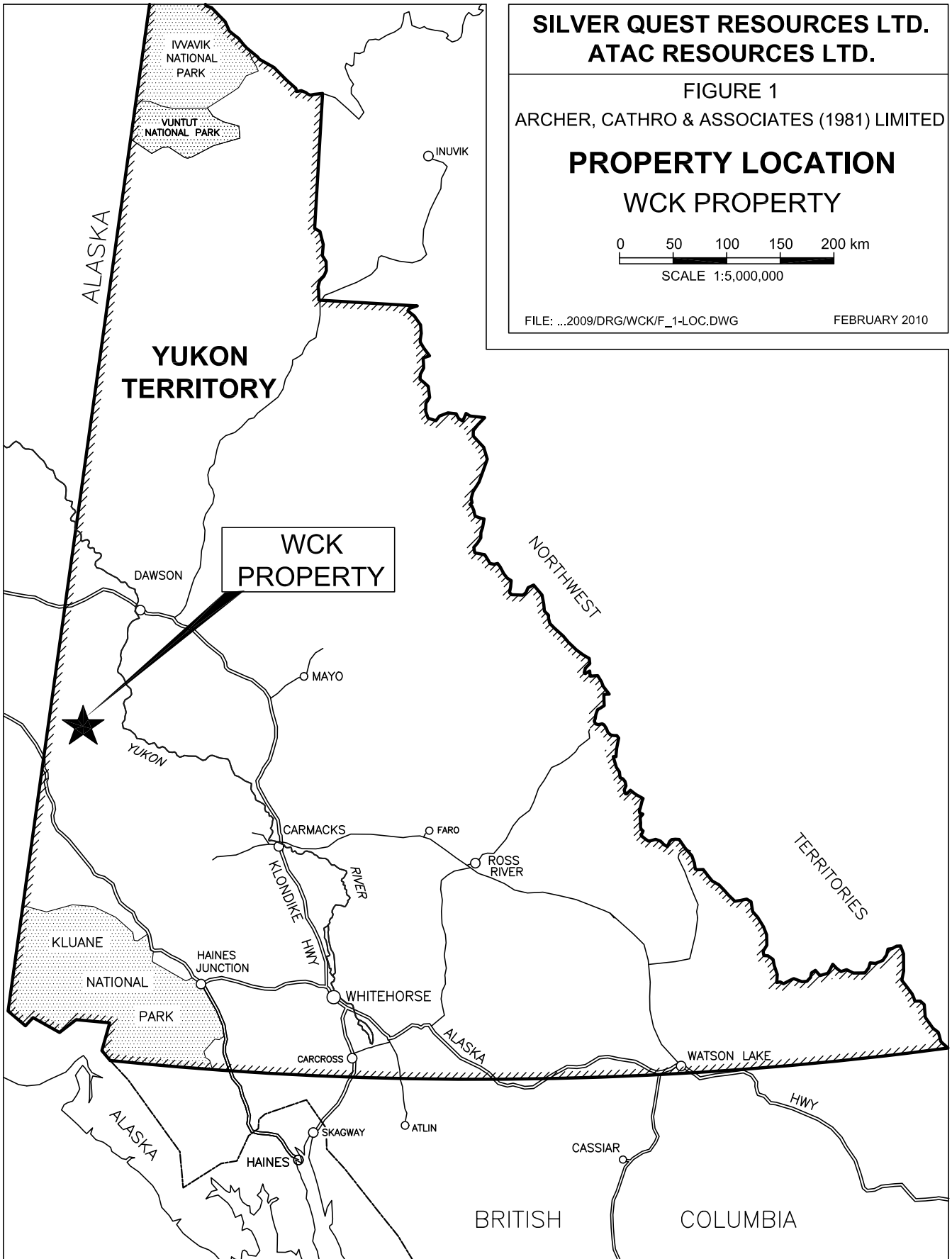
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

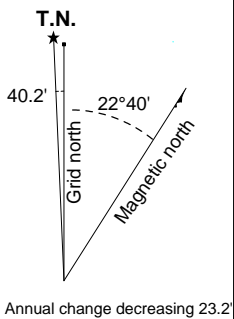
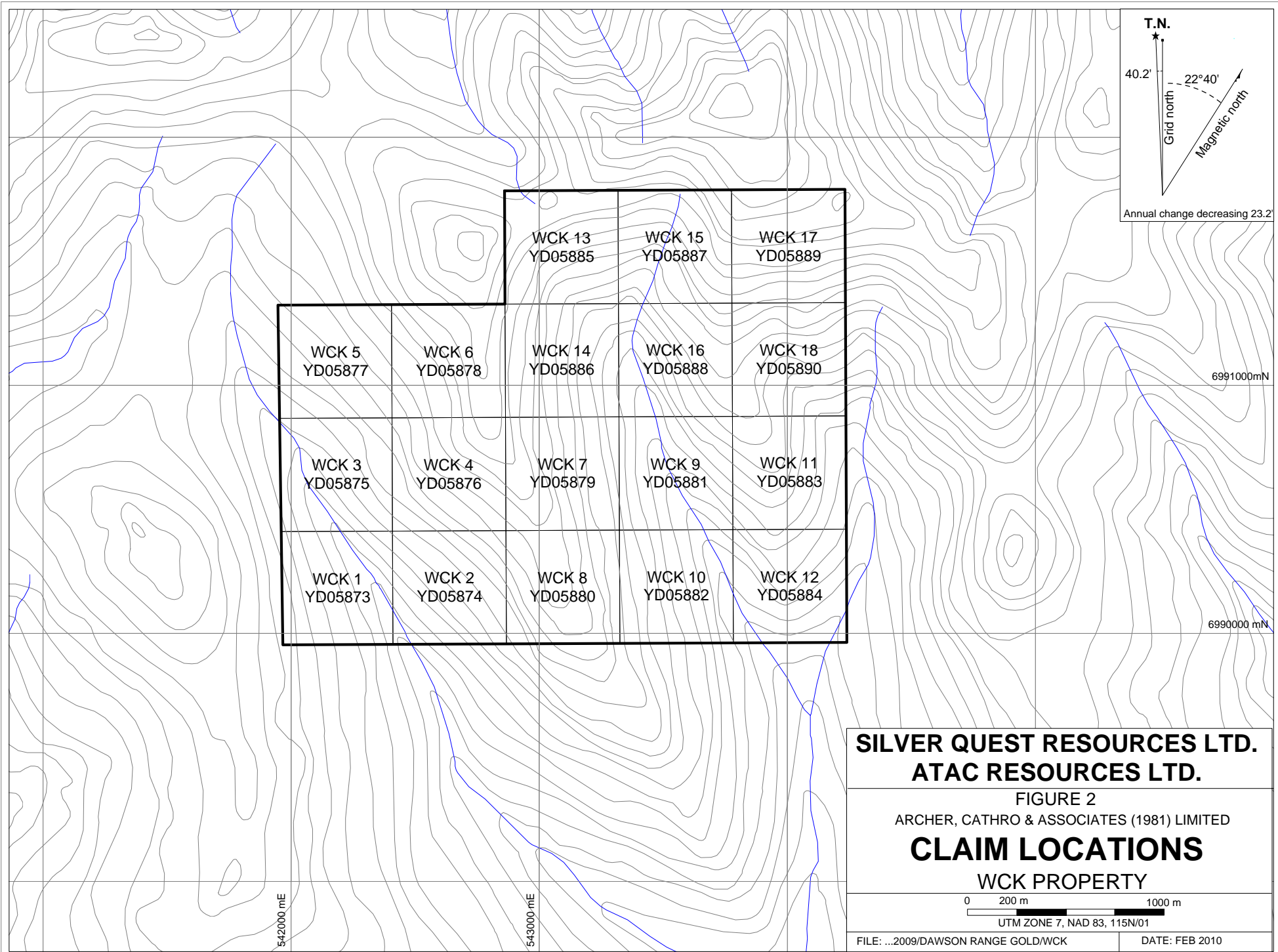
**PROPERTY LOCATION
WCK PROPERTY**



FILE: ...2009/DRG/WCK/F_1-LOC.DWG

FEBRUARY 2010





		WCK 13 YD05885	WCK 15 YD05887	WCK 17 YD05889
WCK 5 YD05877	WCK 6 YD05878	WCK 14 YD05886	WCK 16 YD05888	WCK 18 YD05890
WCK 3 YD05875	WCK 4 YD05876	WCK 7 YD05879	WCK 9 YD05881	WCK 11 YD05883
WCK 1 YD05873	WCK 2 YD05874	WCK 8 YD05880	WCK 10 YD05882	WCK 12 YD05884

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FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS
 WCK PROPERTY

0 200 m 1000 m
 UTM ZONE 7, NAD 83, 115N/01

FILE: ...2009/DAWSON RANGE GOLD/WCK DATE: FEB 2010

Properties optioned its claims to Prospector International Resources Inc., which performed cursory geochemical sampling. The highest stream sediment sample values collected from creeks draining the WCK property were 17 ppb gold, 222 ppm arsenic, 4.49 ppm antimony, 45 ppm copper, 45 ppm lead and 90 ppm mercury. Peak soil sample values were 11.9 ppb gold, 52.3 ppm arsenic, 1.52 ppm antimony, 35.33 ppm copper, 69 ppm mercury and 62 ppm lead (Jaworski and Meyer, 2000). Deltango Gold Limited staked the Au and P claims in 1999 with the P claims adjoined the OHGO claims on the north, east and west sides and the Au claims on the west side. Deltango performed geochemical sampling and geological mapping (Jilson and Brownlee, 2000). The assessment report for this work shows detailed statistical analyses done on the rock and soil samples; however, there are no sample location maps. The OHGO, Au and P claims were subsequently allowed to lapse.

S. Ryan staked the Wolf claims in February 2009. These claims lie immediately west of the WCK property.

ATAC staked the WCK property in June 2009. ATAC sold the property to Silver Quest in December 2009.

GEOMORPHOLOGY

The property lies in the northwestern part of the Dawson Range of western Yukon Territory. This part of the Dawson Range escaped Pleistocene glaciation. The property is drained by three tributaries of Wolf Creek, which flows into the White River. All of these drainages are part of the Yukon River watershed.

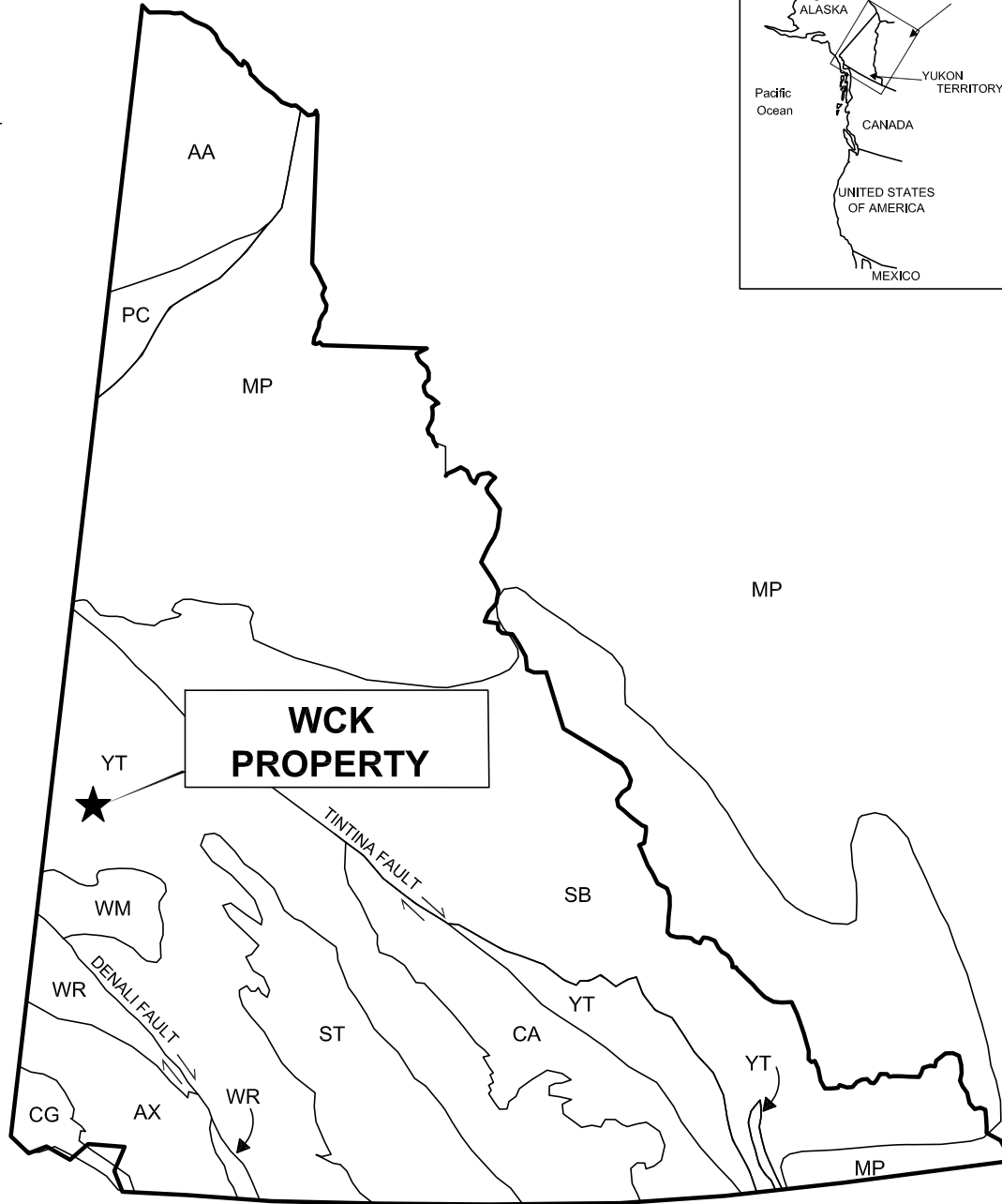
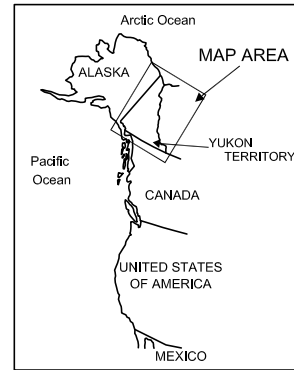
The geomorphological setting is gentle to rugged, sub-alpine to alpine terrain with local elevations ranging from 790 to 1465 m above sea level. Vegetation at lower elevations is characterized by dense forest composed of deciduous and evergreen trees giving way to thick buckbrush and moss. Blocky talus slopes predominate above 1250 m. Bedrock is mostly confined to ridge crests.

GEOLOGY

The WCK property lies within the Yukon-Tanana Terrane approximately 125 km southwest of the Tintina Fault (Figure 3). The area was mapped by Tempelman-Kluit (1974) and his geology was re-evaluated as part of a territory-wide compilation by Gordey and Makepeace (1999). Figure 4 illustrates geology in the vicinity of the WCK property.

The oldest rocks in the area are assigned to the Devonian, Mississippian and older (?) Nasina Assemblage (DMN3). This unit has been described by Gordey and Makepeace (1999) as quartzite, micaceous quartzite and quartz-muscovite (\pm chlorite; \pm feldspar augen) schist with minor metaconglomerate and metagrit. The southeast corner of the WCK property has been mapped as DMN3.

Approximately seven kilometres southwest of the WCK property there is a body of Late Devonian to Mississippian Pelly Gneiss Suite (DMgPW). Gordey and Makepeace (1999)



ANCESTRAL NORTH AMERICA

- MP Mackenzie Platform
- SB Selwyn Basin

TERRANES
Displaced Continental Margin

- AA Arctic Alaska
- CA Cassiar
- PC Porcupine

Pericratonic Terranes

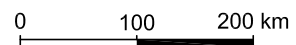
- YT Yukon-Tanana / Slide Mountain

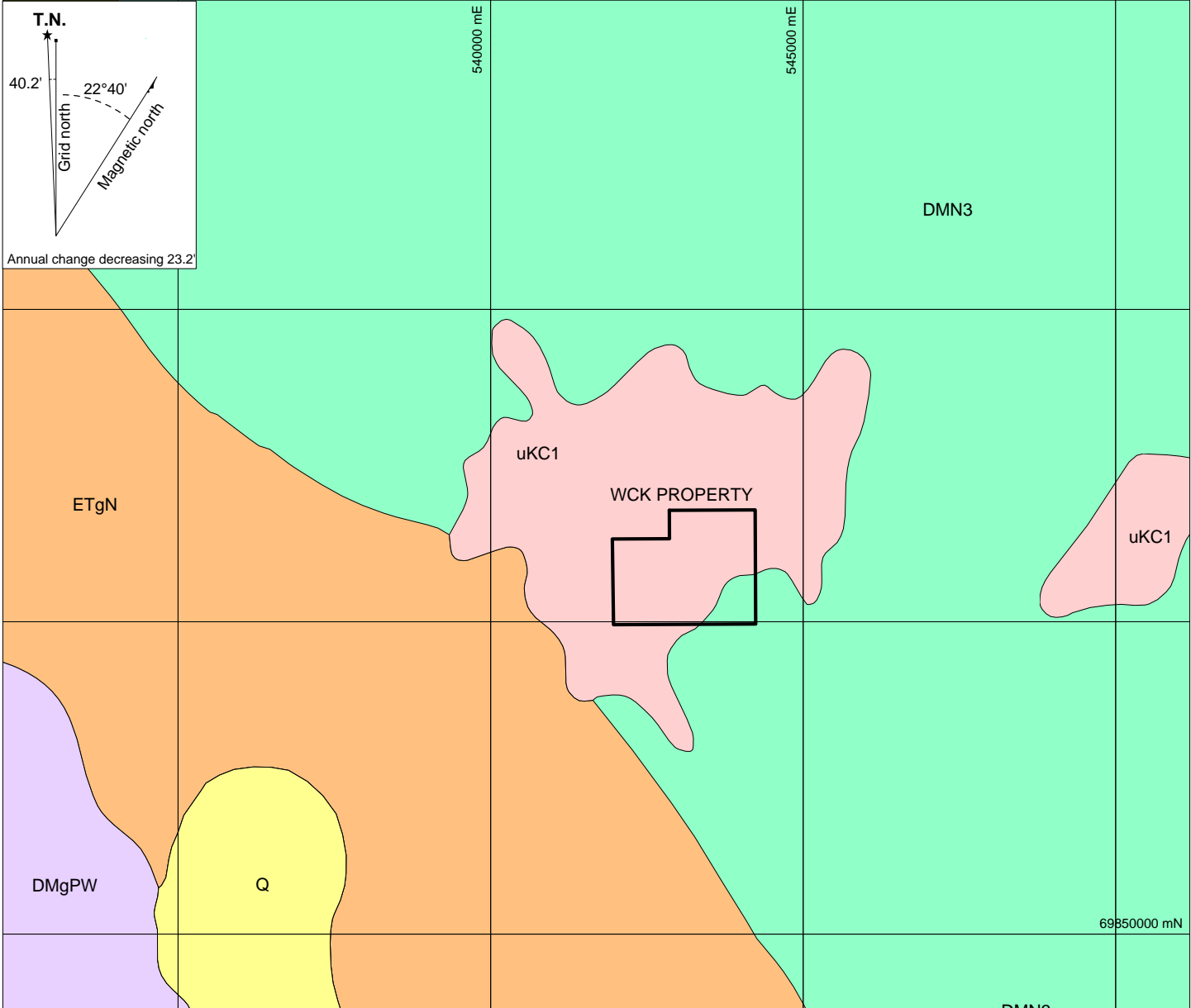
ACCRETED TERRANES

- ST Slikinia / Cache Creek
- AX Alexander
- WR Wrangellia
- CG Chugach
- WM Windy McKinley

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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**TECTONIC SETTING
WCK PROPERTY**

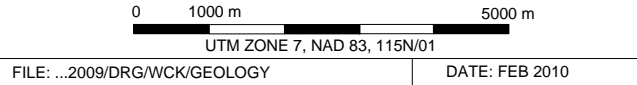




- QUATERNARY**
- OVERBURDEN**
- Q** Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits.
- UPPER CRETACEOUS**
- CARMACKS GROUP**
- uKC1** Augite olivine basalt and breccia; hornblende-feldspar porphyry with andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks.
- EARLY TERTIARY**
- NISLING RANGE SUITE**
- ETgN** Leucocratic, biotite granite; miarolitic alkali feldspar granite; saccharoidal textured, mafic-poor biotite granite; biotite-hornblende granite to leucocratic granodiorite with sparse white, alkali feldspar phenocrysts; biotite quartz monzonite.
- LATE DEVONIAN TO MISSISSIPPIAN**
- PELLY GNEISS SUITE-SOUTHWEST**
- DMgPW** Foliated, medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss.
- DEVONIAN, MISSISSIPPIAN AND OLDER**
- NASINA ASSEMBLAGE**
- DMN3** Quartzite, micaceous quartzite, quartz muscovite (± chlorite; ± feldspar augen) schist, and minor metaconglomerate and metagrit.

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GEOLOGY
WCK PROPERTY



describe this unit as foliated, medium grained, homogeneous biotite gneiss to biotite or hornblende granodiorite gneiss and massive to strongly foliated dioritic to granodioritic gneiss with interfoliated amphibolite, quartz-mica schist and phyllite.

About one kilometre southwest of the WCK property lies a seven kilometre wide, northwest trending pluton of Early Tertiary Nisling Range Suite (ETgN). ETgN has been described as: leucocratic, biotite granite; miarolitic alaskite; saccharoidal textured, mafic-poor biotite granite; biotite quartz monzonite; and, biotite-hornblende granite to leucocratic granodiorite with sparse white alkali feldspar phenocrysts (Gordey and Makepeace, 1999).

Most of the WCK property is underlain by Upper Cretaceous Carmacks Group Volcanics (uKC1). This unit has been described by Gordey and Makepeace (1999) as a volcanic succession dominantly comprised of olivine basalt and breccia, hornblende feldspar porphyry and andesite and dacite flows with minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks. In 1999, mapping by Deltango observed thin layers of inter-layered rhyolitic tuff and fragmentals containing up to 10% disseminated pyrite (Jilson and Brownlee, 2000).

No regional-scale faults are mapped in the immediate vicinity of the WCK property.

No property-scale mapping was completed in 2009.

SOIL GEOCHEMISTRY

A total of 74 augered soil samples were taken during the 2009 program. Augered samples were used to test as deep in the soil profile as possible. They were collected at 50 m spacings along three traverse lines. Two lines trend north and lie on, or downslope from, a ridge crest. The third line is a contour line positioned downslope from a ridge crest in the western part of the property. All soil sample sites were located by means of compass and hip chain surveys with frequent checks using hand-held GPS units. The sites were marked with two pieces of orange flagging labelled with the corresponding sample number. Soil samples were taken from the bottoms of 25 to 60 cm deep holes and were placed into individually pre-numbered kraft paper bags. Soil sample locations are illustrated on Figure 5.

Multi-element analyses for soil samples were carried out at ALS Chemex in North Vancouver, B.C. The samples were dried and sieved to -80 mesh. The fine fraction was then analyzed for gold and 35 other elements (Au-ICP21 and ME-ICP41). Certificates of Analysis are in Appendix II.

Results from the 2009 soil sampling program were encouraging. The anomalous thresholds used for interpreting the soil geochemical data are provided in Table I.

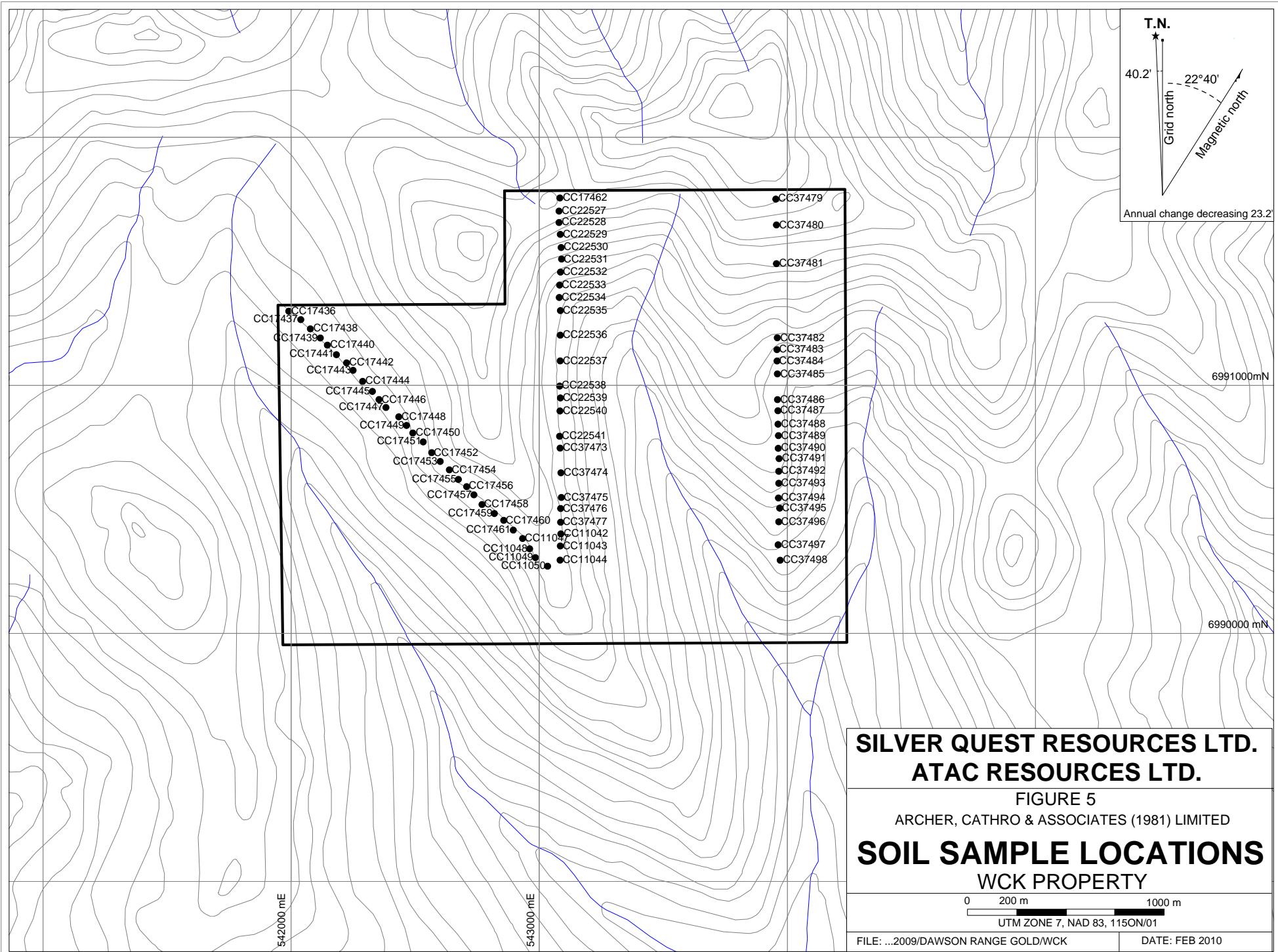


Table I - Soil Geochemical Statistics

Element	Background	Moderate	Strong	Peak Value
Gold (ppb)	2	≥10 <20	≥ 20	110
Arsenic (ppm)	0.1	≥100 <200	≥ 200	1950
Antimony (ppm)	0.02	≥10 <20	≥ 20	191
Bismuth (ppm)	0.02	≥10 <20	≥ 20	46
Copper (ppm)	0.01	≥50 <100	≥ 100	466

A number of soil samples returned strongly anomalous values for gold (4), arsenic (18), antimony (3), bismuth (8), and copper (16). These samples were all collected from within areas underlain by Unit uKC1.

DISCUSSION AND CONCLUSIONS

Based on the favourable results from the 2009 program and the low sample density, additional work is definitely warranted on the property. This work should include a property-wide, closely-spaced, deep auger grid soil sampling program to thoroughly evaluate the mineral potential on the entire WCK property. Mapping and prospecting should be completed in conjunction with the soil sampling.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith B.Sc. Geology, GIT

REFERENCES

Gordey, S.P. and Makepeace, A.J. (comp.).

1999 Yukon digital geology; Geological Survey of Canada; Open File D3826 and Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.

Jaworski, B.J. and Meyer, B.

2000 Geological and Geochemical Report on the OHGO claims; Prepared for Prospector International Resources Inc.; Assessment Report 094063.

Jilson, G. and Brownlee, D.J.

2000 Geochemical and Geological Report on the Au and P claims; Prepared for Deltango Gold Limited; Assessment Report 094173.

Templelman-Kluit, D.J.

1974 Reconnaissance Geology of the Snag River Map Area, Yukon; Geological Survey of Canada.

Ryan, S.

1999 Geochemical Report on the CU property, Dawson Mining District; Assessment Report 094074.

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 Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 150000).
4. I have personally participated in the fieldwork reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc. Geology, GIT

4W 28540

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1016 – 510 West Hastings Street
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AFFIDAVIT



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

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the WCK 1-18 mineral claims
on Claim Sheet 115N/1 is accurate.


Joan Mariacher

Sworn before me at Vancouver, B.C.

this 24th day of March 2010.



Barrister & Solicitor

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

Statement of Expenditures
WCK 1-18 Mineral Claims
March 22, 2010



Labour

D. Eaton (geologist) January to March 2010 – 3 hrs @ \$100/hr	\$ 315.00
H. Smith (geologist) September 9, 2009 – 1/2 day @ \$560/day	294.00
January to March 2010 – 28 hrs @ \$75/hr	2,205.00
D. Arnold-Wallinger (field assistant) September 9, 2009 – 1/2 day @ \$440/day	231.00
E. Jacobsen (field assistant) September 9, 2009 – 1/2 day @ \$288/day	151.20
S. Newman (office work) February 2010 – 4 hrs @ \$44/hr	184.80
	<u>3,381.00</u>

Expenses

Field room and board – 1 1/2 day @ \$125/day	196.88
Fireweed Helicopters – 1.5 hrs Bell 206 @ \$995/hr plus fuel	1,746.08
ALS Chemex	<u>1,474.45</u>
	3,417.41

Total	<u>\$6,798.41</u>
-------	-------------------



FLIGHT TICKET / INVOICE
 WHITEHORSE 867-668-5888 fax: 867-668-7875
 DAWSON CITY 867-993-5700 fax: 867-993-6839
 Box 26, Whitehorse, Yukon Y1A 5X9 GST # 128659828 No 6584

CHARTERER Archer Cathro		PILOT K. Scholz		DATE Sept 9/09	
		SIGNATURE <i>K. Scholz</i>		AIRCRAFT FWH	
		CHEQUE	CASH <input checked="" type="checkbox"/>	CHARGE	TYPE 206II
TELEPHONE	POSTAL CODE	PURCHASE ORDER NO.		BASE YDA	
CUSTOMER FUEL			FLIGHT ITINERARY		PASS TIME
LIT FROM Dawson @ \$1.30			Dawson - Tileary P/U 3 - White R		3
LIT FROM Dawson @ \$			local - Wolf Cr local D/O 3 + P/U 3		3
LIT FROM Dawson @ \$			to White R local D/O 3 - P/U 3		3
LIT FROM Dawson @ \$			to Tileary Camp - Thistle fuel		3
LIT FROM Dawson @ \$			- Dawson		3.0
LIT FROM Dawson @ \$					
OTHER CHARGES		DESCRIPTION	AMOUNT		
		AA WCK	1746.08		
		AA TMI	1746.07		
PILOT EXPENSES		DESCRIPTION	AMOUNT	RATE PER HOUR-WET/DRY 995.00	TOTAL
		PASSENGERS (names)	FLIGHT 2985.00	GST 149.25	\$ 3134.25
		Heather, Dillon	FUEL 340.86	GST 17.04	\$ 357.90
		Eric	OTHER	GST	\$
AUTHORIZED BY (print) Heather Smith		TOTAL		3325.86	166.29 \$ 3492.15
SIGNATURE X					





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

INVOICE NUMBER 1972657

BILLING INFORMATION	
Certificate:	VA09105390
Sample Type:	Soil
Account:	RCM
Date:	8-OCT-2009
Project:	WCK
P.O. No.:	
Quote:	ALSC-CW09-032-F-R1
Terms:	Net 30 Days
Comments:	C1

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
74	PREP-41	Dry, Sieve (180 um) Soil	0.96	71.04
13.82	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	1.80	24.88
74	Au-ICP21	Au 30g FA ICP-AES Finish	10.61	785.14
74	ME-ICP41	35 Element Aqua Regia ICP-AES	4.72	349.28
74	GEO-AR01	Aqua regia digestion	2.35	173.90

DRB
NAYP

SUBTOTAL (CAD) \$ 1,404.24

R100938885 GST \$ 70.21

TOTAL PAYABLE (CAD) \$ 1,474.45

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

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 Chemex

2103 Dollarton Hwy
North Vancouver BC V7H 0A7



APPENDIX II
CERTIFICATES OF ANALYSIS



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: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 7-OCT-2009

Account: RCM

CERTIFICATE VA09105390

Project: WCK

P.O. No.:

This report is for 74 Soil samples submitted to our lab in Vancouver, BC, Canada on 22-SEP-2009.

The following have access to data associated with this certificate:

AL ARCHER
BILL WENGZYNOWSKI

DOUG EATON

JOAN MARIACHER

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: WCK

Page: 2 - A

Total # Pages: 3 (A - C)

Finalized Date: 7-OCT-2009

Account: RCM

CERTIFICATE OF ANALYSIS VA09105390

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC17436		0.20	0.013	0.4	1.27	25	<10	90	<0.5	<2	0.23	<0.5	5	26	31	2.15
CC17437		0.18	0.006	0.7	1.70	31	<10	150	0.5	2	0.41	<0.5	8	30	69	2.40
CC17438		0.20	0.006	0.9	1.48	52	<10	150	0.7	2	0.53	<0.5	10	29	59	2.36
CC17439		0.24	0.008	0.6	1.40	36	<10	140	0.5	4	0.57	<0.5	9	34	44	2.50
CC17440		0.24	0.011	1.2	1.60	132	<10	150	0.7	3	0.53	0.9	9	29	67	2.59
CC17441		0.22	0.005	1.0	1.71	69	<10	130	0.9	4	0.36	1.0	10	28	119	2.64
CC17442		0.22	0.001	0.3	0.81	35	<10	60	<0.5	<2	0.09	<0.5	3	19	26	2.19
CC17443		0.16	0.007	1.5	2.00	70	<10	230	0.7	4	0.55	<0.5	10	30	131	2.84
CC17444		0.18	0.003	0.8	0.67	19	<10	100	<0.5	<2	0.21	0.7	3	16	40	1.50
CC17445		0.22	0.007	0.4	1.98	39	<10	100	<0.5	<2	0.14	<0.5	7	33	33	4.37
CC17446		0.20	0.005	0.3	1.06	28	<10	80	<0.5	2	0.12	<0.5	4	17	30	2.22
CC17447		0.20	0.002	0.2	0.88	8	<10	50	<0.5	<2	0.08	<0.5	3	14	11	2.06
CC17448		0.14	0.002	0.9	1.47	19	<10	90	<0.5	<2	0.15	1.0	5	24	48	3.23
CC17449		0.20	0.003	0.5	0.78	5	<10	100	<0.5	<2	0.17	0.5	4	15	19	1.94
CC17450		0.20	0.007	1.6	3.42	28	<10	110	0.7	2	0.17	0.7	12	42	170	3.84
CC17451		0.22	0.002	0.9	2.40	16	<10	120	0.5	2	0.16	<0.5	7	31	34	3.92
CC17452		0.24	0.015	0.6	1.52	36	<10	130	<0.5	10	0.35	1.0	7	27	149	2.84
CC17453		0.24	0.002	0.7	1.12	8	<10	70	<0.5	<2	0.11	<0.5	4	17	42	2.14
CC17454		0.22	0.002	0.7	1.22	19	<10	170	<0.5	<2	0.27	0.7	8	22	42	2.58
CC17455		0.22	0.003	0.6	1.23	19	<10	60	<0.5	4	0.12	0.7	5	20	32	2.79
CC17456		0.22	0.012	2.4	1.72	84	<10	170	<0.5	22	0.67	<0.5	10	30	330	3.04
CC17457		0.18	0.001	0.4	0.80	8	<10	70	<0.5	<2	0.10	0.7	3	13	13	1.63
CC17458		0.14	0.007	3.0	1.54	372	<10	150	<0.5	13	0.22	1.3	5	23	68	2.94
CC17459		0.20	0.030	2.9	2.30	919	<10	100	0.6	36	0.32	1.5	10	32	244	3.55
CC17460		0.16	0.004	0.9	0.85	39	<10	290	<0.5	<2	1.04	3.2	6	16	23	1.72
CC17461		0.24	0.008	1.0	2.31	414	<10	160	0.5	5	0.33	0.8	12	33	49	3.79
CC17462		0.14	0.015	0.4	2.81	391	<10	100	0.7	10	0.21	2.1	34	56	96	4.34
CC37473		0.30	0.023	3.1	1.55	732	<10	130	0.5	46	0.41	1.5	14	28	140	3.31
CC37474		0.12	0.013	2.7	1.11	555	<10	60	<0.5	16	0.15	0.6	5	19	64	2.59
CC37475		0.12	0.010	2.6	1.19	468	<10	110	<0.5	6	0.29	1.5	7	19	106	2.40
CC37476		0.20	0.006	0.5	1.37	251	<10	110	<0.5	3	0.20	0.9	7	23	32	2.84
CC37477		0.18	0.004	0.7	1.78	155	<10	100	0.5	5	0.21	0.7	9	27	36	3.35
CC37479		0.16	0.014	<0.2	2.26	13	<10	110	0.5	<2	0.21	<0.5	9	32	17	3.56
CC37480		0.14	0.028	<0.2	2.27	14	<10	130	0.6	<2	0.27	<0.5	10	33	16	3.54
CC37481		0.14	0.110	0.2	2.37	35	<10	180	0.6	<2	0.41	0.6	13	32	23	3.53
CC37482		0.12	0.003	0.5	1.87	31	<10	180	0.5	2	0.19	<0.5	6	23	22	2.48
CC37483		0.14	0.004	0.3	2.84	52	<10	150	0.7	<2	0.25	<0.5	13	40	19	3.74
CC37484		0.12	0.003	0.3	1.98	46	<10	90	0.5	<2	0.18	0.5	9	29	16	3.43
CC37485		0.12	0.004	0.4	2.37	126	<10	130	0.6	<2	0.22	<0.5	11	34	20	3.45
CC37486		0.12	0.007	0.2	1.60	195	<10	90	0.5	<2	0.12	<0.5	8	25	19	2.92



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CERTIFICATE OF ANALYSIS VA09105390

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
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC17436		10	<1	0.06	10	0.38	198	3	0.01	12	260	19	0.01	8	3	20
CC17437		10	<1	0.05	10	0.50	240	3	0.02	16	730	26	0.03	6	4	30
CC17438		<10	<1	0.05	20	0.46	425	6	0.02	16	830	29	0.04	6	3	38
CC17439		10	1	0.07	10	0.55	390	6	0.02	18	830	19	0.03	5	3	37
CC17440		10	<1	0.05	10	0.49	401	5	0.02	17	790	49	0.04	14	3	39
CC17441		10	<1	0.07	20	0.40	478	6	0.02	17	620	42	0.03	5	3	29
CC17442		10	<1	0.04	<10	0.22	140	4	0.01	9	230	16	<0.01	3	1	10
CC17443		10	<1	0.06	20	0.50	365	5	0.02	20	760	32	0.05	5	4	44
CC17444		<10	<1	0.04	<10	0.17	98	2	0.02	8	390	12	0.02	3	1	20
CC17445		10	<1	0.04	10	0.46	227	2	0.01	13	350	17	<0.01	3	3	13
CC17446		10	<1	0.04	10	0.21	175	3	0.01	7	230	12	<0.01	2	2	12
CC17447		10	<1	0.03	<10	0.17	132	1	0.01	5	200	7	<0.01	<2	1	9
CC17448		10	<1	0.04	10	0.29	172	2	0.01	11	430	10	0.01	<2	2	15
CC17449		10	<1	0.04	<10	0.16	641	1	0.02	6	370	10	0.01	<2	1	15
CC17450		10	<1	0.05	10	0.60	296	1	0.01	27	410	17	0.01	<2	5	16
CC17451		10	1	0.04	10	0.40	237	2	0.01	15	360	17	0.01	4	3	19
CC17452		10	<1	0.07	10	0.42	503	1	0.02	17	740	21	0.03	<2	3	25
CC17453		10	<1	0.03	<10	0.21	191	1	0.02	7	190	10	<0.01	<2	2	12
CC17454		10	<1	0.05	<10	0.25	329	2	0.02	13	400	12	0.02	<2	2	27
CC17455		10	<1	0.04	10	0.27	183	2	0.01	9	330	12	0.01	<2	2	13
CC17456		10	<1	0.07	10	0.59	400	1	0.03	19	800	28	0.02	2	5	42
CC17457		10	<1	0.03	<10	0.10	165	1	0.02	4	330	7	0.02	<2	1	11
CC17458		10	<1	0.04	10	0.33	185	1	0.01	13	310	49	0.01	7	3	21
CC17459		10	<1	0.05	10	0.53	298	1	0.02	19	500	133	0.02	10	4	24
CC17460		<10	<1	0.06	<10	0.19	541	2	0.03	8	640	15	0.02	2	1	75
CC17461		10	<1	0.08	10	0.60	409	3	0.02	21	720	74	0.02	3	4	26
CC17462		10	<1	0.11	10	0.81	624	2	0.03	60	480	88	0.09	4	4	34
CC37473		10	<1	0.05	10	0.53	558	1	0.03	20	730	210	0.02	19	4	28
CC37474		10	<1	0.04	10	0.23	180	2	0.02	10	490	149	0.03	5	2	13
CC37475		<10	<1	0.04	10	0.32	233	1	0.02	11	470	134	0.03	3	2	27
CC37476		10	<1	0.04	10	0.35	246	2	0.02	13	380	74	0.02	<2	2	21
CC37477		10	<1	0.05	10	0.41	324	1	0.02	15	460	64	0.03	<2	3	19
CC37479		10	<1	0.05	10	0.48	385	1	0.01	18	640	18	0.05	2	3	21
CC37480		10	<1	0.08	10	0.61	410	<1	0.02	17	560	31	0.02	2	4	41
CC37481		10	<1	0.09	10	0.59	879	1	0.02	19	1240	49	0.07	3	3	42
CC37482		10	<1	0.03	10	0.29	364	<1	0.03	15	510	54	0.03	<2	2	22
CC37483		10	<1	0.04	10	0.56	400	<1	0.02	25	230	22	0.01	<2	4	26
CC37484		10	<1	0.06	10	0.36	353	1	0.02	19	500	13	0.02	2	3	19
CC37485		10	<1	0.05	10	0.48	397	1	0.02	24	450	12	0.02	3	4	23
CC37486		10	<1	0.03	10	0.24	341	1	0.02	16	300	22	0.02	3	2	13



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CERTIFICATE OF ANALYSIS VA09105390

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
CC17436		<20	0.12	<10	<10	57	<10	44
CC17437		<20	0.10	<10	10	56	<10	52
CC17438		<20	0.10	<10	10	55	<10	50
CC17439		<20	0.11	<10	<10	62	<10	56
CC17440		<20	0.10	<10	10	63	<10	79
CC17441		<20	0.09	<10	10	60	<10	53
CC17442		<20	0.10	<10	<10	59	<10	28
CC17443		<20	0.09	<10	<10	66	<10	57
CC17444		<20	0.08	<10	<10	47	<10	31
CC17445		<20	0.15	<10	<10	108	<10	46
CC17446		<20	0.10	<10	<10	67	<10	44
CC17447		<20	0.08	<10	<10	53	<10	22
CC17448		<20	0.10	<10	<10	75	<10	37
CC17449		<20	0.08	<10	<10	52	<10	43
CC17450		<20	0.13	<10	<10	91	<10	59
CC17451		<20	0.13	<10	<10	98	<10	45
CC17452		<20	0.10	<10	<10	68	<10	73
CC17453		<20	0.09	<10	<10	55	<10	30
CC17454		<20	0.08	<10	<10	64	<10	40
CC17455		<20	0.10	<10	<10	70	<10	39
CC17456		<20	0.13	<10	<10	79	10	61
CC17457		<20	0.06	<10	<10	44	<10	27
CC17458		<20	0.10	<10	<10	69	<10	79
CC17459		<20	0.11	<10	<10	79	<10	145
CC17460		<20	0.05	<10	<10	42	<10	77
CC17461		<20	0.12	<10	<10	87	<10	79
CC17462		<20	0.14	<10	<10	79	<10	196
CC37473		<20	0.10	<10	<10	74	10	127
CC37474		<20	0.08	<10	<10	60	<10	57
CC37475		<20	0.08	<10	<10	52	<10	55
CC37476		<20	0.10	<10	<10	71	<10	61
CC37477		<20	0.11	<10	<10	81	<10	59
CC37479		<20	0.12	<10	<10	98	<10	55
CC37480		<20	0.14	<10	<10	101	<10	61
CC37481		<20	0.10	<10	<10	97	<10	89
CC37482		<20	0.07	<10	<10	55	<10	48
CC37483		<20	0.13	<10	<10	95	<10	59
CC37484		<20	0.11	<10	<10	85	<10	53
CC37485		<20	0.11	<10	<10	80	<10	58
CC37486		<20	0.09	<10	<10	70	<10	46



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC37487		0.12	0.004	0.2	1.96	54	<10	90	<0.5	<2	0.14	<0.5	9	28	18	3.11
CC37488		0.12	0.007	0.2	2.13	121	<10	130	0.6	<2	0.24	<0.5	10	32	32	2.97
CC37489		0.12	0.013	0.6	1.56	72	<10	100	<0.5	<2	0.10	<0.5	10	24	15	3.48
CC37490		0.12	0.003	0.3	2.80	80	<10	120	0.6	<2	0.14	<0.5	11	39	19	4.43
CC37491		0.12	0.003	0.4	3.87	34	<10	120	0.8	<2	0.17	<0.5	16	51	23	4.15
CC37492		0.14	0.006	0.8	2.82	43	<10	200	0.5	2	0.20	<0.5	9	44	20	4.40
CC37493		0.12	0.003	0.7	2.15	91	<10	220	<0.5	<2	0.32	0.8	13	33	17	3.38
CC37494		0.14	0.003	0.4	2.14	72	<10	130	0.5	<2	0.22	<0.5	13	36	17	3.51
CC37495		0.16	0.002	<0.2	2.55	40	<10	130	1.0	<2	0.40	<0.5	12	49	19	3.42
CC37496		0.02	0.003	<0.2	2.07	35	<10	120	0.5	<2	0.23	<0.5	9	33	15	3.23
CC37497		0.04	0.012	0.5	2.29	19	<10	170	0.7	<2	0.52	<0.5	17	67	42	3.34
CC37498		0.14	0.011	0.3	2.37	18	<10	150	0.7	<2	0.68	<0.5	22	66	55	3.46
CC11042		0.18	0.019	1.5	1.47	741	<10	90	<0.5	11	0.28	1.4	10	25	54	3.34
CC11043		0.12	0.005	0.6	0.64	12	<10	120	<0.5	2	0.11	0.9	3	16	19	1.86
CC11044		0.12	0.005	0.3	1.65	15	<10	120	<0.5	<2	0.14	<0.5	7	29	23	3.56
CC11047		0.26	0.005	<0.2	1.64	110	<10	150	<0.5	<2	0.43	0.9	9	28	22	3.26
CC11048		0.26	0.004	0.8	1.10	36	<10	80	<0.5	<2	0.19	1.4	4	18	23	2.02
CC11049		0.30	0.012	1.7	1.74	336	<10	120	0.6	11	0.51	2.2	11	29	64	3.25
CC11050		0.26	0.004	0.2	1.10	53	<10	110	<0.5	6	0.25	2.3	5	19	27	2.04
CC22527		0.20	0.005	0.4	2.22	33	<10	100	0.5	2	0.23	0.5	9	26	26	2.80
CC22528		0.24	0.008	0.5	3.94	164	<10	140	0.9	4	0.44	<0.5	17	157	151	4.82
CC22529		0.22	0.001	0.4	2.42	31	<10	100	0.5	<2	0.27	<0.5	12	73	34	3.73
CC22530		0.30	0.008	0.3	2.61	1950	<10	140	1.1	8	0.41	<0.5	22	96	136	4.44
CC22531		0.26	0.004	0.4	2.39	161	<10	170	0.5	7	0.35	<0.5	19	69	88	3.79
CC22532		0.22	0.002	0.4	1.21	15	<10	120	<0.5	<2	0.16	0.7	7	20	37	2.38
CC22533		0.18	0.005	0.4	1.24	149	<10	220	0.6	7	0.58	3.7	12	19	74	2.32
CC22534		0.26	0.009	1.7	1.02	1400	<10	80	0.5	45	0.16	1.1	5	20	173	3.33
CC22535		0.22	0.018	4.1	2.05	1170	<10	250	1.8	46	0.86	1.5	18	28	466	4.43
CC22536		0.28	0.005	0.8	1.34	59	<10	110	<0.5	5	0.14	1.9	7	25	48	3.35
CC22537		0.24	0.004	0.8	2.29	213	<10	90	0.6	15	0.13	0.7	9	31	114	4.37
CC22538		0.26	0.005	2.4	2.45	212	<10	100	0.8	15	0.19	1.5	28	30	313	4.02
CC22539		0.22	0.010	2.7	1.82	480	<10	130	0.5	21	0.20	1.3	9	29	215	3.42
CC22540		0.20	0.013	2.0	1.60	379	<10	130	<0.5	21	0.44	1.5	9	25	223	2.88
CC22541		0.26	0.010	0.9	2.27	557	<10	100	0.5	22	0.22	1.1	8	32	99	4.01



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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC37487		10	<1	0.04	10	0.29	382	1	0.02	20	350	11	0.02	3	2	16
CC37488		<10	<1	0.04	20	0.39	302	<1	0.02	23	420	13	0.02	<2	4	27
CC37489		10	<1	0.03	<10	0.24	373	2	0.02	14	270	19	0.01	<2	2	11
CC37490		10	<1	0.04	10	0.43	304	1	0.02	26	330	13	0.02	<2	4	16
CC37491		10	<1	0.04	10	0.59	373	1	0.02	33	510	8	0.02	3	5	20
CC37492		10	<1	0.04	10	0.56	318	2	0.02	26	310	36	0.01	2	4	25
CC37493		10	<1	0.08	10	0.45	761	1	0.03	24	340	25	0.02	3	3	29
CC37494		10	<1	0.08	10	0.48	820	1	0.02	25	640	22	0.01	<2	3	20
CC37495		10	<1	0.10	10	0.73	334	1	0.03	32	430	15	0.02	3	4	33
CC37496		10	<1	0.06	10	0.44	302	1	0.02	20	990	9	0.02	2	3	19
CC37497		10	<1	0.07	10	0.86	441	<1	0.04	39	700	29	0.01	<2	4	36
CC37498		<10	<1	0.09	10	0.84	459	<1	0.04	48	840	19	0.01	<2	4	41
CC11042		<10	<1	0.06	10	0.47	366	1	0.02	19	500	272	0.03	3	4	21
CC11043		10	<1	0.03	10	0.07	188	1	0.02	7	310	16	0.01	<2	1	14
CC11044		10	<1	0.04	10	0.32	262	1	0.02	16	350	13	0.02	2	3	14
CC11047		10	<1	0.07	10	0.50	405	1	0.03	18	610	42	0.03	<2	3	31
CC11048		10	<1	0.04	10	0.17	128	1	0.02	11	320	29	0.02	<2	2	20
CC11049		<10	<1	0.06	10	0.49	531	1	0.03	22	650	152	0.05	7	3	39
CC11050		<10	<1	0.04	10	0.22	224	1	0.02	12	370	21	0.03	<2	2	27
CC22527		<10	<1	0.03	10	0.34	264	1	0.02	18	580	12	0.06	<2	2	27
CC22528		10	<1	0.23	10	1.02	334	1	0.08	36	920	25	0.21	13	6	75
CC22529		10	<1	0.06	10	0.67	286	1	0.03	26	570	14	0.07	2	3	25
CC22530		10	1	0.14	10	0.90	684	1	0.02	69	670	17	0.07	191	7	42
CC22531		10	<1	0.06	10	0.68	763	1	0.03	39	670	22	0.08	6	3	33
CC22532		10	<1	0.04	10	0.25	447	1	0.03	13	470	19	0.04	2	1	18
CC22533		<10	<1	0.06	10	0.27	1330	2	0.03	18	870	29	0.10	7	1	47
CC22534		<10	<1	0.05	10	0.25	227	2	0.02	12	430	84	0.06	107	2	21
CC22535		10	1	0.07	30	0.44	958	3	0.03	30	1020	125	0.10	61	3	64
CC22536		10	<1	0.05	10	0.31	346	2	0.02	15	470	21	0.02	3	3	15
CC22537		10	<1	0.04	10	0.35	302	3	0.02	19	450	48	0.04	5	3	15
CC22538		10	<1	0.06	20	0.43	1015	3	0.02	25	1010	65	0.12	9	3	17
CC22539		10	<1	0.04	10	0.38	309	4	0.01	21	550	61	0.03	5	3	18
CC22540		10	<1	0.05	10	0.41	363	3	0.02	18	800	68	0.05	5	3	32
CC22541		10	<1	0.04	10	0.34	269	1	0.01	19	560	79	0.02	2	3	20



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Finalized Date: 7-OCT-2009

Account: RCM

CERTIFICATE OF ANALYSIS VA09105390

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
CC37487		<20	0.09	<10	<10	74	<10	52
CC37488		<20	0.09	<10	<10	68	<10	46
CC37489		<20	0.10	<10	<10	83	<10	48
CC37490		<20	0.13	<10	<10	105	<10	63
CC37491		<20	0.12	<10	<10	89	<10	64
CC37492		<20	0.12	<10	<10	120	<10	74
CC37493		<20	0.10	<10	<10	83	<10	123
CC37494		<20	0.11	<10	<10	80	<10	72
CC37495		<20	0.12	<10	<10	79	<10	51
CC37496		<20	0.11	<10	<10	78	<10	43
CC37497		<20	0.16	<10	<10	92	<10	44
CC37498		<20	0.16	<10	<10	88	<10	49
CC11042		<20	0.09	<10	<10	65	<10	115
CC11043		<20	0.09	<10	<10	73	<10	27
CC11044		<20	0.11	<10	<10	90	<10	45
CC11047		<20	0.13	<10	<10	87	<10	66
CC11048		<20	0.08	<10	<10	55	<10	45
CC11049		<20	0.10	<10	<10	71	<10	122
CC11050		<20	0.08	<10	<10	56	<10	42
CC22527		<20	0.08	<10	<10	58	<10	44
CC22528		<20	0.17	<10	<10	112	<10	63
CC22529		<20	0.14	<10	<10	85	<10	52
CC22530		<20	0.13	<10	<10	101	<10	77
CC22531		<20	0.12	<10	<10	95	<10	72
CC22532		<20	0.08	<10	<10	57	<10	60
CC22533		<20	0.06	<10	<10	50	<10	129
CC22534		<20	0.05	<10	<10	57	10	72
CC22535		<20	0.05	<10	<10	62	<10	104
CC22536		<20	0.12	<10	<10	90	<10	66
CC22537		<20	0.12	<10	<10	97	<10	65
CC22538		<20	0.08	<10	<10	79	10	132
CC22539		<20	0.09	<10	<10	77	<10	83
CC22540		<20	0.08	<10	<10	65	10	92
CC22541		<20	0.11	<10	<10	94	<10	91