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ASSESSMENT REPORT

describing

GEOPHYSICAL AND GEOCHEMICAL SURVEYS, GEOLOGICAL MAPPING AND PROSPECTING

at the

ARN PROPERTY

Arn 1-8	YB06323-YB06330
9-14	YB27511-YB27516
15-18	YB38261-YB38264
19-28	YC19631-YC19640
29-68	YC25958-YC25997
69	YC30011

NTS 115F/15
Latitude 61°58'N; Longitude 140°41'W

in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.
and
AUGER RESOURCES LTD.

by

H. Smith, B.Sc. Geology, GIT.
December 2008

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INTRODUCTION

The Arn property covers a number of gold±copper skarn showings. The property is owned by ATAC Resources Ltd. and is under option to Auger Resources Ltd.

This report describes a two phase exploration program conducted in summer 2008. Phase I was completed on June 22 and comprised helicopter-borne versatile-time domain electromagnetic (VTEM) and magnetic surveys flown across the property by Geotech Ltd. Phase II was performed by Archer, Cathro & Associates (1981) Limited on behalf of ATAC and Auger. Geological mapping, prospecting and geochemical sampling were completed between July 24 and August 5 by a two to three person crew working from fly camps on the property. The author participated in Phase II and her Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Arn property comprises 69 contiguous mineral claims located approximately 216 km northwest of Haines Junction in southwestern Yukon, at latitude 61º58'N and longitude 140º41'W on NTS map sheet 115F/15 (Figure 1). The claims are registered with the Whitehorse 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.

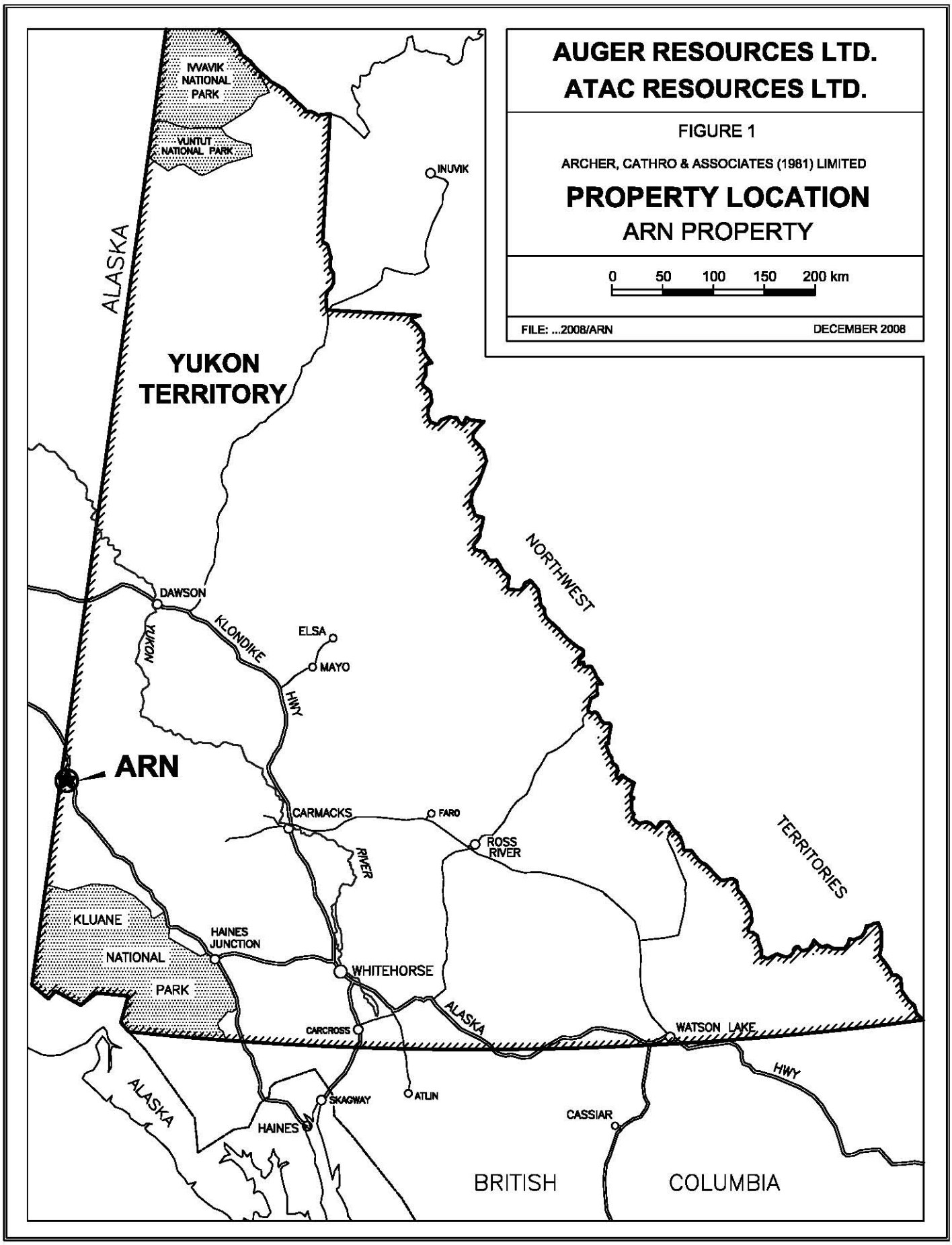
Claim Name	Grant Number	Expiry Date*
Arn 1-8	YB06323-YB06330	March 31, 2025
9-14	YB27511-YB27516	March 31, 2025
15-18	YB38261-YB38264	March 31, 2025
19-28	YC19631-YC19640	March 31, 2025
29-68	YC25958-YC25997	March 31, 2021
69	YC30011	March 31, 2018

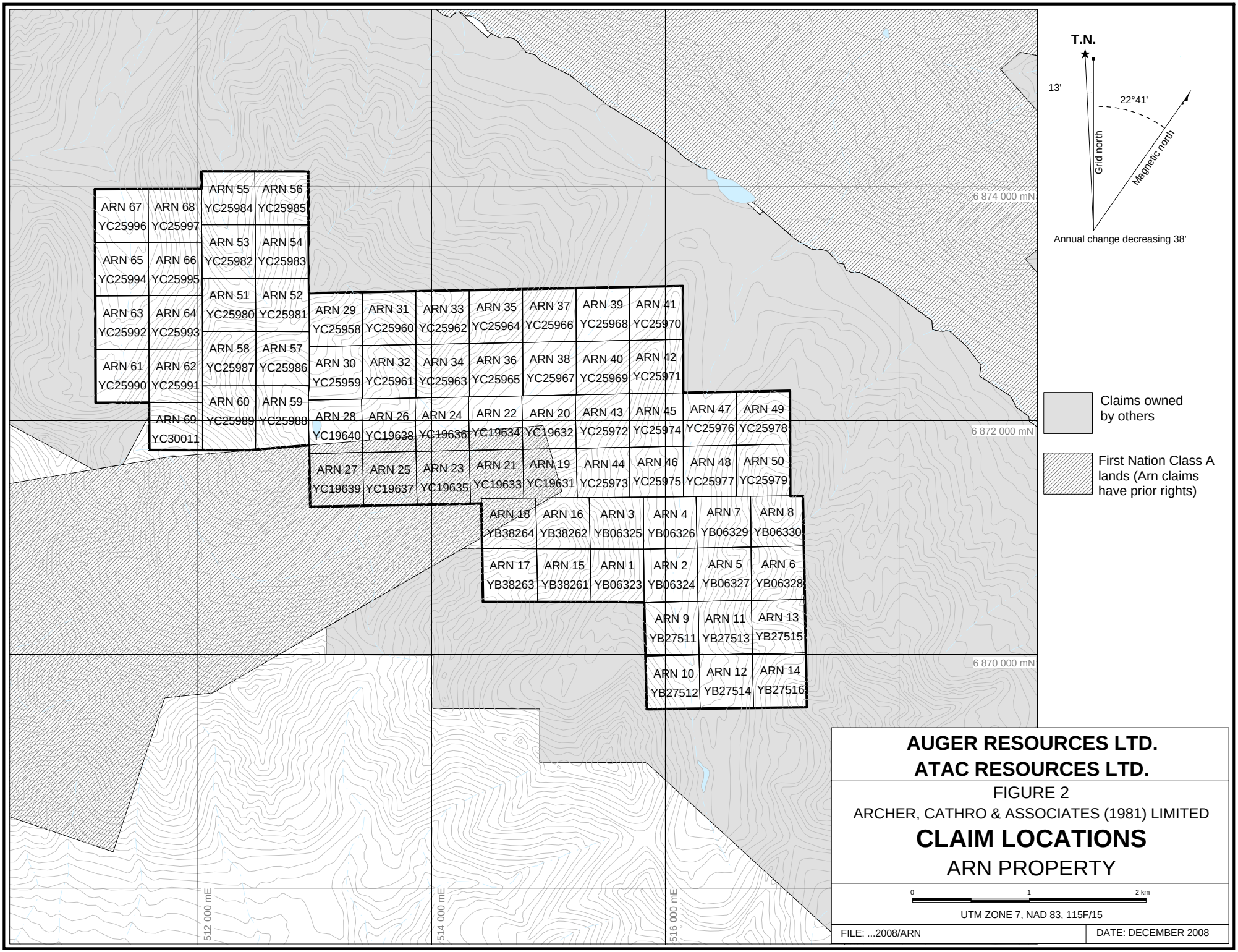
*Expiry dates include 2008 work which has been filed for assessment credit but not yet accepted.

The south-central portion of the claim block is partially overlapped by Class A lands belonging to the White River First Nation. The mineral claims covered by this overlap were staked prior to the land withdrawal and the Whitehorse Mining Recorder asserts that the mineral rights are consequently not impaired by the land claim.

The property is located 10 km southeast of White River Lodge, which is accessible via the Alaska Highway. The lodge lies 375 km northwest of Whitehorse and 80 km southeast of Beaver Creek, the closest community. A gravel road runs from the Alaska Highway, up Sanpete Creek to within nine kilometres of the Arn property. An old bulldozer trail extends six kilometres further, to within three kilometres of the property. The closest year-round helicopter base is located at Haines Junction.

Phase I work was done from Dawson with intraday refuelling at an airstrip at the White River Lodge. The crew and camp involved in Phase II work were mobilized from the airstrip using a


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FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
ARN PROPERTY
0 50 100 150 200 km
FILE: ...2008/ARN
DECEMBER 2008
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
NORTHWEST
TERRITORIES
DAWSON
YUKON
KLONDIKE
HWY
ELSA
MAYO
ARN
CARMACKS
FARO
ROSS RIVER
RIVER
KLUANE
NATIONAL
PARK
HAINES JUNCTION
WHITEHORSE
ALASKA
CARCROSS
WATSON LAKE
HWY
ATLIN
SKAGWAY
HAINES
ALASKA
CASSIAR
BRITISH
COLUMBIA



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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

ARN PROPERTY

FILE: ...2008/ARN

DATE: DECEMBER 2008

Bell 206B helicopter operated by Trans North Helicopters from a temporary base at the lodge.

HISTORY

The exploration history of the Arn property dates back to the 1970s and is documented in Yukon Minfile as entries 115F 048 and 049 (Deklerk, 2004). Figure 3 shows areas where pre-2008 exploration was done and the location of known mineral zones. The following paragraphs summarize the work history.

A number of groups conducted reconnaissance-scale exploration for copper in the Kluane Ranges during he late 1960s and early 1970s. One of these groups, a syndicate composed of Imperial Oil Ltd., Bow Valley Industries Ltd. and Canadian Industrial Gas and Oil Ltd., staked part of the area now covered by the Arn property. There is no record of work performed or results obtained.

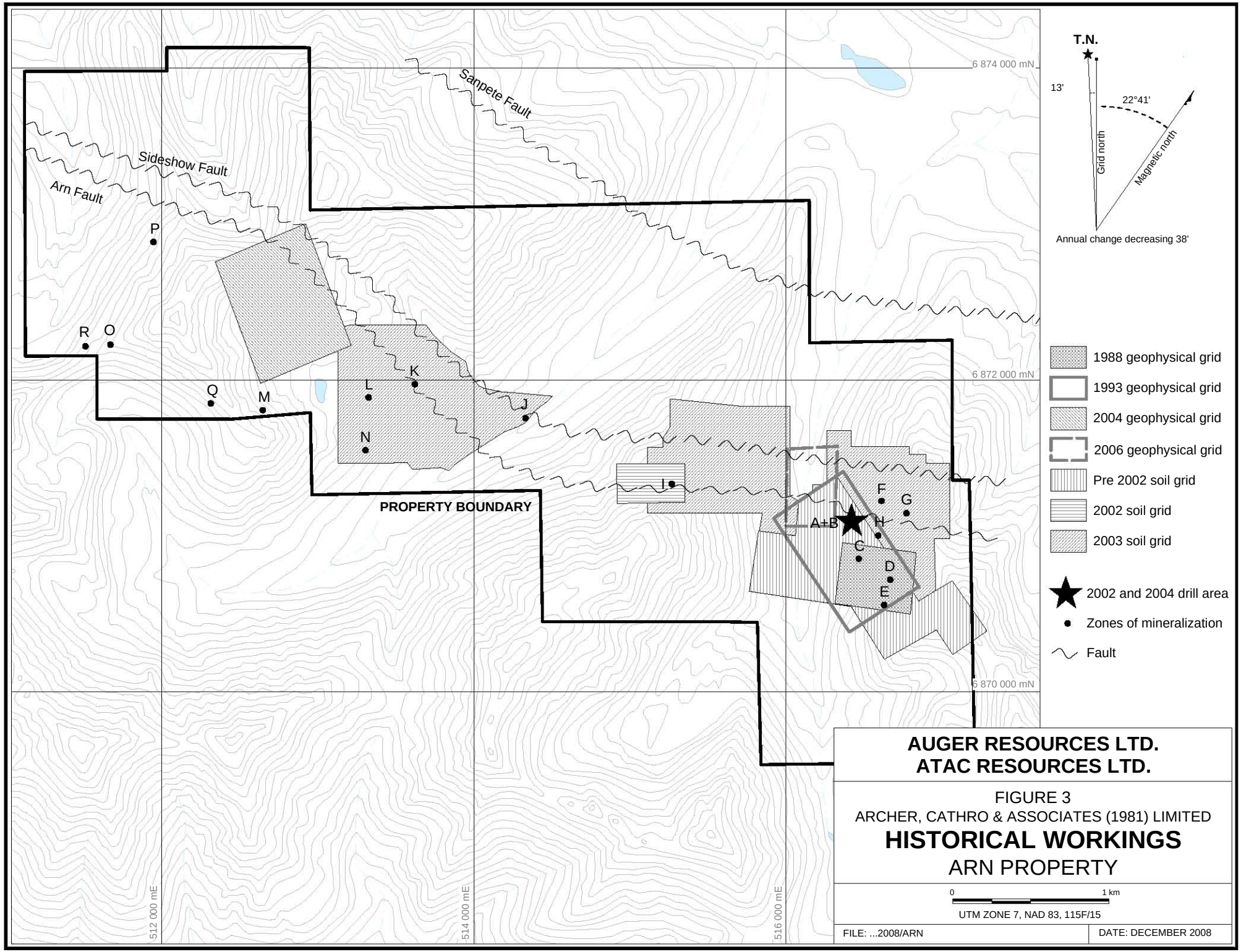
The area was again explored but not staked by Nat Joint Venture (Chevron Canada Ltd. and Armco Mineral Exploration Co.) in 1980 on the basis of anomalous gold values obtained from previously collected stream sediment samples (Archer and Onasick, 1980). Although follow up prospecting in 1981 and 1982 yielded rock specimens that assayed between 1 and 7 g/t gold and numerous strongly anomalous soil values, no further exploration was undertaken (Onasick and Archer, 1981 and Eaton and Nelson, 1982).

In 1987, Kluane Joint Venture (All-North Resources Ltd. and Chevron Minerals Ltd.) staked the first eight claims comprising the Arn property. That joint venture conducted geological, geochemical, ground magnetic and very low frequency electromagnetic (VLF-EM) surveys in 1988. That work identified a 700 m long belt of anomalous gold and copper soil geochemical values and identified three mineralized skarn zones. The best chip sample from these zones assayed 23.3 g/t gold over 3 m (Main, 1989). Kluane Joint Venture sold its interest in the property to a private syndicate, Acne Joint Venture, in 1990.

In 1993, Mendocino Resources Ltd. optioned the property and explored with additional geological, geochemical and geophysical surveys plus hand trenching. The work expanded the gold and copper soil geochemical anomalies to encompass an area 1200 m long and up to 500 m wide. It also yielded encouraging assays from chip samples, the best of which returned 79.2 g/t gold and 0.18% copper over 3 m (Copeland et al., 1993). Despite the positive results, Mendocino subsequently dropped its option.

Nordac Resources Ltd. (now Strategic Metals Ltd.) purchased the property in 1996 and performed prospecting, soil geochemistry and hand trenching in 1998. This program identified additional gold- and copper-bearing skarn showings and traced some of the better grade float to source. The highest grades reported from chip samples across bedrock exposed in hand trenches were 15.1 g/t gold with 0.20% copper over 2.5 m and 4.3 g/t gold with 6.21% copper over 1.5 m (Carne, 1999).

ATAC optioned the Arn property from Strategic Metals in February 2002. During June 2002, ATAC drilled four diamond drill holes with a total length of 181.67 m, and conducted soil



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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL WORKINGS

ARN PROPERTY

0 1 km

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN | DATE: DECEMBER 2008

sampling and prospecting. This was followed by additional prospecting and claim staking in August 2002 (Eaton, 2003 and Power, 2003).

In November 2002, ATAC purchased the property from Strategic Metals. In 2003, ATAC staked more claims and continued to explore by geological mapping, prospecting, grid and reconnaissance soil geochemistry, hand trenching and drill pad construction (Wengzynowski, 2003).

In June 2004, the property was optioned to Klondike Gold Corp., which staked one additional claim and performed geological mapping, hand trenching, ground magnetic surveys and 1003.72 m of diamond drilling in 18 holes (Becker, 2005). All diamond drilling was done at Zones A and B in the eastern part of the claim block. The remainder of the work was mostly done in the vicinity of Zones K, L, M and Q in the western part of the property.

In spring 2006 ATAC optioned the property to Nyah Resources Ltd. In July 2006, a two person crew working for Archer Cathro cut and surveyed lines on three grids: one covering Zones A and B, and the other two in the vicinity of Zones K, L and M. In late July and August, a geophysical crew employed by Aurora Geosciences Ltd. performed IP surveys across both grids (Wengzynowski, 2007).

ATAC optioned the property to Auger in March 2008.

GEOMORPHOLOGY

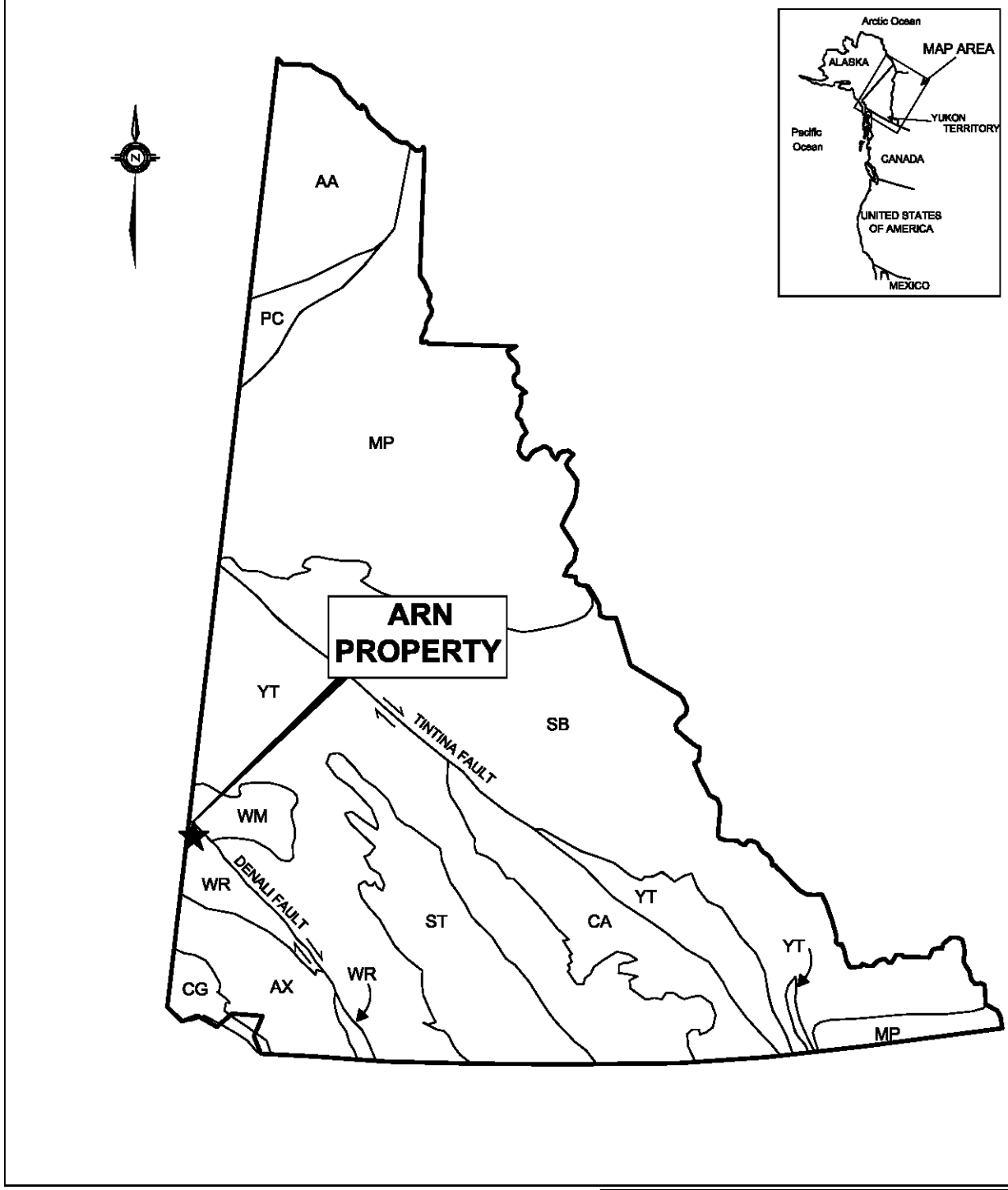
The Arn property is located near the northeastern limit of the St. Elias Mountains about six kilometres southwest of the Shakwak Valley. The property lies immediately northwest of Mount Taylor, a local promontory peaking at 2190 m. Elevations on the claim block range from about 1300 m to 1980 m. Topography in creek valleys consists of meandering, actively eroding creek beds, flanked by moraine terraces that are partially overlain by broad talus fans. Slopes are moderate to steep, typically varying between 20° and 45°.

Most of the property is above tree line. Vegetation ranges from stunted spruce and mature willow thickets along the creek beds, to scattered buckbrush and grass on the lower slopes, and ultimately to open talus slopes and cliffs at higher elevations.

Miles and Sanpete creeks drain the claims. Both creeks flow into the White River, which is part of the Yukon River watershed.

REGIONAL GEOLOGY

The Arn property lies within the Wrangellia tectonic element of the northern Cordillera (Figure 4). Wrangellia is an ancient island arc assemblage of basic to intermediate volcanic, fine grained pelitic clastic and minor carbonate lithologies intruded by post-accretionary intrusive rocks.



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	Stikinia / Cache Creek
AX	Alexander
WR	Wrangellia
CG	Chugach
WM	Windy McKinley

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING
ARN PROPERTY

0 100 200 km

DRAWN\REVISED BY: TCB/SN	
FILE: ...2008/ARN	DATE: DECEMBER 2008

The most recent mapping in the vicinity of the Arn property was completed at 1:50,000 scale by Israel and Cobbett (2007) as shown on Figure 5. The regional stratigraphy in the area of the property is summarized in Table I.

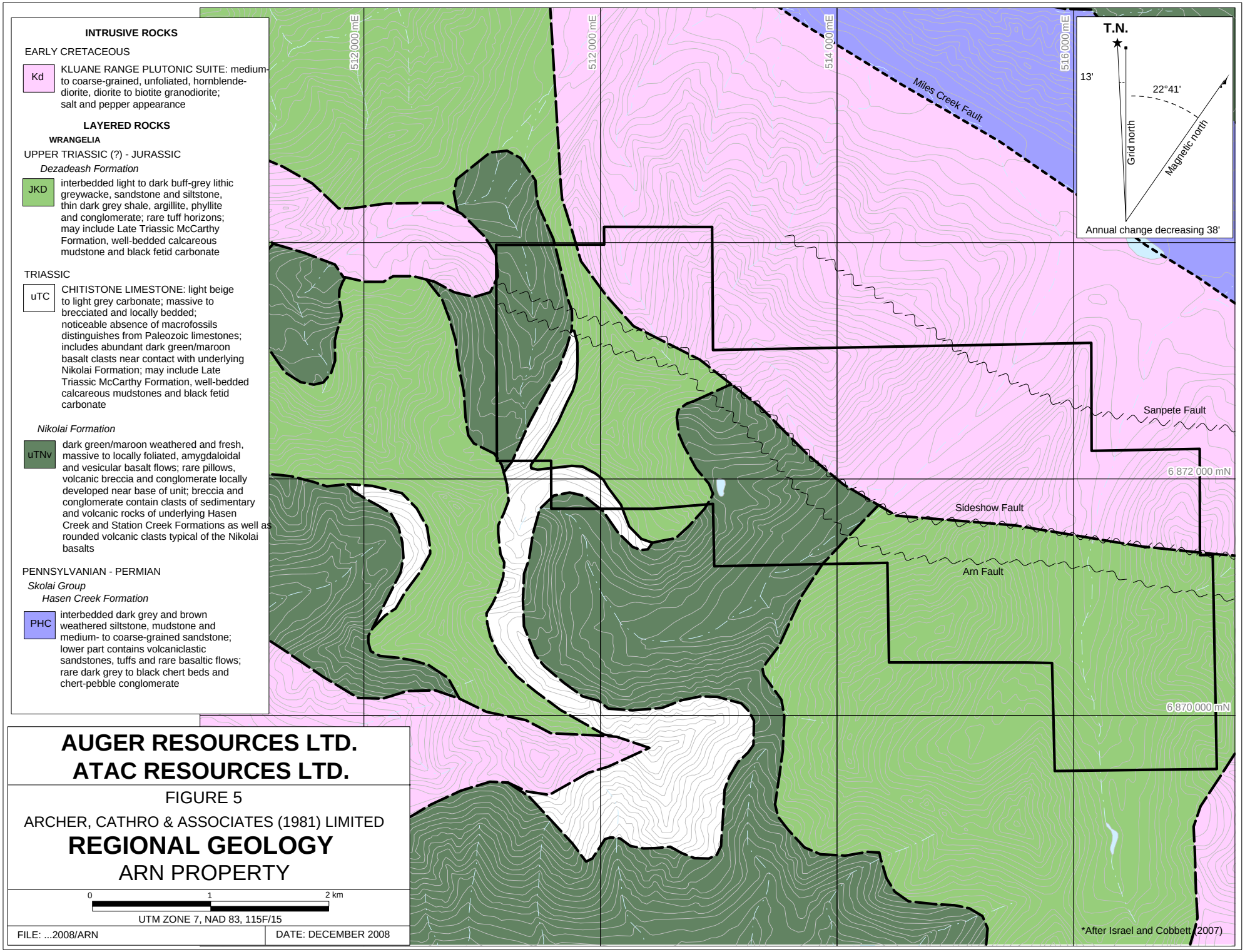
Table I - Regional Lithological Units*

FORMATION OR UNIT	AGE	DESCRIPTION (ABBREVIATION)
Overburden	Quaternary to Holocene	Overburden: unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits; talus at high elevations. (Q)
Kluane Range Plutonic Suite	Lower Cretaceous	Intrusive rocks: light grey weathering, medium grained, hornblende diorite and hornblende-biotite-quartz diorite. (Kd)
Dezadeash Formation	Lower Cretaceous	Clastics: interbedded light to dark buff grey lithic greywacke, sandstone, siltstone, dark grey shale, argillite, phyllite and conglomerate; rare tuff. (JKD)
Chitistone Formation	Upper Triassic	Carbonates: pale grey to beige, massive to well bedded limestone and calcareous argillite. (uTC)
Nikolai Formation	Upper Triassic	Volcanics: subaerial to submarine basalt flows typically less than 2 m thick with minor amounts of basal volcanic conglomerate and breccia; locally includes dark grey phyllite and minor thin grey limestone of Middle Triassic. (uTNv)
Skolai Group	Pennsylvanian – Lower Permian	Volcanic and sedimentary rocks: tuff, breccia, argillite, agglomerate, augite basaltic to andesitic flows (Station Creek Formation); succeeded by thin bedded argillite, siltstone, minor greywacke and conglomerate and local thin basaltic flows (Hasen Creek Formation). (PHC)

* after Israel and Cobbett (2007) and Gordey and Makepeace (1999)

The dominant geological structure in the vicinity of the Arn property is the Denali Fault (DF). This continental-scale fault system extends from the Queen Charlotte Islands in British Columbia through Yukon and into western Alaska. The DF originally developed along a northeast dipping subduction zone but the sense of displacement changed from mainly compressional to transpressional at the end of the Cretaceous (65 Ma). Approximately 350 km of right lateral displacement occurred along the fault zone during Late Cretaceous and Miocene times. The fault trace is centred approximately seven kilometres northeast of the Arn property, striking northwesterly into Alaska. In detail, the DF consists of anastomosing, steeply dipping faults in an overburden covered band approximately two kilometres wide.

Three phases of deformation are recognized in rocks south of the DF (the tectonic block containing the Arn property). The oldest event is documented in the Hasen Creek Formation which appears to have undergone pre-Middle Triassic deformation. All sedimentary and volcanic units in the block were affected by Late Jurassic to Early Cretaceous compression that produced northeast- and southwest-verging overturned folds. Subsequent movement on the DF resulted in numerous steep faults, extensional and compressional basins, and some local refolding (Israel and Cobbett, 2007).



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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

ARN PROPERTY

0 1 2 km

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN | DATE: DECEMBER 2008

PROPERTY GEOLOGY

Outcrop on the Arn property is abundant on the upper slopes of ridges, particularly on the walls of cirques, but is rare on lower slopes and along valley bottoms, where moraine terraces and broad talus fans are prevalent. For the purposes of this report, the property has been divided into two parts: Arn East and Arn West. Figure 6 illustrates the property geology after Main (1989), Copeland et al., (1993), Carne (1999), Eaton (2003) and Becker (2005). No work was done on Arn East in 2008, but parts of Arn West were mapped at 1:10,000 scale (Figure 7).

The four main lithologies mapped on the property are listed in Table II. Geology in the Arn West area is described in the paragraphs that follow the table.

Table II – Property Lithological Units

FORMATION OR UNIT	AGE	DESCRIPTION (ABBREVIATION)
Overburden	Quaternary to Holocene	Glacial deposits, talus and fluvial sediments (Q).
Kluane Range Plutonic Suite	Lower Cretaceous	Andesite and felsite dykes cut by diorite stocks and dykes (KRPS).
Dezadeash Formation	Lower Cretaceous	Mudstone, siltstone and sandstone with minor interbedded andesite flows (DFSD).
Chitistone Formation	Upper Triassic	Limestone (CHLS).
Nikolai Formation	Upper Triassic	Basalt and andesite flows (NFVC).

Nikolai Formation volcanic rocks (NFVC is equivalent to uTNv in regional geology) are the oldest exposed unit and underlie most of Arn West area. This unit consists of dark green, amygdaloidal to massive basalt flows containing up to 40% amygdules, mainly filled with calcite and chlorite. Minor amounts of light grey-green porphyritic andesite are also present. These rocks often contain 1 to 2 mm feldspar phenocrysts. Bedding has not been observed in either the basalt or the andesite. The base of NFVC is not exposed so exact thickness is not known; however, a cross section through the property by Israel and Cobbett (2007) interprets NFVC to be approximately 600 m thick.

Chitistone Formation limestone (CHLS is equivalent to uTC in regional geology) forms discontinuous lenses that unconformably overlie NFVC. The limestone in the Arn West area is bound by NFVC on the south and west and by clastic sediments (DFSD) on the north and east. Elsewhere in the district, CHLS typically forms lenses up to 1200 m long but usually less than 30 m thick. The CHLS is unusually thick in Arn West, reaching a maximum thickness of about 90 m. The limestone is locally cut by diorite dykes (KRPS). Away from intrusive contacts, the limestone is light to medium grey, slightly recrystallized and generally massive. Near intrusive contacts it is commonly altered forming massive, medium to coarse grained marble.

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FIGURE 6

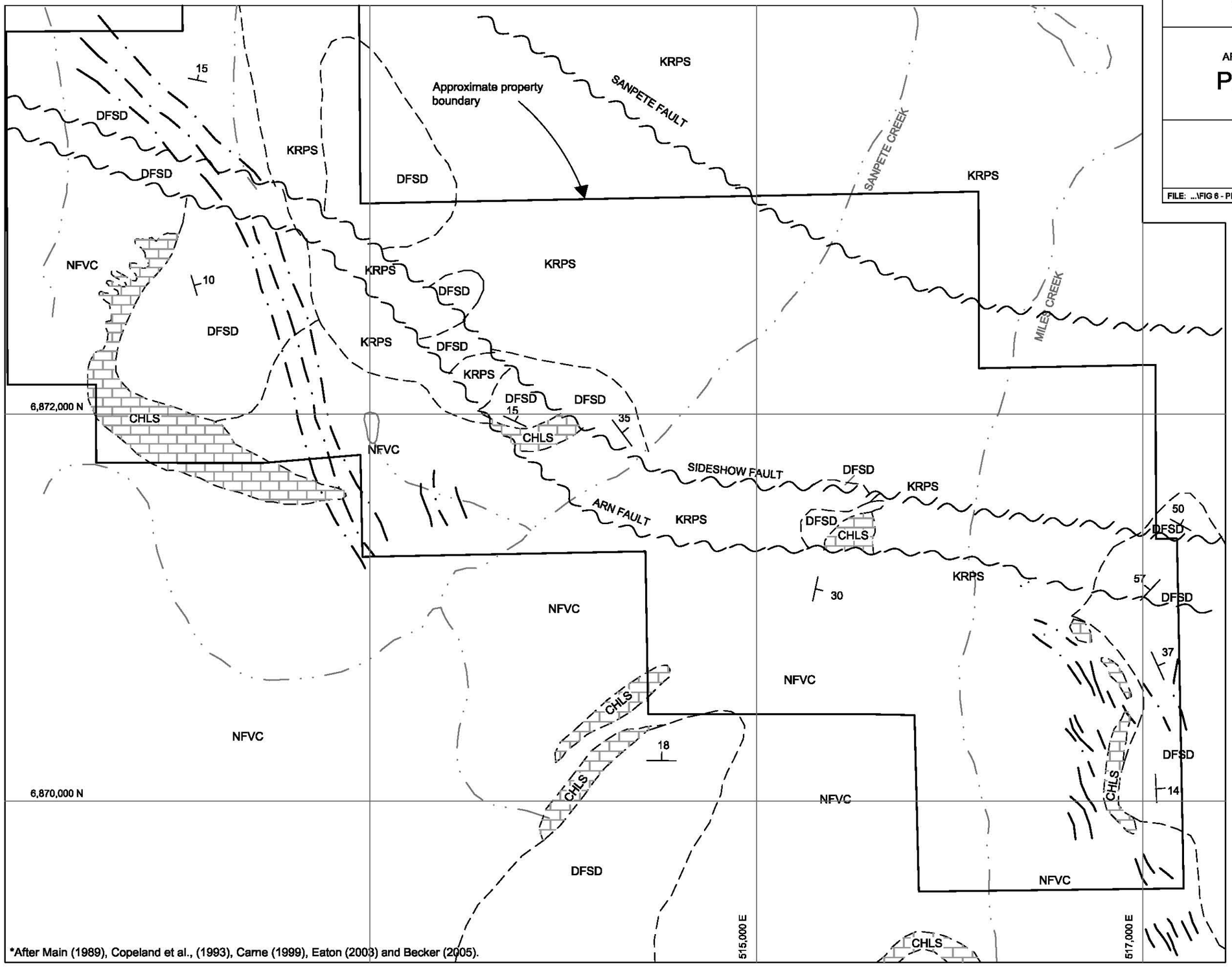
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY
ARN PROPERTY

0 200 400 600 800 1000m

UTM ZONE 7, NAD 83, 115F15

FILE: ...\FIG 6 - PROPERTY GEOLOGY | DATE: DECEMBER 2008



High angle fault

Cretaceous

KRPS Kluane Range Plutonic Suite

Kluane Range Plutonic Suite - dykes

DFSD Dezadeash Formation - clastic sediments

Upper Triassic

CHLS Chitistone Formation - limestone

NFVC Nikolai Formation - basalt

True North

0°13'

22°41'

Grid North

Magnetic North

Annual Change Decreasing 38'

*After Main (1989), Copeland et al., (1993), Carne (1999), Eaton (2003) and Becker (2005).

Orange soil in saddle with quartz carbonate vein float

Float: garnet skarn with bands of tremolite, and fine disseminated pyrite

Mafic dyke with proportional hornfels alteration envelopes (1.5 m width)

Abundant hornfelsing, minor pyrite mineralization

Limestone with epidote skarn swirls

Chlorite, garnet and calcite skarn with trace pyrite and weak malachite

Near vertical skarn cliff, float below sampled

Limestone with garnet-epidote skarn

Epidote-garnet skarn within limestone

Limestone with well formed epidote

White & black marble/limestone

Magnetite + pyrhotite skarn, 2 X 5 m

Recessive felsenmeer, with epidote+, magnetite+tremolite+garnet skarn with chalcopytie, pyrhotite, pyrite and malachite

Saddle

Mafic dyke, 1 m width

Saddle with quartz/carbonate vein float and orange rusty soil

Clastic sediment felsenmeer

Recessive gougy area next to dyke

145/60 Distinct orthogonal fracture set within clastic sediments

340/36 Skarn contact: cubic pyrite, disseminated and laminar pyrrhotite

Hornfelsing at contact

Hornfelsing at contact

Bleached white marble

5 X 5 m magnetite skarn

Tremolite+garnet+magnetite (with cubic pyrite) skarn

Garnet skarn with rare quartz and magnetite

Fine grained mafic dyke

Abundant hornfels

Continuous dyke 320/18, very fine grained, mafic

Garnet skarn 12mX6m with rusty pyrrhotite, chalcopyrite, magnetite and shiny metallic sulphides; some tremolite + epidote skarn

Garnet skarn with increasing epidote to the west

Porphyry dyke

Porphyry dyke

Massive garnet skarn

Garnet skarn

Semi-mineralized pyrrhotite, magnetite skarn with malachite and chalcopyrite

Skarn felsenmeer with chalcopyrite and malachite, 3 X 1 m

Diorite float

Clastic sediments

Skarn with chalcopyrite, malachite and magnetite within limestone, 2 X 3 m

Garnet-epidote skarn

Garnet skarn

Magnetite skarn with chalcopyrite and magnetite

Garnet-epidote skarn

Limestone marbled with garnet skarn

Skarn (5.5 m)

Boxwork limonite cement, residual magnetite (1.5 m)

Limestone with garnet skarn swirls

Epidote+chlorite+garnet+tremolite skarn with malachite (2 m)

Continuous magnetite skarn with trace pyrite and rare garnet

12 m thick

Skarn (5.5 m)

JKD

uTC

JKD

uTNv

uTrC

uTNv

uTNv

uTNv

SK

45

60

46

60

SK

SK

SK

60

10

60

60

38

60

15

80

20

50

35

SK

30

20

12

80

SK

SK

SK

12

12

10

18

34

SK

SK

SK

SK

SK

SK

SK

SK

SK

SK

SK

SK

Observed geological contact

Inferred geological unit boundary

Outcrop boundary

Linear feature

86 Bedding strike and dip

SK Skarn

Claim boundary

KRPS Kluane Range Plutonic Suite intrusive

Intermediate dyke

Mafic dyke

JKD Dezadeash Formation clastic sediments

uTC Chitistone Formation limestone

uTNv Nicolai Formation basalt

NORTH

NAD 83
NTS 115 F/15 Zone 7

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FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARN WEST DETAILED GEOLOGY
ARN PROPERTY

0 100 200 300 400m

DRAWN / REVISED BY: M. Kammerer	PROJECT: ARN
FILE:2008/ARN/FIGURES/Arn-F_PROPERTY GEOLOGY.dwg	DATE: DECEMBER 2008

Dezadeash Formation rocks (DFSD is equivalent to JKD in regional geology) consist mainly of thin bedded, siliceous mudstone to siltstone alternating with fine sandstone. Colour varies widely between adjacent beds in shades of white, cream, black and pale to dark green. Graded bedding is common and indicates the sequence is upright. Bedding measurements strike between 090º and 150º and dip 12º to 34º NE in the most parts of Arn West but beds in the north part steepen to 60º.

Kluane Range Pluton Suite rocks (KRPS is equivalent to Kd in regional geology) include swarms of andesitic dykes, rarer felsite dykes and an apparently younger diorite package comprising a stock and numerous dykes. Most of the dykes trend 120º to 160º and dip steeply to the southwest. Age relations are usually uncertain because dykes of similar mineralogy and texture appear to crosscut each other. However, in a few places andesite dykes truncate against diorite intrusions.

KRPS andesites are subdivided into three facies. The most distinctive and abundant of which is plagioclase-hornblende porphyry dykes (KRA1) containing up to 20% phenocrysts averaging 0.5 to 1.2 cm long. In some dykes, hornblende forms distinctive radiating twins of interlocking crystals. Where KRPS rocks contain fewer (3 to 5%) and smaller (<2 mm long) plagioclase phenocrysts. They are considered to be a different facies (KRA2). With decreasing phenocryst size and abundance, this unit grades into slightly porphyritic to non-porphyritic andesite exhibiting a predominantly medium to dark green groundmass (KRA3).

Structure on the Arn property is dominated by the west-northwest striking, steeply dipping Arn, Sideshow and Sanpete faults, which all are located northeast of the Arn West area. These faults strike generally parallel to the DF. All three of them have been traced across the length of the property. They sometimes juxtopose differing lithologies but the magnitude and direction of displacement cannot be determined from the available data.

ALTERATION

Alteration on the property has most recently been described in detail by Wengzynowski (2008). Skarn and hornfels alteration is developed in sedimentary and volcanic rocks and is thought to be associated with KRPS intrusions. The shape of skarn zones is variable but most are tabular to sheet-like horizons ranging from less than a metre to a few tens of metres thick. They also occur as irregular lenses, on selvages of veins and possibly as vertical bodies alongside permeable structures. The most favourable locations for development of skarn mineralization are intersections between dykes and chemically reactive horizons, particularly CHLS. Alteration observed within Arn West is described in Table III.

Table III - Alteration Types within Arn West*

SKARN TYPE	MINERALIZATION	DESCRIPTION
Garnet	Minor pyrite and pyrrhotite	60-90% garnet with pale pink-brown euhedral crystals. Interstitial calcite, epidote and lesser magnetite, clinopyroxenite, hornblende, actinolite, tremolite and quartz.
Mixed	Chalcopyrite and gold	>50% skarn minerals with no particular one dominating. Varying amounts of garnet, mafic minerals and sulphides with interstitial calcite, quartz and epidote.
Magnetite	Pyrite and chalcopyrite	70% magnetite with pyrite and chalcopyrite.
Epidote	Unknown	Abundant recrystallized, medium to coarse grained accessory calcite and locally abundant quartz and actinolite. This late alteration overprints all rocks.
Pyrrhotite	Pyrrhotite and chalcopyrite	80% pyrrhotite with intergrown magnetite and actinolite. Minor garnet, epidote and chalcopyrite. Weathers easily to limonite.

* after Wengzynowski (2008).

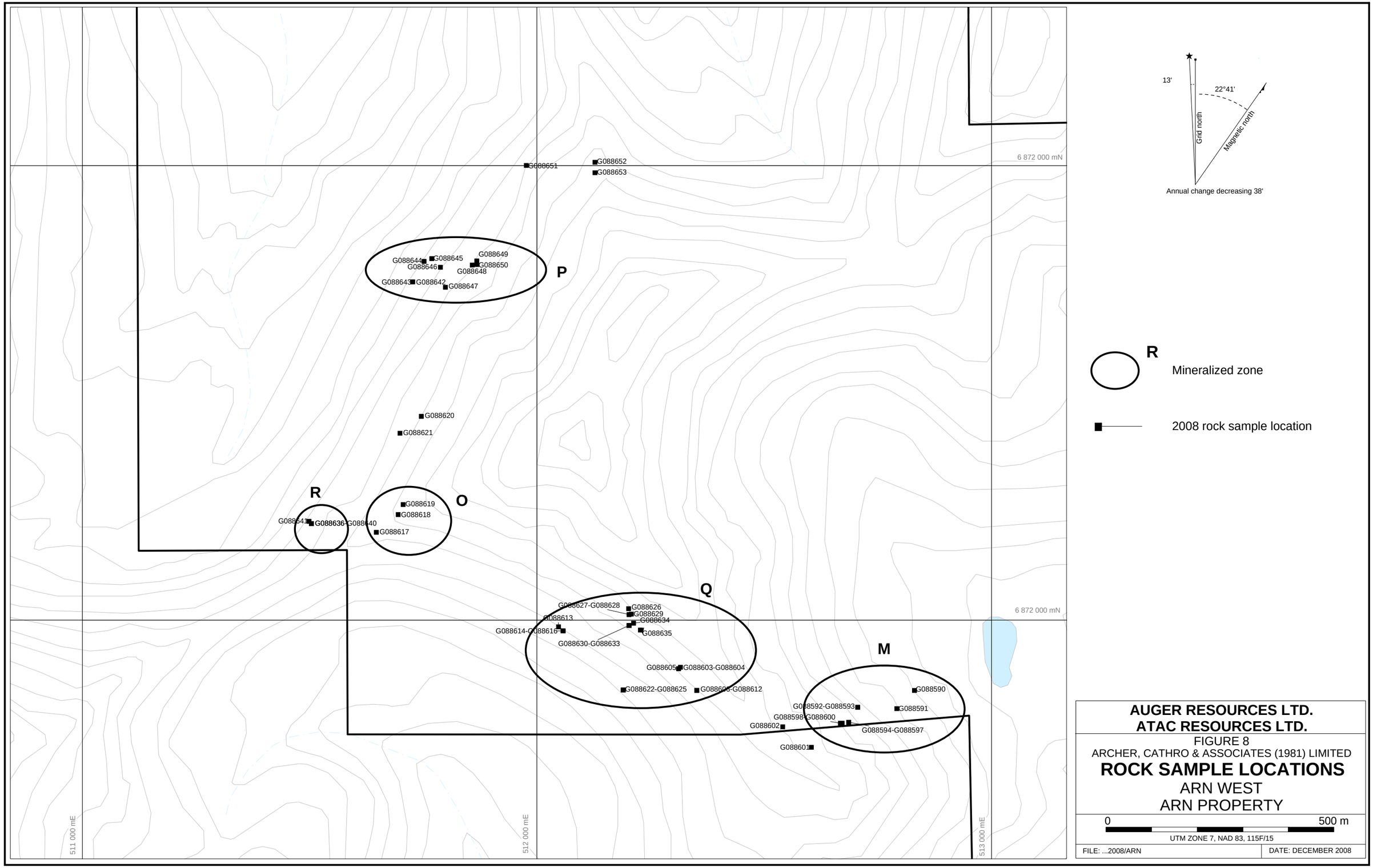
MINERALIZATION

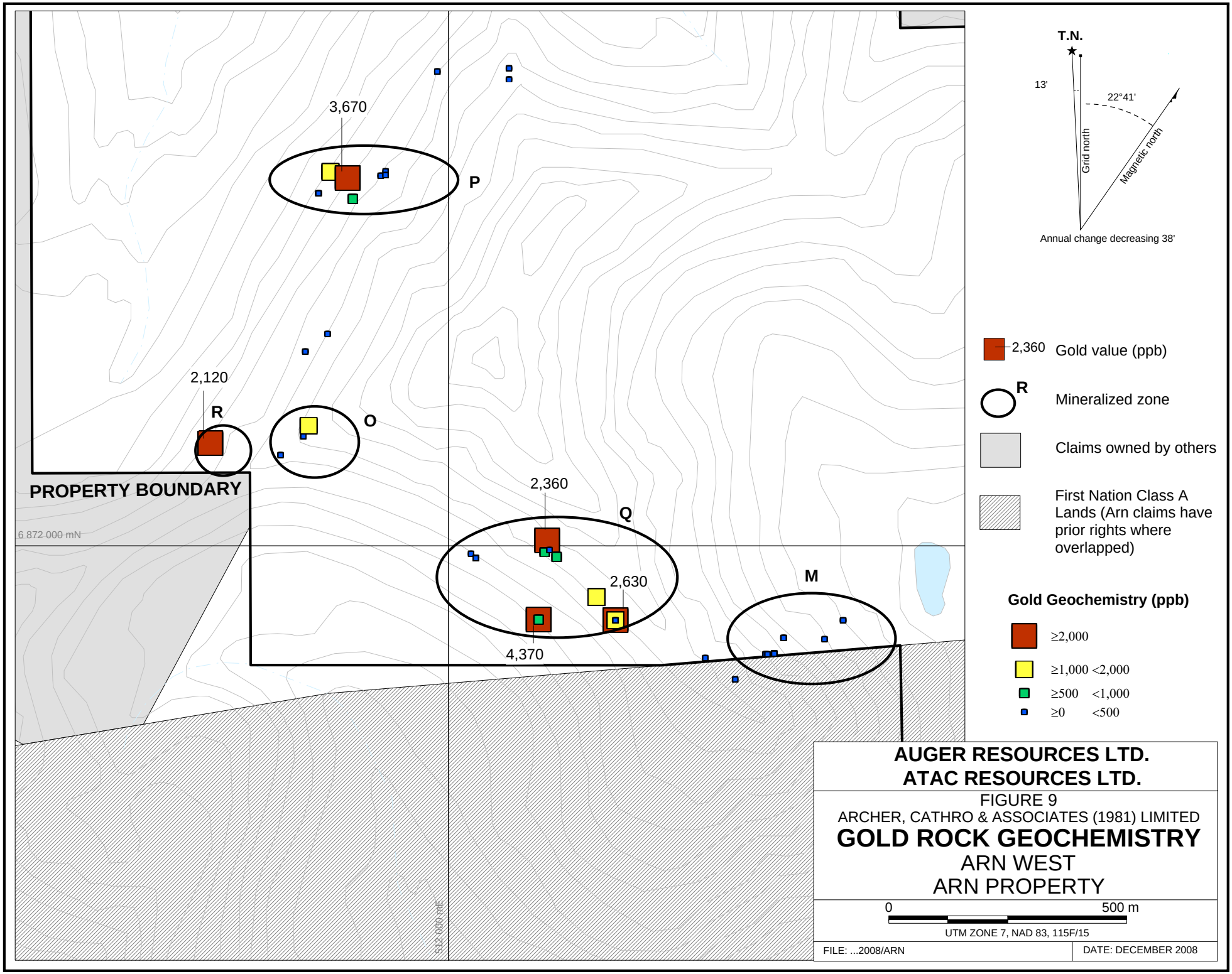
Arn West encompasses several mineralized zones, four of which (M, O, Q and P) received work in 2008. One new zone (R) was discovered during 2008. Background data for the known zones was taken from Wengzynowski (2008). This information is compiled below, along with observations and sample results from 2008 work. Sample handling and analytical procedures used in 2008 are described in Appendix III while Certificates of Analysis can be found in Appendix IV. Figure 8 shows 2008 rock sample locations while Figures 9 and 10 illustrate thematic data for gold and copper respectively. Anomalous thresholds used to describe rock values are listed in Table IV.

Table IV - Anomalous Rock Sample Thresholds

ELEMENT	WEAK	MODERATE	STRONG
Gold	≥0.2 <0.5 g/t	≥0.5 < 1.0 g/t	≥1.0 < 4.4 g/t
Copper	≥0.05 < 0.10%	≥0.10 <0.50%	≥0.50 < 7.4%

Zone M is partially exposed on cliff walls on the northeast side of the main ridge in Arn West. This skarn zone is developed in NFVC alongside one of four, 1 to 10 m wide KRPS dykes. These dykes strike south-southeasterly and dip steeply to the west. This zone is characterized by garnet skarn with varying amounts of pyrrhotite, chalcopyrite, pyrite and magnetite. Samples taken in previous years ranged from 1.26 to 7.73 g/t gold with moderate copper values up to 0.31%. In 2008, samples collected in the vicinity of Zone M returned weak gold values and moderate to strong copper values up to 0.55%. Zone M itself was not revisited.


6 872 000 mN
G088651
G088652
G088653
G088644
G088645
G088649
G088646
G088650
G088648
G088643
G088642
G088647
P
G088620
G088621
R
G088619
O
G088618
G088641
G088636
G088640
G088617
Q
G088627-G088628
G088626
G088629
G088613
G088634
G088614-G088616
G088635
G088630-G088633
M
G088605
G088603-G088604
G088622-G088625
G088606-G088612
G088590
G088592-G088593
G088591
G088598-G088600
G088602
G088594-G088597
G088601
511 000 mE
512 000 mE
513 000 mE
13'
22°41'
Grid north
Magnetic north
Annual change decreasing 38'
R
Mineralized zone
2008 rock sample location
AUGER RESOURCES LTD.
ATAC RESOURCES LTD.
FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ROCK SAMPLE LOCATIONS
ARN WEST
ARN PROPERTY
0
500 m
UTM ZONE 7, NAD 83, 115F/15
FILE: ...2008/ARN
DATE: DECEMBER 2008



AUGER RESOURCES LTD.
ATAC RESOURCES LTD.

FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

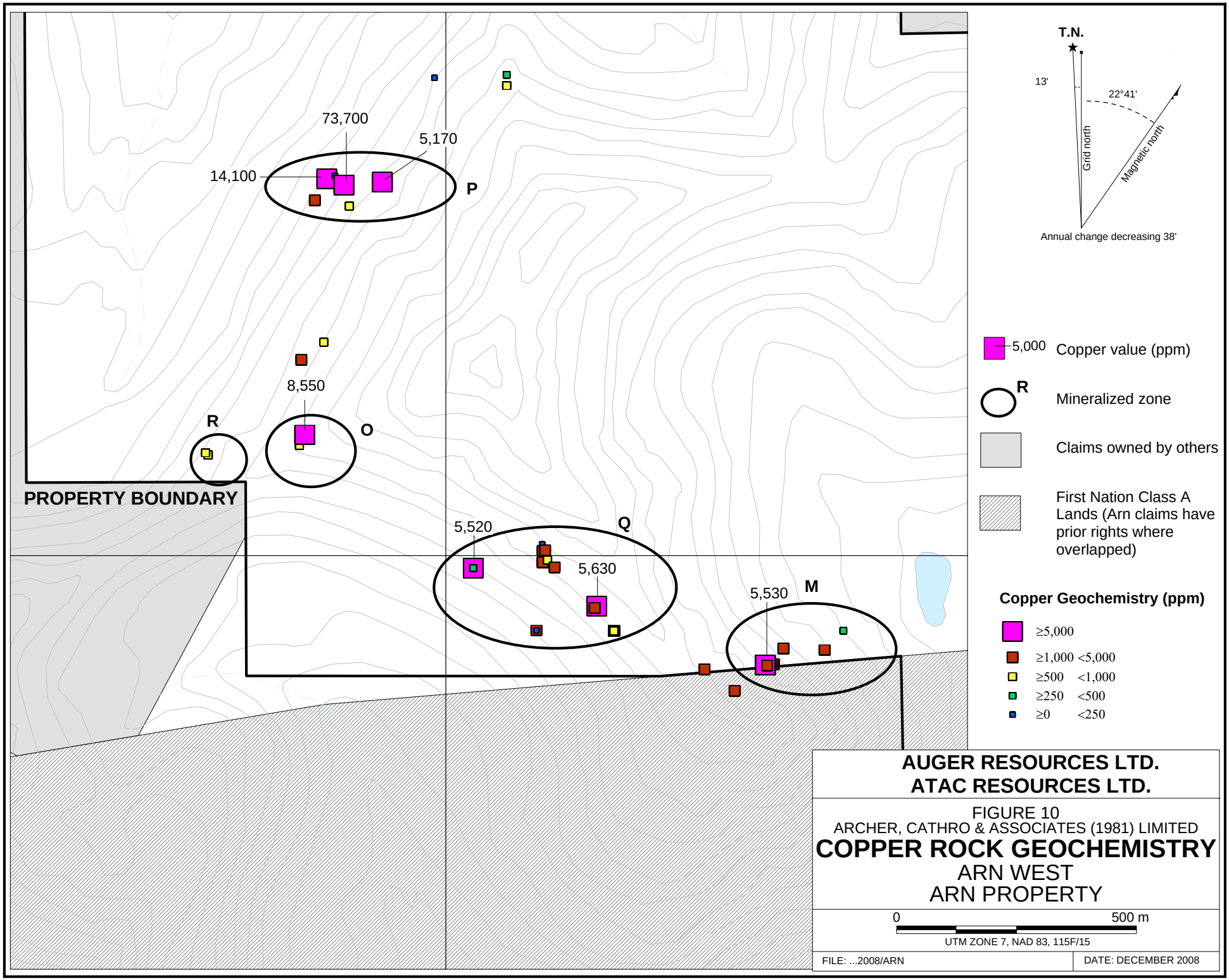
GOLD ROCK GEOCHEMISTRY

ARN WEST
ARN PROPERTY

0 500 m

UTM ZONE 7, NAD 83, 115F/15

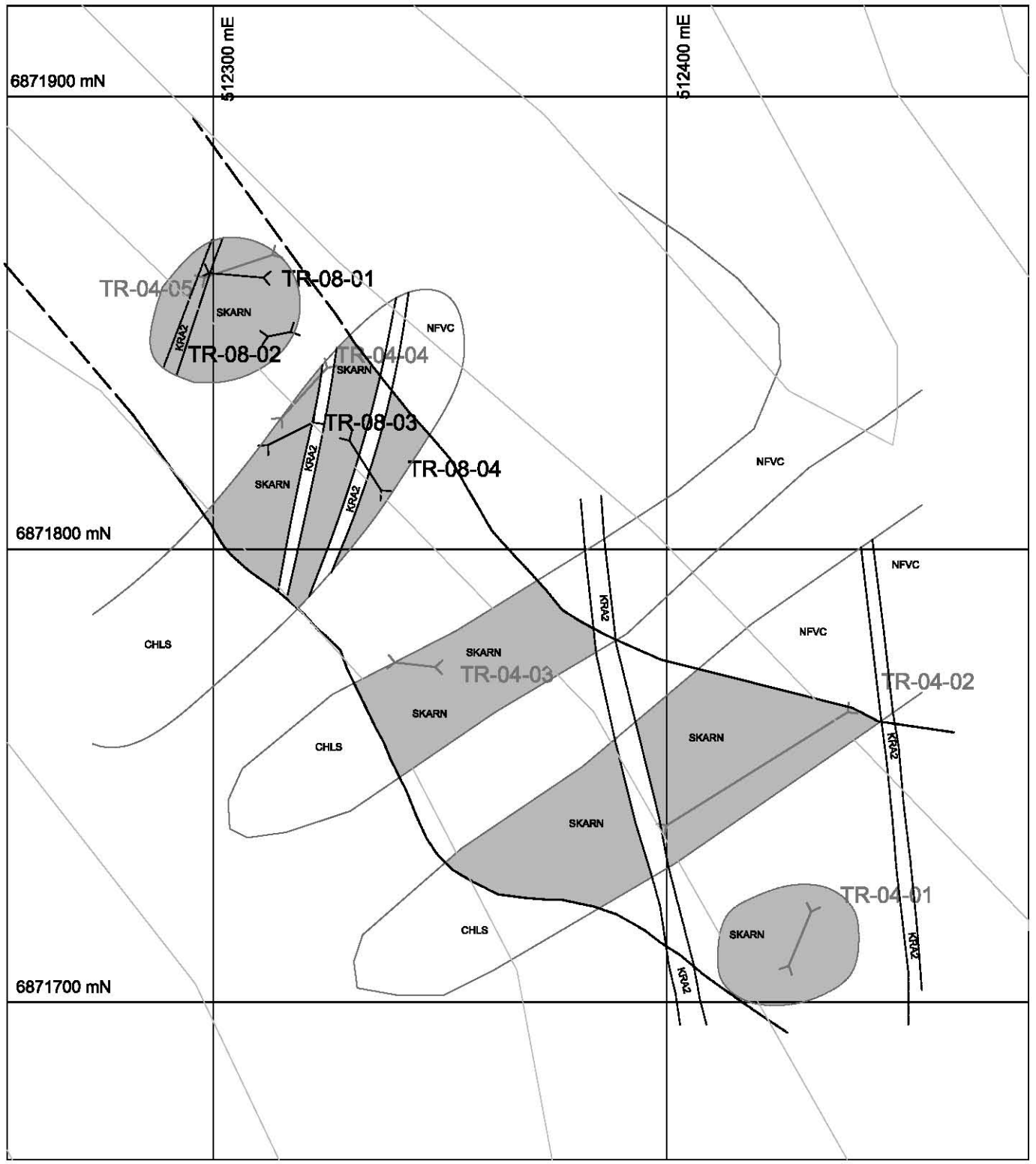
FILE: ...2008/ARN | DATE: DECEMBER 2008


T.N.
13'
22°41'
Grid north
Magnetic north
Annual change decreasing 38'
73,700
5,170
14,100
P
8,550
R
O
PROPERTY BOUNDARY
5,520
Q
5,630
5,530
M
5,000 Copper value (ppm)
R Mineralized zone
Claims owned by others
First Nation Class A Lands (Arn claims have prior rights where overlapped)
Copper Geochemistry (ppm)
≥5,000
≥1,000 <5,000
≥500 <1,000
≥250 <500
≥0 <250
AUGER RESOURCES LTD.
ATAC RESOURCES LTD.
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER ROCK GEOCHEMISTRY
ARN WEST
ARN PROPERTY
0
500 m
UTM ZONE 7, NAD 83, 115F/15
FILE: ...2008/ARN
DATE: DECEMBER 2008

Zone O lies about one kilometre west of Zone M, near the crest of a ridge that separates two cirques. Several KRPS dykes cut through CHLS creating garnet- and or magnetite-rich skarns. Mineralization is confined to the skarns and consists of cubic pyrite with disseminated chalcopyrite and rare blebby pyrrhotite. Previous sampling returned values up to 0.504 g/t gold with 0.42% copper. Two chip samples and one float specimen were collected from this zone in 2008. One chip sample was taken across a one metre thick band of marble with moderately to heavily, disseminated, millimetre blebs of chalcopyrite and weak malachite. It assayed 1.44 g/t gold and 0.86% copper. The other chip sample was 60 cm long and was composed of weakly epidote altered mixed skarn with chalcopyrite, pyrrhotite and magnetite. It returned weak values for gold and copper. The float sample comprised both CHLS and KRPS components with abundant disseminated chalcopyrite and malachite. This sample yielded 0.07 g/t gold and 14% copper.

Zone P is located 600 m north of Zone O. Several narrow andesite dykes cut through a thick section of CHLS forming prominent garnet and epidote skarn zones with actinolite-calcite-chlorite lenses. The skarn zones contain locally abundant chalcopyrite, minor pyrite and magnetite, and rare pyrrhotite. Most skarns in this zone are 1 to 2 m thick but some range up to 10 m thick, with thickness directly proportional to the size of associated dykes. Samples collected during earlier programs returned 0.252 g/t gold and 0.22% copper. Nine samples were taken from Zone P in 2008, three of which yielded moderately to strongly anomalous gold and copper values. One float specimen of calcite-magnetite-epidote skarn with abundant chalcopyrite and cubic pyrite assayed 3.67 g/t gold and 7.37% copper. Another float sample composed of magnetite-calcite-epidote skarn with cubic pyrite, blebby chalcopyrite, malachite and minor earthy hematite assayed 1.21 g/t gold and 1.41% copper. A three metre chip sample of mixed skarn with six centimetre thick lenses of massive pyrite yielded 0.54 g/t gold and 0.06% copper. The other six samples taken in 2008 from this zone returned weak gold and weak to moderate copper values.

Zone Q is located on the south side of a main southeast trending ridge, which bisects Arn West. It consists of a 400 m long by 20 to 60 m wide skarn zone developed along the contact between a large body of CHLS and NFVC, both of which are cut by a number of KRPS porphyry dykes. The main skarn is an epidote over-printed garnet assemblage with minor calcite, magnetite, pyrite, pyrrhotite and chalcopyrite. A secondary skarn assemblage of magnetite with minor chalcopyrite and malachite is locally dominant. Garnet-epidote skarn exposures are often strongly weathered to boxwork limonite while magnetite skarn lenses generally form bulbous, resistant knolls with strong brown-orange weathering surfaces. Some marble and silicified rocks were also noted in this zone. A total of 20 chip samples were collected in 2008 on four lines across exposures along the skarn trend. Figure 11 shows 2004 and 2008 sample sites. Table V lists weight average grades across the best mineralized intervals.



* See text for unit descriptions.

TR-04-04 2004 Hand trench

TR-08-01 2008 Hand trench

Skarn outcrop

Extent of sulphide skarn, known and inferred

Lithological contact, known and inferred

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ATAC RESOURCES LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZONE Q COMPILATION

ARN PROPERTY

0 20 m 50 m 100 m

UTM ZONE 7, NAD 83, 115F15

FILE: ...2009\ARN\am\F_11-REGIONAL.DWG | DATE: DECEMBER 2008

Table V – Significant Trench Results from Zone Q

Trench #	Interval (m)	Gold (g/t)	Copper (%)
TR04-01	12.0	0.34	0.23
TR04-02	28.0	1.20	0.08
including	8.0	3.03	0.19
TR04-04	13.5	0.96	0.11
TR-04-05	15.5	1.62	0.11
TR-08-01	12.0	1.39	0.07
including	3.0	4.37	0.20
TR-08-02	10.5	0.93	0.11
TR-08-03	6.0	0.50	0.19
TR-08-04	5.5	0.86	0.29

Zone R is a new skarn horizon that was discovered 200 m southwest of Zone O. This zone is exposed over a 40 by 22 m area and consists of CHLS to the east and a 3.5 m wide KRPS dyke to the west. Skarn mineralogy is dominantly magnetite with minor epidote and garnet. All surfaces are coated with a bright yellow limonite stain. Mineralization consists of minor pyrrhotite, pyrite and chalcopyrite, occurring as fine disseminations and hairline fracture fillings. Six chip samples were collected across this zone, five of which form a continuous string. The contiguous samples returned only weakly anomalous gold and copper values, but the sixth sample, collected slightly to the west, assayed 2.12 g/t gold and 0.86% copper over 3.5 m.

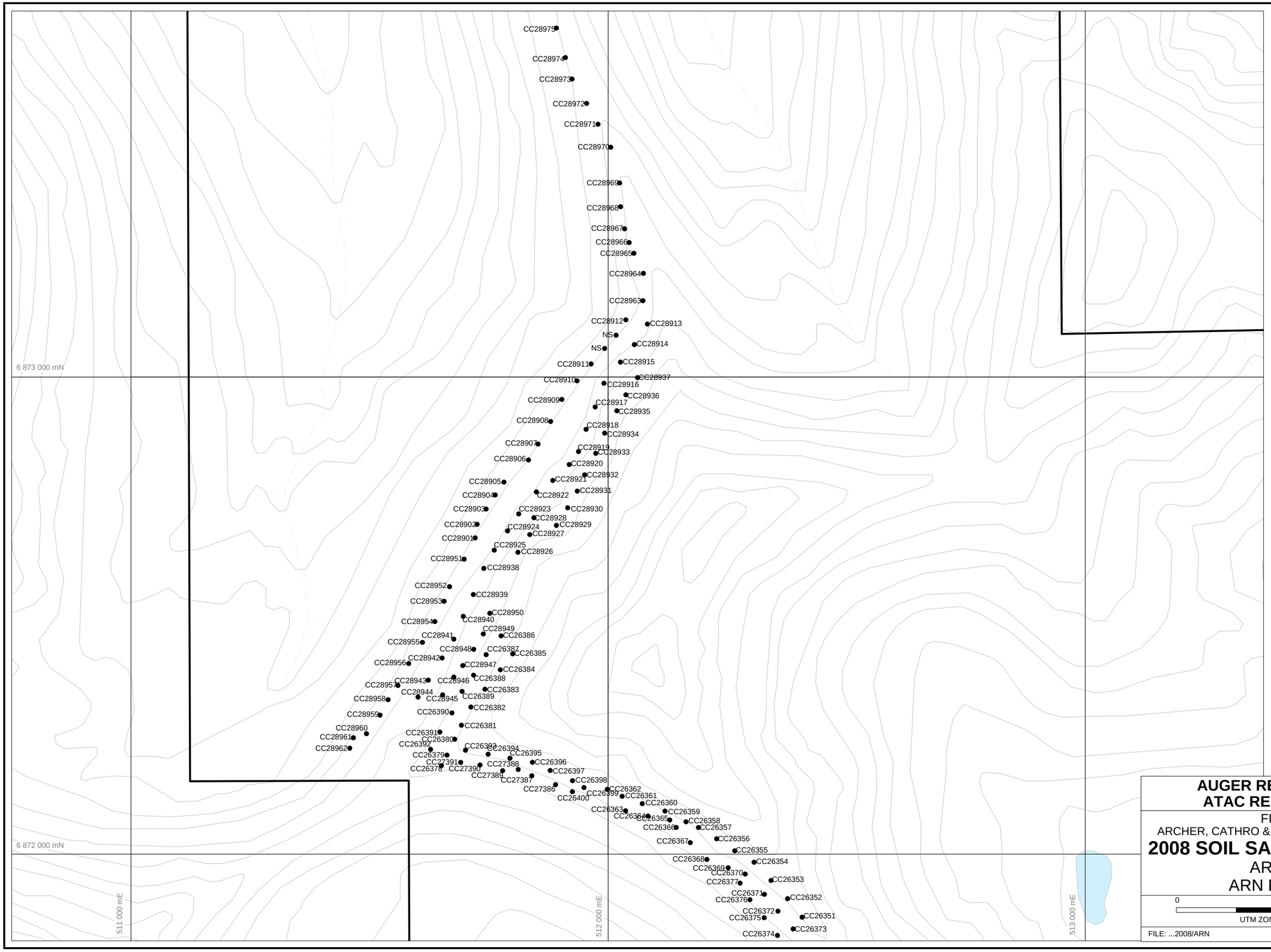
SOIL GEOCHEMISTRY

A total of 131 contour soil samples were collected during Phase II of the 2008 program. All samples were taken at 50 m intervals. At Zone Q the samples were collected on three lines spaced about 50 m apart. The other samples were taken along a single line. Spacing between samples was controlled by hip chain measurements while elevation was maintained using a handheld GPS unit. Sample handling and analytical procedures are described in Appendix III while Certificates of Analysis are shown in Appendix IV. Figure 12 illustrates locations of the 2008 soil samples. Figures 13 and 14 are thematic maps that respectively show gold and copper results from 2008 together with data from earlier programs. Anomalous thresholds used to describe soil values are listed in Table VI.

Table VI - Anomalous Soil Sample Thresholds

ELEMENT	WEAK	MODERATE	STRONG	PEAK
Gold	≥100 <200 (ppb)	≥200 <500 (ppb)	≥500 (ppb)	7,450 (ppb)
Copper	≥250 <500 (ppm)	≥500 <1,000 (ppm)	≥1,000 (ppm)	27,600 (ppm)

In 2008, 41 soil samples were taken from an 800 m long area in the vicinity of Zone Q. The eastern end of this sampling identified a 400 m long area of moderately to strongly anomalous



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ATAC RESOURCES LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2008 SOIL SAMPLE LOCATIONS

ARN WEST

ARN PROPERTY

0 — 500 m

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN | DATE: DECEMBER 2008

PROPERTY BOUNDARY

611
774
7450
532
1,635
718
923
1,455
5,010
1,230
1,130
1,495
909
866
1,070
536
1,310
1,160

6 874 000 mN
6 872 000 mN
6 870 000 mN
512 000 mE
514 000 mE
516 000 mE

T.N.
13'
22°41'
Grid north
Magnetic north
Annual change decreasing 38'

Claims owned by others

First Nation Class A Lands
(Arn claims have prior rights where overlapped)

Gold Geochemistry (ppb)

≥500
≥200 <500
≥100 <200
≥50 <100
≥20 <50
≥10 <20
≥0 <10

AUGER RESOURCES LTD.
ATAC RESOURCES LTD.

FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY

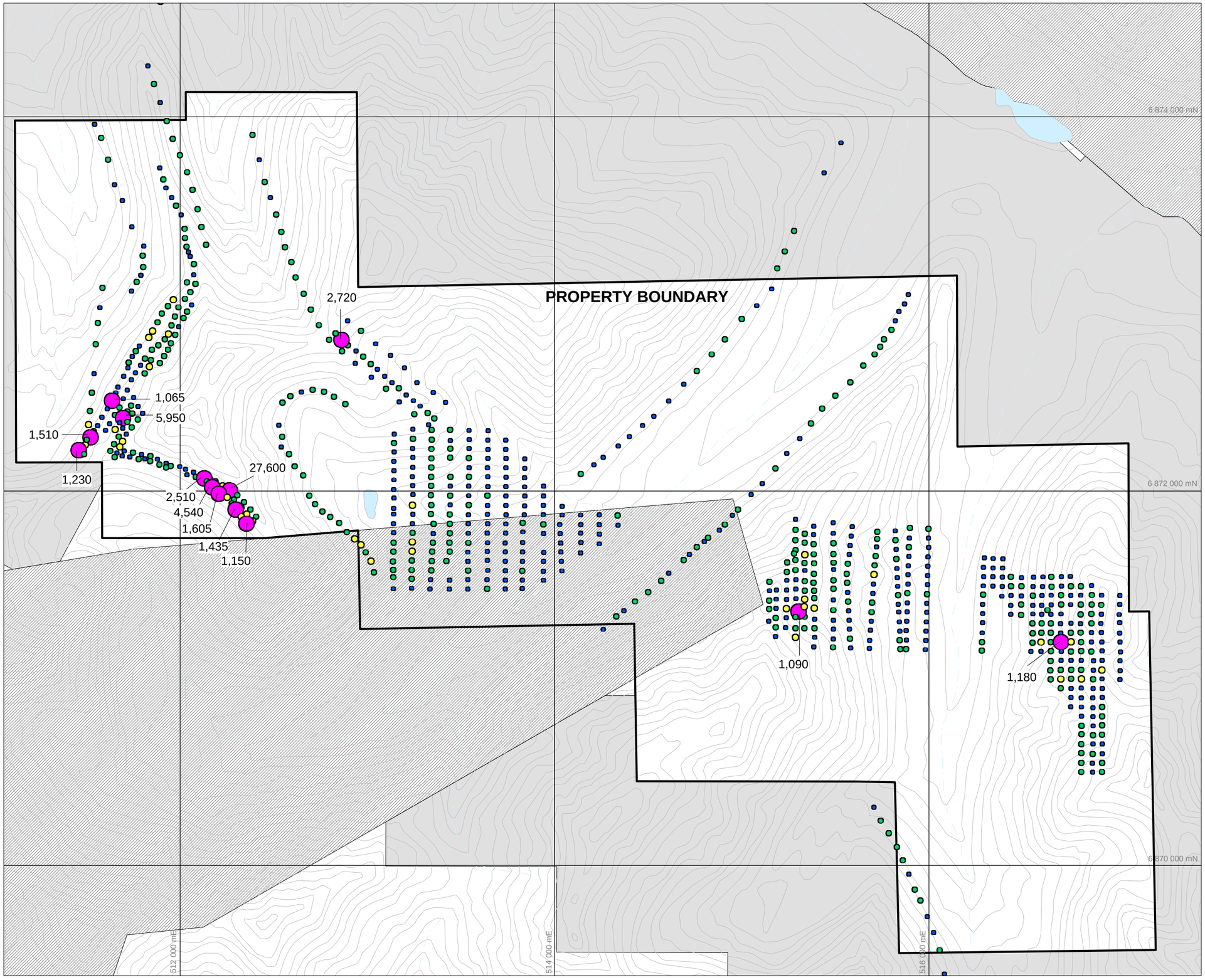
ARN PROPERTY

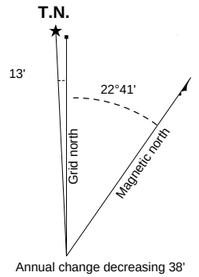
0 0.5 1 km

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN

DATE:DECEMBER 2008





Claims owned by others

First Nation Class A Lands
(Arn claims have prior rights where overlapped)

Copper Geochemistry (ppm)

- ≥1,000
- ≥500 <1,000
- ≥250 <500
- ≥0 <250

AUGER RESOURCES LTD.
ATAC RESOURCES LTD.

FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER SOIL GEOCHEMISTRY
ARN PROPERTY

0 0.5 1 km
UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN | DATE: DECEMBER 2008

gold and copper values. Eight soil samples in this area returned between 866 and 5,010 ppb gold while six of them yielded copper values between 1,435 and 27,600 ppm.

The other 90 soil samples were collected on a line extending from Zone R, through Zones O and P and to a point 750 m north-northwest of Zone P.

Only two of the soil samples taken in Zone R returned anomalous gold values (532 and 635 ppb). One of those samples and another nearby sample yielded anomalous copper values (1,230 and 1,510 ppm).

The highest gold-in-soil value from 2008 sampling (7,450 ppb) was taken from within Zone O. Two other samples returned moderately to strongly anomalous gold values of 347 and 718 ppb with strongly anomalous copper values of 1,065 and 5,950 ppm, respectively.

Geochemical signature surrounding Zone P is subdued for copper but is slightly elevated for gold. Only one soil sample from this zone returned strongly anomalous gold (774 ppb). Five hundred metres north-northwest of this zone a single sample produced a point anomaly of 611 ppb gold.

No soil samples were collected in the vicinity of Zone M during the 2008 program.

Table VII lists correlation coefficients for soil samples collected in 2003 from the central and east part of the claim block. Correlation coefficients for 2008 sampling performed in Arn West are shown in Table VIII.

Table VII – Correlation Coefficients for 2003 Soil Sampling

	Ag	As	Au	Bi	Cu	Fe	Mo	Pb	Sb	Zn
Ag		0.22	0.38	0.40	0.45	0.43	0.19	0.56	0.43	0.17
As	0.22		0.04	0.13	0.19	0.15	0.03	0.25	0.52	0.29
Au	0.38	0.04		0.27	0.20	0.15	0.11	0.15	-0.06	0.05
Bi	0.40	0.13	0.27		0.22	0.02	-0.01	0.27	-0.15	0.01
Cu	0.45	0.19	0.20	0.22		0.55	0.32	0.24	0.18	0.21
Fe	0.43	0.15	0.15	0.02	0.55		0.37	0.28	0.06	0.45
Mo	0.19	0.03	0.11	-0.01	0.32	0.37		0.09	-0.15	0.02
Pb	0.56	0.25	0.15	0.27	0.24	0.28	0.09		0.31	0.26
Sb	0.43	0.52	-0.06	-0.15	0.18	0.06	-0.15	0.31		0.01
Zn	0.17	0.29	0.05	0.01	0.21	0.45	0.02	0.26	0.01	
Count*	386	641	608	130	655	652	373	626	134	655

Table VIII – Correlation Coefficients for 2008 Soil Sampling

	Ag	As	Au	Bi	Cu	Fe	Mo	Pb	Sb	Zn
Ag		0.01	0.80	0.62	0.73	0.54	0.23	0.44	-0.05	0.07
As	0.01		-0.01	-0.04	-0.01	0.01	0.01	-0.07	0.85	0.00
Au	0.80	-0.01		0.43	0.82	0.65	0.21	0.28	-0.04	0.05
Bi	0.62	-0.04	0.43		0.35	0.36	0.16	0.60	-0.18	0.01
Cu	0.73	-0.01	0.82	0.35		0.78	0.39	0.35	-0.04	0.04
Fe	0.54	0.01	0.65	0.36	0.78		0.38	0.32	-0.01	0.02
Mo	0.23	0.01	0.21	0.16	0.39	0.38		0.39	-0.01	0.02
Pb	0.44	-0.07	0.28	0.60	0.35	0.32	0.39		-0.15	0.08
Sb	-0.05	0.85	-0.04	-0.18	-0.04	-0.01	-0.01	-0.15		0.05
Zn	0.07	0.00	0.05	0.01	0.04	0.02	0.02	0.08	0.05	
Count*	96	131	131	59	130	131	120	126	76	131

Strong positive coefficient of correlation (≥ 0.50)
Moderate positive coefficient of correlation (≥ 0.35 < 0.50)
Weak positive coefficient of correlation (≥ 0.20 <0.35)

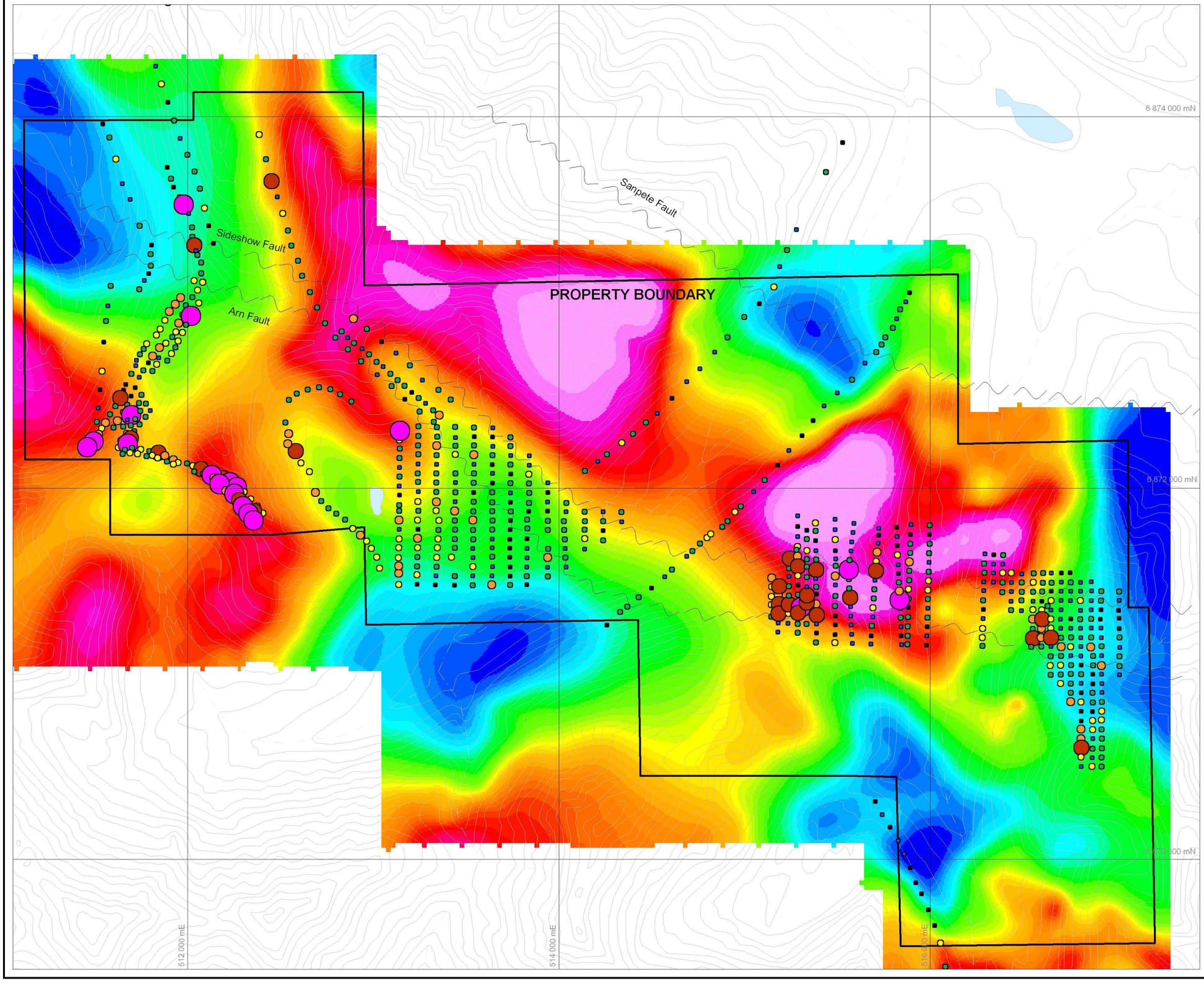
* The count and coefficient of correlation do not include any values less than detection limit or exceeding upper detection limit.

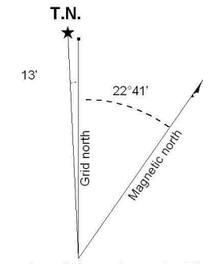
AIRBORNE GEOPHYSICS

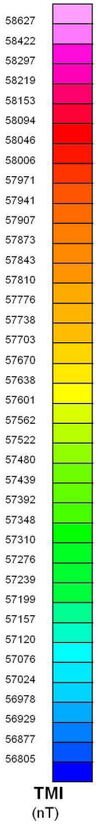
Geotech Ltd. of Aurora, Ontario conducted helicopter-borne VTEM and magnetic surveys on June 22, 2008 using an Astar B3 helicopter operated by TRK Helicopters. A total of 221 line-km were acquired during this survey. Traverse lines were flown at 000º and are spaced 100 m apart. Tie lines were flown perpendicular to traverse lines and are spaced 950 m apart. Where possible, the helicopter maintained a mean terrain clearance of 85 m, which translated into a 36 m average height for the bird-mounted VTEM system and a 59 m clearance for the magnetic sensor. Appendix V contains Geotech's report along with a CD containing the digital data.

The geophysical data have not yet been fully interpreted; however, preliminary observations have been made from the raw data. The VTEM survey does not appear to indicate any strong conductors. Magnetic data exhibits high contrast. The magnetite-bearing KRPS diorite stock that underlies in the northeastern part of the property shows up as a magnetic high, which is truncated abruptly along the Arn and Sideshow faults. The fault zones appear to be partially demagnetized. Figures 15 and 16 compile gold and copper soil geochemical data with magnetic geophysical data.

There are two secondary magnetic highs in the Arn West area. Both of these anomalies are in areas where magnetite- or pyrrhotite- bearing skarn are known to occur. One of them coincides with the 400 m long string of strongly anomalous gold- and copper-in-soil values near Zone Q. The other lies along the western property boundary where no sampling has been done.







Gold Geochemistry (ppb)

- ≥500
- ≥200 <500
- ≥100 <200
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥0 <10

AUGER RESOURCES LTD.
ATAC RESOURCES LTD.

FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

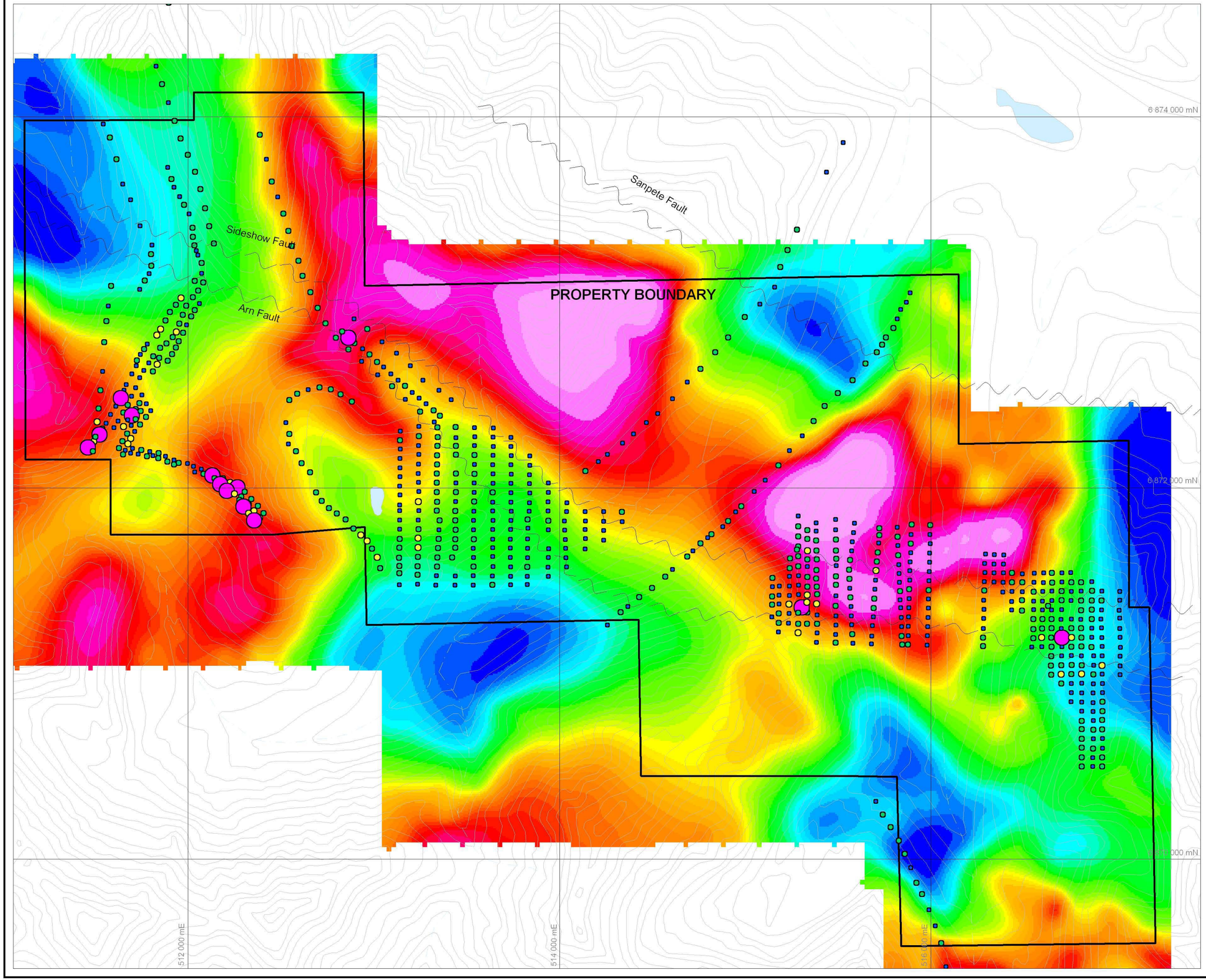
GEOPHYSICAL AND GOLD GEOCHEMICAL COMPILATION

ARN PROPERTY

0 0.5 1 km

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN | DATE:DECEMBER 2008



T.N.

13'

22°41'

Grid north

Magnetic north

Annual change decreasing 38'

TMI (nT)
58627
58422
58297
58219
58153
58094
58046
58006
57971
57941
57907
57873
57843
57810
57776
57738
57703
57670
57638
57601
57562
57522
57480
57439
57392
57348
57310
57276
57239
57199
57157
57120
57076
57024
56978
56929
56877
56805

Copper Geochemistry (ppm)

- ≥1,000
- ≥500 <1,000
- ≥250 <500
- ≥0 <250

AUGER RESOURCES LTD.
ATAC RESOURCES LTD.

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOPHYSICAL AND COPPER GEOCHEMICAL COMPILATION

ARN PROPERTY

0 0.5 1 km

UTM ZONE 7, NAD 83, 115F/15

FILE: ...2008/ARN

DATE: DECEMBER 2008

DISCUSSION AND CONCLUSIONS

The Arn property hosts gold±copper skarn mineralization within CHLS and NFVC rocks that are intruded by intermediate KRPS stocks, dykes and sills. The most advanced prospects are in the eastern part of the claim block. The 2008 program concentrated on the relatively lightly explored western third of the property, where five mineralized zones (M, O, P, Q and R) have been identified. The highest grade gold occurrences in this area usually accompany copper mineralization. However, in rare instances samples return copper grades in excess of 1% with low gold values.

Previous soil sampling programs focussed on the central and east part of the Arn property. The 2008 soil sampling program was conducted wholly in Arn West. This sampling returned some of the highest gold- and copper-in-soil results obtained from the property to date. Results are particularly strong in the vicinity of Zone Q where chip sampling confirmed earlier encouraging results. The area of strongly anomalous soil values is much larger than the area of exposed bedrock suggesting that the mineralized skarn extends below unmineralized talus cover. Correlation coefficients calculated for 2003 and 2008 data show subtle differences. In general, correlation coefficients for samples taken in 2008 in the Arn west area yielded stronger correlations between gold and pathfinder elements including silver, bismuth, copper, iron and lead.

Future work is definitely warranted on the Arn property. This work should include a ground magnetic survey, hand trenching, drill pad construction and diamond drilling. A ground magnetic survey around Zones M, O, P, Q and R could identify buried magnetite-and pyrrhotite-rich skarns. Hand trenching should be done to further delineate skarn mineralization at Zone Q and follow up results of the magnetic survey. Drill pad construction for a future helicopter-supported drill program should be done wherever strong mineralization is exposed.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Heather Smith, B. Sc. Geology, GIT

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2003 Report on Geology, Mineralization, Geochemistry, Geophysics and Diamond Drilling at the Arn Property, Southwestern Yukon Territory; Technical report for ATAC Resources Ltd., p. 28.

2007 Assessment Report describing Geophyscial Surveys at the Arn Property; Assessment report for Nyah Resources Inc.

2008 Technical Report describing Geology, Mineralization, Geochemistry, Geophysics and Diamond Drilling at the Arn Property; Technical report for Auger Resources Ltd, p.44.

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 field work reported herein and have interpreted all data resulting from this work.

Heather Smith, B.Sc. Geology, GIT

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Project: ARN Property: ARN

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088590	UTM:	512940	E	UTM:	6871680	N	Type: CHIP	
	Elevation:		m				Sample Width: 0.75M	Abundance:

Comments: across Epi-Chl-w mag sk with diss py and po mzn adj to ppy dike

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088591	UTM:	512901	E	UTM:	6871640	N	Type: CHIP	
	Elevation:		m				Sample Width: 1.15 M	Abundance:

Comments: NAD 83, EP-MAG DYKE WITH MOD FINE DISS PY AND TPO 10-20 METER POCKETS OF BXWK LIM

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088592	UTM:	512815	E	UTM:	6871643	N	Type: CHIP	
	Elevation:		m				Sample Width: 75 CM	Abundance:

Comments: NAD 83, FERROCRETE WITH SK CLASTS. W TO T CP AND PY

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088593	UTM:	512815	E	UTM:	6871643	N	Type: CHIP	
	Elevation:		m				Sample Width: 75 CM	Abundance:

Comments: NAD 83, EP-CH-SK WITH MAL AND AZUR AND DISS CP

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088594	UTM:	512795	E	UTM:	6871610	N	Type: CHIP	
	Elevation:		m				Sample Width: 1.5 M	Abundance:

Comments: NAD 83, STACKED SCARN SEQUENCE WITH LST DIRECTLY ABOVE AND PPY DYKE BELOW. PO AND PY AND CP IN SKARN

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088595	UTM:	512795	E	UTM:	6871610	N	Type: CHIP	
	Elevation:		m				Sample Width: 1.10 M	Abundance:

Comments: NAD 83, STACKED SCARN SEQUENCE WITH LST DIRECTLY ABOVE AND PPY DYKE BELOW. MAG AND PO AND PY IN SKARN BASALT. YW PPT ON SURFACE

Rock Sample Descriptions Project: ARN Property: ARN

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088596	UTM: 512795	E	UTM: 6871610	N	Sample Width: 0.80 M	Abundance:
	Elevation:	m				

Comments: NAD 83, STACKED SCARN SEQUENCE WITH LST DIRECTLY ABOVE AND PPY DYKE BELOW. PR-BR WEATH MX MAG WITH W PY

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088597	UTM: 512795	E	UTM: 6871610	N	Sample Width: 1.25 M	Abundance:
	Elevation:	m				

Comments: SAME AS 594

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088598	UTM: 512777	E	UTM: 6871608	N	Sample Width: 1.70 M	Abundance:
	Elevation:	m				

Comments: NAD 83, "PILLOWY WEATHERING" BK SURF MASSIVE PO WITH DISSBLEBBY CP

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088599	UTM: 512777	E	UTM: 6871608	N	Sample Width: 2.10M	Abundance:
	Elevation:	m				

Comments: NAD 83, SAME HEAVY PO WITH CP O/C CONTINUOUS WITH MAL ON SURFACE. GAR-EPI-MAG SK OF BASALT. DOM CP WITH MAL

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088600	UTM: 512781	E	UTM: 6871608	N	Sample Width: 1.5M	Abundance:
	Elevation:	m				

Comments: NAD 83, "BELOW" LST AND 598 AND TO THE SOUTH. OXID SK WITH PO,PY CP AND MAL LIMONITIC SURFACE

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088601	UTM: 512713	E	UTM: 6871555	N	Sample Width: 0.75M	Abundance:
	Elevation:	m				

Comments: NAD 83, GAR-PO-CP SKARN 1 METER WIDE AND 4 METERS LONG (UPHILL) MZN MODERATE.

Rock Sample Descriptions Project: ARN Property: ARN

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088602	UTM:	512650	E	UTM:	6871600	N	Sample Width: 10M	Abundance:
	Elevation:		m					

Comments: NAD 83, CHIP SAMPLE OFF FOUR BOULDERS /O/C MAG, CP, PY, PO, GAR -EPI SK. VARYING MZN FROM T TO SEMI MX-MX (MAG) X CLOSE TO INSITU. ADJ TO 1 METER WIDE DYKE NEXT TO PURE/CLEAN LST.

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088603	UTM:	512425	E	UTM:	6871731	N	Sample Width: 2 BOULDERS	Abundance:
	Elevation:		m					

Comments: 1M X 1M IN SIZE 2M APART IN SLOPE SEMI MX TO MX PO, CP WITH W PY TARNISH CLOSE TO INSITU

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088604	UTM:	512421	E	UTM:	6871728	N	Sample Width: 2.5M	Abundance:
	Elevation:		m					

Comments: SK WITH W PO, CP, AND W MAG. O/C 15M BY 4.5M PALE EPI SK

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088605	UTM:	512421	E	UTM:	6871728	N	Sample Width: 2M	Abundance:
	Elevation:		m					

Comments: SEMI/MX PO WITH CP AND MAG SK. VERY FINE GRAINED

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088606	UTM:	512461	E	UTM:	6871680	N	Sample Width: 1.65M	Abundance:
	Elevation:		m					

Comments: PUNKY, RUSTY CHL SK WITH SULPHIDE PITS MINOR MAG IN STRINGERS

Sample Number:	Grid East:			Grid North:			Type:	Dimension:
G088607	UTM:	512461	E	UTM:	6871680	N	Sample Width: 2.45M	Abundance:
	Elevation:		m					

Comments: SAME AS PREV WITH 10CM ZONES OF FERROCRETE LIKE CEMENTED CLASTS

Rock Sample Descriptions Project: _____ Property: _____

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088608	UTM:	512461	E	UTM:	6871680	N	Sample Width: 1.55M	Abundance:
	Elevation:		m					

Comments: WH PPT ON SURFACE EPI-CHL SK WITH W-M PY DISS AND MINOR PO

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088609	UTM:	512461	E	UTM:	6871680	N	Sample Width: 0.75M	Abundance:
	Elevation:		m					

Comments: HEAVY TO SEMI MX TO MX MAG AND PO AND CP SKARN. BULBOUS SURFACE

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088610	UTM:	512461	E	UTM:	6871680	N	Sample Width: 0.75M	Abundance:
	Elevation:		m					

Comments: PUNKY CHL SK WITH LIM AREAS T PY

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088611	UTM:	512461	E	UTM:	6871680	N	Sample Width: 0.50M	Abundance:
	Elevation:		m					

Comments: PO, CP, MAG SK SEMI MX-MX

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088612	UTM:	512461	E	UTM:	6871680	N	Sample Width: 1.50M	Abundance:
	Elevation:		m					

Comments: GAR-EPI U AND C SK WITH T CP

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088613	UTM:	512157	E	UTM:	6871820	N	Sample Width: 0.75M	Abundance:
	Elevation:		m					

Comments: VERY FG, RUSTY MAG, MIXED SK WITH CP AND PY. DOM SX (?) SK.

Rock Sample Descriptions

Project: _____ Property: _____

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088614	UTM:	512167	E	UTM:	6871811	N	Sample Width: 1M	Abundance:
	Elevation:		m					

Comments: MED GR CHILLED-LOOKING SK WITH BLEBBY PY, BLEBBY LESSER PO, T CP. RARE BXWK-LIM SURFACE IN LAST 20CM NEXT TO INTR.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088615	UTM:	512167	E	UTM:	6871811	N	Sample Width: 1.50M	Abundance:
	Elevation:		m					

Comments: PR-OR-YW TARNISHED MAG, PO, CP, PY SK (MIXED). PO AND MAG DOM. PUNKY IN SOME AREAS MX MAG

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088616	UTM:	512167	E	UTM:	6871811	N	Sample Width: 1.60M	Abundance:
	Elevation:		m					

Comments: PRIMARILY MX MAG SK WITH RARE PY AND CP. SMALL INTRUS. CLASTS. SITS ADJ TO PREV AND UPSLOPE FROM LST.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088617	UTM:	511756	E	UTM:	6872028	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: 2M DOWN FROM RIDGE LST-INTR CONTACT WITH ABUNDANT CP AND MAL. RK HAS BOTH INT AND LST. TOP OF EXPOSED MZN.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088618	UTM:	511804	E	UTM:	6872067	N	Sample Width: 60CM	Abundance:
	Elevation:		m					

Comments: MIXED SK - MOD TO WELL SILICATED CP AND PY AND MAG. EPIDOTE PRESENT YW - OR BOTRIOIDAL SURF. SWIRLS WITHIN MIXED LST.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088619	UTM:	511815	E	UTM:	6872089	N	Sample Width: 1M	Abundance:
	Elevation:		m					

Comments: MED GR SILICIFIED BAND WITH MOD TO HEAVY BLEBBY-STRINGY CP, WITH MAL ON SURFACE. VERY THICK LST SEQUENCE

Rock Sample Descriptions Project: _____ Property: _____

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088620	UTM: 511855	E	UTM: 6872283	N	Sample Width: 0.75M	Abundance:
	Elevation:	m				

Comments: ISOLATED MAG/PO/PY SK WITH CHLORITE. SITS WITHIN WH MARBLE 15M DOWNSLOPE FROM MX MAG SK AREA. DISTINCT FROM OTHER RX-SAMPLED

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088621	UTM: 511808	E	UTM: 6872246	N	Sample Width: 2.25M	Abundance:
	Elevation:	m				

Comments: SK O/C (4M X 3.5M EXPOSED) SNOW INHIB SAMP. ALL 4M ACROSS. TREM AND MAG AND GAR AND CHL SK WITH PY (CUBIC), PO DISS/BLEBBY, T CP WITH MAL/AZURITE. AT TOP OF REC. LINEAR ABOVE LST DOWN SPINE.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088622	UTM: 512299	E	UTM: 6871681	N	Sample Width: 2.5M	Abundance:
	Elevation:	m				

Comments: RUSTY CHL SK WITH MOD SILICIFIED AREAS - CONTACT ADJ TO LST (?) RARE BLEBBY PO

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088623	UTM: 512299	E	UTM: 6871681	N	Sample Width: 3.5M	Abundance:
	Elevation:	m				

Comments: VERY SILICIFIED AND FRACTURED GY - GR MATRIX. MM-SCALE HAIRLINE BK STRINGERS (SX ?) IRRIDESCENT TARNISH ON FX SURFACES.

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088624	UTM: 512299	E	UTM: 6871681	N	Sample Width: 3.0M	Abundance:
	Elevation:	m				

Comments: DOMMINANTLY PSUEDO - MASSIVE? MAG AND PO AND PY WITH WEAK CP SKARN. "BULBOUS" WEATHERING SURFACE ZONES OF WEAKER MZD MIXED SKARN SURROUND THESE LAYERS

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088625	UTM: 512299	E	UTM: 6871681	N	Sample Width: 3.0M	Abundance:
	Elevation:	m				

Comments: VERY HEAVY, SILICIFIED PALE GR-GY SK (ALMOST BLOCKY FX). MINOR PY MZN LIKELY CHLORITE ALTN RUSTY SURFS.

Rock Sample Descriptions Project: _____ Property: _____

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088626	UTM: 512311	E	UTM: 6871860	N	Sample Width: 4.0M	Abundance:
	Elevation:	m				

Comments: LAST SAMPLE IN TRENCH - FX'D SURFACE OR - YW OXID SURFACE. CONTACT WITH GAR EDGE PALE BR-PK GARNET BK STRINGERS (SX?)

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088627	UTM: 512312	E	UTM: 6871847	N	Sample Width: 4.0M	Abundance:
	Elevation:	m				

Comments: CHL SK WITH SMALL BK SPECS, MM-SIZE RUSTY FX'S WITH PY RARE. CONTACT META?

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088628	UTM: 512312	E	UTM: 6871847	N	Sample Width: 4.0M	Abundance:
	Elevation:	m				

Comments: BULBOUS WEATHERED OR MAROON SURF. FG TO SILICIFIED WITH 20CM PITS OF SOFT GY-GR-RICH WITH (CHL?) PO DISSEMINATED THROUGHOUT

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088629	UTM: 512317	E	UTM: 6871848	N	Sample Width: 2.5M	Abundance:
	Elevation:	m				

Comments: 1.75M SAMPLE IS OF SOMEWHAT MASSIVE MAG, PY, WITH OR-PK TARNISHED SX T CP. 1.75M OF SAMPLE IS VERY GREEN, SILICIFIED CHL SK WITH GAR AND DISS PO AND T CP. SMALL BK STRINGERS

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088630	UTM: 512312	E	UTM: 6871823	N	Sample Width: 3.5M	Abundance:
	Elevation:	m				

Comments: PALE GR CLASTS WITHIN LIMONITIC BXWK VERY FRACTURED, MINOR SX REMAIN SMALL (20CM) SILICIFIED ZONES T PO

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G088631	UTM: 512312	E	UTM: 6871823	N	Sample Width: 3.5M	Abundance:
	Elevation:	m				

Comments: TARNISHED, BOXWORKED EPI SK

Rock Sample Descriptions Project: _____ Property: _____

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088632	UTM:	512312	E	UTM:	6871823	N	Sample Width: 2.0M	Abundance:
	Elevation:		m					

Comments: DARK GR CHL-RICH SK WITH SMALL PATCHES (20CM) OF PALE GR BRXX(?). THIS PART IS PUNKY AND SOFT, CHL-RICH IS RESISTANT AND MORE WELL MZD WITH PY AND T PO. BRXX-LIM CEMENT WITH 40CM PO ZONES

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088633	UTM:	512312	E	UTM:	6871823	N	Sample Width: 2.5M	Abundance:
	Elevation:		m					

Comments: 20CM CHL SK WITH HEAVY PY DISSEM, W PO AND CP. REST OF SAMPLE IS BR-OR WEATHERING OF PALE GR-GY CHL. MINOR PUNKY-PY RICH ZONES

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088634	UTM:	512322	E	UTM:	6871828	N	Sample Width: 1.5M	Abundance:
	Elevation:		m					

Comments: CEMENTED SK CLASTS IN BR-MAROON LIMONITE-FERROCRETE TYPE CEMENT. TARNISH WITH RARE PY AND PO. CLASTS ARE FG GR CHL. PALE GR POCKY ZONES WITH FINE GY SX DISSEM.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088635	UTM:	512337	E	UTM:	6871813	N	Sample Width: 1.25M	Abundance:
	Elevation:		m					

Comments: O/C 1.25M X 4M LONG, POSS CONNECTED TO M012317 ('04) CP AND PY RICH CHL SK WITH ABUNDANT OXID.

Sample Number:	Grid East:	511793	E	Grid North:	6872334	N	Type: Chip	Dimension:
G088636	UTM:		E	UTM:		N	Sample Width: 0-2.25m	Abundance:
	Elevation:		m					

Comments: Chip sample v. fg BK, silicious rock w/ YW Antimony arsenic surface staining weak Py + Po mzn-diss

Sample Number:	Grid East:	511793	E	Grid North:	6872334	N	Type: Chip	Dimension:
G088637	UTM:		E	UTM:		N	Sample Width: 2.25m - 5.25n	Abundance:
	Elevation:		m					

Comments: 3M CHIP. ACROSS RECESSIVE AREA/LINEAR WITHIN SKARN. SMALL ZONE OF MX MAG, PO AND CP SKARN 0.4M. FG BL-GR, RIDDLED WITH SMALL QZ VTS. DISSEMINATED PO, PY AND ASPY? BLEBS. POSS. HEM OR GARNET BLEBS

Rock Sample Descriptions Project: _____ Property: _____

Sample Number:	Grid East:	511793 E	Grid North:	6872334 N	Type: Chip	Dimension:
G088638	UTM:	E	UTM:	N	Sample Width: 5.25-8.25m	Abundance:
	Elevation:	m				

Comments: 3M CHIP MORE RESISTANT DARK BR-BR SKARN CHLORITE SK (?) MZN V.MOD-HEAVY DISS CP, ASPY, PO, STRINGERS OF VERY FINE SILVER SX. CHL (AND GAR?)

Sample Number:	Grid East:	511793 E	Grid North:	6872334 N	Type: Chip	Dimension:
G088639	UTM:	E	UTM:	N	Sample Width: 8.25-9.75m	Abundance:
	Elevation:	m				

Comments: 1.5M CHIP VERY FG, CHL AND GAR SKARN. SMALL WINDOW WITHIN SKARN. OVERPRINTING V. FINE MZN-PO, ASPY, + - CP?, RECESSIVE COMPARED TO '38 AND '40

Sample Number:	Grid East:	511793 E	Grid North:	6872334 N	Type: Chip	Dimension:
G088640	UTM:	E	UTM:	N	Sample Width: 9.75-12.00m	Abundance:
	Elevation:	m				

Comments: 2.25M CHIP COMES IN CONTACT WITH BASE OF 3M HIGH SK WALL ABUND SURFACE WEATH/OXID ETC. BULBOUS-RESISTANT PURPLE-BR TARNISH. CHL+GAR SK WITH DISS CP+PO. --> WALL=LARGE CUBIC PY ZONES. END 511613 6872047

Sample Number:	Grid East:	E	Grid North:	N	Type: CHIP	Dimension:
G088641	UTM:	511608 E	UTM:	6872052 N	Sample Width: 3.5M	Abundance:
	Elevation:	m				

Comments: MAG + PO + CP SK WITH DISS PO+CP AND MM-SCALE CP BANDS. MINOR PY. GARNET+CPI SK

Sample Number:	Grid East:	E	Grid North:	N	Type: CHIP	Dimension:
G088642	UTM:	511836 E	UTM:	6872579 N	Sample Width: 2.5M	Abundance:
	Elevation:	m				

Comments:

Sample Number:	Grid East:	511836 E	Grid North:	6872579 N	Type: CHIP	Dimension:
G088643	UTM:	E	UTM:	N	Sample Width: 3M	Abundance:
	Elevation:	m				

Comments: SAMPLE OF TREM-EPI SK WITH MOD MAG. MZN-DOM PY AS STRINGERS W/T PO, RARE CP. WEAK SURF OXID WITH BOTRIOIDAL CARBONATE PPT. BXWK ZONES WITH ABUND OLD SK PITS. WITH RD, ALMOST JASPERITE LOOKING XTALS

Rock Sample Descriptions Project: Arn Property: Arn

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088644	UTM:	511861	E	UTM:	6872624	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: ADJ TO 2M WEAK CHL-SK BUFFERED WITH 2M MX BR GARNET. SAMPLE MAGNETITE-CALCITE-SPIDOTE SKARN WITH 4MM CUBIC PY, DISSEM BLEBBY CP MINOR EARTHY HEM AND MAL

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088645	UTM:	511878	E	UTM:	6872630	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: DIRECTLY BELOW LST O/C EPI-MAG SK WITH ALMOST BXWK SULPHIDE PITS FROM WHERE PY-COARSE ONCE WAS.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088646	UTM:	511897	E	UTM:	6872611	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: CALCITE-MAG-EPIDOTE SK WITH ABUNDANT CP + CUBIC (4MM) PY.

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088647	UTM:	511908	E	UTM:	6872567	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: SAMPLE FROM OUTCROP TAKEN FROM 3M WIDE SK. HEAVY, MASSIVE PY MINERALIZATION. MAFIC WITH EPI

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088648	UTM:	511967	E	UTM:	6872616	N	Sample Width:	1' X 1' Abundance:
	Elevation:		m					

Comments: TAKEN OFF OF MAG SK O/C. MINOR EPIDOTE. BOXWORKED SX PITS WITH MM-SIZE CUBIC PY REMAINING REPRESENTITIVE OF SK IN AREA

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088649	UTM:	511977	E	UTM:	6872625	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: WEATHERED LIMONITIC RUSTING. HEAVY PY VERY MASSIVE. TAKEN FROM MAG SK AREA

Rock Sample Descriptions Project: Arn Property: Arn

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
G088650	UTM:	511977	E	UTM:	6872617	N	Sample Width: 3M	Abundance:
	Elevation:		m					

Comments: MAG SK WITH CHL . WEAK-MOD CPL MZN. MALACHITE AND AZURITE ON WEATHER SURFACE. BOXWORK/LIMONITIC RUSTING

Sample Number:	Grid East:		E	Grid North:		N	Type: O/C	Dimension:
G088651	UTM:	512086	E	UTM:	6872835	N	Sample Width:	Abundance:
	Elevation:		m					

Comments: SILICIFIED SED. MOD PY WITH WEAK PO. HEAVILY DISSEMINATED WITH SOME SMALLER STRINGERS OF MZN. CONTACT AUREOLE ROCK?

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088652	UTM:	512237	E	UTM:	6872842	N	Sample Width: 2.25M	Abundance:
	Elevation:		m					

Comments: CHL SK. FG MAFIC SK WITH DISS FINE PO AND CP. NARROWS TO 0.75M

Sample Number:	Grid East:		E	Grid North:		N	Type: CHIP	Dimension:
G088653	UTM:	512237	E	UTM:	6872819	N	Sample Width: 0.75M	Abundance:
	Elevation:		m					

Comments: SAME COMPOSITION AS PREVIOUS. CHL SK. CUT OFF BY DYKE TO S

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
	UTM:		E	UTM:		N	Sample Width:	Abundance:
	Elevation:		m					

Comments:

Sample Number:	Grid East:		E	Grid North:		N	Type:	Dimension:
	UTM:		E	UTM:		N	Sample Width:	Abundance:
	Elevation:		m					

Comments:

Rock Sample Descriptions

Project: Arn Property: Arn

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				
Comments:						

APPENDIX III

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

All rock and soil samples collected during the 2008 program were sorted into rice bags and sealed with a plastic zap strap on the Arn property. Samples were flown to the White River Lodge and sent to Whitehorse via truck on August 5 with Archer Cathro personnel.

The samples were shipped via Greyhound Courier Express to ALS Chemex in North Vancouver, British Columbia.

Rock Geochemical Samples

Rock sample sites in 2008 were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for shipment were double bagged with pre-numbered sample tags placed in the bags.

The rock samples were submitted to ALS Chemex in North Vancouver, British Columbia where they were dried and fine crushed to –2 mm. A 250 g split was then pulverized to 75 micron and a portion of this material was digested in aqua regia before being analyzed for 34 elements by the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41). All rock samples were then analyzed for gold using fire assay technique (AU-ICP21).

Soil Geochemical Samples

Soil geochemical samples collected on the property were located by means of compass and hipchain surveys with frequent checks using handheld GPS units. Sample locations were marked with orange flagging tape and labelled with sample number and grid coordinate, where applicable. Soil samples were collected using mattocks and were placed into individual pre-numbered kraft paper bags.

The soil samples were sent to ALS Chemex, where they were dried and screened to minus 180 microns. One split of the screened fraction were dissolved in aqua regia and analyzed for 34 elements by ME-ICP41. A second split was fire assayed for gold using AU-ICP21.

APPENDIX IV

CERTIFICATES OF ANALYSIS

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
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

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE VA08112836

Project: ARN

P.O. No.:

This report is for 56 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-AUG-2008.

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-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
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

ALS Chemex

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Project: ARN

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC26351		0.26	0.077	0.2	2.82	17	<10	80	<0.5	<2	0.68	<0.5	23	66	219	4.12
CC26352		0.24	0.067	0.2	2.87	16	<10	70	<0.5	<2	1.05	<0.5	21	88	241	3.81
CC26353		0.28	0.065	<0.2	3.10	63	<10	80	0.5	2	1.51	0.5	38	90	409	7.75
CC26354		0.26	0.089	0.2	3.18	13	<10	140	<0.5	<2	1.18	<0.5	41	119	417	6.85
CC26355		0.24	1.455	12.1	1.85	55	<10	30	<0.5	12	0.94	3.7	373	26	>10000	11.75
CC26356		0.28	0.923	0.4	3.13	53	<10	40	<0.5	<2	1.44	<0.5	43	177	654	3.76
CC26357		0.24	0.291	<0.2	2.96	134	<10	70	<0.5	<2	1.22	<0.5	33	117	218	5.14
CC26358		0.28	0.179	<0.2	3.90	49	<10	70	<0.5	<2	1.49	<0.5	35	283	115	3.43
CC26359		0.26	0.086	0.2	3.05	47	<10	90	<0.5	2	1.09	<0.5	48	82	217	4.74
CC26360		0.24	0.348	<0.2	3.05	63	<10	80	<0.5	<2	0.94	<0.5	45	54	173	4.32
CC26361		0.42	0.081	<0.2	3.77	257	<10	90	0.6	<2	1.54	<0.5	49	53	185	5.74
CC26362		0.32	0.021	<0.2	3.61	76	<10	90	0.5	2	1.44	<0.5	34	126	99	5.30
CC26363		0.40	0.031	0.2	3.51	242	<10	70	<0.5	<2	1.51	<0.5	45	152	128	5.69
CC26364		0.30	0.039	0.2	0.95	3180	<10	270	<0.5	<2	19.5	1.5	17	33	233	5.85
CC26365		0.28	5.01	1.5	2.61	88	<10	40	<0.5	3	1.62	0.9	284	67	2510	15.8
CC26366		0.32	0.183	<0.2	1.07	36	<10	80	<0.5	2	19.8	<0.5	29	17	224	3.03
CC26367		0.30	1.230	0.9	1.99	27	<10	20	<0.5	3	0.59	<0.5	693	54	4540	26.7
CC26368		0.28	0.107	0.2	3.60	172	<10	10	0.5	2	1.30	<0.5	227	33	1605	5.02
CC26369		0.40	1.130	3.7	0.23	9	<10	10	<0.5	9	0.50	<0.5	2	11	819	26.8
CC26370		0.34	0.164	0.4	3.10	20	<10	90	<0.5	<2	1.26	<0.5	35	61	405	6.47
CC26371		0.34	0.116	0.2	3.23	63	<10	70	<0.5	<2	1.71	<0.5	34	124	383	5.05
CC26372		0.36	0.372	0.3	2.21	44	<10	60	<0.5	<2	1.51	<0.5	46	61	612	6.32
CC26373		0.28	0.060	0.4	3.86	39	<10	110	<0.5	2	1.03	0.5	39	95	560	5.05
CC26374		0.40	0.866	1.5	1.00	27	<10	10	<0.5	2	0.74	<0.5	11	42	1150	15.7
CC26375		0.32	0.909	2.1	0.78	109	<10	30	<0.5	2	0.75	<0.5	12	30	721	16.6
CC26376		0.28	1.495	0.6	2.57	48	<10	60	<0.5	3	7.69	0.5	103	55	1435	6.71
CC26377		0.34	0.237	0.4	3.22	28	<10	90	<0.5	<2	1.31	<0.5	36	53	481	6.43
CC26378		0.30	0.023	0.4	4.67	24	<10	60	0.6	2	2.19	0.5	47	297	360	6.13
CC26379		0.38	0.022	<0.2	2.61	244	<10	40	0.7	<2	8.67	<0.5	34	79	134	6.03
CC26380		0.30	0.718	0.5	2.67	48	<10	40	0.8	2	3.43	0.6	126	26	776	9.04
CC26381		0.24	0.402	0.8	1.19	28	<10	20	<0.5	2	24.4	0.8	21	11	564	2.26
CC26382		0.26	0.030	0.3	4.14	82	<10	80	<0.5	<2	2.16	<0.5	40	132	189	3.99
CC26383		0.28	0.049	<0.2	3.72	195	<10	70	0.6	<2	1.89	<0.5	99	97	469	7.26
CC26384		0.34	0.044	0.3	3.11	131	<10	40	0.5	2	1.67	<0.5	90	54	341	7.40
CC26385		0.32	0.014	<0.2	4.00	66	<10	30	<0.5	2	3.92	<0.5	53	241	136	6.57
CC26386		0.30	0.030	<0.2	3.68	38	20	20	0.6	2	6.61	<0.5	27	130	84	5.47
CC26387		0.30	0.033	<0.2	3.59	93	<10	70	0.6	<2	1.55	0.5	67	54	442	6.22
CC26388		0.34	0.038	<0.2	4.40	77	<10	70	0.5	<2	2.15	<0.5	62	209	270	6.30
CC26389		0.30	0.032	<0.2	3.46	334	10	160	0.6	<2	7.88	0.9	27	17	165	5.97
CC26390		0.30	0.093	<0.2	1.62	41	10	90	<0.5	<2	21.4	1.0	22	36	312	3.18

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: ARN

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method	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
	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
CC26351		10	1	0.06	10	0.94	627	1	0.08	52	570	5	0.05	<2	4	63
CC26352		10	<1	0.15	10	1.32	653	1	0.09	63	720	6	0.03	<2	6	94
CC26353		10	1	0.14	10	1.10	1685	6	0.05	93	970	5	0.02	2	20	111
CC26354		10	<1	0.26	10	1.86	1450	1	0.06	83	910	5	0.02	<2	9	111
CC26355		10	<1	0.03	10	0.47	2060	2	0.03	821	730	7	0.31	<2	4	40
CC26356		10	<1	0.10	<10	1.73	832	2	0.04	178	480	7	0.03	<2	5	149
CC26357		10	1	0.09	10	1.60	1005	4	0.08	122	620	6	0.05	13	9	93
CC26358		10	1	0.18	<10	2.40	362	1	0.10	217	480	5	0.03	<2	3	155
CC26359		10	<1	0.13	10	1.58	1145	1	0.07	98	820	9	0.04	<2	7	111
CC26360		10	<1	0.07	10	1.25	741	1	0.05	103	730	6	0.05	2	5	88
CC26361		10	1	0.19	10	1.30	1305	1	0.16	69	970	7	0.02	12	11	189
CC26362		10	1	0.14	10	1.32	975	1	0.05	97	900	8	0.01	21	16	340
CC26363		10	1	0.12	10	1.57	1085	2	0.06	133	810	8	0.01	37	15	194
CC26364		<10	2	0.04	10	0.62	3320	5	0.02	125	470	3	<0.01	386	13	342
CC26365		10	<1	0.06	10	0.94	1895	6	0.05	343	920	6	0.12	<2	4	96
CC26366		<10	<1	0.03	10	0.52	505	1	0.03	31	500	5	<0.01	<2	2	720
CC26367		10	<1	0.02	10	0.24	2580	6	0.01	42	890	<2	1.06	<2	5	18
CC26368		10	1	0.04	10	0.54	1305	21	0.02	66	1300	7	0.01	34	17	51
CC26369		10	<1	0.02	<10	0.04	111	1	0.01	<1	1250	<2	1.20	<2	1	3
CC26370		10	1	0.12	10	1.14	1150	5	0.07	47	1020	7	0.03	<2	11	136
CC26371		10	<1	0.13	10	1.34	1125	4	0.10	100	780	7	0.02	<2	11	147
CC26372		10	<1	0.05	10	0.88	1515	5	0.06	64	820	5	0.04	<2	5	60
CC26373		10	<1	0.09	10	1.55	864	1	0.10	108	770	6	0.05	<2	7	86
CC26374		10	1	0.03	<10	0.38	292	6	0.02	16	710	2	0.41	<2	3	13
CC26375		10	1	0.05	<10	0.32	385	6	0.02	15	1300	6	0.53	5	3	10
CC26376		10	<1	0.05	10	1.21	1375	8	0.07	79	980	9	0.08	<2	4	370
CC26377		10	<1	0.11	10	1.07	1350	5	0.06	42	960	6	0.02	2	12	135
CC26378		10	1	0.08	10	4.29	1215	9	0.03	214	850	9	0.04	<2	19	238
CC26379		<10	<1	0.06	10	1.43	603	4	0.03	181	740	5	0.02	5	17	171
CC26380		<10	<1	0.07	10	0.87	1510	5	0.02	43	910	7	0.13	<2	8	124
CC26381		<10	<1	0.03	<10	0.29	408	1	0.03	34	460	8	<0.01	<2	2	416
CC26382		10	<1	0.19	10	1.43	879	1	0.07	110	640	7	0.05	2	4	279
CC26383		10	1	0.15	10	1.24	1385	4	0.07	132	760	6	0.16	4	7	220
CC26384		10	1	0.13	10	0.89	1400	7	0.07	97	790	8	0.13	3	6	165
CC26385		10	1	0.07	10	3.31	1365	1	0.03	239	660	5	0.04	7	23	113
CC26386		10	<1	0.07	10	2.16	1010	2	0.01	83	540	6	0.03	<2	12	72
CC26387		10	1	0.13	10	1.39	1205	3	0.08	82	1090	10	0.09	4	8	171
CC26388		10	2	0.24	10	2.13	1290	3	0.12	127	830	7	0.16	2	10	239
CC26389		10	1	0.06	10	1.17	1270	5	0.07	15	900	13	0.13	3	5	509
CC26390		<10	1	0.07	10	0.63	556	3	0.07	47	700	7	<0.01	<2	3	357

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Project: ARN

Finalized Date: 12-SEP-2008
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CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.01
CC26351		<20	0.10	<10	<10	119	<10	70	
CC26352		<20	0.13	<10	<10	96	<10	59	
CC26353		<20	0.10	<10	<10	170	<10	119	
CC26354		<20	0.26	<10	<10	222	<10	106	
CC26355		<20	0.06	<10	<10	44	<10	632	2.76
CC26356		<20	0.08	<10	<10	62	<10	382	
CC26357		<20	0.10	<10	<10	97	<10	73	
CC26358		<20	0.15	<10	<10	68	<10	51	
CC26359		<20	0.14	<10	<10	92	<10	69	
CC26360		<20	0.12	<10	<10	95	<10	73	
CC26361		<20	0.12	<10	<10	125	<10	73	
CC26362		<20	0.08	<10	<10	126	<10	73	
CC26363		<20	0.07	<10	<10	117	<10	93	
CC26364		<20	0.01	<10	10	140	<10	125	
CC26365		<20	0.07	<10	<10	67	<10	98	
CC26366		<20	0.03	<10	10	21	<10	37	
CC26367		<20	0.03	10	<10	20	<10	45	
CC26368		<20	<0.01	<10	<10	51	<10	82	
CC26369		<20	0.04	<10	<10	23	<10	12	
CC26370		<20	0.12	<10	<10	167	<10	83	
CC26371		<20	0.10	<10	<10	115	<10	74	
CC26372		<20	0.08	<10	<10	69	<10	84	
CC26373		<20	0.14	<10	<10	115	<10	108	
CC26374		<20	0.07	<10	<10	43	<10	31	
CC26375		<20	0.08	<10	<10	54	<10	43	
CC26376		<20	0.06	<10	<10	41	<10	106	
CC26377		<20	0.10	<10	<10	155	<10	90	
CC26378		<20	0.13	<10	<10	142	<10	104	
CC26379		<20	0.03	<10	<10	92	<10	94	
CC26380		<20	0.02	<10	<10	74	<10	150	
CC26381		<20	0.04	<10	10	15	<10	213	
CC26382		<20	0.09	<10	<10	66	<10	83	
CC26383		<20	0.07	<10	<10	82	<10	73	
CC26384		<20	0.05	<10	<10	79	<10	64	
CC26385		<20	0.05	<10	<10	152	<10	67	
CC26386		<20	0.01	<10	<10	106	<10	111	
CC26387		<20	0.11	<10	<10	102	<10	91	
CC26388		<20	0.11	<10	<10	113	<10	64	
CC26389		<20	0.02	<10	<10	77	<10	152	
CC26390		<20	0.06	<10	10	35	<10	214	

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CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
CC26391		0.30	0.118	0.2	1.37	42	<10	30	<0.5	<2	19.1	1.5	29	23	315	3.27
CC26392		0.32	0.082	<0.2	3.94	56	<10	70	<0.5	2	6.27	0.5	38	68	323	5.39
CC26393		0.26	0.045	<0.2	3.01	20	<10	30	<0.5	<2	6.44	<0.5	16	10	43	4.37
CC26394		0.34	0.090	<0.2	3.93	88	<10	70	0.5	<2	2.23	0.5	45	204	392	5.69
CC26395		0.32	0.025	<0.2	3.71	112	<10	80	<0.5	<2	1.58	<0.5	46	118	199	4.60
CC26396		0.26	0.248	0.7	2.47	159	10	100	<0.5	2	12.05	0.6	48	41	353	4.62
CC26397		0.28	0.154	0.2	2.95	51	<10	70	<0.5	<2	1.30	<0.5	32	65	166	4.10
CC26398		0.28	0.163	<0.2	0.76	29	<10	330	<0.5	<2	>25.0	<0.5	14	33	74	1.87
CC26399		0.30	0.080	0.5	4.48	271	<10	140	0.5	<2	1.61	<0.5	87	253	349	6.89
CC26400		0.32	0.055	0.5	1.74	81	<10	110	<0.5	<2	18.7	0.5	39	44	363	3.05
CC27386		0.26	0.041	0.5	1.54	77	<10	50	<0.5	<2	16.2	1.1	39	46	422	3.43
CC27387		0.28	0.053	0.6	1.78	132	10	80	0.5	<2	10.50	0.6	39	17	250	5.12
CC27388		0.36	0.063	0.3	2.55	71	80	240	<0.5	<2	9.90	<0.5	28	74	187	3.47
CC27389		0.28	0.032	0.7	3.42	66	20	40	0.5	<2	5.61	0.6	46	57	266	5.01
CC27390		0.32	0.087	0.3	3.58	37	10	80	0.6	<2	2.17	<0.5	37	15	115	6.22
CC27391		0.36	0.090	0.5	3.21	121	10	50	<0.5	<2	6.63	0.6	43	76	163	4.77

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Project: ARN

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method	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
	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
CC26391		<10	<1	0.04	10	0.56	481	6	0.03	48	810	9	<0.01	<2	2	357
CC26392		10	<1	0.11	10	1.75	880	5	0.08	83	970	26	0.09	2	9	451
CC26393		10	<1	0.08	10	0.41	1505	1	0.01	6	1200	5	0.01	<2	12	148
CC26394		10	1	0.17	10	1.86	1075	1	0.08	137	1030	16	0.06	2	9	177
CC26395		10	1	0.18	10	1.61	898	1	0.13	123	780	7	0.05	2	6	241
CC26396		<10	<1	0.06	<10	0.87	1390	3	0.04	47	780	10	0.07	9	7	347
CC26397		10	<1	0.11	10	1.30	831	1	0.08	66	930	6	0.04	3	7	145
CC26398		<10	<1	0.05	<10	0.53	383	3	0.04	29	290	3	<0.01	2	2	365
CC26399		10	<1	0.16	10	2.56	1525	<1	0.05	256	880	3	0.04	8	12	237
CC26400		<10	<1	0.05	<10	0.61	736	2	0.03	51	600	4	<0.01	4	3	396
CC27386		<10	<1	0.03	<10	2.26	1045	3	0.02	74	490	6	0.05	5	3	327
CC27387		<10	<1	0.03	<10	0.53	1015	5	0.02	33	870	12	0.05	15	11	174
CC27388		10	<1	0.11	<10	1.17	815	1	0.10	69	980	4	0.09	<2	5	254
CC27389		10	<1	0.07	<10	1.42	1205	2	0.03	76	1060	7	0.06	4	11	177
CC27390		10	1	0.07	10	0.76	1520	3	0.02	18	1030	6	0.05	5	11	153
CC27391		10	<1	0.07	<10	1.43	869	3	0.07	129	910	9	0.07	3	14	189

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CERTIFICATE OF ANALYSIS VA08112836

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	0.01
CC26391		<20	0.04	<10	10	29	<10	290	
CC26392		<20	0.10	<10	<10	97	<10	108	
CC26393		<20	0.02	<10	<10	82	<10	51	
CC26394		<20	0.13	<10	<10	105	<10	111	
CC26395		<20	0.11	<10	<10	80	<10	58	
CC26396		<20	0.05	<10	<10	74	<10	105	
CC26397		<20	0.12	<10	<10	89	<10	62	
CC26398		<20	0.02	<10	<10	24	<10	22	
CC26399		<20	0.09	<10	<10	116	<10	89	
CC26400		<20	0.04	<10	<10	38	<10	69	
CC27386		<20	0.03	<10	<10	41	<10	82	
CC27387		<20	0.04	<10	<10	107	<10	110	
CC27388		<20	0.09	<10	<10	60	<10	80	
CC27389		<20	0.06	<10	<10	80	<10	131	
CC27390		<20	0.03	<10	<10	109	<10	73	
CC27391		<20	0.06	<10	<10	95	<10	88	

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Finalized D[illegible]: 12-SEP-2008
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CERTIFICATE VA08112835

Project: ARN

P.O. No.:

This report is for 46 Rock samples submitted to our lab in Vancouver, BC, Canada on 12-AUG-2008.

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-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE

To: ATAC RESOURCES LTD.
ATTN: AL ARCHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA08112835

Sample Description	Method	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G088590		0.96	0.031	<0.2	2.15	14	<10	10	<0.5	<2	1.17	<0.5	51	18	430	8.26
G088591		0.80	0.154	2.6	2.49	101	<10	10	<0.5	<2	3.00	<0.5	39	32	1450	3.86
G088592		0.78	0.147	0.3	0.58	17	<10	<10	<0.5	<2	0.58	<0.5	28	6	917	2.20
G088593		0.56	0.107	2.1	2.17	33	<10	10	<0.5	<2	3.98	0.5	49	38	2850	4.00
G088594		0.80	0.010	0.4	3.63	12	20	10	<0.5	<2	3.87	<0.5	13	73	185	3.33
G088595		1.10	0.066	0.8	0.44	22	<10	10	<0.5	<2	1.36	<0.5	14	15	481	45.8
G088596		0.84	0.134	1.7	0.29	9	<10	10	<0.5	<2	5.34	<0.5	70	15	2000	39.2
G088597		1.50	0.010	0.5	0.77	12	<10	<10	<0.5	<2	1.70	<0.5	18	20	351	20.9
G088598		1.20	0.268	3.7	0.42	13	<10	<10	<0.5	7	2.60	<0.5	552	5	8500	26.3
G088599		1.44	0.355	3.7	0.61	8	<10	<10	<0.5	12	5.37	<0.5	302	6	5530	14.1
G088600		0.94	0.074	1.6	1.97	17	<10	10	<0.5	<2	5.81	<0.5	78	53	1050	11.70
G088601		0.84	0.041	0.3	2.59	8	<10	10	<0.5	<2	3.51	2.7	151	59	1440	7.82
G088602		1.26	0.357	1.2	1.19	23	<10	10	<0.5	<2	4.39	<0.5	74	16	2020	22.2
G088603		1.12	0.837	0.7	0.06	11	<10	<10	<0.5	<2	0.24	<0.5	382	12	5630	1.57
G088604		0.82	1.220	2.7	0.60	13	<10	10	<0.5	7	2.75	<0.5	247	16	1405	24.2
G088605		0.96	1.240	0.6	0.32	10	<10	<10	<0.5	4	1.41	3.7	505	11	2330	19.3
G088606		0.70	0.390	2.0	0.27	12	<10	<10	<0.5	<2	0.69	4.6	10	34	1265	12.0
G088607		0.98	0.481	3.4	0.55	13	<10	<10	<0.5	<2	2.14	<0.5	9	15	4300	29.7
G088608		1.12	0.420	2.3	1.21	9	<10	<10	<0.5	<2	5.07	<0.5	2	12	1835	12.45
G088609		0.66	2.63	1.8	0.41	5	<10	<10	<0.5	4	1.42	<0.5	242	21	3440	14.6
G088610		0.84	1.250	1.8	0.99	9	<10	10	<0.5	2	3.94	<0.5	4	18	606	10.55
G088611		0.64	0.429	1.7	0.46	9	<10	<10	<0.5	6	1.83	<0.5	84	18	2560	17.5
G088612		0.92	0.162	1.7	2.05	10	<10	<10	<0.5	<2	8.74	<0.5	3	14	868	9.01
G088613		1.02	0.113	0.2	<0.01	4	<10	<10	<0.5	<2	0.10	0.6	48	5	341	0.45
G088614		1.06	0.050	0.2	0.85	25	<10	10	<0.5	<2	0.53	<0.5	72	14	386	1.71
G088615		1.60	0.232	0.8	0.45	22	<10	10	<0.5	12	0.53	<0.5	188	5	5520	22.6
G088616		1.24	0.025	0.7	3.54	11	<10	30	<0.5	<2	3.92	<0.5	23	27	306	27.6
G088617		0.66	0.068	>100	0.25	180	<10	<10	<0.5	<2	3.78	4.0	26	24	>10000	17.7
G088618		1.00	0.010	0.9	1.69	15	<10	10	<0.5	<2	8.55	<0.5	39	46	605	6.44
G088619		1.14	1.435	5.5	1.10	15	<10	<10	<0.5	<2	4.80	1.5	44	53	8550	2.32
G088620		0.66	0.029	0.3	0.12	11	<10	<10	<0.5	<2	0.11	<0.5	47	19	657	0.31
G088621		1.26	0.161	2.4	0.78	24	<10	10	<0.5	<2	11.25	<0.5	183	25	2800	22.7
G088622		1.20	0.517	0.3	0.65	12	<10	<10	<0.5	<2	1.13	<0.5	8	64	375	2.79
G088623		1.04	0.231	0.4	1.67	12	<10	10	<0.5	<2	3.41	<0.5	9	54	176	3.61
G088624		0.98	4.37	1.5	0.24	218	<10	<10	<0.5	2	0.51	8.1	237	14	2010	8.64
G088625		1.38	0.506	0.2	0.81	15	<10	<10	<0.5	<2	2.43	<0.5	11	20	135	2.13
G088626		0.90	0.352	0.2	1.04	7	<10	<10	<0.5	2	3.24	<0.5	13	26	106	1.51
G088627		0.98	0.762	0.7	1.95	8	<10	10	<0.5	2	4.33	<0.5	87	11	1300	8.68
G088628		1.40	0.198	<0.2	2.83	4	<10	10	<0.5	<2	5.89	<0.5	8	13	199	4.32
G088629		1.58	2.36	1.3	1.11	12	<10	<10	<0.5	4	4.83	<0.5	93	22	2170	10.65

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Sample Description	Method	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
	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
G088590		10	<1	0.09	<10	0.66	332	<1	0.20	42	1130	7	2.71	<2	6	77
G088591		10	1	0.04	<10	0.61	479	<1	0.07	53	530	85	0.43	3	6	112
G088592		<10	<1	0.01	<10	0.09	179	<1	<0.01	61	190	2	<0.01	<2	<1	10
G088593		<10	<1	0.05	<10	0.76	714	<1	0.10	213	940	23	0.17	<2	9	82
G088594		10	<1	0.05	<10	0.62	405	<1	0.08	34	800	3	0.11	<2	2	197
G088595		10	<1	0.02	<10	0.05	415	2	0.02	11	220	<2	0.61	<2	1	15
G088596		10	<1	0.02	<10	0.05	445	2	0.02	32	80	<2	1.50	<2	<1	51
G088597		10	1	0.01	<10	0.11	385	<1	0.02	9	390	<2	0.52	<2	3	39
G088598		<10	<1	0.01	<10	0.07	268	5	0.01	457	380	<2	9.67	<2	1	18
G088599		<10	<1	0.01	<10	0.06	768	<1	0.01	317	140	<2	5.96	<2	<1	31
G088600		10	1	0.01	<10	0.37	1105	<1	0.02	69	460	3	2.61	<2	10	58
G088601		<10	<1	0.03	<10	0.10	358	<1	0.05	80	510	8	4.90	<2	7	148
G088602		10	<1	0.01	<10	0.18	822	<1	0.02	96	440	<2	2.33	<2	3	45
G088603		<10	<1	0.01	<10	0.02	41	<1	<0.01	233	160	<2	2.25	<2	<1	4
G088604		<10	1	0.01	<10	0.05	561	1	0.01	36	700	2	8.03	<2	1	6
G088605		<10	<1	0.01	<10	0.03	288	<1	<0.01	74	500	8	>10.0	<2	<1	3
G088606		<10	<1	0.02	<10	0.07	147	<1	0.01	1	470	9	0.83	<2	1	11
G088607		<10	<1	0.01	<10	0.03	315	2	0.01	<1	510	<2	1.73	<2	1	2
G088608		<10	<1	0.01	<10	0.07	798	11	0.01	<1	160	<2	0.68	<2	1	8
G088609		<10	<1	0.01	<10	0.08	270	<1	0.01	21	110	<2	8.79	<2	1	4
G088610		<10	<1	0.01	<10	0.08	708	5	0.01	<1	840	2	0.71	<2	2	5
G088611		<10	<1	0.01	<10	0.08	297	1	0.01	10	330	<2	4.82	<2	1	3
G088612		10	1	0.01	<10	0.12	1440	1	0.01	<1	420	3	0.21	<2	3	3
G088613		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	6	20	2	<0.01	<2	<1	3
G088614		<10	<1	0.27	<10	0.11	186	<1	<0.01	11	140	2	0.67	<2	1	16
G088615		<10	<1	0.06	<10	0.06	323	<1	0.01	26	90	5	4.62	<2	<1	11
G088616		10	<1	0.28	<10	0.70	1385	<1	0.20	<1	640	<2	0.24	<2	5	95
G088617		<10	1	<0.01	<10	0.16	482	5	<0.01	21	940	19	>10.0	6	3	50
G088618		<10	1	0.03	<10	0.28	591	5	0.04	73	530	3	3.52	<2	7	83
G088619		<10	1	0.01	10	0.16	895	<1	<0.01	43	410	4	0.90	<2	6	33
G088620		<10	<1	0.03	<10	0.04	45	<1	0.01	53	130	<2	0.41	<2	<1	26
G088621		10	1	0.01	10	0.10	3580	<1	0.01	78	600	<2	4.28	<2	2	11
G088622		<10	<1	0.03	<10	0.14	321	<1	<0.01	3	170	2	0.05	<2	3	3
G088623		<10	1	0.06	<10	0.58	585	2	0.04	11	610	3	0.12	<2	6	20
G088624		<10	<1	0.01	<10	0.03	156	<1	<0.01	50	310	13	3.57	2	<1	3
G088625		<10	<1	0.01	<10	0.12	494	3	<0.01	4	440	<2	0.06	<2	1	2
G088626		<10	<1	0.05	<10	0.14	585	8	<0.01	9	470	2	0.05	<2	1	23
G088627		<10	<1	0.03	<10	0.37	1070	15	0.02	14	810	11	3.98	<2	3	30
G088628		<10	<1	0.04	<10	0.25	1020	14	0.06	4	970	6	0.12	<2	2	83
G088629		10	<1	<0.01	<10	0.17	899	4	0.01	33	940	12	4.90	<2	2	9

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VANCOUVER BC V6B 1L8

Project: ARN

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08112835

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	1	0.01
G088590		<20	0.19	<10	<10	113	<10	21		
G088591		<20	0.34	<10	<10	105	<10	62		
G088592		<20	0.09	<10	<10	40	<10	62		
G088593		<20	0.17	<10	<10	87	<10	114		
G088594		<20	0.14	<10	<10	50	<10	44		
G088595		<20	0.06	<10	<10	41	<10	95		
G088596		<20	0.02	<10	<10	26	<10	96		
G088597		<20	0.21	<10	<10	59	<10	59		
G088598		<20	0.02	<10	<10	20	<10	78		
G088599		<20	0.02	<10	<10	15	<10	69		
G088600		<20	0.30	<10	<10	134	<10	64		
G088601		<20	0.30	<10	10	122	<10	51		
G088602		<20	0.12	<10	<10	65	<10	58		
G088603		<20	0.03	<10	<10	<1	<10	160		
G088604		<20	0.04	<10	<10	18	<10	50		
G088605		<20	0.02	<10	10	<1	<10	86		
G088606		<20	0.06	<10	10	10	<10	50		
G088607		<20	0.04	<10	<10	18	<10	45		
G088608		<20	0.04	<10	<10	25	<10	30		
G088609		<20	0.03	<10	<10	14	<10	64		
G088610		<20	0.06	<10	<10	36	<10	26		
G088611		<20	0.03	<10	<10	20	<10	34		
G088612		<20	0.08	<10	<10	56	<10	30		
G088613		<20	0.02	<10	<10	2	<10	16		
G088614		<20	0.13	<10	<10	66	<10	73		
G088615		<20	0.03	<10	10	<1	<10	72		
G088616		<20	0.10	<10	<10	73	<10	83		
G088617		<20	<0.01	<10	<10	8	<10	316	193	14.00
G088618		<20	0.17	<10	<10	56	<10	152		
G088619		<20	0.20	<10	<10	69	<10	282		
G088620		<20	0.10	<10	<10	26	<10	45		
G088621		<20	0.03	<10	<10	70	10	75		
G088622		<20	0.11	<10	<10	60	<10	30		
G088623		<20	0.09	<10	<10	51	<10	37		
G088624		<20	0.05	<10	10	<1	<10	76		
G088625		<20	0.07	<10	<10	30	<10	25		
G088626		<20	0.08	<10	<10	40	<10	29		
G088627		<20	0.08	<10	<10	45	<10	35		
G088628		<20	0.09	<10	<10	40	<10	16		
G088629		<20	0.04	<10	<10	25	<10	25		

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

Project: ARN

Finalized Date: 12-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08112835

Sample Description	Method	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G088630		1.94	0.123	0.2	1.49	242	<10	10	<0.5	<2	2.49	<0.5	20	15	973	12.55
G088631		1.54	0.110	<0.2	2.55	27	<10	10	<0.5	<2	2.93	<0.5	13	47	220	6.68
G088632		1.44	0.375	1.0	0.36	74	<10	<10	<0.5	4	0.96	<0.5	48	16	1580	17.1
G088633		1.12	0.693	1.2	0.57	10	<10	<10	<0.5	2	2.92	<0.5	84	19	2710	15.1
G088634		0.98	0.480	0.8	0.96	34	<10	<10	<0.5	<2	4.41	<0.5	4	21	823	8.74
G088635		1.00	0.798	2.4	1.65	5	<10	<10	<0.5	5	5.37	<0.5	73	12	3830	17.2

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CERTIFICATE OF ANALYSIS VA08112835

Sample Description	Method	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
	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
G088630		<10	1	0.01	<10	0.15	527	6	0.03	7	990	9	1.35	13	2	50
G088631		10	<1	0.02	<10	0.89	838	8	0.11	25	790	7	0.13	2	3	74
G088632		<10	<1	0.01	<10	0.13	251	8	0.01	8	1140	17	2.59	3	1	6
G088633		<10	1	<0.01	<10	0.06	504	1	0.01	14	630	13	4.28	<2	1	2
G088634		<10	<1	<0.01	<10	0.09	822	36	0.01	<1	950	9	0.42	<2	1	2
G088635		10	1	<0.01	<10	0.32	1045	2	0.02	58	450	13	4.09	<2	2	13

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Project: ARN

Finalized Date: 12-SEP-2008
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CERTIFICATE OF ANALYSIS VA08112835

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-OG46	Cu-OG46
	Analyte	Th	Ti	Tl	U	V	W	Zn	Ag	Cu
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	20	0.01	10	10	1	10	2	1	0.01
G088630		<20	0.05	<10	<10	27	<10	23		
G088631		<20	0.11	<10	<10	65	<10	27		
G088632		<20	0.04	<10	<10	17	<10	21		
G088633		<20	0.03	<10	<10	13	<10	29		
G088634		<20	0.04	<10	<10	18	<10	8		
G088635		<20	0.05	<10	<10	30	<10	37		

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Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE VA08108757

Project: ARN-2

P.O. No.:

This report is for 75 Soil samples submitted to our lab in Vancouver, BC, Canada on 7-AUG-2008.

The following have access to data associated with this certificate:

AL ARCHER BILL WENGZYNOWSKI	DOUG EATON	JOAN MARIACHER

SAMPLE PREPARATION

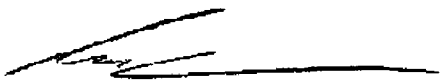
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Project: ARN-2

Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method	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
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC28901		0.32	<0.2	0.99	24	10	40	<0.5	2	24.8	0.5	10	14	55	1.60	<10
CC28902		0.30	<0.2	1.02	769	<10	30	<0.5	2	11.95	0.6	26	20	248	3.28	<10
CC28903		0.34	<0.2	1.51	123	10	120	<0.5	4	7.87	0.7	39	17	102	5.60	<10
CC28904		0.28	0.4	1.71	109	10	90	<0.5	4	7.92	1.1	37	30	250	5.70	<10
CC28905		0.28	0.4	3.30	30	10	130	0.5	5	5.32	0.6	36	22	148	5.37	10
CC28906		0.34	0.9	2.78	100	100	40	<0.5	<2	2.42	<0.5	72	90	696	11.60	10
CC28907		0.30	1.3	2.72	69	<10	30	<0.5	2	1.38	<0.5	76	48	996	13.45	10
CC28908		0.40	0.5	3.70	53	<10	40	0.5	<2	1.67	<0.5	55	48	337	6.08	10
CC28909		0.32	0.3	3.64	16	<10	50	<0.5	<2	1.49	<0.5	48	92	303	4.74	10
CC28910		0.28	0.3	3.29	29	<10	60	<0.5	<2	1.10	<0.5	35	30	314	9.20	10
CC28911		0.24	0.6	3.01	19	<10	20	<0.5	<2	1.50	<0.5	60	17	649	9.42	10
CC28912		0.26	0.3	3.34	115	<10	50	0.7	<2	1.24	<0.5	45	41	257	6.84	10
CC28913		0.26	0.2	2.97	167	<10	50	0.8	<2	1.10	<0.5	58	38	288	8.25	10
CC28914		0.28	0.4	4.13	57	<10	40	0.5	<2	1.71	<0.5	75	39	427	5.34	10
CC28915		0.30	0.3	4.38	62	<10	40	0.6	<2	2.20	<0.5	62	38	283	5.35	10
CC28916		0.32	0.4	4.10	73	<10	30	0.6	<2	2.13	<0.5	60	31	262	6.16	10
CC28917		0.30	0.7	4.29	33	<10	50	0.6	2	2.03	38.4	48	53	386	6.04	10
CC28918		0.30	0.6	3.78	36	<10	50	<0.5	<2	1.92	<0.5	66	42	322	6.44	10
CC28919		0.26	0.6	3.58	99	<10	30	<0.5	<2	1.48	<0.5	100	36	543	10.00	10
CC28920		0.38	0.4	2.86	226	<10	40	0.6	<2	1.45	<0.5	52	88	226	6.12	10
CC28921		0.28	0.5	2.85	227	<10	40	0.6	<2	2.95	0.8	68	156	302	7.62	10
CC28922		0.28	0.4	4.27	41	<10	40	0.5	<2	2.49	<0.5	47	121	201	4.37	10
CC28923		0.28	0.6	3.08	124	40	40	0.5	<2	3.31	<0.5	110	66	438	8.50	10
CC28924		0.26	0.2	0.33	8	20	80	<0.5	<2	>25.0	<0.5	5	3	32	0.79	<10
CC28925		0.28	0.5	1.86	78	250	30	<0.5	<2	11.80	0.9	30	33	180	3.17	<10
CC28926		0.28	0.4	3.94	57	<10	40	0.5	<2	2.61	<0.5	61	25	314	4.78	10
CC28927		0.26	0.8	3.91	91	<10	20	<0.5	2	1.88	<0.5	82	33	588	11.45	10
CC28928		0.30	0.2	1.48	26	10	20	0.6	<2	4.77	<0.5	37	3	401	5.90	<10
CC28929		0.36	0.4	4.14	142	<10	40	0.5	<2	2.70	<0.5	59	35	283	5.21	10
CC28930		0.30	0.5	3.53	87	<10	30	<0.5	<2	1.72	<0.5	66	50	285	6.64	10
CC28931		0.20	0.5	2.79	43	<10	20	0.5	<2	2.49	2.5	35	119	205	5.38	10
CC28932		0.26	0.4	2.81	261	<10	30	0.5	<2	1.62	<0.5	78	94	330	7.44	10
CC28933		0.28	0.3	3.02	129	<10	40	<0.5	<2	1.52	<0.5	56	48	252	6.67	10
CC28934		0.26	0.2	2.51	206	<10	30	0.5	<2	1.41	<0.5	42	60	162	5.00	10
CC28935		0.24	0.5	3.59	34	<10	70	<0.5	<2	1.66	<0.5	57	44	303	5.23	10
CC28936		0.28	0.5	3.46	33	<10	60	0.5	<2	1.40	<0.5	47	47	240	5.97	10
CC28937		0.24	0.3	3.67	60	<10	30	0.6	<2	1.94	<0.5	46	58	175	6.06	10
CC28938		0.26	0.4	0.57	32	30	20	<0.5	<2	>25.0	<0.5	26	6	110	2.00	<10
CC28939		0.30	0.3	0.55	21	10	20	<0.5	<2	25.0	<0.5	7	5	44	1.13	<10
CC28940		0.28	0.4	0.63	8	<10	10	<0.5	<2	24.9	<0.5	12	5	68	1.40	<10

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Project: ARN-2

Finalized Date: 8-SEP-2008
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CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
CC28901		<1	0.05	10	0.50	364	<1	0.04	19	1010	3	<0.01	2	2	696	<20
CC28902		9	0.06	10	0.32	546	2	0.03	46	1820	6	0.24	97	8	229	<20
CC28903		1	0.10	20	0.53	1450	2	0.02	23	900	7	0.18	21	7	150	<20
CC28904		2	0.11	10	0.67	1745	5	0.02	51	820	13	0.28	25	7	168	<20
CC28905		1	0.12	10	1.01	1665	4	0.02	28	700	11	0.18	30	6	192	<20
CC28906		<1	0.07	10	1.67	1925	10	0.05	117	780	6	0.29	5	5	157	<20
CC28907		<1	0.06	<10	0.88	1350	23	0.03	45	1910	13	0.38	2	7	138	<20
CC28908		<1	0.09	10	1.25	949	3	0.05	75	990	11	0.06	2	8	178	<20
CC28909		<1	0.09	<10	2.07	790	1	0.06	112	810	6	0.07	<2	5	157	<20
CC28910		1	0.12	<10	0.76	448	7	0.04	40	1760	7	0.25	<2	5	171	<20
CC28911		<1	0.08	<10	0.57	581	21	0.04	41	1300	10	0.20	<2	5	169	<20
CC28912		<1	0.13	10	0.82	1100	5	0.05	46	990	4	0.10	7	14	144	<20
CC28913		<1	0.14	20	0.75	1400	7	0.07	56	1030	3	0.15	7	16	154	<20
CC28914		<1	0.09	<10	1.03	1010	2	0.05	78	680	7	0.09	4	9	191	<20
CC28915		1	0.13	<10	1.00	835	2	0.05	62	730	11	0.16	3	7	165	<20
CC28916		<1	0.10	10	0.88	1005	4	0.05	63	780	7	0.25	<2	7	236	<20
CC28917		<1	0.09	10	1.94	3240	7	0.03	51	860	10	0.12	<2	12	144	<20
CC28918		<1	0.09	10	1.18	1230	4	0.04	51	820	7	0.12	5	10	218	<20
CC28919		<1	0.08	<10	1.02	909	4	0.05	93	850	10	0.35	4	8	237	<20
CC28920		2	0.08	10	1.05	1205	3	0.05	122	960	5	0.06	21	14	130	<20
CC28921		1	0.08	10	1.53	1420	4	0.03	225	940	18	0.13	17	19	124	<20
CC28922		1	0.13	10	1.71	1035	4	0.05	109	680	7	0.13	3	6	218	<20
CC28923		4	0.09	10	1.78	1420	7	0.03	109	770	6	1.01	11	9	147	<20
CC28924		<1	0.01	10	0.12	133	<1	0.03	13	280	2	<0.01	2	<1	753	<20
CC28925		<1	0.07	10	1.45	570	3	0.03	65	660	6	0.07	2	4	329	<20
CC28926		1	0.13	10	0.73	697	4	0.05	69	700	6	0.13	2	5	182	<20
CC28927		<1	0.12	<10	0.65	856	12	0.04	73	790	7	0.54	2	5	137	<20
CC28928		12	0.08	10	0.22	928	1	0.02	9	1110	4	0.29	6	23	134	<20
CC28929		1	0.12	<10	0.83	1140	4	0.09	77	790	5	0.14	4	6	242	<20
CC28930		<1	0.09	<10	1.16	809	3	0.08	64	810	7	0.13	6	7	212	<20
CC28931		2	0.08	<10	1.45	1005	1	0.02	86	690	2	0.06	3	19	110	<20
CC28932		2	0.08	10	0.98	1220	5	0.04	152	1080	4	0.17	260	13	139	<20
CC28933		<1	0.09	<10	1.09	760	3	0.11	50	960	5	0.12	9	7	169	<20
CC28934		1	0.09	10	0.81	1300	1	0.03	47	720	7	0.16	22	13	106	<20
CC28935		<1	0.09	10	1.27	1380	1	0.06	59	770	11	0.14	2	10	204	<20
CC28936		<1	0.09	10	1.27	1305	2	0.06	42	960	14	0.10	<2	10	178	<20
CC28937		1	0.09	<10	1.03	1150	1	0.04	47	810	5	0.06	4	16	157	<20
CC28938		<1	0.03	<10	0.32	251	<1	0.03	31	390	2	<0.01	2	1	548	<20
CC28939		<1	0.02	10	0.19	203	<1	0.03	18	420	2	<0.01	2	1	634	<20
CC28940		<1	0.02	10	0.20	174	<1	0.04	22	570	2	<0.01	<2	1	546	<20

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: ARN-2

Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
	Analyte	Ti	Tl	U	V	W	Zn	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2	0.001
CC28901		0.01	<10	10	21	<10	50	0.010
CC28902		<0.01	<10	<10	41	<10	101	0.013
CC28903		0.01	<10	<10	74	<10	110	0.022
CC28904		0.02	<10	<10	66	<10	168	0.046
CC28905		0.01	<10	<10	80	<10	92	0.054
CC28906		0.06	<10	<10	63	<10	78	0.085
CC28907		0.06	<10	<10	88	<10	46	0.088
CC28908		0.07	<10	<10	92	<10	86	0.056
CC28909		0.11	<10	<10	96	<10	83	0.174
CC28910		0.11	<10	<10	72	<10	37	0.118
CC28911		0.07	<10	<10	81	<10	42	0.104
CC28912		0.06	<10	<10	133	<10	67	0.060
CC28913		0.04	<10	<10	141	<10	80	0.070
CC28914		0.06	<10	<10	83	<10	77	0.077
CC28915		0.05	<10	<10	78	<10	56	0.034
CC28916		0.03	<10	<10	71	<10	111	0.045
CC28917		0.03	<10	<10	107	<10	2310	0.029
CC28918		0.04	<10	<10	107	<10	88	0.129
CC28919		0.06	<10	<10	82	<10	50	0.066
CC28920		0.06	<10	<10	110	<10	61	0.048
CC28921		0.05	<10	<10	125	<10	131	0.076
CC28922		0.05	<10	<10	85	<10	63	0.126
CC28923		0.04	<10	<10	86	<10	83	0.130
CC28924		0.01	<10	<10	3	<10	46	0.005
CC28925		0.04	<10	<10	38	<10	205	0.028
CC28926		0.05	<10	<10	64	<10	52	0.030
CC28927		0.07	<10	<10	76	<10	40	0.056
CC28928		0.01	<10	<10	121	<10	44	0.014
CC28929		0.05	<10	<10	73	<10	72	0.027
CC28930		0.06	<10	<10	92	<10	78	0.064
CC28931		0.02	<10	<10	104	<10	402	0.028
CC28932		0.05	<10	<10	102	<10	58	0.071
CC28933		0.10	<10	<10	111	<10	59	0.061
CC28934		0.03	<10	<10	85	<10	77	0.027
CC28935		0.08	<10	<10	90	<10	92	0.774
CC28936		0.05	<10	<10	103	<10	95	0.043
CC28937		0.05	<10	<10	123	<10	69	0.067
CC28938		0.01	<10	<10	10	<10	38	0.015
CC28939		0.01	<10	<10	6	<10	79	0.005
CC28940		0.02	<10	<10	6	<10	50	0.006

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: ARN-2

Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method	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
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOR	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC28941		0.24	0.4	2.79	55	60	70	<0.5	<2	5.25	<0.5	35	55	212	4.12	10
CC28942		0.24	<0.2	1.05	20	<10	20	<0.5	<2	24.0	<0.5	23	13	200	2.33	<10
CC28943		0.26	0.2	1.57	36	<10	40	<0.5	3	20.7	0.8	21	33	165	2.74	<10
CC28944		0.24	<0.2	1.21	80	10	40	<0.5	2	22.7	0.6	28	25	165	2.56	<10
CC28945		0.30	1.5	2.11	53	<10	20	0.5	6	2.88	1.9	87	12	825	9.91	10
CC28946		0.24	0.3	2.85	103	<10	100	0.5	5	6.83	0.5	23	33	104	4.52	<10
CC28947		0.30	53.0	1.43	178	<10	20	<0.5	15	2.08	3.2	162	67	5950	29.4	20
CC28948		0.32	1.3	4.14	70	<10	50	<0.5	7	1.83	1.1	116	156	366	8.96	10
CC28949		0.30	0.6	3.66	114	30	30	<0.5	8	8.39	1.0	88	41	347	6.09	10
CC28950		0.30	0.2	3.79	31	<10	70	<0.5	6	1.95	<0.5	31	117	150	3.67	10
CC28951		0.26	<0.2	0.77	18	70	30	<0.5	2	23.8	0.5	16	12	103	1.93	<10
CC28952		0.24	<0.2	0.53	10	10	20	<0.5	<2	>25.0	<0.5	7	8	41	1.06	<10
CC28953		0.26	<0.2	0.52	4	<10	10	<0.5	2	>25.0	<0.5	6	6	31	0.77	<10
CC28954		0.32	1.8	2.32	74	20	50	<0.5	7	3.59	1.7	115	55	1065	11.60	20
CC28955		0.28	<0.2	1.24	52	<10	40	<0.5	2	20.6	0.6	22	32	146	2.88	<10
CC28956		0.34	<0.2	0.67	13	<10	20	<0.5	3	23.3	<0.5	17	11	119	1.46	<10
CC28957		0.28	<0.2	1.38	28	<10	30	<0.5	4	17.7	<0.5	20	21	197	1.88	<10
CC28958		0.26	0.2	2.38	24	30	30	<0.5	4	5.47	0.8	40	27	280	4.12	<10
CC28959		0.26	<0.2	3.43	65	<10	60	0.5	<2	2.08	1.9	371	72	1510	10.60	10
CC28960		0.30	0.3	1.29	43	<10	20	<0.5	2	21.0	<0.5	97	29	824	9.36	<10
CC28961		0.28	<0.2	3.99	23	<10	80	<0.5	<2	1.38	<0.5	47	85	219	7.95	10
CC28962		0.30	0.7	2.33	37	<10	60	<0.5	4	9.26	0.5	108	59	1230	18.5	10
CC28963		0.30	<0.2	3.78	28	<10	70	0.7	2	1.10	<0.5	36	139	158	5.16	10
CC28964		0.36	0.4	3.30	48	<10	70	0.7	7	1.02	0.5	54	36	306	5.18	10
CC28965		0.44	0.2	4.90	44	<10	50	0.8	6	3.00	<0.5	36	27	197	4.03	10
CC28966		0.48	<0.2	3.61	35	<10	30	1.1	4	4.00	<0.5	26	25	128	4.42	10
CC28967		0.36	1.0	4.49	86	<10	60	0.7	8	2.12	0.8	80	31	479	6.31	10
CC28968		0.30	0.4	4.12	57	<10	40	0.8	6	1.81	<0.5	48	32	233	4.77	10
CC28969		0.28	0.4	3.51	47	<10	110	0.7	6	0.80	0.5	52	37	322	5.13	10
CC28970		0.34	0.4	2.79	55	<10	100	0.9	6	0.54	0.6	39	65	132	6.31	10
CC28971		0.26	0.2	2.98	38	<10	120	0.5	7	0.65	0.5	55	35	474	5.20	10
CC28972		0.32	0.3	3.06	32	<10	70	<0.5	6	0.61	<0.5	32	90	150	3.77	10
CC28973		0.30	0.3	3.24	24	<10	110	0.6	7	0.56	<0.5	25	42	87	4.13	10
CC28974		0.26	0.3	2.80	32	<10	100	0.5	6	0.74	0.5	32	37	206	4.06	10
CC28975		0.32	0.3	3.08	19	<10	110	0.6	7	0.58	<0.5	22	36	94	3.86	10

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: ARN-2

Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method	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
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC28941		<1	0.12	10	1.43	947	1	0.09	62	1010	5	0.09	8	6	208	<20
CC28942		<1	0.03	10	0.32	422	3	0.03	20	630	4	<0.01	<2	1	818	<20
CC28943		1	0.05	10	0.90	462	2	0.04	36	1210	5	<0.01	<2	3	572	<20
CC28944		<1	0.04	10	0.63	395	2	0.03	34	850	3	<0.01	2	3	575	<20
CC28945		<1	0.06	10	0.43	1415	30	0.04	60	1510	16	0.42	2	9	289	<20
CC28946		<1	0.10	10	0.78	1395	4	0.05	26	920	7	0.09	<2	11	301	<20
CC28947		<1	0.05	<10	0.51	1325	16	0.04	70	1610	26	0.37	2	3	42	<20
CC28948		<1	0.13	10	1.79	2530	9	0.06	219	880	13	0.42	2	9	209	<20
CC28949		<1	0.07	10	1.20	1125	12	0.05	79	730	14	0.20	4	6	286	<20
CC28950		1	0.19	10	1.95	567	5	0.05	95	800	9	0.05	<2	6	209	<20
CC28951		<1	0.03	10	0.48	292	<1	0.02	28	630	3	<0.01	3	1	543	<20
CC28952		<1	0.02	10	0.20	194	<1	0.02	18	450	<2	<0.01	<2	1	568	<20
CC28953		<1	0.02	10	0.24	224	<1	0.03	13	460	<2	<0.01	<2	<1	471	<20
CC28954		<1	0.06	10	0.98	1890	8	0.05	84	1020	14	0.08	5	5	117	<20
CC28955		1	0.03	10	0.75	749	2	0.03	32	570	4	<0.01	4	4	353	<20
CC28956		<1	0.04	10	0.45	270	<1	0.02	15	760	<2	<0.01	<2	1	683	<20
CC28957		<1	0.04	10	0.60	395	1	0.03	26	670	3	<0.01	<2	2	403	<20
CC28958		<1	0.06	10	0.91	766	3	0.03	28	970	7	0.12	<2	3	171	<20
CC28959		<1	0.05	<10	0.97	3190	3	0.03	273	920	4	0.16	<2	18	83	<20
CC28960		<1	0.09	<10	0.50	1275	11	0.04	69	290	3	0.8	<2	4	173	<20
CC28961		1	1.14	<10	3.97	924	<1	0.02	63	560	6	0.11	<2	14	33	<20
CC28962		1	0.25	<10	1.03	1250	7	0.05	97	440	7	0.59	<2	6	93	<20
CC28963		1	0.11	10	2.29	1040	1	0.05	89	940	6	0.05	<2	13	120	<20
CC28964		<1	0.14	10	1.16	861	5	0.05	65	1060	13	0.05	<2	8	151	<20
CC28965		<1	0.16	10	0.82	752	5	0.02	36	920	11	0.02	<2	9	215	<20
CC28966		<1	0.12	10	0.75	778	4	0.01	27	800	9	0.06	2	11	144	<20
CC28967		<1	0.18	10	1.18	1440	10	0.03	62	780	22	0.09	3	11	208	<20
CC28968		1	0.16	10	1.04	823	5	0.04	56	1020	15	0.04	<2	7	213	<20
CC28969		<1	0.13	10	1.13	879	6	0.06	71	1170	13	0.07	<2	6	187	<20
CC28970		<1	0.13	20	1.10	1430	7	0.05	70	1280	12	0.05	2	10	61	<20
CC28971		<1	0.08	10	1.00	750	9	0.05	65	1060	13	0.07	<2	5	77	<20
CC28972		1	0.09	10	1.39	489	3	0.06	78	760	8	0.07	<2	2	53	<20
CC28973		1	0.09	10	1.05	818	3	0.03	41	1090	11	0.08	<2	4	48	<20
CC28974		<1	0.08	10	1.03	863	3	0.04	43	1140	10	0.07	<2	4	61	<20
CC28975		<1	0.08	10	0.89	663	3	0.03	35	1270	11	0.10	<2	4	50	<20

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: ARN-2

Finalized Date: 8-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108757

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
	Analyte	Ti	Tl	U	V	W	Zn	Au
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2	0.001
CC28941		0.10	<10	<10	75	<10	90	0.024
CC28942		0.02	<10	10	19	<10	42	0.042
CC28943		0.04	<10	<10	40	<10	73	0.196
CC28944		0.03	<10	10	34	<10	64	0.020
CC28945		0.06	<10	<10	105	<10	104	0.023
CC28946		0.02	<10	<10	76	<10	63	0.016
CC28947		0.08	10	<10	57	<10	183	7.45
CC28948		0.09	<10	<10	104	<10	86	0.082
CC28949		0.08	<10	<10	85	<10	95	0.030
CC28950		0.11	<10	<10	82	<10	67	0.028
CC28951		0.02	<10	10	17	<10	79	0.041
CC28952		0.02	<10	10	8	<10	62	0.006
CC28953		0.01	<10	10	7	<10	28	0.004
CC28954		0.07	<10	<10	77	<10	95	0.347
CC28955		0.03	<10	10	44	<10	50	0.032
CC28956		0.02	<10	10	15	<10	30	0.023
CC28957		0.03	<10	<10	30	<10	70	0.137
CC28958		0.05	<10	<10	74	<10	96	0.069
CC28959		0.09	<10	<10	81	<10	329	0.128
CC28960		0.10	<10	10	52	<10	82	0.552
CC28961		0.37	<10	<10	224	<10	97	0.047
CC28962		0.20	<10	<10	88	<10	107	1.635
CC28963		0.14	<10	<10	126	<10	87	0.020
CC28964		0.10	<10	<10	90	<10	98	0.030
CC28965		0.04	<10	<10	81	<10	70	0.029
CC28966		0.02	<10	<10	82	<10	65	0.017
CC28967		0.04	<10	<10	93	<10	99	0.214
CC28968		0.08	<10	<10	93	<10	77	0.036
CC28969		0.11	<10	<10	94	<10	90	0.043
CC28970		0.06	<10	<10	110	<10	75	0.013
CC28971		0.10	<10	<10	95	<10	88	0.611
CC28972		0.11	<10	<10	80	<10	69	0.008
CC28973		0.12	<10	<10	105	<10	86	0.007
CC28974		0.10	<10	<10	97	<10	83	0.028
CC28975		0.10	<10	<10	94	<10	77	0.007

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To: ATAC RESOURCES LTD.
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-SEP-2008
Account: RCM

CERTIFICATE VA08108756

Project: ARN-2

P.O. No.:

This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-AUG-2008.

The following have access to data associated with this certificate:

AL ARCHER BILL WENGZYNOWSKI	DOUG EATON	JOAN MARIACHER

SAMPLE PREPARATION

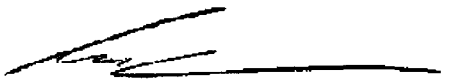
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: AL ARCHER
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: RCM

CERTIFICATE OF ANALYSIS VA08108756

Sample Description	Method	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G088636		1.52	0.218	<0.2	4.49	5	<10	50	<0.5	<2	3.95	1.0	17	80	75	4.70
G088637		2.72	0.116	<0.2	3.73	5	<10	20	<0.5	<2	5.26	1.0	12	56	185	5.13
G088638		1.90	0.274	<0.2	2.45	4	<10	30	<0.5	4	4.86	1.0	47	58	856	12.15
G088639		1.36	0.124	0.2	2.45	4	<10	<10	<0.5	<2	5.20	1.1	22	44	471	6.72
G088640		1.70	0.065	<0.2	2.67	5	<10	10	<0.5	2	5.80	1.0	38	49	812	14.9
G088641		1.82	2.12	0.6	1.45	5	<10	<10	<0.5	9	2.83	0.7	25	13	823	28.1
G088642		1.00	0.023	0.2	1.33	14	<10	<10	<0.5	4	15.9	0.9	20	33	494	9.01
G088643		1.62	0.193	1.6	1.55	31	<10	<10	<0.5	3	11.90	1.0	33	32	2290	9.91
G088644		1.38	1.205	8.9	0.52	13	<10	<10	<0.5	19	12.75	1.0	96	44	>10000	19.6
G088645		0.82	0.010	<0.2	1.33	10	<10	<10	<0.5	2	8.48	0.8	43	19	28	17.6
G088646		1.12	3.67	57.5	1.04	10	<10	<10	<0.5	3	7.32	3.4	33	33	>10000	9.45
G088647		1.08	0.540	1.5	0.39	323	<10	<10	<0.5	6	3.62	0.8	12	15	639	35.0
G088648		1.20	0.029	<0.2	0.79	27	<10	<10	<0.5	<2	7.90	1.0	12	26	147	6.45
G088649		0.46	0.051	<0.2	0.45	43	<10	<10	0.7	4	0.97	<0.5	30	6	45	>50
G088650		1.28	0.258	4.1	1.23	32	<10	<10	<0.5	21	5.86	0.7	17	25	5170	34.6
G088651		0.84	0.009	<0.2	1.89	<2	<10	20	<0.5	2	1.55	1.1	14	6	180	4.59
G088652		1.34	0.023	0.3	1.04	32	<10	20	<0.5	2	1.03	1.1	18	13	462	5.21
G088653		1.14	0.035	0.2	0.93	<2	<10	30	<0.5	2	0.89	1.1	34	2	559	6.40

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Project: ARN-2

Finalized Date: 3-SEP-2008
Account: RCM

CERTIFICATE OF ANALYSIS VA08108756

Sample Description	Method	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
	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
G088636		10	1	0.46	<10	1.01	680	<1	0.32	39	490	2	0.27	<2	13	127
G088637		10	1	0.13	<10	0.34	1435	6	0.19	12	520	<2	0.50	<2	10	93
G088638		10	1	0.23	<10	0.42	1825	<1	0.13	30	490	2	3.35	<2	12	18
G088639		10	1	0.02	<10	0.21	1305	2	0.10	14	700	<2	1.61	<2	10	54
G088640		10	2	0.02	<10	0.25	1560	<1	0.08	31	530	2	2.39	<2	11	49
G088641		10	<1	0.02	<10	0.25	1375	<1	0.02	14	560	<2	2.45	<2	3	16
G088642		10	2	0.01	<10	0.47	2970	<1	0.01	17	1690	2	<0.01	<2	3	32
G088643		10	1	0.01	<10	0.89	2310	2	0.01	29	1090	3	1.45	<2	3	70
G088644		10	<1	<0.01	<10	0.45	1265	<1	0.01	20	1750	<2	4.14	<2	2	68
G088645		10	<1	<0.01	<10	1.06	1780	<1	0.01	24	240	2	2.72	3	2	31
G088646		<10	1	<0.01	<10	0.93	1325	<1	0.01	74	360	<2	3.84	<2	4	41
G088647		10	1	0.01	<10	0.28	1175	<1	0.01	21	220	24	9.87	9	1	23
G088648		<10	<1	0.01	<10	0.55	1585	<1	0.02	6	440	<2	4.60	<2	2	43
G088649		20	1	0.01	<10	0.31	570	<1	0.01	52	130	<2	5.40	3	1	5
G088650		10	<1	0.01	<10	0.75	2140	<1	0.02	33	520	2	0.84	7	3	29
G088651		<10	<1	0.11	10	0.39	262	1	0.33	9	810	<2	1.45	<2	3	164
G088652		<10	1	0.11	10	0.39	153	4	0.16	9	1160	2	2.13	<2	4	53
G088653		<10	<1	0.10	10	0.26	85	3	0.17	15	1340	<2	4.08	<2	3	55

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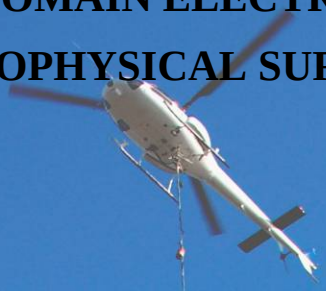
CERTIFICATE OF ANALYSIS VA08108756

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Cu-OG46 Cu % 0.01
G088636		<20	0.30	<10	<10	158	<10	55	
G088637		<20	0.28	<10	<10	135	<10	28	
G088638		<20	0.23	<10	<10	122	<10	61	
G088639		<20	0.21	<10	<10	109	<10	25	
G088640		<20	0.20	<10	<10	116	<10	45	
G088641		<20	0.08	<10	<10	65	<10	49	
G088642		<20	0.04	<10	<10	39	10	40	
G088643		<20	0.03	<10	<10	54	10	51	
G088644		<20	0.03	<10	<10	29	<10	51	1.41
G088645		<20	0.01	<10	<10	44	<10	44	
G088646		<20	0.02	<10	<10	27	<10	178	7.37
G088647		<20	0.01	<10	<10	37	10	20	
G088648		<20	0.06	<10	<10	24	50	25	
G088649		<20	0.01	<10	<10	34	<10	23	
G088650		<20	0.03	<10	<10	47	10	43	
G088651		<20	0.19	<10	<10	68	<10	17	
G088652		<20	0.23	<10	<10	82	<10	9	
G088653		<20	0.22	<10	<10	75	<10	9	

APPENDIX V

REPORT ON A HELICOPTER-BORNE VERSATILE TIME DOMAIN ELECTROMAGNETIC (VTEM) GEOPHYSICAL SURVEY

REPORT ON A HELICOPTER-BORNE VERSATILE TIME DOMAIN ELECTROMAGNETIC (VTEM) GEOPHYSICAL SURVEY



ARN Project

Yukon, Canada

For:

ARCHER CATHRO & ASSOCIATES LTD.

By

Geotech Ltd.

245 Industrial Parkway North

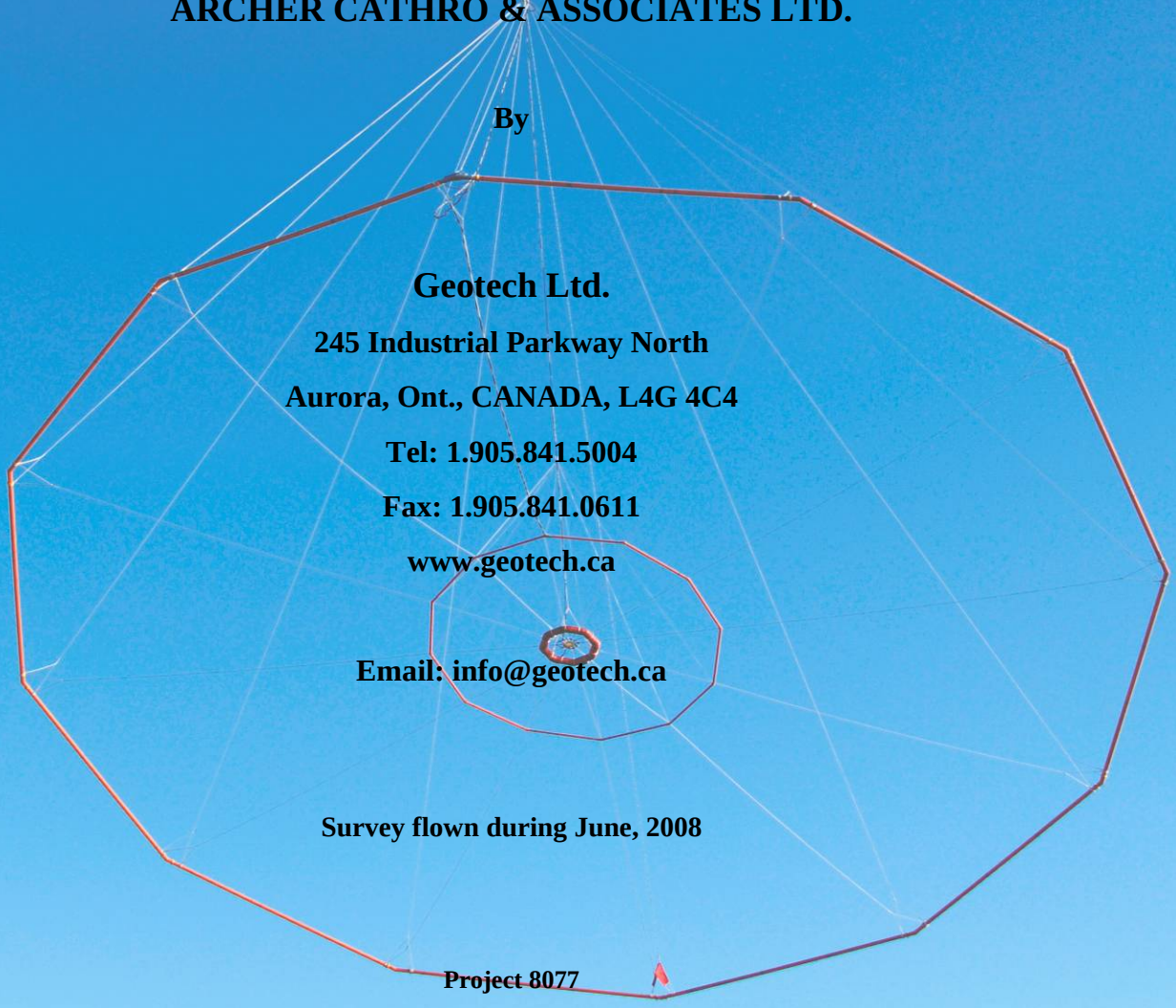
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Survey flown during June, 2008

Project 8077

November, 2008

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REPORT ON A HELICOPTER-BORNE VERSATILE TIME DOMAIN ELECTROMAGNETIC SURVEY

ARN Project
Yukon, Canada

Executive Summary

During June 16th to June 22nd, 2008 Geotech Ltd. carried out a helicopter-borne geophysical survey for Archer Cathro & Associates Ltd. over one (1) block of the ARN Project situated in the Yukon, Canada.

Principal geophysical sensors included a versatile time domain electromagnetic (VTEM) system, and a caesium magnetometer. Ancillary equipment included a GPS navigation system and a radar altimeter. A total of 221 line-kilometres were flown.

The survey operations were based out of Dawson City, Yukon. In-field data quality assurance and preliminary processing were carried out on a daily basis during the acquisition phase. Preliminary and final data processing, including generation of final digital data and map products were undertaken from the office of Geotech Ltd. in Aurora, Ontario.

The processed survey results are presented as electromagnetic stacked profiles, and as a colour grid of the B-field EM late time channels and total magnetic intensity.

Digital data includes all electromagnetic and magnetic products, plus ancillary data including the waveform.

The survey report describes the procedures for data acquisition, processing, final image presentation and the specifications for the digital data set. No formal interpretation is included.

1. INTRODUCTION

1.1 General Considerations

These services are the result of the Agreement made between Geotech Ltd. and Archer Cathro & Associates Ltd. to perform a helicopter-borne geophysical survey one (1) block on the ARN property located near Dawson City, Yukon, Canada (Figure 1).

Matthew Dumala acted on behalf of Archer Cathro & Associates Ltd. during the data acquisition and data processing phases of this project.

The geophysical surveys consisted of helicopter borne EM using the versatile time-domain electromagnetic (VTEM) system and aeromagnetics using a caesium magnetometer. A total of 221 line-km of geophysical data were acquired during the survey. The survey area is shown in Figure 2.

The crew was based out of Dawson City, Yukon for the acquisition phase of the survey. Survey flying started on June 16th and was completed on June 22nd, 2008

Data quality control and quality assurance, and preliminary data processing were carried out on a daily basis during the acquisition phase of the project. Final data processing followed immediately after the end of the survey. Final reporting, data presentation and archiving were completed from the Aurora office of Geotech Ltd. in November, 2008.

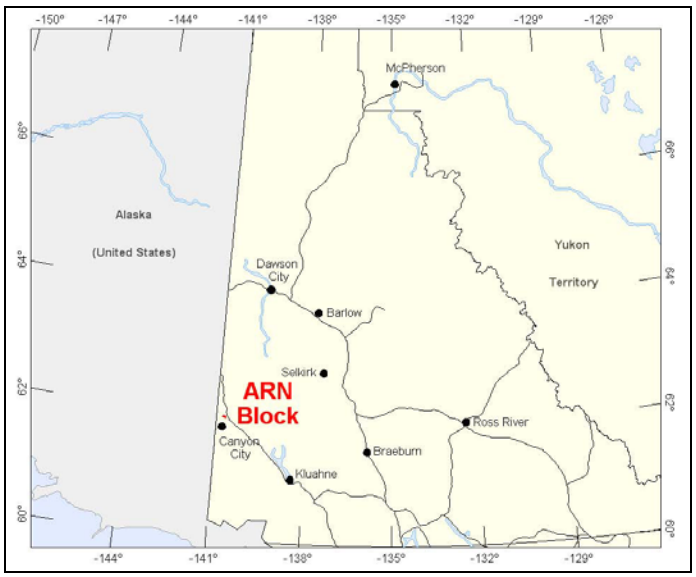


Figure 1 - Property Location

1.2 Survey Location and Specifications

The ARN block (61°58'38.51"N, 140°43'52.39"W) is located approximately 240 kilometres south-west of Dawson City, Yukon, the base of operations for the survey.

The survey blocks were flown in a N 0° E direction with a traverse line spacing of 100 metres, as depicted in Figure 2. Tie lines were flown perpendicular to the traverse lines at a spacing of 950 metres in the direction of N 90° E. For more detailed information on the flight spacing and direction see Table 1.

1.3 Topographic Relief and Cultural Features

Topographically, the property exhibits high relief, with elevations ranging from 1233 to 2080 metres above sea level (see Figure 2). There are a number of small rivers and streams that run throughout the block. There are no roads leading to the block, making it accessible only by air. The survey block is covered by NTS (National Topographic Survey) of Canada sheets 115K02 and 115F15.

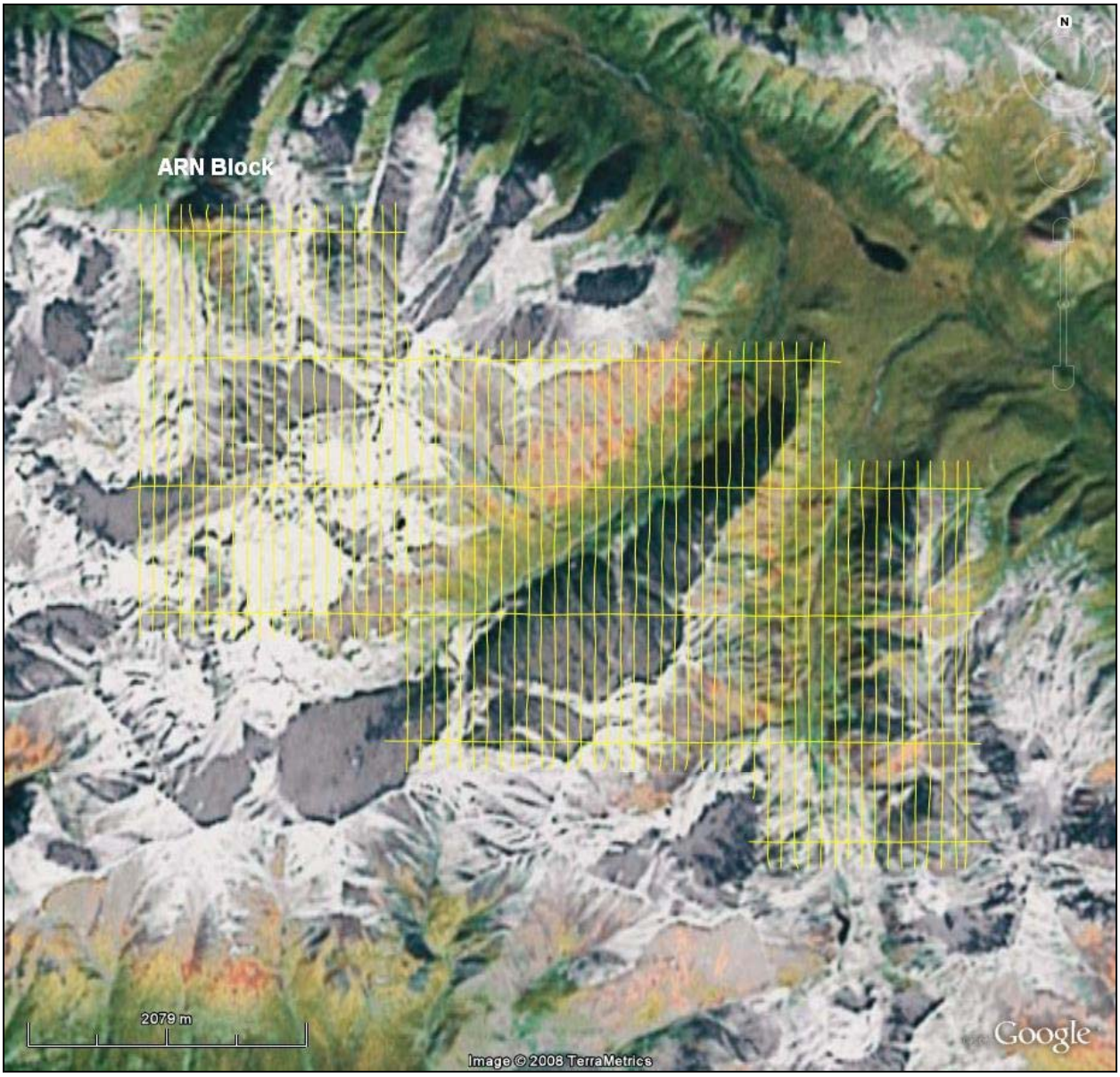


Figure 2 - Google Earth Image with Flight Paths

2. DATA ACQUISITION

2.1 Survey Area

The survey block (see Location map, Figure 2) and general flight specifications are as follows:

Table 1 - Survey blocks

Survey block	Line spacing (m)	Area (Km^2)	Planned Line-km	Actual Line-km[1]	Flight direction	Line number
ARN	Traverse: 100	20	195	204	N 0°E	L1500 – L2120
	Tie: 950		28	26	N 90°E	T2200 – T2250
TOTAL		20	221	230		

Survey block boundaries co-ordinates are provided in Appendix B.

2.2 Survey Operations

Survey operations were based out of Dawson City, Yukon from June 16th to June 22nd, 2008. The following table summarizes the daily progress and timing of the flying.

Table 2 - Survey schedule

Date	Flight #	Flown km	Block	Crew location	Comments
16-June-08	19	9	ARN	Dawson City, Yukon	Production aborted – bird hit mountain, damaged
17-June-08				Dawson City, Yukon	No production – awaiting spares for bird
18-June-08				Dawson City, Yukon	No production – awaiting spares for bird
19-June-08				Dawson City, Yukon	No production – awaiting spares (delayed) for bird
20-June-08				Dawson City, Yukon	No production – bird repaired
21-June-08	20, 21	123	ARN	Dawson City, Yukon	Production
22-June-08	22 - 24	98	ARN	Dawson City, Yukon	Job Completed

[1]NOTE: Actual line-km represents the total line-km contained in the final databases. These line-km normally exceed the Planned line-km, as indicated in the survey NAV files.

2.3 Flight Specifications

The helicopter maintained a mean height of 72 metres above the ground with a nominal survey speed of 80 km/hour. This allowed for a nominal EM sensor terrain clearance of 36 metres and a magnetic sensor clearance of 59 metres. The data recording rates of the data acquisition was 0.1 second for electromagnetics, magnetometer and 0.2 second for altimeter and GPS. This translates to a geophysical reading about every 2 metres along flight track. Navigation was assisted by a CDGPS receiver and data acquisition system, which reports GPS co-ordinates as latitude/longitude and directs the pilot over a pre-programmed survey flight path.

The operator was responsible for monitoring of the system integrity. He also maintained a detailed flight log during the survey, tracking the times of the flight as well as any unusual geophysical or topographic feature.

On return of the aircrew to the base camp the survey data was transferred from a compact flash card (PCMCIA) to the data processing computer. The data were then uploaded via ftp to the Geotech office in Aurora for daily quality assurance and quality control by qualified personnel, operating remotely.

2.4 Aircraft and Equipment

2.4.1 Survey Aircraft

The survey was flown using a Eurocopter Aerospatiale (Astar) 350 B3 helicopter, registration C-GTRK. The helicopter was operated by TRK Helicopters Ltd. Installation of the geophysical and ancillary equipment was carried out by Geotech Ltd.

2.4.2 Electromagnetic System

The electromagnetic system was a Geotech Time Domain EM (VTEM) system. The configuration is as indicated in Figure 3 below.

Receiver and transmitter coils are concentric and Z-direction oriented. The coils were towed at a mean distance of 35 metres below the aircraft as shown in Figure 5. The receiver decay recording scheme is shown diagrammatically in Figure 4.

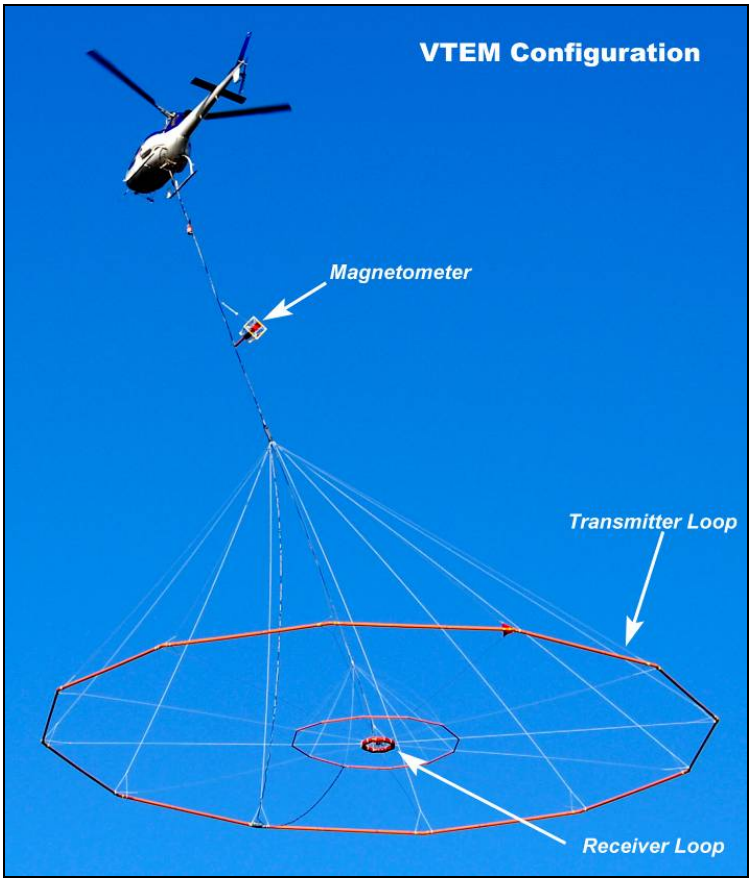


Figure 3 - VTEM Configuration

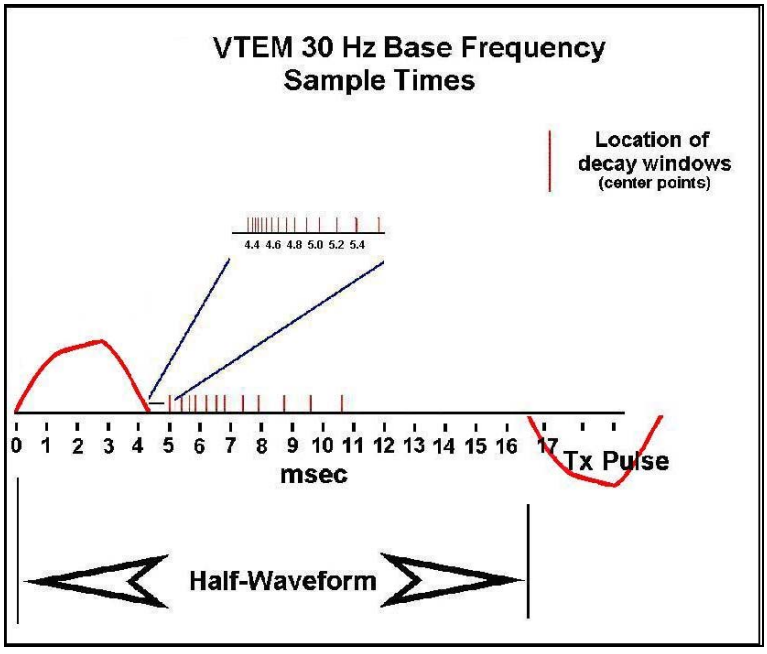


Figure 4 – VTEM Short Pulse Waveform & Sample Times

The VTEM decay sampling scheme is shown in Table 3 below. Twenty six measurement gates (ch 10-35) were used for the final data processing in the range from 120 ms to 9245ms, as shown in Table 5.

Table 3 – Decay Sampling Scheme

VTEM Decay Sampling scheme				
Array Index	(Microseconds)			
	Time Gate	Start	End	Width
0	0			
1	10	10	21	11
2	21	16	26	11
3	31	26	37	11
4	42	37	47	11
5	52	47	57	10
6	62	57	68	11
7	73	68	78	11
8	83	78	91	13
9	99	91	110	19
10	120	110	131	21
11	141	131	154	24
12	167	154	183	29
13	198	183	216	34
14	234	216	258	42
15	281	258	310	53
16	339	310	373	63
17	406	373	445	73
18	484	445	529	84
19	573	529	628	99
20	682	628	750	123
21	818	750	896	146
22	974	896	1063	167
23	1151	1063	1261	198
24	1370	1261	1506	245
25	1641	1506	1797	292
26	1953	1797	2130	333
27	2307	2130	2526	396
28	2745	2526	3016	490
29	3286	3016	3599	583
30	3911	3599	4266	667
31	4620	4266	5058	792
32	5495	5058	6037	979
33	6578	6037	7203	1167
34	7828	7203	8537	1334
35	9245	8537	10120	1584

VTEM system parameters:

Transmitter Section
- Transmitter coil diameter: 26 m
- Number of turns: 4
- Transmitter base frequency: 30 Hz
- Peak current: 262 A
- Pulse width: 4.2 ms
- Pulse width: Duty cycle: 25%
- Peak dipole moment: 556,400 nIA
- Nominal terrain clearance: 36 m

Receiver Section
- Receiver coil diameter: 1.2 m
- Number of turns: 100.
- Effective coil area: 113.1 m^2
- Wave form shape: trapezoid
- Power Line Monitor: 60 Hz

Magnetometer
- Nominal terrain clearance: 59 m

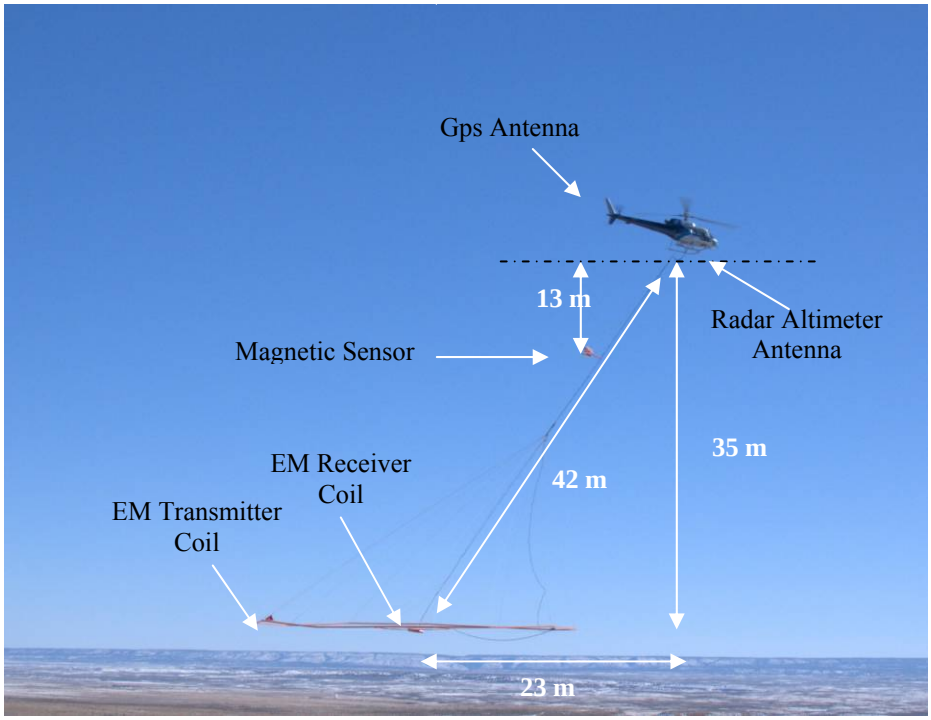


Figure 5 - VTEM system configuration

2.4.3 Airborne magnetometer

The magnetic sensor utilized for the survey was a Geometrics optically pumped caesium vapour magnetic field sensor, mounted in a separate bird, 13 metres below the helicopter, as shown in Figure 5. The sensitivity of the magnetic sensor is 0.02 nanoTesla (nT) at a sampling interval of 0.1 seconds. The magnetometer sends the measured magnetic field strength as nanoTesla to the data acquisition system via the RS-232 port.

2.4.4 Radar Altimeter

A Terra TRA 3000/TRI 40 radar altimeter was used to record terrain clearance. The antenna was mounted beneath the bubble of the helicopter cockpit (Figure 5).

2.4.5 GPS Navigation System

The navigation system used was a Geotech PC104 based navigation system utilizing a NovAtel's CDGPS (Canada-Wide Differential Global Positioning System Correction Service) enable OEM4-G2-3151W GPS receiver, Geotech navigate software, a full screen display with controls in front of the pilot to direct the flight and an NovAtel GPS antenna mounted on the helicopter tail (Figure 5). As many as 11 GPS and two CDGPS satellites may be monitored at any one time. The positional accuracy or circular error probability (CEP) is 1.8 m, with CDGPS active, it is 1.0 m. The co-ordinates of the block were set-up prior to the survey and the information was fed into the airborne navigation system.

2.4.6 Digital Acquisition System

A Geotech data acquisition system recorded the digital survey data on an internal compact flash card. Data is displayed on an LCD screen as traces to allow the operator to monitor the integrity of the system. The data type and sampling interval as provided in Table 4.

Table 4 – Acquisition Sampling Rates

DATA TYPE	SAMPLING
TDEM	0.1 sec
Magnetometer	0.1 sec
GPS Position	0.2 sec
Radar Altimeter	0.2 sec

2.4.7 Base Station

A combined magnetometer/GPS base station was utilized on this project. A Geometrics Caesium vapour magnetometer was used as a magnetic sensor with a sensitivity of 0.001 nT. The base station was recording the magnetic field together with the GPS time at 1 Hz on a base station computer.

The base station magnetometer sensor was installed 100 metres behind the Trans North Helipad, close to the riverbank, in Dawson City, Yukon (64°03'02.8"N, 139°25'50.2"W), away from electric transmission lines and moving ferrous objects such as motor vehicles. The base station data were backed-up to the data processing computer at the end of each survey day.

3. PERSONNEL

The following Geotech Ltd. personnel were involved in the project.

Field:

Project Manager:	Les Moschuk (office)
Data QC/QA:	Nick Venter (office)
Crew chief:	Colin Lennox
System Operator:	Eric MacNeill

The survey pilot and the mechanical engineer were employed directly by the helicopter operator – TRK Helicopters Ltd.

Pilot:	Roy Stevenson
Mechanical Engineer:	Andrew Hawkins

Office:

Preliminary Data Processing:	Nick Venter
Final Data Processing:	Neil Fiset
Mapping/Reporting:	Kyle Orlowski

Data acquisition phase was carried out under the supervision of Andrei Bagrianski, P. Geo, Surveys Manager. Processing phase was carried out under the supervision of Jean Legault, P. Geo, Manager of Processing and Interpretation. The overall contract management and customer relations were by Paolo Berardelli.

4. DATA PROCESSING AND PRESENTATION

Data compilation and processing were carried out by the application of Geosoft OASIS Montaj and programs proprietary to Geotech Ltd.

4.1 Flight Path

The flight path, recorded by the acquisition program as WGS 84 latitude/longitude, was converted into the NAD83 Datum, UTM Zone 7 North coordinate system in Oasis Montaj.

The flight path was drawn using linear interpolation between x, y positions from the navigation system. Positions are updated every second and expressed as UTM easting's (x) and UTM northing's (y).

4.2 Electromagnetic Data

A three stage digital filtering process was used to reject major sferic events and to reduce system noise. Local sferic activity can produce sharp, large amplitude events that cannot be removed by conventional filtering procedures. Smoothing or stacking will reduce their amplitude but leave a broader residual response that can be confused with geological phenomena. To avoid this possibility, a computer algorithm searches out and rejects the major sferic events. The filter used was a 16 point non-linear filter.

The signal to noise ratio was further improved by the application of a low pass linear digital filter. This filter has zero phase shift which prevents any lag or peak displacement from occurring, and it suppresses only variations with a wavelength less than about 1 second or 15 metres. This filter is a symmetrical 1 sec linear filter.

The results are presented as stacked profiles of EM voltages for the time gates, in linear - logarithmic scale for both B-field and dB/dt response. B-field time channel recorded at 1.641 milliseconds after the termination of the impulse is also presented as contour colour image.

Graphical representations of the VTEM transmitter current waveform output voltage of the receiver coil are shown in Appendix C.

Generalized modeling results of VTEM data, written by consultant Roger Barlow and Nasreddine Bournas, P. Geo., are shown in Appendix E.

4.3 Magnetic Data

The processing of the magnetic data involved the correction for diurnal variations by using the digitally recorded ground base station magnetic values. The base station magnetometer data was edited and merged into the Geosoft GDB database on a daily basis. The aeromagnetic data was corrected for diurnal variations by subtracting the observed magnetic base station deviations.

Tie line levelling was carried out by adjusting intersection points along traverse lines. A micro-levelling procedure was applied to remove persistent low-amplitude components of flight-line noise remaining in the data.

The corrected magnetic data was interpolated between survey lines using a random point gridding method to yield x-y grid values for a standard grid cell size of approximately 0.2 cm at the mapping scale. The Minimum Curvature algorithm was used to interpolate values onto a rectangular regular spaced grid.

5. DELIVERABLES

5.1 Survey Report

The survey report describes the data acquisition, processing, and final presentation of the survey results.

The survey report is provided in two paper copies and digitally in PDF format.

5.2 Maps

Final maps were produced at scale of 1:10,000. The coordinate/projection system used was NAD 83, UTM Zone 7 North. All maps show the flight path trace and topographic data; latitude and longitude are also noted on maps.

The preliminary and final results of the survey are presented as EM profiles, a late-time gate gridded EM channel, and color magnetic TMI contour maps. The following maps are presented on paper;

- VTEM B-field profiles, Time Gates 0.234 – 9.245 ms in linear - logarithmic scale over total magnetic intensity colour grid and.
- VTEM dB/dt profiles, Time Gates 0.234 – 9.245 ms in linear – logarithmic scale.
- VTEM B-field late time, Time Gate 1.641 ms colour image.
- Total magnetic intensity (TMI) colour image and contours.

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5.3 Digital Data

- Two copies of the data and maps on DVD were prepared to accompany the report. Each DVD contains a digital file of the line data in GDB Geosoft Montaj format as well as the maps in Geosoft Montaj Map and PDF format.

- DVD structure.

  There are two (2) main directories;

  Data contains databases, grids and maps, as described below.
  Report contains a copy of the report and appendices in PDF format.

  Databases in Geosoft GDB format, containing the channels listed in Table 5.

Table 5 – Geosoft GDB Data Format.

Channel Name	Description
X:	X positional data (metres – NAD83, UTM zone 7 north)
Y:	Y positional data (metres – NAD83, UTM zone 7 north)
Z:	GPS antenna elevation (metres - ASL)
Lon:	Longitude data (degree – NAD83)
Lat:	Latitude data (degree – NAD83)
Date:	Flight Date (DD/MM/YYYY)
FltNo	Flight Number
Radar:	Helicopter terrain clearance from radar altimeter (metres - AGL)
RadarB:	EM Bird terrain clearance from radar altimeter (metres - AGL)
DEM:	Digital elevation model (metres)
Gtime:	GPS time (seconds of the day)
Mag1:	Raw Total Magnetic field data (nT)
Basemag:	Magnetic diurnal variation data (nT)
Mag2	Total Magnetic field diurnal variation corrected data (nT)
Mag3	Total Magnetic field final microlevelled data (nT)
SF[10]:	dB/dt 120 microsecond time channel pV/(A*m^4)
SF[11]:	dB/dt 141 microsecond time channel pV/(A*m^4)
SF[12]:	dB/dt 167 microsecond time channel pV/(A*m^4)
SF[13]:	dB/dt 198 microsecond time channel pV/(A*m^4)
SF[14]:	dB/dt 234 microsecond time channel pV/(A*m^4)
SF[15]:	dB/dt 281 microsecond time channel pV/(A*m^4)
SF[16]:	dB/dt 339 microsecond time channel pV/(A*m^4)
SF[17]:	dB/dt 406 microsecond time channel pV/(A*m^4)
SF[18]:	dB/dt 484 microsecond time channel pV/(A*m^4)
SF[19]:	dB/dt 573 microsecond time channel pV/(A*m^4)
SF[20]:	dB/dt 682 microsecond time channel pV/(A*m^4)
SF[21]:	dB/dt 818 microsecond time channel pV/(A*m^4)
SF[22]:	dB/dt 974 microsecond time channel pV/(A*m^4)
SF[23]:	dB/dt 1151 microsecond time channel pV/(A*m^4)
SF[24]:	dB/dt 1370 microsecond time channel pV/(A*m^4)
SF[25]:	dB/dt 1641 microsecond time channel pV/(A*m^4)
SF[26]:	dB/dt 1953 microsecond time channel pV/(A*m^4)
SF[27]:	dB/dt 2307 microsecond time channel pV/(A*m^4)
SF[28]:	dB/dt 2745 microsecond time channel pV/(A*m^4)
SF[29]:	dB/dt 3286 microsecond time channel pV/(A*m^4)
SF[30]:	dB/dt 3911 microsecond time channel pV/(A*m^4)
SF[31]:	dB/dt 4620 microsecond time channel pV/(A*m^4)

Channel Name	Description
SF[32]:	dB/dt 5495 microsecond time channel pV/(A*m^4)
SF[33]:	dB/dt 6578 microsecond time channel pV/(A*m^4)
SF[34]:	dB/dt 7828 microsecond time channel pV/(A*m^4)
SF[35]:	dB/dt 9245 microsecond time channel pV/(A*m^4)
BF[10]:	B-field 120 microsecond time channel (pV*ms)/(A*m^4)
BF[11]:	B-field 141 microsecond time channel (pV*ms)/(A*m^4)
BF[12]:	B-field 167 microsecond time channel (pV*ms)/(A*m^4)
BF[13]:	B-field 198 microsecond time channel (pV*ms)/(A*m^4)
BF[14]:	B-field 234 microsecond time channel (pV*ms)/(A*m^4)
BF[15]:	B-field 281 microsecond time channel (pV*ms)/(A*m^4)
BF[16]:	B-field 339 microsecond time channel (pV*ms)/(A*m^4)
BF[17]:	B-field 406 microsecond time channel (pV*ms)/(A*m^4)
BF[18]:	B-field 484 microsecond time channel (pV*ms)/(A*m^4)
BF[19]:	B-field 573 microsecond time channel (pV*ms)/(A*m^4)
BF[20]:	B-field 682 microsecond time channel (pV*ms)/(A*m^4)
BF[21]:	B-field 818 microsecond time channel (pV*ms)/(A*m^4)
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BF[26]:	B-field 1953 microsecond time channel (pV*ms)/(A*m^4)
BF[27]:	B-field 2307 microsecond time channel (pV*ms)/(A*m^4)
BF[28]:	B-field 2745 microsecond time channel (pV*ms)/(A*m^4)
BF[29]:	B-field 3286 microsecond time channel (pV*ms)/(A*m^4)
BF[30]:	B-field 3911 microsecond time channel (pV*ms)/(A*m^4)
BF[31]:	B-field 4620 microsecond time channel (pV*ms)/(A*m^4)
BF[32]:	B-field 5495 microsecond time channel (pV*ms)/(A*m^4)
BF[33]:	B-field 6578 microsecond time channel (pV*ms)/(A*m^4)
BF[34]:	B-field 7828 microsecond time channel (pV*ms)/(A*m^4)
BF[35]:	B-field 9245 microsecond time channel (pV*ms)/(A*m^4)
PLM:	Power Line monitor (60Hz)

Electromagnetic B-field and dB/dt data is found in array channel format between indexes 10 – 35, as described above.

- Database of the VTEM Waveform "VTEM_waveform.gdb" in Geosoft GDB format, containing the following channels:

  Time: Sampling rate interval, 10.416 microseconds
  Rx_Volt: Output voltage of the receiver coil (Volt)
  Tx_Curr: Output current of the transmitter (Amp)

- Grids in Geosoft GRD format, as follows:

  BF25_ARN: B-Field Channel 25 (Time Gate 1.641 ms)
  Mag3_ARN: Total magnetic intensity (nT)

  A Geosoft .GRD file has a .GI metadata file associated with it, containing grid projection information. A grid cell size of 25 metres was used.

- Maps at 1:10,000 in Geosoft MAP format, as follows:

  8077_Bfield_ARN: B-field profiles, Time Gates 0.234 – 9.245 ms in linear logarithmic scale over TMI.
  8077_dBdt_ARN: dB/dt profiles, Time Gates 0.234 – 9.245 ms in linear logarithmic scale.
  8077_BF_ARN: B-field Time Gate 1.641 ms colour image.
  8077_TMI_ARN: Total magnetic intensity colour image and contours.

  Maps are also presented in PDF and MapInfo format.

  1:50,000 topographic vectors were taken from the NRCAN Geogratis database at; http://geogratis.gc.ca/geogratis/en/index.html.

- Google Earth files *8077_ARN_fltpath.kml* showing the flight path of each block. Free versions of Google Earth software from: http://earth.google.com/download-earth.html

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

A helicopter-borne versatile time domain electromagnetic (VTEM) geophysical survey has been completed over the ARN Project in the Yukon Territory, Canada.

The total area coverage is 20 km^2. Total survey line coverage is 221 line kilometres. The principal sensors included a Time Domain EM system and a magnetometer. Results have been presented as stacked profiles and contour colour images at a scale of 1:10,000. No formal interpretation is included in this report.

6.2 Recommendations

Based on the geophysical results obtained, a number of interesting EM and magnetic anomaly groupings were identified across the property. We therefore recommend a detailed interpretation of the EM and magnetic data, in conjunction with the known geology, including EM anomaly picking, as well as 3D inversion and modelling techniques to further characterize the observed anomalies and to more accurately determine their parameters (depth, conductance, dip, etc.) prior to ground follow up and drill testing.

Respectfully submitted[6],

Kyle Orlowski
Geotech Ltd.

Jean Legault, P. Geo, P. Eng
Geotech Ltd.

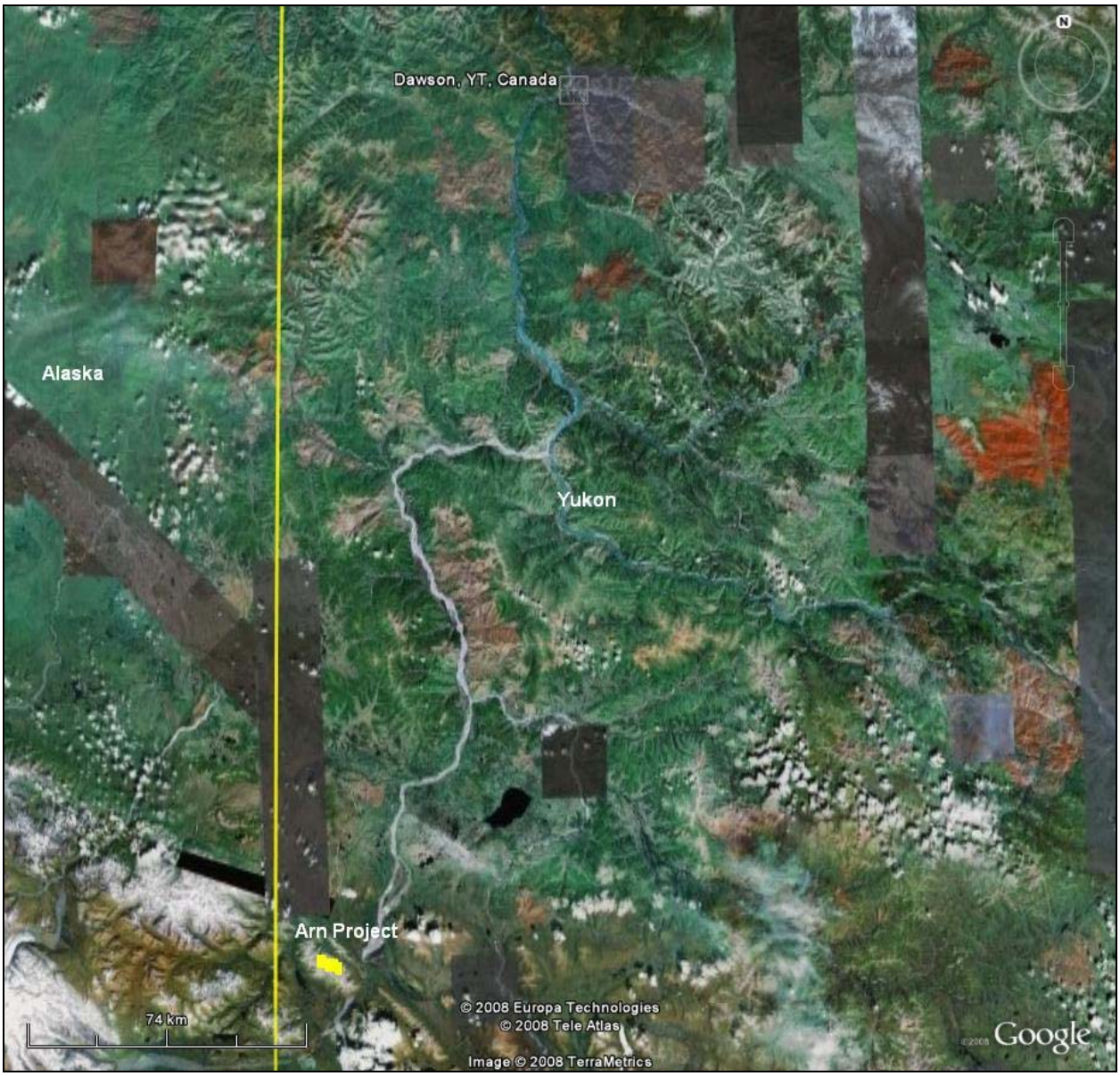
Neil Fiset
Geotech Ltd.

November 2008

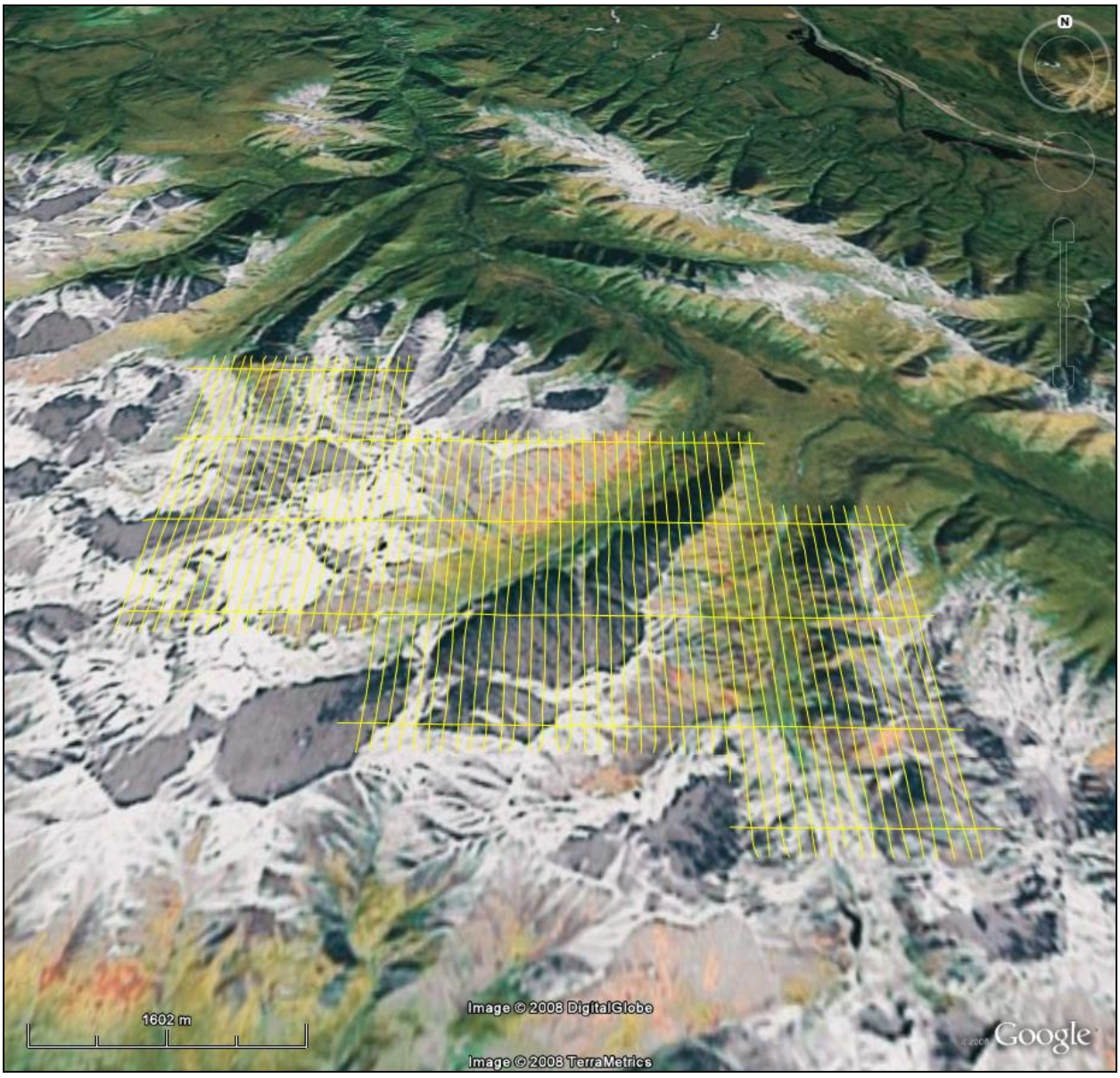
[6]Final data processing and interpretation of the EM and magnetic data were carried out by Neil Fiset, from the office of Geotech Ltd. in Aurora, Ontario, under the supervision of Jean Legault, P. Geo, Manager of Data Processing and Interpretation.

APPENDIX A

SURVEY BLOCK LOCATION MAPS



Google Earth Image: ARN Project



Google Earth Image: ARN Block



Mining Claims Map: ARN Block

APPENDIX B

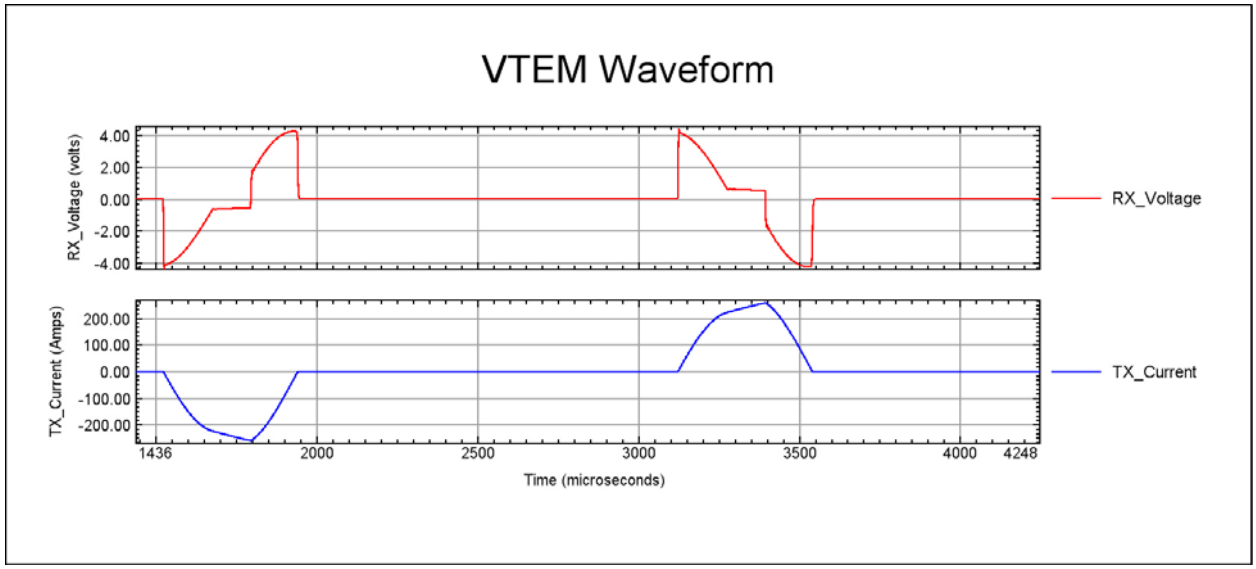
SURVEY BLOCK COORDINATES

(NAD83, UTM Zone 7 North)

ARN	
X	Y
511073	6874203
513006	6874203
513006	6873195
516203	6873195
516203	6872313
517263	6872313
517263	6869466
515762	6869466
515761.8	6870195
513006.2	6870195
513006.2	6871161
511073.2	6871161

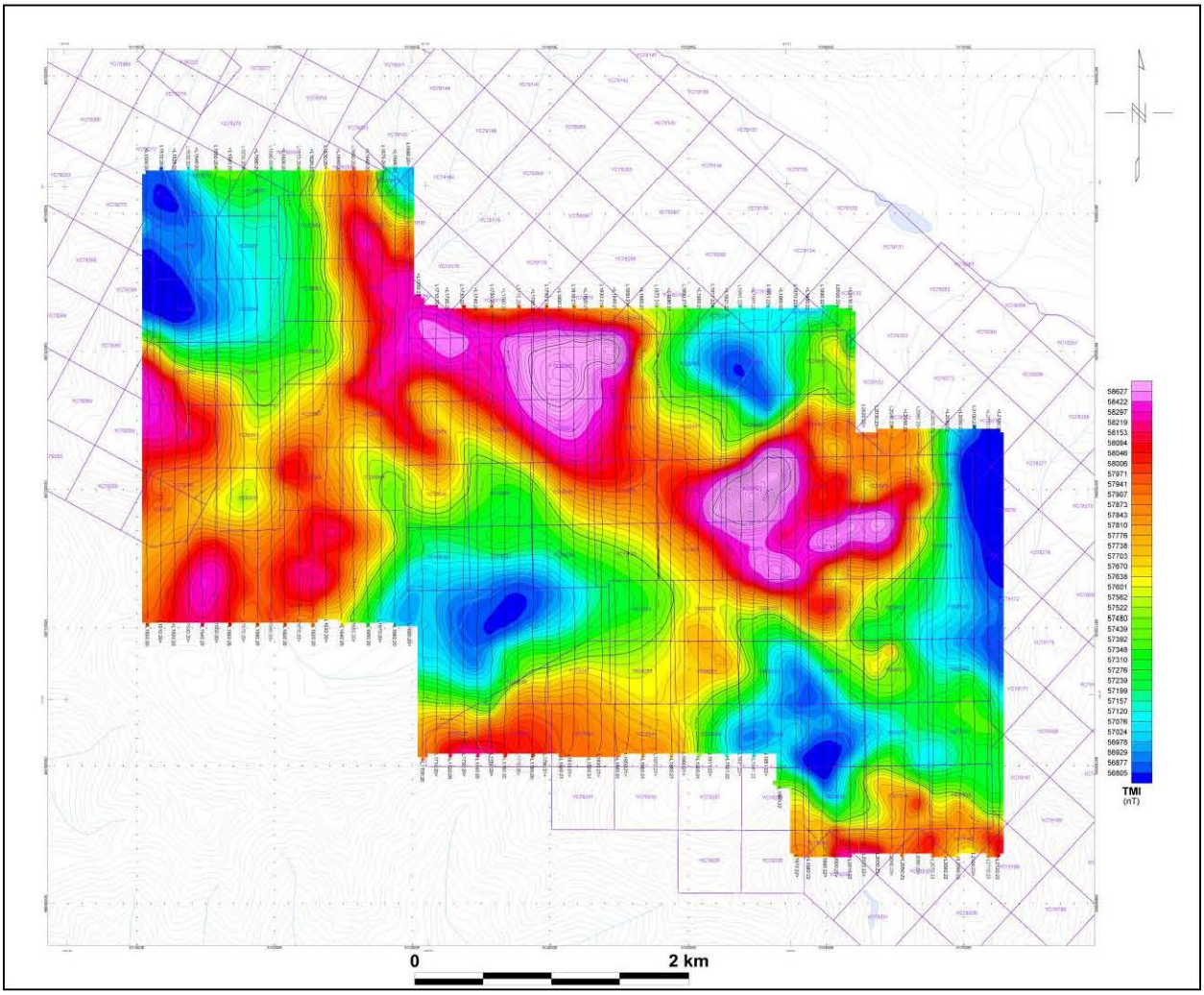
APPENDIX C

VTEM WAVEFORM



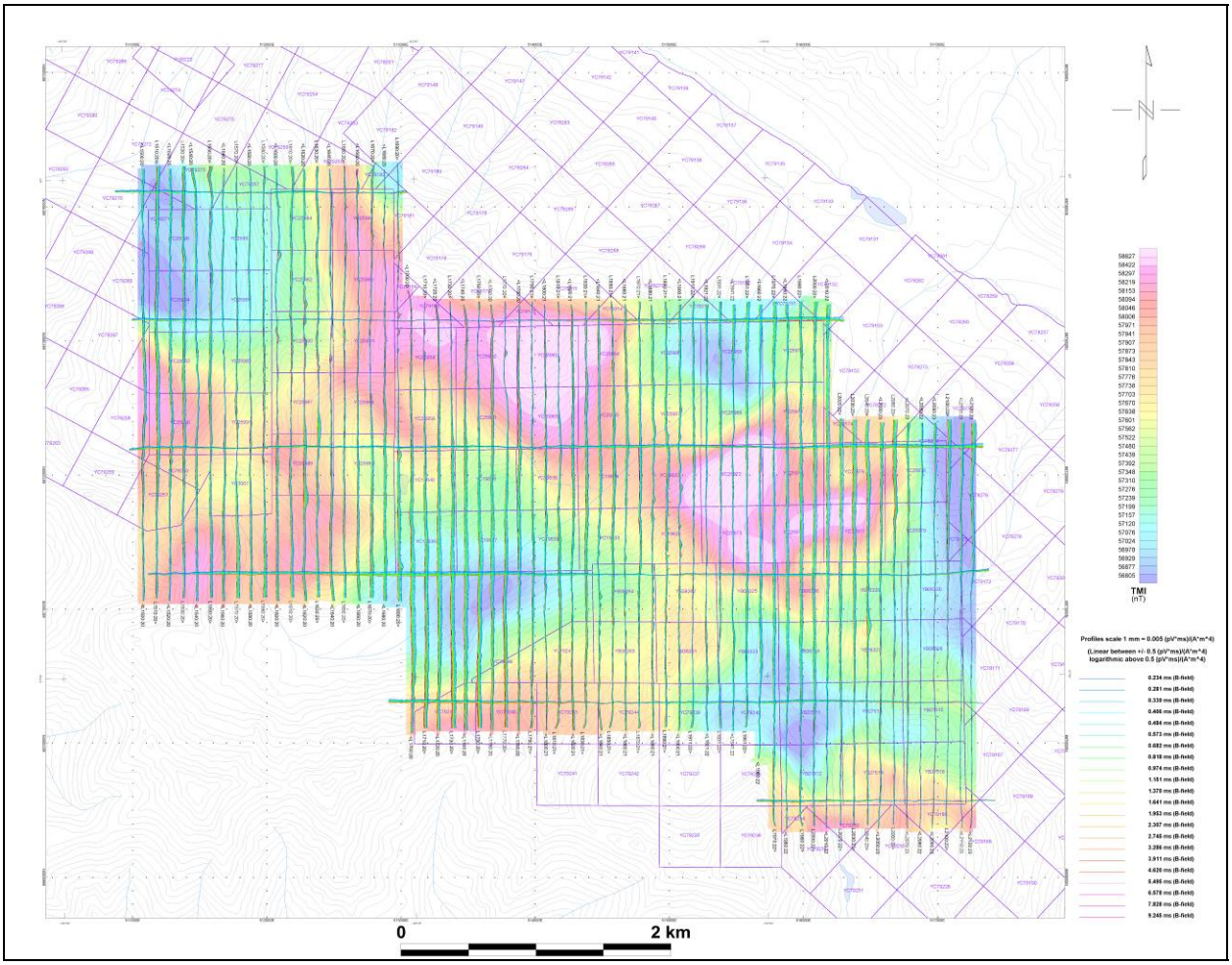
APPENDIX D

GEOPHYSICAL MAPS[1]

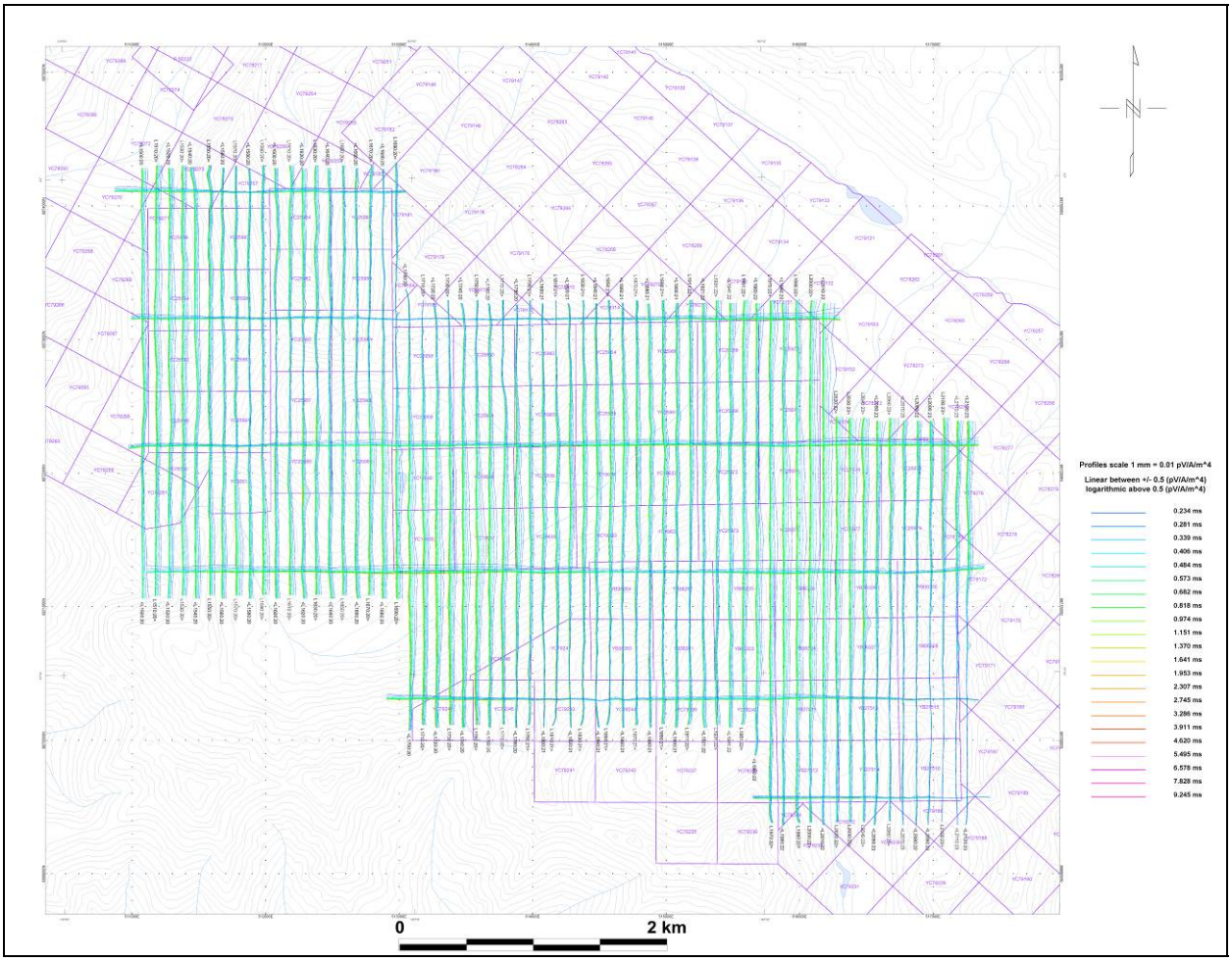


ARN Property: Total Magnetic Intensity (TMI)

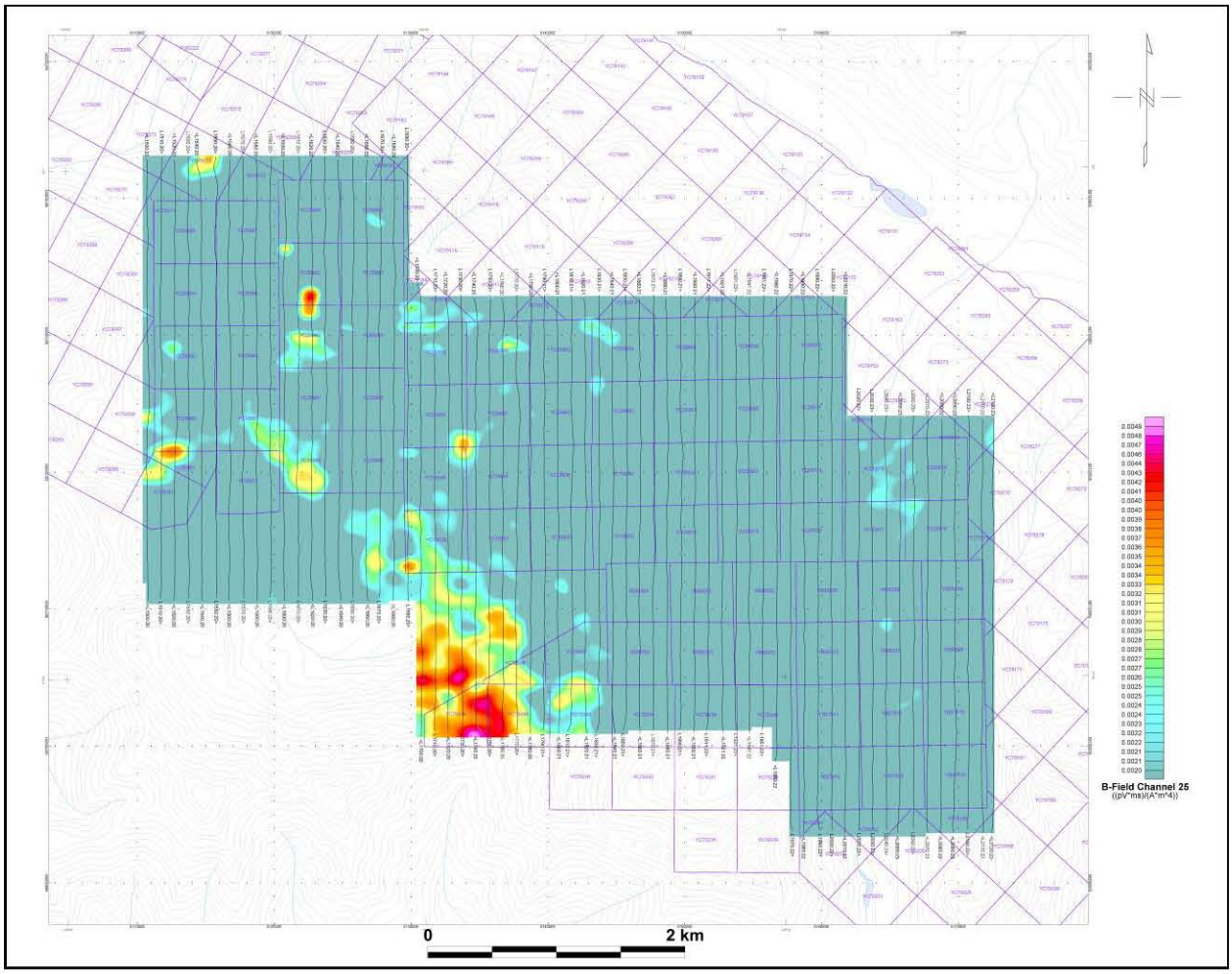
1 Note: Present maps are a selection of the final geophysical maps. Full size geophysical maps are also available in PDF format on the final DVD.



ARN Property: VTEM B-Field Profiles
– Time Gates 0.234 to 9.245 ms, over TMI



ARN Property: VTEM dB/dt Profiles
- Time Gates 0.234 to 9.245 ms



ARN Property: VTEM B-Field Contours
- Time Gate 1.641 ms

APPENDIX E

GENERALIZED MODELING RESULTS OF THE VTEM SYSTEM

Introduction

The VTEM system is based on a concentric or central loop design, whereby, the receiver is positioned at the centre of a 26.1 metres diameter transmitter loop that produces a dipole moment up to 384,000 nIA at peak current. The wave form is a bi-polar, modified square wave with a turn-on and turn-off at each end. With a base frequency of 30 Hz, the duration of each pulse is approximately 7.4 milliseconds followed by an off time where no primary field is present.

During turn-on and turn-off, a time varying field is produced (dB/dt) and an electro-motive force (emf) is created as a finite impulse response. A current ring around the transmitter loop moves outward and downward as time progresses. When conductive rocks and mineralization are encountered, a secondary field is created by mutual induction and measured by the receiver at the centre of the transmitter loop.

Measurements are made during the on and off-time, when only the secondary field (representing the conductive targets encountered in the ground) is present.

Efficient modeling of the results can be carried out on regularly shaped geometries, thus yielding close approximations to the parameters of the measured targets. The following is a description of a series of common models made for the purpose of promoting a general understanding of the measured results.

General Modeling Concepts

A set of models has been produced for the Geotech VTEM® system with explanation notes (see models C1 to C18). The reader is encouraged to review these models, so as to get a general understanding of the responses as they apply to survey results. While these models do not begin to cover all possibilities, they give a general perspective on the simple and most commonly encountered anomalies.

When producing these models, a few key points were observed and are worth noting as follows:

- For near vertical and vertical plate models, the top of the conductor is always located directly under the centre low point between the two shoulders in the classic **M** shaped response.

- As the plate is positioned at an increasing depth to the top, the shoulders of the **M** shaped response, have a greater separation distance.

- When faced with choosing between a flat lying plate and a prism model to represent the target (broad response) some ambiguity is present and caution should be exercised.

- With the concentric loop system and Z-component receiver coil, virtually all types of conductors and most geometries are most always well coupled and a response is generated (see model H). Only concentric loop systems can map this type of target.

The Maxwell ™ modeling program (Fullagar and Reid, 2001) used to generate the following responses assumes a resistive half-space.

Variation of Plate Depth

Geometries represented by plates of different strike length, depth extent, dip, plunge and depth below surface can be varied with characteristic parameters like conductance of the target, conductance of the host and conductivity/thickness and thickness of the overburden layer.

Diagrammatic models for a vertical plate are shown in Figures C-1 & C-2 and C-5 & C-6 at two different depths, all other parameters remaining constant. With this transmitter-receiver geometry, the classic **M** shaped response is generated. Figures C-1 and C-2 show a plate where the top is near surface. Here, amplitudes of the duel peaks are higher and symmetrical with the zero centre positioned directly above the plate. Most important is the separation distance of the peaks. This distance is small when the plate is near surface and widens with a linear relationship as the plate (depth to top) increases. Figures C-5 and C-6 show a much deeper plate where the separation distance of the peaks is much wider and the amplitudes of the channels have decreased.

Variation of Plate Dip

As the plate dips and departs from the vertical position, the peaks become asymmetrical. Figures C-3 & C-4 and C-7 and C-8 show a near surface plate dipping 80º at two different depths. Note that the direction of dip is toward the high shoulder of the response and the top of the plate remains under the centre minimum.

As the dip increases, the aspect ratio (Min/Max) decreases and this aspect ratio can be used as an empirical guide to dip angles from near 90º to about 30º. The method is not sensitive enough where dips are less than about 30º. For example, for a plate dipping 45º, the minimum shoulder

starts to vanish. In Figures C-9 & C-10 and C-11 & C-12, a flat lying plate is shown, relatively near surface. Note that the twin peak anomaly has been replaced by a symmetrical shape with large, bell shaped, channel amplitudes which decay relative to the conductance of the plate.

In the special case where two plates are positioned to represent a synclinal structure. Note that the main characteristic is that the centre amplitudes are higher (approximately double) compared to the high shoulder of a single plate. This model is very representative of tightly folded formations where the conductors where once flat lying.

Variation of Prism Dip

Finally, with thicker, prism models, another algorithm is required to represent current on the plate. A plate model is considered to be infinitely thin with respect to thickness and incapable of representing the current in the thickness dimension. A prism model is constructed to deal with this problem, thereby, representing the thickness of the body more accurately.

Figures C-13 & C-14 and C-15 & C-16 show the same prism at the same depths with variable dips. Aside from the expected differences asymmetry prism anomalies show a characteristic change from a double-peaked anomaly to single peak signatures.

I. THIN PLATE

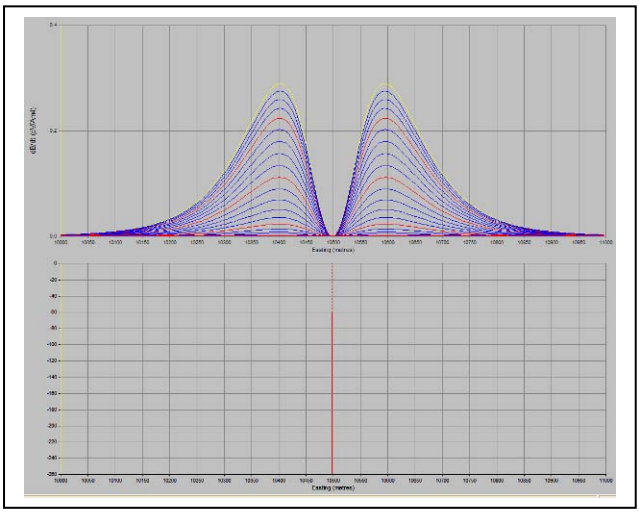


Figure C-1: dB/dt response of a shallow vertical thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

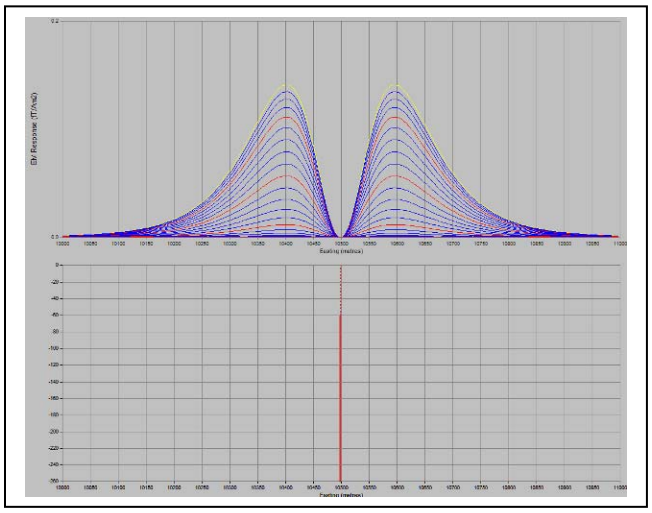


Figure C-2: B-field response of a shallow vertical thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment.

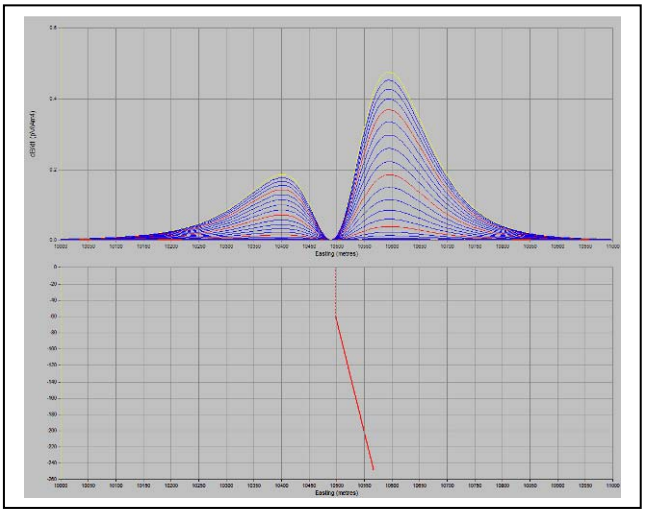


Figure C-3: dB/dt response of a shallow skewed thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

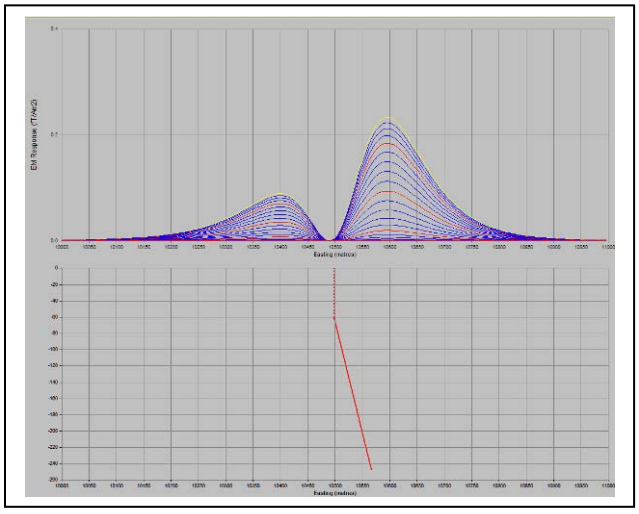


Figure C-4: B-field response of a shallow skewed thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment.

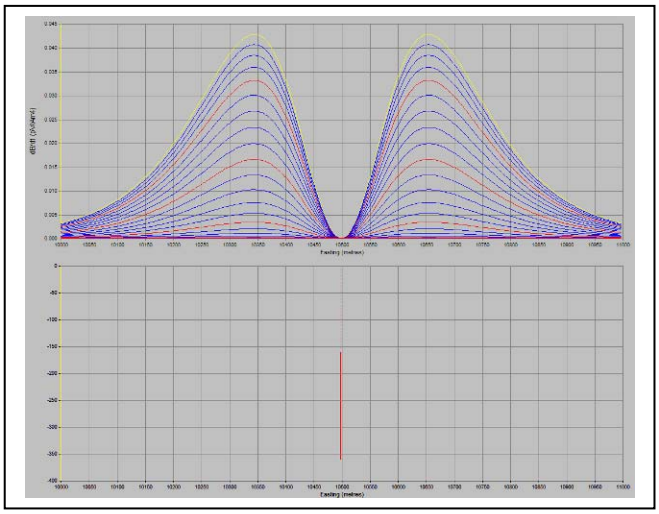


Figure C-5: dB/dt response of a deep vertical thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

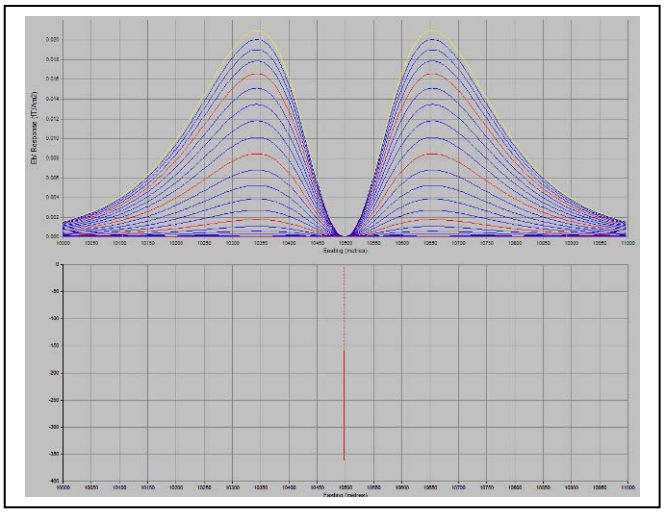


Figure C-6: B-Field response of a deep vertical thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment.

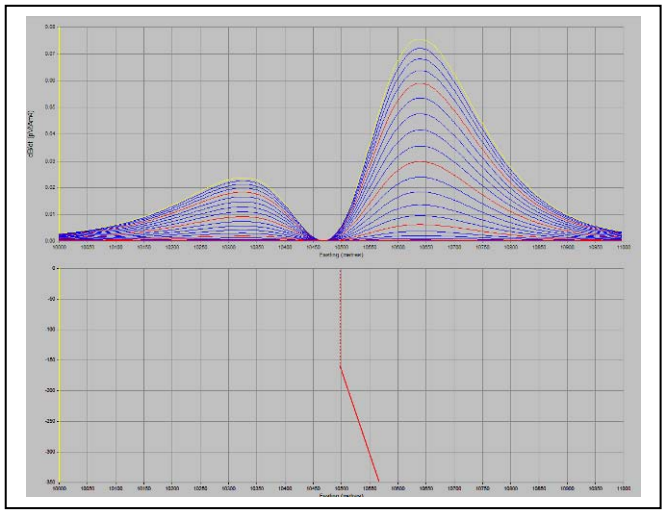


Figure C-7: dB/dt response of a deep skewed thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

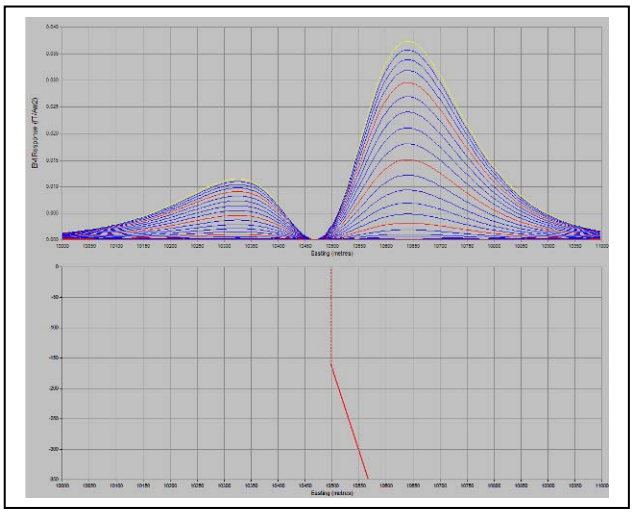


Figure C-8: B-field response of a deep skewed thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment.

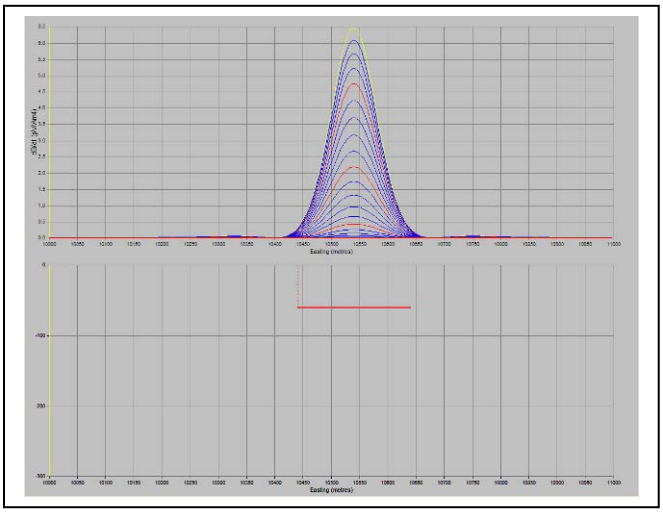


Figure C-9: dB/dt response of a shallow horizontal thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

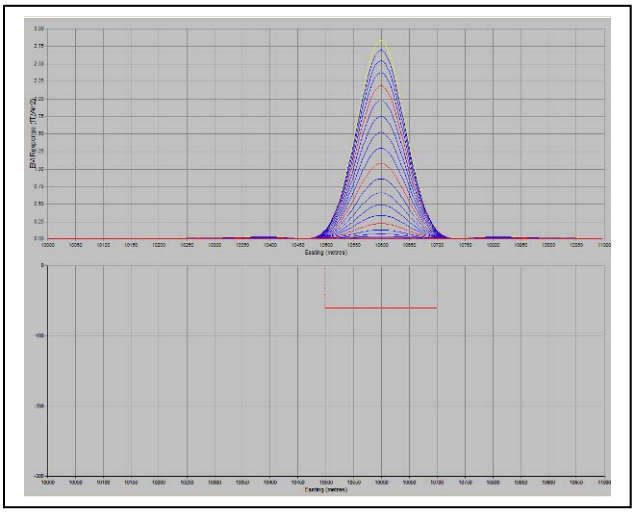


Figure C-10: B-Field response of a shallow horizontal thin plate. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment.

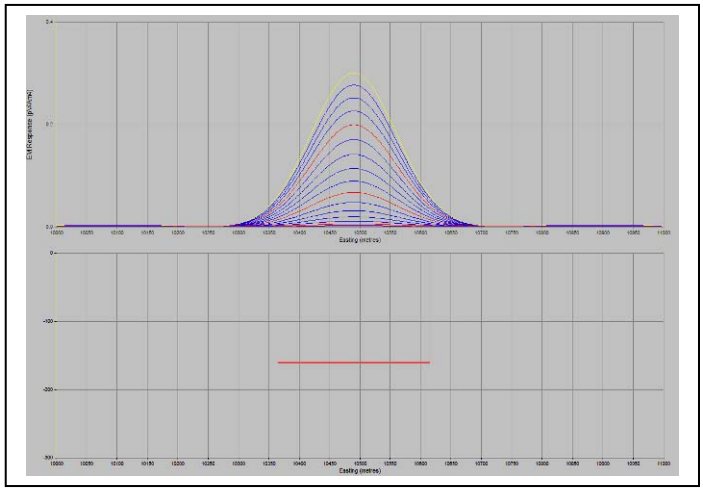


Figure C-11: dB/dt response of a deep horizontal thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

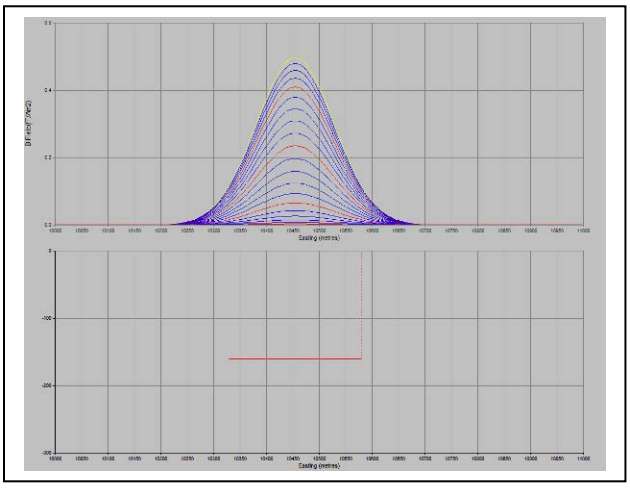


Figure C-12: B-Field response of a deep horizontal thin plate. Depth=200 m, CT=20 S. The EM response is normalized by the dipole moment.

II. THICK PLATE

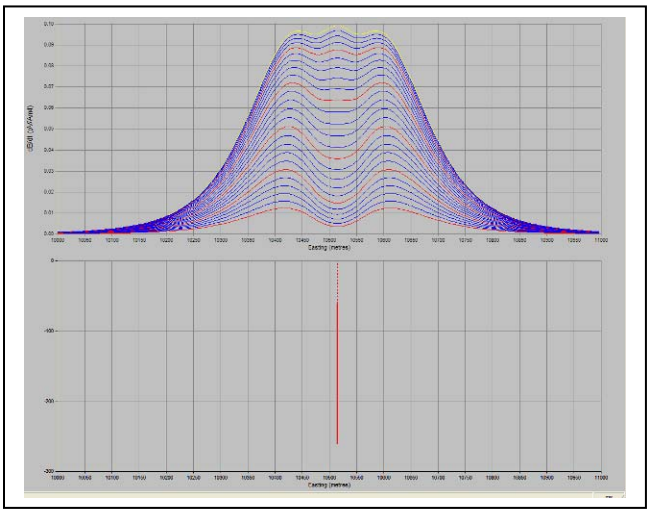


Figure C-13: dB/dt response of a shallow vertical thick plate. Depth=100 m, C=12 S/m, thickness=20 m. The EM response is normalized by the dipole moment and the Rx area.

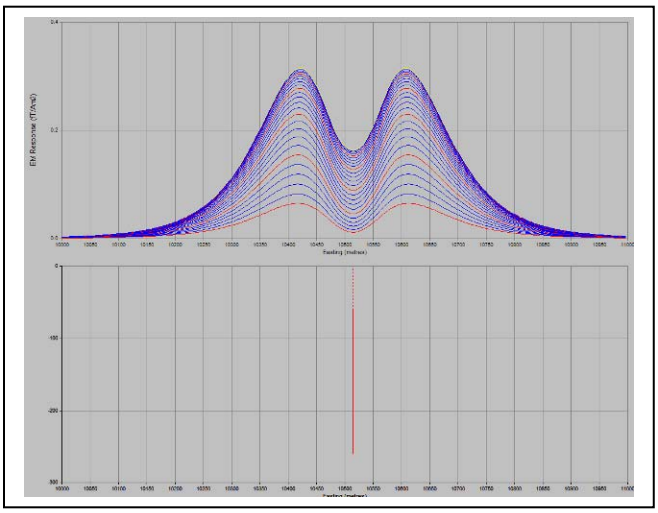


Figure C-14: B-Field response of a shallow vertical thick plate. Depth=100 m, C=12 S/m, thickness= 20 m. The EM response is normalized by the dipole moment.

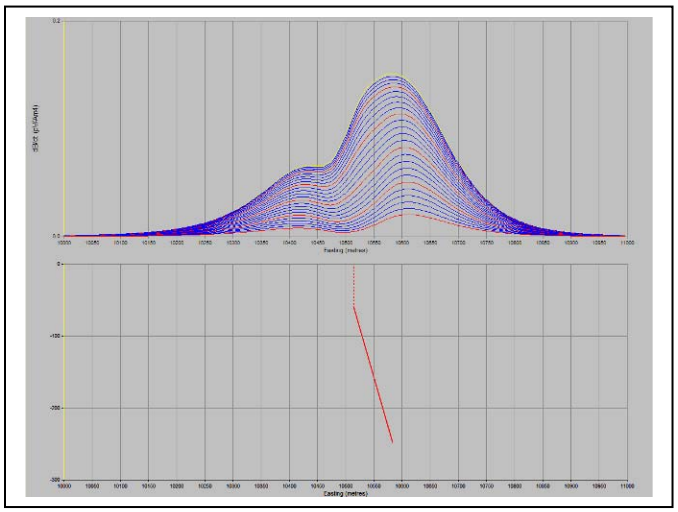


Figure C-15: dB/dt response of a shallow skewed thick plate. Depth=100 m, C=12 S/m, thickness=20 m. The EM response is normalized by the dipole moment and the Rx area.

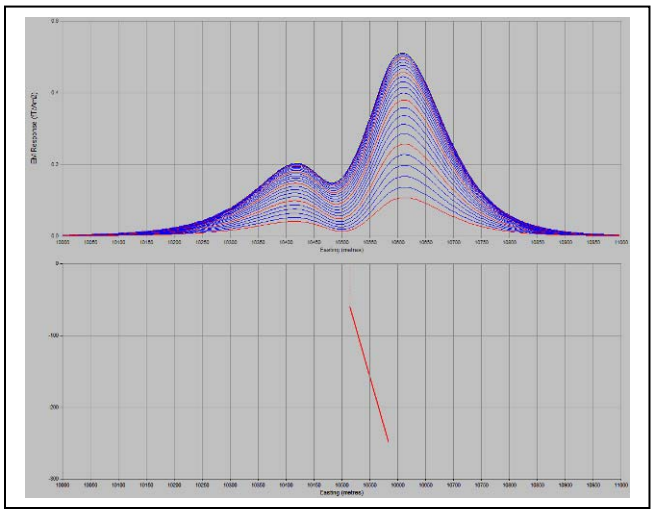


Figure C-16: B-Field response of a shallow skewed thick plate. Depth=100 m, C=12 S/m, thickness=20 m. The EM response is normalized by the dipole moment.

III. MULTIPLE THIN PLATES

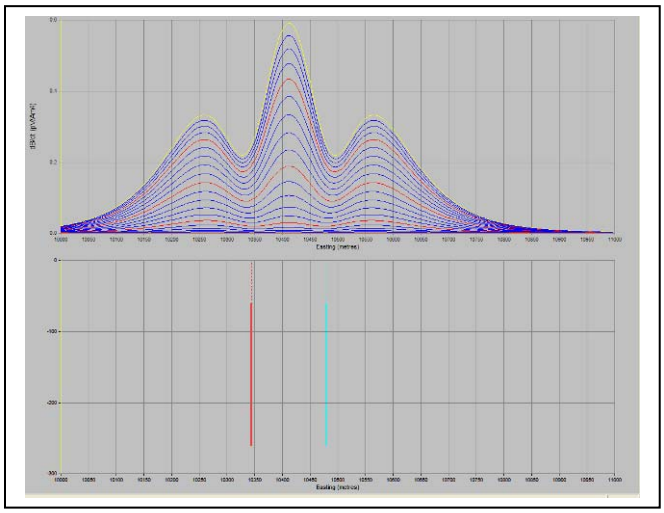


Figure C-17: dB/dt response of two vertical thin plates. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment and the Rx area.

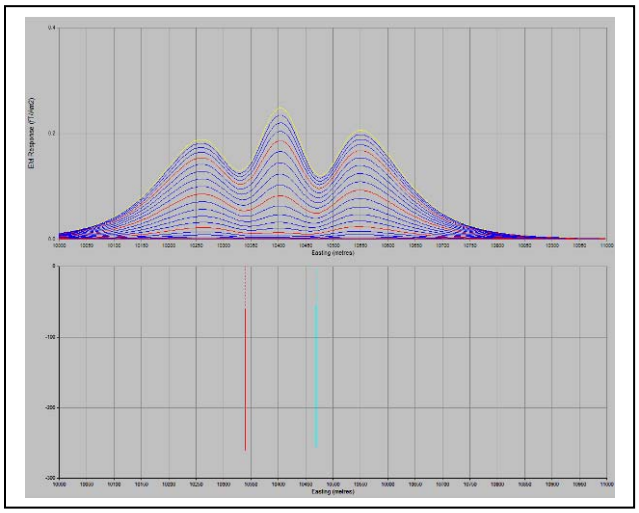


Figure C-18: B-Field response of two vertical thin plates. Depth=100 m, CT=20 S. The EM response is normalized by the dipole moment.

General Interpretation Principals

Magnetics

The total magnetic intensity responses reflect major changes in the magnetite and/or other magnetic minerals content in the underlying rocks and unconsolidated overburden. Precambrian rocks have often been subjected to intense heat and pressure during structural and metamorphic events in their history. Original signatures imprinted on these rocks at the time of formation have, it most cases, been modified, resulting in low magnetic susceptibility values.

The amplitude of magnetic anomalies, relative to the regional background, helps to assist in identifying specific magnetic and non-magnetic rock units (and conductors) related to, for example, mafic flows, mafic to ultramafic intrusives, felsic intrusives, felsic volcanics and/or sediments etc. Obviously, several geological sources can produce the same magnetic response. These ambiguities can be reduced considerably if basic geological information on the area is available to the geophysical interpreter.

In addition to simple amplitude variations, the shape of the response expressed in the wave length and the symmetry or asymmetry, is used to estimate the depth, geometric parameters and magnetization of the anomaly. For example, long narrow magnetic linears usually reflect mafic flows or intrusive dyke features. Large areas with complex magnetic patterns may be produced by intrusive bodies with significant magnetization, flat lying magnetic sills or sedimentary iron formation. Local isolated circular magnetic patterns often represent plug-like igneous intrusives such as kimberlites, pegmatites or volcanic vent areas.

Because the total magnetic intensity (TMI) responses may represent two or more closely spaced bodies within a response, the second derivative of the TMI response may be helpful for distinguishing these complexities. The second derivative is most useful in mapping near surface linears and other subtle magnetic structures that are partially masked by nearby higher amplitude magnetic features. The broad zones of higher magnetic amplitude, however, are severely attenuated in the vertical derivative results. These higher amplitude zones reflect rock units having strong magnetic susceptibility signatures. For this reason, both the TMI and the second derivative maps should be evaluated together.

Theoretically, the second derivative, zero contour or color delineates the contacts or limits of large sources with near vertical dip and shallow depth to the top. The vertical gradient map also aids in determining contact zones between rocks with a susceptibility contrast, however, different, more complicated rules of thumb apply.

Concentric Loop EM Systems

Concentric systems with horizontal transmitter and receiver antennae produce much larger responses for flat lying conductors as contrasted with vertical plate-like conductors. The amount of current developing on the flat upper surface of targets having a substantial area in this dimension, are the direct result of the effective coupling angle, between the primary magnetic field and the flat surface area. One therefore, must not compare the amplitude/conductance of responses generated from flat lying bodies with those derived from near vertical plates; their ratios will be quite different for similar conductances.

Determining dip angle is very accurate for plates with dip angles greater than 30º. For angles less than 30º to 0º, the sensitivity is low and dips can not be distinguished accurately in the presence of normal survey noise levels.

A plate like body that has near vertical position will display a two shoulder, classic **M** shaped response with a distinctive separation distance between peaks for a given depth to top.

It is sometimes difficult to distinguish between responses associated with the edge effects of flat lying conductors and poorly conductive bedrock conductors. Poorly conductive bedrock conductors having low dip angles will also exhibit responses that may be interpreted as surficial overburden conductors. In some situations, the conductive response has line to line continuity and some magnetic correlation providing possible evidence that the response is related to an actual bedrock source.

The EM interpretation process used, places considerable emphasis on determining an understanding of the general conductive patterns in the area of interest. Each area has different characteristics and these can effectively guide the detailed process used.

The first stage is to determine which time gates are most descriptive of the overall conductance patterns. Maps of the time gates that represent the range of responses can be very informative.

Next, stacking the relevant channels as profiles on the flight path together with the second vertical derivative of the TMI is very helpful in revealing correlations between the EM and Magnetics.

Next, key lines can be profiled as single lines to emphasize specific characteristics of a conductor or the relationship of one conductor to another on the same line. Resistivity Depth sections can be constructed to show the relationship of conductive overburden or conductive bedrock with the conductive anomaly.

_____

Roger Barlow
Consultant

_____

Nasreddine Bournas, P. Geo.
Geotech Ltd.

November 2008

GEOTECH LTD.



SURVEY SPECIFICATIONS:
- Survey Date: June 16th to June 22nd, 2008
- Survey Base: Dawson City, Yukon
- Aircraft: Aerospatiale A-Star 350 B3 (C-GTRK)
- Nominal Survey Line Spacing: 100 Meters
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- Nominal Tie Line Spacing: 950 Meters
- Nominal Tie Line Direction: N 90° E
- Nominal Terrain Clearance: 72 Meters
- EM Loop: Towed at a mean distance of 42 meters below the Helicopter
- Magnetic Sensor: Towed at a mean distance of 15 meters below the Helicopter

INSTRUMENTS
- Geotech Time Domain Electromagnetic System (VTEM)
- Concentric RxTx Geometry
- Transmitter Loop: Diameter 26 Meters,Base Frequency 30 Hz
- Dipole Moment: 556,400 nIA
- Transmitter Wave Form: Trapezoid, Pulse Width 4.2 ms.
- Geometrics High Sensitivity Cesium Magnetometer
- Mag Resolution: 0.02 nT at 10 samples/sec

MAP PROJECTION
- Datum: NAD 83
- Projection: Universal Transverse Mercator
- Central Meridian: 141°W (Zone 7)
- Central Scale Factor: 0.9996
- False Easting/Northing: 500,000m/0m
- Major Axis: 6378137.000
- Eccentricity: 0.081819191
- NTS: 115K02, 115F15

Profiles scale 1 mm = 0.005 (pV*ms)/(A*m^4)

(Linear between +/- 0.5 (pV*ms)/(A*m^4) logarithmic above 0.5 (pV*ms)/(A*m^4)

0.234 ms (B-field)	58627	
0.281 ms (B-field)	58422	
0.339 ms (B-field)	58297	
0.406 ms (B-field)	58219	
0.484 ms (B-field)	58153	
0.573 ms (B-field)	58094	
0.682 ms (B-field)	58046	
0.818 ms (B-field)	58006	
0.974 ms (B-field)	57971	
1.151 ms (B-field)	57941	
1.370 ms (B-field)	57907	
1.641 ms (B-field)	57873	
1.953 ms (B-field)	57843	
2.307 ms (B-field)	57810	
2.745 ms (B-field)	57776	
3.286 ms (B-field)	57738	
3.911 ms (B-field)	57703	
4.620 ms (B-field)	57670	
5.495 ms (B-field)	57638	
6.578 ms (B-field)	57601	
7.828 ms (B-field)	57562	
9.245 ms (B-field)	57522	
	57480	
	57439	
	57392	
	57348	
	57310	
	57276	
	57239	
	57199	
	57157	
	57120	
	57076	
	57024	
	56978	
	56929	
	56877	
	56805	

TMI (nT)

TOPOGRAPHIC LEGEND:

- Roads
- Trails
- Contours
- Rivers & Streams
- Lakes
- Wetlands
- Mining Rights

Scale 1:10000

100 0 100 200 300 400 500

(meters)

NAD83 / UTM zone 7N

The topographic data base was derived from 1:50000 NRC (Natural Resources Canada) NTDB data
Background shading is derived from NASA SRTM (Shuttle Radar Topography Mission) data
Inset data derived from Geocommunities 1:250,000 Canadian National Topographic database
Mineral Exploration Licences & Mining Claims are derived from the Government of Yukon, Geomatics Branch (www.geocmm.com)(www.geogratis.ca)(http://geomaticsyukon.ca/data_download.html)

Archer Cathro & Associates Ltd.
ARN Block
Beaver Creek Area, Yukon

Geotech VTEM System

VTEM B-FIELD PROFILES
TIME GATES 0.234 to 9.245 ms
with TMI Colour Image

Flown and processed by Geotech Ltd.
245 Industrial Parkway North,
Aurora, Ontario, Canada L4G 4C4
www.geotech.ca

November 2008

Geotech Project # 8077

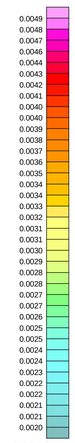
GEOTECH LTD.



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- Major Axis: 6378137.000
- Eccentricity: 0.081819191
- NTS: 115K02, 115F15



B-Field Channel 25
((pV*ms)/(A*m^4))

TOPOGRAPHIC LEGEND:

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- Trails
- Contours
- Rivers & Streams
- Lakes
- Wetlands
- Mining Rights

Scale 1:10000

100 0 100 200 300 400 500
(meters)
NAD83 / UTM zone 7N

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Archer Cathro & Associates Ltd.
ARN Block
Beaver Creek Area, Yukon

Geotech VTEM System

VTEM B-FIELD CHANNEL 25
TIME GATE 1.641 ms

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TMI (nT)
58627
58422
58297
58219
58153
58094
58046
58006
57971
57941
57907
57873
57843
57810
57776
57738
57703
57670
57638
57601
57562
57522
57480
57439
57392
57348
57310
57276
57239
57199
57157
57120
57076
57024
56978
56929
56877
56805

Contour Intervals (nT):
50
250
1250

TOPOGRAPHIC LEGEND:
- Roads
- Trails
- Contours
- Rivers & Streams
- Lakes
- Wetlands
- Mining Rights

Scale 1:10000
100 0 100 200 300 400 500
(meters)
NAD83 / UTM zone 7N

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Archer Cathro & Associates Ltd.
ARN Block
Beaver Creek Area, Yukon

Geotech VTEM System

TOTAL MAGNETIC INTENSITY (TMI)

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www.geotech.ca

November 2008

Geotech Project # 8077

GEOTECH LTD.



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Linear between +/- 0.5 (pV/A/m^4)
logarithmic above 0.5 (pV/A/m^4)

- 0.234 ms
- 0.281 ms
- 0.339 ms
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- 0.484 ms
- 0.573 ms
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- 1.151 ms
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- 2.745 ms
- 3.286 ms
- 3.911 ms
- 4.620 ms
- 5.495 ms
- 6.578 ms
- 7.828 ms
- 9.245 ms

TOPOGRAPHIC LEGEND:

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- Contours
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Scale 1:10000

100 0 100 200 300 400 500
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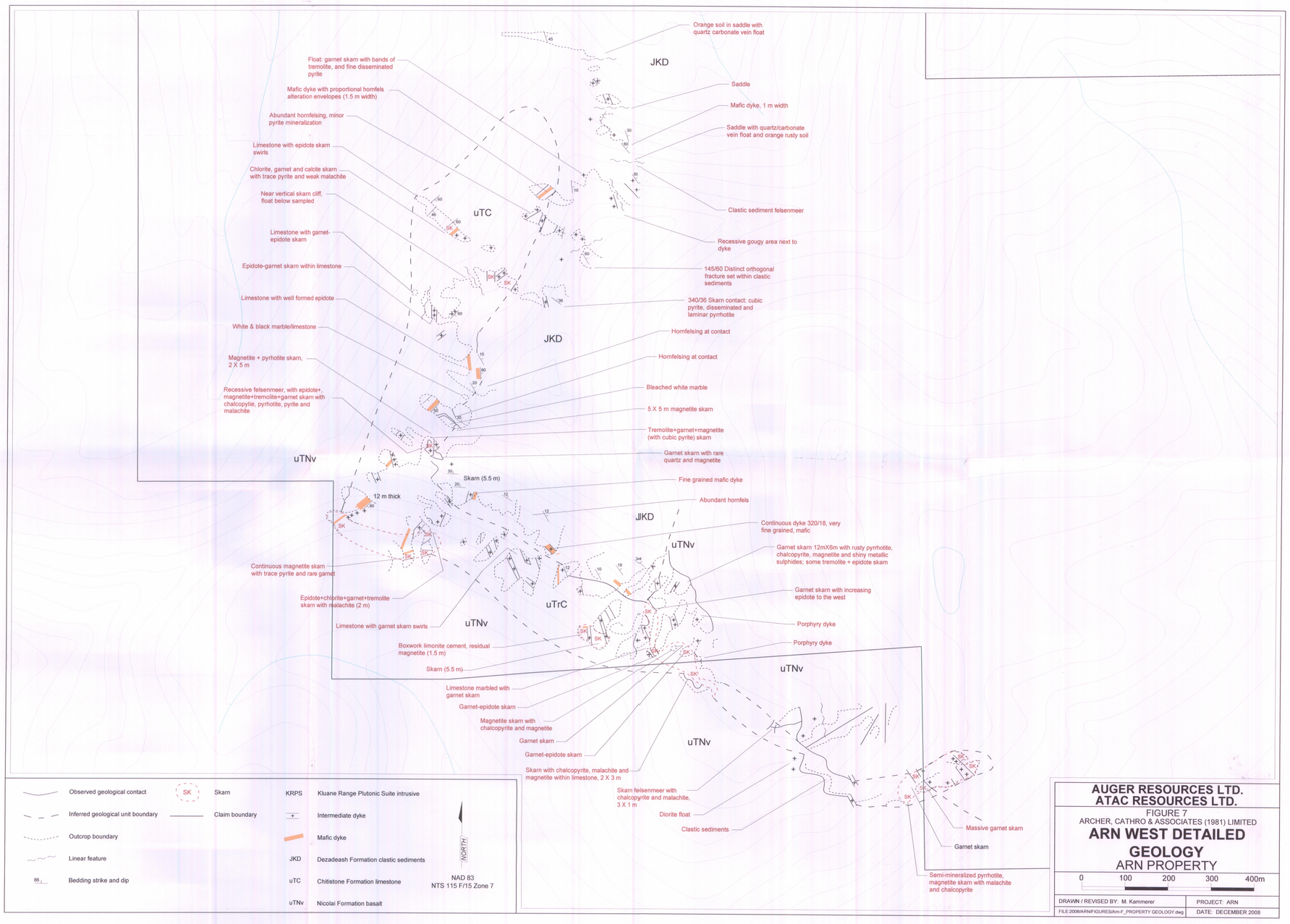
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November 2008

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Orange soil in saddle with quartz carbonate vein float
Float: garnet skarn with bands of tremolite, and fine disseminated pyrite
Mafic dyke with proportional hornfels alteration envelopes (1.5 m width)
Abundant hornfelsing, minor pyrite mineralization
Limestone with epidote skarn swirls
Chlorite, garnet and calcite skarn with trace pyrite and weak malachite
Near vertical skarn cliff, float below sampled
Limestone with garnet-epidote skarn
Epidote-garnet skarn within limestone
Limestone with well formed epidote
White & black marble/limestone
Magnetite + pyrhotite skarn, 2 X 5 m
Recessive felsenmeer, with epidote+, magnetite+tremolite+garnet skarn with chalcopytie, pyrhotite, pyrite and malachite
Continuous magnetite skarn with trace pyrite and rare garnet
Epidote+chlorite+garnet+tremolite skarn with malachite (2 m)
Limestone with garnet skarn swirls
Boxwork limonite cement, residual magnetite (1.5 m)
Skarn (5.5 m)
Limestone marbled with garnet skarn
Garnet-epidote skarn
Magnetite skarn with chalcopyrite and magnetite
Garnet skarn
Garnet-epidote skarn
Skarn with chalcopyrite, malachite and magnetite within limestone, 2 X 3 m
Skarn felsenmeer with chalcopyrite and malachite, 3 X 1 m
Diorite float
Clastic sediments
Saddle
Mafic dyke, 1 m width
Saddle with quartz/carbonate vein float and orange rusty soil
Clastic sediment felsenmeer
Recessive gougy area next to dyke
145/60 Distinct orthogonal fracture set within clastic sediments
340/36 Skarn contact: cubic pyrite, disseminated and laminar pyrrhotite
Hornfelsing at contact
Hornfelsing at contact
Bleached white marble
5 X 5 m magnetite skarn
Tremolite+garnet+magnetite (with cubic pyrite) skarn
Garnet skarn with rare quartz and magnetite
Skarn (5.5 m)
12 m thick
Fine grained mafic dyke
Abundant hornfels
Continuous dyke 320/18, very fine grained, mafic
Garnet skarn 12mX6m with rusty pyrrhotite, chalcopyrite, magnetite and shiny metallic sulphides; some tremolite + epidote skarn
Garnet skarn with increasing epidote to the west
Porphyry dyke
Porphyry dyke
Massive garnet skarn
Garnet skarn
Semi-mineralized pyrrhotite, magnetite skarn with malachite and chalcopyrite
JKD
uTC
JKD
uTNv
JKD
uTNv
uTrC
uTNv
uTNv
uTNv
SK
NORTH
Observed geological contact
Inferred geological unit boundary
Outcrop boundary
Linear feature
Bedding strike and dip
Skarn
Claim boundary
KRPS Kluane Range Plutonic Suite intrusive
Intermediate dyke
Mafic dyke
JKD Dezadeash Formation clastic sediments
uTC Chitistone Formation limestone
uTNv Nicolai Formation basalt
NAD 83
NTS 115 F/15 Zone 7
AUGER RESOURCES LTD.
ATAC RESOURCES LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARN WEST DETAILED GEOLOGY
ARN PROPERTY
0 100 200 300 400m
DRAWN / REVISED BY: M. Kammerer
PROJECT: ARN
FILE:2008\ARN\FIGURES\Arn-F_PROPERTY GEOLOGY.dwg
DATE: DECEMBER 2008