

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B1L8

Telephone: 604-688-2568

Fax: 604-688-2578

ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING

at the

STEN PROPERTY

Sten 1-20	YC99501-YC99520
21-38	YC99523-YC99540
39-54	YD08485-YD08500
55-142	YD10405-YD10492
Dale 1-12	YD08533-YD08544

NTS 106C/01 & 02

Latitude 64°07'N; Longitude 132°27'W

Mayo Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.

by

S. Eaton, B.Sc. Geology, GIT
January 2010

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INTRODUCTION

The Sten property covers an area of anomalous gold and arsenic stream sediment geochemistry that lies within a favourable geological belt, 100 km along trend of ATAC Resources Ltd.'s highly prospective Rau property. The Sten property is wholly owned by ATAC.

This report describes a three day exploration program that was conducted by Archer, Cathro & Associates (1981) Limited in summer 2009 on behalf of ATAC. The work was performed on June 21 and 28, and September 5. It comprised regional- and detailed-scale stream sediment sampling, minor soil sampling and prospecting. The author participated in and directed all three parts of the program, and her Statement of Qualifications is in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Sten property consists of 154 contiguous mineral claims, which are located in central Yukon at latitude 64°07' north and longitude 132°27' west on NTS map sheets 106C/01 and 106C/02 (Figure 1). In June 2009 an initial 20 claims were staked, in September the property was expanded by 18 claims, and in fall a further 116 claims were added. Collectively the property covers an area of approximately 3100 hectares (31 sq km). The claims are all registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC. Specifics concerning claim registration are tabulated below while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Sten 1-20	YC99501-YC99520	July 28, 2010
21-38	YC99523-YC99540	September 11, 2010
39-54	YD08485-YD08500	November 5, 2010
55-142	YD10405-YD10492	November 24, 2010
Dale 1-12	YD08533-YD08544	November 5, 2010

* Expiry dates do not include 2009 work that has not yet been filed for assessment credit.

Daily access to and from the property was provided by Bell 206L4 and Hughes 500D helicopters operated by Fireweed Helicopters Ltd. from a camp at the Rau property, located 100 km to the west.

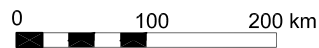
The Sten property lies 180 km east-northeast of Mayo, the nearest supply centre. The closest road access is at the community of Keno City situated about 49 km by road northeast of Mayo and 150 km by air west-southwest of the property. Mayo and Keno City can be reached in all seasons by two wheel drive vehicles using the Yukon highway system.

If future work programs on the property are not done in conjunction with work on nearby properties, access should be by helicopter from Keno City. If required, float-equipped fixed-wing aircraft can land at Ortell Lake, 25 km west-southwest of the property. Fixed-wing aircraft on wheels can use the Rackla airstrip, about 40 km to the west-northwest of the property.

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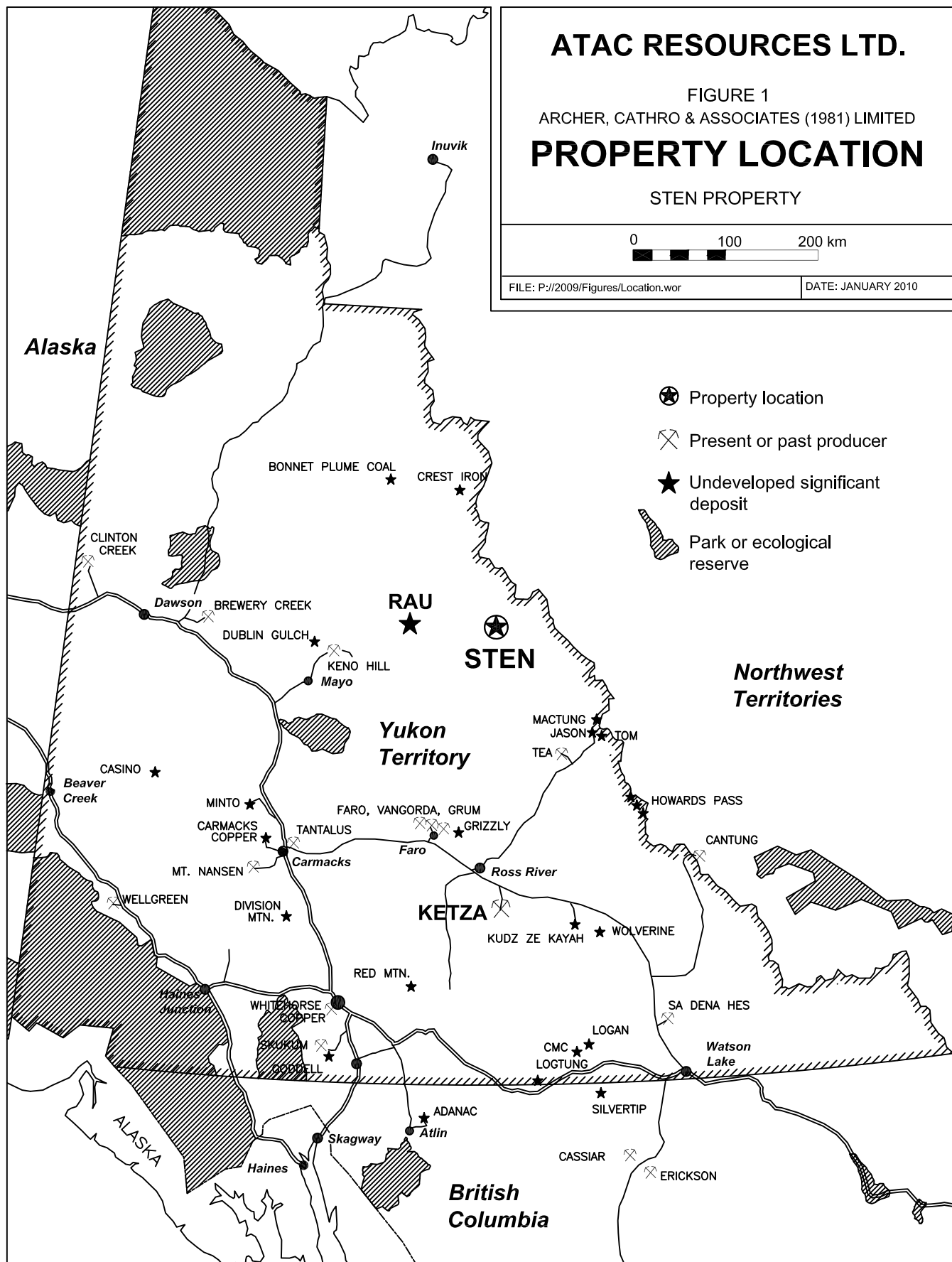
FIGURE 1 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED PROPERTY LOCATION

STEN PROPERTY

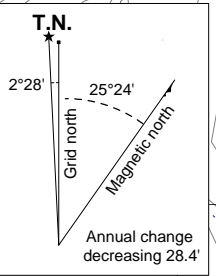


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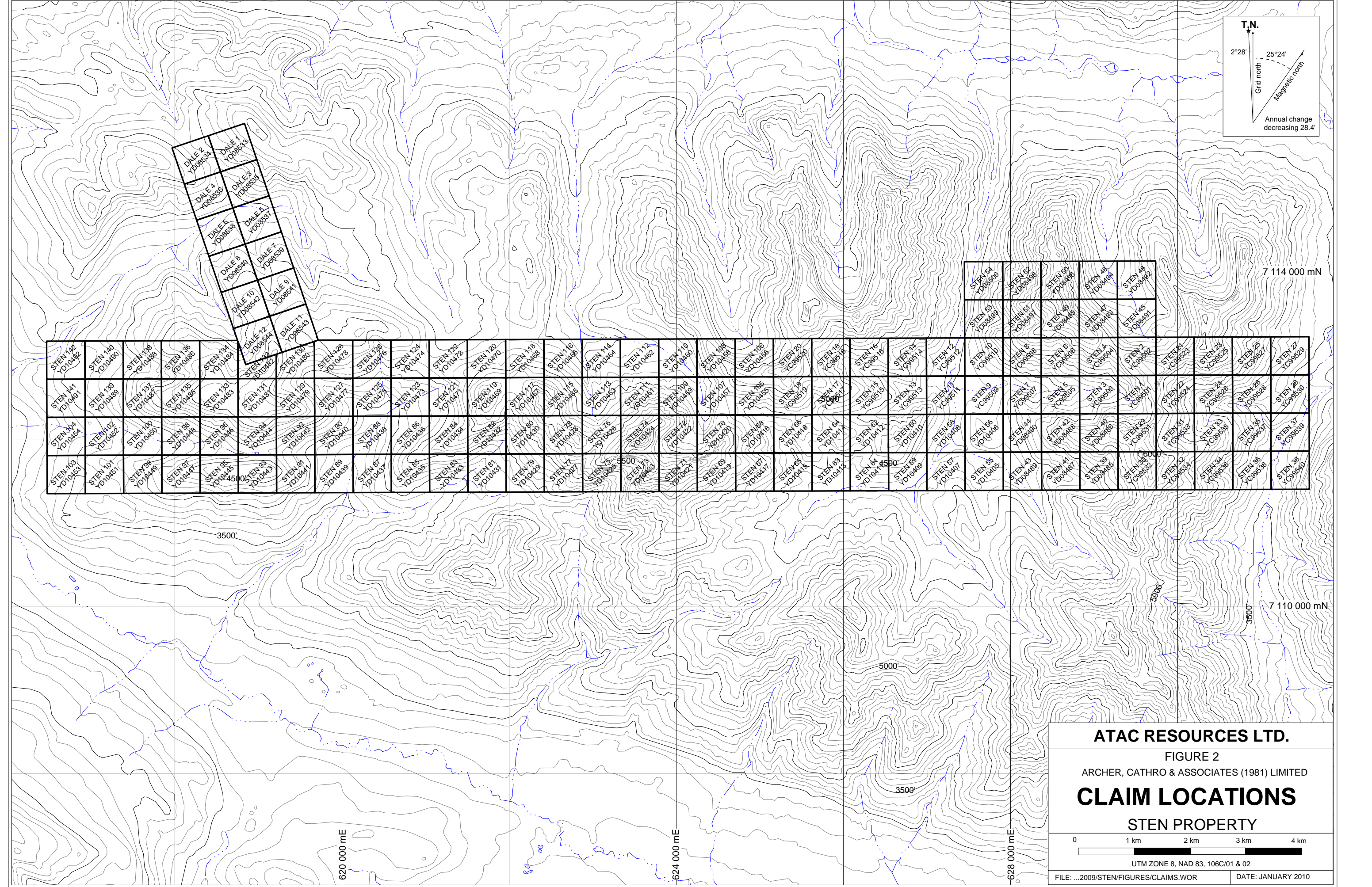
- Property location
- Present or past producer
- Undeveloped significant deposit
- Park or ecological reserve



STEN 142 YD10482	STEN 140 YD10480	STEN 138 YD10478	STEN 136 YD10486	STEN 134 YD10484	STEN 132 YD10482	STEN 130 YD10480	STEN 128 YD10478	STEN 126 YD10476	STEN 124 YD10474	STEN 122 YD10472	STEN 120 YD10470	STEN 118 YD10468	STEN 116 YD10466	STEN 114 YD10464	STEN 112 YD10462	STEN 110 YD10460	STEN 108 YD10458	STEN 106 YD10456	STEN 20 YC99520	STEN 18 YC99518	STEN 16 YC99516	STEN 14 YC99514	STEN 12 YC99512	STEN 10 YC99510	STEN 8 YC99508	STEN 6 YC99506	STEN 4 YC99504	STEN 2 YC99502	STEN 34 YD08500	STEN 32 YD08508	STEN 30 YD08506	STEN 28 YD08504	STEN 26 YD08502	STEN 24 YD08500	STEN 22 YD08498	STEN 20 YD08496	STEN 18 YD08494	STEN 16 YD08492	STEN 14 YD08490	STEN 12 YD08488	STEN 10 YD08486	STEN 8 YD08484	STEN 6 YD08482	STEN 4 YD08480	STEN 2 YD08478	STEN 34 YC99534	STEN 32 YC99532	STEN 30 YC99530	STEN 28 YC99528	STEN 26 YC99526	STEN 24 YC99524	STEN 22 YC99522	STEN 20 YC99520	STEN 18 YC99518	STEN 16 YC99516	STEN 14 YC99514	STEN 12 YC99512	STEN 10 YC99510	STEN 8 YC99508	STEN 6 YC99506	STEN 4 YC99504	STEN 2 YC99502	STEN 34 YC99534	STEN 32 YC99532	STEN 30 YC99530	STEN 28 YC99528	STEN 26 YC99526	STEN 24 YC99524	STEN 22 YC99522	STEN 20 YC99520	STEN 18 YC99518	STEN 16 YC99516	STEN 14 YC99514	STEN 12 YC99512	STEN 10 YC99510	STEN 8 YC99508	STEN 6 YC99506	STEN 4 YC99504	STEN 2 YC99502																										
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STEN 103 YD10453	STEN 101 YD10451	STEN 99 YD10449	STEN 97 YD10447	STEN 95 YD10445	STEN 93 YD10443	STEN 91 YD10441	STEN 89 YD10439	STEN 87 YD10437	STEN 85 YD10435	STEN 83 YD10433	STEN 81 YD10431	STEN 79 YD10429	STEN 77 YD10427	STEN 75 YD10425	STEN 73 YD10423	STEN 71 YD10421	STEN 69 YD10419	STEN 67 YD10417	STEN 65 YD10415	STEN 63 YD10413	STEN 61 YD10411	STEN 59 YD10409	STEN 57 YD10407	STEN 55 YD10405	STEN 53 YD10403	STEN 51 YD10401	STEN 49 YD10399	STEN 47 YD10397	STEN 45 YD10395	STEN 43 YD10393	STEN 41 YD10391	STEN 39 YD10389	STEN 37 YD10387	STEN 35 YD10385	STEN 33 YD10383	STEN 31 YD10381	STEN 29 YD10379	STEN 27 YD10377	STEN 25 YD10375	STEN 23 YD10373	STEN 21 YD10371	STEN 19 YD10369	STEN 17 YD10367	STEN 15 YD10365	STEN 13 YD10363	STEN 11 YD10361	STEN 9 YD10359	STEN 7 YD10357	STEN 5 YD10355	STEN 3 YD10353	STEN 1 YD10351	STEN 33 YC99533	STEN 31 YC99531	STEN 29 YC99529	STEN 27 YC99527	STEN 25 YC99525	STEN 23 YC99523	STEN 21 YC99521	STEN 19 YC99519	STEN 17 YC99517	STEN 15 YC99515	STEN 13 YC99513	STEN 11 YC99511	STEN 9 YC99509	STEN 7 YC99507	STEN 5 YC99505	STEN 3 YC99503	STEN 1 YC99501	STEN 33 YC99533	STEN 31 YC99531	STEN 29 YC99529	STEN 27 YC99527	STEN 25 YC99525	STEN 23 YC99523	STEN 21 YC99521	STEN 19 YC99519	STEN 17 YC99517	STEN 15 YC99515	STEN 13 YC99513	STEN 11 YC99511	STEN 9 YC99509	STEN 7 YC99507	STEN 5 YC99505	STEN 3 YC99503	STEN 1 YC99501																				

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FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CLAIM LOCATIONS
 STEN PROPERTY

UTM ZONE 8, NAD 83, 106C/01 & 02
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HISTORY AND PREVIOUS WORK

The earliest reported exploration in the vicinity of what is now the Sten property occurred in 1976 when a number of claim blocks were staked as a result of various silver-lead-zinc discoveries made in the area. Three of those claim blocks (Ida, Red and Eira) lay adjacent to or slightly overlapped the southern portion of the current Sten property. The Ida claims were staked by G. Bleiler, the Red claims by M. Bratlien and the Eira claims by the Ortell Syndicate (Deklerk and Traynor, 2005).

In 1977, the Ida claims were optioned by a joint venture between DeJour Mines Limited and Nova-Co Exploration Limited (Thompson, 1977), which explored with mapping and geochemical sampling. Work in the northwest portion of that property returned moderately anomalous zinc values (based on a 475 ppm threshold), with erratic lead and silver support. No values were reported for gold or arsenic.

In 1977, prospecting and stream sediment sampling were carried out on the Eira property by the Ortell Syndicate (Curry, 1977). Anomalous silver and zinc results (up to 2.4 and 680 ppm, respectively) led to a second phase of exploration, which comprised grid soil sampling and minor geological mapping. The second phase returned a number of moderate, non-coincident silver, zinc and lead anomalies. Again, no data was reported for gold or arsenic.

No record of work was found for the Red claims.

In 2001, the Geological Survey of Canada completed a regional stream sediment sampling program, which included coverage of the current Sten property (Heon, 2003). Creeks draining the area of the Sten claims returned strong gold and arsenic anomalies from that program.

GEOMORPHOLOGY AND CLIMATE

The Sten property is situated in the Selwyn Mountains and is drained by creeks that flow into the Nadaleen and Stewart Rivers, which are both part of the Yukon River watershed. Local topography is alpine to subalpine and features north- and south-trending rocky spurs and valleys that flank a main east-west trending ridge. Elevations range from about 1000 to 2000 m above sea level. Outcrop is most abundant near ridge crests and in actively eroding creek beds. Most hillsides are talus covered at higher elevations and are blanketed by glacial till at lower elevations. Soil development is moderate to poor in most areas.

Treeline in the vicinity of the property is at about 1500 m. Slopes above that elevation are unvegetated. The density and size of vegetation gradually increases on lower slopes, and the valley floors are well treed with mature black spruce. Understorey typically consists of low shrubs and moss. Moderately steep, south facing slopes are well drained and are often lightly forested with poplar. Steep, north facing slopes are usually unvegetated.

The climate in the Sten area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively

mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from early June to late September.

GEOLOGY

The Geological Survey of Canada performed geological mapping in the vicinity of the Sten property at 1:250,000 scale in the early 1970s (Blusson, 1974). In 1999, Gordey and Makepeace completed a compilation of Yukon-wide geology and updated the lithological unit names in the Sten area.

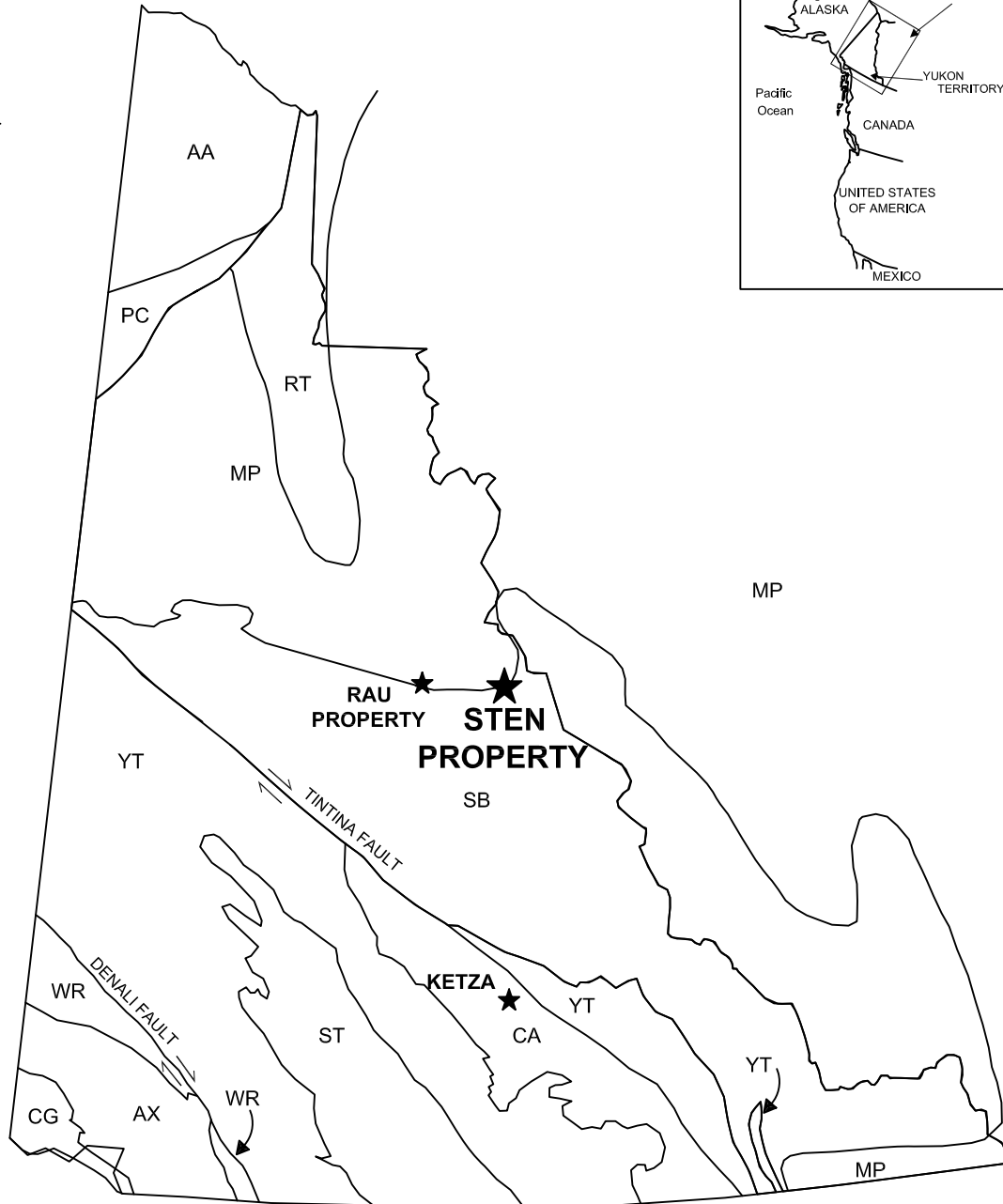
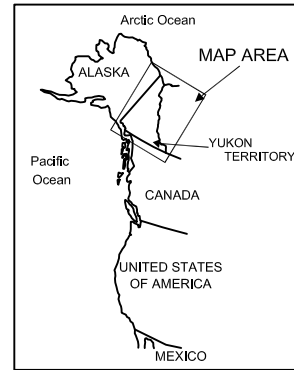
The Sten property lies immediately north of the Dawson Thrust Fault, a crustal break of probable Cambrian age that formed the edge of Selwyn Basin and later reactivated as a north directed thrust (Pyle et al., 2007). The Dawson Thrust Fault juxtaposes rocks of Selwyn Basin to the south against Mackenzie Platform to the north (Figure 3). Selwyn Basin stratigraphy consists of regionally metamorphosed, basinal sediments of Neoproterozoic to Paleozoic age. Mackenzie Platform stratigraphy comprises dominantly shallow water carbonate and clastic sediments that were deposited from Mid-Proterozoic through Paleozoic times. Both packages of sediments were deposited on the western margin of ancestral North America.

The geology in the region includes two main sedimentary units classified by Gordey and Makepeace (1999) as Bouvette Formation and Hyland Group (Figure 4).

The Hyland Group, which consists of the Yusezyu Formation and the conformably overlying Narchilla Formation, comprises the stratigraphic floor of the region. The Yusezyu Formation is typified by a variably metamorphosed, fine to coarse grained, gritty, quartz-rich succession of evenly interbedded sandstone and shale (PCH1) capped by a thin discontinuous limestone member (PCH2) (Lindsay, 2006). The sedimentary fabric and general morphology of the Yusezyu Formation are consistent with deposition by sedimentary gravity flows in an upper or mid submarine fan setting in shallow to moderately deep water (Gordey and Anderson, 1993). Primitive trace fossils found within the formation suggest that it is Upper Proterozoic in age (Fritz et al., 1983). The Narchilla Formation (PCH3) is characterized by recessive, maroon to green shale and sandstone. The sedimentary structures observed in this formation are indicative of deposition from sedimentary gravity flows, likely turbidites, under calm, relatively deep water conditions (Gordey and Anderson, 1993). Based on trace fossil evidence, the Narchilla Formation is classified as Late Precambrian to Early Cambrian in age (Fritz et al., 1983).

The Bouvette Formation unconformably (?) overlies the Hyland Group. It comprises grey- and buff-weathering dolomite and limestone with rare black shale.

Most areas in the vicinity of the Sten property are mapped as undifferentiated Hyland Group; however, specific sub-units are locally distinguished. Approximately 10 km south of the property there are thick east-west trending horizons of PCH1 and PCH3 and, scattered around it, there are irregularly shaped, moderately lenticular bodies of PCH2. The Bouvette Formation occurs as a set of sub-parallel, east-west trending, relatively thin, lenticular horizons within and to the west of the claims.



ANCESTRAL NORTH AMERICA

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

TERRANES
Displaced Continental Margin

- AA Arctic Alaska
- CA Cassiar
- PC Porcupine

Pericratonic Terranes

- YT Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

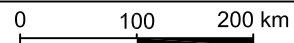
- ST Sikinia / Cache Creek
- AX Alexander
- WR Wrangellia
- CG Chugach

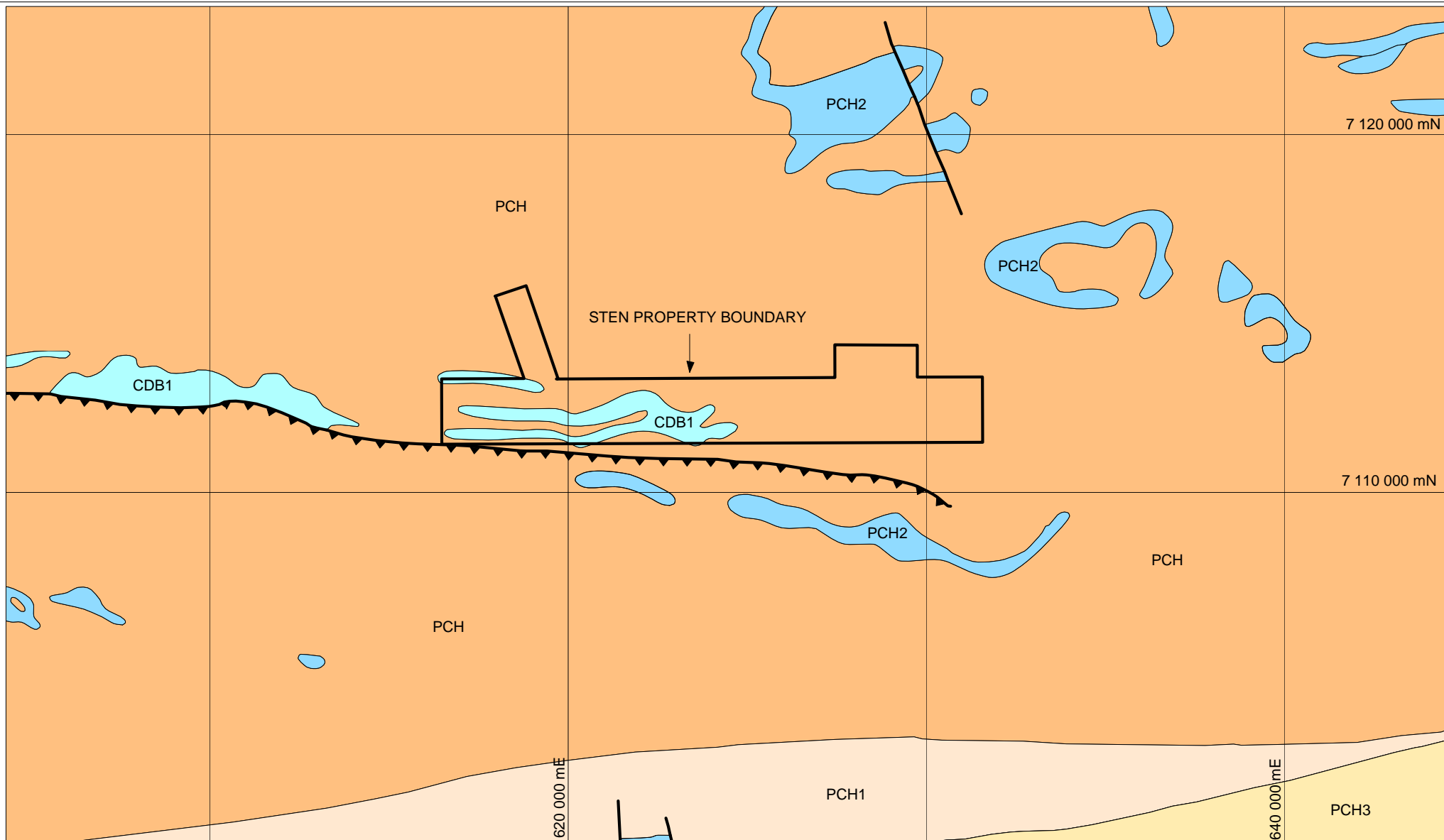
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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FIGURE 3

**TECTONIC SETTING
STEN PROPERTY**





*After Gordey and Makepeace, 1999.

UPPER CAMBRIAN TO LOWER DEVONIAN

CDB1 BOUVETTE FORMATION

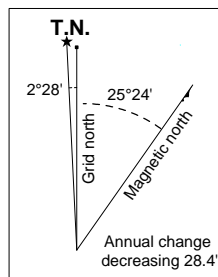
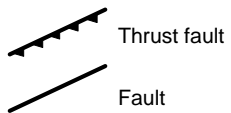
UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCH3 HYLAND GROUP - Narchilla Formation

PCH2 HYLAND GROUP - limestone member of Yusezyu Formation

PCH1 HYLAND GROUP - Yusezyu Formation

PCH HYLAND GROUP - undifferentiated



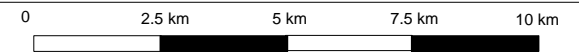
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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY

STEN PROPERTY



UTM ZONE 8, NAD 83, 106C/01 & 02

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DATE: JANUARY 2010

The two main units, with corresponding sub-units, are described in greater detail in the following table.

Table I – Lithological Units (after Gordey and Makepeace, 1999)

Unit Name	Map Name	Age	Description
Bouvette Formation	CDB1	Upper Cambrian to Lower Devonian	Grey- and buff-weathering dolomite and limestone, medium to thick bedded; white to light grey weathering, massive dolomite; minor platy black argillaceous limestone, limestone conglomerate and black shale; massive bluish-grey weathering dolostone.
Unconformity (?)			
Hyland Group	PCH (Undifferentiated)	Upper Proterozoic to Lower Cambrian	Consists upwards of coarse turbiditic clastics (PCH1); limestone (PCH2) and fine clastics typified by maroon and green shale (PCH3).
	PCH3 (Narchilla Formation)	Upper Proterozoic to Lower Cambrian	Distinctive, recessive, maroon weathering, interbedded maroon and apple-green shale; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate.
	PCH2 (Limestone member of Yusezyu Formation)	Upper Proterozoic	Grey weathering, dark grey to grey-white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (PCH1).
	PCH1 (Yusezyu Formation)	Upper Proterozoic	Thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit and quartz-pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble.

The main structural trend in the area is east-west. Both bedding and the Dawson Thrust Fault, which surfaces about one kilometre south of the property boundary, parallel this trend. The Dawson Thrust Fault is shown to truncate near the eastern edge of the property. The nature of this truncation is uncertain but it may be related to an unidentified north-northwest trending normal fault because a few structures of this type have been mapped in the area. There are many linear drainages with northerly orientations that could mark faults of this type, but the lack of outcrops and relatively homogenous nature of the sediments make it difficult to recognize offsets.

STREAM SEDIMENT, SOIL AND ROCK GEOCHEMISTRY

A total of 82 stream sediment, 1 rock and 9 soil samples were collected on or around the Sten property in 2009. The locations of all samples are illustrated on Figure 5. Results for gold and arsenic are illustrated thematically on Figures 6 and 7, respectively. Sampling and Analytical Procedures are explained in Appendix II, the rock sample description is provided in Appendix III and Certificates of Analysis are given in Appendix IV.

The 2001 GSC reconnaissance stream sediment survey that was done in the area reports 99th percentile gold and arsenic values for samples taken from streams draining the Sten property (Heon, 2003). Regional background levels for these elements are 3 ppb or less for gold and 20 ppm or less for arsenic using the 80th percentile values from the GSC survey as thresholds. Arsenic and gold results for GSC samples taken from creeks on or near the Sten property are shown on Figures 6 and 7, while sampling and analytical procedures are described in Appendix II.

During the 2009 program, 82 stream sediment samples were collected from streams draining the Sten property to provide more detailed coverage than is available from GSC survey data. A westerly flowing creek (Clifton Creek) in the eastern portion of the property returned a string of moderately to very strongly anomalous results ranging from 12 to 1775 ppb gold and 123 to 155,000 ppm arsenic (Clifton Anomaly). The creeks draining easterly and northerly from the ridge at the head of Clifton Creek are also moderately to strongly anomalous for both elements; however, the sample density is much lower on these creeks. An area in the northwestern portion of the property contains a second cluster of samples with moderately anomalous arsenic values (Dale Anomaly).

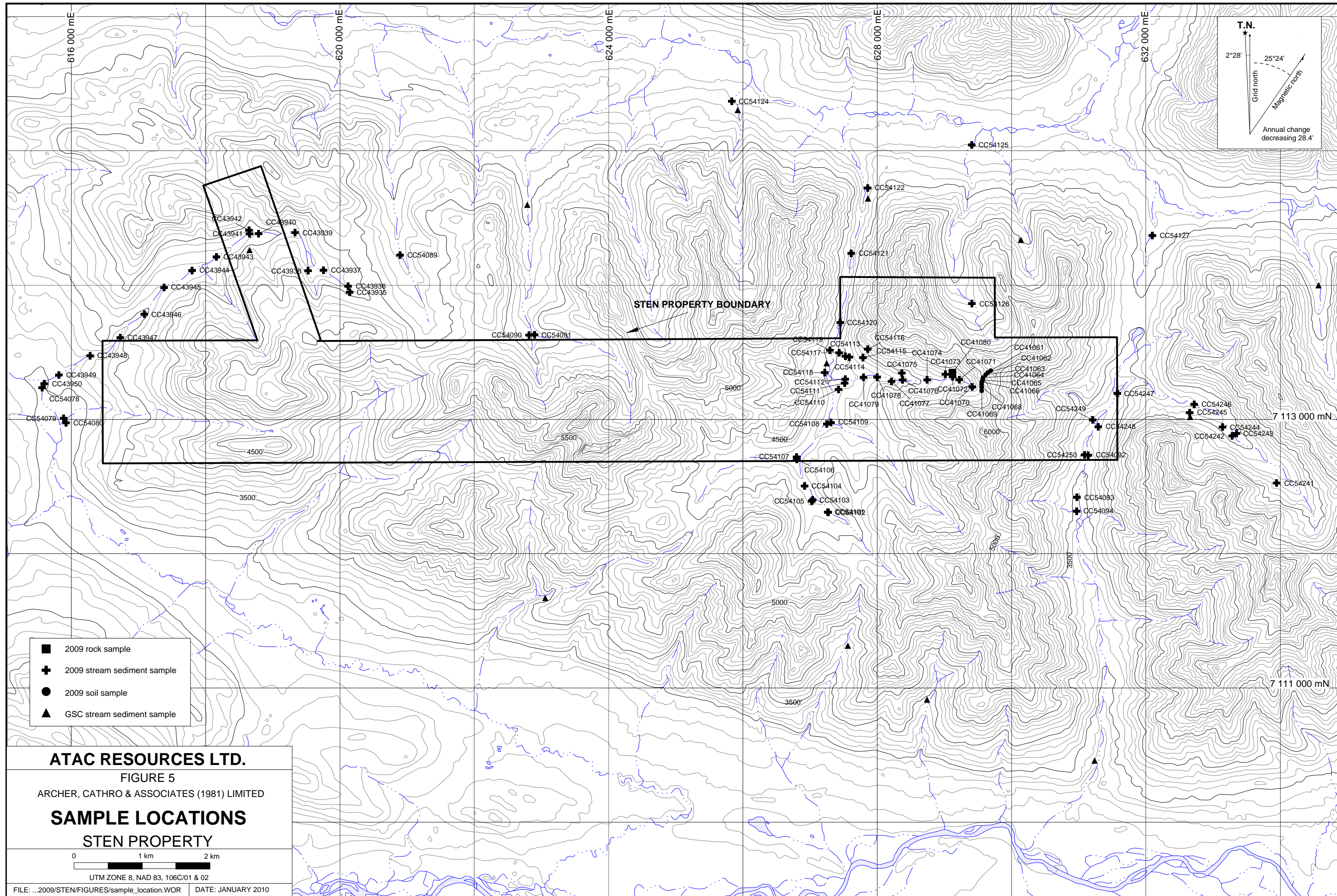
Table II lists the percentile threshold values for stream sediment samples collected in 2009.

**Table II - Thresholds for Stream Sediment Values
(Heon, 2003)**

Thresholds	Au (ppb)	As (ppm)
90 th percentile	51	842
95 th percentile	81	1151
98 th percentile	110	2201
99 th percentile	459	32568
Peak Value	1775	155000

Nine closely spaced soil samples were collected along a ridge at the head Clifton Creek. All of these samples returned background levels for gold. Arsenic values were near background except for one sample that yielded 428 ppm.

Prospecting was done along some creek beds, but its effectiveness was limited by thick vegetation and a rarity of outcrop. One rock sample composed of several chips from tufa boulders was taken near the head of Clifton Creek. It yielded negligible gold and arsenic values.



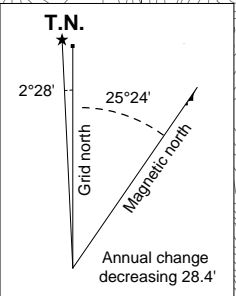
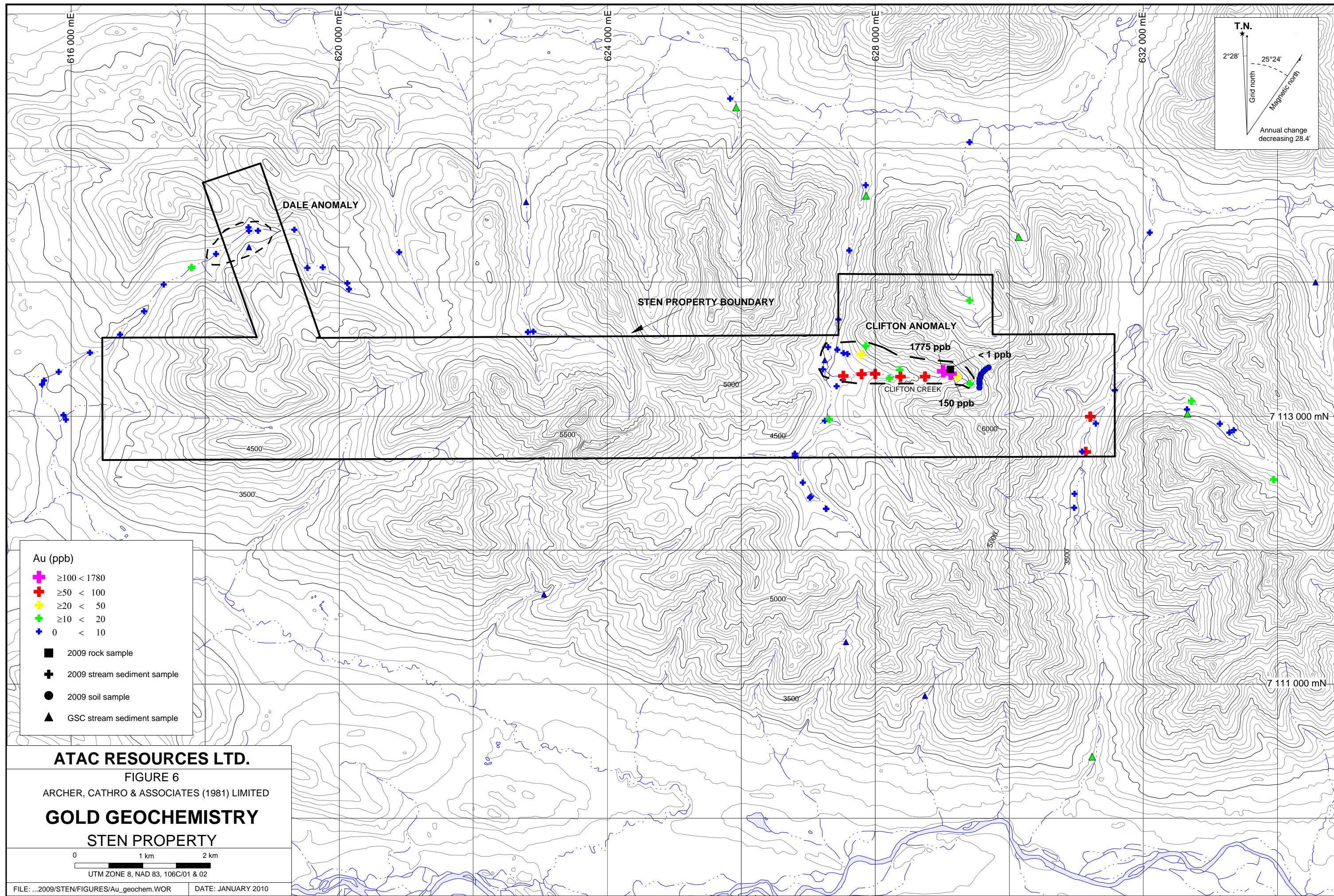
ATAC RESOURCES LTD.

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

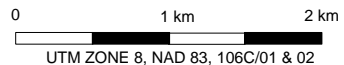
SAMPLE LOCATIONS

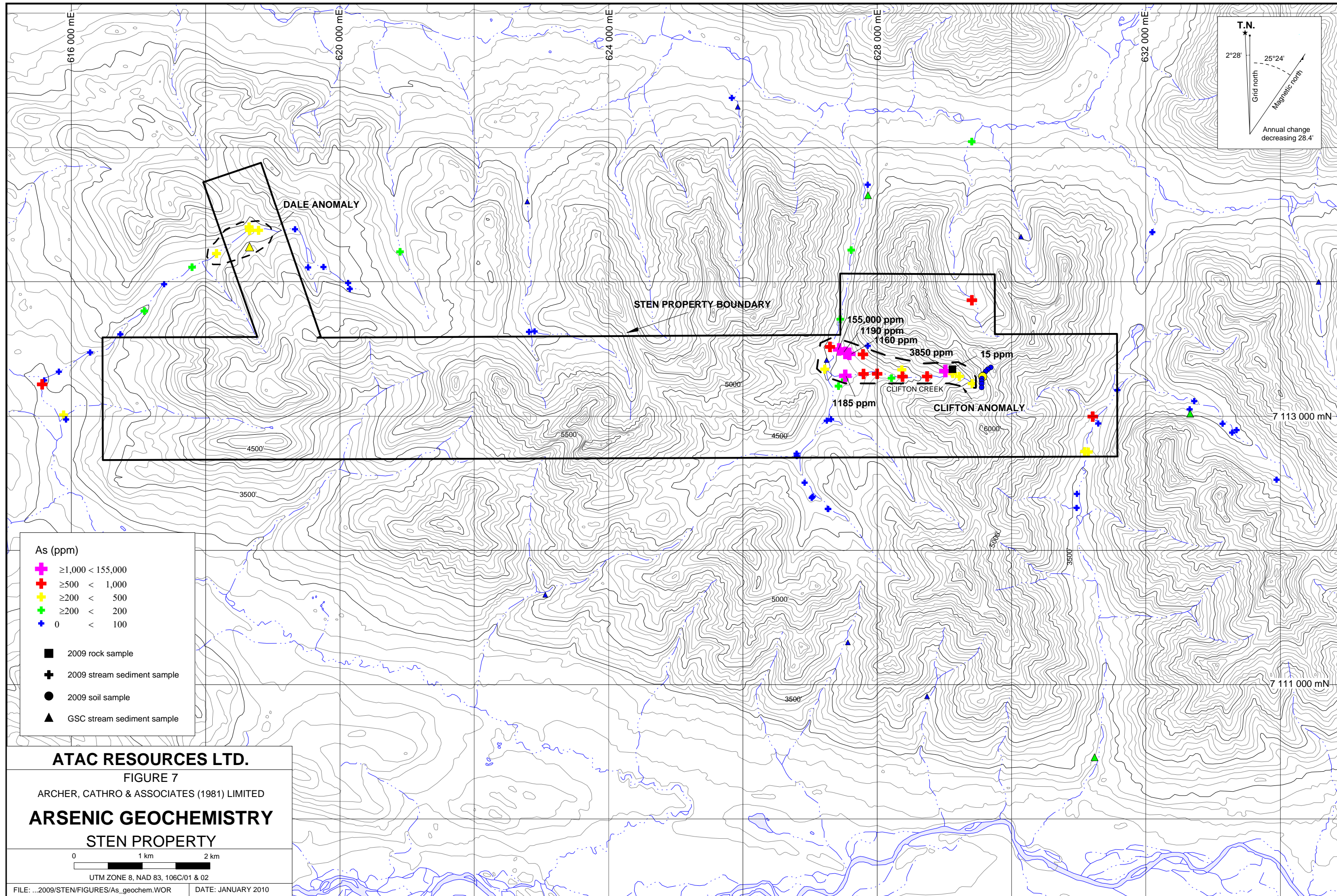
STEN PROPERTY



- Au (ppb)**
- ✚ ≥100 < 1780
 - ✚ ≥50 < 100
 - ✚ ≥20 < 50
 - ✚ ≥10 < 20
 - ✚ 0 < 10
- 2009 rock sample
 - ✚ 2009 stream sediment sample
 - 2009 soil sample
 - ▲ GSC stream sediment sample

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





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FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC GEOCHEMISTRY

STEN PROPERTY

DEPOSIT MODEL

The deposit model being used to explore the Sten property is not well documented in the literature but is rapidly evolving. Three deposits – Long Canyon in Nevada (Fronteer, 2009), Ketzka River in southeastern Yukon (Yukon-Nevada, 2009) and Rau in east-central Yukon (Dumala, 2009) – have mineralogical and geochemical signatures that resemble that of the Sten target. They also exhibit textural similarities and are hosted by deformed, platform carbonate rocks. Fonseca (1998) characterized the Ketzka River deposit as a poorly understood type of gold-rich, base metal-poor, carbonate-hosted replacement deposit, seemingly related to a buried intrusion.

The Rau property is probably the best deposit model for the Sten property because it lies in a very similar geological setting only 100 km to the west along the Dawson Thrust Fault. Both properties are situated in the lower plate of the thrust and are largely underlain by Bouvette Formation carbonate rocks.

The Rau property is primarily of interest for gold, though it also hosts lead-zinc-silver and tungsten mineralization. Known mineral occurrences and geochemical results, throughout the Rau property, show a distinct metal zonation outwards from a high level, Late Cretaceous granitic stock. Tungsten is significantly enriched near the intrusion where scheelite is found in tremolite skarns and wolframite±tantallite in granite. Further to the northwest tungsten gives way to increased bismuth, arsenic and gold in replacement bodies and veins. Towards the edge of the system, lead and zinc become more dominant (Dumala, 2009).

The most significant discovery at Rau is the Tiger Zone, a thick northwesterly trending body of carbonate replacement style gold mineralization hosted by a moderately northeast dipping horizon. It is currently 600 m long, 100 to 200 m wide and up to 90 m thick and remains open to extension along strike and downdip at both ends of the known zone (ATAC, 2009a). The mineralization occurs within a stacked sequence of dolomite (Bouvette Formation) and volcanoclastic strata, which have been folded and later intruded by the granitic stock. Metalliferous fluids are believed to have migrated outward from the intrusion, along northwest trending fold hinges beneath volcanoclastic horizons that acted as impermeable caps. As the fluids were buffered by reactions with the dolomite, metals were precipitated (Dumala, 2009). To date, three mineralized horizons have been identified, with the middle horizon producing the best assays. The main sulphide minerals are pyrite, arsenopyrite and pyrrhotite, while accessory minerals include bismuthinite, scheelite and sphalerite (ATAC, 2008). The northwestern portion of the Tiger Zone is completely oxidized and features a high grade core where the best intersection graded 24.07 g/t gold across 28.04 m. The remainder of the zone consists of near surface oxide and deeper sulphide type mineralization. Complete oxidation extends up to 150 m from surface (ATAC, 2009a).

ATAC has also identified six other surface gold zones by following up high values from grid and widely spaced reconnaissance soil sampling. The best zones and their related soil geochemical anomalies are in a 500 m wide belt, which lies 2 to 5 km along strike to the northwest of the Tiger Zone. Anomalous soil geochemical values stretch intermittently for about 22 km to the northwest along a well defined structural trend that is marked by magnetic highs and

electromagnetic conductors. Surface rock samples collected from talus or recessive weathering gullies within the new zones assayed between 1 and 18.5 g/t gold. These samples are all oxidized and some samples contain more silver, lead and zinc than is typically found at the Tiger Zone (ATAC, 2009b).

An extensive stream sediment sampling survey was carried out on the Rau property in 2008. One creek (Tiger Creek), which flows through a window of exposed Tiger Zone mineralization, returned strongly anomalous results for gold and arsenic. Most other creeks on the property yielded weak to moderate results, with sporadic stronger values (Dumala, 2009). Stream sediment results from the Rau and Sten properties are compared for several elements in the following table, with data from Tiger and Clifton creeks shown separately from the remainder of the creeks on each property.

Table III – Comparison of Stream Sediment Values from the Rau and Sten Properties

Location	Tiger Creek		Clifton Creek		Other Rau Creeks		Other Sten Creeks	
# Samples	23		19		431		63	
Element	Avg	Range	Avg	Range	Avg	Range	Avg	Range
Au (ppm)	0.047	0.004 - 0.179	0.130	<0.001 - 1.775	0.005	<0.001 - 0.087	0.006	<0.001 - 0.081
Ag (ppm)	0.3	<0.2 - 0.8	0.2	<0.2 - 0.8	0.3	<0.2 - 7.6	0.3	<0.2 - 1.7
As (ppm)	155	15 - 416	793*	84 - 155000	23	1 - 1090	115	11 - 748
Bi (ppm)	5	<2 - 16	<2	<2 - 3	2	<2 - 30	<2	<2 - 3
Cu (ppm)	26	19 - 34	53	4 - 110	24	0.5 - 258	49	22 < 146
Fe (%)	2.99	2.45 - 3.60	4.14*	3.12 - 23.90	2.30	0.38 - >50	3.92	1.97 - 7.74
Hg (ppm)	<1	<1 - 1	3	<1 - 42	<1	<1 - 2	<1	<1 - 1
Pb (ppm)	29	17 - 42	29	1 - 76	45	1 - 439	23	1 - 74
Sb (ppm)	2	<2 - 5	2	<2 - 4	2	<2 - 24	<2	<2 - 3
W (ppm)	<10	<10 - 30	<10	<10	<10	<10 - 50	<10	<10
Zn (ppm)	387	258 - 581	238	19 - 824	389	18 - 25000	224	77 - 1240

* Excludes exceptionally high values of 155000 ppm arsenic and 23.90% iron.

Rau stream sediment samples were collected from drainages on either side of a prominent ridge for 29 km along a northwesterly trend. Samples were taken at 200 m spacings along all the creeks in the trend. Sten stream sediment samples were collected along an 18 km strike length from creeks draining either side of an east-west trending ridge. Only Clifton Creek was sampled at 200 m spacings; the remainder of the creeks were represented by only one sample or were tested at 500 m intervals. Samples from both properties were analyzed by the same techniques, see Appendix II for details.

The table comparing of Clifton and Tiger creeks reveals that Clifton Creek is about 2.5 times richer in gold and much more elevated in arsenic. Copper, iron and mercury are about twice as strong in Clifton Creek but bismuth and zinc are weaker. Lead, silver and antimony are comparable. Tungsten values from both creeks are low, which may be due to incomplete digestion of resistate elements by the analytical technique used. The elevated mercury and low bismuth values from Clifton Creek suggest that the host rocks are further from a heat source than those at Tiger Creek.

The remainder of the creeks on the two properties produced comparable for most elements. However, creeks in the Sten area generally contain more arsenic, copper and iron, while those in the Rau area are higher in lead and zinc.

DISCUSSION AND CONCLUSIONS

The Sten property lies at the boundary between Mackenzie Platform and Selwyn Basin, within geomorphological and geological settings that resemble those at the newly discovered Rau gold property. Some of the similarities between the Sten and Rau targets include:

- 1) Geomorphology – both are sandwiched between major rivers to the north and south, and cover ridge systems with sub-alpine to alpine, moderate to rugged terrain;
- 2) Lithology – both are largely underlain by Bouvette Formation limestone and dolomite;
- 3) Structure – both lie in the lower plate of the Dawson Thrust Fault; and
- 4) Geochemistry – both are strongly anomalous for gold and arsenic.

The major difference between the two properties is that the Rau deposit occurs near a known intrusion, while the closest intrusion to the Sten target is situated 40 km to the south-southeast. It is possible that mineralization on the Sten property, like that at Ketz River, could represent a distal manifestation of intrusion-related gold mineralization (Fonseca, 1998). It is also possible that an intrusive body is located closer to the property but is buried beneath overburden, is hidden under the thrust or is deeper in the earth.

The 2009 stream sediment sampling at the Sten property confirmed the presence of very high gold and arsenic values in Clifton Creek and identified another anomalous area in the northwest corner of the property. Values for gold and arsenic from Clifton Creek are much stronger than those from Tiger Creek, which is eroding through a window of exposed mineralization at the Rau property.

The Sten property definitely warrants additional work to better assess the character and extent of the geochemical anomalies and to search for mineralization that might be the source of these anomalies. Soil sampling has proven to be a very effective technique at the Rau property; and therefore, a two part soil sampling survey is recommended at the Sten property. The first part should consist of closely spaced contour and grid soil sampling, prospecting and detailed geological mapping in the vicinity of the Clifton Anomaly to identify the probable source area. The other part should comprise widely spaced contour soil samples around the Dale Anomaly combined with stream sediment sampling on creeks that were missed during the 2009 program.

Fonseca (1998) stresses the importance of recognizing folds, faults and favourable carbonate strata, since they are the principal controls over the location of mineralization in gold-rich, carbonate-hosted replacement deposit. As such, particular emphasis should be placed on identifying these features.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sarah Eaton, B.Sc. Geology, GIT

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 2007 with a B.Sc. in Honours Geological Sciences.
2. From 2002 to present, I have been actively engaged in mineral exploration in 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 154922).
4. I have personally participated in the field work reported herein and have interpreted all data resulting from this work.

Sarah Eaton, B.Sc. (Hon.) Geology, GIT

APPENDIX II
SAMPLING AND ANALYTICAL PROCEDURES

2009 Rock Geochemical Samples

Rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit.

The rock samples were submitted to ALS Chemex in North Vancouver, British Columbia where they were dried and fine crushed to 70% passing 2 mm. A 250 g split of the crushed material was then pulverized to better than 85% passing 75 microns. Separate splits of the pulverized fraction were analyzed for gold by fire assay and atomic absorption spectroscopy (Au-AA26) and for 48 other elements using a four acid near total digestion technique (ME-MS61).

2009 Stream Sediment Geochemical Samples

Stream sediment geochemical samples were collected from most of the major drainages on the property. One or more samples were taken from each creek. Sample locations were recorded using handheld GPS units and were marked with orange flagging tape labelled with the sample number. Stream sediment samples were collected by hand and were placed into individually pre-numbered kraft paper bags.

The stream sediment samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 34 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-mass spectroscopy finish (Au-ICP21).

2009 Soil Geochemical Samples

The soil geochemical samples were collected at approximately 50 m spacings on a short contour line. Sample locations were recorded using handheld GPS units and were marked with orange flagging tape labelled with the sample number. Soil samples were collected using a mattock and were placed into individually pre-numbered kraft paper bags.

The soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 34 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-mass spectroscopy finish (Au-ICP21).

Stream Sediment Samples (Heon, 2003)

Using helicopters, stream sediments were collected from 321 sites on NTS map sheet 106C/01 during the summer of 2001. Sample sites were distributed at an average of one sample per 15 km². Sample site duplicate samples were routinely collected in each analytical block of twenty samples. The data are published as part of a compilation released by the Yukon Government: Yukon Regional Geochemical Database 2003 (Héon, compiler). The samples were analyzed by instrumental neutron activation (INAA).

APPENDIX III
ROCK SAMPLE DESCRIPTION

Rock Sample DescriptionsProject: StenProperty: Sten

Sample Number: Grid East: E Grid North: N Type: Dimension:
CC41080 UTM: 629119 E UTM: 7112698 N Sample Width: Abundance:
 Elevation: m

Comments: Random grab chips of tufa boulders below waterfall, close to source on side bank or hillside.

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 IV
CERTIFICATES OF ANALYSIS



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Dollarton Hwy

North Vancouver BC V7H 0A7

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

To: ATAC RESOURCES LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 16-OCT-2009

Account: RCM

CERTIFICATE VA09107935

Project: STEN

P.O. No.:

This report is for 1 Rock sample submitted to our lab in Vancouver, BC, Canada on 29-SEP-2009.

The following have access to data associated with this certificate:

AL ARCHER
BILL WENGZYNOWSKI

DOUG EATON

JOAN MARIACHER

SAMPLE PREPARATION

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

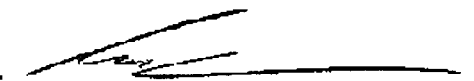
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

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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: STEN

Page: 2 - A
Total # pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-OCT-2009
Account: RCM

CERTIFICATE OF ANALYSIS VA09107935

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA26	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
CC41080		0.02	0.01	0.01	0.01	5	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
		0.18	<0.01	0.05	0.71	15	150	0.21	0.16	27.5	0.19	7.00	2.1	8	5.58	10.2



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Page: 2 - B

Total # Pages: 2 (A - D)

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CERTIFICATE OF ANALYSIS VA09107935

Sample Description	Method Analyte Units LOR	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
CC41080		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
		0.40	1.71	<0.05	0.3	0.007	0.24	3.7	6.9	0.65	76	0.26	0.02	1.1	3.0	100



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Project: STEN

Page: 2 - C

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 16-OCT-2009

Account: RCM

CERTIFICATE OF ANALYSIS VA09107935

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
CC41080		2.1	12.4	<0.002	0.11	0.11	3.1	3	0.3	708	0.08	0.08	1.1	0.039	0.16	0.3



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Project: STEN

Page: 2 - D

Total # Pages: 2 (A - D)

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Account: RCM

CERTIFICATE OF ANALYSIS VA09107935

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
Units		ppm	ppm	ppm	ppm	ppm
LOR		1	0.1	0.1	2	0.5
CC41080		10	0.2	3.9	10	10.2



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Project: STEN

je: Appendix 1

Total # Appendix Pages: 1

Finalized Date: 16-OCT-2009

Account: RCM

CERTIFICATE OF ANALYSIS VA09107935

Method	CERTIFICATE COMMENTS
ME-MS61 ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. REE's may not be totally soluble in this method.



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Page: 1

Finalized Date: 11-OCT-2009

Account: RCM

CERTIFICATE VA09107934

Project: STEN

P.O. No.:

This report is for 19 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-SEP-2009.

The following have access to data associated with this certificate:

AL ARCHER
BILL WENGZYNOWSKI

DOUG EATON

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-43	Screen to -500um, discard plus
PUL-31	Pulverize split to 85% <75 um

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

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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



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

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

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

Project: STEN

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Finalized Date: 11-OCT-2009
Account: RCM

CERTIFICATE OF ANALYSIS VA09107934

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC41061		0.34	0.004	<0.2	1.47	95	40	180	1.6	<2	0.25	<0.5	18	21	50	4.48
CC41062		0.34	0.003	<0.2	2.64	13	30	260	2.1	<2	0.14	<0.5	18	38	50	5.44
CC41063		0.26	0.005	<0.2	2.36	18	30	220	2.0	<2	0.55	<0.5	17	31	39	5.28
CC41064		0.30	0.004	<0.2	2.07	61	30	240	1.8	<2	1.26	<0.5	21	28	38	5.08
CC41065		0.20	0.002	<0.2	2.64	428	50	500	1.7	3	1.42	<0.5	33	39	44	7.12
CC41066		0.30	0.003	0.2	3.24	85	30	200	1.5	<2	1.78	<0.5	39	58	51	7.74
CC41067		0.30	0.003	<0.2	2.34	63	40	170	1.6	<2	1.27	<0.5	21	29	34	5.20
CC41068		0.22	0.003	<0.2	1.92	23	20	160	1.4	<2	1.07	<0.5	18	27	32	4.57
CC41069		0.28	0.003	<0.2	1.74	27	10	160	1.5	<2	0.90	<0.5	14	18	33	4.17
CC41070		0.40	0.012	<0.2	2.02	253	20	170	1.6	<2	1.27	<0.5	18	30	45	4.58
CC41071		0.28	0.043	<0.2	1.73	425	10	160	1.5	<2	1.24	<0.5	18	27	50	4.71
CC41072		0.20	0.150	0.2	1.88	267	20	210	1.2	<2	1.18	<0.5	15	25	73	4.41
CC41073		0.10	1.775	0.3	2.48	3850	30	310	1.4	<2	1.32	3.2	13	32	60	4.28
CC41074		0.26	0.080	<0.2	1.50	799	10	130	1.3	<2	1.63	<0.5	17	23	46	4.29
CC41075		0.28	0.019	<0.2	1.55	236	20	190	1.0	2	3.10	<0.5	14	21	53	4.35
CC41076		0.20	0.086	<0.2	2.00	944	20	170	1.4	<2	2.69	<0.5	15	27	43	3.99
CC41077		0.20	0.017	<0.2	1.57	123	10	200	1.4	<2	0.83	<0.5	15	20	36	3.78
CC41078		0.24	0.067	<0.2	1.82	952	20	160	1.2	<2	4.21	<0.5	14	23	39	3.96
CC41079		0.22	0.079	<0.2	1.91	981	20	150	1.2	<2	4.11	<0.5	14	23	41	4.11



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CERTIFICATE OF ANALYSIS VA09107934

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
CC41061		10	<1	0.64	<10	0.20	675	<1	<0.01	43	610	21	0.01	<2	8	32
CC41062		10	<1	0.77	40	0.61	348	2	0.08	34	1820	25	0.44	2	7	96
CC41063		10	1	0.69	20	0.44	437	1	0.06	36	1290	25	0.49	<2	8	100
CC41064		10	<1	0.52	30	0.45	699	1	0.04	48	1740	24	0.24	<2	7	96
CC41065		10	1	0.42	40	0.82	1105	1	0.02	62	2130	13	0.13	2	10	89
CC41066		10	1	0.25	40	1.97	1365	1	0.11	83	1850	10	0.07	<2	12	115
CC41067		10	<1	0.39	30	0.84	814	<1	0.03	40	1320	21	0.05	3	6	71
CC41068		10	<1	0.34	20	0.64	628	<1	0.01	40	1240	20	0.05	<2	6	57
CC41069		<10	<1	0.48	10	0.17	393	<1	0.02	31	970	26	0.05	2	7	51
CC41070		10	1	0.54	10	0.99	855	<1	0.02	43	650	22	0.01	2	8	59
CC41071		<10	<1	0.45	10	0.92	877	<1	0.02	47	670	23	0.01	<2	8	56
CC41072		10	1	0.45	10	0.68	549	<1	0.01	31	900	18	0.14	2	7	66
CC41073		10	1	0.64	10	0.65	899	<1	0.01	39	1340	23	0.10	4	7	76
CC41074		<10	1	0.43	10	1.02	810	<1	0.01	38	630	22	0.02	<2	7	59
CC41075		<10	1	0.53	10	1.91	697	<1	0.01	26	580	45	0.05	2	7	42
CC41076		10	1	0.61	10	1.46	821	<1	0.02	37	710	24	0.05	3	7	77
CC41077		<10	<1	0.55	10	0.52	732	<1	0.01	28	460	39	0.04	<2	6	38
CC41078		10	1	0.60	10	2.01	783	<1	0.02	29	630	28	0.06	2	6	73
CC41079		10	1	0.64	10	2.27	855	<1	0.01	32	620	31	0.05	2	7	66



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CERTIFICATE OF ANALYSIS VA09107934

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		20	0.01	10	10	1	10	2
CC41061		<20	<0.01	<10	<10	27	<10	122
CC41062		<20	0.01	<10	<10	60	<10	107
CC41063		<20	<0.01	<10	<10	44	<10	92
CC41064		<20	<0.01	<10	<10	52	<10	110
CC41065		<20	0.02	<10	<10	116	<10	130
CC41066		<20	0.25	<10	<10	156	<10	134
CC41067		<20	0.06	<10	<10	69	<10	120
CC41068		<20	0.03	<10	<10	55	<10	98
CC41069		<20	<0.01	<10	<10	24	<10	92
CC41070		<20	0.01	<10	<10	36	<10	114
CC41071		<20	0.02	<10	<10	36	<10	117
CC41072		<20	<0.01	<10	<10	44	<10	86
CC41073		<20	0.01	10	<10	49	<10	824
CC41074		<20	0.01	<10	<10	31	<10	106
CC41075		<20	<0.01	<10	<10	35	<10	97
CC41076		<20	0.01	<10	<10	35	<10	133
CC41077		<20	<0.01	<10	<10	26	<10	218
CC41078		<20	0.01	<10	<10	34	<10	198
CC41079		<20	0.01	<10	<10	36	<10	171