

YEIP

05-034

2005

YMIP 05-034

2005  
**REPORT ON THE ~~2003~~ GEOLOGICAL  
AND GEOCHEMICAL WORK ON  
THE LDH 1-6 CLAIMS**

Claim Name: Grant No's  
LDH 1-6 YC25229-YC25234

**WATSON LAKE MINING DISTRICT, YUKON TERRITORY  
NTS: 105A/11**

Latitude 64° 39' 30"  
Longitude 129° 19'

Work Conducted:  
August 3 – 6, 2005

YMIP # 05-034

Owner and Operator:  
**Roger Hulstein**  
106 Wilson Drive  
Whitehorse, Yukon Territory  
Y1A 5R2

Prepared by:  
Roger Hulstein, B.Sc., P.Geo.

January 30, 2006

## SUMMARY

The property located in southeast Yukon, covering an area of approximately 125 hectares, is comprised of 6 Yukon two-post Quartz claims (LDH 1-6 claims) held by Roger Hulstein of Whitehorse, Yukon Territory. Access can be easily gained by helicopter based in Watson Lake approximately 75km to the south or with a greater degree of difficulty by foot travel from the Robert Campbell Highway approximately 6km to the east.

The property covers a geochemical stream sediment anomaly first detected by the Geological Survey of Canada with a regional geochemical survey. Cominco Ltd. followed up on this anomaly in 1996 and 1997 with additional stream sediment samples, soil samples and geological mapping. Their results enhanced and defined the probable source area.

The property lies within the Yukon Tanana Terrane and is underlain by Carboniferous and Permian Anvil assemblage rocks. The Anvil assemblage is dominantly an oceanic assemblage of mafic volcanics, ultramafics, chert and pelite, limestone and gabbroic rocks.

The 2005 exploration program was designed to follow-up on the anomalous stream sediment and soil samples collected by Cominco. The 2005 program consisted of prospecting, reconnaissance geological mapping and rock, soil and stream sediment geochemical sampling.

Prospecting did not locate mineralization other than ferricrete in the North Fork Creek. Geochemical sampling located scattered weakly to moderately anomalous soil anomalies and highly anomalous stream sediment anomalies for the suite Au-Ag-As-Cu-Pb-Zn. The 2005 stream sediment silt samples and previous samples collected and analyzed by Cominco returned up to 50 ppb Au, 1.4 ppm Ag, 208 ppm As, 2437 ppm Cu, 110 ppm Pb and 656 ppm Zn indicating a highly anomalous source(s) in a topographically constrained drainage basin.

Stream sediment sampling in 2005 confirmed the highly anomalous nature of the drainage basin located by Cominco, an approximate area of 1.7 square kilometers. Further work is required to determine the source(s) of the stream sediment anomalies. Further work should consist of geological mapping of the hillsides and ridges surrounding the drainage basin. Additional stream sediment silt sampling is required to determine anomaly cutoffs and additional soil sampling to determine the size and extent of anomalous areas.

Additional exploration plans, including trenching, geophysics and drilling, are dependant on the results of the above recommended work.

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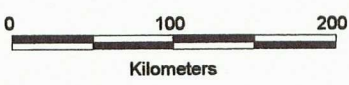
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<p><b>ROGER HULSTEIN</b> Whitehorse, Yukon Territory</p>		
<p><b>SIMPSON PROJECT</b></p>		
<p><b>LOCATION</b></p>		
<p><b>YUKON TERRITORY, CANADA</b></p>		
Date: Feb. 26, 2005	Author: RH	Drawn By: RH
Simpson File	Scale: 1:7,000,000	Figure: 1

### 1.3 History

Prior to 1996 there is no recorded exploration in the project area. Following the discovery of the Kudz Ze Kayah volcaogenic massive sulfide deposit in 1994, approximately 135km to the northwest of the Simpson Project, the entire Yukon Tanana Terrane was explored for VMS deposits. The Simpson Project area was staked as part of a large Cominco claim block in 1995-1996. Cominco subsequently carried out an airborne EM and magnetic survey (not publicly available) in 1996 along with silt sampling, prospecting and mapping (Bohay, 1997). In 1997 Cominco carried out additional mapping and completed two contour soil sample lines over the known anomalous GSC-RGS sample site (Bannister, 1998). In spite of not locating mineralization or explaining the source of the anomalous stream and soil geochemistry, Cominco let the claims lapse.

### 1.4 2004 Work Program

The 2004 work program consisted of the author hiking to the property and staking the six claims. Due to inclement weather, thick bush and a lack of time no prospecting or sampling was carried out.

The 2005 work program carried out from September 3 – 6, 2005, consisted of prospecting, reconnaissance geological mapping, stream sediment, soil and rock sampling. Access in 2005 was by helicopter based out of Watson Lake.



**Plate 1. View looking SW with camp (blue tent) in clearing, chert outcrops at head of creek on right side.**

### 1.5 Claim Status

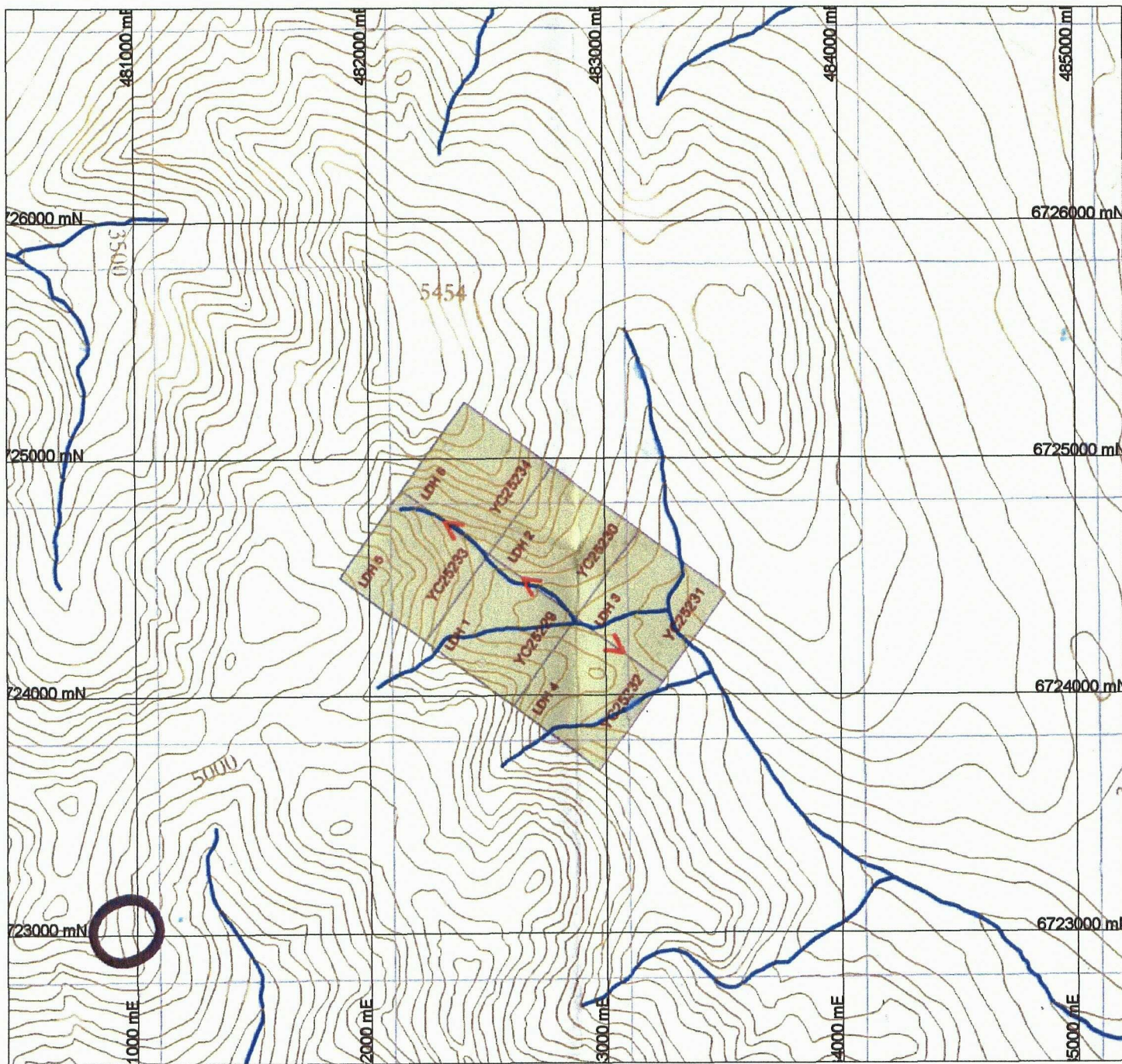
The Simpson project covers an area of approximately 125 hectares and consists of 6 unsurveyed contiguous two-post Yukon Quartz claims (Figure 2). The claims were staked on August 25, 2004, according to the Yukon Quartz Mining

Act and are located in the Watson Lake Mining District. All claim posts are tagged. They are shown on claim sheets 105A/11 and are available for viewing at the Watson Lake Mining Recorders Office. The claims listed below (Table 2) are registered in the name of Roger Hulstein.

**Table 1. List of Claims**

<b>Claim Name</b>	<b>Grant Number</b>	<b>Expiry Date</b>
LDH 1 – LDH 6	YC25229-YC25234	September 7, 2005





 Active Quartz Claim



 Staking Direction

Source: Yukon Energy Mines and Resources,  
Mineral Resources Branch (Sept. 21, 2005)  
UTM DATUM: NAD 27, Zone 9

Mr. R. HULSTEIN Whitehorse, Yukon		
LDH PROPERTY		
CLAIM LOCATION		
YUKON TERRITORY, CANADA		
Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:25000	Figure: 2

## 2.0 REGIONAL GEOLOGY

The property lies within the Yukon Tanana Terrane and is underlain by Carboniferous and Permian Anvil assemblage rocks (Gordy and Makepeace, 2001). The Anvil assemblage is dominantly an oceanic assemblage of mafic volcanics, ultramafics, chert and pelite, limestone and gabbroic rocks. The geology of the area surrounding the LDH claims is shown on Figure 3.

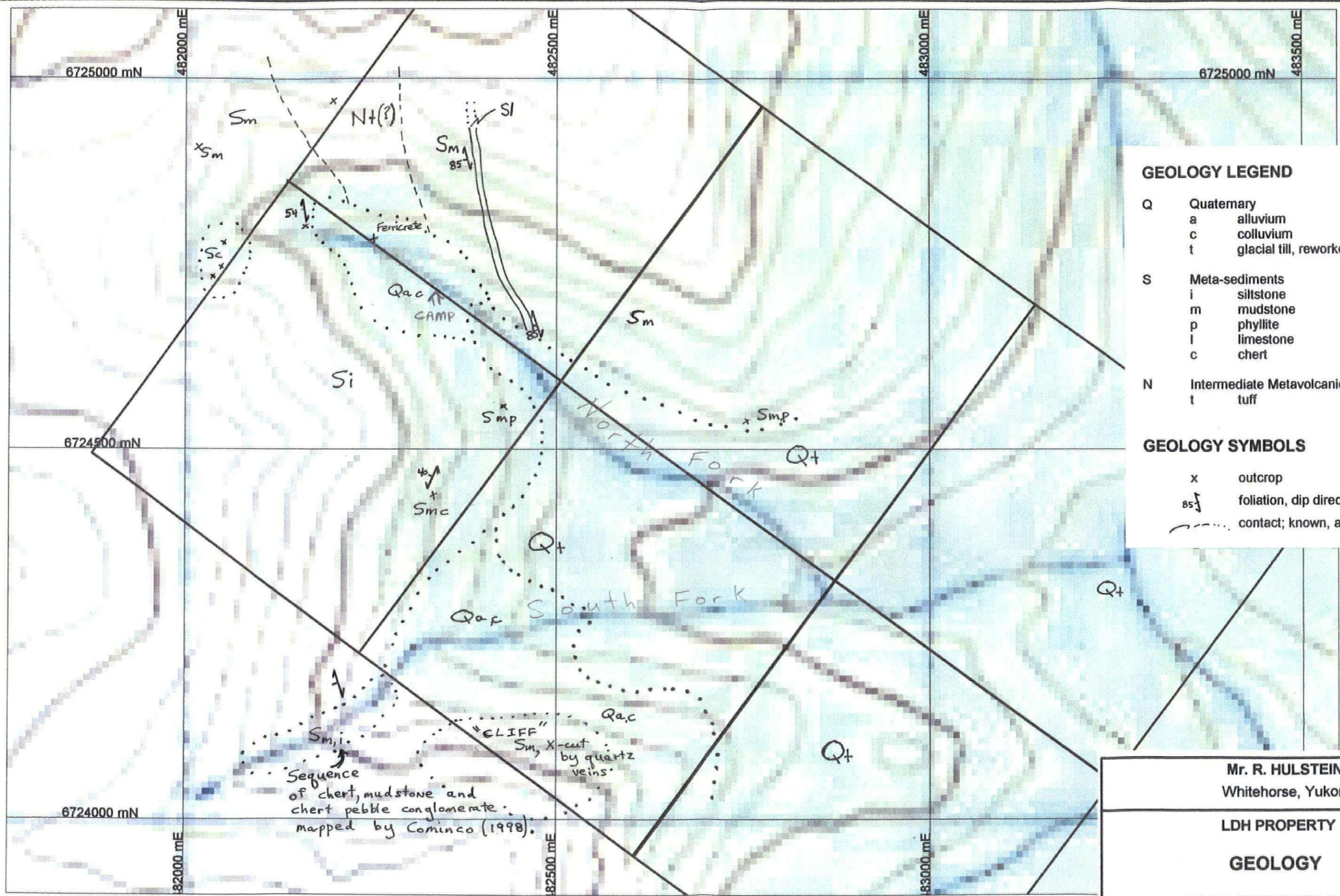
## 3.0 PROPERTY GEOLOGY

Cominco's mapping (Figure 3) and mapping in 2005 (Figure 4) indicates that the property and area is underlain by sedimentary rocks consisting of limestones, chert, mudstone and conglomerates. A major northwest fault follows the drainage located on the easternmost side of the property. Faults likely underlie at least some of the drainages on the west side of the property. The limestones are marbleized and crystalline and outcrop as a traceable unit for several hundred metres on the NW side of the property. They have a sharp contact with the bounding argillite – phyllite units. Locally the limestones are variably replaced by grey quartz (or chert nodules?). The sedimentary rocks are a variable package of (interbedded?) cherts-mudstones-argillites-siltstones to conglomerates. A sequence of these rocks was mapped by Cominco (Bannister, 1998) just to the SW of the property (Figure 3). The most common siliciclastic lithology is a dark to medium grey to green fine grained mudstone-argillite – phyllite. No primary bedding features were noted.



**Plate 2. Chert Outcrop near sample RHR002.**

A metavolcanic unit is found on the NW side of the property, likely bounded by faults in colluvium filled depressions. The protolith is uncertain but may be an



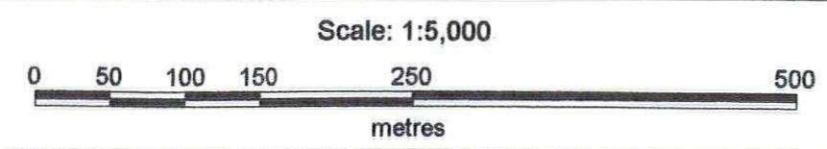
**GEOLOGY LEGEND**

- Q** Quaternary
  - a alluvium
  - c colluvium
  - t glacial till, reworked till
- S** Meta-sediments
  - i siltstone
  - m mudstone
  - p phyllite
  - l limestone
  - c chert
- N** Intermediate Metavolcanics
  - t tuff

**GEOLOGY SYMBOLS**

- x outcrop
- 85° foliation, dip direction
- contact; known, approximate, assumed

<b>Mr. R. HULSTEIN</b> Whitehorse, Yukon		
<b>LDH PROPERTY</b>		
<b>GEOLOGY</b>		
<b>YUKON TERRITORY, CANADA</b>		
Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:5000	Figure: 4



Note: Mapbase is 1:50,000 topographic map  
 100 foot contours  
 UTM zone 9, NAD27

Sequence of chert, mudstone and chert pebble conglomerate mapped by Cominco (1998).

"CLIFF" Sm, x-cut by quartz veins

North Fork

South Fork

CAMP

Ferricrete

Nt(?)

Sm

xSm

Sm 85°

x Smp

x Smp

40° Smc

Q+

Q+

Q+

Q+

6725000 mN

482000 mE

482500 mE

483000 mE

6725000 mN

483500 mE

6724500 mN

6724000 mN

482000 mE

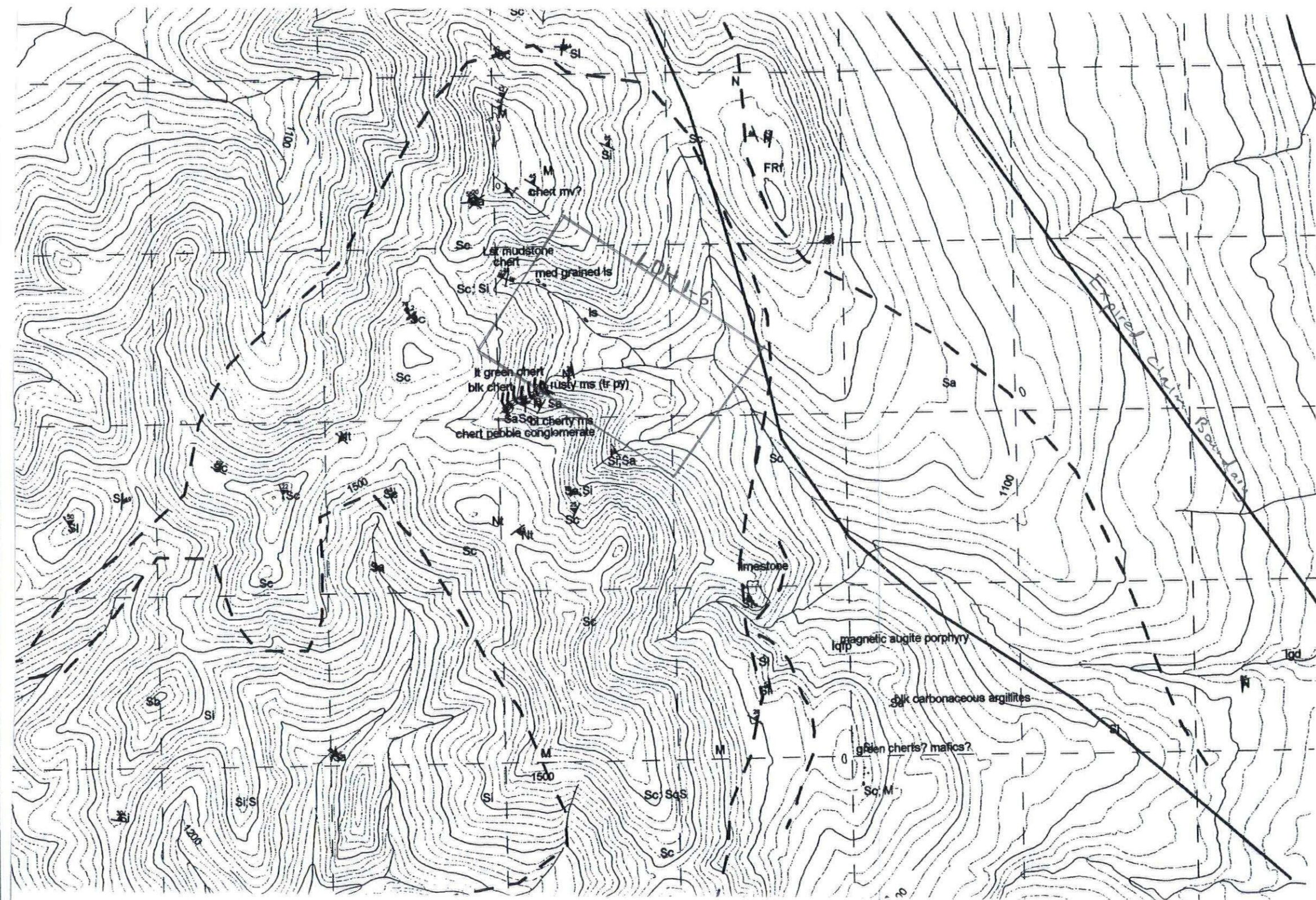
482500 mE

483000 mE

**Geology Legend**



<b>S Meta-sediments</b>				
□	Sa, Si	argillite, siltstone		
□	Sg	grit		
□	Ss, Sq	arenite, quartzite		
□	Sm	marble		
□	Sk	wacke		
□	Sl	limestone		
□	Sc	chert		
□	Sb	breccia		
<b>F Felsic metavolcanics</b>				
□	FRf	rhyolite	Fta	ash
□	Rt	tuff	Ftl	lapilli
□	Ff	flow	Ftb	bomb
□	Fs	sill	Ftv	vitric
□	Fd	dike	Ffc	crystal lithic
□	aRt	argillaceous felsic tuff	Fth	lithic
<b>N Intermediate Metavolcanics</b>				
□	AN	Andesite	Nta	ash
□	Nt	Intermediate Tuff	Ntl	lapilli
□	Nf	flow	Ntb	bomb
□	Na	sill	Ntv	vitric
□	Nd	dike	Ntc	crystal lithic
□			Nth	lithic
<b>M Mafic metavolcanics</b>				
□	BM	Basalt	Mta	ash
□	Mt	Mafic Tuff	Mtl	lapilli
□	Mf	flow	Mtb	bomb
□	Ms	sill	Mtv	vitric
□	Md	dike	Mtc	crystal lithic
□			Mth	lithic
□			x	non-specific
□			m	lamprophyre
<b>I Meta-Intrusives</b>				
□	Iu	"Slide Mountain" ultramafics		
□	Iip, Iqf, Ifp	Porphyries		
□	Igt	granite		
□	Igd	granodiorite		
□	Iqm	quartz monzonite		
□	Igb	gabbro		
□	Id	diorite		
□	Imo	monzonitic augen orthogneiss		
□	Igm	two mica granite/migmatite		
○	Talus/subcrop		S <sub>v</sub>	dip
○	Outcrop		S <sub>v</sub>	foliation, vertical
×	Small outcrop		S <sub>v</sub>	foliation
+	1997 geology station location		L	Lineation with plunge
◆	BARITE outcrop		L	Laminations
◇	BARITE float		C	Cleavage
★	SULPHIDE (VHMS Style) outcrop		N	Normal Fault
●	SULPHIDE (Skarn style) outcrop		T	Thrust fault
*	Tr Sp and/or Cpy and/or Ga		SZ	Shear Zone
▲	Fe formation outcrop		—	Conformable contact
△	Fe formation float/boulders		—	Intrusive contact
			—	Fault



**ROGER HULSTEIN**  
Whitehorse, Yukon Territory

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**SIMPSON PROJECT**

**1997 COMINCO**  
**GEOLOGY**

**YUKON TERRITORY, CANADA**

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Date: Feb. 26, 2005	Author: RH	Drawn By: Cominco, RH
Simpson File	Scale: 1:25,000	Figure: 3

Geology after: Bannister, 1998

andesitic tuff. The grey-green weathering dark green metavolcanic unit is sheared and brecciated and variably chloritic-epidote-hematite altered. Minor quartz veins were noted in float of the above unit. The ferricrete located in North Fork Creek is found directly below this volcanic unit. Float of a volcanic-mudstone breccia was found on the gully marking the west boundary of the metavolcanic unit.



**Plate 3. Mudstone - metavolcanic breccia.**

Mapping in 2005 identified a strong NW to north structural grain, both as the dominant foliation and as defined by the mapped limestone unit. The common foliation is NW with dips moderately to steeply SW. The chert outcrops are closely fractured and local brecciated on small discrete faults. This fracturing and brecciation along with almost 'sheeted' like quartz veins cutting other siliclastics likely indicate a late stage brittle tectonic event.

### **3.1 Alteration and Mineralization**

No alteration or mineralization has been located on the property to date (Yukon Minfile, 2003). A number of mineral deposit models can be invoked to explain the source of the soil and stream sediment geochemical anomalies including volcanogenic massive sulfide, skarn and polymetallic vein models.

A small (2-3m section) of ferricrete noted near the headwaters of North Fork Creek (Station RH5-06) consisted of chert and siltstone fragments cemented by iron oxide. The ferricrete is likely developed in response to acid waters that oxidize the pyrite in the cherts – mudstones and siltstones and carry the iron and precipitate it when they mix with higher pH waters draining the limestones. A thin discontinuous white precipitate was noted on boulders in the creek downstream of the ferricrete for several hundred metres.

No significant mineralization was found in 2005 and only two rock samples were collected, Sample RHR001, collected near the camp site on the North Fork Creek, consisted of parallel thin (1-4cm) milky white quartz veins cutting a foliated argillite – phyllite unit. Trace specks of chalcopyrite were noted in the

quartz veins and the veins have minor malachite coatings. Sample RHR002 consisted of iron oxide stained grey and white (bleached) highly fractured chert, cross cut by numerous discontinuous quartz veinlets. Quartz-brecciated chert iron oxide stained fault zones cut the same chert outcrops.



**Plate 4. Chert - quartz fault breccia, from sample site RHR002.**

At stream sediment site RHS041 on the North Fork, float of chert boulders are cut by quartz veinlets including a vuggy coxcomb quartz veinlet. Also noted were small (<5cm) pieces of Fe-Mn coated iron oxide (ferricrete?). Milky white quartz veins (almost sheeted) cutting argillite – mudstones, very similar to sample RHR001, were found in large quantities at the base of a cliff on the SW side of the property. These 'sheeted' type quartz veins are likely the result of a late stage brittle tectonic event and are thought unlikely to be associated with significant mineralization.



**Plate 5. Quartz veined argillite-mudstone from cliff area on SW side of property.**

The presence of marblized limestone suggests skarns may be present in the area. However given the lack of skarn in outcrop, as float in scree or stream beds, this possibility is downgraded.

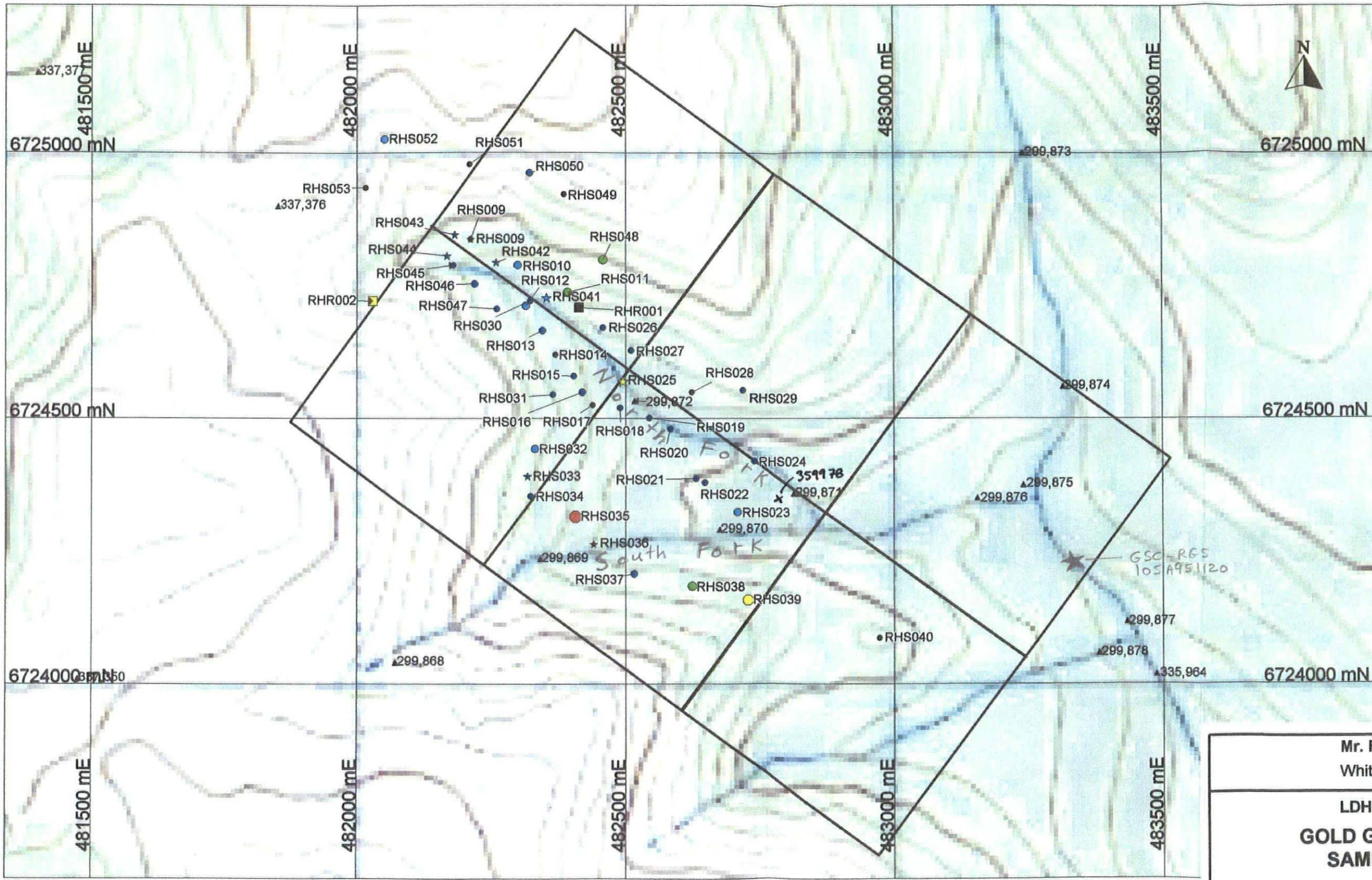
## **4.0 GEOCHEMISTRY**

### **4.1 Previous Geochemistry**

The property covers a geochemical stream sediment anomaly first detected by the Geological Survey of Canada (GSC) during a helicopter supported regional geochemical survey (RGS) (Figure 5). Cominco Ltd. followed up on this single sample (sample number 105A951120) anomaly, plotted downstream of the junction of the north and south creek forks, in 1996 and 1997 with additional stream sediment samples and soil samples. This GSC sample returned a multi-element suite of anomalous elements including 66 ppb Au, 2.1 ppm Ag, 160 ppm As, 1090 ppm Cu, 70 ppm Ni, 110 ppm Pb and 550 ppm Zn. It was this sample that attracted the authors' attention during a review of road accessible gold targets in Yukon. There is some doubt as to the actual location of sample 105A951120 as there is no nearby helicopter landing site at the plotted location. The nearest location suitable for a helicopter landing site is the clearing utilized for the 2005 camp site where coincidentally the Cominco and authors' stream sediment samples also returned anomalous values. The Cominco samples near the plotted sample site of GSC sample 105A951120 returned low values. Flagging tape marking the Cominco's stream sediment sample locations were clearly visible in 2004.

Cominco's 1996 work (Bohay, 1997) consisting primarily of 77 stream sediment samples in the area, confirmed and defined the GSC – RGS anomaly (included in Appendix C). Five of these samples, collected upstream of the GSC – RGS sample, from the North and South Forks, returned up to 1.0 ppm Ag, 208 ppm As, 2437 ppm Cu, 77 ppm Ni, 110 ppm Pb and 656 ppm Zn. Cominco's samples returned gold values of <1 ppm, indicating gold was only analyzed by ICP and not by a specific technique. Copper results indicate both the North and South Forks (samples 299870, 299868 – South Fork; 299872 – North Fork) are anomalous with values up to 659 ppm and 2439 ppm respectively. Cominco also reported anomalous values for Pb, Zn and As from both North and South Forks.

Cominco's 1997 soil sampling program consisted of two contour soil lines of close spaced (50m?) soil samples (Appendix C). This sampling yielded one highly anomalous sample (359978) of 0.2 ppm Ag, 122 ppm As, 384 ppm Cu, 34 ppm Pb and 340 ppm Zn. Gold values were not reported. The sample site was searched for in 2005 without success although other sample flags were found in areas not shown as sampled and labeled with numbers not described by Bannister (1998) or Bohay (1997). Soil type in the area where sample 359978 is plotted consisted of glacial till and reworked till.



**Cominco Stream Sediment**  
Percentiles for: Au (ppm)

▲1 =< 1 [<30%] (37)

**Rock Samples**  
Percentiles for: Au (ppm)

■ 0.009 =< 0.009 [<30%] (1)  
 ■ 0.009 =< 0.059 [30<60%] (1)

**Stream Sediment**  
Percentiles for: Au (ppm)

★ 0.0025 =< 0.009 [<30%] (2)  
 ★ 0.009 =< 0.044 [30<60%] (2)  
 ★ 0.044 =< 0.05 [60<80%] (2)  
 ★ 0.05 =< 0.051 [80<90%] (1)  
 ★ 0.051 =< 0.051 [90<95%] (0)  
 ★ 0.051 =< 0.051 [95<98%] (1)

**Soil Samples**  
Percentiles for: Au (ppm)

● 0.0025 =< 0.005 [<30%] (8)  
 ● 0.005 =< 0.005 [30<60%] (15)  
 ● 0.005 =< 0.007 [60<80%] (5)  
 ● 0.007 =< 0.009 [80<90%] (5)  
 ● 0.009 =< 0.011 [90<95%] (3)  
 ● 0.011 =< 0.017 [95<98%] (1)  
 ● 0.017 =< 0.017 [98<99%] (1)

Note: Mapbase is 1:50,000 topographic map  
 100 ft. contours  
 UTM zone 11, NAD27

Mr. R. HULSTEIN  
 Whitehorse, Yukon

LDH PROPERTY  
**GOLD GEOCHEMISTRY &  
 SAMPLE NUMBERS**  
 YUKON TERRITORY, CANADA

Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:7500	Figure: 5



## 4.2 2005 Geochemistry

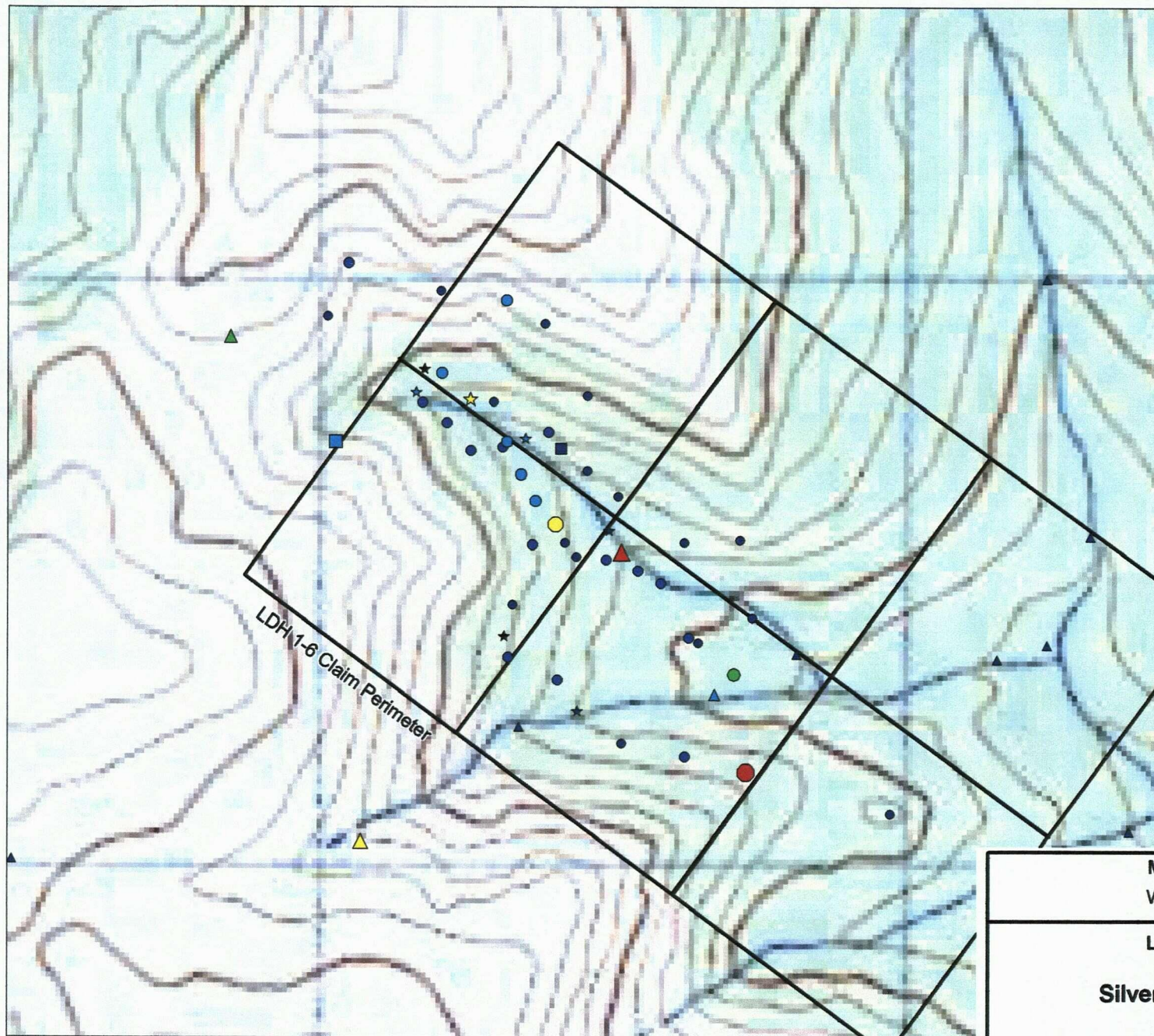
In 2005 a total of 2 rock samples, seven stream sediment and 38 soil samples were collected on or very near the property. Rock samples were grabs of float and outcrop. Stream sediment silt samples were collected from sediment 'traps' in the stream such as plunge pools, in the lee of boulders, bars. Soil samples were collected by a 'Dutch' auger, commonly from depths of 20-40 cm but occasionally up to 0.8 m below surface. Care was taken to avoid the 'A' horizon.

All geochemical samples were submitted to ALS Chemex located in North Vancouver, B.C. The laboratory prepared all samples (rock, soil and stream sediment samples) for analysis and analyzed them for gold using fire assay (FA-AA finish) and atomic absorption techniques on a 30 gram sub-sample for rocks and a 30 gram sub-sample for soil and silts. An additional 34 elements were analyzed by the plasma emission spectroscopy (ICP-AES) technique for all sample types. No samples yielded values over the ICP-AES limits for Ag, Cu, Pb, and Zn. Sample descriptions, locations and results are presented in Appendix A. Certificates of analysis with a more complete description of sample preparation, analytical procedures and complete analytical results are attached as Appendix B. Geochemical results for Au, Ag, As, Cu, Pb and Zn are shown on Figures 5 – 10.

Rock sample RHR001, collected near the 2005 camp site, consisted of parallel thin (1-4cm) milky white quartz veins, with traces of chalcopyrite specks, cutting a foliated argillite – phyllite unit. This sample contained low geochemical values. Sample RHR002 consisted of highly fractured, iron oxide stained, grey and white (bleached) chert, cross cut by numerous discontinuous quartz veinlets. This sample contained weakly anomalous values for Au (0.059 ppm) and As (257 ppm).

The seven stream sediment samples confirmed the Au-Ag-As-Cu-Pb-Zn anomaly in the North Fork Creek (up to 44 ppm Au, 1.4 ppm Ag, 149 ppm As, 1340 ppm Cu, 102 ppm Pb and 504 ppm Zn). The one sample from the South Fork returned lower values for the suite Au-Ag-As-Cu-Pb-Zn although in contrast the Cominco stream sediment samples above and below the 2005 sample returned anomalous values for most of the suite including up to; 116 ppm As, 659 ppm Cu, 38 ppm Pb and 656 ppm Zn.

The 38 soil samples were collected on contour soil lines with a variable sample spacing of 50 to 100m depending on the terrain and target area. Sample media varied from poorly developed 'B' horizon to 'C' horizon although 10 samples are thought to be of glacial till or glaciofluvial material – alluvium (labelled as poor quality in Appendix A). Most samples were collected from the north and south creek banks of the North Fork in an effort to locate the source(s) of the stream sediment anomaly. Sample medium consisted of colluvium on the creek banks. Figure 6



**Stream Sediment**  
Percentiles for: Ag (ppm)

- ★ 0.1 =< 0.3 [ $<30\%$ ] (2)
- ★ 0.3 =< 1.2 [ $30<60\%$ ] (2)
- ★ 1.2 =< 1.2 [ $60<80\%$ ] (0)
- ★ 1.2 =< 1.4 [ $80<90\%$ ] (2)
- ★ 1.4 =< 1.4 [ $90<95\%$ ] (0)
- ★ 1.4 =< 1.4 [ $95<98\%$ ] (1)

**Soil Samples**

Percentiles for: Ag (ppm)

- 0.1 =< 0.1 [ $<30\%$ ] (0)
- 0.1 =< 0.2 [ $30<60\%$ ] (16)
- 0.2 =< 0.3 [ $60<80\%$ ] (14)
- 0.3 =< 0.3 [ $80<90\%$ ] (5)
- 0.3 =< 0.5 [ $90<95\%$ ] (1)
- 0.5 =< 0.6 [ $95<98\%$ ] (1)
- 0.6 =< 0.6 [ $98<99\%$ ] (1)

**Cominco Stream Sediment**

Percentiles for: Ag (ppm)

- ▲ 0.2 =< 0.2 [ $<30\%$ ] (0)
- ▲ 0.2 =< 0.2 [ $30<60\%$ ] (24)
- ▲ 0.2 =< 0.4 [ $60<80\%$ ] (0)
- ▲ 0.4 =< 0.6 [ $80<90\%$ ] (8)
- ▲ 0.6 =< 0.9 [ $90<95\%$ ] (3)
- ▲ 0.9 =< 1 [ $95<98\%$ ] (1)
- ▲ 1 =< 1 [ $98<99\%$ ] (1)

**Rock Samples**

Percentiles for: Ag (ppm)

- 0.3 =< 0.6 [ $30<60\%$ ] (1)
- 0.6 =< 0.6 [ $80<90\%$ ] (1)

LDH 1-6 Claim Perimeter

Note: Mapbase is 1:50,000 topographic map  
100 ft. contours  
UTM zone 11, NAD27

**Mr. R. HULSTEIN**  
Whitehorse, Yukon

**LDH PROPERTY**

**Silver Geochemistry**

**YUKON TERRITORY, CANADA**

Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:10000	Figure: 6



**Rock Samples**  
Percentiles for: As (ppm)

- 3 =< 3 [<30%] (1)
- 3 =< 257 [30-60%] (1)

**Stream Sediment**  
Percentiles for: As (ppm)

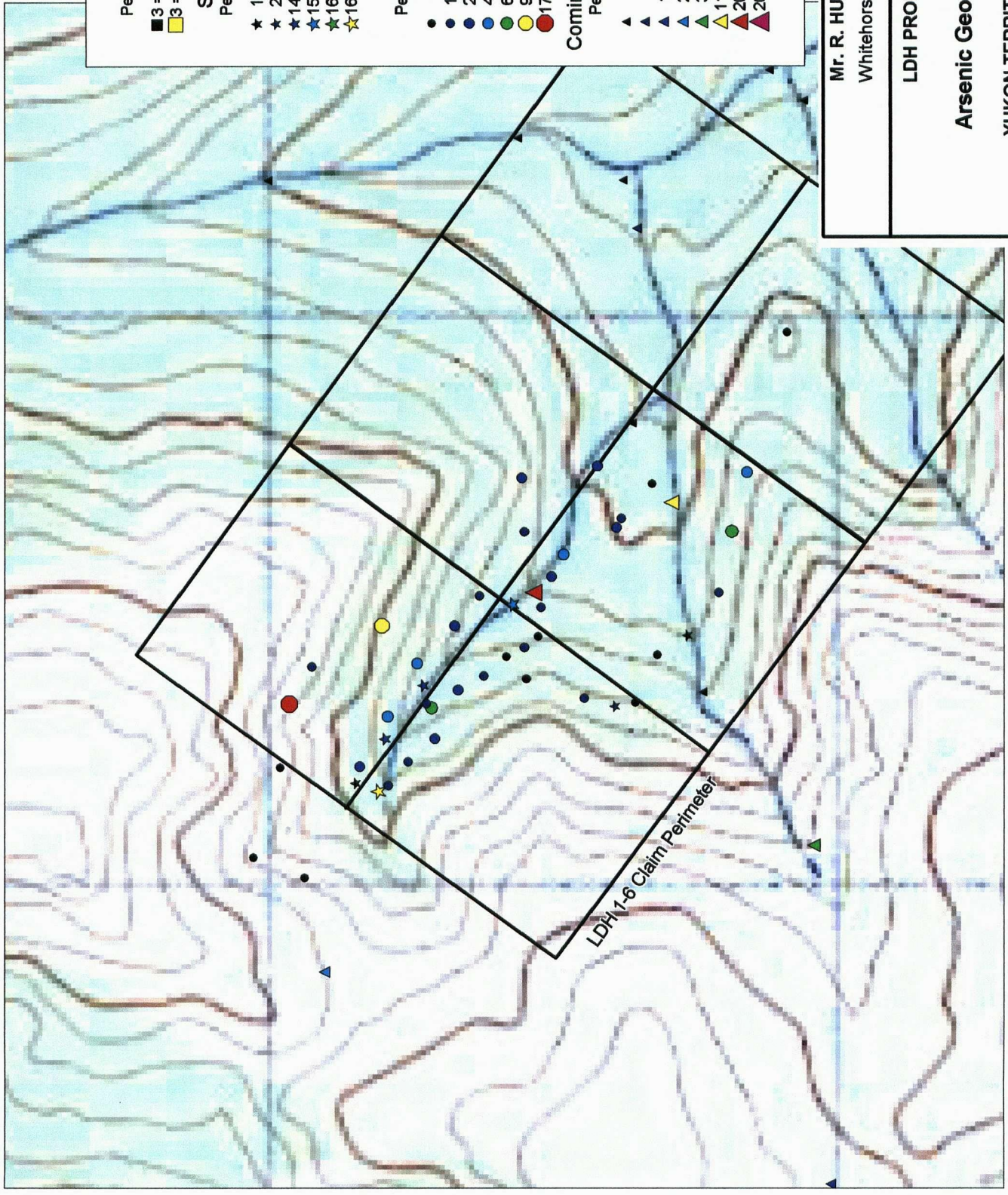
- ★ 12 =< 23 [<30%] (2)
- ★ 23 =< 148 [30-60%] (1)
- ★ 148 =< 151 [60-80%] (2)
- ★ 151 =< 160 [80-90%] (1)
- ★ 160 =< 160 [90-95%] (0)
- ★ 160 =< 160 [95-99%] (1)

**Soil Samples**  
Percentiles for: As (ppm)

- 7 =< 15 [<30%] (10)
- 15 =< 24 [30-60%] (12)
- 24 =< 41 [60-80%] (8)
- 41 =< 67 [80-90%] (4)
- 67 =< 94 [90-95%] (2)
- 94 =< 174 [95-99%] (1)
- 174 =< 174 [99-99%] (1)

**Cominco Stream Sediment**  
Percentiles for: As (ppm)

- ▲ 1 =< 9 [<30%] (11)
- ▲ 9 =< 18 [30-60%] (9)
- ▲ 18 =< 29 [60-80%] (9)
- ▲ 29 =< 35 [80-90%] (4)
- ▲ 35 =< 116 [90-95%] (2)
- ▲ 116 =< 208 [95-98%] (1)
- ▲ 208 =< 208 [98-99%] (1)
- ▲ 208 =< 208 [99% +] (0)



**Mr. R. HULSTEIN**  
Whitehorse, Yukon

**LDH PROPERTY**

**Arsenic Geochemistry**

**YUKON TERRITORY, CANADA**

Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:10000	Figure: 7

Note: Mapbase is 1:50,000 topographic map  
100 ft. contours  
UTM zone 11, NAD27



**Rock Samples**

Percentils for: Cu (ppm)

- 17 =< 17 [<30%] (1)
- 17 =< 75 [30-60%] (1)

**Stream Sediment**

Percentils for: Cu (ppm)

- ★ 45 =< 53 [<30%] (2)
- ★ 53 =< 765 [30-60%] (1)
- ★ 765 =< 1285 [60-80%] (2)
- ★ 1285 =< 1340 [80-90%] (1)
- ★ 1340 =< 1340 [90-95%] (0)
- ★ 1340 =< 1340 [95-98%] (1)

**Soil Samples**

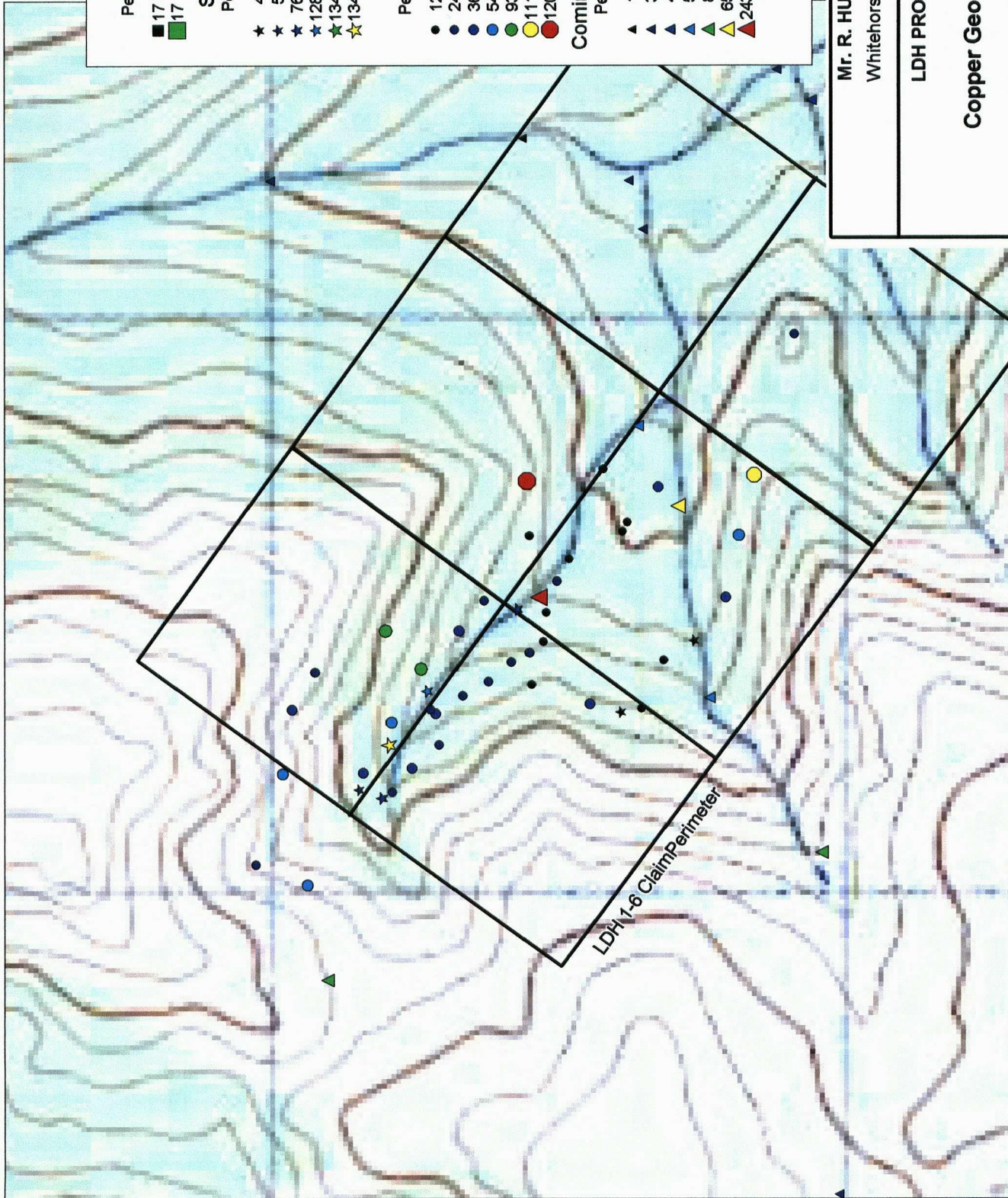
Percentils for: Cu (ppm)

- 12 =< 24 [<30%] (10)
- 24 =< 36 [30-60%] (12)
- 36 =< 54 [60-80%] (8)
- 54 =< 93 [80-90%] (4)
- 93 =< 111 [90-95%] (2)
- 111 =< 120 [95-98%] (1)
- 120 =< 120 [98-99%] (1)

**Cominco Stream Sediment**

Percentils for: Cu (ppm)

- ▲ 19 =< 31 [<30%] (10)
- ▲ 31 =< 43 [30-60%] (11)
- ▲ 43 =< 53 [60-80%] (9)
- ▲ 53 =< 88 [80-90%] (4)
- ▲ 88 =< 659 [90-95%] (2)
- ▲ 659 =< 2437 [95-98%] (1)
- ▲ 2437 =< 2437 [98-99%] (1)



**Mr. R. HULSTEIN**

Whitehorse, Yukon

**LDH PROPERTY**

**Copper Geochemistry**

**YUKON TERRITORY, CANADA**

Note: Mapbase is 1:50,000 topographic map  
 100 ft. contours  
 UTM zone 11, NAD27

Date: Dec. 30, 2005 Author: RH NTS: 105A/11

File: simpson Scale: 1:10000 Figure: 8



**Stream Sediment**

- Percentiles for: Pb (ppm)
- ★ 11 =< 16 [<30%] (2)
  - ★ 16 =< 70 [30<60%] (1)
  - ★ 70 =< 106 [60<80%] (2)
  - ★ 106 =< 113 [80<90%] (1)
  - ★ 113 =< 113 [90<95%] (0)
  - ★ 113 =< 113 [95<98%] (1)

**Soil Samples**

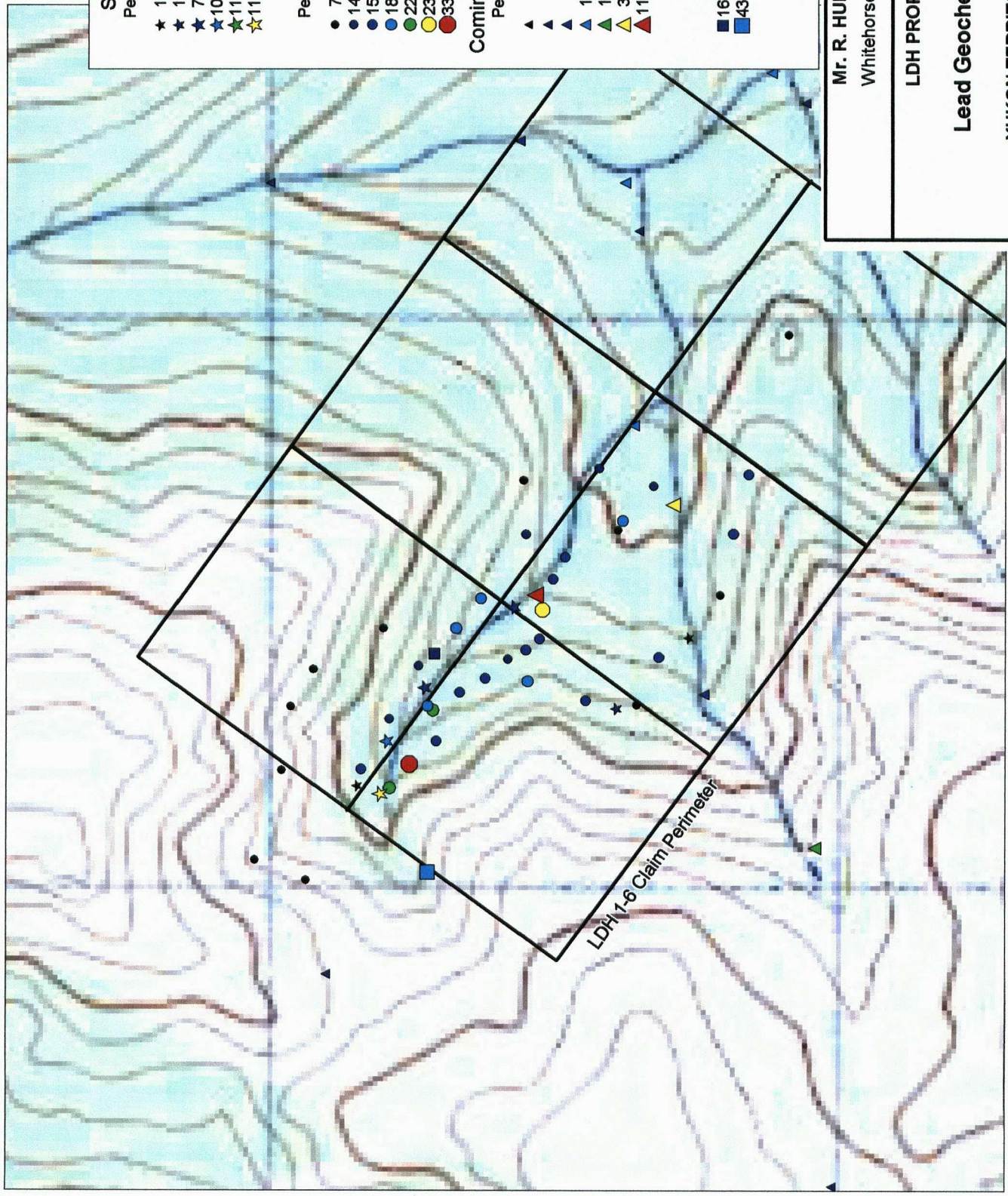
- Percentiles for: Pb (ppm)
- 7 =< 14 [<30%] (11)
  - 14 =< 15 [30<60%] (6)
  - 15 =< 18 [60<80%] (12)
  - 18 =< 22 [80<90%] (5)
  - 22 =< 23 [90<95%] (2)
  - 23 =< 33 [95<98%] (1)
  - 33 =< 33 [98<99%] (1)

**Cominco Stream Sediment**

- Percentiles for: Pb (ppm)
- ▲ 2 =< 6 [<30%] (4)
  - ▲ 6 =< 9 [30<60%] (18)
  - ▲ 9 =< 12 [60<80%] (7)
  - ▲ 12 =< 18 [80<90%] (4)
  - ▲ 18 =< 38 [90<95%] (2)
  - ▲ 38 =< 110 [95<98%] (1)
  - ▲ 110 =< 110 [98<99%] (1)

**Rock Samples**

- Percentiles for: Pb
- 16 =< 43 [30<60%] (1)
  - 43 =< 43 [80<90%] (1)



**Mr. R. HULSTEIN**  
Whitehorse, Yukon

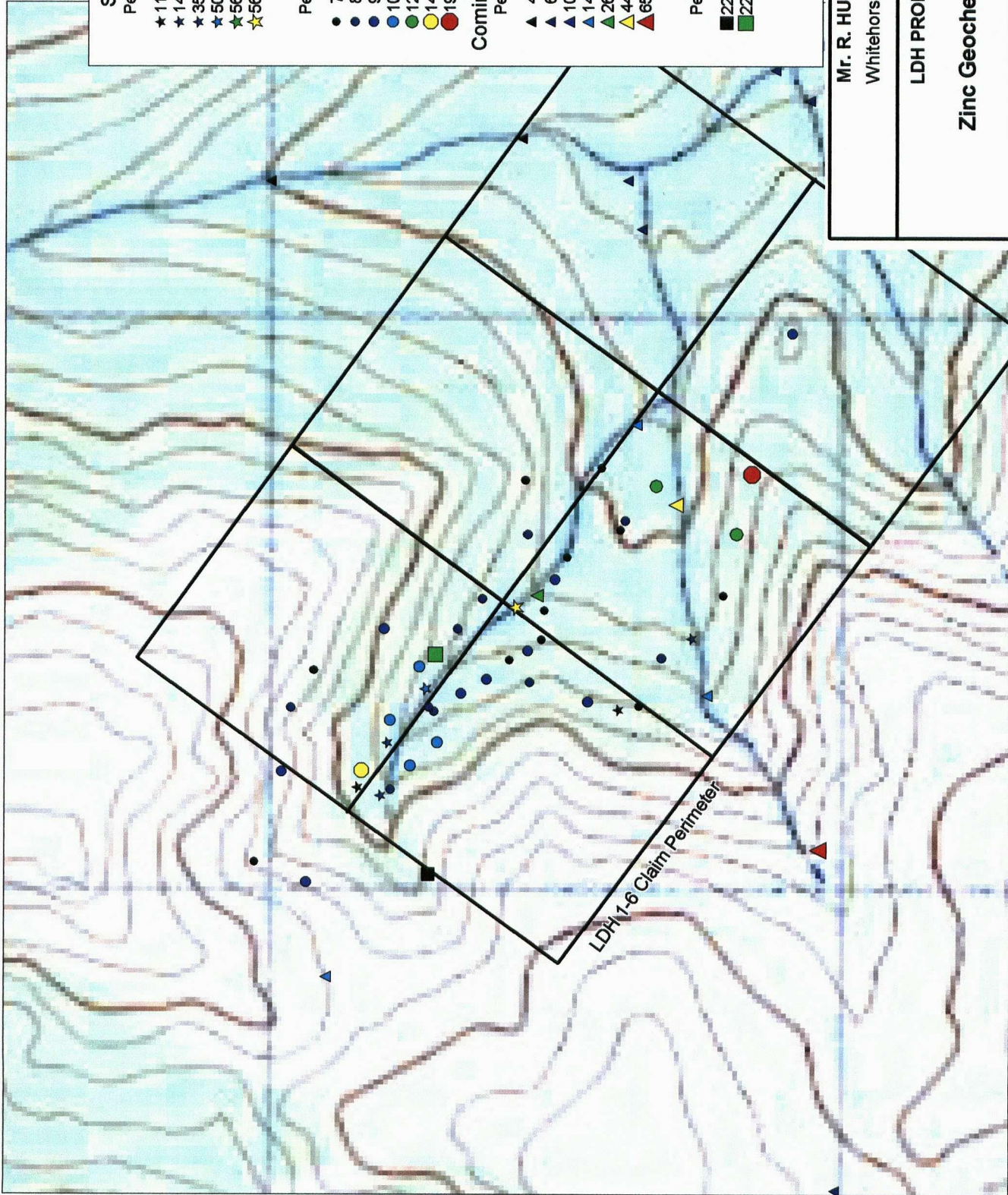
**LDH PROPERTY**

**Lead Geochemistry**

**YUKON TERRITORY, CANADA**

Note: Mapbase is 1:50,000 topographic map  
100 ft. contours  
UTM zone 11, NAD27

Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:10000	Figure: 9



**Stream Sediment**

- Percentiles for: Zn (ppm)
- ★ 118 =< 146 [<30%] (2)
  - ★ 146 =< 351 [30-60%] (1)
  - ★ 351 =< 504 [60-80%] (2)
  - ★ 504 =< 563 [80-90%] (1)
  - ★ 563 =< 563 [90-95%] (0)
  - ★ 563 =< 563 [95-98%] (1)
  - ★ 563 =< 563 [98-99%] (1)

**Soil Samples**

- Percentiles for: Zn (ppm)
- 72 =< 83 [<30%] (11)
  - 83 =< 97 [30-60%] (10)
  - 97 =< 105 [60-80%] (9)
  - 105 =< 122 [80-90%] (4)
  - 122 =< 146 [90-95%] (2)
  - 146 =< 196 [95-98%] (1)
  - 196 =< 196 [98-99%] (1)

**Cominco Stream Sediment**

- Percentiles for: Zn (ppm)
- ▲ 46 =< 65 [<30%] (11)
  - ▲ 65 =< 100 [30-60%] (11)
  - ▲ 100 =< 148 [60-80%] (7)
  - ▲ 148 =< 266 [80-90%] (4)
  - ▲ 266 =< 448 [90-95%] (2)
  - ▲ 448 =< 656 [95-98%] (1)
  - ▲ 656 =< 656 [98-99%] (1)

**Rock Samples**

- Percentiles for: Zn (ppm)
- 22 =< 22 [<30%] (1)
  - 22 =< 87 [30-60%] (1)

**Mr. R. HULSTEIN**

Whitehorse, Yukon

**LDH PROPERTY**

**Zinc Geochemistry**

**YUKON TERRITORY, CANADA**

Note: Mapbase is 1:50,000 topographic map  
100 ft. contours  
UTM zone 11, NAD27

Date: Dec. 30, 2005	Author: RH	NTS: 105A/11
File: simpson	Scale: 1:10,000	Figure: 10

and treed scree slopes to glacial till and reworked till at lower elevations near the North and South Fork creek junction.

Analytical results from the 2005 soil samples returned scattered anomalous values for Au-Ag-As-Cu-Pb-Zn. The highest gold value at 17ppb from sample RHS035, collected near South Fork Creek was not coincident with other anomalous elements. Two samples, RHS039 and RHS038, collected south of South Fork Creek returned up to 11 ppb Au, 0.6 ppm Ag, 67 ppm As, 111 ppm Cu, 1205 ppm Mn, 87 ppm Ni and 196 ppm Zn (the highest Ag, Zn values and second highest Cu value in 2005 soil samples). The highest arsenic values in soil (174 ppm As from sample RHS050) are found on the north side of the headwaters of North Fork. The highest copper value, 120 ppm from sample RHS029, is found in isolation (no coincident anomalies) at the end of a soil line. The highest lead value, 33 ppm from sample RHS046, and second highest Zn value, 146 ppm from sample RHS009, were collected from the headwaters of North Fork Creek.

Overall soil sample values are much subdued compared to the high values obtained from both 2005 stream sediment silt samples and historical Cominco stream sediment silt samples. Anomalous values from the 2005 soil samples are concentrated in the area of the headwaters of the North Fork and south of the South Fork.

Samples collected in the area of the highly anomalous Cominco soil sample (359978) returned low to moderate values for Au-Ag-As-Cu-Pb-Zn from an area underlain by what appear to be glacial-fluvial sediments. There was no evidence (flagging tape) for any of the plotted Cominco soil samples and the anomalous sample site was not located.

## **5.0 GEOPHYSICS**

The Geological Survey of Canada has flown a regional (1/2 mile line spacing) aeromagnetic survey over the area. Results show a northwest trend. The first vertical derivative of the total magnetic field shows the property to be over a magnetic high with a discrete magnetic high core. Variations in the magnetic intensity are likely due to lithology as the aeromagnetic survey results are too coarse to help with exploration targeting on the property.



## 6.0 CONCLUSIONS AND RECOMENDATIONS

The 2005 exploration program was designed to follow-up on the anomalous stream sediment and soil samples collected by Cominco in the 1990's. The 2005 program consisted of prospecting, reconnaissance geological mapping and rock, soil and stream sediment geochemical sampling. Prospecting and mapping determined that the property is underlain largely by Paleozoic metasedimentary rocks and lesser intermediate volcanic rocks striking approximately north to northwest dipping moderately to steeply west. At lower elevations, in the vicinity of the North and South Fork Creek junctions, bedrock is covered by an unknown thickness of glacial till and alluvium.

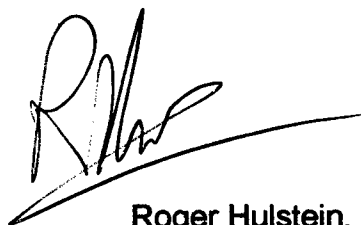
Prospecting did not locate mineralization other than ferricrete in the North Fork Creek. Geochemical sampling located scattered weakly to moderately anomalous soil and highly anomalous stream sediment anomalies for the suite Au-Ag-As-Cu-Pb-Zn. The 2005 stream sediment silt samples and previous samples collected and analyzed by Cominco returned up to 50 ppb Au, 1.4 ppm Ag, 208 ppm As, 2437 ppm Cu, 110 ppm Pb and 656 ppm Zn from the North or South Fork indicating a highly anomalous source in the drainage basin. The contour soil samples did not locate a source for the stream sediment anomalies although the scattered anomalies for the suite Au-Ag-As-Cu-Pb-Zn indicate metal enrichment in the drainage basin.

Follow-up sampling to locate and evaluate the Cominco soil anomaly in the vicinity of the North and South Fork creek junction failed to locate the soil sample site. Sampling in 2005 in the area returned low values for Au-Ag-As-Cu-Pb-Zn from glacial till, probable glaciofluvial material and alluvium.

Stream sediment sampling in 2005 confirmed the highly anomalous nature of the drainage basin located by Cominco, an approximate area of 1.7 square kilometers. Further work is required to determine the source(s) of the stream sediment anomalies. Further work should consist of geological mapping of the hillsides and ridges surrounding the drainage basin. Additional stream sediment silt sampling is required to determine anomaly cutoffs and additional soil sampling to determine the size and extent of anomalous areas.

Additional exploration plans, including trenching, geophysics and drilling, are dependant on the results of the above recommended work.

Respectfully submitted,



January 30, 2006

Roger Hulstein, B.Sc., P. Geo.

## 7.0 STATEMENT OF QUALIFICATIONS

I, Roger W. Hulstein, of:

106 Wilson Drive.  
Whitehorse, Yukon Territory  
Y1A 5R2,

do hereby certify that:

1. I am a mineral exploration geologist with over 20 years of experience working in the Yukon.
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.
3. I am a fellow of the Geological Association of Canada (F3572).
4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
5. I am the author of this report on the Simpson Project located in the Watson Lake District, Yukon. The report is based on personal examination of the ground on August 25, 2004, August 3-6, 2005 and on referenced sources.



Roger Hulstein, B.Sc., FGAC, P.Geo.

January 30, 2006

## **8.0 REFERENCES**

**Bannister, V.L., 1998: 1997 Assessment Report, ML & LJL Properties; Assessment Report for Cominco Ltd., Yukon Geological Survey, Assessment Report 093814.**

**Bohay, T.J., 1997: 1996 Assessment Report on the ML Property; Assessment Report for Cominco Ltd., Yukon Geological Survey, Assessment Report 093672.**

**Gordy, S.P. and Makepeace, A.J. (compilers), 2001: Bedrock Geology, Yukon Territory: Geological Survey of Canada, Open File 3754 and Yukon Geology Survey, 2001-1, scale 1:1,000,000.**

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

**Appendix A**

**2005 Samples Descriptions, Locations  
And  
Analytical Results**

Sample Descriptions and Results

Sample Descriptions and Results														
LDH 1-6 Claims, August 3-6, 2006, Collected by: R. Hulstein														
Rock Samples														
Number	Sample_Type	Sub_type	Notes	Date	Time	UTM	Zone	Easting	Northing	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm
RHR001	Rock	Float	quartz vein	5-Aug-05	4:50:27PM	NAD27	8V	482395	6724729	0.009	0.3	1.32	3	-10
RHR002	Rock	Grab	Cherty outcrop	6-Aug-05	12:31:04PM	NAD27	8V	482011	6724741	0.059	0.6	0.08	257	-10
Soil and Stream Sediment Samples														
Number	Sample_Type	Quality	Notes	Date	Time	UTM	Zone	Easting	Northing	Au	Ag	Al	As	B
RHS009	Soil	good	red-brn, below volc outcrop	3-Aug-05	5:58:05PM	NAD27	8V	482211	6724838	-0.005	0.3	1.92	24	-10
RHS010	Soil	good	below volc outcrop	3-Aug-05	6:18:00PM	NAD27	8V	482299	6724789	0.007	-0.2	1.92	48	-10
RHS011	Soil	good	volc-siltst pebbles	3-Aug-05	6:34:08PM	NAD27	8V	482392	6724737	0.009	0.2	1.82	59	-10
RHS012	Soil	moderate	loess?, cpc and mudst pebbles	4-Aug-05	8:51:25AM	NAD27	8V	482314	6724712	0.008	0.2	1.68	69	-10
RHS013	Soil	good	light green sl, mudst, cht pebbles	4-Aug-05	9:05:55PM	NAD27	8V	482345	6724665	0.006	0.3	1.52	32	-10
RHS014	Soil	good	med-brn, shi-mudst frags	4-Aug-05	9:06:53PM	NAD27	8V	482370	6724820	-0.005	0.3	1.84	15	-10
RHS015	Soil	good	grey shaley mudst	4-Aug-05	9:38:06AM	NAD27	8V	482404	6724580	0.005	0.5	1.42	12	-10
RHS016	Soil	good	med-brn, grey shi-mudst	4-Aug-05	9:50:44AM	NAD27	8V	482420	6724549	0.006	-0.2	1.77	18	-10
RHS017	Soil	good	med-brn, grey shi-mudst	4-Aug-05	10:01:17AM	NAD27	8V	482439	6724525	-0.005	-0.2	1.32	14	-10
RHS018	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	10:25:01AM	NAD27	8V	482490	6724520	0.005	0.2	1.94	18	-10
RHS019	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	10:47:12AM	NAD27	8V	482544	6724501	0.005	0.2	1.96	26	-10
RHS020	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	11:00:11AM	NAD27	8V	482583	6724480	0.005	0.2	1.68	50	-10
RHS021	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	11:27:24AM	NAD27	8V	482631	6724387	0.005	0.2	1.58	24	-10
RHS022	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	11:41:22AM	NAD27	8V	482647	6724379	0.005	-0.2	1.48	16	-10
RHS023	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	11:51:20AM	NAD27	8V	482708	6724324	0.008	0.4	1.78	9	-10
RHS024	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	1:30:21PM	NAD27	8V	482739	6724420	0.005	-0.2	1.51	25	-10
RHS025	Silt	good	next to claim post #1 LDH 5&6, float of rnd'd granite (glacial?), grey and green mudst (and fine grained volc?), qtz-chert-mudst congl, bull qtz +/- vuggy and Fe ox.	4-Aug-05	2:12:57PM	NAD27	8V	482495	6724570	0.051	0.9	2.65	151	-10
RHS026	Soil	moderate	powder dry, sandy pebble material and angular shi-1st frags.	4-Aug-05	4:23:50PM	NAD27	8V	482458	6724671	0.005	-0.2	1.5	32	-10
RHS027	Soil	poor	lim-brn, sandy, rnd'd pebbles	4-Aug-05	5:00:04PM	NAD27	8V	482510	6724628	0.005	-0.2	1.58	23	-10
RHS028	Soil	good	only minor rnd'd pebbles, real soil, mod cly	4-Aug-05	5:23:50PM	NAD27	8V	482623	6724549	-0.005	-0.2	1.38	15	-10
RHS029	Soil	moderate	minor loess?, real soil, float of light green-grey foliated mudst.	4-Aug-05	5:38:19PM	NAD27	8V	482718	6724553	0.005	-0.2	2.72	36	-10
RHS030	Soil	moderate	float of grey fol mudst	5-Aug-05	8:20:18PM	NAD27	8V	482322	6724721	0.005	0.3	1.58	17	-10
RHS031	Soil	good	brown soil, some rnd'd pebbles, ang grey mudst	5-Aug-05	9:48:59AM	NAD27	8V	482385	6724545	0.005	0.2	1.84	14	-10
RHS032	Soil	good	brn soil, mudst frags, no rnd'd pebbles	5-Aug-05	10:10:10AM	NAD27	8V	482331	6724443	0.007	-0.2	1.78	16	-10
RHS033	Silt	good	float of mudst-phylite, cht, minor vein qtz, minor rnd'd granite boulders	5-Aug-05	10:25:39AM	NAD27	8V	482317	6724391	0.01	-0.2	1.78	23	-10
RHS034	Soil	good	brn-limonite soil, sandy, angular frags	5-Aug-05	10:47:01AM	NAD27	8V	482323	6724354	0.005	0.2	1.62	14	-10
RHS035	Soil	good	brown, some rnd'd pebbles, ang grey mudst	5-Aug-05	11:09:21AM	NAD27	8V	482407	6724315	0.017	0.2	1.46	12	-10
RHS036	Silt	good	mostly mudst-phylite float	5-Aug-05	11:28:18AM	NAD27	8V	482441	6724263	0.008	0.3	1.68	12	-10
RHS037	Soil	poor	rnd'd pebbles, orange brown soil	5-Aug-05	12:20:30PM	NAD27	8V	482516	6724207	0.006	-0.2	1.52	22	-10
RHS038	Soil	good	choc brn, angular shi-mudst frags	5-Aug-05	12:38:27PM	NAD27	8V	482624	6724184	0.009	0.2	2.51	67	-10
RHS039	Soil	good	light-med brn, cly rich, grey shi-mudst frags	5-Aug-05	12:58:19PM	NAD27	8V	482728	6724158	0.011	0.8	3.42	41	-10

Sample Descriptions and Results

	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	ME-ICP41	ME-ICP41	ME-ICP41
	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	
Number	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	
RHR001	140	-0.5	-2	2.24	-0.5	5	9	75	1.98	-10	-1	0.23	10	0.5	558	-1	0.03	
RHR002	40	-0.5	-2	0.01	-0.5	2	11	17	2.76	-10	-1	0.04	-10	0.01	40	3	-0.01	
Number	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	
RHS009	270	0.8	-2	0.18	1.1	21	27	53	4.63	-10	-1	0.08	10	0.63	2270	1	0.01	
RHS010	260	0.8	-2	0.29	0.5	15	40	54	4.3	10	1	0.09	10	0.91	768	1	0.01	
RHS011	200	0.8	-2	0.33	0.9	17	22	93	3.98	-10	-1	0.08	10	0.77	900	1	0.01	
RHS012	280	0.9	-2	0.34	-0.5	14	28	38	3.63	-10	1	0.09	30	0.7	757	2	0.01	
RHS013	190	-0.5	-2	0.24	-0.5	11	20	28	2.88	-10	-1	0.06	20	0.97	605	1	0.01	
RHS014	210	-0.5	-2	0.14	-0.5	8	18	27	3.96	-10	-1	0.08	10	1.14	473	3	0.01	
RHS015	200	-0.5	-2	0.14	-0.5	9	18	27	2.95	-10	-1	0.07	20	0.75	512	4	0.01	
RHS016	260	0.5	-2	0.12	-0.5	12	23	28	3.45	-10	-1	0.07	20	0.83	541	2	0.01	
RHS017	150	-0.5	-2	0.07	-0.5	6	21	12	2.85	10	-1	0.06	20	0.36	289	1	0.01	
RHS018	90	-0.5	-2	0.1	0.5	8	27	18	4.36	10	1	0.06	10	0.49	430	1	0.01	
RHS019	120	-0.5	-2	0.11	0.5	8	31	24	3.72	10	1	0.07	10	0.67	348	1	0.01	
RHS020	120	-0.5	-2	0.17	0.5	9	31	23	3.96	10	-1	0.07	10	0.71	431	1	0.01	
RHS021	190	0.8	-2	0.12	-0.5	10	27	20	3.27	-10	-1	0.06	20	0.54	321	1	0.01	
RHS022	280	-0.5	-2	0.17	-0.5	11	23	22	2.84	-10	1	0.07	20	0.57	559	1	0.01	
RHS023	370	-0.5	-2	0.64	1.3	12	15	43	2.69	-10	-1	0.06	20	1.52	1160	1	0.01	
RHS024	110	-0.5	-2	0.11	-0.5	9	22	23	3.04	10	-1	0.06	10	0.52	494	1	0.01	
RHS025	320	4.4	-2	0.41	4.1	74	19	989	3.47	-10	2	0.12	30	0.42	3020	3	0.01	
RHS026	170	-0.5	-2	0.23	-0.5	9	23	36	3.08	-10	-1	0.09	10	0.67	495	1	0.01	
RHS027	160	0.5	-2	0.22	-0.5	12	22	28	3.02	-10	-1	0.09	20	0.6	498	1	0.01	
RHS028	110	-0.5	-2	0.19	-0.5	6	24	16	3.04	-10	-1	0.06	10	0.5	244	-1	0.01	
RHS029	310	0.5	-2	0.32	-0.5	18	18	120	4.67	10	-1	0.13	20	1.04	960	-1	0.01	
RHS030	190	-0.5	-2	0.09	-0.5	8	18	30	2.83	-10	-1	0.06	10	0.74	545	2	0.01	
RHS031	150	-0.5	-2	0.08	-0.5	9	18	23	3.19	-10	-1	0.06	20	0.55	422	3	0.01	
RHS032	420	-0.5	-2	0.21	-0.5	14	27	47	3.5	-10	-1	0.08	20	0.88	848	1	0.01	
RHS033	390	0.7	-2	0.45	-0.5	15	28	50	3.51	-10	-1	0.08	30	0.88	665	1	0.01	
RHS034	170	-0.5	-2	0.12	-0.5	6	30	20	3.4	10	1	0.07	10	0.51	350	1	0.01	
RHS035	290	0.5	-2	0.17	-0.5	13	26	20	3.31	10	-1	0.07	20	0.82	888	-1	0.01	
RHS036	460	-0.5	-2	0.42	1.3	9	16	45	2.62	-10	-1	0.05	20	1.36	690	-1	0.01	
RHS037	150	0.5	-2	0.18	-0.5	8	20	44	3.23	10	-1	0.05	10	0.51	506	1	0.01	
RHS038	170	0.7	-2	0.33	-0.5	23	60	89	4.12	10	-1	0.12	10	1.32	1205	1	0.01	
RHS039	170	1.1	-2	0.35	-0.5	27	74	111	5.1	10	-1	0.17	20	1.89	1045	1	0.01	

Sample Descriptions and Results

	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	
	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	Certificate No.	
Number	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm		
RHR001	4	830	16	0.03	-2	3	42	0.22	-10	-10	33	-10	87	VA05068049 - Finalized	
RHR002	5	190	43	0.04	9	-1	3	-0.01	-10	-10	3	-10	22	VA05068049 - Finalized	
Number	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	Certificate No.	
RHS009	23	1810	18	0.07	-2	1	15	0.03	-10	-10	75	-10	146	VA05068048	
RHS010	35	930	14	0.05	2	3	18	0.08	-10	-10	70	-10	105	VA05068048	
RHS011	30	880	14	0.03	2	3	18	0.08	-10	-10	65	-10	112	VA05068048	
RHS012	27	870	22	0.08	-2	2	16	0.04	-10	-10	38	-10	96	VA05068048	
RHS013	27	780	15	0.03	-2	2	13	0.04	-10	-10	30	-10	97	VA05068048	
RHS014	21	710	16	0.08	-2	2	12	0.1	-10	-10	38	-10	98	VA05068048	
RHS015	26	600	14	0.07	-2	2	19	0.03	-10	-10	27	-10	82	VA05068048	
RHS016	27	680	17	0.03	-2	3	11	0.08	-10	-10	39	-10	97	VA05068048	
RHS017	15	580	15	0.02	-2	2	6	0.04	-10	-10	43	-10	80	VA05068048	
RHS018	23	790	23	0.03	-2	2	7	0.04	-10	-10	40	-10	80	VA05068048	
RHS019	30	530	16	0.03	-2	3	8	0.04	-10	-10	46	-10	97	VA05068048	
RHS020	28	600	15	0.03	-2	3	9	0.08	-10	-10	53	-10	81	VA05068048	
RHS021	27	450	13	0.02	-2	3	10	0.04	-10	-10	40	-10	79	VA05068048	
RHS022	24	620	18	0.02	-2	2	10	0.03	-10	-10	38	-10	83	VA05068048	
RHS023	34	830	14	0.04	-2	3	21	0.02	-10	-10	27	-10	138	VA05068048	
RHS024	23	620	14	0.02	-2	2	9	0.05	-10	-10	43	-10	81	VA05068048	
RHS025	88	1100	70	0.19	2	4	42	0.03	-10	-10	33	-10	563	VA05068048	
RHS026	25	800	18	0.03	-2	2	15	0.05	-10	-10	44	-10	85	VA05068048	
RHS027	31	720	18	0.02	-2	3	15	0.04	-10	-10	36	-10	89	VA05068048	
RHS028	23	440	14	0.01	-2	2	11	0.04	-10	-10	41	-10	92	VA05068048	
RHS029	24	560	11	0.01	-2	4	18	0.07	-10	-10	57	-10	80	VA05068048	
RHS030	19	610	18	0.03	-2	1	9	0.05	-10	-10	34	-10	87	VA05068048	
RHS031	21	450	19	0.03	-2	1	12	0.08	-10	-10	34	-10	84	VA05068048	
RHS032	31	640	16	0.03	-2	3	12	0.07	-10	-10	46	-10	97	VA05068048	
RHS033	43	640	18	0.03	-2	3	17	0.05	-10	-10	35	-10	140	VA05068048	
RHS034	22	550	11	0.02	-2	2	8	0.07	-10	-10	56	-10	81	VA05068048	
RHS035	25	930	15	0.02	-2	2	11	0.05	-10	-10	48	-10	88	VA05068048	
RHS036	37	810	11	0.05	-2	3	19	0.02	-10	-10	27	-10	226	VA05068048	
RHS037	18	680	13	0.02	-2	2	11	0.08	-10	-10	62	-10	76	VA05068048	
RHS038	54	1100	15	0.03	-2	6	21	0.13	-10	-10	116	-10	122	VA05068048	
RHS039	87	1350	15	0.02	-2	8	28	0.1	-10	-10	124	-10	196	VA05068048	

Sample Descriptions and Results

										Au	Ag	Al	As	B
RHS040	Soil	poor	till, light brn-tan	5-Aug-05	1:32:14PM	NAD27	8V	482973	6724087	-0.005	-0.2	1.86	11	-10
			float of mudst, cht, cpc-qtz-mudst congl, green meta andesite volc, cht-qtz boulders, mm size Fe and Mn oxi pebbles											
RHS041	Silt	good	float of mudst, cht, cpc-qtz-mudst congl, green meta andesite volc, cht-qtz boulders, ferricrete and mm size Fe and Mn oxi pebbles (from ferricrete?)	5-Aug-05	4:03:42PM	NAD27	8V	482353	6724727	0.05	1.2	3.19	149	-10
RHS042	Silt	good	float of mudst, cht, cpc-qtz-mudst congl, green meta andesite volc, cht-qtz boulders, ferricrete and mm size Fe and Mn oxi pebbles (from ferricrete?)	5-Aug-05	5:04:42PM	NAD27	8V	482259	6724794	0.044	1.4	3.82	148	-10
RHS043	Silt	good	dry creek, no special float, no ferricrete	5-Aug-05	5:27:58PM	NAD27	8V	482181	6724846	0.009	0.2	1.53	16	-10
			float of mudst, cht, cpc-qtz-mudst congl, green meta andesite volc, cht-qtz boulders, no ferricrete											
RHS044	Silt	good	float of mudst, cht, cpc-qtz-mudst congl, green meta andesite volc, cht-qtz boulders, no ferricrete	5-Aug-05	5:46:20PM	NAD27	8V	482167	6724806	0.046	1.2	2.28	160	-10
RHS045	Soil	moderate	choc brown sl, some rnd'd pebbles.	5-Aug-05	6:05:39PM	NAD27	8V	482178	6724788	0.005	0.2	1.83	21	-10
RHS046	Soil	good	med brown, angular frags	5-Aug-05	6:16:39PM	NAD27	8V	482219	6724753	0.006	0.2	2.24	18	-10
RHS047	Soil	moderate	brown and grey, looks tily!, rnd'd pebbles	5-Aug-05	6:31:05PM	NAD27	8V	482280	6724706	0.005	0.2	1.58	24	-10
RHS048	Soil	good	light olive	6-Aug-05	10:09:38AM	NAD27	8V	482458	6724799	0.009	-0.2	1.69	94	-10
RHS049	Soil	good	light brn soil, very dry, 1st outcrops	6-Aug-05	10:42:58AM	NAD27	8V	482386	6724922	-0.005	-0.2	1.33	18	-10
			med brown, angular frags, in chute with 1st to east and green shr'd meta volc to west.											
RHS050	Soil	good	med brown, angular frags, in chute with 1st to east and green shr'd meta volc to west.	6-Aug-05	10:58:58AM	NAD27	8V	482321	6724962	0.006	0.3	1.42	174	-10
RHS051	Soil	moderate	some humus, brn soil, green shr'd meta volc frags and float in gully, some humus and ash, float of mudst, shl, green meta volc.	6-Aug-05	11:22:53AM	NAD27	8V	482209	6724978	-0.005	-0.2	1.76	7	-10
RHS052	Soil	moderate	in gully, some humus and ash, float of mudst, shl, green meta volc.	6-Aug-05	11:48:48AM	NAD27	8V	482052	6725026	0.007	0.2	1.28	7	-10
RHS053	Soil	moderate	brn sl, some ash, grey-green mudst frags	6-Aug-05	12:09:12PM	NAD27	8V	482016	6724935	-0.005	-0.2	2.16	12	-10



Sample Descriptions and Results

	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na
RHS040	150	0.6	-2	0.16	-0.5	10	22	26	2.92	-10	-1	0.07	20	0.63	443	-1	0.01
RHS041	280	6.1	-2	0.25	4.6	91	18	1285	3.44	-10	1	0.12	30	0.34	3370	3	0.01
RHS042	260	7.1	-2	0.24	3.4	69	18	1340	3.28	-10	1	0.11	30	0.3	2290	3	0.01
RHS043	360	0.5	-2	0.58	0.8	10	20	79	2.82	-10	-1	0.07	20	0.83	1060	-1	0.01
RHS044	230	3.6	-2	0.18	2.1	46	17	765	3.42	-10	-1	0.12	20	0.29	1770	4	0.01
RHS045	120	-0.5	-2	0.25	-0.5	13	26	35	3.41	-10	-1	0.06	10	0.86	700	-1	0.01
RHS046	150	-0.5	-2	0.2	-0.5	10	24	39	4.01	10	-1	0.05	10	1.18	477	1	0.01
RHS047	220	-0.5	-2	0.19	-0.5	9	24	28	2.99	-10	-1	0.06	10	0.76	587	-1	0.01
RHS048	200	0.8	-2	0.32	-0.5	18	22	104	3.48	-10	-1	0.08	10	0.82	698	3	0.01
RHS049	140	-0.5	-2	0.11	-0.5	7	18	27	3.61	-10	-1	0.07	10	0.49	390	-1	0.01
RHS050	400	-0.5	-2	0.2	-0.5	11	28	40	3.56	-10	1	0.1	10	0.55	636	1	0.01
RHS051	620	0.5	-2	0.66	0.9	22	12	65	4.95	10	-1	0.13	10	0.69	3470	1	0.01
RHS052	160	-0.5	-2	0.1	0.5	6	15	24	2.52	-10	-1	0.06	10	0.51	670	-1	0.01
RHS053	210	0.5	-2	0.41	-0.5	12	17	73	4.47	10	-1	0.04	10	0.93	729	-1	0.01

Sample Descriptions and Results

	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn	
RHS040	23	800	10	0.01	-2	3	13	0.08	-10	-10	43	-10	103	VA05068048
RHS041	79	1140	102	0.24	3	4	32	0.03	-10	-10	31	-10	504	VA05068048
RHS042	66	1120	106	0.25	4	5	31	0.02	-10	-10	29	-10	436	VA05068048
RHS043	23	1040	11	0.06	-2	2	33	0.04	-10	-10	50	-10	118	VA05068048
RHS044	51	1040	113	0.24	4	3	30	0.02	-10	-10	28	-10	351	VA05068048
RHS045	24	660	22	0.04	-2	3	14	0.11	-10	-10	47	-10	96	VA05068048
RHS046	23	520	33	0.05	-2	4	17	0.16	-10	-10	44	-10	114	VA05068048
RHS047	27	570	16	0.02	-2	3	13	0.08	-10	-10	44	-10	106	VA05068048
RHS048	36	510	12	0.02	3	4	18	0.08	-10	-10	60	-10	98	VA05068048
RHS049	16	710	9	0.02	-2	2	9	0.09	-10	-10	68	-10	73	VA05068048
RHS050	29	710	12	0.02	3	2	15	0.03	-10	-10	62	-10	84	VA05068048
RHS051	11	1300	11	0.06	-2	2	31	0.06	-10	-10	112	-10	97	VA05068048
RHS052	13	1160	10	0.08	-2	-1	12	0.02	-10	-10	33	-10	72	VA05068048
RHS053	16	700	7	0.04	-2	3	46	0.14	-10	-10	116	-10	97	VA05068048

**Appendix B**

**2005 Analytical Certificates**



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212 Brooksbank Avenue

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281 ALSEK ROAD  
WHITEHORSE YT Y1A 4T1

Page: 1

Finalized Date: 29-AUG-2005

This copy reported on 30-AUG-2005

Account: HULROG

## CERTIFICATE VA05068049

Project: Simpson-LDH

P.O. No.:

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 15-AUG-2005.

The following have access to data associated with this certificate:

ROGER HULSTEIN

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: HULSTEIN, ROGER  
281 ALSEK ROAD  
WHITEHORSE YT Y1A 4T1

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

Signature:





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Project: Simpson-LDH

**CERTIFICATE OF ANALYSIS VA05068049**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
RHR-001		<10	<1	0.23	10	0.50	558	<1	0.03	4	830	16	0.03	<2	3	42
RHR-002		<10	<1	0.04	<10	0.01	40	3	<0.01	5	190	43	0.04	9	<1	3



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Page: 2 - C  
Total # Pages: 2 (A - C)  
Finalized Date: 29-AUG-2005  
Account: HULROG

Project: Simpson-LDH

## CERTIFICATE OF ANALYSIS VA05068049

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
RHR-001		0.22	<10	<10	33	<10	87
RHR-002		<0.01	<10	<10	3	<10	22



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Page: 1  
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This copy reported on 30-AUG-2005  
Account: HULROG

## CERTIFICATE VA05068048

Project: Simpson-LDH

P.O. No.:

This report is for 45 Soil samples submitted to our lab in Vancouver, BC, Canada on 15-AUG-2005.

The following have access to data associated with this certificate:

ROGER HULSTEIN

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: HULSTEIN, ROGER  
281 ALSEK ROAD  
WHITEHORSE YT Y1A 4T1

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

Signature:





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Total # Pages: 3 (A - C)  
Finalized Date: 29-AUG-2005  
Account: HULROG

Project: Simpson-LDH

## CERTIFICATE OF ANALYSIS VA05068048

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	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	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
RHS-009		0.58	<0.005	0.3	1.92	24	<10	270	0.6	<2	0.18	1.1	21	27	53	4.63
RHS-010		0.66	0.007	<0.2	1.92	48	<10	260	0.6	<2	0.29	0.5	15	40	54	4.30
RHS-011		0.54	0.009	0.2	1.82	59	<10	200	0.6	<2	0.33	0.9	17	22	93	3.98
RHS-012		0.58	0.008	0.2	1.68	69	<10	280	0.9	<2	0.34	<0.5	14	26	38	3.63
RHS-013		0.70	0.006	0.3	1.52	32	<10	190	<0.5	<2	0.24	<0.5	11	20	28	2.88
RHS-014		0.58	<0.005	0.3	1.84	15	<10	210	<0.5	<2	0.14	<0.5	8	18	27	3.96
RHS-015		0.58	0.005	0.5	1.42	12	<10	200	<0.5	<2	0.14	<0.5	9	18	27	2.95
RHS-016		0.62	0.006	<0.2	1.77	18	<10	260	0.5	<2	0.12	<0.5	12	23	28	3.45
RHS-017		0.58	<0.005	<0.2	1.32	14	<10	150	<0.5	<2	0.07	<0.5	6	21	12	2.85
RHS-018		0.64	0.005	0.2	1.94	18	<10	90	<0.5	<2	0.10	0.5	8	27	16	4.36
RHS-019		0.56	0.005	0.2	1.96	26	<10	120	<0.5	<2	0.11	0.5	8	31	24	3.72
RHS-020		0.64	0.005	0.2	1.66	50	<10	120	<0.5	<2	0.17	0.5	9	31	23	3.96
RHS-021		0.50	0.005	0.2	1.58	24	<10	190	0.6	<2	0.12	<0.5	10	27	20	3.27
RHS-022		0.46	0.005	<0.2	1.48	16	<10	280	<0.5	<2	0.17	<0.5	11	23	22	2.84
RHS-023		0.66	0.008	0.4	1.78	9	<10	370	<0.5	<2	0.64	1.3	12	15	43	2.69
RHS-024		0.66	0.005	<0.2	1.51	25	<10	110	<0.5	<2	0.11	<0.5	9	22	23	3.04
RHS-025		0.78	0.051	0.9	2.65	151	<10	320	4.4	<2	0.41	4.1	74	19	989	3.47
RHS-026		0.64	0.005	<0.2	1.50	32	<10	170	<0.5	<2	0.23	<0.5	9	23	36	3.08
RHS-027		0.66	0.005	<0.2	1.58	23	<10	160	0.5	<2	0.22	<0.5	12	22	28	3.02
RHS-028		0.50	<0.005	<0.2	1.38	15	<10	110	<0.5	<2	0.19	<0.5	6	24	16	3.04
RHS-029		0.46	0.005	<0.2	2.72	36	<10	310	0.5	<2	0.32	<0.5	18	16	120	4.67
RHS-030		0.54	0.005	0.3	1.56	17	<10	190	<0.5	<2	0.09	<0.5	8	18	30	2.83
RHS-031		0.52	0.005	0.2	1.64	14	<10	150	<0.5	<2	0.08	<0.5	9	18	23	3.19
RHS-032		0.64	0.007	<0.2	1.78	16	<10	420	<0.5	<2	0.21	<0.5	14	27	47	3.50
RHS-033		0.72	0.010	<0.2	1.78	23	<10	390	0.7	<2	0.45	<0.5	15	28	50	3.51
RHS-034		0.62	0.005	0.2	1.62	14	<10	170	<0.5	<2	0.12	<0.5	6	30	20	3.40
RHS-035		0.62	0.017	0.2	1.46	12	<10	290	0.5	<2	0.17	<0.5	13	26	20	3.31
RHS-036		0.80	0.008	0.3	1.66	12	<10	460	<0.5	<2	0.42	1.3	9	16	45	2.62
RHS-037		0.40	0.006	<0.2	1.52	22	<10	150	0.5	<2	0.16	<0.5	8	20	44	3.23
RHS-038		0.40	0.009	0.2	2.51	67	<10	170	0.7	<2	0.33	<0.5	23	60	89	4.12
RHS-039		0.42	0.011	0.6	3.42	41	<10	170	1.1	<2	0.35	<0.5	27	74	111	5.10
RHS-040		0.30	<0.005	<0.2	1.86	11	<10	150	0.6	<2	0.16	<0.5	10	22	26	2.92
RHS-041		0.82	0.050	1.2	3.19	149	<10	280	6.1	<2	0.25	4.6	91	18	1285	3.44
RHS-042		0.66	0.044	1.4	3.82	148	<10	260	7.1	<2	0.24	3.4	69	18	1340	3.28
RHS-043		0.60	0.009	0.2	1.53	16	<10	360	0.5	<2	0.58	0.8	10	20	79	2.82
RHS-044		0.60	0.046	1.2	2.26	160	<10	230	3.6	<2	0.18	2.1	46	17	765	3.42
RHS-045		0.54	0.005	0.2	1.83	21	<10	120	<0.5	<2	0.25	<0.5	13	26	35	3.41
RHS-046		0.48	0.006	0.2	2.24	18	<10	150	<0.5	<2	0.20	<0.5	10	24	39	4.01
RHS-047		0.52	0.005	0.2	1.58	24	<10	220	<0.5	<2	0.19	<0.5	9	24	28	2.99
RHS-048		0.38	0.009	<0.2	1.69	94	<10	200	0.6	<2	0.32	<0.5	18	22	104	3.48



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281 ALSEK ROAD  
WHITEHORSE YT Y1A 4T1

Page: 2 - B  
Total # Pages: 3 (A - C)  
Finalized Date: 29-AUG-2005  
Account: HULROG

Project: Simpson-LDH

## CERTIFICATE OF ANALYSIS VA05068048

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 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
RHS-009		<10	<1	0.08	10	0.63	2270	1	0.01	23	1810	16	0.07	<2	1	15
RHS-010		10	1	0.09	10	0.91	768	1	0.01	35	930	14	0.05	2	3	18
RHS-011		<10	<1	0.08	10	0.77	900	1	0.01	30	880	14	0.03	2	3	18
RHS-012		<10	1	0.09	30	0.70	757	2	0.01	27	870	22	0.08	<2	2	16
RHS-013		<10	<1	0.06	20	0.97	605	1	0.01	27	780	15	0.03	<2	2	13
RHS-014		<10	<1	0.08	10	1.14	473	3	0.01	21	710	16	0.06	<2	2	12
RHS-015		<10	<1	0.07	20	0.75	512	4	0.01	26	600	14	0.07	<2	2	19
RHS-016		<10	<1	0.07	20	0.83	541	2	0.01	27	680	17	0.03	<2	3	11
RHS-017		10	<1	0.06	20	0.36	289	1	0.01	15	580	15	0.02	<2	2	6
RHS-018		10	1	0.06	10	0.49	430	1	0.01	23	790	23	0.03	<2	2	7
RHS-019		10	1	0.07	10	0.67	348	1	0.01	30	530	16	0.03	<2	3	8
RHS-020		10	<1	0.07	10	0.71	431	1	0.01	28	600	15	0.03	<2	3	9
RHS-021		<10	<1	0.06	20	0.54	321	1	0.01	27	450	13	0.02	<2	3	10
RHS-022		<10	1	0.07	20	0.57	559	1	0.01	24	620	18	0.02	<2	2	10
RHS-023		<10	<1	0.06	20	1.52	1160	1	0.01	34	830	14	0.04	<2	3	21
RHS-024		10	<1	0.06	10	0.52	494	1	0.01	23	620	14	0.02	<2	2	9
RHS-025		<10	2	0.12	30	0.42	3020	3	0.01	88	1100	70	0.19	2	4	42
RHS-026		<10	<1	0.09	10	0.67	495	1	0.01	25	800	18	0.03	<2	2	15
RHS-027		<10	<1	0.09	20	0.60	498	1	0.01	31	720	18	0.02	<2	3	15
RHS-028		<10	<1	0.06	10	0.50	244	<1	0.01	23	440	14	0.01	<2	2	11
RHS-029		10	<1	0.13	20	1.04	960	<1	0.01	24	560	11	0.01	<2	4	18
RHS-030		<10	<1	0.06	10	0.74	545	2	0.01	19	610	18	0.03	<2	1	9
RHS-031		<10	<1	0.06	20	0.55	422	3	0.01	21	450	19	0.03	<2	1	12
RHS-032		<10	<1	0.08	20	0.88	848	1	0.01	31	640	16	0.03	<2	3	12
RHS-033		<10	<1	0.08	30	0.88	665	1	0.01	43	640	18	0.03	<2	3	17
RHS-034		10	1	0.07	10	0.51	350	1	0.01	22	550	11	0.02	<2	2	8
RHS-035		10	<1	0.07	20	0.62	888	<1	0.01	25	930	15	0.02	<2	2	11
RHS-036		<10	<1	0.05	20	1.36	690	<1	0.01	37	810	11	0.05	<2	3	19
RHS-037		10	<1	0.05	10	0.51	506	1	0.01	18	680	13	0.02	<2	2	11
RHS-038		10	<1	0.12	10	1.32	1205	1	0.01	54	1100	15	0.03	<2	6	21
RHS-039		10	<1	0.17	20	1.89	1045	1	0.01	87	1350	15	0.02	<2	8	28
RHS-040		<10	<1	0.07	20	0.63	443	<1	0.01	23	800	10	0.01	<2	3	13
RHS-041		<10	1	0.12	30	0.34	3370	3	0.01	79	1140	102	0.24	3	4	32
RHS-042		<10	1	0.11	30	0.30	2290	3	0.01	66	1120	106	0.25	4	5	31
RHS-043		<10	<1	0.07	20	0.83	1060	<1	0.01	23	1040	11	0.06	<2	2	33
RHS-044		<10	<1	0.12	20	0.29	1770	4	0.01	51	1040	113	0.24	4	3	30
RHS-045		<10	<1	0.06	10	0.86	700	<1	0.01	24	660	22	0.04	<2	3	14
RHS-046		10	<1	0.05	10	1.18	477	1	0.01	23	520	33	0.05	<2	4	17
RHS-047		<10	<1	0.06	10	0.76	567	<1	0.01	27	570	16	0.02	<2	3	13
RHS-048		<10	<1	0.08	10	0.82	698	3	0.01	36	510	12	0.02	3	4	18



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107 HURSTON, ROSEL

281 ALSEK ROAD

WHITEHORSE YT Y1A 4T1

Page: 2 - 0

Total # Pages: 3 (A - C)

Finalized Date: 29-AUG-2005

Account: HULROG

Project: Simpson-LDH

## CERTIFICATE OF ANALYSIS VA05068048

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
RHS-009		0.03	<10	<10	75	<10	146
RHS-010		0.06	<10	<10	70	<10	105
RHS-011		0.08	<10	<10	65	<10	112
RHS-012		0.04	<10	<10	38	<10	96
RHS-013		0.04	<10	<10	30	<10	97
RHS-014		0.10	<10	<10	38	<10	98
RHS-015		0.03	<10	<10	27	<10	82
RHS-016		0.06	<10	<10	39	<10	97
RHS-017		0.04	<10	<10	43	<10	80
RHS-018		0.04	<10	<10	40	<10	80
RHS-019		0.04	<10	<10	46	<10	97
RHS-020		0.06	<10	<10	53	<10	81
RHS-021		0.04	<10	<10	40	<10	79
RHS-022		0.03	<10	<10	38	<10	83
RHS-023		0.02	<10	<10	27	<10	138
RHS-024		0.05	<10	<10	43	<10	81
RHS-025		0.03	<10	<10	33	<10	563
RHS-026		0.05	<10	<10	44	<10	85
RHS-027		0.04	<10	<10	36	<10	89
RHS-028		0.04	<10	<10	41	<10	92
RHS-029		0.07	<10	<10	57	<10	80
RHS-030		0.05	<10	<10	34	<10	87
RHS-031		0.06	<10	<10	34	<10	84
RHS-032		0.07	<10	<10	46	<10	97
RHS-033		0.05	<10	<10	35	<10	140
RHS-034		0.07	<10	<10	56	<10	81
RHS-035		0.05	<10	<10	48	<10	88
RHS-036		0.02	<10	<10	27	<10	226
RHS-037		0.06	<10	<10	62	<10	76
RHS-038		0.13	<10	<10	116	<10	122
RHS-039		0.10	<10	<10	124	<10	196
RHS-040		0.06	<10	<10	43	<10	103
RHS-041		0.03	<10	<10	31	<10	504
RHS-042		0.02	<10	<10	29	<10	436
RHS-043		0.04	<10	<10	50	<10	118
RHS-044		0.02	<10	<10	28	<10	351
RHS-045		0.11	<10	<10	47	<10	96
RHS-046		0.16	<10	<10	44	<10	114
RHS-047		0.08	<10	<10	44	<10	106
RHS-048		0.08	<10	<10	60	<10	98



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WHITEHORSE YT Y1A 4T1

Project: Simpson-LDH

**CERTIFICATE OF ANALYSIS VA05068048**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	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	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
RHS-049		0.44	<0.005	<0.2	1.33	18	<10	140	<0.5	<2	0.11	<0.5	7	18	27	3.61
RHS-050		0.44	0.006	0.3	1.42	174	<10	400	<0.5	<2	0.20	<0.5	11	28	40	3.56
RHS-051		0.44	<0.005	<0.2	1.76	7	<10	620	0.5	<2	0.66	0.9	22	12	65	4.95
RHS-052		0.52	0.007	0.2	1.28	7	<10	160	<0.5	<2	0.10	0.5	6	15	24	2.52
RHS-053		0.44	<0.005	<0.2	2.16	12	<10	210	0.5	<2	0.41	<0.5	12	17	73	4.47



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**CERTIFICATE OF ANALYSIS VA05068048**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga 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	
RHS-049		<10	<1	0.07	10	0.49	390	<1	0.01	16	710	9	0.02	<2	2	9
RHS-050		<10	1	0.10	10	0.55	636	1	0.01	29	710	12	0.02	3	2	15
RHS-051		10	<1	0.13	10	0.69	3470	1	0.01	11	1300	11	0.06	<2	2	31
RHS-052		<10	<1	0.06	10	0.51	670	<1	0.01	13	1160	10	0.08	<2	<1	12
RHS-053		10	<1	0.04	10	0.93	729	<1	0.01	16	700	7	0.04	<2	3	46



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**CERTIFICATE OF ANALYSIS VA05068048**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
RHS-049		0.09	<10	<10	68	<10	73
RHS-050		0.03	<10	<10	62	<10	84
RHS-051		0.06	<10	<10	112	<10	97
RHS-052		0.02	<10	<10	33	<10	72
RHS-053		0.14	<10	<10	116	<10	97

**Appendix C**  
**1997, 1998 Cominco**  
**Geochemistry Results**

● 337,381

● 337,380

● 337,378  
● 337,379

● 337,377

● 337,376

● 337,350

● 299,869

● 299,868

● 337,351

● 337,352

● 337,354

● 337,353

● 337,355

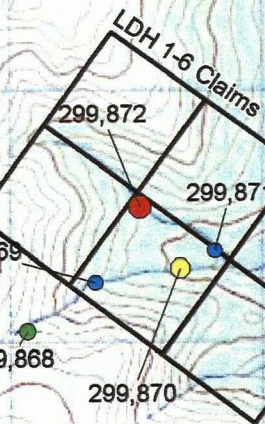
● 337,356

● 337,357

● 337,358

● 337,360

● 337,359



● 299,873

● 299,874

● 299,876

● 299,875

● 299,877

● 299,878

● 105A951120

● 335,964

● 335,965

● 335,966

● 335,967

● 335,968

● 335,969

● 335,970

● 335,971

● 335,972

Mr. R. HULSTEIN

Whitehorse, Yukon

LDH PROPERTY

**COMINCO and GSC - RGS  
STREAM SEDIMENT SAMPLES**

YUKON TERRITORY, CANADA

Date: Dec. 30, 2005 | Author: RH | NTS: 105A/11

File: simpson | Scale: 1: 30,000 | Figure:

**Cominco Stream Sediment**

Percentiles for: Cu

- 19 =< 31 [ $<30\%$ ] (10)
- 31 =< 43 [ $30<60\%$ ] (11)
- 43 =< 53 [ $60<80\%$ ] (8)
- 53 =< 88 [ $80<90\%$ ] (4)
- 88 =< 659 [ $90<95\%$ ] (2)
- 659 =< 2437 [ $95<98\%$ ] (1)
- 2437 =< 2437 [ $98<99\%$ ] (1)

**GSC - RGS**

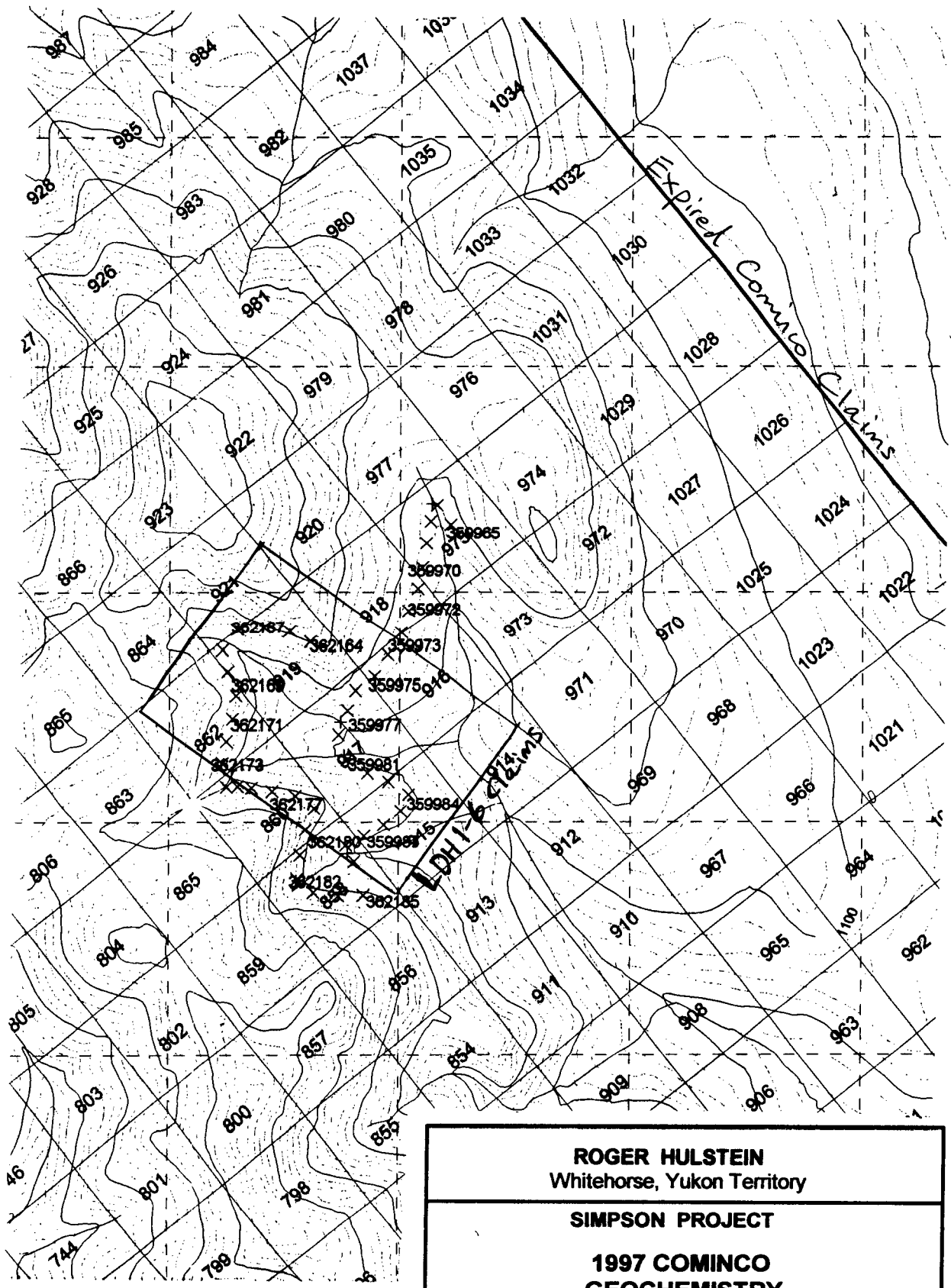
Percentiles for: Cu

- ◆ 0.9 =< 16 [ $<30\%$ ] (9207)
- ◆ 16 =< 25 [ $30<60\%$ ] (9312)
- ◆ 25 =< 38 [ $60<80\%$ ] (6242)
- ◆ 38 =< 54 [ $80<90\%$ ] (3031)
- ◆ 54 =< 74 [ $90<95\%$ ] (1564)
- ◆ 74 =< 106 [ $95<98\%$ ] (971)
- ◆ 106 =< 135 [ $98<99\%$ ] (317)
- ◆ 135 =< 999.9 [ $99\%+$ ] (303)









X 362171 - Soil sample site and number  
 Geochemistry after: Bannister, 1998

<b>ROGER HULSTEIN</b> Whitehorse, Yukon Territory		
<b>SIMPSON PROJECT</b>		
<b>1997 COMINCO GEOCHEMISTRY</b>		
<b>YUKON TERRITORY, CANADA</b>		
Date: Feb. 28, 2005	Author: RH	Drawn By: Cominco, RH
Simpson File	Scale: 1:25,000	Figure:



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