

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

PROSPECTING, SOIL SAMPLING AND HAND TRENCHING

at the

PANORAMA PROPERTY
Aussie 1-36 YC32751-YC32786

NTS 116/A4
Latitude 64°05'N, Longitude 137°52'W

in the

Dawson Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

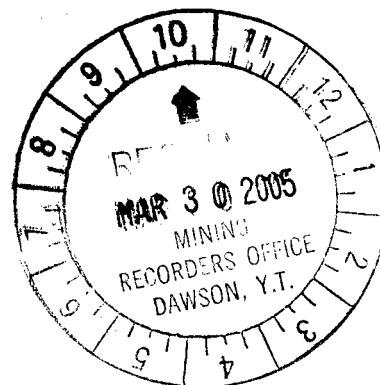
for

ATAC RESOURCES LTD.

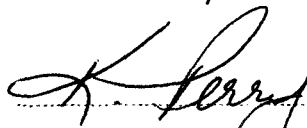
by

W. Douglas Eaton, B.Sc. Geology
Heather Smith
December 2004

094563



Costs associated with this report have been
approved to the amount of \$ 18,000
for assessment credit under Certificate of
Work No. 2000601



Mine Recorder
Dawson City Mining District

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INTRODUCTION

The Panorama property lies within the Yukon portion of the Tintina Gold Belt. It covers gold mineralization associated with a Cretaceous Tombstone Plutonic Suite intrusion. The property is located 75 km east of Dawson City and 15 km east of the former Brewery Creek Mine. ATAC Resources Ltd. can earn a 100% working interest subject to an option agreement.

This report describes previous work plus results from 2004 exploration conducted on behalf of ATAC by Archer, Cathro & Associates (1981) Limited. The 2004 work was done between August 18 and 24 by a three person crew from a helicopter supported fly camp. The crew consisted of party chief Heather Smith and field assistants Eric Nelson and Liam Gilbride. The senior author supervised the work and his Statement of Qualifications appears in Appendix I.

PROPERTY, LOCATION AND ACCESS

The Panorama property comprises 36 mineral claims located 75 km east of Dawson City in west-central Yukon, at latitude 64°05'N and longitude 137°52'W on NTS map sheet 116/A4 as illustrated in Figure 1. The claims are registered with the Dawson Mining Recorder in the name of Archer Cathro which holds them in trust for ATAC. 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>
Aussie 1-36	YC32751 – YC32786	May 28, 2010

*The expiry dates include 2004 assessment work that has been filed but not yet accepted.

During 2004 access to the property was by helicopters from bases in Dawson City. The closest road access is on the Brewery Creek property 15 km east of Panorama.

HISTORY

The property was originally staked as the Aus 1-32 claims in October 1987 to cover anomalous gold in soil discovered during exploration conducted by Noranda Exploration Company Ltd. (Galambos, 1988). The soil anomalies resemble those Noranda had identified at the Brewery Creek property, which it was also exploring at that time.

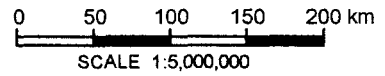
Noranda completed a series of work programs between 1988 and 1990, which consisted of: 51 line km of cut grid lines; geological mapping; prospecting; collection 1150 soil and 187 rock samples; 68 line km of magnetometer surveys; 16 line km of IP surveys; and, 258 rock chip samples from seven Kubota backhoe trenches that totalled 836 m in length (Travis, 2004). This work outlined > 60 ppb gold in soils over an 800 by 1500 m area with a coincident arsenic in soil anomaly. Although the anomalies are largely underlain by a quartz monzonite intrusion, Noranda's main focus was on the intrusive-sediment contact. Its work discovered veins in

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FIGURE 1

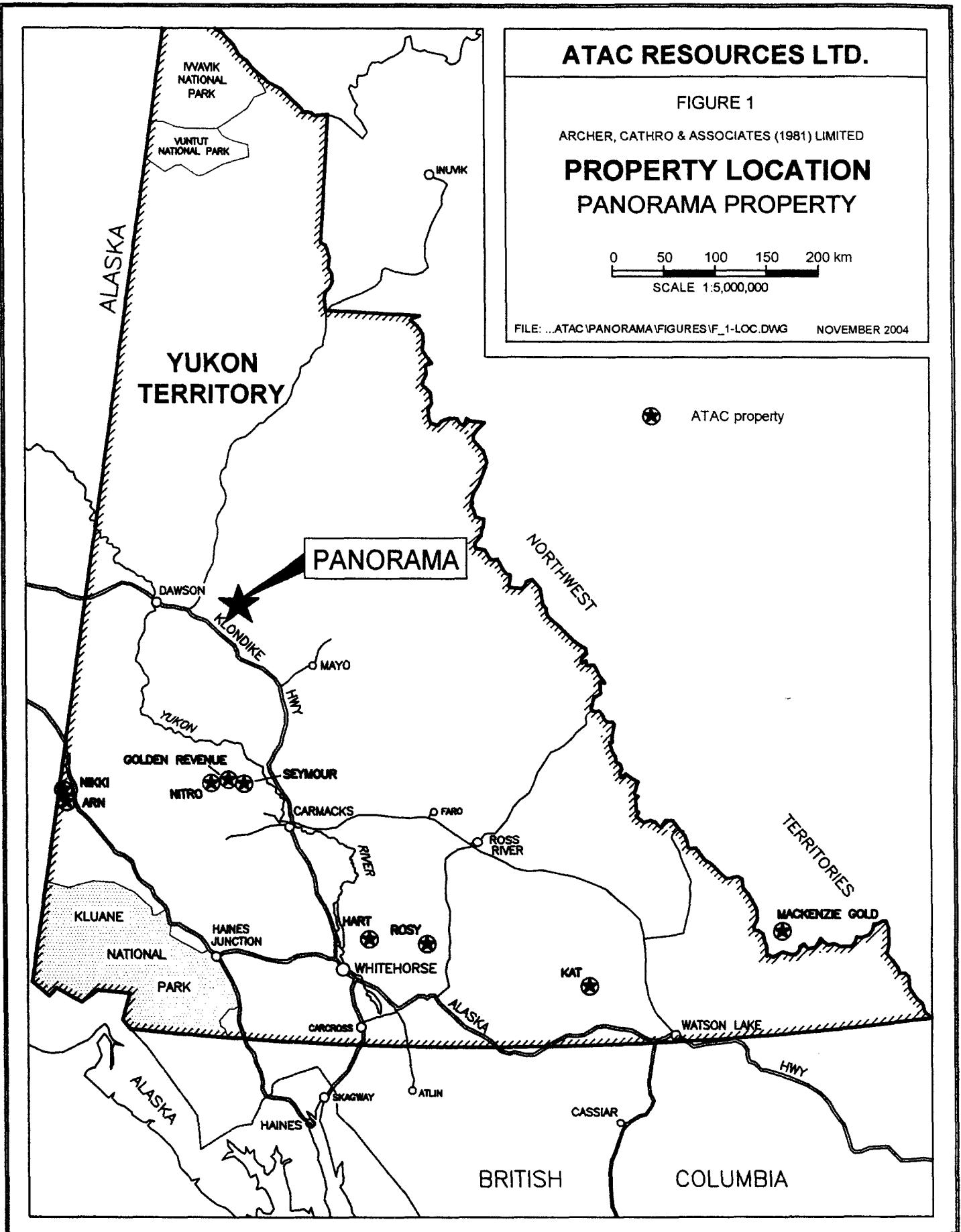
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

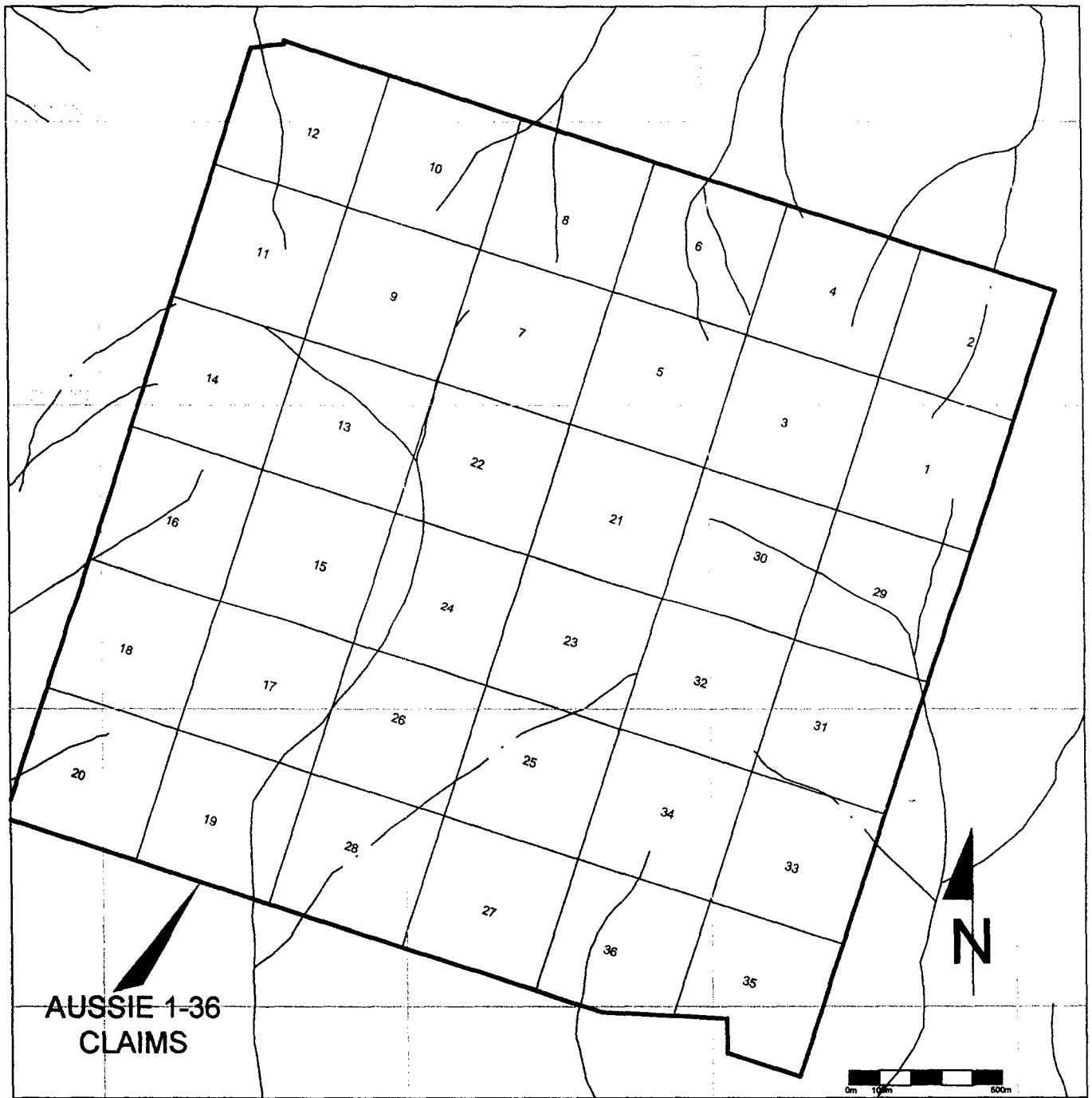
PROPERTY LOCATION PANORAMA PROPERTY



FILE: ...ATAC\PANORAMA\FIGURES\F_1-LOC.DWG

NOVEMBER 2004





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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

PANORAMA PROPERTY

DRAWN / REVISED BY: HS
 FILE: ...2004/PANORAMA/F_2.DWG

PROJECT: PANORAMA
 DATE: DECEMBER 2004

hornfelsed sedimentary rocks, which returned values up to 3580 ppb gold from specimens and 1673 ppb from a 2 m trench sample.

In 1995 Orinoco Gold Inc. optioned the property from Hemlo Gold Mines Inc. to which Noranda had assigned its interest (Travis, 2004). Aurum Geological explored on behalf of Orinoco Gold later that year and attempted to locate zones of alteration and sheeted veining within the intrusion, which could host economic grade bulk tonnage gold mineralization. This program consisted of: 12 km of grid cut line; mapping; collection of 431 soil samples, 48 rock specimens and 210 continuous trench chip samples taken from 364 m of trenches excavated by a Kubota backhoe. The soil lines were infill lines between the previously established 100 m spaced Noranda grid lines. Results from the 1995 soil sampling program confirmed and better defined the anomalies.

In 1996 Orinoco Gold completed more Kubota trenching and percussion drilling. The Kubota trenching totalled 364 m and produced significant intervals of 1.66 g/t Au over 6.0 m and 8.4 g/t Au over 3.0 m in trench 5, and 4.9 g/t Au over 3.5 m in trench 6. Percussion drilling was done in fall and used a small helicopter portable rig. It was done instead of diamond drilling because of a lack of water at that time of year. The percussion drilling consisted of eight holes totalling 340 m. The drill holes are all located within a 100 m by 100 m area. An aquifer caused four of the eight holes to be abandoned. The 1996 drill results are summarized below, with hole lengths and significant intervals in feet (Travis, 2004).

Hole 96/H1 (85')	abandoned, no significant gold results
Hole 96/H2 (205')	180-205' returned 383 ppb Au
Hole 96/H3 (45')	abandoned, no significant gold results
Hole 96/H4 (205')	110-205' returned 268 ppb Au, including 110-135' of 313 ppb Au and 180-205' of 383 ppb Au
Hole 96/H5 (85')	25-185' returned 278 ppb Au, including 90-110' of 493 ppb Au
Hole 96/H6 (85')	abandoned, no significant gold results
Hole 96/H7 (205')	40-70' returned 1,199 ppb Au (including 40-45' of 4800 ppb Au), 110-145' of 672 ppb Au
Hole 96/H8 (205')	5-15' of 688 ppb Au, 160-170' of 1901 ppb Au (including 160-165' of 3180 ppb Au), 190-205' of 659 ppb Au

The Aus claims lapsed in 2003 and were immediately re-staked as Aussie 1-36 claims.

GEOMORPHOLOGY AND VEGETATION

The property covers an east-west trending ridge plus a series of south trending spurs and valleys. The area was not affected by recent glaciation; and therefore, the terrain is deeply weathered and outcrops are rare. The best exposures are on the ridge crest and along incised drainage channels. Local elevations range from 760 m in the valley bottoms to 1219 m atop the ridge. The north facing slopes are usually steepest. The southeastern portion of the property is a forested marsh and features discontinuous permafrost; however south facing slopes are relatively frost free.

Most of the property is below tree line, which is at approximately 1200 m. The valleys are typically covered with new growth spruce, poplar, alder and willow. This vegetation is relatively thick but immature because it postdates a large fire that burned over the property in 1989. The upper slopes and ridge tops are characterized by fireweed, caribou moss, and buckbrush.

There is no surface water at higher elevations on the property; however, two small creeks are located on the southwestern part of the property. These streams drain into the South Klondike River, a tributary of the Yukon River.






REGIONAL GEOLOGY

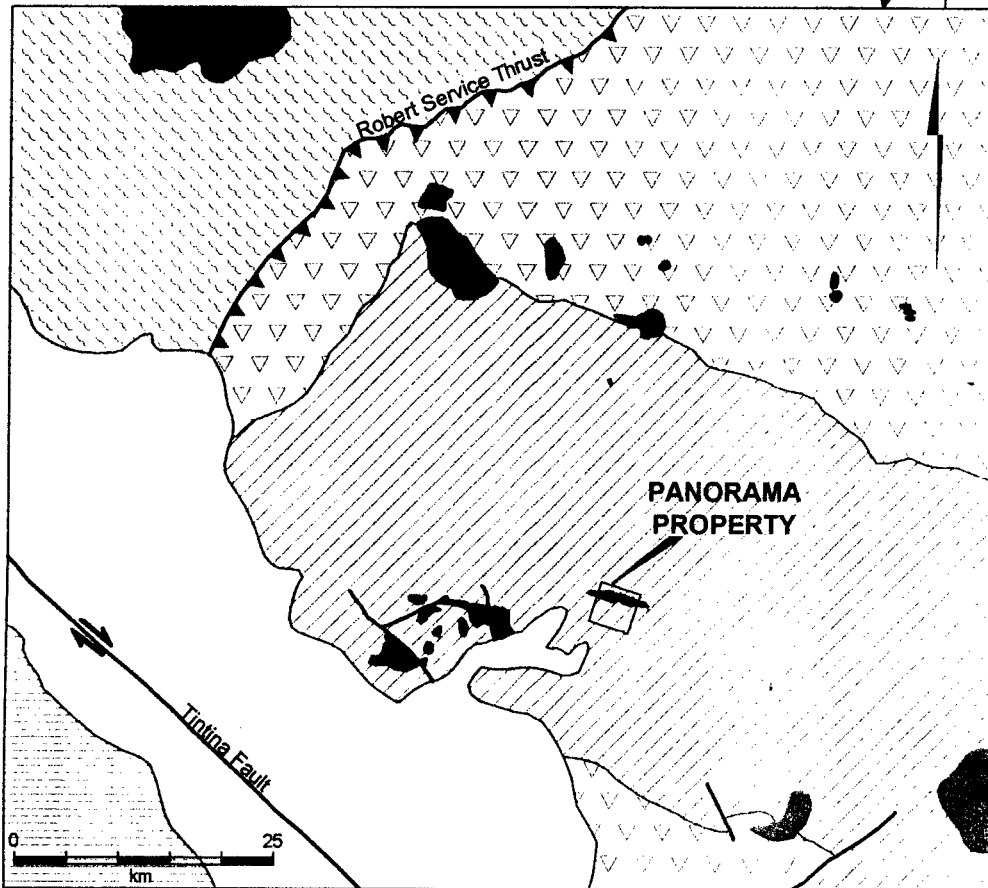
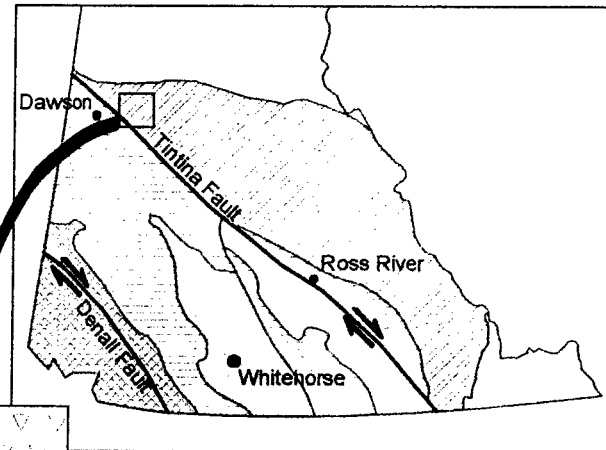
The Panorama property is situated within the western portion of Selwyn Basin about 25 km northwest of the Tintina Fault (Figure 3). Three regionally extensive northerly directed thrust faults (Robert Service, Tombstone and Dawson Thrusts) located northeast of the property displaced large packages of Selwyn Basin during a Jurassic-Cretaceous compressional tectonic event (Duke, 1991). The Robert Service Thrust is the closest, coming to surface about 50 km northeast of the property. It forms one of the largest thrust sheets in the Canadian Cordillera extending eastward from the Dawson City area through the Keno Hill silver camp and into the Lansing area, a total distance of approximately 250 km. This thrust juxtaposes Upper Proterozoic Hyland Group rocks on the upper plate against Mississippian Keno Hill Quartzite and Triassic-Jurassic schists in the lower plate.







Selwyn Basin rocks were deformed and intruded by granite plutons during the waning stages of the Jurassic-Cretaceous compressional tectonic event. Three suites of intrusions are recognized: the 98 Ma Selwyn Suite, the 91-93 Ma Tombstone Plutonic Suite and the 64 Ma Southern Suite. The Selwyn and Tombstone Plutonic Suite intrusions are distributed along a northwest trending arcuate belt and are mainly granitic in composition. Exploration since the early 1990s has identified intrusive hosted gold mineralization associated with several Tombstone Plutonic Suite intrusions. Geochemically, the intrusions exhibit a strong lithophile signature (Au, As, Bi, Sb, Hg, Pb, W, Sn and Mo). They are known to host low grade, bulk tonnage gold mineralization at Fort Knox, Brewery Creek, Dublin Gulch and elsewhere within the Tintina Gold Belt (Travis, 2004). Intrusive bodies comprised of the Tombstone Plutonic Suite range in size from metre scale dykes to stocks several square kilometres in area. They are primarily granodiorite to quartz monzonite in composition, although bodies of granite, syenite and diorite are also found in the belt. At a number of the gold prospects, the gold is localized within the intrusions but at others, it extends into the adjacent wallrocks as veins, skarns or stockwork zones.

Regional metamorphism has imprinted a greenschist facies metamorphic mineral assemblage on rocks of the Hyland Group and Road River Group. Contact metamorphic aureoles around the intrusions consist of biotite hornfels and occasional skarns, which are enriched in iron and locally contain elevated precious and base metals (Travis, 2004).

Often the larger intrusions have a low magnetic signature surrounded by an area of higher magnetic relief related to hornfelsed aureoles.

-  Selwyn Basin
-  Coastal and Insular Belts
-  Intermontane Belt
-  Yukon-Tanana Terrane and Slide Mountain Terrane
-  Ancestral North America including Cassiar Terrane and Mackenzie Platform



-  Quaternary overburden
-  Cretaceous granitic and syenitic plutons
-  Paleozoic - Mesozoic clastic metasediments and mafic igneous rocks
-  Paleozoic metasediments
-  Late Proterozoic to Lower Cambrian metasediments and metavolcanics
-  Yukon-Tanana Terrane

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FIGURE 3

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**REGIONAL GEOLOGY
PANORAMA PROPERTY**

PROPERTY GEOLOGY AND MINERALIZATION

The property covers Tombstone Plutonic Suite intrusions that cut Ordovician-Silurian Road River Group fine grained siltstone, shale, and chert. Figure 4 illustrates property geology. Most bedding in the sediments strikes 90 to 100° and dips steeply to the south. On the southern side of the intrusion, a finely laminated chert unit forms a resistive ridge creating an easily traced marker horizon.

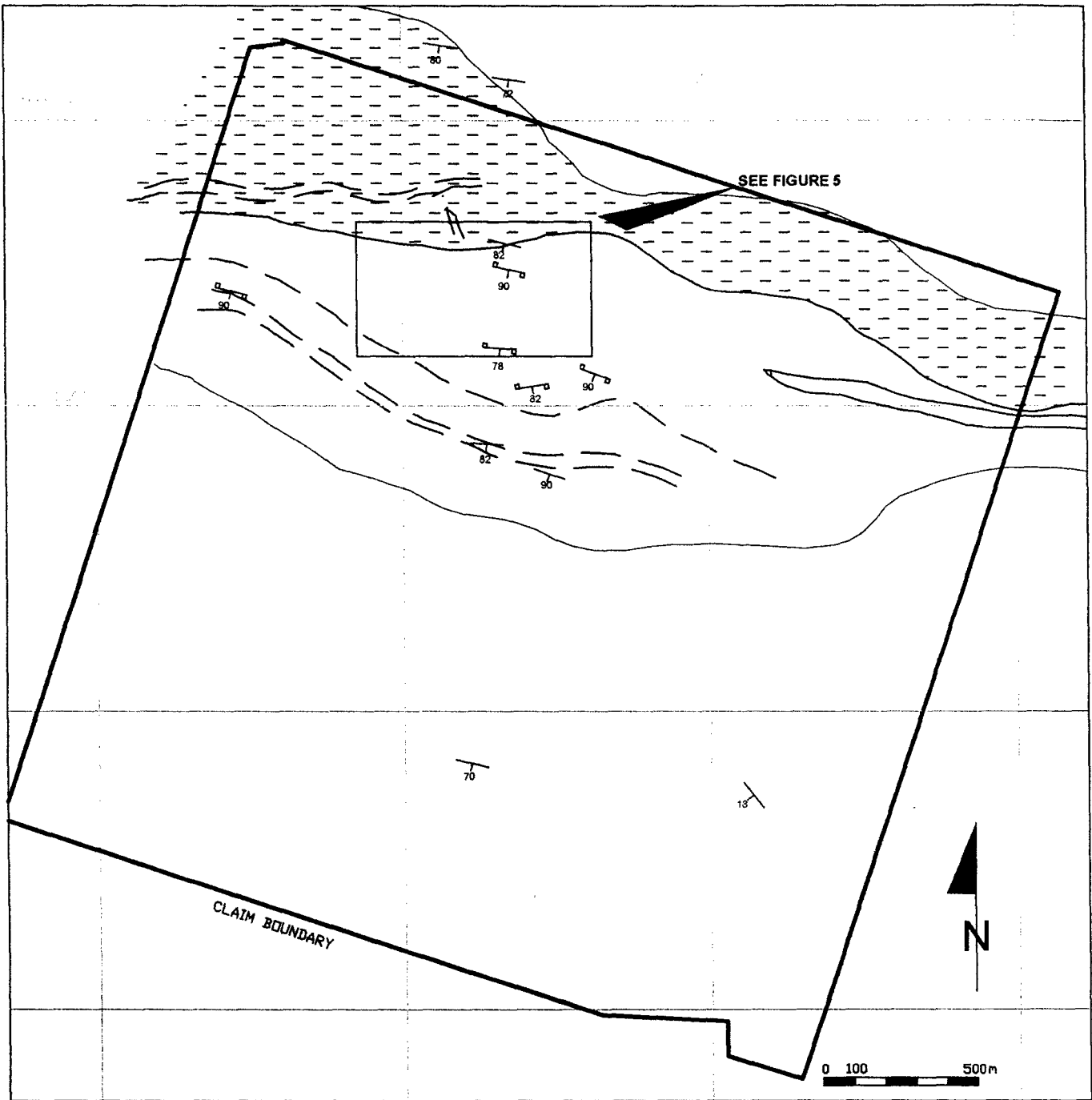
The intrusions are elongated in an easterly direction subparallel to the trend of sedimentary layering. The main body is lenticular in shape and has been traced for 4 km along strike with an average thickness of 500 m (Duke, 1991). It is medium grained, sparsely megacrystic quartz monzonite with a closely spaced joint set that approximately parallels its long axis between 85 and 110°. Narrow, fine grained dykes of similar composition have been mapped on both the north and south sides of the main intrusion.

Within the main intrusion, there are millimetre scale quartz veinlets and dry fractures at a density of about 5 per metre. These veinlets and fractures commonly host blebs of partially oxidized arsenopyrite and pyrite. Light green waxy alteration of feldspars occurs within the wallrocks in areas with high fracture density. Patches of brown limonite and yellow green scorodite are common on fractures and along vein selvages.

A total of 18 rock samples were collected in 2004, 17 of which were from the bottom of the hand pits dug into the floors of old excavator trenches. Of these, six were from bedrock and 11 were grab samples. The remaining sample was a chip sample over 10 m of bedrock. The samples were submitted to ALS Chemex in North Vancouver, where they crushed to 70% finer than 2 mm then pulverized to 85% passing 75 micron. One 30 g split was analyzed for gold using fire assay followed by atomic absorption and another split was partially digested using an aqua regia leach and analyzed for 34 other elements by the induced coupled plasma (ICP) technique. Sample locations are illustrated on Figure 5 while Certificates of Analysis appear in Appendix II. Detailed rock sample descriptions are not given because all were typical, weakly fractured and weathered quartz monzonite. These rocks were analysed to better establish metal backgrounds in the intrusions and for comparison to results from nearby soil samples. Most of the rock samples returned between 0.006 and 0.031 ppm gold. The peak gold value was 0.381 ppm from a sample taken in a hand pit along the ridge line. Arsenic values ranged from 24 to 624 ppm and copper from 22 to 340 ppm.

SOIL GEOCHEMISTRY

The geochemical results obtained from sampling done by Noranda and Orinoco Gold are illustrated on Figure 6. In 2004 additional soil sampling was done with of a total of 41 samples taken at 25 m intervals from the bottom of old excavator trenches. These samples were sent to ALS Chemex. All soil samples were screened to 180 microns then analyzed for 34 elements by the ICP technique and gold by fire assay with an atomic absorption finish. Sample locations are shown on Figure 5. Certificates of Analyses are in Appendix II. Most samples produced near background to moderately anomalous values of 0.03 to 0.096 ppm gold, and weakly to strongly anomalous values of arsenic (94 to 6520 ppm). In 33 of the 41 soil samples analyzed, the arsenic



LITHOLOGIES



Silicified dyke

CRETACEOUS



Quartz monzonite

ORDOVICIAN-SILURIAN



Siltstone, shale and chert

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FIGURE 4

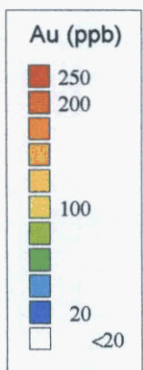
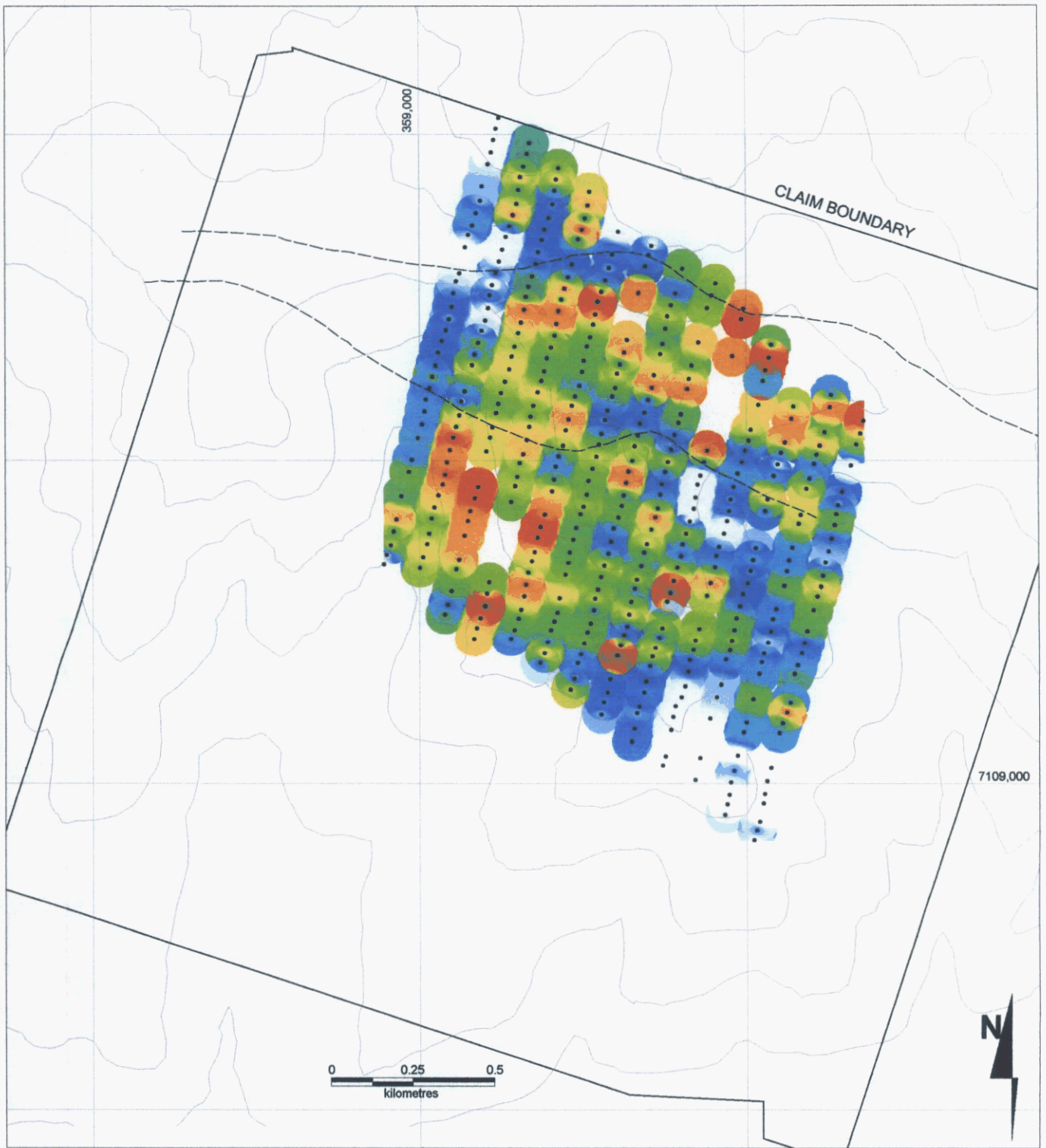
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PROPERTY GEOLOGY

PANORAMA PROPERTY

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 FILE: ...2004/PANORAMA/F_4.DWG

PROJECT: PANORAMA
 DATE: DECEMBER 2004



LEGEND

- Pre 2004 soil sample location
- Intrusion

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD GEOCHEMISTRY

PANORAMA PROPERTY

results were greater than 1000 ppm. Sixteen samples yielded greater than 0.100 ppm gold, with the best being 0.475 ppm. Copper values were relatively low to a maximum of 316 ppm.


CONCLUSIONS AND RECOMMENDATIONS

The Panorama property hosts gold mineralization within and adjacent to intrusions belonging to the Tombstone Plutonic Suite, which are associated with many of the gold deposits within the Tintina Gold Belt including the nearby Brewery Creek Deposit. Geochemical surveys show that the highest gold values are from soil derived from the main intrusion or from the sediments directly adjacent to it. A similar pattern is seen at Brewery Creek.

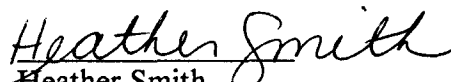
Further exploration should consist of diamond drilling to test within the intrusion and along the contact between the main intrusion and the sedimentary country rocks. The holes along the contact should be collared within the sediments and be drilled toward the intrusion. The holes within the intrusion should be designed to test bulk tonnage potential in the areas of strongest soil geochemical response and to explore for higher grade, structurally controlled zones similar to those intersected in the excavator trenches and percussion holes. Due to possible supply water problems, the holes should be drilled as early in summer as practical.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



W. Douglas Eaton, B.Sc. Geology



Heather Smith

REFERENCES

- Travis, A.
2004 Private Report on Panorama Ridge Property for H. Neugebauer and R. Allan, February 2004.
- Galambos, K.D.
1988 Geological and Geochemical Report on the Aus 1-32 claims Noranda Exploration Company Ltd.
- Duke, J.L.
1991 Geological and Geochemical Report on the Aus 1-52 Claims

APPENDIX I
AUTHOR'S STATEMENT OF QUALIFICATIONS

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

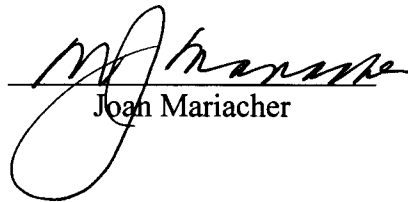
Telephone: 604-688-2568

Fax: 604-688-2578

AFFIDAVIT

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

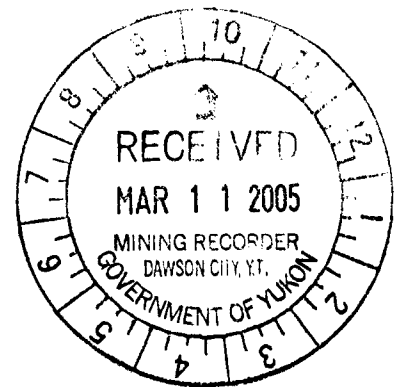
That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the Aussie 1 –36 mineral
claims on Claim Sheet 116A/4 is accurate.


Joan Mariacher

Sworn before me at Vancouver, B.C.

this 7th day of March 2005.


Notary Public, Yukon Territory



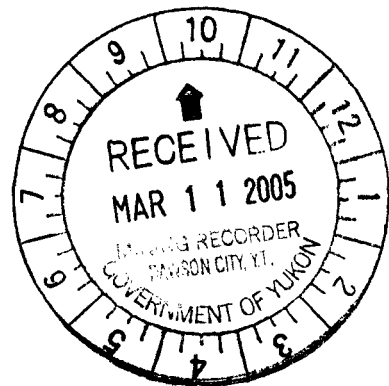
Statement of Expenditures
Aussie 1-36 Mineral Claims
March 7, 2005

Labour

D. Eaton – geologist – June to August 45 hours at \$60/hr	\$ 2,889.00
plus October to December 21 hours at \$60/hr	1,348.20
M. Dumula – geologist – June 6 hours at \$46/hr	295.32
plus October to November 15 1/2 hours at \$46/hr	762.91
D. Moraal – field assistant – June 1/2 day at \$336/day	179.76
H. Smith – field assistant – June to September 8 1/2 days at \$272/day	2,473.84
plus October to November 47 1/2 hours at \$34/hr	1,728.05
L. Gilbride – field assistant June to August 6 1/2 days at \$224/day	1,557.92
E. Nelson – field assistant June to August – 6 1/2 days at \$224/day	<u>1,557.92</u>
	12,792.92

Expenses

Field room and board 28 3/8 days at \$125/day	3,795.16
Fireweed Helicopters 1.8 hours Bell 206B at \$950/hr plus fuel	1,810.77
Trans North Helicopters 1.5 hours Bell 206B at \$925/hr plus fuel	1,560.57
North 60 Petro – Jet B	598.73
ALS Chemex	<u>1,237.98</u>
	9,003.21
	<u>\$21,796.13</u>



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In Account With

Project **PANORAMA PROJECT**
 Date **JUNE 1 - AUGUST 31, 2004**

LABOUR

Field	D. EATON - 17 HR AT 60/HR JUNE	1020.00	
	- 28 HR AT 60/HR AUG	1680.00	
	M. DUMALA - 6 HR AT 46/HR JUNE	276.00	
	D. MORAL - 1/2 DAY AT 336/DAY	168.00	
	H. SMITH - 7 1/2 DAYS AT 272/DAY	2040.00	
	L. GILBRIDE - 6 1/2 DAYS AT 224/DAY	1456.00	
	E. NELSON - 6 1/2 DAYS AT 224/DAY	1456.00	

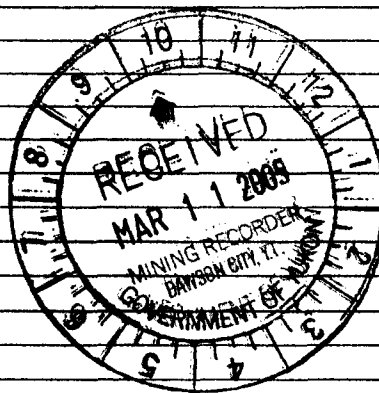
Accounting and Expediting	J. Mariacher- 7 1/4 hrs at \$58/hr JUNE	420.50	
	1 AUG	58.00	
	EXPEDITAV L. COLBETT 9 1/2 HR AT 40/HR	380.00	8954.50

OTHER SERVICES

Room and Board in Whitehorse	2 1/2 + 6 days at \$90/day	765.00	
Field equipment from AC stock	23 DAYS AT 50 + 1 LATH AT 16.95	1166.95	
Printing	Photocopies 15741 @ .15	29.25	
Rentals from AC	+39		
Loomis Courier	1 AT 13.85 + 1 AT 20 + 1 @ 20	53.85	2015.05

EXPENSES

Petty Cash	42.38 BY	42.38	
Telephone			
	INTEGRAPHIX	69.81	
	SUNRISE DATA	13.98	
	SUNRISE SERVICE	62.65	
	MAIL BOXES ETC	19.55	
	FILENEED HELICOPTERS	1810.77	2019.14



Management	5% on Expenses on Field A/C	100.96	
		0	100.96
		—	13089.65
GST (R100247667)	7% on 13089.65		916.28
			14005.93

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project **PANDRAMA PROJECT**
 Date **OCTOBER 1 - DECEMBER 31, 2004**

LABOUR

Field	Description	Month	Amount	
D. EATON	4 HRS AT 60/HR	OCT	240.00	
	- 5 HRS AT 60/HR	NOV	300.00	
	- 12 HRS AT 60/HR	DEC	720.00	
M. DUMALA	15 HRS AT 46/HR	OCT	690.00	
	- 1/2 HR AT 46/HR	NOV	23.00	
H. SMITH	23 1/2 HRS AT 34/HR	OCT	799.00	
	- 3 DAYS AT 27/DAY	NOV	816.00	
C. PREMIA	3 1/2 HRS AT 30.74/HR	DEC	107.52	

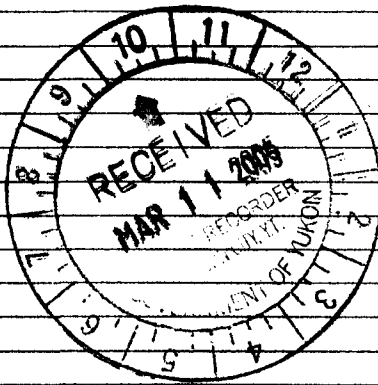
Accounting and Expediting J. Mariacher	8 hrs at \$58/hr	OCT	464.00	
	1 1/2	NOV	87.00	
	2	DEC	116.00	4367.52

OTHER SERVICES

Room and Board in Whitehorse	days at \$90 / day			
Field equipment from AC stock				
Printing	26.50	Photocopies 447 @.15 = 66.30	92.80	92.80
Rentals from AC				

EXPENSES

Petty Cash				
Telephone				
INTEGRAPHICA		OCT	4.21	4.21



Management 5% on Expenses on Field A/C			0.22	0.22
			0	4459.89
GST (R100247667) 7% on 4459.89				312.19
				4772.08



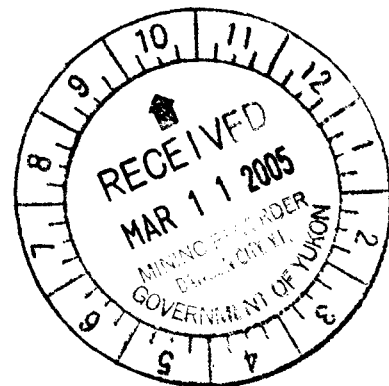
FLIGHT TICKET / INVOICE

WHITEHORSE DAWSON CITY
867-668-5888 @ **867-993-5700**
 fax: 867-668-7875 fax: 867-993-6839
 Box 26, Whitehorse, Yukon Y1A 5X9

No 2727

GST # 128659828

CHARTERER Archer Cathro		PILOT K. Scholz		DATE Aug 24, 25 / 04	
		SIGNATURE		AIRCRAFT FWH	
		CHEQUE	CASH	CHARGE	TYPE 206III
TELEPHONE	POSTAL CODE	PURCHASE ORDER NO.		BASE Dawson	
CUSTOMER FUEL		FLIGHT ITINERARY		PASS	TIME
		Aug 24/04			
LIT FROM	Archer Cathro	Dawson - Brewery Cr, Demob Camp		3	
LIT FROM		from Panorama Ridge - Antimony		1	
		Dlo Heather, Drill parts, Drill support		1	1:8
FIREWEED FUEL					
570	LIT FROM Dawson	@ \$1.10	Aug 25/04 Drill Support, parts in A.M.,		
LIT FROM		@ \$	Drill Support Coil Heater in P.M.		1:7
LIT FROM		@ \$	Aug 28/04 Move drill. Antimony, local, sling	3	
		diesel + core boxes from Hwy, Drill Crew			
OTHER CHARGES	DESCRIPTION	AMOUNT			
			change.	ANT	6:9
			Aug 28/04 Morning Drill Crew Change.	9.4	1:8
PILOT EXPENSES		DESCRIPTION	AMOUNT	RATE PER HOUR WET/DRY	TOTAL
				950.00	11:2
		788.69			
		9456.23			
		1810.77			
PASSENGERS (names)		FLIGHT	10,640.00	GST	744.80
Antimony		FUEL	627.00	GST	43.89
Panorama		OTHER		GST	
AUTHORIZED BY (print)		TOTAL	11,267.00		788.69
1205.69					\$ 12055.69
SIGNATURE X					





TRANS NORTH HELICOPTERS
TRANS NORTH TURBO AIR LTD.

Archival's Catering
CHARTERER
GDA
BILLING ADDRESS

ACCOUNT NUMBER	AKHATA		
INVOICE NUMBER	32144		
INVOICE DATE	27	08	04
A/C TYPE	206B <i>Popo</i>		
AIRCRAFT REGISTRATION C	120804		
FLIGHT DATE	1	08	04
PURCHASE ORDER NO.			

FUEL & OIL X1 TMTA FUEL USED
TMTA CUST. *SP4* MRS LITRES *2.0* FROM *GDA*

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
<i>GDA</i>			
<i>Anthony - Mikil.</i>		<i>0.5</i>	
<i>6 Loads Work Cr.</i>			<i>RODS CONE BOXES</i>
<i>Anthony</i>		<i>2.5</i>	<i>HOSES.</i>
<i>Loki Move</i>			<i>3 LOADS f</i>
<i>CAMP TO PANAMA</i>		<i>1.5</i>	<i>3 PEOPLE DEPART.</i>
<i>1 Load Anthony</i>			
<i>RTN GDA.</i>		<i>0.8</i>	<i>FUEL + CONES</i>
			<i>PLUS DRILL PARTS</i>
<i>38 centiminy - 2094.8V</i>			
<i>1.5 Panama - 1458.48</i>			

Please Remit To:
Trans North Helicopters
PO Box #8
Whitehorse, Yukon
Y1A 5X9

	<i>5.3</i>	@	<i>925.00</i>	<i>4902</i>	<i>50</i>
HOLDING TIME:		@	/ HR.		
FUEL	<i>270</i>	@	<i>110</i> / LITRE	<i>250</i>	<i>80</i>
FUEL		@	/ LITRE		
MEALS & LODGINGS					
OTHER					
OTHER					
SUB TOTAL				<i>5153</i>	<i>30</i>
GOODS & SERVICES TAX					
REGISTRATION NO. R121483135				<i>360</i>	<i>73</i>
TOTAL				<i>5514</i>	<i>03</i>

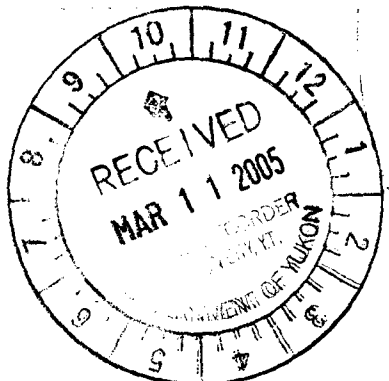
TERMS: PAYABLE UPON RECEIPT OF INVOICE.
2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS.
IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *DOUG EATON Sr.*
CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)
INITIALS *DA*
PILOTS SIGNATURE
ENGINEER'S NAME *JSC CANTON.*

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT





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 ALS Canada Ltd.
 212 Brooksbank Avenue
 North Vancouver BC V7J 2C1 Canada
 Phone: 604 984 0221 Fax: 604 984 0218

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

INVOICE NUMBER 1130208

BILLING INFORMATION	
Certificate:	VA04058271
Account:	RCM
Date :	9-SEP-2004
Project:	Panarama Ridge ✎
P.O. No.:	
Quote:	
Terms:	Net 30 Days C1
Comments:	

ANALYSED FOR			UNIT PRICE	TOTAL
QUANTITY	CODE	DESCRIPTION		
18	PREP-31	Crush, Split, Pulverize	4.50	81.00
20.84	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.23	4.79
18	Au-ICP21	Au 30g FA ICP-AES Finish	10.13	182.34
18	ME-ICP41	34 Element Aqua Regia ICP-AES	4.88	87.84
18	GEO-AR01	Aqua regia digestion	1.88	33.84

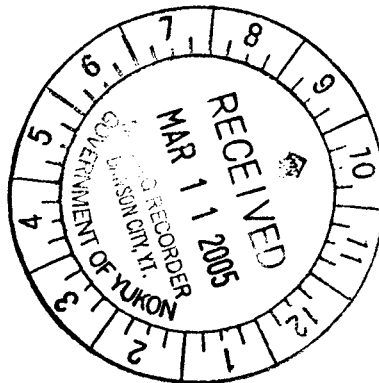
SUBTOTAL (CAD) \$ 389.81

GST R100938885 \$ 27.29

TOTAL PAYABLE (CAD) \$ 417.10

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

Please Remit Payments To :
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 212 Brooksbank Avenue
 North Vancouver BC V7J 2C1



Handwritten: Panarama 80.99
 1156.99
 1237.98

Handwritten: On Oct 3, 2004 #180



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INVOICE NUMBER 1130207

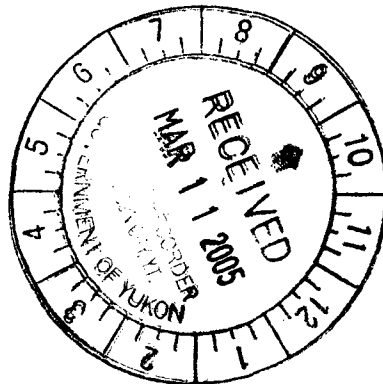
BILLING INFORMATION	
Certificate:	VA04058270
Account:	RCM
Date :	12-SEP-2004
Project:	Panarama Ridge <i>JK</i>
P.O. No.:	
Quote:	
Terms:	Net 30 Days C1
Comments:	

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
1	BAT-01	Administration Fee	22.50	22.50
41	PREP-41	Dry, Sieve (180 um) Soil	0.94	38.54
10.42	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	1.31	13.65
41	Au-ICP21	Au 30g FA ICP-AES Finish	10.13	415.33
41	ME-ICP41	34 Element Aqua Regia ICP-AES	4.88	200.08
41	GEO-AR01	Aqua regia digestion	1.88	77.08

SUBTOTAL (CAD) \$ 767.18
 GST R100938885 \$ 53.70
TOTAL PAYABLE (CAD) \$ 820.88

To: **ATAC RESOURCES LTD.**
 ATTN: ACCOUNTS PAYABLE
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STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.


W. Douglas Eaton, B.Sc. Geology

APPENDIX II
CERTIFICATES OF ANALYSIS



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Page: 1
Finalized Date: 9-SEP-2004
Account: RCM

CERTIFICATE VA04058271

Project: Panarama Ridge
P.O. No.:
This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on 27-AUG-2004.
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
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	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: 



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Project: Panarama Ridge

Page: 2 - A
 Total Pages: 2 (A - C)
 Finalized Date: 9-SEP-2004
 Account: RCM

CERTIFICATE OF ANALYSIS VA04058271

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	ppm
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
MO11851		0.74	0.022	0.3	1.26	196	<10	250	0.5	3	0.50	<0.5	7	69	43	1.89
MO11852		1.02	0.381	0.4	1.08	301	<10	210	0.6	8	0.50	0.5	5	75	61	1.74
MO11853		0.96	0.017	0.7	1.72	238	<10	470	0.8	3	0.99	1.3	6	104	72	2.38
MO11854		1.32	0.012	0.9	1.84	342	<10	440	0.6	2	0.81	1.6	7	57	52	2.66
MO11855		0.98	0.152	0.5	1.38	467	<10	260	0.7	6	0.62	0.6	7	107	200	2.06
MO11856		0.66	0.031	0.3	1.34	602	<10	340	0.7	4	0.56	0.7	6	103	63	2.22
MO11857		1.10	0.096	0.3	1.53	98	<10	250	0.8	3	1.04	0.8	6	126	158	2.04
MO11858		1.44	0.305	0.3	4.64	21	<10	170	2.2	33	3.03	0.6	10	66	340	2.54
MO11859		1.38	0.024	0.3	3.00	55	<10	210	1.8	<2	1.55	0.8	19	112	108	2.32
MO11860		1.50	0.009	0.2	1.76	24	<10	290	0.6	2	0.30	<0.5	3	76	42	1.74
MO11861		1.30	0.010	0.4	0.57	122	<10	440	0.5	2	0.01	<0.5	1	93	22	2.59
MO11862		1.56	0.013	0.5	3.06	35	<10	260	1.3	2	0.89	2.8	12	77	99	2.27
MO11863		1.46	0.005	0.2	0.72	287	10	430	0.5	<2	0.07	<0.5	1	130	50	1.50
MO11864		1.02	0.009	0.3	1.96	165	<10	220	0.7	3	0.40	1.0	8	38	130	1.74
MO11865		1.32	0.008	0.2	2.98	38	10	160	1.3	2	2.07	<0.5	10	93	76	2.21
MO11866		0.94	0.013	0.8	0.65	425	10	450	0.5	3	0.08	1.5	11	91	50	0.84
MO11867		1.16	0.006	0.9	0.68	624	10	180	0.5	2	0.04	1.1	2	99	36	0.86
MO11868		0.98	<0.001	<0.2	2.20	63	<10	570	0.6	<2	0.32	<0.5	4	62	58	3.52



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 Project: Panarama Ridge

Page: 2 - B
 Total Pages: 2 (A - C)
 Finalized Date: 9-SEP-2004
 Account: RCM

CERTIFICATE OF ANALYSIS VA04058271

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
M011851		<10	<1	0.56	30	0.61	237	1	0.10	9	790	18	0.02	<2	3	45
M011852		<10	<1	0.44	30	0.48	239	3	0.10	7	780	32	0.02	2	3	46
M011853		10	<1	0.69	30	0.71	343	1	0.21	10	900	69	0.03	5	5	129
M011854		10	<1	0.82	30	0.88	336	1	0.14	7	960	64	0.04	<2	4	102
M011855		10	<1	0.55	30	0.84	231	3	0.14	10	700	28	0.05	2	5	59
M011856		10	<1	0.60	30	0.85	265	8	0.14	8	850	34	0.04	2	5	60
M011857		10	<1	0.50	20	0.76	160	3	0.14	45	2410	17	0.07	<2	3	77
M011858		20	<1	0.34	20	0.53	152	46	0.20	73	860	10	0.95	2	3	198
M011859		10	<1	0.54	10	0.82	124	9	0.14	98	230	13	0.72	5	3	79
M011860		10	<1	0.81	10	0.84	90	<1	0.02	16	1180	8	0.02	<2	5	15
M011861		<10	<1	0.37	20	0.11	36	3	0.01	4	390	58	0.31	7	3	13
M011862		10	<1	0.99	10	1.18	167	<1	0.19	46	200	24	0.25	5	7	52
M011863		<10	<1	0.26	10	0.10	19	4	0.01	6	730	16	0.02	28	2	61
M011864		10	<1	0.23	10	0.25	57	1	0.03	53	270	13	0.16	36	2	24
M011865		10	<1	0.20	10	0.34	75	1	0.20	41	240	6	0.96	3	1	72
M011866		<10	<1	0.14	10	0.06	72	2	<0.01	9	700	104	0.01	17	1	111
M011867		<10	1	0.32	10	0.14	33	1	<0.01	5	210	89	0.02	18	2	10
M011868		10	<1	0.71	30	0.90	164	2	0.04	8	1010	21	0.11	10	6	47



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Page: 2 - C
 Total Pages: 2 (A - C)
 Finalized Date: 9-SEP-2004
 Account: RCM

CERTIFICATE OF ANALYSIS VA04058271

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
M011851		0.18	<10	<10	42	<10	61
M011852		0.15	<10	<10	35	<10	50
M011853		0.21	<10	<10	54	<10	118
M011854		0.23	<10	<10	61	<10	114
M011855		0.16	<10	<10	53	<10	55
M011856		0.18	<10	<10	51	<10	63
M011857		0.15	<10	<10	83	<10	45
M011858		0.16	<10	10	153	<10	34
M011859		0.13	<10	<10	87	<10	49
M011860		0.08	<10	<10	76	<10	29
M011861		0.01	<10	<10	33	<10	7
M011862		0.17	<10	<10	48	<10	83
M011863		0.01	<10	<10	50	<10	10
M011864		0.10	<10	<10	23	<10	52
M011865		0.14	<10	<10	15	<10	29
M011866		<0.01	<10	<10	23	<10	17
M011867		0.01	<10	<10	24	<10	20
M011868		0.24	<10	<10	73	<10	43



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Finalized  **Page: 1**
12-SEP-2004
Account: RCM

CERTIFICATE VA04058270

Project: Panarama Ridge
 P.O. No.:
 This report is for 41 Soil samples submitted to our lab in Vancouver, BC, Canada on 27-AUG-2004.
 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
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **ATAC RESOURCES LTD.**
ATTN: AL ARCHER
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Signature: 



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Page: 2 - A
 Total Pages: 3 (A - C)
 Finalized Date: 12-SEP-2004
 Account: RCM

CERTIFICATE OF ANALYSIS VA04058270

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	
BB33894		0.28	0.155	0.5	1.51	571	<10	110	0.6	7	0.14	<0.5	8	23	80	2.40
BB33895		0.34	0.102	0.4	1.45	611	<10	100	0.7	6	0.16	0.5	8	22	72	2.36
BB33896		0.28	0.107	0.4	1.40	1290	<10	170	1.0	13	0.21	0.6	8	20	90	2.55
BB33897		0.32	0.134	0.2	1.32	1245	<10	120	0.8	17	0.22	0.8	9	21	62	2.64
BB33898		0.24	0.096	0.3	1.42	1190	<10	130	0.8	9	0.18	0.7	8	21	74	2.57
BB33899		0.28	0.077	0.5	1.43	2300	<10	150	0.9	21	0.18	1.1	11	23	124	2.74
BB33900		0.28	0.142	0.5	1.33	2640	<10	140	0.8	15	0.18	2.0	11	21	107	2.55
BB33901		0.28	0.135	0.5	1.48	2360	<10	160	0.9	15	0.23	2.2	12	24	82	2.78
BB33902		0.24	0.047	0.4	1.61	1080	<10	120	0.6	11	0.13	0.7	7	25	52	2.67
BB33903		0.30	0.260	0.8	1.55	3860	<10	150	0.9	24	0.24	1.1	11	28	64	2.98
BB33904		0.22	0.030	<0.2	1.76	1000	<10	170	0.8	9	0.19	0.6	10	26	35	3.08
BB33905		0.28	0.045	0.7	1.47	3700	<10	120	1.2	23	0.34	0.7	9	22	164	2.57
BB33906		0.24	0.088	0.6	1.15	2520	<10	120	1.4	25	0.48	1.3	8	21	190	2.32
BB33907		0.24	0.060	0.5	1.39	1085	<10	130	0.9	7	0.20	2.4	8	22	59	2.89
BB33908		0.26	0.228	0.6	1.55	2640	<10	150	0.7	26	0.15	1.7	11	23	78	2.70
BB33909		0.28	0.282	1.6	1.30	6250	<10	250	1.1	57	0.28	3.2	20	22	158	3.11
BB33910		0.24	0.089	1.0	1.43	5140	<10	200	1.0	20	0.25	1.3	12	22	138	3.14
BB33911		0.30	0.186	1.0	1.83	4350	<10	190	1.8	27	0.33	1.6	13	29	209	3.36
BB33912		0.22	0.053	0.3	1.59	678	<10	130	0.6	7	0.13	0.5	9	25	54	2.59
BB33913		0.28	0.100	2.6	1.66	6520	<10	200	2.0	107	0.50	1.3	15	33	316	3.23
BB33914		0.18	0.009	<0.2	1.21	1190	<10	120	0.5	17	0.17	<0.5	8	21	23	2.41
BB33915		0.18	0.041	0.3	1.81	106	<10	170	0.8	2	0.11	1.3	9	34	64	2.93
BB33916		0.24	0.145	2.2	1.57	724	<10	200	0.6	5	0.20	1.3	10	35	90	3.48
BB33917		0.20	0.052	<0.2	1.80	94	<10	150	0.9	<2	0.15	1.1	15	27	64	2.86
BB33918		0.20	0.019	<0.2	1.76	1100	<10	160	0.7	5	0.15	<0.5	9	27	104	2.80
BB33919		0.26	0.083	0.7	1.36	3230	<10	130	0.9	25	0.17	1.8	11	23	302	2.99
BB33920		0.30	0.058	0.4	1.42	3710	<10	100	1.1	16	0.32	1.1	10	26	93	2.90
BB33921		0.26	0.149	2.1	1.66	4790	<10	240	1.6	40	0.29	4.0	20	26	201	3.63
BB33922		0.18	0.075	0.6	1.41	2390	<10	120	0.9	19	0.18	0.8	9	24	70	2.68
BB33923		0.26	0.039	0.4	1.48	1350	<10	120	0.8	8	0.27	<0.5	7	22	65	2.39
BB33924		0.20	0.061	0.8	1.38	2200	<10	120	0.7	28	0.16	0.6	8	23	84	2.56
BB33925		0.22	0.077	0.4	1.53	1365	<10	170	1.2	9	0.34	<0.5	8	23	84	2.79
BB33926		0.28	0.066	0.6	1.28	971	<10	110	0.6	10	0.25	0.6	11	22	83	2.30
BB33927		0.24	0.118	0.5	1.24	1610	<10	140	1.0	10	0.69	0.6	9	24	162	2.28
BB33928		0.24	0.188	0.5	1.18	1200	<10	130	0.7	20	0.22	1.2	9	20	108	2.13
BB33929		0.28	0.475	1.0	1.25	2720	<10	220	1.0	104	0.21	1.3	10	19	181	2.57
BB33930		0.26	0.128	0.4	1.30	1355	<10	180	0.8	18	0.21	0.8	10	22	80	2.31
BB33931		0.24	0.124	0.3	1.04	567	<10	170	0.7	9	0.26	0.5	8	20	99	2.14
BB33932		0.26	0.033	0.2	1.35	1635	<10	190	0.9	13	0.30	0.9	8	22	82	2.53
BB33933		0.26	0.032	0.4	1.42	2080	<10	140	0.8	18	0.33	<0.5	7	22	82	2.41



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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1
BB33894		<10	<1	0.07	20	0.42	326	2	0.01	15	500	31	0.01	9	2	16
BB33895		<10	1	0.07	20	0.42	297	2	0.01	16	610	27	0.01	10	2	16
BB33896		<10	<1	0.05	20	0.35	343	2	0.01	16	620	33	0.02	11	3	23
BB33897		<10	1	0.05	20	0.35	401	1	0.01	15	730	42	0.01	14	4	20
BB33898		<10	<1	0.05	20	0.32	323	2	0.01	12	560	29	0.02	16	2	20
BB33899		<10	1	0.06	20	0.39	388	2	0.01	18	640	68	0.01	40	4	20
BB33900		<10	<1	0.06	20	0.41	415	1	0.01	19	700	86	0.02	34	4	17
BB33901		<10	<1	0.08	20	0.45	422	2	0.01	19	730	74	0.02	42	5	23
BB33902		10	1	0.05	10	0.37	273	2	0.01	13	400	39	0.02	10	2	16
BB33903		10	<1	0.05	20	0.48	373	1	0.01	16	780	70	0.02	45	5	25
BB33904		10	<1	0.10	20	0.45	583	1	0.01	16	650	24	0.02	14	5	19
BB33905		<10	1	0.04	20	0.41	385	1	0.01	12	810	38	0.02	19	6	31
BB33906		<10	1	0.06	30	0.29	502	1	0.01	10	1070	64	0.01	41	8	33
BB33907		<10	<1	0.06	20	0.31	550	1	0.01	13	650	127	0.02	70	4	20
BB33908		<10	<1	0.05	20	0.39	516	2	0.01	19	700	69	0.02	24	4	16
BB33909		<10	1	0.08	40	0.43	520	2	0.01	19	830	278	0.01	90	4	31
BB33910		<10	<1	0.07	20	0.34	480	2	0.01	16	700	48	0.02	25	6	27
BB33911		10	1	0.21	50	0.43	474	2	0.01	12	960	91	0.02	46	8	50
BB33912		<10	<1	0.05	10	0.43	292	1	0.01	20	340	31	0.02	6	3	15
BB33913		10	1	0.15	60	0.99	366	<1	0.01	13	1250	166	0.01	54	12	49
BB33914		<10	<1	0.04	10	0.35	249	1	0.01	16	350	20	0.02	5	3	17
BB33915		10	<1	0.14	10	0.48	483	4	0.01	22	910	26	0.06	2	2	15
BB33916		10	1	0.13	20	0.47	376	5	0.01	23	1630	89	0.11	36	2	24
BB33917		10	<1	0.11	10	0.56	411	2	0.01	34	510	24	0.04	6	2	24
BB33918		<10	<1	0.05	20	0.46	415	1	0.01	18	630	25	0.02	21	4	16
BB33919		<10	<1	0.05	20	0.37	400	1	0.01	16	620	125	0.01	168	5	23
BB33920		<10	1	0.04	20	0.31	361	1	<0.01	13	980	43	0.01	58	7	31
BB33921		10	2	0.11	30	0.37	679	1	0.01	16	1050	276	0.02	223	9	39
BB33922		<10	1	0.04	20	0.35	400	1	0.01	13	810	47	0.04	53	3	19
BB33923		<10	<1	0.06	20	0.39	329	1	0.01	14	750	30	0.02	19	4	24
BB33924		10	<1	0.05	20	0.36	318	1	0.01	12	750	39	0.04	32	2	18
BB33925		<10	<1	0.08	30	0.37	485	1	0.01	12	850	43	0.02	33	5	32
BB33926		<10	<1	0.06	20	0.40	282	2	0.01	18	650	32	0.02	16	3	20
BB33927		<10	<1	0.05	30	0.48	284	2	0.01	13	830	29	0.04	25	4	37
BB33928		<10	<1	0.07	20	0.38	312	1	0.01	19	750	68	0.02	29	4	18
BB33929		<10	<1	0.06	30	0.35	606	2	0.01	14	690	204	0.01	64	6	51
BB33930		<10	2	0.07	20	0.39	278	1	0.01	17	630	58	0.03	21	4	23
BB33931		<10	<1	0.07	20	0.37	294	1	0.01	17	720	29	0.03	11	4	23
BB33932		10	1	0.08	30	0.43	497	1	0.01	13	660	36	0.03	21	5	27
BB33933		10	1	0.04	20	0.37	297	2	0.01	11	810	57	0.04	22	4	24



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		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
BB33894		0.05	<10	<10	44	<10	60
BB33895		0.05	<10	<10	39	<10	60
BB33896		0.03	<10	<10	39	<10	62
BB33897		0.04	<10	<10	42	<10	75
BB33898		0.03	<10	<10	42	<10	66
BB33899		0.04	<10	<10	43	<10	83
BB33900		0.04	<10	<10	39	<10	90
BB33901		0.05	<10	<10	44	<10	102
BB33902		0.05	<10	<10	51	<10	66
BB33903		0.03	<10	<10	48	<10	79
BB33904		0.07	<10	<10	51	<10	64
BB33905		0.02	<10	<10	40	<10	54
BB33906		0.02	<10	<10	38	<10	81
BB33907		0.04	<10	<10	46	<10	144
BB33908		0.04	<10	<10	41	<10	82
BB33909		0.04	<10	<10	39	<10	97
BB33910		0.03	<10	<10	42	<10	65
BB33911		0.05	<10	<10	50	<10	99
BB33912		0.05	<10	<10	43	<10	57
BB33913		0.01	<10	<10	58	<10	50
BB33914		0.04	<10	<10	44	<10	42
BB33915		0.08	<10	<10	107	<10	69
BB33916		0.06	<10	<10	108	<10	78
BB33917		0.07	<10	<10	54	<10	86
BB33918		0.05	<10	<10	48	<10	60
BB33919		0.03	<10	<10	43	<10	89
BB33920		0.02	<10	<10	48	<10	69
BB33921		0.03	<10	<10	48	<10	131
BB33922		0.03	<10	<10	44	<10	71
BB33923		0.03	<10	<10	42	<10	57
BB33924		0.03	<10	<10	44	<10	61
BB33925		0.04	<10	<10	45	<10	66
BB33926		0.04	<10	<10	42	<10	59
BB33927		0.03	<10	<10	40	<10	52
BB33928		0.04	<10	<10	36	<10	70
BB33929		0.04	<10	<10	38	<10	74
BB33930		0.05	<10	<10	41	<10	74
BB33931		0.06	<10	<10	40	<10	57
BB33932		0.04	<10	<10	45	<10	65
BB33933		0.03	<10	<10	44	<10	53



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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 0.02	Au ppm 0.001	Ag ppm 0.2	Al % 0.01	As ppm 2	B ppm 10	Ba ppm 10	Be ppm 0.5	Bi ppm 2	Ca % 0.01	Cd ppm 0.5	Co ppm 1	Cr ppm 1	Cu ppm 1	Fe % 0.01
BB33934		0.28	0.079	0.5	1.52	1930	<10	140	0.9	15	0.23	1.9	8	25	58	2.88



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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	NI	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
BB33934		10	1	0.07	20	0.38	492	1	0.01	13	670	130	0.04	55	4	21



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		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
BB33934		0.01	10	10	1	10	2
		0.05	<10	<10	50	<10	152