

**Tam Group**  
**Mineral Claims**

Map Sheets 93N083, 093, 93C003

**Omineca Mining Division**

125 31 West Longitude

55 57 North Latitude

**Prospecting Report**

January 2006

By:

Lorne B. Warren

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## **Summary and Conclusions**

### **Tam Project, Prospecting Program 2005**

A total of 64 mandays were spent prospecting the Tam Project area. The two areas that received the most attention were the new Misty North Cirque showing and the West Showing near the Boundary deposit.

On the Misty North Cirque showing a zone of intense alteration having dimensions of 400 metres by 2000 metres. Showing multi stage intrusive breccias with significant copper sulphides (Bornite, chalcopyrite, chalcocite, magnetite).

Extensive zones of metasomatite contain most of the copper mineralization see figure # 1 (Geology Map by Teck Cominco Geologists). The West zone occurs just South of the known Boundary Deposit and shows intense potassic alteration in what appears to be a Mega Breccia with blocks of intrusive several metres in diameter. The boundaries of the breccia blocks contain seams of biotite up to half a metre wide containing semi massive Bornite and chalcopyrite in seams and blobs. The grade of these seams contain several % copper (up to 11%) and up to 9 grams gold per ton gold. The projected strike of the zone is traced by copper gold soils for a further 450 metres south of the known occurrence.

### **Recommendations**

A program of trenching, mapping, and diamond drilling is recommended for both the Misty and West showings in the 2006 season.

## **Location and Access**

The Tam Group is located in north central British Columbia, approximately 55 km north west of Germansen landing and 165 km Northeast of Smithers British Columbia.

A rough four wheel drive road was opened up by Eastfield Resources following the Steele Creek Valley from the HaHa creek valley to the Lorraine deposit. This connects with a rough road to the Misty deposit area (See figure ). Due to the condition of the road access to the claims was done by helicopter from the Silver Creek Base Camp (see figure ).

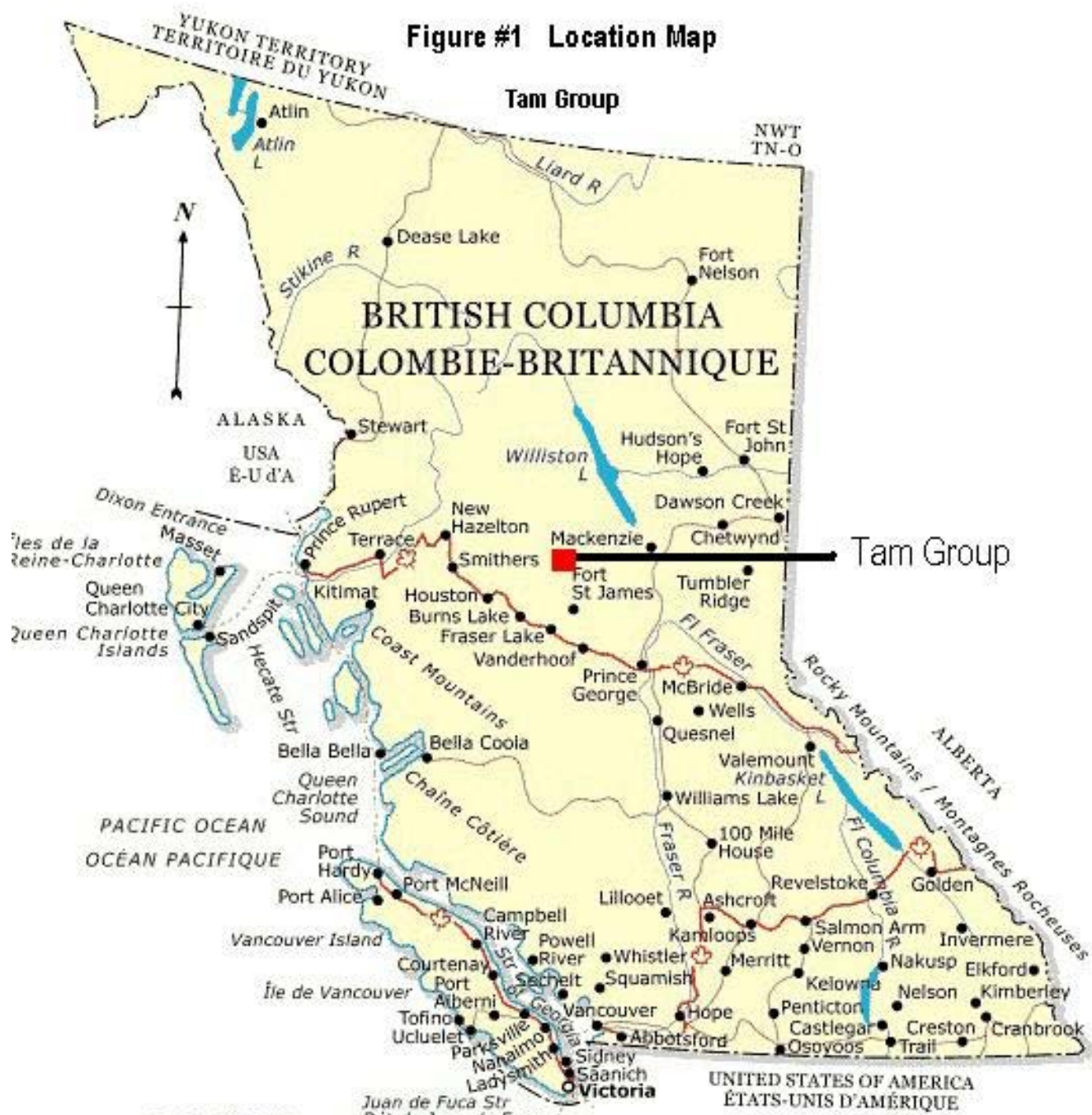
## **Physiography**

Elevations on the property range from 1,300 metres in the broad valley bottoms, up to 1600 metres on the ridges. The valley areas below tree line are swampy with a dense coniferous tree cover. Above tree line at approximately 1,600 metres, vegetation thins to sparse stunted conifers with extensive steep scree slopes and cirques which commonly contain small lakes or ponds.

## **Exploration History**

The Tam Group of claims have a long history of exploration for copper gold porphyry's starting in the 1940's and continuing through each of the copper exploration cycles in British Columbia. The newest discovery in 2005 was the Broken Rib showing which actually was the re-discovery of the Fore showing. Winter research on-line using the the British Columbia Governments Mapplace and recently released report files revealed a copper showing that appeared to be northwest of the Misty deposit (see references).

**Figure #1 Location Map**



**Scale / Échelle**  
 100 0 100 200 300 km

© 2000. Her Majesty the Queen in Right of Canada, Natural Resources Canada.  
 Sa Majesté la Reine du chef du Canada, Ressources naturelles Canada.

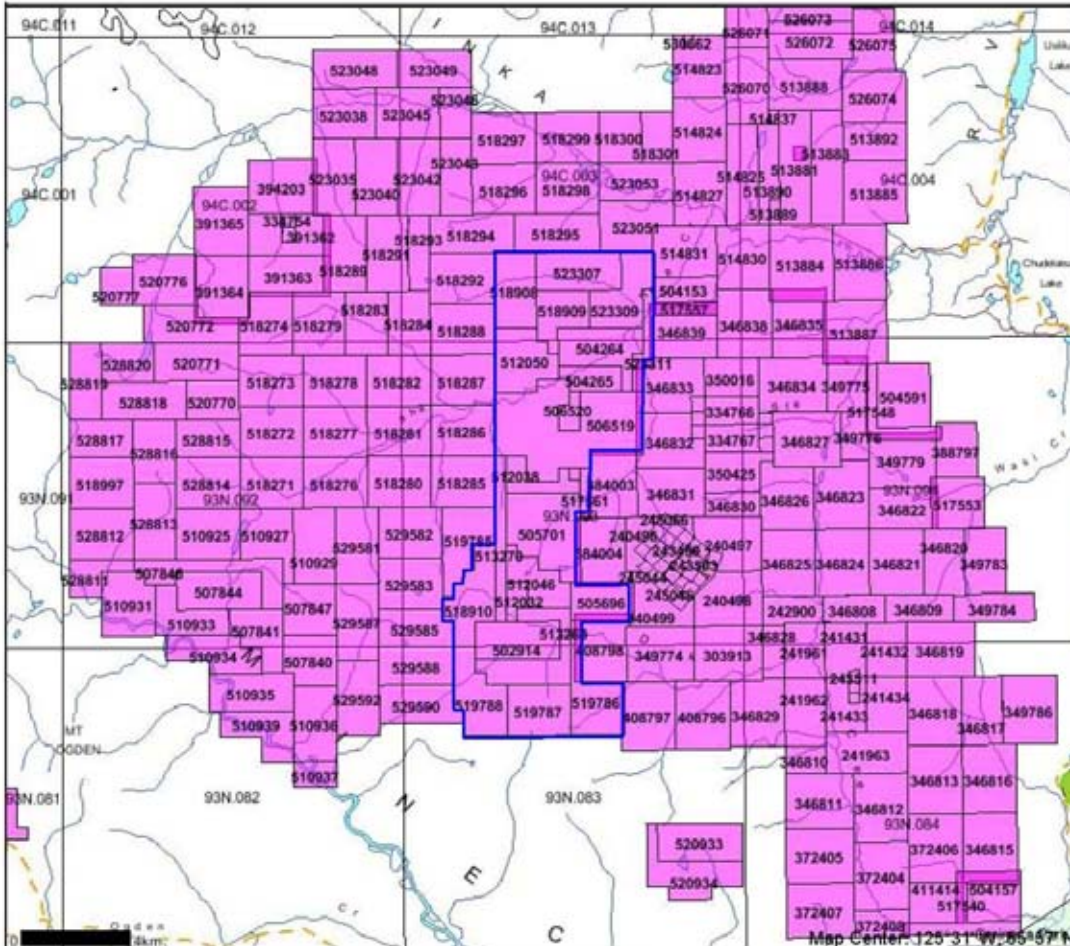
## **Tenure list Tam Group**

Tenure #	Due Date	# Hectares
501033	2006/01/06	18.108
502914	2006/01/13	435.222
504264	2006/01/19	452.276
504265	2006/01/19	199.038
505696	2006/05/03	326.303
505701	2006/05/04	724.634
506519	2006/03/15	1393.776
506520	2006/03/15	90.495
512032	2006/05/02	90.634
512046	2006/09/09	308.099
512050	2006/05/04	452.274
513269	2006/05/25	220.409
513270	2006/05/25	235.517
518908	2006/08/11	434.007
518909	2006/08/11	325.57
518910	2006/08/11	<u>453.159</u>
Total hectares		6159.521

# Figure#2

## Tam Group MTO Tenure Map

Outlined in Blue



### Legend

- Indian Reserves
- National Parks
- Parks
- Mineral Tenures
- Reserves (Sites)
- Floor Class Designation
- Floor Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- MCOG Grid
- Annotation (1:250K)
- Transportation - Points (1:250K)
- Airfield
- Anchorage - Seaplane
- Ferry Route
- Hillport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown
- Airport Abandoned
- Transportation - Lines (1:250K)
- Ferry Route
- Aerial Cableway
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 2 Lanes
- Road (Paved Jans.Sor More Divided)
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road - Paved Jans.Sor More Undivided
- Road (Unimproved)
- Road - Loose access Dry Weather
- Road (Winter Road)
- Road - Paved Jans.2 Undivided
- Road - Paved Jans.2 Undivided w/C
- Road - Paved Divided access, Non Standard
- Track - Cart/Tractor
- Causeway (Railway)
- Cut (Roadway)
- Trail
- Tunnel
- Bridge
- Rail Line - Narrow Gauge - Single Track
- Rail Line (Multiple Track)
- Rail Line (Single Track)
- Rail Line - Abandoned Track
- Cable - Telephone
- Cable - Underwater

**Scale: 1:209,219**

**DO NOT USE FOR NAVIGATION**

## **Regional Geology**

The Tam property lies in the northern portion of the Hogem Batholith, a 160 km long, 10-30 km wide, Upper Triassic to lower Jurassic rocks and associated Alkalic and Calc-alkalic plutons. This regional sequence of rocks is contained in a physiographic feature known as the Quesnel Trough and contains numerous significant copper deposits. These include, from the south to the north, Copper Mountain-Inger Belle, Afton, Cariboo Bell, QR, Mount Milligan, Lorraine, Tam, Misty, Cat/Bet and Gnat Lake.

The Hogem Batholith is fault bounded on the west side by the Pinchi Fault and by upper Triassic Takla Volcanics along its eastern margin. The general geology on the eastern side of the Hogem Batholith consists of Takla volcanics, which are predominantly andisites with some basaltic volcanic tuffs and breccias interbedded with the flow rocks, cut by porphyry dykes. The west side of the Pinchi Fault consists of Takla volcanics to the north and Permian Cache Creek limestone and dolomites to the south. The Pinchi fault has been traced for 600 km.

## **Property Geology**

The Tam property lies within the Lower to Middle Jurassic Duckling Creek Synite complex of the Hogem Batholith. The syenite complex trends northwesterly for approximately 45 km and varies in width from 1-7 km. The Tam claims are located in the northern half of the complex.

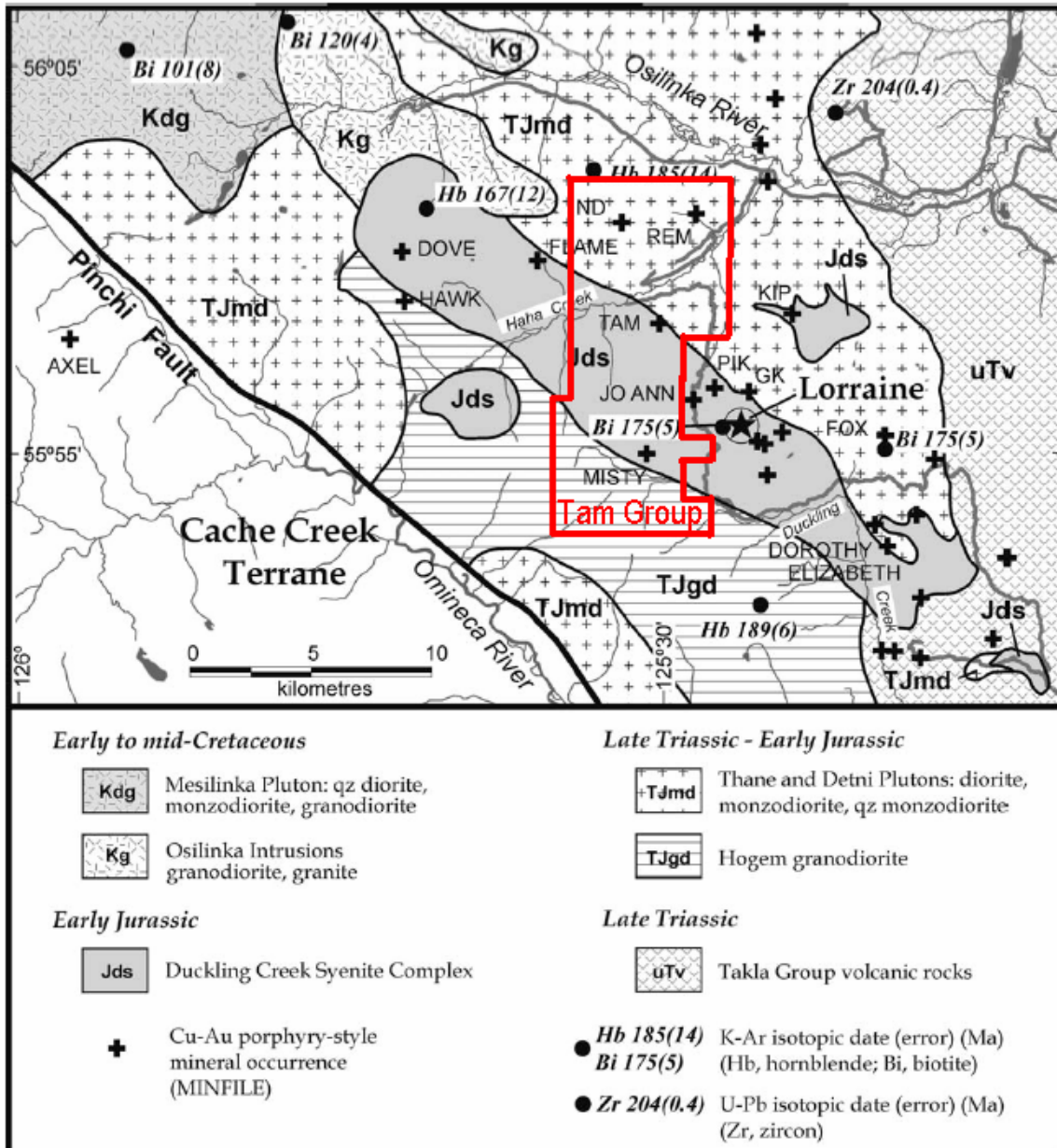
Lithologies on the Tam property include nonzodiorites, syenodiorites, foliated monzonites, gneissic syenites, mesocratic syenites, leuconcratic and holofelsic syenites. Pendent rocks (greenschists, micashists, gneissic migmatites), quartz monzonites and quartz diorites.

Predominant structural trends on the property run north-south and east-west. Evidence of these trends prevail around the Ridge and Sam Zones and topographic lineations: such as streams, gullies, and scraps; also suggest similar structural orientations in the vicinity of the Boundary deposit which has very poor outcrop exposure.

Foliations within the foliated syenitic migmatites or hybrid rocks trend northwesterly and dip steeply. Foliated planes are defined by the alignment of chlorite and sericite grains, streaks of potassium feldspar, and by altering bands of leucosyenitic and mafic material.



Figure #3



Modified from Open File 2003-4\_Lorraine Graham Nixon and Giles Peatfield

## Descriptions of Main Showings

### 1. Boundary Deposit

The boundary deposit consists of a drill indicated reserve of 7.5 million tons of 0.55% copper and 0.2 oz./ton silver (1974 figures).

The copper mineralization occurs as fine grained disseminations and as fracture controlled quartz and chalcopryrite veinlets (plus or minus pyrite, magnetite, secondary biotite and potassium feldspar). Some mineralized fractures show pink to red potassium feldspar plus or minus pyrite and sericite alteration envelopes.

The best copper mineralization at the core of the deposit is associated with a zone of strong potassic alteration and a very high chalcopryrite to pyrite ratio. Examination of the drill core left on the property showed that a large portion of the drill core remains unsplit and explains why there are large gaps in the drill hole assay data. A close examination of the unsplit core revealed significant Bornite/chalcopryrite mineralization in fine grained foliated syenite.

### 2. Ridge Showing

The Ridge Showing is a foliated syenite outcrop which contains sparse disseminated chalcopryrite over 10 metres. Samples of brecciated syenite cemented by massive bornite located at the showing assayed 3.22% Cu and 1.15 g/t Au (Grab sample).

### 3. Slide Showing

Chalcopryrite occurs in float and in fine-grained, foliated and highly magnetic syenite. Rock chips over minor outcrop gave a weighed grade of 0.6% copper over approximately 20 metres (200-300 metres in strike length). The mineralization occurs in a thin band along a magnetic anomaly.

### 4. Midway Showing

Fine grained syenite outcrop contains sparse disseminated chalcopryrite over 10 metres. Several new outcrops were discovered during the summer of 2000 by Lorne Warren. These occur in an area approximately 100 metres by 200 metres along the east side of the location line for the Haha 2 mineral claim (see figure #). This showing was drilled in the 70's and showed only low copper values.

### 5. Cirque showing

Chalcopryrite is found disseminated in a fine-grained magnetite-biotite syenite. Mineralization in this showing formed the basis for staking in 1969 and drilling in 1972. In 2000 this showing was examined and found to be limited in its extent.

## 6. Sam Showing

The sam zone is a copper gold soil anomaly discovered during the Veritech Resources 1990-91 program. The anomaly covers an area approximately 50,000 square metres in extent. Prospecting in 2000 discovered extensive quartz veining and sericitic alteration related to the soil anomaly. This is a different style of alteration from the Boundary or Midway showing. This may explain why there are better gold in soil results occurring in the Sam showing.

## 7 Aran Showing

The Aran showing was discovered in 1990 by Aranlee Resources Ltd. during work done on the Misty group of Mineral claims (ass. Rpt. #21307). This showing consists of float slabs containing high copper, gold results, 3000 ppb Au – 6830 ppb Au and 4.6% Cu – 22.3 % Cu. Prospecting in 2000 discovered similar material in talus approximately 700 metres north of the Aran showing. The samples are all medium grained, leucocratic syenite with pervasive malachite staining, iron staining, sericite, epidote and K-feldspar alteration.

## 8. Misty Deposit

The preliminary copper inventory outlined by El Paso occurs within a northwesterly trending fault zone. The mineralized zone is 500 metres long averaging 11 metres wide and extending to at least 170 metres in depth. Rough reserve estimates were calculated at 3 million tons grading 0.63% copper (Jones 1989). The more intensely altered and mineralized sections show an enriched magnetite content relative to the less altered, less foliated surrounding rock.

## 9. Broken Rib

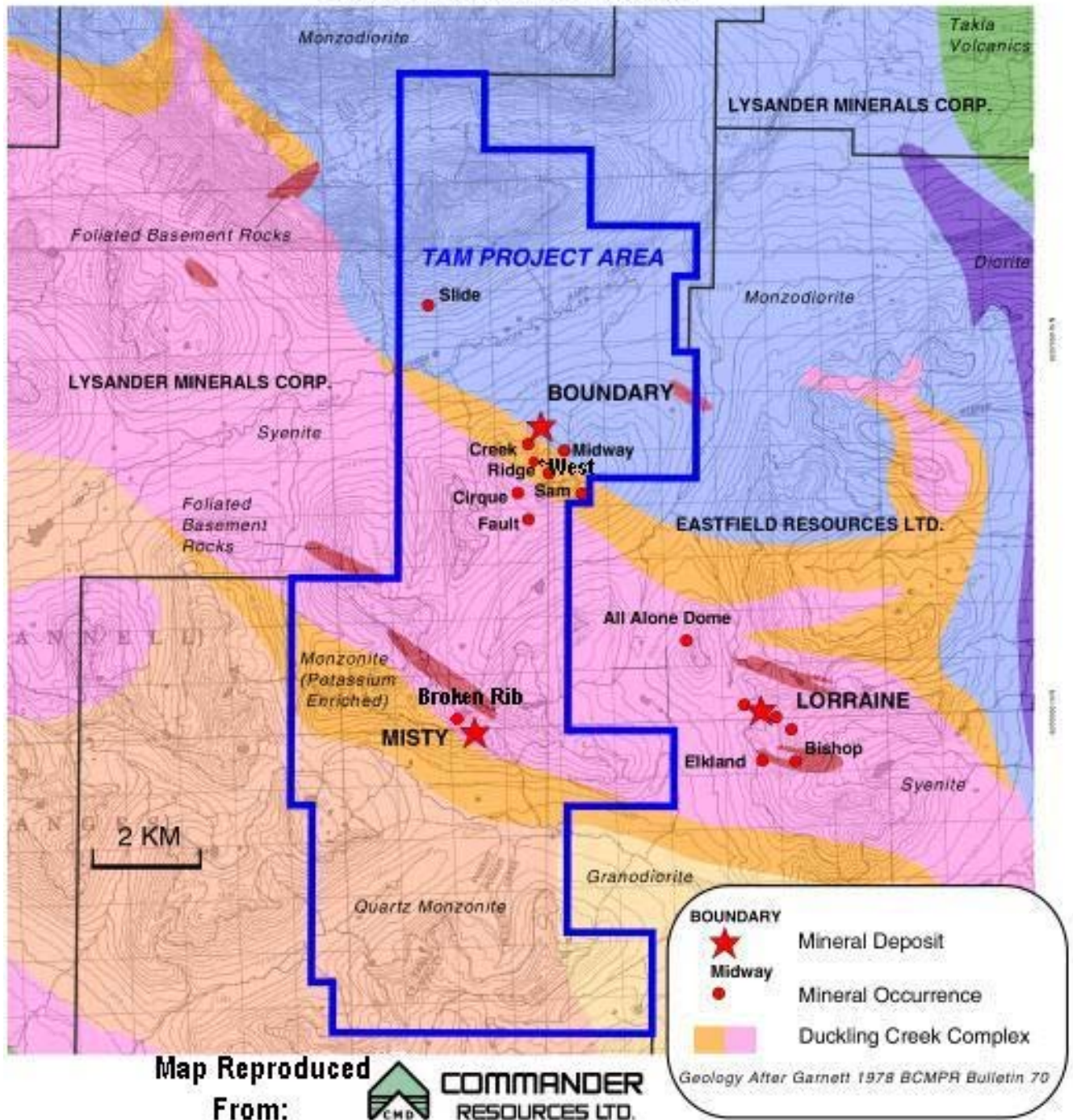
The Broken Rib showing was discovered in 2005 by following talus float into a North facing cirque late in August (snow pack in the cirque was the lowest in 25 years). Intensely altered syenite containing gneissic banding with garnet k-feldspar and intense sericite, albite, garnet and biotite alteration. Grab samples assayed < 10,000 ppm copper and 750-950 ppb gold. (see figure and report ) Talus blocks located further along to the north west mineralized trend consist of massive bornite and chalcocite within a intensely brecciated K-feldspar altered syenite. The float blocks of breccia are upto 0.5 metre in diameter. (Figure )

## 10. West Showing

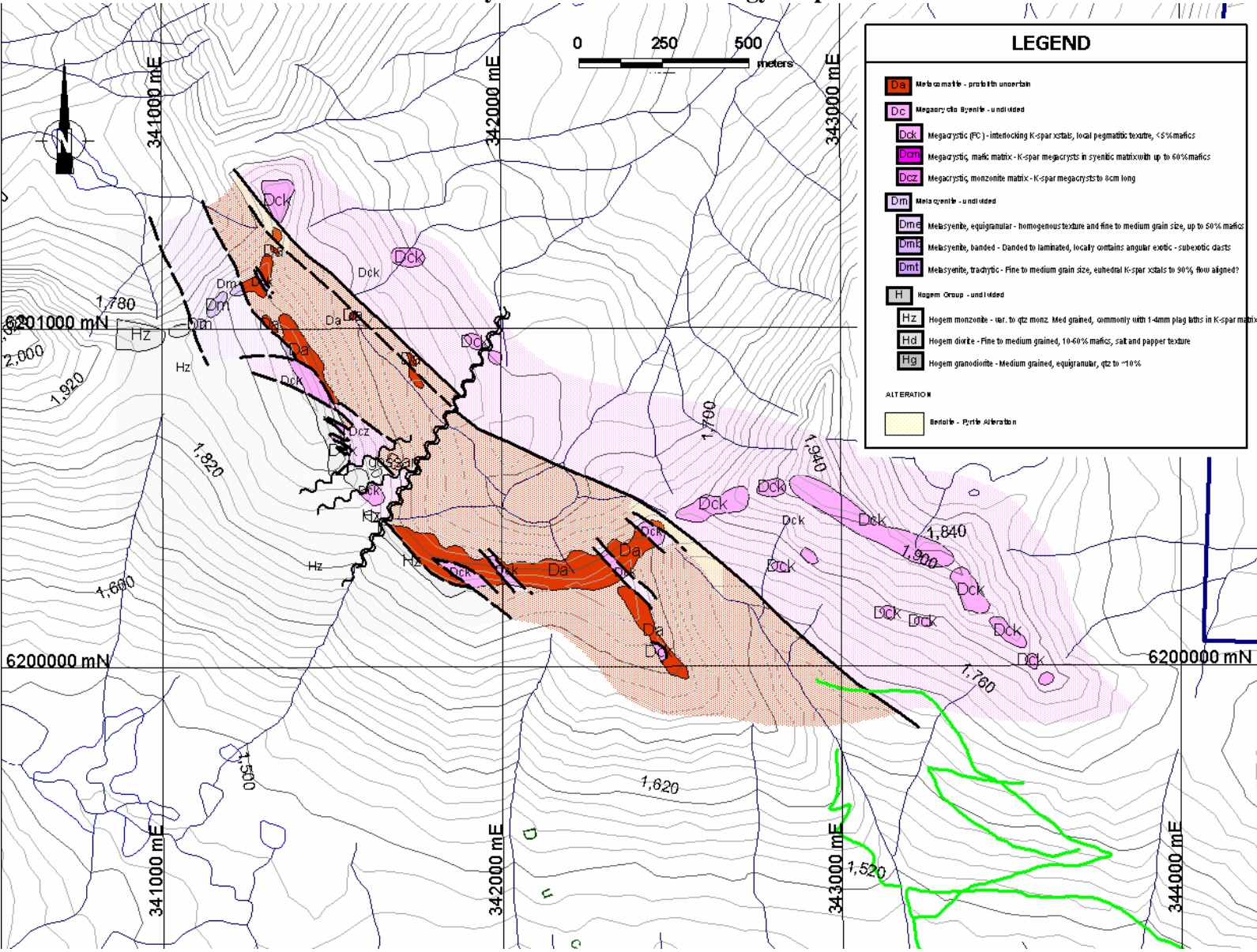
The west showing appears to be a mega – breccia with blocks up to several metres in cross section and bounded by biotite veinlets containing massive bornite and chalcopyrite clots and veinlets. (assays of grab samples contain 9.36 g/t Au & 11.285% Cu) The mineralization is spread over an outcrop area of at least 100 x 100 metres where it goes under Talus debris and overburden.

# Figure # 4

## TAM PROJECT Copper-Gold Porphyry Duckling Creek Complex, British Columbia

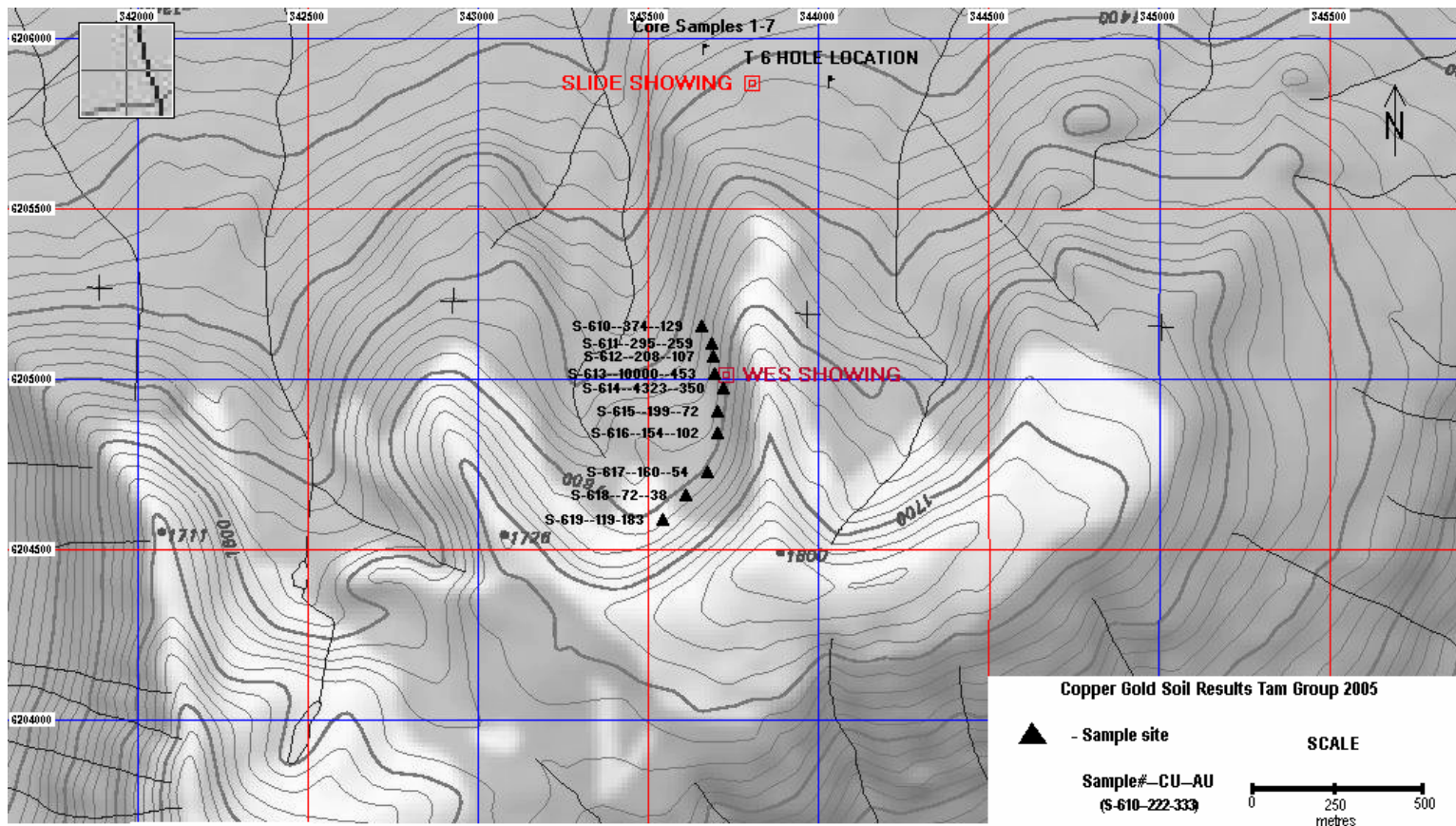


**Figure #5**  
**Misty and Broken Rib Geology Map**



Mapping by Teck Cominco personnel supervised by Graeme Evans P.Geo.

Figure #6



## Prospecting Summary

The 2005 prospecting on the Tam Group occurred from July to October in 3 separate small prospecting programs. Prospecting consisted of traverses through out the claim group from the ridges down to the valley's using helicopter support from The Silver Creek Base camp.

Discovery of the Broken Rib showing in August led to the majority of new prospecting centering around the lake and cirque. Continued prospecting around the high grade West showing also expanded the showing to twice it's original size on surface with a 8 metre chip assay of 19,710ppm Copper and 364 ppb Gold taken by Serengetti Resources Ltd. during a property exam in October (sample# OR-52).

In total 4 mining companies examined the Tam Group in 2005. Amarc Resources visited the property in August, Teck Cominco visited the property several times in September. October brought Serengetti Resources and Hard Creek Nickel, although they both received high assays off the West showing (Hard Creek's grab assayed 11.285% Cu and 9.36 g/t Au sample # 144845) Teck Cominco tabled an offer.

Over all the 2005 prospecting program on the Tam successfully outlined additional resources on the Claim Group and lead to the optioning of the claims.

# Statement of Expenditures

Invoice No.

**CJL Enterprises Ltd.**

Box 662 Smithers, B.C. VOJ 2N0

**INVOICE**

<b>Customer</b>			
Name	Lorne Warren		
Address	Box 662		
City	Smithers	Prov. BC	P/C V0J 2N0
Phone	250-847-3612		

Date	December 1/2005

Qty	Description	Unit Price	TOTAL
	Tam Group Project		
	July 3rd-10th, Aug 6th-15, Aug 25th-Sept 10th, Oct 2nd-8th		
16	Lorne B. Warren Prospector	\$450.00	\$ 7,200.00
16	Corey Degrasse Experienced Assistant	\$300.00	\$ 4,800.00
16	Bruce Anderson Prospector	\$400.00	\$ 6,400.00
16	Ryan Zalinsky Assistant	\$260.00	\$ 4,160.00
64	Room and Board	\$85.00	\$ 5,440.00
4400	4 Return Trips to Silver Creek Camp from Smithers (LBW)\$ .40/km	\$0.40	\$ 1,760.00
4400	4 Return Trips to Silver Creek Camp from Smithers (RBA)\$ .40/km	\$0.40	\$ 1,760.00
16	10 days truck costs travel only	\$85.00	\$ 1,360.00
12	Helicopter Time from Interior Helicopters Ltd. from Silver Creek Camp (\$1100/hr including fuel) total of 16 trips .75 hr. per trip	\$1,100.00	\$ 13,200.00
18	Rock Samples assay costs	\$30.00	\$ 540.00
10	Soil Samples assay costs	\$20.00	\$ 200.00

SubTotal	\$ 46,820.00
Shipping	
GST 7.00%	\$ 3,277.40
<b>TOTAL</b>	<b>\$ 50,097.40</b>

<b>Payment</b>	Other

Office Use Only
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GST # 100983196 RT
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*Experience Counts !!*



# **Lorne B. Warren**

## **Statement of Qualifications**

1963 – Geological Assistant – Mastodon Highland Bell – Gordon Hilchey – Geologist – Dome Mountain Area.

1964 – Geological Assistant – Phelps Dodge Corp. Stikine Area.

1965 – Prospector/Geological Assistant – Native Mines

1966 – 1971 – Full time field Tech / line cutter/ Prospector Manex Mining Ltd. – M.J. Beley – Manager

1971-1979 – Granby Mining corp. – Field Supervisor, Office Manager, Supervised Drill Programs – Logged core and percussion drill cuttings.

1979 – Present – President of CJL Enterprises Ltd., Kengold Mines Ltd. and Director of Rising Gold Exploration Ltd. – Awarded the H.H. “Spud” Huestis by the BCYCM in 2001.

# Bibliography

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- Wilmont, A.D.; 1962, Assessment Report#440, Summary Report on the Fore Claim Group
- Nixon, G.T. & Peatfield, G.R, Open file 2003-4 Geological Setting of the Lorraine Cu-Au Porphyry Deposit Duckling Creek Syenite Complex, North – Central British Columbia.

## Appendix 1

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716  
 Hard Creek Nickel Corporation PROJECT Lorne Warren  
 Acme file # A505890R Received: OCT 17 2005 \* 2 samples in this disk file.  
 Analysis: GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1/2 A.T. SAMPLE, ANALYSIS BY ICP-ES.  
 ELEMENT Au\*\*  
 SAMPLES gm/mt  
 144845C 9.36  
 STANDAR 5.76

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716  
 Hard Creek Nickel Corporation PROJECT Lorne Warren  
 Acme file # A505890 Received: SEP 16 2005 \* 2 samples in this disk file.  
 Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.  
 AU\*\* PT\*\* & PD\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (10 gm)

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi
SAMPLES	%	%	%	%	gm/mt	%	%	%	%	%	%	%	%	%
144845C	<.001	11.295	0.01	0.05	105	0.002	0.019	0.09	15.14	<.01	0.013	0.001	<.001	<.01
STANDARD	0.048	0.573	1.55	4.24	162	0.373	0.045	0.21	23.13	0.23	0.171	0.031	0.132	<.01

ELEMENT	Ca	P	Cr	Mg	Al	Na	K	W	Hg	Au**	Pt**	Pd**
SAMPLES	%	%	%	%	%	%	%	%	%	ppb	ppb	ppb
144845C	1.56	0.714	0.001	0.59	1.03	0.02	0.64	<.001	<.001	9064	6	36
STANDARD	2.37	0.081	0.07	1.71	1.43	0.21	0.51	0.07	0.18	501	465	484

**ROCK DESCRIPTIONS TAM/JAN PROPERTY**

Sample #	Type of sample	Location	Cu(ppm)	Au(ppb)	Comments
OR-47a-1	grab	Misty	6791	282	foliated K-feldspar-biotite-plagioclase-magnetite rock with cpy along foliations (biotite, magnetite and cpy secondary rest primary? i.e sheared monzonite)
OR-47a-2	grab	Misty	4288	180	similar to OR-47a-1
OR-47a-3	grab	Misty	6394	58	similar to OR-47a-1
OR-47a-4	grab	Misty	15740	280	similar to OR-47a-1
OR-47b-1	grab	Misty	94	10	monzonite, propylitized?
OR-47b-2	grab	Misty	300	10	monzonite, propylitized?
OR-47b-3	grab	Misty	5978	284	sec. Kf rock with diss cpy, malachite
OR-52	8m chip	Wes	19710	364	biotitized/k-feldspathized, brecciated syenite with malachite/azurite
MJO					

SERENGETI RESOURCES-X05															
55083-55236															
Report date: 06 OCT 2005															
LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm
R0529254	OR-52/55038	19710	<4	274	11.8	6	135	3	72	3	7.02	<2	15	<5	<5
V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm		
183	3	<2	86	11	32	1479	0.24	0.02	0.67	0.95	0.06	0.38	2357	10	

Report date: 05 OCT 2005															
LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm
R0529349	OR-47A1/55041	6791	<4	94	5.7	10	27	1	13	2	5.29	<2	40	<5	<5
R0529350	OR-47A2/55042	4288	9	120	3.0	8	45	1	21	4	7.00	<2	37	<5	<5
R0529351	OR-47A3/55043	6394	12	255	1.1	10	36	6	17	1	6.37	<2	28	<5	<5
R0529352	OR-47A4/55044	15740	<4	156	4.3	8	38	1	22	2	8.02	<2	23	<5	<5
R0529353	OR-47B1/55045	94	4	41	0.7	8	67	<1	4	<1	2.47	<2	19	<5	<5
R0529354	OR-47B2/55046	300	<4	64	1.0	11	134	<1	7	<1	2.56	<2	19	7	<5
R0529355	OR-47B3/55047	5978	6	44	12.7	10	69	<1	61	20	3.20	<2	20	<5	<5

V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
181	4	<2	35	7	25	1023	0.38	0.08	0.75	1.37	0.16	0.23	1823
256	<2	<2	71	13	32	1833	0.92	0.11	1.68	2.05	0.36	0.58	2956
180	<2	<2	156	7	29	1718	0.58	0.06	1.05	2.07	0.09	0.58	1232
301	<2	<2	48	14	36	1726	0.67	0.08	1.28	1.95	0.21	0.39	3675
48	4	<2	71	5	21	430	0.09	<0.1	0.59	1.24	0.06	0.28	650
70	<2	<2	122	7	24	815	0.43	0.04	0.88	1.58	0.06	0.51	743
66	2	<2	65	4	19	247	0.17	0.06	0.44	0.27	0.06	0.32	1218

