ASSESSMENT REPORT

GEOCHEMISTRY

on the claims:

THISTLE 13-24

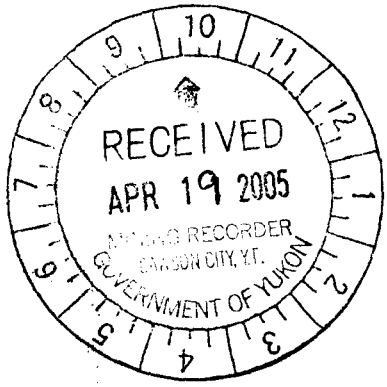
(YC30507 - YC30518)

094557

DAWSON MINING DISTRICT
N.T.S.: 115 O/3

Centred on: Latitude: 63° 07 12" N, Longitude : 139° 11' 48"W, (591 250m E, 7 000 000m N)
(NAD 27 ZONE 7)

Owned by:
Shawn Ryan
P.O. Box 213
Dawson City, Yukon Territory
Canada, YOB 1GO



Prepared by:
Rick J. Zuran, B.Sc.

AURUM GEOLOGICAL CONSULTANTS INC.
106A Granite Road
Whitehorse, Yukon Territory
Canada, Y1A 2V9
Tel: 867-667-4168

February 22, 2005
Field Work Completed on June 15th-25th, 2004.

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 6,000.

for Regional Manager, Exploration and Geological Services, for Commissioner of Yukon Territory.

Costs associated with this report have been approved in the amount of $ 6,000 for assessment credit under Certificate of Work No. 2D00611

K. Leney

Mining Recorder
Dawson City Mining District

1. SUMMARY AND RECOMMENDATIONS

During the period June 15th-25th, 2004 work at an expenditure of **$9,894.36** was conducted on the THISTLE (13-24) claim block, located 100 km south-southeast of Dawson City, Yukon. This work included: grid style soil geochemistry with spot check prospecting. The work was part of a larger exploration program involving Copper Ridge Explorations Inc., Aurum Geological Consultants Inc., and Ryanwood Expl. Inc. based out of the Henderson Mining Camp.

The soil grid survey in the southeast half of the THISTLE 13-24 claim block reveals an anomalous copper (116-303 ppm Cu) area of 75x400m coincident with the regional structural fabric - trending southeast. Weak to strongly anomalous gold (5.1-130 ppb Au) in soil occurs as scattered isolate spot anomalies predominantly in the west portion of the grid. Gold is not correlated with copper; however it is weakly correlated to mercury.

Prospecting returned no anomalous rock samples; however, exposure is sparse and only a small area of the claim block was covered.

The THISTLE claim block shows potential with respect to copper and gold soil geochemistry; exposure is poor.

Recommendations on the THISTLE claim block are as follows:

1) Hand Trenching: trench orientated northeast running across the 75x400m copper soil anomaly - preferably on a break in slope, south facing.

2) Follow up Geochemistry: confirm sample TH8-300S (130 ppb Au) extend grid to the northwest, northeast and southeast sides.

3) Reconnaissance Geochemistry: soil traverses between areas not covered by previous exploration.

4) Airphoto-Magnetics Interpretation: pick out local structures and magnetic units.

5) Geological Mapping: 1:5000 scale geological mapping over soil grid area; prospect entire claim block.

6) Geological-Geochemistry Study: site specific soil sampling with respect to geology to better understand background anomalies for the various rock types.

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7. INTRODUCTION

During the period June 15-25th, 2004, geochemical soil and rock sampling were conducted on the THISTLE claim block. The intention was to sample and investigate any potential for anomalous copper-gold and southern geochemical extensions with respect to the Lucky Joe property 100 kilometres to the north-northwest.

This report describes the work contracted to Aurum Geological Consultant Inc. and Ryanwood Exploration Inc. personal during June 15-25th, 2004. The author refers the reader to previous reports listed in the reference section for additional information.

7.1 Claim Status

The property consists of 12 contiguous quartz claims: the THISTLE 13-24 covering 250.8 hectares, staked in accordance with the Quartz Mining Act, and are shown on Quartz Claim Sheet 115 O/3 within the Dawson Mining District. All the claims are 100% owned by Shawn Ryan of Dawson City, Yukon Territory. Shawn Ryan has made an agreement with Copper Ridge Exploration Inc. regarding the 2004 exploration program. Claims to be renewed are summarized in Table 1 below.

TABLE 1: THISTLE Claim Status

Claim Name & No.	Grant Number	Date Recorded	Expiry Date*
THISTLE 13-24	YC30507 - YC30518	April 21, 2004	April 21, 2010

* subject to approval of 2004 assessment work and submission of this report.

The above claims listed in Table 1 are referred to as the THISTLE claim block in this report.

7.2 Location and Access

The THISTLE claim block is centred on: latitude: 63° 07 12"' N, longitude : 139° 11' 48"W, (591 250m E, 7 000 000m N) (NAD 27 zone 7. The THISTLE claim block is approximately 100 km south-southeast of Dawson City. The THISTLE claim block plots on the NTS 115 O/3 1:50,000 scale topographic map sheet. Refer to Figure 1.

Access to the Henderson Mining Camp is via the Hunker Creek turn off 1.3 km east of Dawson City off the Klondike Highway; the well maintained 2-wheel drive gravel road heads south-southeast past the historic sites of Sulphur, Granville, and Dominion after which the road narrows and heads west then south-south-east around Eureka Dome. Shortly after the historic site of Black Hills, take the turn off heading due west along Dome and North Henderson creeks just passing to the immediate south of Henderson Dome arriving at the placer Henderson Mining Camp facility (592 200mN, 7 034 900 mN, Nad 27, zone 7). Helicopter access from the Henderson Mining Camp across the Stewart River to the claim block (~33 km) is recommended for extended projects; otherwise a helicopter can be chartered out of Dawson City. Pre-cut helicopter pads were utilized for landing spots on the claim block. The road from the Klondike Highway to the Henderson Mining Camp facility is winding and depending on conditions can take three hours to drive.

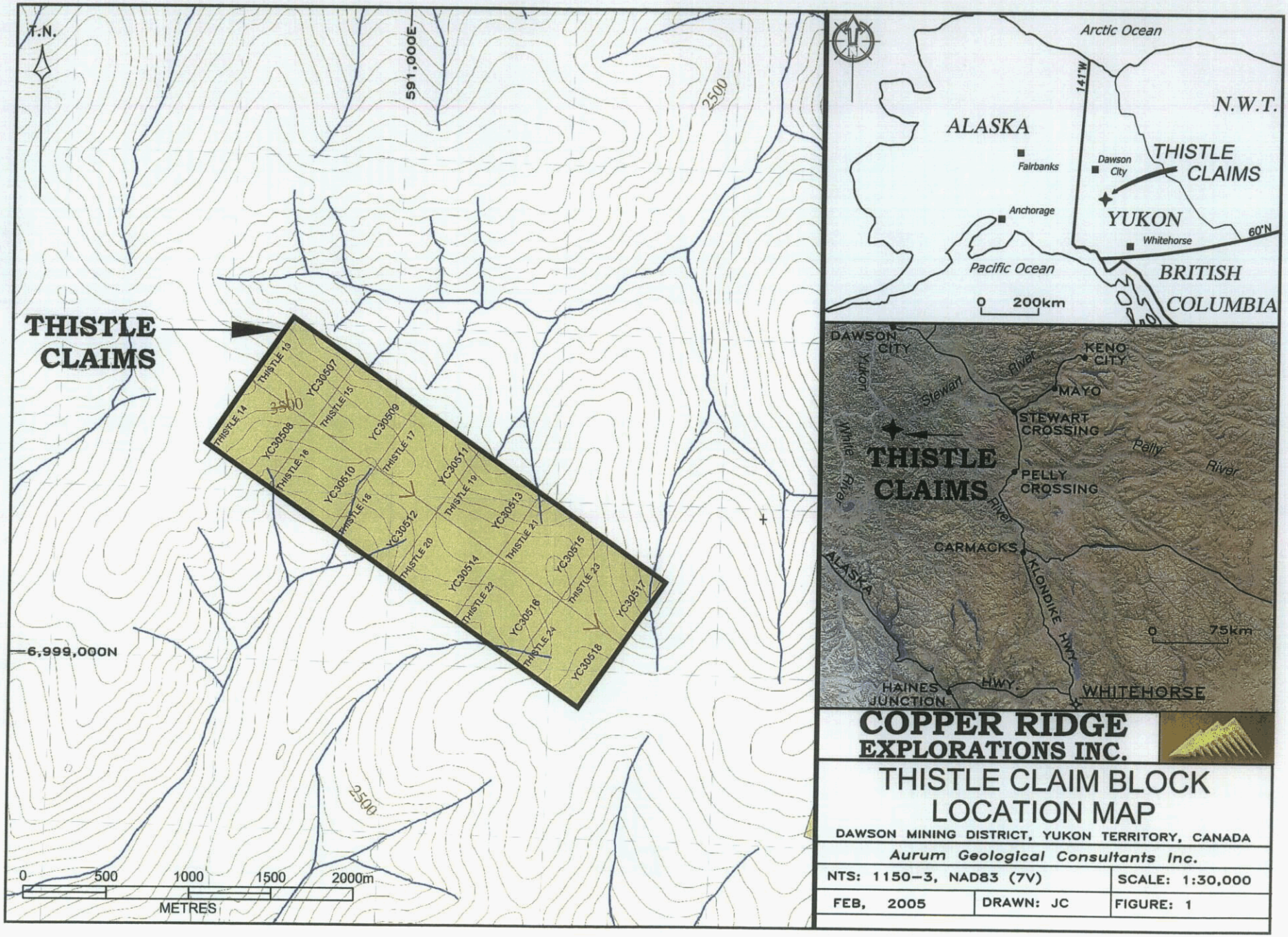
7.3 Topography, Vegetation and Climate

The relief on the THISTLE claim block is 230 metres (755'); ranging from 870 metres, in the creek bed on the north central edge of the claim block; to 1100 metres on top the west side of a northeast trending ridge - elevation above sea level. Topography comprises un-glaciated terrain with typically moderate slopes with more gentle grades towards the tops of mountains. Moderate slopes are noted along the headwaters of creek cuts. The claim block covers a southeast trending ridge with a saddle in the centre part; the headwater gullies of several creeks drain the ridge to the northeast and southwest.

Rock outcrops are rare often small (avg. < 5 m) and largely restricted to the ridge or along the ridge break. Colluvium veneer is the most common cover on the property, averages 1-2 m thick while colluvium blanket material averages >3 m thick. Colluvium conforms to bedrock topography and is composed of diamicton, rubble, and organic-rich silt and sand derived from bedrock sources by a variety

Vegetation consists of thin tree cover (alder balsam fir, white and black spruce) with 'buckbrush' (alder), dwarf willow, alpine plants, grasses and moss predominating along the ridge. Vegetation is generally more abundant on east and south facing slopes. The claim block is below tree-line (~1200m).

Climate is considered northern interior continental with moderate to low precipitation of some 250 to 300 mm annually. Temperature ranges from commonly 10-25°C in the summers down to -15 to -50°C in the winters. Permafrost is discontinuous and often found on north and steeper east facing slopes. Due to extensive forest fires in the south around Dawson City and to the west in Alaska; thick smoke reducing visibility to 100 metres was common during the 2004 field season.



COPPER RIDGE EXPLORATIONS INC.

THISTLE CLAIM BLOCK LOCATION MAP

DAWSON MINING DISTRICT, YUKON TERRITORY, CANADA

Aurum Geological Consultants Inc.

NTS: 1150–3, NAD83 (7V)		SCALE: 1:30,000
FEB, 2005	DRAWN: JC	FIGURE: 1

8. HISTORY

There is no record of previous work done on the claimed area. Previous work done in the vicinity of the THISTLE claim block include:

1910 The 'Three Sisters' mineral occurrence (115O-007). The area is underlain by Paleozoic? metasedimentary rocks and gneissic granite. Claims were probably staked on quartz veins. Small outcrops of granodiorite have also been mapped nearby. The mineral occurrence is located approximately 12 km to the north-northwest of the claim block. Taken from Gordey and Makepeace, 1999 (CD).

1935 H.S. Bostock starting regional 1;250,000 scale geological mapping in 1935 (Bostock, 1942).

1970 The 'Scotch' mineral occurrence (115O006). Claims cover a Jurassic or Cretaceous granite porphyry stock cutting Paleozoic metasedimentary rocks. Staked as A cl (Y56881) in June by J. Kozic etc, who performed soil sampling later in the year. The mineral occurrence is located approximately 4.5 km to the northwest of the claim block. Taken from Gordey and Makepeace, 1999 (CD).

1970's Regional exploration related to the discovery of the Burmeister/Lucky Joe mineral occurrence (115O-051) ~36km to the north-northwest for copper-molybdenum mineralization likely occurred in the area of the THISTLE claims.

2002 Geological mapping at 1:100,000 scale as part of a Geological Survey of Canada NATMAP project (Ryan et al, 2002). This is an ongoing project and a final GSC regional geology map is expected to be published in 2004/2005.

2003 Kennecott Canada Exploration Inc. conducted a reconnaissance style multi-element geochemistry soil sampling survey on and adjacent the THISTLE claim block

Shawn Ryan (Yukon prospector) targeted the area utilizing recent low level airborne aeromagnetic survey, conducted jointly by the Geological Survey of Canada and the Yukon Geology Program. Ryan staked THISTLE 1-12 claims in April initially - ~1.5 km to the southeast of THISTLE 13-24.

9. REGIONAL GEOLOGY

The following summary is taken from OF 4641; the author suggests reading Ryan and Gordey (2001a, 2002a,b) and Ryan et al. (2003) for further details.

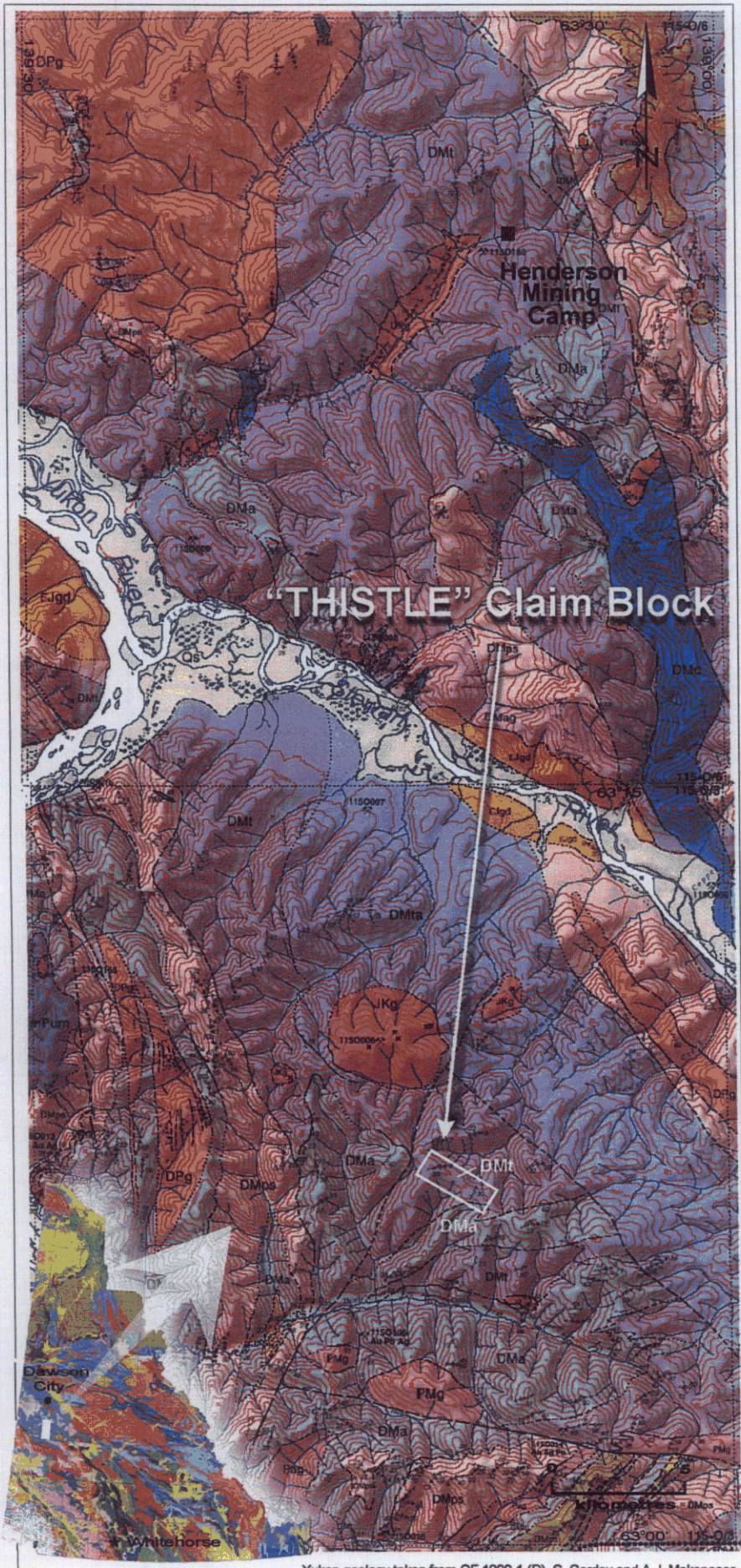
The regional geology setting in the Stewart River area (NTS 115 N, O) includes: twice transposed accreted metamorphic rocks of the Yukon Tanana terrane and less abundant contact-related ultramafic rocks of the Slide Mt. terrane (uPum, uPums) - both Paleozoic in age. These rocks are intruded by volumetrically less abundant younger plutonic rocks (Jurassic, Cretaceous, and Eocene; EJgd, JKg, Er); overlain by Upper Cretaceous volcanic rocks (uKCv); and local young cover of Lower Cretaceous conglomerate (lKTcg) and Quaternary fluvial silt, sand and gravel deposits (Qs) in the larger river systems.

Knowledge of the now called 'Yukon Tanana Terrane' has been revised since the 1970's. The base of this terrane are widespread Paleozoic metasiliclastic rocks dominated by psammite and quartzite, with lesser pelites and rare conglomerate (DMq, DMcg, DMps). Later extensive meta-plutonic and meta-volcanic rocks represent two periods of activity: 1) an older arc, built upon the siliclastic foundation mentioned above - comprising predominantly Devono-Mississippian amphibolite (DMa) associated with coeval widespread tonalitic orthogneiss (DMt) that formed it's subvolcanic intrusive complex; and 2) a Permian arc built upon the previous, is represented by granitic orthogneiss (Pag) and coeval metavolcanics (PKs and possibly Pv). On going geochronologic data compilation of the region has sorted out former widespread meta-siliclastic and meta-plutonic rocks of Yukon Tanana terrane to be mid-Paleozoic in age (DMq, DMcg, DMps) - formerly dated as late Proterozoic (e.g. Templeman-Kluit, 1974). Stratigraphically above and interfingering with these rocks are intermediate to mafic composition, intensely tectonized heterogeneneous layering and local vestiges of primary textures in amphibolite denoting parental volcanic rocks associated with local marble horizons (DMc).

Also part of the Yukon Tanana in the west near the Alaskan border, are the Permian low to medium grade muscovite-quartz and chlorite-quartz schist (PKs) - not shown in Figure 2. These rocks were correlated by Templemen-Kluit (1974) with the Klondike Schist (McConnell, 1905).

Regional structural fabric (foliation) primarily trends southeast to south-southeast. Rocks of the Yukon Tanana terrane are complex and poly-deformed with 3 phases described by J.J. Ryan et al (2004).

Refer to OF 4641, J.J. Ryan et al (2004) and Figure 2 for more details.



Yukon geology taken from OF 1999-1 (D), S. Gordey and A.J. Makepeace.
Regional geology taken from OF 4641, Ryan et al.

LEGEND

6

QUATERNARY

- Qs — *Fluvial silt, sand and gravel deposits*

EOCENE

- Er — *PORPHYRY: Smoky quartz and K-feldspar phyric rhyolite to rhyodacite stocks and dykes, and possible rare flows*

UPPER CRETACEOUS

- uKCv — *CARMACKS GROUP: rhyodacite and dacite, commonly biotite and hornblende phyric, dominated by lesser andesite and basalt; minor rhyolite*

LOWER CRETACEOUS

- lKTcg — *TANTALUS(?) FORMATION: clast-supported pebble to cobble conglomerate with clasts of vein quartz and foliated quartzite*

JURASSIC? OR CRETACEOUS

- JKg — *GRANITE: pink to grey, locally porphyritic, syenogranite to monzogranite plutons and dykes*

PALEOZOIC AND/OR MESOZOIC

- PMg — *FOLIATED GRANITE: deformed (foliated to gneissic), felsic to intermediate monzogranite, granodiorite and quartz monzonite*
- PMd — *GABBRO: foliated to unfoliated metagabbro (locally garnet-bearing); diabase, metabasite*

MID(?)- TO LATE PALEOZOIC

- mPum, mPums — *ULTRAMAFIC-GABBRO: foliated to unfoliated amphibolite facies metagabbro, metapyroxenite, serpentinite and talc-sliderite schist; mPums, dominantly serpentinite*

PERMIAN

- Pv — *FOLIATED VOLCANIC: chlorite-altered weakly foliated intermediate to mafic aphanitic volcanic flows and tuffs, locally with clastic textures preserved*
- PKs — *KLONDIKE SCHIST: muscovite-chlorite-quartz-feldspar schist, chlorite schist, chlorite phyllonite; local cleaved lapilli tuff with preserved primary texture, probably derived from Pv*
- Pag — *AUGEN GNEISS (YOUNGER): K-feldspar augen granite; exhibits various states of strain including porphyroclastic straight gneiss*
- Pfs — *FELSIC SCHIST: quartz-sericite schist or metafelsite, possibly derived from felsic volcanic or hypabyssal intrusive rocks, e.g. rhyolite or quartz-feldspar porphyry*

DEVONIAN AND/OR PERMIAN

- DPag — *AUGEN GNEISS (UNDIVIDED): K-feldspar augen granite orthogneiss undivided; may include bodies of Devono-Mississippian and Permian age (i.e. DMag or Pag)*
- DPg — *FELSIC GNEISS (UNDIVIDED): pink to orange K-feldspar rich felsic orthogneiss; banded to layered; veined and/or segregated; commonly includes, or associated with, K-feldspar augen orthogneiss; may include bodies of Devono-Carboniferous and Permian age*

DEVONIAN TO MISSISSIPPIAN

- DMNq, DMNm — *NASINA ASSEMBLAGE: DMNq, fine-grained, dark-grey to black carbonaceous quartzite and metapelite; DMNl, marble*
- DMag, DMg — *AUGEN GNEISS (OLDER): mainly K-feldspar augen orthogneiss; DMg includes granite to granodiorite orthogneiss, opposite mouth of Reindeer Creek.*
- DMta — *Undivided GREY GNEISS / AMPHIBOLITE (DMt / DMa)*
- DMt — *GREY GNEISS: intermediate to mafic orthogneiss; generally grey; banded to layered; commonly veined; derived from intermediate granitoid (tonalite to diorite) sheets; usually interlayered with amphibolite schist and gneiss*
- DMa — *AMPHIBOLITE: amphibolite schist and gneiss; metabasite; probably derived from mafic to intermediate volcanic or volcaniclastic rocks; locally associated with psammite or interlayered with orthogneiss*
- DMm — *MAFIC SCHIST: biotite-hornblende+/-plagioclase+/-quartz metabasite?; generally associated with amphibolite; main locality on Thistle Mountain*
- DMc — *MARBLE: marble (metacarbonate) derived from pure to impure limestone; associated calc-silicate schist derived from calcareous metapelite*
- DMps — *QUARTZ-MICA SCHIST: undivided metasedimentary rocks dominated by metapsammite, semipelite and metapelite; commonly quartz-garnet-biotite-muscovite schist possibly derived from siliceous siltstone; commonly finely interlayered with garnet metapelite; commonly contains members of micaceous quartzite; rare conglomerate; grades locally to paragneiss*
- DMcg — *METACONGLOMERATE: pebble- to cobble-sized rounded clasts: mainly massive white vein quartz, but including some granitoid clasts (tonalite?); has an arkosic matrix; grades into quartzite; matrix supported*
- DMq — *QUARTZITE: banded to massive, grey to white quartzite; apparently clastic in origin, or in part, possibly derived from metachert*

NOTE: Relative ages of many units are unknown; superimposed hillshade may darken colours on map from those shown on legend above

COPPER RIDGE EXPLORATIONS INC.

REGIONAL GEOLOGY

R. Zuran

Figure: 2

10. WORK COMPLETED FOR THIS REPORT

10.1 Exploration Program

The 2004 exploration program of the THISTLE claims focused on grid soil sampling and spot prospecting follow up on previous Kennecott soil samples across potential anomalous copper-gold stratigraphy perhaps similar or related to the Lucky Joe occurrence 100 km to the north-northwest. Work performed on the claims was done at an expenditure of . The crew included:

Gerry Carlson	President	KRX
Rick Zuran	Project Geologist	AGCI
Reza Tafti	Geologist	AGCI
Doug Hladun	Pilot	TNTA
Louise Levesque	Cook	AGCI
Grant Carlson	Soil Technician	AGCI
Scott Flemming	Soil Technician	RWE

Copper Ridge Explorations Inc.(KRX)
500-625 Howe Street
Vancouver, BC V6C 2T6
604-688-0833

Aurum Geological Consultants Inc. (AGCI)
106A Granite Road
Whitehorse, YT., Y1A 2V9
867-667-4168

Ryanwood Expl. Inc. (RWE)
P.O. Box 213
Dawson City, YT., YOB 1GO
867-993-5219

Trans North Helicopters (TNTA)
115 Range Road
Whitehorse, YT., Y1A 5X9
867-668-2177

The field schedule included:

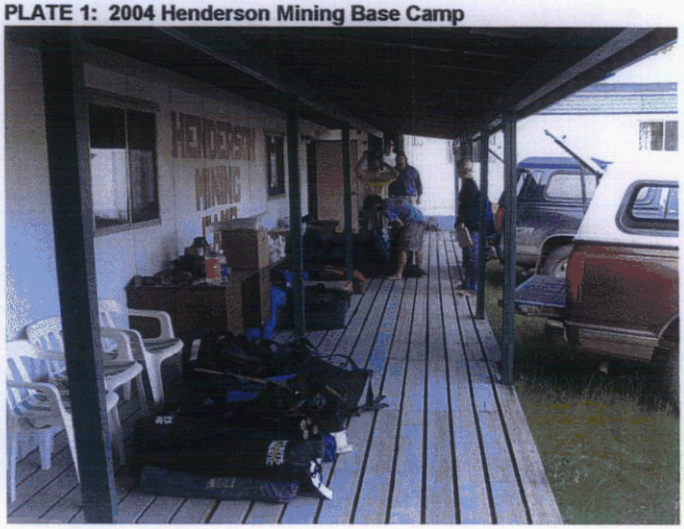
June 15: Crew, gear and mobe into Henderson Mining Camp facility by truck from Dawson City - 3 hour drive.

June 20: Three geologists prospecting for the morning; (GC-pres of KRX, RZ & RT).

June 22, 23: Two soil technicians sampling on grids (GC & SF). Four lines per day.

June 25: Demobe to Dawson City by road.

PLATE 1: 2004 Henderson Mining Base Camp



The Henderson Mining Camp facility is privately owned by a placer family and located near the headwaters of Henderson Creek (592 200mE, 7 034 900mN - Nad 83, Zone 7). The camp was rented during the work period and comprised: sleeping bunks for 15 persons; a large bathroom facility with 4 stalls and two sinks; a small bathroom with one toilet and one sink; a recreation/TV room; and a large kitchen/office planning area complete with industrial propane stainless steel stove/grill, electric fridge, cooking utensils, dinner tables for 15 persons and an office desk. 24 hour power was supplied by a large diesel generator. A Bell 206B Jet Ranger helicopter and pilot from Trans North Helicopters was based at the site for crew set outs/pick ups. A cook was contracted from Aurum Geological Consultants Inc. to feed the crew.

10.2 Geochemistry Survey

A total of 94 samples were collected on the THISTLE claim block; 93 soils and 1 rock.

Soil samples were collected on a grid consisting of eight lines - stations every 50m with 200m line spacing. Soil lines were orientated northeast to cross potential southeast trending regional structural fabric. Refer to Figure 3.

Approximately 300-350 grams of soil size material was sampled from the B-soil horizon; Samples were taken using a soil auger or mattock, placed in a labelled Kraft double gusseted paper sample bag, and labelled orange flagging tape was used to mark the location of each sample site. The locations of soil sample sites were recorded in a field note book from a hand held GPS device (Garmin 12 channel receiver) with 15 metre accuracy. The UTM location data and sample number data was later downloaded from the GPS units to a field computer at the Henderson base camp.

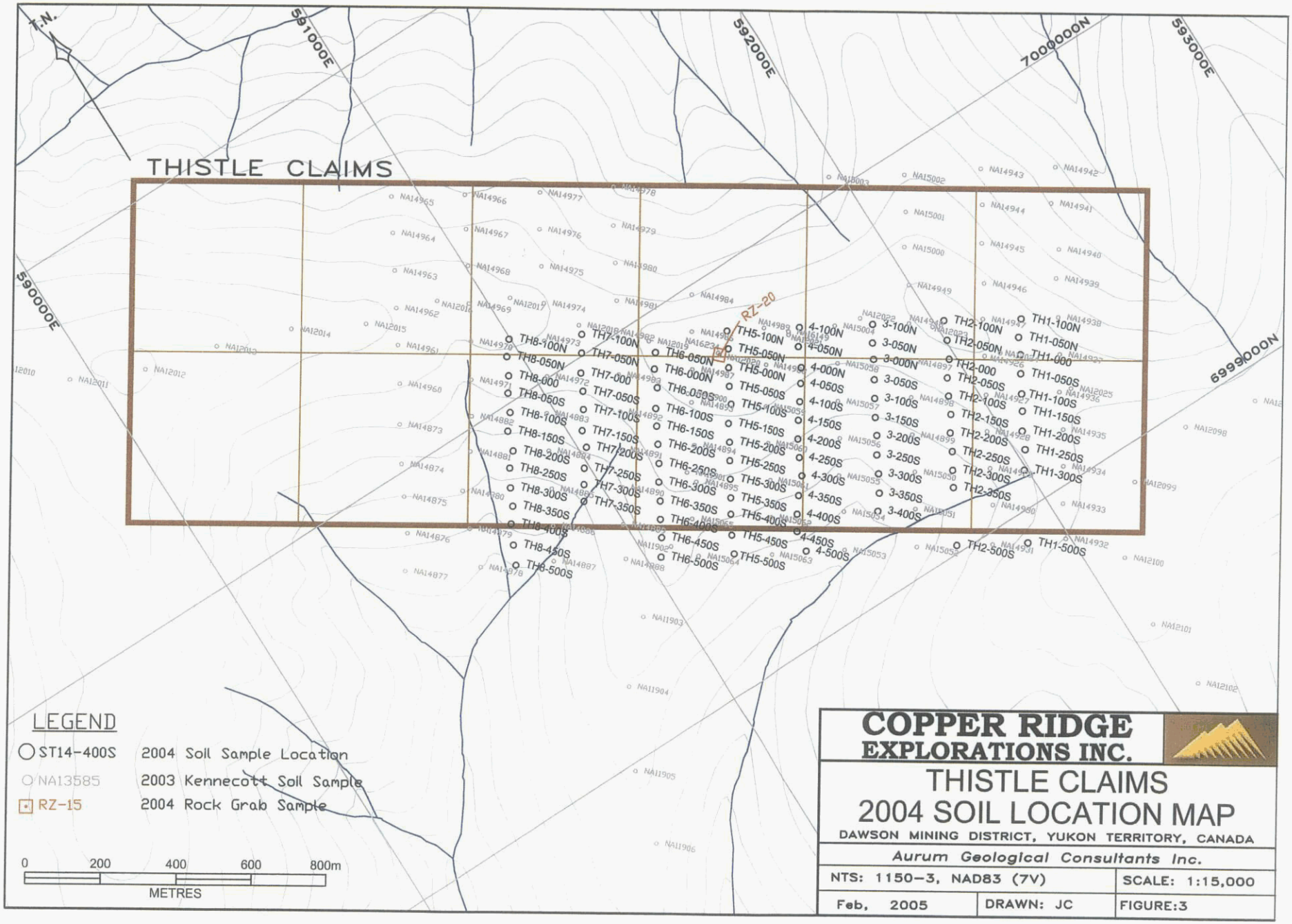
The rock sample was collected as a grab from weathered bedrock. Typically ~5 kg of material was collected and placed into a uniquely numbered ploy-ethylene sample bag. The sample site was marked with labelled flagging tape. A description of the sample typically would include: size of grab; and a mineralogy description. This information was recorded in a field notebook along with a GPS location (15 m accuracy) as per soil samples. The UTM location data and rock sample descriptions were entered into a spreadsheet at the Henderson base camp.

All samples for geochemical analysis were sent to Acme Analytical Laboratories Ltd., 852 East Hastings Street, Vancouver, BC, V6A 1R6 (604 253 3158). Laboratory procedure analysis for samples collected are as follows:

<u>Soil Samples</u>

Preparation (SS80 Acme Code)
Dry up at 60°C, sieve (up to) 100g to 80 mesh size

Analysis (Group 1DX; 36 element)
30.00 gram sample leached with 180ml HCl-HNO_3-H_2O (2-2-2) at 95° C. for one hour, diluted in 600ml. Analysis done by ICP-MS.


T.N.
591000E
592000E
593000E
7000000N
6999000N
590000E
THISTLE CLAIMS
RZ-20
LEGEND
ST14-400S 2004 Soil Sample Location
NA13585 2003 Kennecott Soil Sample
RZ-15 2004 Rock Grab Sample
0 200 400 600 800m
METRES
COPPER RIDGE EXPLORATIONS INC.
THISTLE CLAIMS
2004 SOIL LOCATION MAP
DAWSON MINING DISTRICT, YUKON TERRITORY, CANADA
Aurum Geological Consultants Inc.
NTS: 1150-3, NAD83 (7V)
SCALE: 1:15,000
Feb, 2005
DRAWN: JC
FIGURE:3

Rock

Preparation (R150 Acme Code)
1 kg of sample crushed to -10 mesh (70%), split 250g and pulverized to 150 mesh (95%).

Analysis (Group 1DX; 36 element)
30.00 gram sample leached with 180ml HCl-HNO_3-H_20 (2-2-2) at 95^0 C. for one hour, diluted in 600ml. Analysis done by ICP-MS.

All samples were analysed by ICP-MS (Inductively Coupled Plasma-Mass Spectrometer) for 36 elements. Standards were inserted every 35 analyses for quality control. Limits are summarized in Table 3.

TABLE 2

LIMITS on ICP-MS ANALYSIS (36 elements)		
DETECTION LIMITS	**ELEMENTS ANALYZED**	**PARTIAL DIGESTION**
0.5 ppb	Au	Al, B, Ba, Ca, Cr, Fe, Ga, K, La, Mg, Mn, Na, P, Sr, Th, Ti, U, V, W Solubility of some elements will be limited to the mineral species sampled. Refractory and graphitic samples can limit gold (Au) solubility.
0.01 ppm	Hg	
0.1 ppm	Mo, Cu, Pb, Ag, Ni, Co, U, Th, Cd, Sb, Bi, W, Sc, Tl	
0.5 ppm	As, Se	
1 ppm	Zn, Mn, Sr, La, Cr, Ba, B, Ga	
2 ppm	V	
0.001%	P. Tl, Na	
0.01%	Fe, Ca, Mg, Al, K	
0.05%	S	
UPPER LIMITS		
100 ppm	Ag, Au, W, Hg, Sc	
1000 ppm	Ba, Tl, Ga, Se	
2000 ppm	Mo, Co, U, Th, Cd, Sb, Bi, B	
10000 ppm	Cu, Pb, Zn, Ni, Mn, As, Sr, V, La, Cr	
5%	P	
10%	Ti, Al, Na, K, S	
30%	Mg	
40%	Fe, Ca	

10.3 Spot Check Prospecting

A morning was spent prospecting for outcrop along the southeast trending ridge/saddle. Micaceous goldy-orange coloured oxidized schistose rock chips from old Kennecott soil sample holes were noted approximately 400m east of the saddle along the ridge. Several very small outcrops (avg. 1 m) of grey orthogneiss (DMt) were noted along the ridge/saddle at the break in slope.

PLATE 2: Gerry Carlson, Rick Zuran on Thistle ridge.

10.4 Results

Soils

In terms of copper, gold, and iron; anomalous (>90 percentile) soil samples reveal the following results:

Copper in soils are anomalous (116-303 ppm Cu) as an area of 75x400m elongated southeast in the north central part of the 2004 soil grid. Several anomalous isolate spot copper soils are noted in the northeast portion of the grid. The highest copper in soil result is in the extreme northeast corner of the grid (TH1-100N; 331.5 ppm Cu).

Anomalous gold in soil are present as weak scattered isolate spot anomalies (> 5.1-8.8 ppb Au) predominantly in the west portion of the grid. The highest gold in soil value is on the far west line of the 2004 THISTLE soil grid (130 ppb Au).

Iron commonly follows copper trends and is weakly related (0.4119).

There is no strong correlation between gold and copper in soil on this grid; however, a weak relation between gold and mercury is noted (0.4398). There is a strong correlation between arsenic and antimony on the 2005 THISTLE soil grid (0.8735).

TABLE 3: SOIL GEOCHEMISTRY STATISTICS (93 soils)

ELEMENT	mean	max.	90th Percentile	98th Percentile
Copper (ppm)	69.7	331.5	116	192.2
Gold (ppb)	3.9	130	5.1	8.8
Molybdenum (ppm)	0.9	6.2	1.5	2.9
Zinc (ppm)	73.1	298	103	134
Lead (ppm)	4.7	14.5	7.4	10.5
Iron (%)	4.52	9.25	6.31	7.28

Rocks

There was only one rock taken on the grid with no significant anomalous results. RZ-20; a grab of goldy-orange weathering schist chips from Kennecott soil hole # NA 12020 returned 171.8 ppm Cu and 16.3 ppb Au. This sample was taken on the west side of the 116-303 ppm (75x400m area) copper in soil anomaly.

11. CONCLUSIONS

Previous regional government mapping and prospecting during the 2004 work program has confirmed a general southeast trending structural fabric - primarily foliation of varied compositional meta-sedimentary rocks. This is intruded by a Jurassic or Cretaceous granite 4 km in diameter, 2.5 km to the north-northwest of the THISTLE claim block. Anomalous copper and non-coincident gold in soil were returned from the THISTLE (13-24) claim block.

The soil grid survey in the east central part of THISTLE (13-24) claim block reveals a moderate copper anomaly (116-303 ppm Cu) coincident with the regional structural fabric over an area of 75x400m. Weak to strong isolate spot anomalous gold occur on this side facing the Jurassic or Cretaceous granite (west) of the grid.

Prospecting returned no anomalous elements in rock samples; however more work is warranted due to lack of geological knowledge of the claim block.

12. STATEMENT OF COSTS

TABLE 4: Statement of Costs

PERSONEL	Days	Rate/Day	unfactored	Factored Cost	Cost (includes GST)
Gerry Carlson - President (KRX)	0.5	$500.00			$250.00
Rick Zuran - Project Geologist	0.5	$430.00			$215.00
Reza Tafti - Geologist	0.5	$280.00			$140.00
Louise Levesque - Cook & Field Assistant	2	$350.00			$700.00
Grant Carlson - Field Assistant	2	$220.00			$440.00
Scott Flemming - Soil Technician	2	$325.00			$650.00
SAMPLE ANALYSIS	**Number**	**Cost/Sample**			
Acme Analytical Laboratories					
Soil (SS80 prep + Gp 1DX w 30g Au)	93	$17.10			$1,590.30
Rock (R150 prep + Gp 1DX w 30g Au))	1	$20.75			$20.75
TRANSPORTATION	**Hours**	**Rate/Hr**			
TNTA - Helicopter (Bell 206B Jet Ranger)					
set outs/pickups	3	$800.00			$2,400.00
	Barrels	**Price/Barrel**			
Helicopter Fuel (North 60 Petrol)	1.5	$275			$412.50
Truck Rentals - *Norcan**			$1,532.35	$153.24	$153.24
SUPPORT COSTS	**Man-days**	**Rate/man-day**			
Room & Board (equivalent camping costs)	7	$100.00			$700.00
Gasoline & Diesel - *North 60 Petro*, 18 drums Jet B fuel**			$5,008.91	$400.71	$400.71
Shipping Fuel - Dawson to Henderson - *Van Every***			$909.50	$72.76	$72.76
Shipping - Whitehorse-Vancouver - *Greyhound* (samples)***			$500.00	$40.00	$40.00
	Days	**Rate/day**			
5 Walkie Talkies - *Total North Communications**	2	$20			$40.00
1 Satellite Phone Rental - *Total North Communications**	2	$35			$70.00
Field supplies - maps, tools, sample bags, flagging, batteries, etc.*			$2,922.75	$292.28	$1,169.10
REPORT					
R. Zuran	1	$430.00			$430.00
KRX - Copper Ridge Explorations Inc.				**TOTAL EXPENDITURE:**	**$9,894.36**

* factored cost - average 1 out of 10 days in the area spent on THISTLE claims; 10%

** factored cost - based on %age of barrels used (ie. 1.5/18 or 8%)

*** factored cost - based on total samples taken in the area (ie. 94/1159 or 8%)

note: Bell Jet Ranger averages 2.0 hrs/45 gal drum of fuel

13. STATEMENT OF QUALIFICATIONS

I, Rick J. Zuran, B.Sc., with a residence of Box 34003, Whitehorse, YT, Y1A 7A3, Canada, do certify that:

1. I am a graduate of the University of British Columbia with a Bachelor Degree in Geological Sciences (1988).

2. I have been engaged in mineral /field exploration since 1977.

3. I have been associated as an employee or consultant with the following universities, companies or government departments:

University of Ottawa
University of British Columbia
Denison Mines Ltd.
Anaconda Canada Expl. Ltd.
Selco Ltd.
BP Minerals Ltd.
OBI Resources Ltd.
Mt. Skukum Gold Mining Corp.
Total Energold Corp.
North American Metals Corp.
Kennecott Canada Inc.
Aurum Geological Consultants Inc.
Yukon Territorial Government
Indian and Northern Affairs Canada

4. I am a member of the Yukon Chamber of Mines.

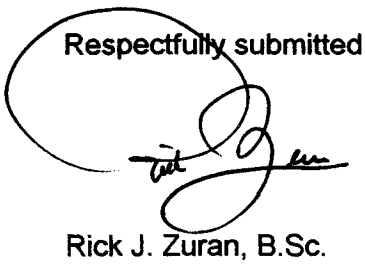
5. I have no direct or indirect interest in the properties or securities owned by Ryanwood Exploration Inc. or Copper Ridge Explorations Inc. nor do I expect to receive any.

6. The work described in this report is based on field work conducted June 15-25th, 2004, supervised by myself.

7. I am the author of this report.

Dated at Whitehorse, Yukon Territory this 22nd day of February, 2005.

Respectfully submitted,



Rick J. Zuran, B.Sc.

14. REFERENCES

BOSTOCK, H.S., 1942. Ogilvie, Yukon Territory; Geological Survey of Canada, Map 711A, scale 1:250,000.

GORDEY, S.P. and MAKEPEACE, A.J., 1999. Yukon Digital Geology (CD). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D).

GORDEY, S.P. and RYAN, J.J. 2003 Geology, Stewart River Area (Parts of 115N/1,2,7,8 and 115O/2-7,12), Yukon Territory; Geological Survey of Canada, Open File 4641, scale 1:100,000.

Yukon Minfile, 2003. Yukon Geology Survey, Yukon, Canada.

APPENDIX I

Assay Results

Acme Analytical Laboratories Ltd. Certificates

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Copper Ridge Exploration Inc. PROJECT SOUTH DAWSON File # A403264

500 - 625 Howe St., Vancouver BC V6C 2T6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
SI	<.1	.5	.2	<1	<.1	<.1	<.1	5	.01	<.5	<.1	1.1	<.1	2	<.1	<.1	<.1	<1	.08	<.001	<1	<1	<.01	2	<.001	1	.01	.400	<.01	<.1	.01	.1	<.1	<.05	<1	<.5
RZ 20	.3	171.8	2.0	20	<.1	2.0	5.9	62	1.69	1.7	.8	16.3	3.7	17	<.1	<.1	.4	6	.03	.025	10	1.9	.17	134	.015	<1	.68	.020	.26	<.1	<.01	1.7	.1	.10	1	1.3
STANDARD DS5	12.9	140.4	26.2	138	.3	23.9	11.8	741	2.98	17.9	6.2	41.4	2.8	45	5.7	3.9	6.1	59	.73	.091	11	188.2	.65	136	.096	17	1.98	.033	.14	5.4	.16	3.4	1.0	<.05	6	4.9

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____ DATE RECEIVED: JUL 5 2004 DATE REPORT MAILED: July 20/04

BRITISH COLUMBIA CERTIFIED ASSAYER
C.L.
Clarence Leong

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Copper Ridge Exploration Inc. PROJECT SOUTH DAWSON File # A403263 Page 1
500 - 625 Howe St., Vancouver BC V6C 2T6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
G-1	2.5	3.7	3.2	47	<.1	4.8	4.5	638	2.25	.7	2.6	1.0	4.8	96	<.1	<.1	.2	46	.70	.079	10	22.1	.59	240	.143	2	1.13	.138	.51	4.4	<.01	2.6	.3	<.05	6	<.5	30
TH1-100N	1.0	331.5	7.2	55	.2	6.2	40.8	440	8.43	1.3	.5	3.4	1.0	18	.1	<.1	.2	406	.28	.032	4	3.1	1.76	498	.232	<1	3.12	.040	1.28	<.1	.01	19.8	.4	.15	10	<.5	30
TH1-050N	.2	62.8	3.0	89	<.1	17.6	23.1	418	4.30	1.0	.3	.8	1.8	13	<.1	.1	<.1	151	.26	.016	8	216.9	1.50	272	.173	<1	2.16	.023	.48	<.1	<.01	6.1	.2	<.05	7	<.5	30
TH1-000	.6	102.4	3.2	91	<.1	13.7	45.0	655	5.89	4.0	.5	.5	2.0	11	.1	.1	.1	87	.25	.054	4	13.7	1.36	332	.194	<1	2.63	.014	.93	<.1	.02	9.3	.4	<.05	9	<.5	30
TH1-050S	1.1	28.2	3.0	86	<.1	9.4	38.9	993	7.16	2.1	.6	.5	2.6	9	.1	.1	.1	141	.15	.043	6	14.3	1.46	355	.209	2	2.91	.011	1.09	<.1	.02	20.5	.4	<.05	9	<.5	30
TH1-100S	.5	154.0	1.3	53	<.1	19.6	22.3	517	3.36	1.4	.2	1.0	1.0	16	<.1	.1	<.1	101	.59	.139	4	39.8	1.53	405	.184	1	2.08	.021	.65	<.1	.01	4.5	.2	<.05	5	<.5	30
TH1-150S	.9	47.5	3.9	56	<.1	17.5	16.8	422	3.72	4.8	.2	.9	1.3	11	.1	.1	.1	102	.30	.077	3	39.4	1.31	191	.193	1	2.12	.017	.41	.1	.01	3.1	.2	<.05	6	<.5	30
TH1-200S	.3	91.4	2.4	50	<.1	19.5	21.5	447	3.24	2.1	.2	.8	1.4	19	.1	.1	<.1	95	.45	.123	4	39.7	1.54	291	.248	2	2.25	.016	.77	<.1	.01	2.5	.3	<.05	5	<.5	30
TH1-250S	.3	50.5	3.1	67	<.1	10.9	21.0	738	4.61	1.5	.4	<.5	1.4	19	.1	.1	<.1	127	.58	.164	4	23.9	1.63	523	.192	1	2.46	.018	.78	<.1	<.01	8.1	.2	<.05	9	<.5	30
TH1-300S	.5	81.2	2.5	50	<.1	13.0	18.1	537	2.88	1.6	.6	2.2	3.1	14	.1	<.1	<.1	93	.73	.175	9	32.3	1.37	291	.176	1	1.73	.027	.60	<.1	.01	4.1	.3	<.05	6	<.5	30
TH1-500S	.7	25.3	5.9	57	.1	12.4	13.2	435	3.65	6.1	.6	1.4	4.2	19	.1	.3	.1	77	.32	.042	18	26.0	.80	360	.121	1	1.71	.011	.25	.1	.03	8.2	.1	<.05	6	<.5	30
TH2-100N	.7	125.0	1.4	108	<.1	12.5	19.6	777	6.43	.9	.7	2.3	4.6	18	.1	.1	.1	192	.36	.079	14	29.7	2.61	957	.237	<1	3.16	.020	1.48	.1	.01	23.0	.4	<.05	12	.7	30
TH2-050N	.3	95.6	1.4	71	<.1	9.4	27.1	669	5.17	1.6	.5	<.5	1.2	15	.1	.1	<.1	179	.33	.055	10	5.8	1.16	301	.096	<1	1.59	.018	.38	<.1	<.01	10.4	.2	<.05	8	<.5	30
TH2-000	.2	100.3	.6	40	<.1	7.2	23.1	725	6.31	.9	.4	.9	1.0	8	<.1	<.1	<.1	174	.54	.086	7	5.7	1.20	323	.120	<1	1.80	.018	.55	<.1	.01	16.4	.2	<.05	8	<.5	30
RE TH2-000	.2	108.7	.6	42	<.1	7.4	24.3	731	6.54	.9	.3	1.3	1.0	8	.1	<.1	<.1	193	.55	.084	7	6.1	1.25	350	.134	<1	1.84	.019	.54	<.1	.02	16.7	.2	<.05	9	.5	30
TH2-050S	.4	50.6	3.4	57	<.1	17.1	19.6	428	4.23	2.3	.2	.6	1.3	13	<.1	.1	<.1	146	.31	.054	4	34.4	1.40	193	.182	<1	2.32	.017	.37	.1	.01	5.2	.1	<.05	7	<.5	30
TH2-100S	.6	116.0	2.4	76	<.1	23.5	25.0	563	3.94	2.1	.3	1.3	1.3	20	.1	.1	<.1	131	.49	.094	6	48.9	1.95	464	.293	1	2.42	.018	.96	.1	<.01	3.9	.3	<.05	7	<.5	30
TH2-150S	.6	111.2	3.3	82	<.1	21.7	23.9	530	3.87	2.3	.2	1.0	1.2	20	.1	.1	<.1	114	.44	.089	4	40.7	1.72	358	.234	<1	2.53	.018	.69	<.1	.01	3.6	.2	<.05	6	<.5	30
TH2-200S	.7	59.2	5.2	67	<.1	16.0	13.4	397	3.36	5.5	.3	1.6	1.8	16	.1	.2	.1	97	.35	.058	6	31.0	1.09	243	.149	2	1.88	.015	.16	.1	.01	3.8	.1	<.05	6	<.5	30
TH2-250S	.4	109.3	3.1	74	<.1	15.0	18.4	490	3.41	2.1	.2	<.5	1.0	17	.1	.1	<.1	100	.68	.137	3	32.3	1.44	398	.164	1	1.89	.021	.52	.1	<.01	4.9	.2	<.05	6	<.5	30
TH2-300S	.1	43.7	1.9	78	<.1	12.2	21.2	608	3.79	1.0	.3	<.5	1.5	14	.1	<.1	<.1	106	.71	.151	3	28.3	1.68	463	.253	1	2.27	.027	1.05	<.1	<.01	6.0	.3	<.05	7	<.5	30
TH2-350S	.6	51.5	6.0	57	.1	16.1	11.1	293	2.95	5.8	.4	2.6	2.1	18	.1	.2	.1	76	.34	.042	7	30.9	.79	195	.124	1	1.53	.014	.12	.1	.02	3.9	.1	<.05	5	<.5	30
TH2-500S	.7	38.5	4.0	69	.1	14.5	15.7	457	2.88	3.4	.3	2.9	1.5	24	.2	.2	.1	88	.60	.062	5	29.9	1.11	331	.153	1	1.54	.018	.23	.1	.03	4.6	.1	<.05	6	<.5	30
TH3-100N	.6	93.6	4.0	157	<.1	26.3	17.1	515	4.64	1.4	1.4	3.3	4.0	87	.2	.1	.3	134	.44	.070	25	28.5	1.68	1065	.100	1	3.05	.022	.68	<.1	.02	11.0	.2	.19	12	.6	30
TH3-050N	1.9	35.5	11.9	78	.4	21.4	31.3	3054	3.61	9.8	.5	.9	3.1	12	.1	.5	.3	85	.12	.032	10	38.6	.50	241	.088	1	2.41	.012	.04	.1	.04	4.3	.2	<.05	8	.5	30
TH3-000	.8	89.6	4.9	95	.1	15.7	11.7	582	5.24	3.2	.8	34.7	5.2	21	.1	.1	.3	110	.15	.055	15	26.2	1.68	513	.182	1	2.61	.016	1.07	.1	.02	13.9	.3	.12	10	1.0	30
TH3-050S	.5	68.0	3.8	89	<.1	5.6	17.4	435	4.56	2.6	.4	.6	3.9	9	.1	.1	.1	138	.18	.024	7	7.9	1.37	346	.152	<1	2.06	.017	.33	.1	.01	6.9	.1	<.05	8	<.5	30
TH3-100S	1.2	23.8	6.9	70	.1	13.6	11.8	681	3.97	9.1	.4	.9	2.4	12	.1	.3	.2	91	.16	.048	8	27.4	.80	147	.101	2	1.73	.011	.07	.1	.02	5.0	.1	<.05	7	<.5	30
TH3-150S	.5	39.4	4.7	52	.3	9.1	15.2	869	3.52	3.1	.9	1.7	1.4	16	.1	.1	.1	91	.46	.102	12	14.9	.89	380	.122	2	1.63	.020	.27	.1	.04	9.2	.1	<.05	7	<.5	30
TH3-200S	.5	33.1	3.7	38	.1	5.0	20.9	889	3.15	2.5	.4	1.3	.9	11	.1	.1	.1	119	.41	.079	6	6.6	.66	232	.094	1	1.05	.029	.21	.1	.02	5.5	.1	<.05	6	<.5	30
TH3-250S	.6	27.8	4.5	53	.3	9.4	11.8	658	3.18	3.0	.7	1.4	.7	22	.1	.1	.1	102	.46	.073	8	15.7	.77	340	.051	1	1.44	.020	.06	.1	.07	7.0	.1	<.05	7	.7	30
TH3-300S	.7	38.2	4.5	63	.2	10.2	14.7	589	3.16	2.4	.6	1.3	.9	23	.1	.1	.1	106	.50	.060	6	21.1	.92	290	.086	1	1.45	.018	.11	.1	.06	7.4	.1	<.05	7	<.5	30
TH3-350S	.5	45.8	4.7	59	.1	11.7	10.6	258	3.30	3.6	.5	1.4	1.5	17	.1	.2	.1	88	.42	.078	8	19.8	.74	263	.102	<1	1.60	.020	.21	.1	.02	6.3	.1	<.05	6	.5	30
TH3-400S	.6	69.5	5.5	66	.1	16.1	14.2	435	2.96	3.6	.5	4.1	1.6	21	.1	.2	.1	86	.44	.077	7	32.1	.99	289	.140	1	1.80	.020	.27	.1	.04	5.6	.1	<.05	6	.5	30
TH4-100N	1.8	192.2	3.0	93	<.1	16.9	31.0	483	5.82	1.5	.9	1.4	4.5	23	.2	.1	.6	164	.43	.078	22	23.9	3.18	771	.213	<1	3.80	.022	1.19	.1	<.01	19.4	.4	<.05	14	.6	30
STANDARD DS5	12.0	142.8	24.1	132	.3	24.4	11.6	767	2.98	18.6	5.8	42.0	2.7	46	5.5	3.8	5.9	58	.71	.088	11	187.2	.68	138	.092	18	1.99	.032	.13	4.8	.18	3.4	1.0	<.05	6	4.9	30

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____ DATE RECEIVED: JUL 5 2004 DATE REPORT MAILED: July 19/04...

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

ACME ANALYTICAL

Copper Ridge Exploration Inc. PROJECT SOUTH DAWSON FILE # A403263 Page 2

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
TH4-050N	.1.0	126.0	6.3	54	.1	19.6	16.5	439	4.38	7.0	1.0	1.2	6.2	10	.1	.4	.5	88	.16	.072	20	32.7	1.06	186	.099	1	2.42	.013	.33	.1	.02	6.9	.2	<.05	9	.7	30
TH4-000	.6	171.1	2.6	26	<.1	10.0	14.8	303	4.70	2.4	1.5	.5	4.1	7	.1	.1	.4	99	.20	.054	14	10.3	1.51	187	.123	1	2.88	.022	.42	<.1	.01	11.6	.1	<.05	10	.6	30
TH4-050S	1.1	48.9	8.2	70	.1	22.5	9.4	343	3.60	9.3	.7	1.0	4.9	12	.1	.4	.3	92	.14	.042	10	38.5	1.00	153	.079	1	2.62	.010	.07	.1	.04	5.7	.1	<.05	10	<.5	30
TH4-100S	.5	78.5	3.7	67	<.1	14.2	12.7	354	4.58	3.2	1.0	2.2	3.6	27	.1	.2	.4	105	.28	.041	23	27.8	1.62	314	.125	1	2.77	.023	.20	<.1	.01	10.3	.1	.09	10	1.3	30
TH4-150S	.8	137.4	3.3	96	<.1	11.1	17.8	606	5.59	2.6	.6	.9	2.8	16	.1	.1	.2	150	.19	.031	11	24.3	2.59	350	.201	1	3.79	.020	.59	<.1	.02	12.9	.2	.07	12	1.1	30
TH4-200S	.9	39.0	5.1	95	.1	15.2	18.8	392	5.69	5.8	.5	1.2	2.1	15	.1	.3	.1	159	.18	.036	7	19.3	1.28	224	.103	2	2.24	.012	.06	.1	.02	9.6	.1	<.05	10	<.5	30
TH4-250S	.7	76.6	5.4	68	.1	14.5	14.7	235	4.31	6.4	.3	1.9	2.1	11	.1	.3	.1	133	.19	.027	6	23.2	.96	173	.108	1	1.97	.025	.04	.1	.01	4.9	.1	<.05	8	<.5	30
TH4-300S	.9	64.9	6.2	59	.3	14.1	10.6	344	3.26	5.9	.4	4.3	2.4	17	.2	.3	.1	92	.23	.026	8	26.6	.67	302	.093	1	1.57	.018	.05	.1	.02	4.7	.1	<.05	7	<.5	30
TH4-350S	.7	39.3	5.1	58	.1	13.2	13.8	404	3.68	5.1	.4	1.4	2.2	17	.1	.3	.1	96	.31	.036	11	27.8	.96	392	.129	1	1.76	.022	.08	.1	.01	4.9	.1	<.05	7	<.5	30
TH4-400S	1.2	21.4	7.4	50	.1	10.3	9.5	581	2.77	5.8	.4	3.4	1.7	15	.2	.2	.2	90	.21	.041	8	21.2	.57	191	.106	2	1.24	.017	.07	.1	.02	3.9	.1	<.05	8	<.5	30
TH4-450S	.7	35.7	5.9	67	<.1	13.8	12.9	407	3.40	5.9	.6	1.7	2.8	18	.1	.3	.1	102	.35	.038	12	21.5	.65	257	.084	1	1.61	.029	.05	.1	.02	6.9	.1	<.05	6	<.5	30
TH4-500S	.4	52.3	5.4	89	<.1	8.1	15.1	392	3.86	3.7	.3	1.5	1.4	12	.2	.2	.1	154	.41	.051	6	11.6	.69	186	.088	1	1.41	.048	.05	.1	.01	6.5	<.1	<.05	6	<.5	30
TH5-100N	6.2	164.6	5.2	107	.1	25.5	28.8	647	9.25	4.5	2.7	5.1	10.0	24	.2	.2	.9	76	.05	.076	18	17.5	.24	314	.026	3	1.07	.024	.45	<.1	.01	6.0	.2	.59	5	3.6	30
TH5-050N	2.0	303.1	3.3	83	<.1	9.4	56.1	1484	5.39	3.6	1.8	.8	10.4	11	.1	.2	.5	34	.12	.059	20	7.7	.39	184	.017	2	1.39	.009	.10	<.1	.02	10.5	.1	<.05	5	1.6	30
TH5-000	.3	88.9	1.8	68	.1	5.4	7.9	334	5.45	1.3	1.1	2.5	2.7	33	<.1	.1	.2	178	.34	.059	13	12.2	2.28	596	.177	1	3.03	.027	.75	<.1	.01	22.3	.2	.06	12	.7	30
TH5-050S	1.2	28.3	6.6	48	.1	9.6	5.1	321	7.27	5.2	.4	1.1	3.2	87	<.1	.3	.3	176	.11	.076	22	23.3	1.63	304	.099	1	2.68	.086	.41	<.1	.02	15.0	.1	.72	12	2.7	30
TH5-100S	1.2	22.8	3.4	48	<.1	7.9	4.9	316	6.47	2.6	.3	1.3	2.3	53	<.1	.2	.4	105	.05	.083	7	14.6	1.39	231	.094	2	2.34	.079	.65	<.1	.02	15.1	.2	.84	10	4.3	30
RE TH5-100S	1.4	24.4	3.3	49	.1	8.1	4.9	339	7.03	2.9	.3	13.5	2.4	56	<.1	.2	.4	111	.05	.082	7	14.1	1.47	242	.101	1	2.51	.083	.70	<.1	.01	16.1	.2	.87	10	4.5	30
TH5-150S	.4	44.2	2.2	26	<.1	5.4	4.2	208	4.70	1.8	.6	4.7	2.2	34	<.1	.1	.3	114	.28	.048	11	9.5	1.63	316	.125	1	2.69	.023	.26	<.1	.01	10.1	.1	.08	9	1.1	30
TH5-200S	2.9	22.3	3.8	30	<.1	12.3	3.9	221	3.78	3.6	.7	5.2	10.1	14	<.1	.1	.3	60	.08	.047	13	22.5	.95	251	.078	2	2.05	.017	.29	<.1	.02	5.6	.1	.13	8	1.1	30
TH5-250S	1.3	22.5	10.2	40	.2	14.3	7.6	278	3.27	7.6	.5	3.8	3.1	14	.1	.4	.2	88	.15	.039	9	27.5	.70	201	.076	1	1.90	.010	.06	.1	.02	4.4	.1	<.05	8	<.5	30
TH5-300S	1.5	75.4	3.0	37	.1	6.3	5.4	213	6.75	1.2	1.2	1.9	9.2	59	<.1	.1	1.0	125	.08	.074	24	16.7	1.66	368	.139	1	2.73	.051	.85	.1	.01	10.7	.2	.60	10	2.6	30
TH5-350S	1.3	65.9	3.1	58	.1	7.9	7.1	282	4.35	2.4	.6	1.8	3.1	14	<.1	.1	.7	107	.27	.088	11	14.8	1.92	358	.136	1	2.89	.019	.54	<.1	<.01	13.4	.1	<.05	10	.8	30
TH5-400S	.5	93.7	4.5	97	<.1	13.4	35.5	681	5.34	3.1	1.0	2.1	3.8	21	<.1	.1	.3	148	.30	.034	16	25.9	2.06	439	.169	1	3.05	.034	.39	<.1	<.01	12.0	.2	<.05	11	1.0	30
TH5-450S	.8	45.7	6.3	73	.1	15.0	12.4	310	3.16	5.8	.5	2.2	2.0	15	.1	.3	.2	84	.23	.029	8	23.9	.82	224	.095	2	1.73	.020	.07	.1	.02	4.7	.1	<.05	6	<.5	30
TH5-500S	.6	67.1	4.0	86	.1	8.3	17.0	390	4.92	2.6	.4	1.9	1.5	12	.2	.1	.1	133	.39	.094	5	30.7	1.27	174	.133	1	2.13	.035	.28	<.1	.01	6.8	.1	<.05	10	.5	30
TH6-050N	1.4	15.9	10.5	54	.1	20.7	11.2	344	3.42	11.3	.7	2.3	4.0	14	.1	.6	.2	79	.14	.030	12	45.1	.54	138	.082	3	2.27	.010	.05	.1	.03	4.3	.1	<.05	7	.6	30
TH6-000N	.2	31.1	2.5	71	<.1	7.5	11.4	189	3.56	.8	1.0	.5	10.1	15	<.1	.1	.1	38	.08	.033	23	3.8	1.26	338	.140	1	2.12	.019	.80	<.1	<.01	5.3	.4	<.05	6	.6	30
TH6-050S	.9	91.3	3.5	58	<.1	6.6	11.7	267	6.85	1.5	.8	<.5	8.8	23	<.1	.1	.5	43	.08	.054	25	6.4	1.41	548	.192	1	2.98	.041	1.05	<.1	.01	9.3	.3	.41	11	1.3	30
TH6-100S	1.7	114.8	4.0	62	<.1	8.0	23.7	458	6.24	6.1	1.2	1.5	5.4	15	.1	.1	.3	64	.11	.088	14	7.4	1.35	374	.167	1	2.38	.016	1.01	.1	.01	13.8	.3	<.05	10	1.3	30
TH6-150S	1.3	56.2	3.1	58	.1	5.9	6.6	255	5.93	2.5	.6	1.7	2.1	41	<.1	.1	.2	160	.37	.061	13	14.7	1.90	651	.140	1	2.91	.032	.55	<.1	.01	15.4	.1	.19	11	1.2	30
TH6-200S	1.3	71.3	4.0	36	<.1	6.6	7.1	260	5.34	3.3	.7	6.2	4.3	44	<.1	.1	.3	120	.16	.058	14	15.3	1.53	361	.141	1	2.85	.025	.42	<.1	.01	13.5	.1	.09	10	1.0	30
TH6-250S	1.8	24.0	4.5	28	<.1	8.1	1.7	200	6.16	1.0	.5	.5	9.9	77	<.1	.1	.2	92	.09	.094	24	18.3	1.40	224	.112	1	2.13	.074	.92	<.1	<.01	8.7	.2	.92	6	3.2	30
TH6-300S	4.5	44.1	2.7	48	<.1	13.7	3.4	372	3.86	.9	1.0	.6	10.0	72	<.1	<.1	.2	97	.14	.066	36	30.7	2.03	491	.111	2	3.24	.022	.70	<.1	.01	12.5	.1	.32	12	1.3	30
STANDARD DS5	12.9	146.7	25.6	138	.3	24.8	11.7	781	2.99	18.8	5.8	42.4	2.7	46	5.8	3.9	6.1	62	.73	.092	11	191.0	.69	137	.097	17	2.00	.033	.15	4.7	.19	3.4	1.1	<.05	7	5.0	30

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample gm
TH6-350S	1.6	52.8	1.9	32	.1	3.9	4.6	238	5.32	.9	.7	1.9	9.1	62	<.1	.1	.5	84	.08	.070	20	6.4	1.80	334	.094	<1	2.50	.117	.52	<.1	.01	13.8	.1	.70	10	1.8	30
TH6-400S	.8	84.3	2.7	24	<.1	5.8	7.6	202	2.68	2.1	.7	4.8	8.7	9	<.1	.1	.1	69	.15	.043	10	9.3	1.34	202	.096	1	2.14	.011	.40	<.1	<.01	8.2	.1	<.05	6	<.5	30
TH6-450S	.8	80.8	14.5	27	<.1	10.3	9.0	214	3.94	2.0	1.0	1.5	12.8	23	.1	.1	.6	115	.11	.057	27	27.1	1.59	455	.131	1	2.59	.018	.67	<.1	.01	12.0	.3	.14	8	.8	30
TH6-500S	.6	44.9	3.3	46	<.1	18.0	9.4	456	3.27	3.1	1.0	7.1	7.6	17	<.1	.1	.3	129	.12	.050	23	62.7	1.40	279	.146	<1	2.16	.012	.49	<.1	.01	13.0	.2	<.05	10	<.5	30
TH7-100N	.6	16.6	3.5	133	<.1	10.6	28.5	1449	7.28	2.5	.7	1.7	3.4	23	.1	.1	.1	205	.38	.035	13	22.2	2.58	879	.239	2	3.00	.014	1.45	.1	.01	23.3	.6	<.05	11	<.5	30
TH7-050N	.3	33.4	3.7	134	<.1	12.5	22.8	1081	5.90	1.5	.4	1.9	3.8	12	.1	.1	.1	136	.16	.031	8	27.6	1.76	673	.179	1	2.56	.010	1.29	.1	.01	16.9	.5	<.05	11	.5	30
TH7-000	.5	71.9	2.8	90	<.1	18.9	23.3	1086	5.78	4.0	.7	1.5	4.3	13	<.1	.2	.1	159	.23	.025	8	38.9	1.70	691	.244	3	2.68	.010	1.47	.1	.02	21.9	.7	<.05	11	.5	30
TH7-050S	.7	113.3	3.3	99	<.1	18.0	31.0	1400	5.83	2.8	.8	2.0	5.1	11	.2	.1	.1	155	.39	.163	15	28.5	1.82	511	.272	2	2.83	.010	1.62	.1	.01	14.7	.6	<.05	9	.7	30
TH7-100S	.7	85.7	4.7	113	<.1	18.8	28.9	1203	6.21	2.1	1.1	1.3	6.0	33	.2	.1	.1	180	.40	.108	24	43.8	2.31	2554	.314	1	2.85	.014	1.53	.2	.02	19.3	.5	<.05	10	.6	30
TH7-150S	1.5	61.8	6.6	94	.5	16.5	20.5	1004	4.65	4.1	1.5	3.9	5.1	29	.3	.2	.2	113	.26	.073	18	32.4	1.36	1306	.180	1	2.38	.016	.80	.1	.03	11.4	.3	.08	9	.7	30
TH7-200S	1.2	54.7	8.2	83	.5	12.8	11.3	368	4.04	3.5	1.9	5.7	6.4	31	.2	.2	.5	80	.16	.067	24	24.6	1.00	700	.093	1	2.08	.021	.36	<.1	.03	7.2	.2	.18	7	1.3	30
TH7-250S	1.1	71.9	4.3	109	.1	15.2	29.8	774	5.79	2.1	1.2	1.6	4.9	21	.1	.1	.2	167	.18	.049	16	33.7	2.08	764	.226	1	3.00	.025	1.16	<.1	.01	13.8	.4	.08	10	.6	30
TH7-300S	1.2	57.8	6.4	67	.3	12.7	7.7	223	3.44	3.6	1.3	4.0	3.8	32	.1	.1	.6	80	.22	.054	16	24.2	1.14	369	.109	1	2.05	.020	.27	.1	.04	6.9	.1	.13	9	1.0	30
TH7-350S	1.0	62.6	6.6	66	.2	14.2	13.4	343	4.34	4.4	1.1	3.5	3.9	23	.1	.2	.5	93	.21	.050	14	27.7	1.16	339	.122	<1	2.15	.015	.28	.1	.03	7.8	.1	<.05	8	.9	30
TH8-100N	.7	31.4	8.7	81	<.1	20.9	11.4	437	3.32	8.1	.8	8.1	4.4	16	.1	.3	.1	76	.17	.027	14	33.9	.65	294	.097	2	2.06	.010	.07	.1	.04	6.6	.2	<.05	7	.6	30
TH8-050N	.4	54.5	3.3	114	<.1	10.2	25.7	866	5.92	2.4	.4	<.5	2.5	13	.1	.1	.1	187	.19	.022	6	57.8	1.52	592	.236	1	2.74	.019	.78	<.1	.01	15.3	.4	<.05	10	.6	30
TH8-000	.3	65.8	8.9	298	<.1	16.6	16.5	1347	5.43	3.4	.7	<.5	6.2	12	.3	.1	.2	114	.45	.108	22	28.6	1.44	1120	.235	1	2.27	.010	1.12	.1	.02	13.8	.4	<.05	11	.5	30
TH8-050S	.8	30.1	7.7	92	.1	13.8	11.7	573	3.81	7.1	.6	3.2	3.8	19	.1	.3	.1	89	.28	.034	13	28.4	.81	453	.106	3	1.70	.010	.15	.1	.04	7.8	.2	<.05	7	<.5	30
TH8-100S	.8	44.4	4.7	74	.1	11.4	10.8	483	3.37	4.6	.8	3.3	3.9	24	.1	.3	.1	93	.32	.039	11	23.2	1.06	719	.176	1	1.76	.014	.38	<.1	.02	7.4	.2	<.05	7	.8	30
RE TH8-100S	.8	46.0	4.7	71	.1	12.0	10.6	468	3.34	4.3	.6	1.0	3.7	25	<.1	.3	.1	86	.30	.037	12	22.1	1.00	741	.160	1	1.63	.012	.35	<.1	.02	7.2	.2	.06	7	.7	30
TH8-150S	1.0	57.4	5.9	72	.1	12.0	11.3	542	3.33	6.0	.6	6.0	3.0	21	.1	.4	.1	82	.27	.037	9	24.4	.87	535	.120	2	1.61	.013	.27	.1	.02	6.5	.2	.06	6	.7	30
TH8-200S	1.1	51.6	6.2	83	.1	12.1	10.9	540	3.47	6.9	.5	1.1	2.7	22	.1	.3	.1	85	.24	.034	8	24.2	.97	468	.147	1	1.85	.011	.26	.1	.03	5.8	.1	.08	7	.7	30
TH8-250S	.7	57.3	4.8	103	<.1	10.2	16.4	670	3.69	3.8	.5	1.1	2.0	21	.1	.2	.1	98	.26	.043	7	21.5	1.21	589	.192	1	2.00	.013	.54	<.1	.01	4.6	.2	<.05	8	<.5	30
TH8-300S	1.0	52.8	6.9	86	.3	12.8	13.1	727	3.43	6.2	1.0	130.0	2.6	26	.1	.3	.1	83	.37	.061	11	25.8	.87	642	.127	1	1.75	.011	.28	.1	.08	6.6	.1	.09	7	<.5	30
TH8-350S	.8	39.8	6.6	84	.2	13.5	13.7	660	3.63	6.7	.8	2.5	2.2	22	.1	.5	.2	92	.36	.064	10	27.5	.92	570	.105	2	2.00	.013	.21	.1	.04	7.4	.1	<.05	7	.5	30
TH8-400S	.8	31.4	6.4	77	.3	12.0	12.4	813	3.11	5.8	.9	2.3	1.8	23	.2	.2	.1	80	.30	.059	10	25.9	.75	501	.090	2	1.73	.011	.16	.1	.07	7.8	.1	<.05	7	.5	30
TH8-450S	.7	31.8	4.9	85	.2	10.2	11.9	696	3.59	4.1	.7	2.3	1.9	19	.2	.2	.1	99	.41	.066	10	25.4	.90	594	.121	2	1.73	.013	.27	.1	.04	8.5	.1	<.05	7	.5	30
TH8-500S	.7	24.8	6.1	69	.1	13.4	17.9	715	3.97	6.5	.7	8.8	2.9	21	.1	.2	.1	67	.26	.045	10	23.8	1.07	379	.113	1	1.99	.012	.20	.1	.02	7.1	.1	<.05	8	.5	30
STANDARD DS5	12.2	145.9	25.2	141	.3	24.8	11.8	808	3.06	19.5	5.8	42.1	2.6	50	5.8	3.8	6.3	62	.69	.098	12	188.8	.70	141	.105	18	2.02	.034	.13	4.9	.19	3.4	1.0	<.05	7	4.9	30

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

APPENDIX II

Rock Sample Descriptions and Location Data

ABBREVIATION CODES											
MINERALS		**ROCKS/MODIFIERS**		**TEXTURES/HABIT**		**ALTERATION**		**COLOUR**		**STRUCTURE**	
ACT	actinolite	AND	andesite	ACI	acicular	ADA	advanced argillic	bf	buff	AP	axial plane
ALU	alunite	ASH	ash	ALL	allotriomorphic	ARG	argillic	bk	black	BED	bed
AMP	amphibole	BAS	basalt	APH	aphanitic	BIO	biotite	bl	blue	BXA	breccia
ARS	arsenopyrite	BLK	block	BLA	bladed	BLE	bleached	bn	brown	CLE	cleavage
AUZ	auzurite	CSI	calc-silicate	BLY	blebby	ENV	envelope	gn	green	CON	contact
BAR	barite	DAC	dacite	BOT	botryoidal	LEA	leached	gy	grey	DYK	dyke
BIO	biotite	DIO	diorite	BOX	boxwork	OX	oxidized	or	orange	FA	fold axis
BRO	brocantite	EPC	epiclastic	CAC	caca de mosque	PER	pervasive	pk	pink	FLT	fault
CAL	calcite	FEL	felsic	COA	coating	PHL	phyllic	pu	purple	FOL	foliation
CDY	chalcedony	GAB	gabbro	COC	cockade	POT	potassic	rd	red	FRA	fracture
CHL	chlorite	GNE	gneiss	COM	comb	PRO	propyllitic	ta	tan	FW	foot wall
CPY	chalcopyrite	GRD	granodiorite	DEN	dendritic	SCA	scapolitized	wh	white	HW	hanging wall
CRCO	chysocolla	GRN	granite	DIS	disseminated	SEL	selvage	yw	yellow	JOI	joint
DIP	diopside	GRT	grit	DRU	drusy	SER	sericitic			LIN	lineation
EPI	epidote	HFL	hornfels	ENC	encrusting	SF	silica flooded			LS	landsat
FEL	feldspar	INT	intermediate	EQI	equigranular	SIL	silicification	lt	light	STK	stockwork
GAL	galena	LAP	lapilli	EU	euhedral	SOD	sodic	dk	dark	STR	stringer
GAR	garnet	LST	limestone	FIL	film	STN	stain			THR	thrust
GOE	goethite	MAF	mafic	FOS	fossiliferous			LEU	leucocratic	VN	vein
GYP	gypsum	MBL/MAR	marble	HYP	hypidiomorphic			MES	mesocratic	VNLT	veinlet
HBL	hornblende	MNZ	monzonite	MAM	mammalian			MEL	melanocratic		
HEM	hematite	PEG	pegmatite	MAS	massive						
JAR	jarosite	PHY	phyllite	MOT	mottled						
JAS	jasper	QTE	quartzite	OPH	olphitic			**MISC**			
KAO	kaolinite	RHDC	rhyodacite	OPS	open space			tr	trace		
LIM	limonite	RHY	rhyolite	POR	porphyritic			tn	thin		
MAG	magnetite	SCH	schist	RAD	radiating			med	medium		
MAL	malachite	SYE	syenite	SPO	spotted			tk	thick		
MAR	martite	SYMZ	syeno-monzonite	TAB	tabular			wk	weak		
MOL	molybdenite	TUF	tuff	UND	undifferentiated			mod	moderate		
MUK	mushketovite	VN	vein	VES	vesicular			stg	strong		
MUS	muscovite	VNLT	veinlet	VUG	vuggy			ORG	organics		
ONX	onyx	VOL	volcanic	XLN	crystalline			o/c	outcrop		
PHG/PHL	phlogopite							s/c	subcrop		
POO	pyrrhotite										
PY	pyrite										
QTZ	quartz			FIG	fine grained						
SIA	silica			MEG	medium grained						
SPEC	specularite			COG	coarse grained						
SPH	sphalerite										
SX	sulphide										
TAL	talc										
TOU	tourmaline										
TQS	turquiose										

ROCK SAMPLES - THISTLE (13-24) Claims

Station Number	Target Number	Sample Number	Date d/m/y	Utm Nad 27 Alaska, Zone 7		Elevation (m)	Sample Type	Colour		Alteration
STATION	TARGET	SMPL	DATE	EASTING	NORTHING	ELEV	SMP TYPE	W.S.	F.S.	ALT 1
RZ-20	ridge	RZ-20	20/06/2004	591563	6999643	1024	grab	pale yw		ox

Station Number	Minerals Mineral 1 + description	Mineral 2 + description	Mineral 3 + description	Mineral 4 + description	Mineral 5 + description	Textural Modifiers 1	2	3	Rock Type
STATION	MINERAL 1	MINERAL 2	MINERAL 3	MINERAL 4	MINERAL 5	RX MOD1	RX MOD2	RX MOD3	RX TYPE
RZ-20	qtz	fel	ser	gar-tr	lim-jar-mod	qtz	ser	gar	SCH

Station Number	Notes
STATION	NOTES
RZ-20	chips from soil hole - pale orangy yellow; high geochemistry