

# KSL Exploration (Yukon) Limited

Registered Office: C/- Davis and Company  
Suite 200, 304 Jarvis Street, Whitehorse, YT, Canada, Y1A 2H2

094355

## ASSESSMENT REPORT (Geochemical and Geological Surveys)

for the renewal of

**HIT Claims (7-18, 25-35, 40-54, 57-65, & 67-81)**

**and STRIKE Claims (14-31)**

**NTS 115 - O/10 and O/15**

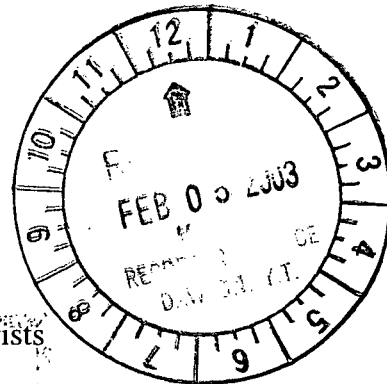
**centred at 138° 45' West and 63° 45' North**

**in the Dawson Mining District**

January 2003

Authors:

R.G. Adamson and C.M. Thomas, Consulting Geologists



Prepared for:  
Dawson Mining Recorder,  
Dawson City, Yukon Territory  
PO Box 249  
DAWSON CITY  
YUKON Y0B 1G0

C/- RobSearch Australia Pty Limited  
11th Floor, 80 Arthur Street, North Sydney, NSW 2060, Australia  
Telephone: (612) 9957 3199 Facsimile: (612) 9954 4011  
E.Mail: info@klondikesource.com.au

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 \$ 8190

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

Costs associated with this report have been  
approved to the amount of \$ 8,190  
for assistance credit under Certificate of  
work no. 2000413-414

*K. Perry*

Mining Recorder  
Dawson City Mining District

# KSL Exploration (Yukon) Limited

## CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>1</b>
<b>1. INTRODUCTION.....</b>	<b>3</b>
1.1 <i>Location and Tenements</i> .....	3
1.2 <i>Company Background</i> .....	3
<b>2. TECHNICAL BACKGROUND .....</b>	<b>3</b>
2.1 <i>Previous Exploration Concepts</i> .....	3
2.2 <i>District Geology</i> .....	5
2.3 <i>District Geophysics</i> .....	5
<b>3. PREVIOUS EXPLORATION.....</b>	<b>6</b>
3.1 <i>HIT Claim Block</i> .....	6
3.2 <i>Strike Claim Block</i> .....	6
<b>4. SOIL GEOCHEMICAL SURVEY.....</b>	<b>6</b>
4.1 <i>MMI Geochemical Surveys</i> .....	6
4.2 <i>Design and Location of MMI Survey Lines</i> .....	6
4.3 <i>Survey Procedures</i> .....	7
4.4 <i>MMI Data Presentation</i> .....	7
<b>5. CONCLUSIONS .....</b>	<b>8</b>
5.1 <i>HIT Claims</i> .....	8
5.2 <i>STRIKE Claims</i> .....	8
<b>AUTHORS' PROFESSIONAL STATEMENTS .....</b>	<b>10</b>

# KSL Exploration (Yukon) Limited

## LIST OF FIGURES, APPENDICES & ENCLOSURES

- Figure 1**            Location Map
- Figure 2**            Klondike Goldfield Map
- 
- APPENDIX I**        Soil Geochemical Master Ledger (Digitised).
- APPENDIX II**       2002 Soil Geochemical Sampling Program:  
Profiles of MMI Analytical Data.
- APPENDIX III**      Certificates of Analysis:  
MMI digests, ALS-Chemex (Perth, Australia).
- 
- ENCLOSURE 1**      STRIKE and HIT Claims Plan
- ENCLOSURE 2**      STRIKE and HIT Claims : MMI Geochemistry 2002
- ENCLOSURE 3**      1 x 1.44 mb diskette containing two files:  
L H LEDGER 01.xls (Excel 97 Workbook)  
L H TRPLOT.pdf (Adobe Acrobat document)

# **KSL Exploration (Yukon) Limited**

## **EXECUTIVE SUMMARY**

### **HIT Claims**

The MMI soil geochemical surveys failed to provide evidence for a NE extension of MMI and 80# soil gold anomalies defined by previous surveys. One end-of line MMI anomaly can be inferred to indicate confirmation of a zone of gold anomalism along a 1,000m E-W striking arc.

### **STRIKE Claims**

A single line located on the northern side of Gold Run Creek failed to provide any MMI anomalies.

# KSL Exploration (Yukon) Limited



Figure 1:

## Location Map Klondike Goldfield



# KSL Exploration (Yukon) Limited

## 1. INTRODUCTION

### 1.1 Location and Tenements

This report covers geochemical sampling work undertaken in August 2002 covering the north central part of the HIT Claim Group and northern part of the STRIKE Claim Group.

These two neighbouring claim blocks are located in the upper part of the Gold Run Creek district, straddling the boundary between NTS 115 O/10 and 115 – O/15.

Table 1 provides a list of the relevant claims and renewal date applications.

**Table 1 : Claims**

Claim No.	Grant No.	No of Claims	Expiry Date	Application for renewal to
<b>Hit Claims</b>				
Hit 7-18	YC 20137-YC 20148	12	2002/09/16	2003/09/16
Hit 25-35	YC 20155-YC 20165	11	2002/09/16	2003/09/16
Hit 40-46	YC 20170-YC 20176	7	2002/09/16	2003/09/16
Hit 47-54	YC 20333-YC 20340	8	2002/08/29	2003/08/29
Hit 57-65	YC 20343-YC 20351	9	2002/08/29	2003/08/29
Hit 67-81	YC 20353-YC 20367	15	2002/08/29	2003/08/29
<b>Strike Claims</b>				
Strike 14 – 31	YC 20315 - YC 20332	18	2002/08/29	2003/08/29
<b>Total</b>		<b>80</b>		

### 1.2 Company Background

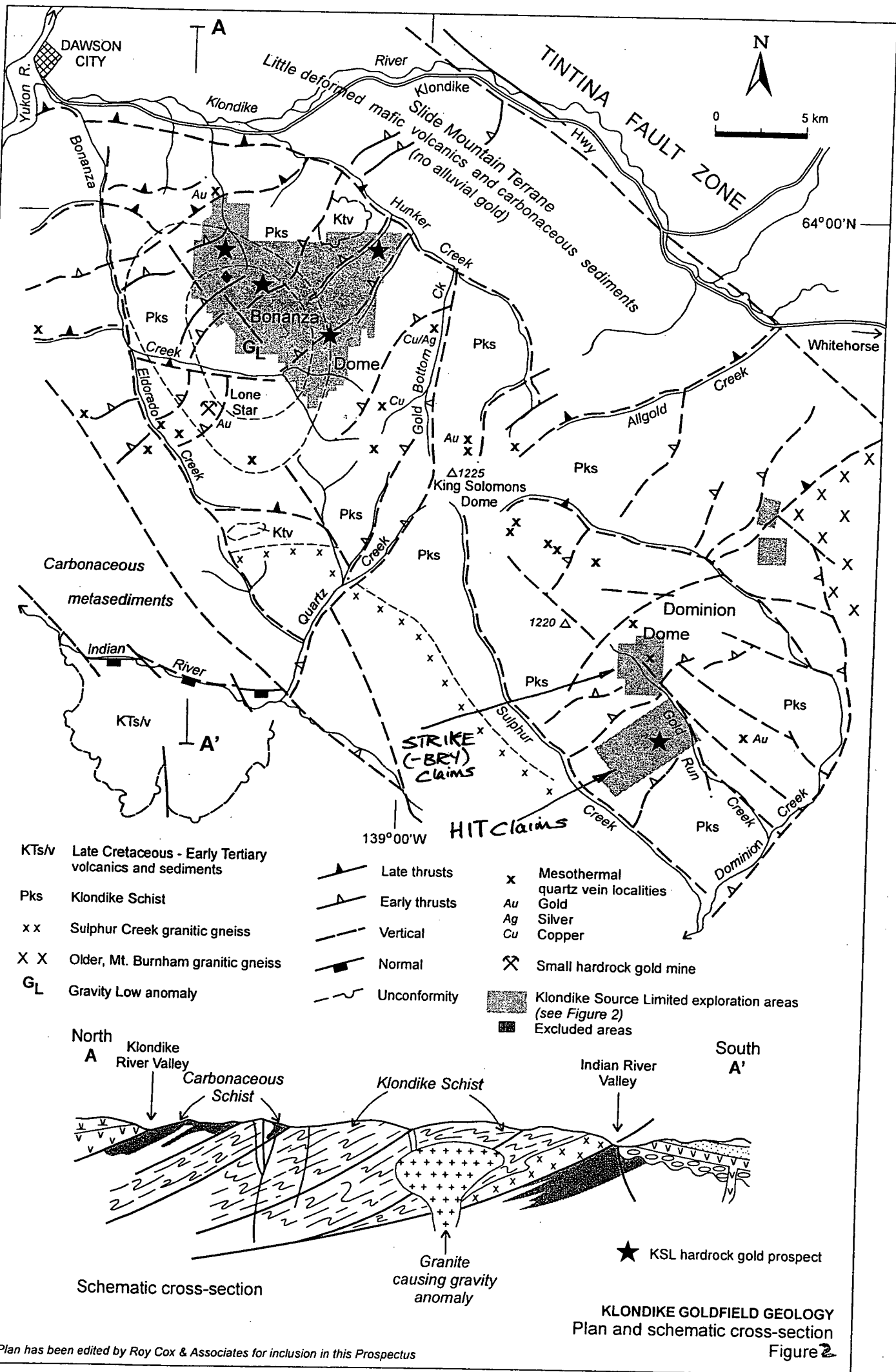
Both claim groups are registered in the name of KSL Exploration (Yukon) limited, a wholly-owned subsidiary of Klondike Source Limited, which is an unlisted Australian public company.

## 2 TECHNICAL BACKGROUND

### 2.1 Previous Exploration Concepts

The geology, and in particular, the structural geology, of the Klondike Goldfield is poorly understood.

In 1999, KSL undertook a district-scale structural study of the Klondike district based on public domain information, including study of aerial photography, Landsat imagery, regional magnetic survey data and geological map compilations (e.g. Mortensen, 1996). In addition, some specialist structural studies were commissioned by KSL. This work included the area of the HIT claims and forms part of an earlier Assessment Report on claims in the northern part of the Klondike Goldfield (Adamson and Thomas, 2000).

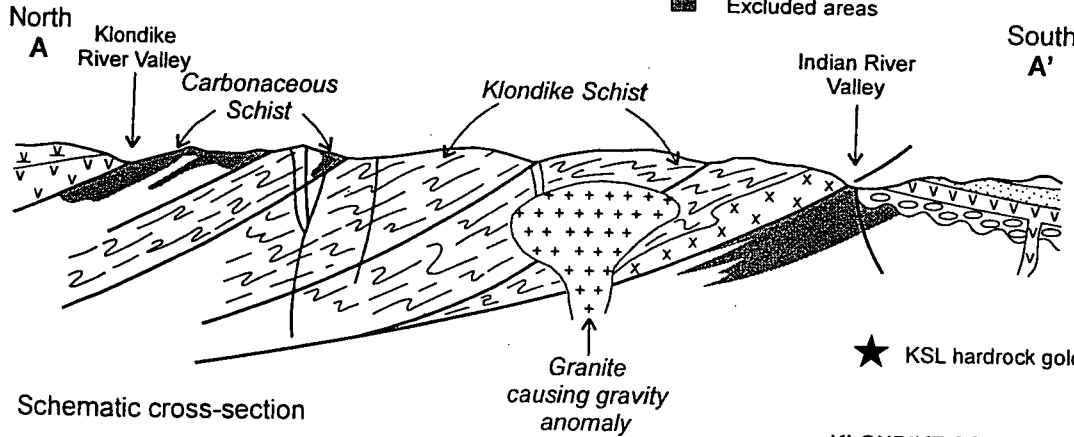


KTs/v Late Cretaceous - Early Tertiary volcanics and sediments  
 Pks Klondike Schist  
 x x Sulphur Creek granitic gneiss  
 X X Older, Mt. Burnham granitic gneiss  
 G<sub>L</sub> Gravity Low anomaly

▲ Late thrusts  
 ▲ Early thrusts  
 --- Vertical  
 ▬ Normal  
 - - - Unconformity

x Mesothermal quartz vein localities  
 Au Gold  
 Ag Silver  
 Cu Copper  
 ⊗ Small hardrock gold mine

■ Klondike Source Limited exploration areas (see Figure 2)  
 ■ Excluded areas



**KLONDIKE GOLDFIELD GEOLOGY**  
 Plan and schematic cross-section  
 Figure 2

This Plan has been edited by Roy Cox & Associates for inclusion in this Prospectus

# KSL Exploration (Yukon) Limited

The major structural elements of the Klondike Schist bedrock of the Goldfield were seen to be:

a shallow, SW-dipping, NE-verging, F1 foliation parallel to lithology, an early set of major NW-dipping (approximately 40°) brittle-fracture thrusts or ramp faults, and a younger (probably post-Tintina Gold Belt mineralisation) set of shallowly N-dipping thrust faults which often have a hanging wall (upper plate) of carbonaceous, siliceous phyllite which is correlated with the Nasina Formation.

This style of structural framework is considered favourable for the development of sub-horizontal mineralised structures having similar attitude and geometry to the Liese gold lodes of the Pogo deposit, in the western continuation of the Yukon-Tanana terrane in Alaska. The "footprint" of the Pogo deposit is of substantial size, in the order of at least 1 km<sup>2</sup> plan dimensions.

In addition, KSL, from its interpretation of regional data sets and including data on alluvial goldfields and hardrock deposits outside the Klondike Goldfield (e.g. Pogo, Longline), has developed a conceptual model of the geomorphological signature indicative of a major plumbing system.

## 2.2 District Geology

### Lithologies

The HIT claims are underlain by typical lithologies of the low grade Klondike Schist package (e.g. chlorite schist, quartz muscovite schist). It appears that chlorite-rich schists are more prevalent in this SE sector of the Klondike Goldfield and there is an apparent absence of Nasina-type carbonaceous schists.

Recording bedrock lithologies of soil sample sites has shown the quite widespread presence of vein quartz in this district. In addition, a locality with hornblende-biotite diorite has been noted.

### Structures

In the NW (Bonanza-Hunker Creek) district of the Goldfield, the F1 foliation, which parallels lithology, is predominately dipping SW. In the SE, in the HIT claim district we have no evidence to date whether this structural element is also prominent.

The claim block is bounded to the NE and SW by the sub-parallel, NW-trending creeks Gold Run and Sulphur, which are almost certainly major, probably vertical, fractures/faults. In addition, there are inferred N-striking vertical fractures (?mid-late Tertiary dykes) in the district. Inferred NW-dipping thrusts, a feature of the NW Goldfield, are possibly developed in the vicinity of this claim block, in the south adjacent to Sulphur Creek and along the borders of Gold Run Creek.

## 2.3 District Geophysics

The year 2000 Geological Survey of Canada airborne aeromagnetic/radiometric transect survey of the Stewart River Sheet did not cover these claims, but the area was scheduled to be covered by a follow-up survey in 2001, the results of which became available late 2002. KSL Yukon has not to date acquired this new data set.

The 1960's high-level aerial magnetic survey, however, clearly indicates a high magnetic feature extending on a NW-strike into the northern part of the HIT claim block from the lower reaches of Gold Run Creek.

# KSL Exploration (Yukon) Limited

## 3 PREVIOUS EXPLORATION

### 3.1 HIT Claim Block

The July 2001 public domain release of historic Assessment Reports provided interesting soil geochemical gold anomalies and locations for the Kentucky West vein locality and prospecting pits (Minfile 1150-132; Lueck and Davidson, 1988).

A summary of these gold anomalies and prospect workings were compiled in a previous KSL Yukon report (Adamson and Thomas, 2002).

The Minfile record (op.sit.) notes that historic records mention the presence of gold being carried by pyrite-quartz veinlets cross-cutting quartz ledges. It can be inferred that the latter sub-horizontal (?mesothermal) quartz veins are a brittle-fracture host, not the causative body for the gold mineralisation.

It should be noted that the Minfile record has a reference to an Assessment Report of another soil geochemical survey in this district (Southern, 94; Rept. No. 093219) which in July 2001 was not listed in the Department of Indian Affairs and Northern Development (DIAND) library records and thus was not accessible to KSL Yukon.

The 2001 exploration program carried out on these HIT claims by KSL Yukon is fully documented in Adamson and Thomas, 2002.

### 3.2 Strike Claim Block

There are no historic records in the DIAND library of previous exploration in the area of the Strike Claims. Initial soil geochemical surveys carried out by KSL Yukon in 2001 are reported in Adamson and Thomas, 2001.

## 4 SOIL GEOCHEMICAL SURVEY

### 4.1 MMI Geochemical Surveys

Previous Assessment Reports by KSL and KSL Yukon (Adamson and Thomas, 2000; 2001) have provided the background and results of orientation for the company using the Mobile Metal Ion (MMI) geochemical soil sampling method. This information is not repeated in this report. It is, however, worth noting that the initial results from the HIT claims provided in Adamson and Thomas, 2002 (Enclosures 2 and 3) provide a good test case for the validity of the method.

### 4.2 Design and Location of MMI Survey Lines

The major NW-dipping thrusts have been the major focus of MMI sample traverses in the NW Klondike Goldfield in conjunction with ridge and spur sampling. In the HIT claims, ridge and spur sampling has taken prominence with secondary lines at right angles to the major ridge.

The MMI sample lines (Enclosure 2) were designed to extend the previously identified 80# soil gold anomaly (Adamson and Thomas, 2002; Lueck and Davidson, 1988). The total number of samples taken were:

- HIT claims: 4 lines: 71 samples
- STRIKE claims: 1 line: 21 samples

# KSL Exploration (Yukon) Limited

## 4.3 Survey Procedures

It was decided to carry out the survey at 50m sample intervals and to continue to confine analyses to MMI Digest B for Au, Ag, Ni, Pd and Co. It was concluded that the "orientation-type" survey had shown little correlation of MMI gold and silver anomalies with gold pathfinder elements (arsenic, antimony, tellurium) or with bismuth, an inferred Tintina Gold Belt pathfinder. Analyses were undertaken by ALS-Chemex, Perth, Australia, an MMI-designated laboratory which provided significantly lower costs than XRAL Laboratories of Toronto which were used in 2001.

Field check samples were collected for every tenth sample, then numbered in sequence following the last sample of each traverse. On a routine basis XRAL Laboratories performed repeat MMI analyses at 12 and 16 sample intervals.

Field log sheets were utilised to record sample identity together with potentially relevant data on topography, soil conditions and identified rock fragments. All data was entered to a Soil Geochemical Master Ledger compiled in Excel spreadsheet format.

Sample positions were captured in the field as waypoint data in UTM coordinates using Garmin and Magellan CPS instruments. Following the US Government's removal of Selective Availability from GPS signals on 1 May 2000, fix accuracy and point recovery was tested and found to be +/- 2m in the Klondike Hills. GPS waypoint data were downloaded to computer files and incorporated to the Soil Geochemical Master Ledger. Printouts of the entire data for each traverse from the 2000 MMI Soil Geochemical Master Ledger are appended (APPENDIX I) and a digital copy is presented as LHLEDGER01.xls (Excel 97 Workbook) on the Diskette in APPENDIX III.

As well as Certificates of Analysis (see APPENDIX II) XRAL Laboratory supplied analyses in digital form. The digital assay data was incorporated to the Soil Geochemical Master Ledger.

## 4.4 MMI Data Presentation

To maximise the benefits from MMI analytical data, MMI Technology recommend that a background value be determined for each element, then a peak to background ratio (the "response ratio" or "RR") may be calculated for each element in each sample.

MMI Technology recommend use of response ratios to:

- reduce the effects of dissolution variables during extraction, e.g. time and temperature;
- allow splicing of different data batches or data from varying regolith situation;
- reduce the effects of sampling in different regolith units; and
- facilitate multi-element data presentations for interpretation.

### Determining the background:

- for each element, determine the lowest (25%) of the data for all the samples analysed in the survey area;
- values less than the detection limit are included in the dataset by substituting a value of half the detection limit;
- after determining the lowest quartile of the dataset, the average of those values is the BACKGROUND value for that element within that specific survey area.

# **KSL Exploration (Yukon) Limited**

## Calculating MMI Response Ratio:

Response ratios are calculated by dividing each sample value by the BACKGROUND value determined for that element. Results are rounded to whole numbers.

MMI Technology consider that a sample with a response ratio of 2 or less, is low and is a background sample. Samples with response ratios greater than 5 may be significant depending upon the regolith/landform characteristics of the area and the sample spacing. Due to the contrast inherent in the MMI technique, response ratios in general need to be greater than 2-5 times background before being considered "anomalous".

Using simple Excel procedures, background values for specific prospect areas were determined and the response ratios calculated for each of the elements reported by MMI analysis. Response ratios (R/R) for each traverse have been plotted as separate bar charts for:

Gold and silver (Side by side bar charts)

Cobalt, nickel and palladium (Composite bar charts)

Bar charts for MMI Response Ratios for Au & Ag, and Co, Ni & Pd for each traverse are presented as an Adobe Acrobat document (LHTRPLOT.pdf) on the diskette in Appendix III.

Response Ratio data was then imported to MapInfo tables for statistical analysis, location and plan plotting on anomalous data onto NTS map sheet raster images. A plan showing the locations of MMI gold anomalies are presented as Enclosure 2.

## **5 CONCLUSIONS**

### **5.1 HIT Claims**

The results of this survey provided no evidence for extension of surface gold anomalism to the NE and SE outside of the previously defined 80# soil anomaly. The anomaly at the northern end of line 11 correlates with a previous 80# soil anomaly. The anomaly at the southern end of line 10 may reflect continuity of strike between previously identified MMI anomalies (lines 6 and 8, Enclosure 2; Adamson and Thomas, 2002).

### **5.2 STRIKE Claims**

The single line located on the northern side of Gold Run Creek failed to provide any MMI anomalies.

# KSL Exploration (Yukon) Limited

## REFERENCES

- Adamson R.G. & Thomas C.M., 2000: Assessment Report, Klondike and Wedge Claim Blocks, Dawson Mining District, Unpub. Rept., Prepared for The Dawson Mining Recorder, Dawson City, Yukon Territory, by Klondike Source Limited.
- Adamson R.G. & Thomas C.M., 2001: Assessment Report for Renewal of KSL, Strike and Hit claims, NTS 115-O-10 and 115-O-15; Unpub. Rept., Prepared for The Dawson Mining Recorder by KSL Exploration (Yukon) Limited.
- Adamson, R.G. & Thomas, C.M., 2002: Assessment Report for Renewal of HIT Claims 47-83, NTS 115 O/10 and O/15. Unpub. report prepared for the Dawson Mining Recorder, Dawson City, Yukon Territory by KSL Exploration (Yukon) Limited.
- Lueck B. & Davidson G., 1988: Assessment Report on the Gold Run Ridge Property, NTS 115-O-10, Dawson Mining District; DIAND Library Document No. 092603.
- Mortensen J.K., 1996: Geological compilation map of the northern Stewart River map area, Klondike and Sixty Mile districts. Indian and Northern Affairs Canada, Yukon Region; Open File 1996-1(G).

# KSL Exploration (Yukon) Limited

## Claims Renewals

### HIT AND STRIKE CLAIM BLOCKS

## Expenditure Statement

### 1. Field Exploration Surveys

(Geology, geochemical sampling, GPS: 2002/08/27 – 2002/09/06)

- Strike: 2002/8/15
- Hit: 2002/8/16 – 2002/8/26

#### 1.1 Field Personnel

A & P Ledwidge

(Doyle Gold Consulting) 6 days @ \$825/day\* \$4,950

#### 1.2 Planning and Reporting

(R.G. Adamson and C.M. Thomas) 2.5 days @ \$700/day \$1,750

### 2. Analytical Costs

71 samples @ \$20/ sample \$1,420

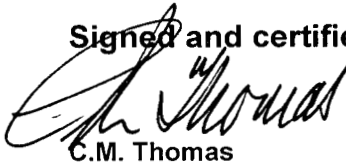
### 3. Freight Costs

\$70

\$8,190

- Doyle Gold Consulting fixed price/day includes geologists daily rate, vehicle rental and fuel, insurance and communications.

Signed and certified



C.M. Thomas

Director

28/01/03 94355

# KSL Exploration (Yukon) Limited

## AUTHORS' PROFESSIONAL STATEMENTS

**Robert G Adamson** *MSc(Hons) MAusIMM MMICA CPGeo*  
*Consulting Economic Geologist*  
NSW BUSINESS REGISTRATION NO: T9382710

95 Fox Valley Road, Wahroonga NSW 2076, Australia  
Telephone +61 2 9489 8217 Facsimile +61 2 9489 0914  
Cellphone & Voicemail +61 402 073 609 E-mail adamsonr@ozemail.com.au

I, **Robert Gerard Adamson** declare that I am co-author of the report entitled "Assessment Report for Renewal of Klondike, Bear and Wedge Claims, Bonanza Creek District, NTS 115-O-14 and 116-B-03, Dawson Mining District" dated June, 2001.

My professional experience comprises some thirty years in the practice of economic geology in a range of precious and base metal deposit types. I have worked primarily in Australia, New Zealand, southern Africa and northern Canada in a variety of senior professional and management positions with major mining houses, private and stock exchange listed companies. Since 1994 I have been practising as an independent consultant in economic geology.

I hold the degrees of BSc and MSc (First Class Honours in Geology).  
I am a Member of the Australasian Institute of Mining & Metallurgy (30 years membership) and of the Mining Industry Consultants Association (Australia) (6 years membership).  
I was admitted to the status of Chartered Practising Geologist (AusIMM) in February 2000.



January 24, 2003

Signed

.....

# KSL Exploration (Yukon) Limited

**Colin M. Thomas**, B.Sc.(Hons)

*trading as Poduta Pty Limited, ABN 97 087 891 325  
and Director of RobSearch Australia Pty Limited,  
Independent Consultants: Natural Resources;  
Safety and Environment Risk Management*

36 Glover Street, Mosman, NSW, 2088 Australia  
Telephone: (612) 9953 6791  
Cellphone: 0417 805 975

I, **Colin Maguire Thomas** declare that I am co-author of the report entitled "Assessment Report for Renewal of Klondike, Bear and Wedge Claims, Bonanza Creek District, NTS 115-O-14 and 116-B-03, Dawson Mining District" dated June 2001.

I graduated with 2nd Class (Div.1) Honours in Geology from the University of St Andrews, Scotland in 1960.

I have 40 years professional experience, initially (1961-1970) with the Tanzania and Botswana Geological Surveys, and since then as staff geologist and chief minerals geologist with Robertson Research Australia and its successor company RobSearch Australia Pty Limited.

I have specialised in regional and district geological studies for precious and base metals, uranium and diamonds. I have undertaken consulting assignments for mining and exploration companies throughout Australia, New Zealand, Indonesia, Iran, India and several African Countries.

I am a founding Director of Klondike Source Limited.

Signed



C M Thomas

January 24, 2003

**APPENDIX I**

## ABBREVIATIONS FOR GEOCHEMICAL & GEOLOGICAL NOTATIONS

<u>LAND FORM</u>	<u>STATE</u>	<u>COLOUR</u>	<u>SOIL COMPOSITION</u>	<u>ROCKS</u>
F Flat	W Wet	o Orange	cl clayey	s schist
S 0-5 deg slope	f Frozen	y Yellow	si silty	qte quartzite
S+ 5-10 deg slope	pf Partly frozen	r Red	s sandy	por porphyry
S++ >10 deg slope	org Organic, roots etc.	b Brown	gr gritty	gd granodiorite
R Ridge top	sk Skeletal	g Grey	gv gravelly	
V Valley floor	a a-horizon	blk Black	r fg rock fragments	q quartz
	b b-horizon			f feldspar
	c c-horizon			m muscovite
		<u>OTHER</u>		ser sericite
		n/s no sample		b biotite
		n/a not applicable		c chlorite
				p pyrite
				carb carbonaceous
				qv vein quartz
				met metamorphic
				meso mesothermal
				ox oxidised
				lim limonitic
				hem hematitic
				mt magnetite
				tr trace
				ptly partly

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRAVERSE LH 10 GRANDVILLE 1:50,000 115-0/10

Sampled: Aug 22/02 By: AL, PL  
Sample Interval (m): 50

Scheme Code  
Analysis Unit  
Detection Limit

Au MMI-B ppb  
Co MMI-B ppb  
Ni MMI-B ppb  
Pd MMI-B ppb  
Ag MMI-B ppb

K4037	610535.6	7069515	1044	s++	25		rb	si, cl	qms, ox p			-0.1	11.9	29	0.4	2.8
K4038	610552.9	7069565		s++	30	w, org	b, gb	gr, si, cl	qms, qv			1.5	44	265	0.8	23.5
K4039	610568.8	7069610		s++	45	w, org	b, gb	si, cl	qms			0.4	24.2	137	0.9	7.5
K4040	610582.9	7069655		s++	35	w, org	b	gr, si, cl	qms			-0.1	40	66	0.7	10.1
K4041	610603	7069701	962	s++	40	w, org	b, gb	si, cl	qms			-0.1	35.1	43	0.8	3.5
K4042	610616.7	7069750		s++	50	w, org	b, gb	si, cl	qms			-0.1	51.1	85	0.7	4
K4043	610627.5	7069805		s++	50	w, org	b, gb	gr, si, cl	qms			-0.1	19.3	29	0.5	3.2
K4044	610642.6	7069848		s++	40	w, org	b	gr, si, cl	qms			-0.1	15.1	69	0.4	5.7
K4045	610656.5	7069900	885	s++	40	w, org	b	gr, si, cl	qms, qv			-0.1	162	52	-0.1	2.8
K4046	610676	7069946		s++	40	org	b, gb	si, cl				-0.1	41.4	173	0.2	5.8
K4047	610690.3	7070001		s++	30	w	b, gb	gv, si, cl	cs, qms	interbanded		0.2	21.8	109	0.3	16.2
K4048	610703.8	7070045	851	s+	25	org	b	cl				-0.1	7.24	18	-0.1	2.2

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRVERSE LH 11 GRANDVILLE 1:50,000 115°0'10"

Sampled: Aug 26/02

By: AL PL

Sample Interval (m): 50

Scheme Code  
Analysis Unit  
Detection Limit

Au  
MMI-B  
ppb

Co  
MMI-B  
ppb

Ni  
MMI-B  
ppb

Pd  
MMI-B  
ppb

Ag  
MMI-B  
ppb

K4074	611623	7068470	954	f	15	org	rb	gv,gr,cl	qsers,blue q eyes			-0.1	8.36	103	0.6	7.7
K4075	611663.8	7068493		s	20		rb	si,cl	qms, qv			-0.1	6.16	38	0.3	10.4
K4076	611704.5	7068521		s+	30	org	rb	si, cl	qms,blue q eyes	meta-intrusive		-0.1	5.06	35	0.2	11.7
K4077	611752.7	7068544		s+	20		yb	si, cl	qms			-0.1	12.9	49	0.2	15.6
K4078	611794	7068569	919	s++	25		yb	si,cl	qms, qv			-0.1	16.6	38	0.4	6.3
K4079	611833.8	7068599		s+	25		yb	gv,si,cl	qms			-0.1	21.7	32	0.3	4
K4080	611878.4	7068627		s+	25	org	yb	si,cl				-0.1	20.6	32	0.3	10.1
K4081	611918.4	7068649		s+	30		yb	si,cl				-0.1	20	44	0.3	7.6
K4082	611962.1	7068679	868	s+	30	org	yb	si,cl				0.1	31.8	51	0.4	8.8
K4083	612008.5	7068703		s++	25		yb	gv,si,cl	qms			-0.1	31.7	30	0.4	5.4
K4084	612048.3	7068726		s+	15	org	gb	si,cl	qv,qms	interbanded		-0.1	30.7	66	0.2	12.1
K4085	612090.4	7068757		s+	20		yb	gr,si,cl	qv,p ox			-0.1	49.1	26	0.3	7.3
K4086	612132.9	7068785	814	s	40	w	gb,b	gv,gr,si,cl	qms			-0.1	51.9	25	0.2	2.5
K4087	612174	7068805		s+	30		gb	si,cl	qms,ox			0.1	77.9	96	0.4	7.1
K4088	612215.4	7068835		s++	50	w,pf,org	gb	si,cl	qms			-0.1	69.5	41	0.2	4.8
K4089	612259	7068862		s++	50	w	b,gb	si,cl	qv,qms			-0.1	9.08	12	-0.1	1.4
K4090	612301.3	7068888	758	s++	80	f,org	gb	si,cl				-0.1	26.5	22	0.3	1.1
K4091	612344.8	7068915		s+	25	w	yb	si,cl	carb s			0.3	23.6	33	0.3	5.1
K4092	612388.9	7068935	735	s+	25	w,org	yb	gv,gr,si,cl	qv, qms			0.4	31.7	52	0.3	14.9

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRaverse LH 12 GRANDVILLE 150000 115010

Sampled: Aug 23/02

By: AL PL

Sample Interval (m): 50

Scheme Code  
Analysis Unit  
Detection Limit

Au MMI-B  
Co MMI-B  
Ni MMI-B  
Pd MMI-B  
Ag MMI-B

K4049	612343.9	7069692	861	s	15		rb	si,cl				-0.1	8.5	16	-0.1	3.4
K4050	612381.4	7069725		s+	20		yb	si,cl	qte,m			-0.1	15.5	43	-0.1	2.6
K4051	612419.8	7069756		s	15		yb	gv,gr,si,cl	qte,m			-0.1	17.2	47	-0.1	4
K4052	612459.2	7069789		s+	20	org	yb	gr,si,cl	qte,m, weathered			-0.1	37.6	40	0.1	1.6
K4053	612497	7069815	840	s+	30	w	yb	gr,si,cl	qte,m, weathered	v green,fg clorite		-0.1	49.8	44	0.1	2.2
K4054	612536.4	7069846		s+	15		yb	si,cl	qte,m, ox	v green,fg clorite		-0.1	49.9	75	0.2	2.1
K4055	612578	7069876		s+	15	org	b,gb	si,cl	qv,qms,ox	v green,fg clorite		-0.1	37.1	23	0.1	0.8
K4056	612615.4	7069905		s++	35	w,org	yb,b	gv,gr,si,cl	qms			-0.1	34.1	73	0.2	3.1
K4057	612660	7069940	797	s+	20		ob,gb	si,cl				-0.1	19.1	53	0.1	1.3
K4058	612695.1	7069968		s+	40	w,org	b,gb	cl		frozen in area		-0.1	8.15	20	-0.1	0.3
K4059	612733.9	7070001		s+	35	w,org	yb,b	cl				-0.1	28.3	65	-0.1	1.3
K4060	612777.6	7070026		s+	40	w,org	b,gb	cl		beside draw		-0.1	10.2	62	0.1	0.4
K4061	612812.8	7070064	755	s+	30	org	yb	cl,si				-0.1	16.1	53	0.1	0.7
K4062	612853.8	7070096		s+	25	org	yb	si,cl				-0.1	34.9	50	-0.1	1.8
K4063	612893.6	7070123		s	35	org	yb,b	si,cl				-0.1	32.3	137	0.3	3.1
K4064	612933.5	7070156		s	35	w,org	yb,b	si,cl				-0.1	24.8	84	0.2	2.1
K4065	612972.8	7070191	727	s	35	w,org	b,yb	si,cl				-0.1	21.4	142	0.3	1.5
K4066	613006.9	7070216		s	30	w,org	gb,b	cl				-0.1	22.7	183	0.6	2.4
K4067	613050.7	7070242		s	25	w,org	b,gb	si,cl				-0.1	10.6	201	0.4	1.8
K4068	613086.9	7070283		s	25	w,org	b,gb	si,cl				-0.1	5.45	112	0.2	1.5
K4069	613126.4	7070312	697	s	35	w,org	gb,b	si,cl				-0.1	27.6	391	0.5	5.5
K4070	613163	7070342		s	35	w,org	gnb	cl				-0.1	40.3	528	0.6	8
K4071	613201.6	7070379		s	35	w,org	gnb	cl				-0.1	48.6	601	0.9	6
K4072	613243.6	7070406		s	35	w,org	gb	cl				-0.1	19.7	525	0.6	4.5
K4073	613282	7070436	676	s	40	org	gb	si,cl				-0.1	19.7	525	0.6	4.5

Sample PL2002-02 taken across Gold Run Creek and downstream from this line (at old mine cut). QV hosted in ultramafics.

Ch:K4053	K4053											-0.1	49.8	44	0.1	2.2
Ch:K4063	K4063											-0.1	54.9	49	0.1	3.5
Ch:K4073	K4073											-0.1	41	59	0.3	1
Ch:K4073	K4073											-0.1	36.6	52	0.3	1
Ch:K4073	K4073											-0.1	19.7	525	0.6	4.5
Ch:K4073	K4073											-0.1	17.7	479	0.5	4

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRAVERSE LH 13 GRANDVILLE 1:50:000 115:0/10

Sampled: Aug 16/02 By: AL, PL  
 Sample Interval (m): 50

Scheme Code  
 Analysis Unit  
 Detection Limit

Au MMI-B ppb  
 Co MMI-B ppb  
 Ni MMI-B ppb  
 Pd MMI-B ppb  
 Ag MMI-B ppb

K4022	612390.5	7070669	857	f	15		rb	si,cl	qms	on ridge
K4023	612421.4	7070715		s	20		rb,gb	si,cl		
K4024	612452.7	7070752		s+	20	org	b,gb	si	qv,qms	
K4025	612488.2	7070788		s++	20		b,yb	s,si	qms,ox	
K4026	612521.3	7070825	820	s++	15	org	ob,gnb	s,si,cl	cs,qv	
K4027	612556.3	7070862		s++	20		gnb	gr,si,cl	cs	
K4028	612589.4	7070899		s+	20		yb	gv,gr,cl	qte m,lim,p	
K4029	612629.1	7070930		s++	20	org	yb	si,cl	qms	
K4030	612661.7	7070968	757	s++	20	org	gb,yb	s,si	qv hem,qms	
K4031	612699.4	7071003		s++	20		yb	gv,s,si	qms	
K4032	612732	7071040		s++	20		yb	gv,cl,si	cs	
K4033	612767.8	7071076		s++	20		yb	gv,s,si,cl	ms	beside draw
K4034	612802.5	7071112	704	s+	20		b	gr,si,cl	qv,cs,qms	PL2002-01
K4035	612833.8	7071149		s+	15	w	yb	gr,si,cl	qms,lim	
K4036	612865.8	7071188	680	s+	15	w,org	yb	si,cl	qms	

K4029 -0.1 17.1 11 0.3 0.7  
 Ch:K4029 -0.1 18.9 11 0.4 0.8

SAMPLE No	GPS W/PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							

TRAVERSE LS 7 GRANDVILLE 50,000 15-0/10  
 Sampled: Aug 15/02 By: AL PL  
 Sample Interval (m): 50

Scheme Code  
 Analysis Unit  
 Detection Limit

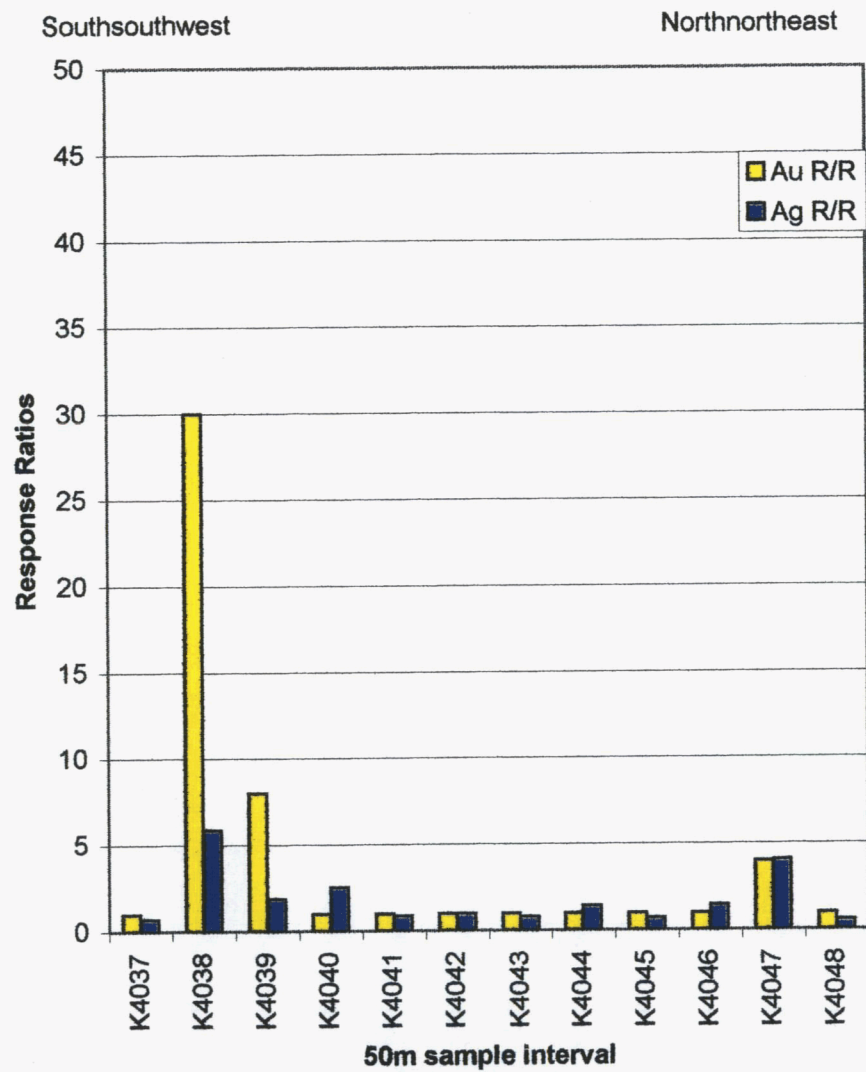
Au MMI-B  
 Co MMI-B  
 Ni MMI-B  
 Pd MMI-B  
 Ag MMI-B

SAMPLE No	GPS W/PT	EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Au MMI-B	Co MMI-B	Ni MMI-B	Pd MMI-B	Ag MMI-B
K4001		610826.6	7074016	727	s	15		yb	cl,si	qv	on ridge	-0.1	16.2	20	0.2	1.1
K4002		610827.5	7074068		s	25	w	b,yb	cl,si	qv		-0.1	26.5	80	0.3	1.5
K4003		610833.6	7074119		s	15	w	yb	cl,si	qv,qms		-0.1	14.9	46	0.3	0.6
K4004		610832.9	7074169		s	20	w	yb	s,si	qte, 1mm euhedral p		-0.1	15	44	0.2	2.3
K4005		610836	7074217	764	s	15		ob	s,si	qv,qms,p	5m below road	-0.1	25.1	32	0.3	1.1
K4006		610837.1	7074266		s	15		gb,yb	cl,si			-0.1	12.4	41	0.2	4.4
K4007		610838.4	7074322		s	20		gb,ob	s,si	qte		-0.1	16.2	24	0.2	4.6
K4008		610837.3	7074366		s	15		ob	cl,si	qv (bull),qms, ox		-0.1	10.3	44	0.2	7.6
K4009		610842.3	7074413	796	s	20	w	yb	s,si,cl	qv (bull),qms		-0.1	12	23	0.2	4.6
K4010		610844.6	7074469		s	20		ob,gb	cl,si	qms, ox		-0.1	11.4	14	0.1	2.4
K4011		610842.4	7074515		s	25	org	b,yb	cl,si,s			-0.1	10.8	5	-0.1	0.4
K4012		610843.2	7074569		s	10		gb,yb	si,s	qv,q (bull)		-0.1	7.07	7	-0.1	1.2
K4013		610847.5	7074618	813	s	20		yb,gb	si,cl	qv (bull)		-0.1	13.5	18	0.2	9.6
K4014		610847.5	7074671		s	15	sk	gb,yb	gr,cl	qsers		-0.1	11.8	27	0.2	3.9
K4015		610845.9	7074723		s	10	org	b	si,cl	cs		-0.1	7.04	24	0.1	3.6
K4016		610851.2	7074768		s	15		ob,gb,rb	gr,si,cl	qms,qv + hem		-0.1	6.62	11	0.2	1.7
K4017		610849.2	7074817	842	s	15	sk	yb	gr,cl	qms,p		-0.1	13.6	8	0.2	0.3
K4018		610853.2	7074869		f	15	sk	gb,ob	s	serqs		-0.1	15.5	8	0.2	1.8
K4019		610853.9	7074925		s	25	org	yb,gb	si,cl	qms, ox		-0.1	29.5	11	0.3	2.1
K4020		610858.2	7074968		s	20	sk	yb	gr,si	qv,qms,ox		-0.1	13.4	33	0.3	5.5
K4021		610850.1	7075016	867	s	20	org	b	cl,si	qv,qv + hem		-0.1	7.69	13	0.3	2.9
Ch:K4009												-0.1	12	23	0.2	4.6
Ch:K4019												-0.1	13.3	26	0.3	4.2
Ch:K4019												-0.1	29.5	11	0.3	2.1
Ch:K4019												-0.1	33.5	15	0.4	2.3

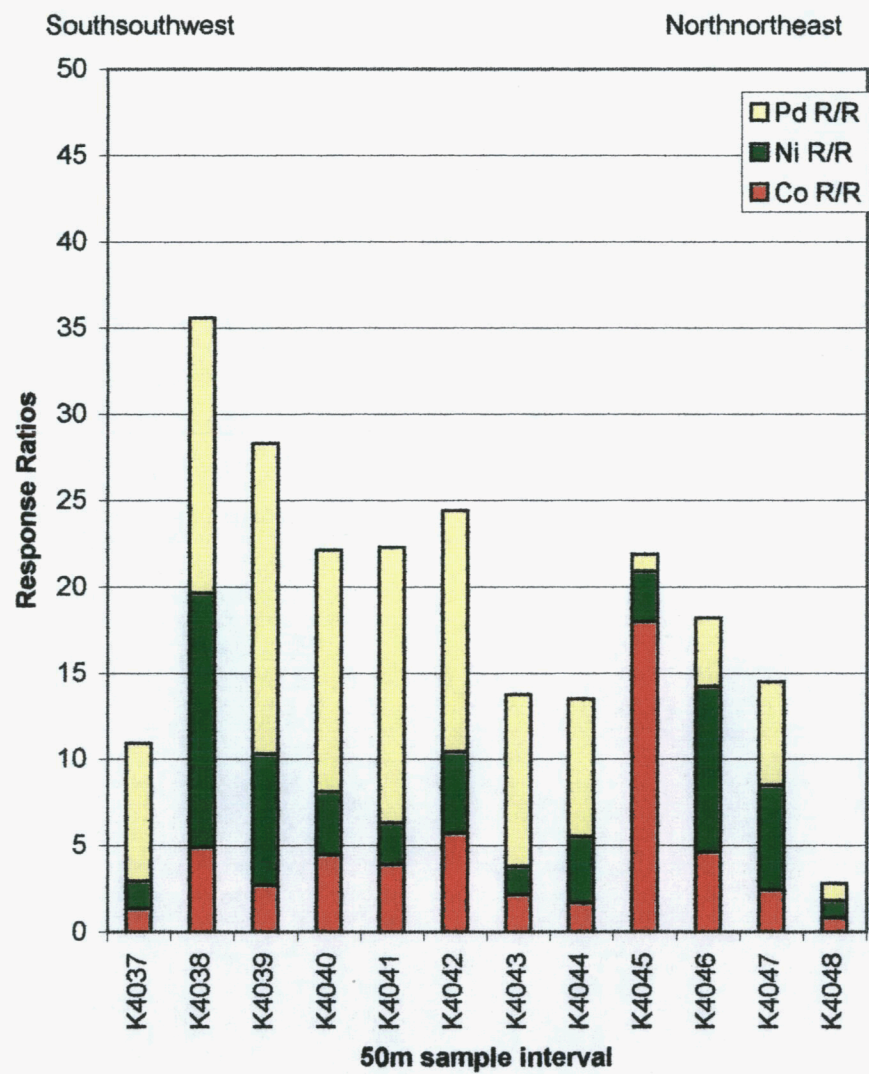
**KSL Exploration (Yukon) Limited**

**APPENDIX II**

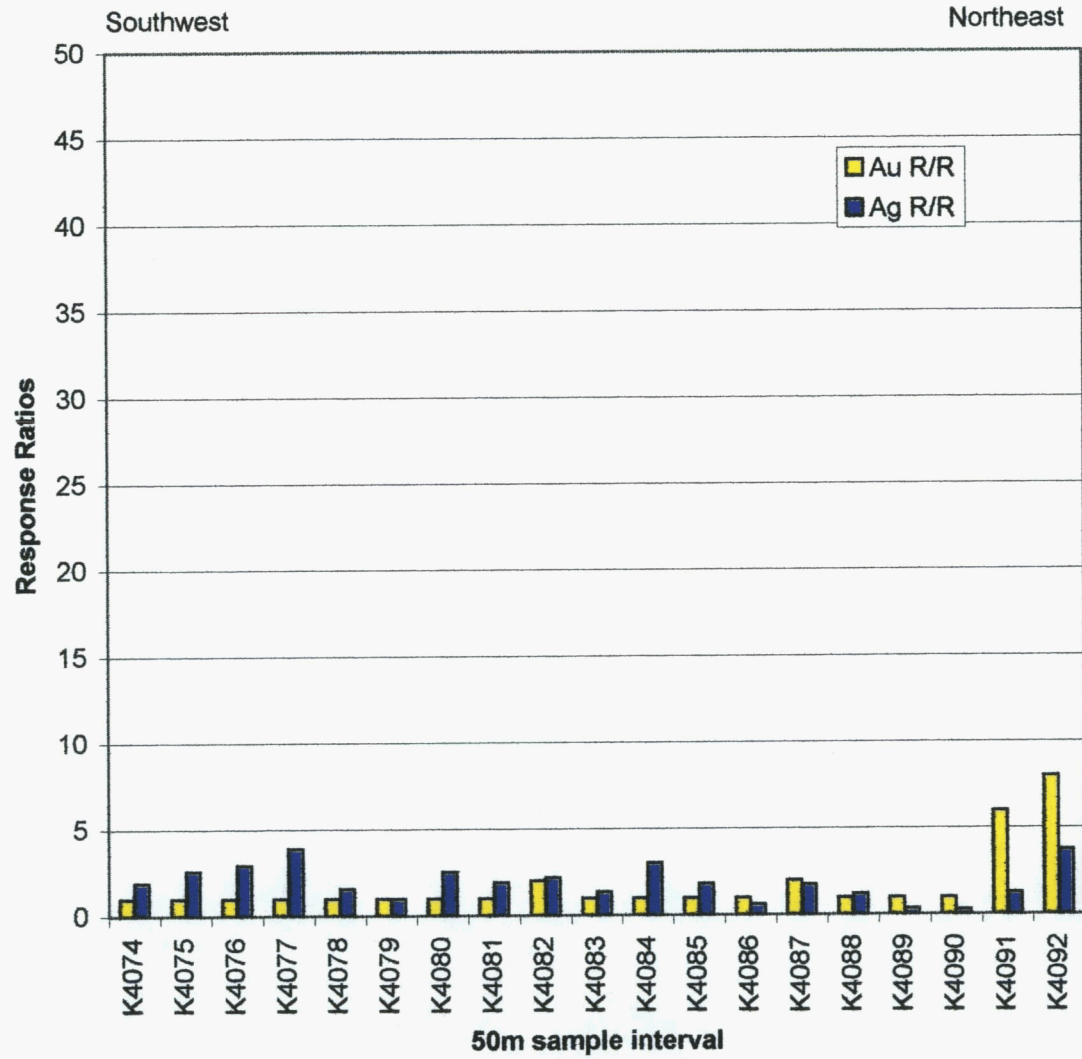
### MMI TRAVERSE LH 10



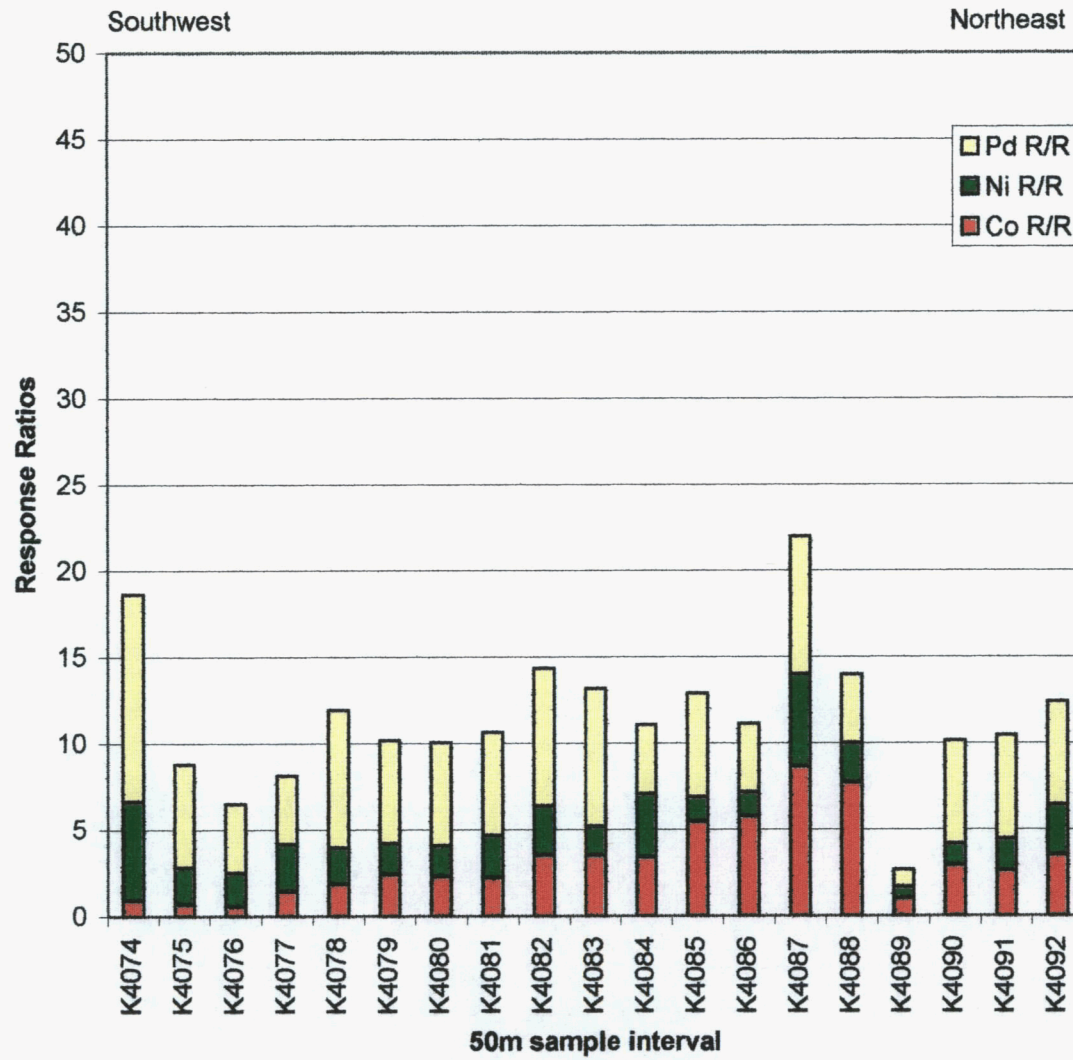
### MMI TRAVERSE LH 10



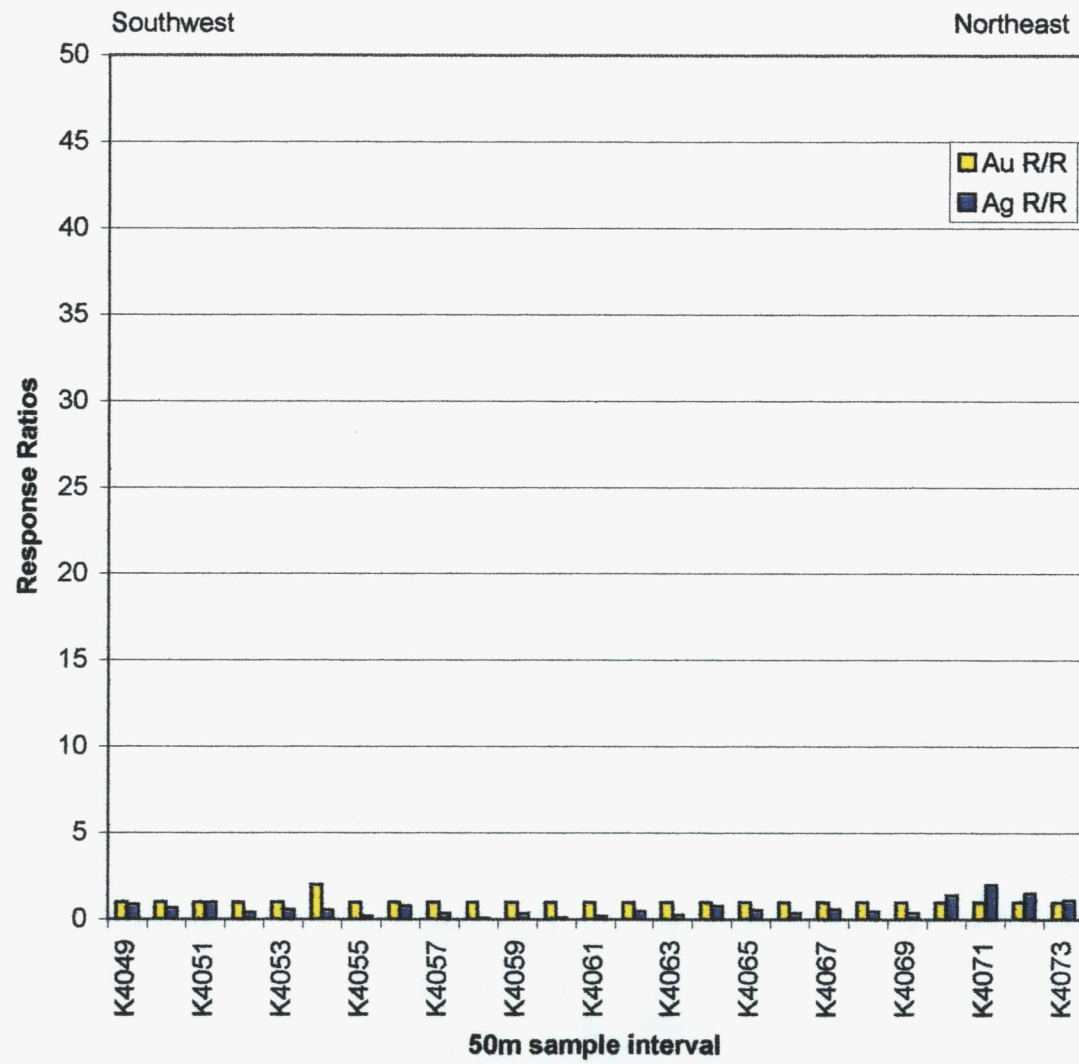
# MMI TRAVERSE LH 11



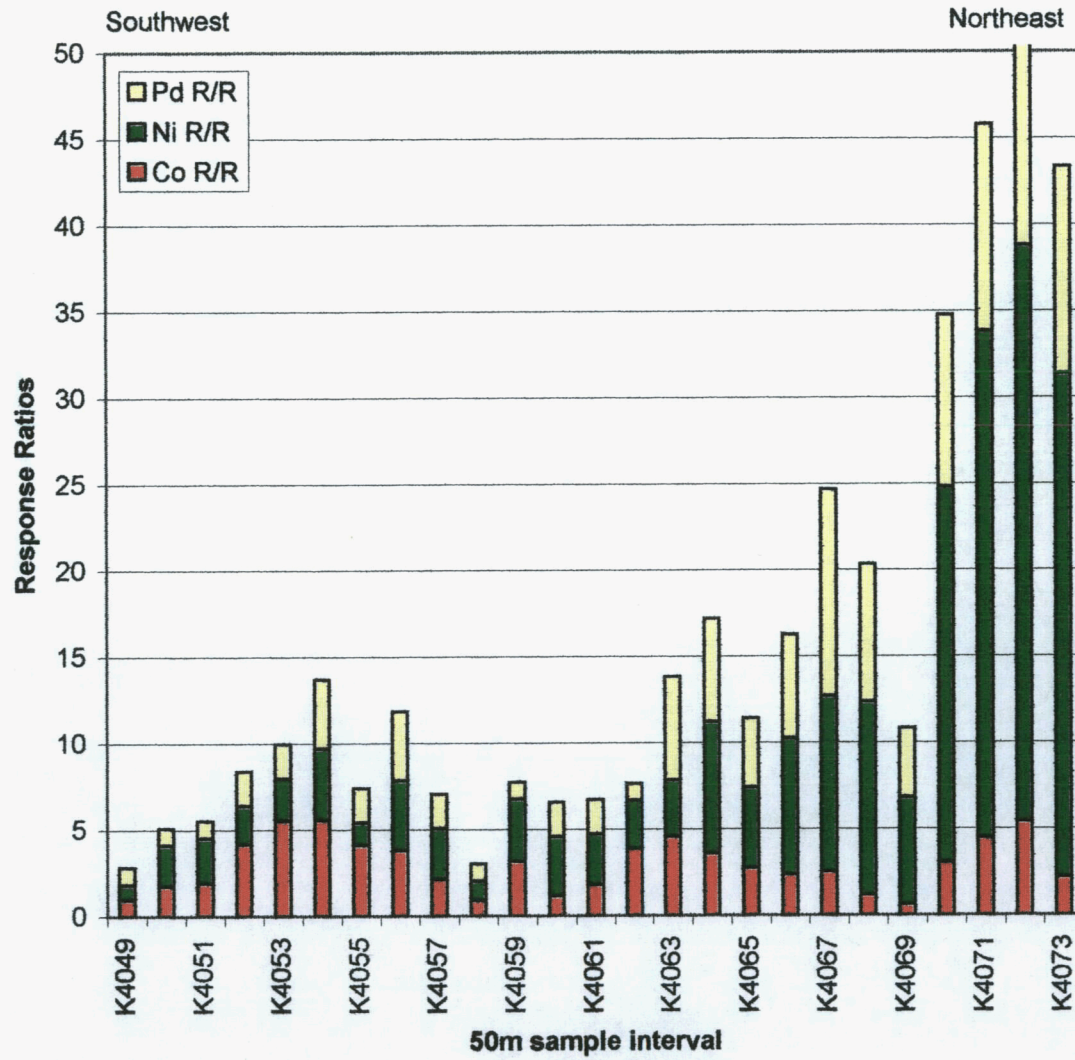
### MMI TRAVERSE LH 11



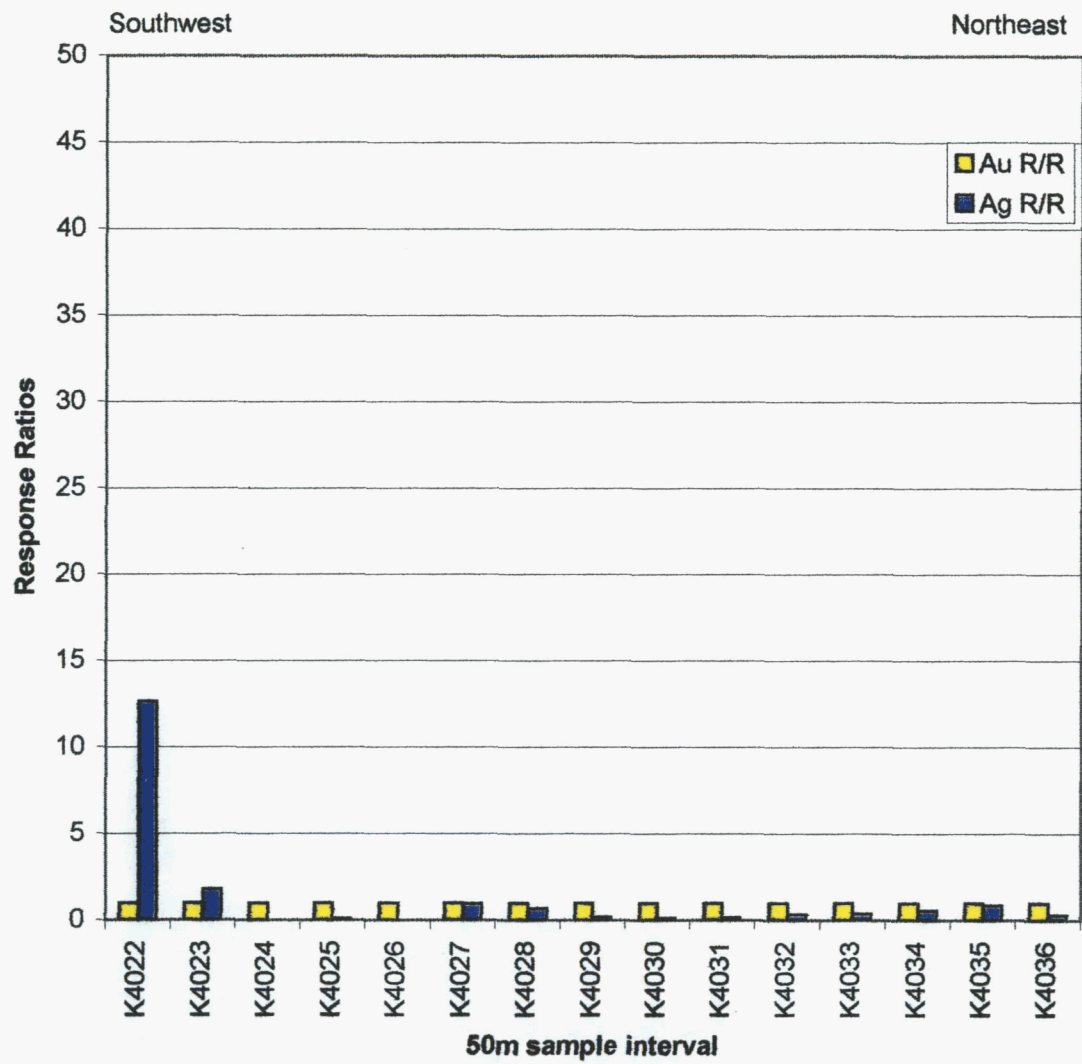
### MMI TRAVERSE LH 12



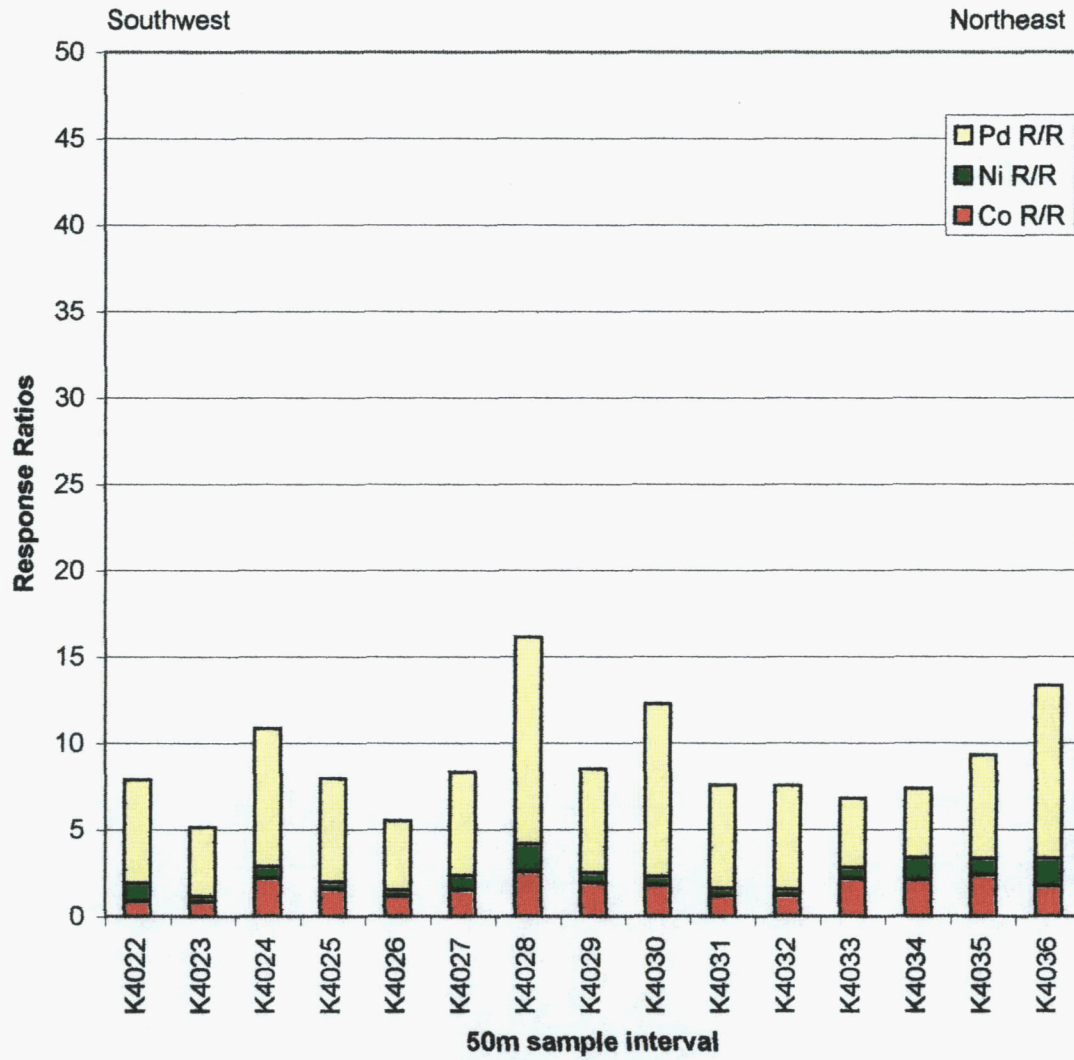
### MMI TRAVERSE LH 12



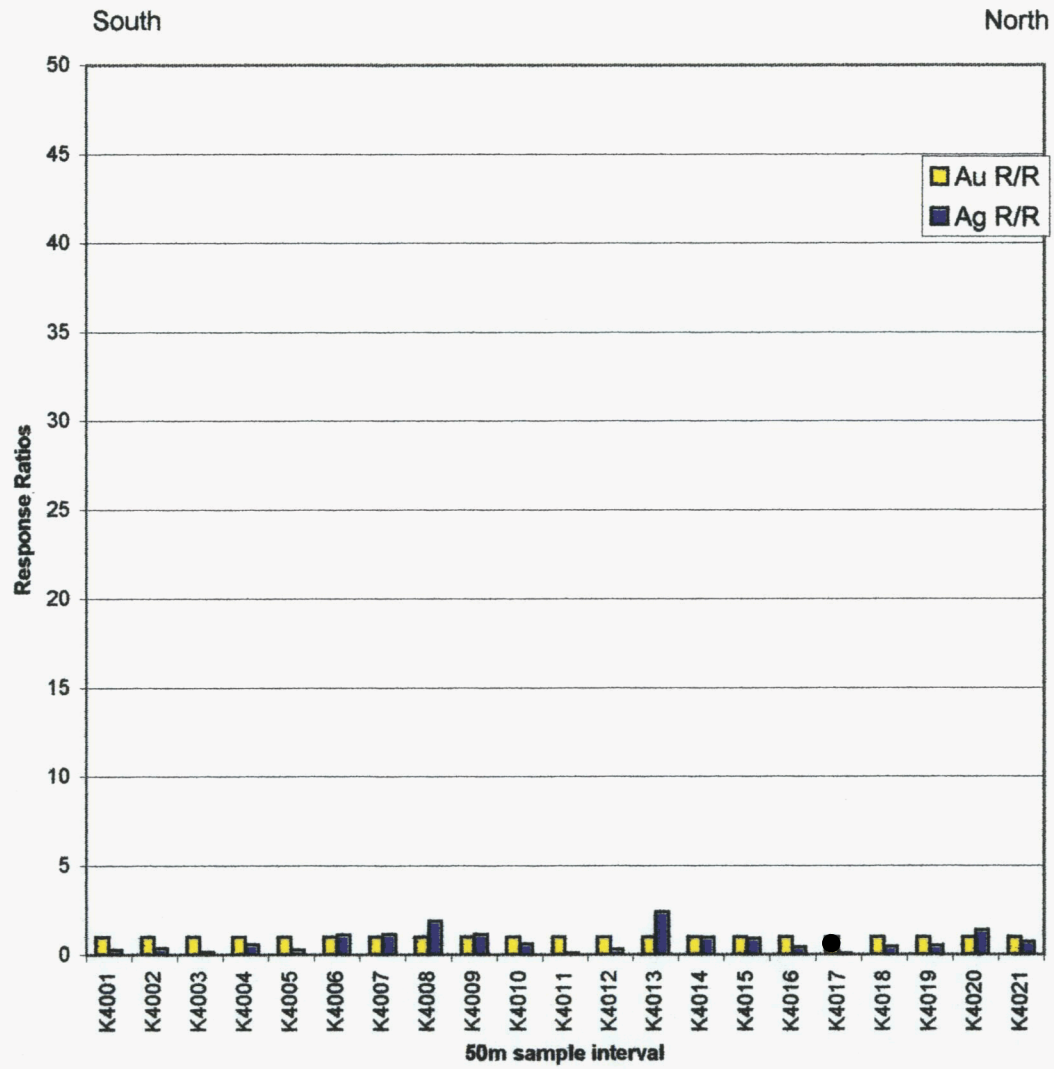
### MMI TRAVERSE LH 13



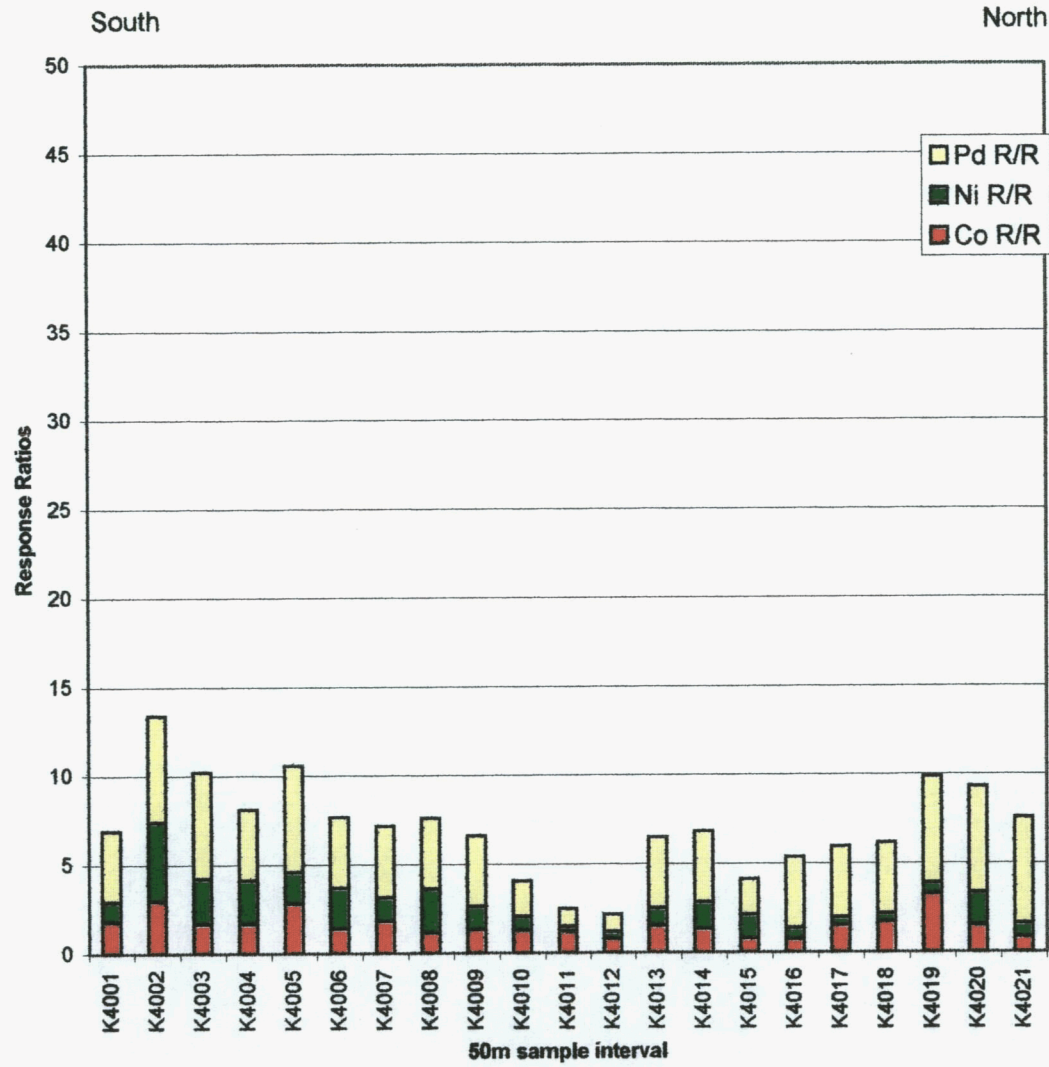
### MMI TRAVERSE LH 13



# MMI TRAVERSE LS 7



### MMI TRAVERSE LS 7



**APPENDIX III**

# CERTIFICATE OF ANALYSIS



**ALS Chemex**

Batch: PH20126  
Sub Batch: 0

CONTACT: MR COLIN THOMAS  
CLIENT:  
ADDRESS: KLONDIKE SOURCE LTD  
11 LEVEL, 80 ARTHUR STREET  
NORTH SYDNEY 2060

LABORATORY: PERTH  
DATE RECEIVED: 03/10/2002  
DATE COMPLETED: 11/10/2002  
SAMPLE TYPE: SOIL  
No. of SAMPLES: 242

ORDER No.: FAX

PROJECT:

## COMMENTS

## NOTES

This is the Final Report and supersedes any preliminary reports with this batch number.  
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

## ISSUING LABORATORY: PERTH

**Address**  
31 Denninup Way  
Malaga WA 6062  
Australia

**Phone:** 61-8-9249 2988  
**Fax:** 61-8-9249 2942  
**Email:** wayne.abbott@alschemex.com

Signatory

## LABORATORIES

### AUSTRALIA

Brisbane Orange  
Alice Springs Perth  
Kalgoorlie Townsville

### NORTH AMERICA

Vancouver Fairbanks Thunder Bay  
Chihuahua Guadalajara Toronto  
Elko Reno

### SOUTH AMERICA

Santiago Calama  
Antofagasta Copiapo  
Arequipa Lima

### AFRICA

Mendoza  
Quito  
Mwanza

Batch: PH20126

Sub Batch: 0

Date of Issue: 11/10/2002

Client:

Client Reference:

## CERTIFICATE OF ANALYSIS



SAMPLE	Element	Ag	Co	Ni	Pd	Au							
	Unit Method	ppb ME-MS10	ppb ME-MS10	ppb ME-MS10	ppb ME-MS10	ppb ME-MS10							
	LOR	0.1	0.25	3	0.1	0.1							
K4001		1.1	16.2	20	0.2	<0.1							
K4002		1.5	26.5	80	0.3	<0.1							
K4003		0.6	14.9	46	0.3	<0.1							
K4004		2.3	15.0	44	0.2	<0.1							
K4005		1.1	25.1	32	0.3	<0.1							
K4006		4.4	12.4	41	0.2	<0.1							
K4007		4.6	16.2	24	0.2	<0.1							
K4008		7.6	10.3	44	0.2	<0.1							
K4009		4.6	12.0	23	0.2	<0.1							
K4010		2.4	11.4	14	0.1	<0.1							
K4011		0.4	10.8	5	<0.1	<0.1							
K4012		1.2	7.07	7	<0.1	<0.1							
K4013		9.6	13.5	18	0.2	<0.1							
K4014		3.9	11.8	27	0.2	<0.1							
K4015		3.6	7.04	24	0.1	<0.1							
K4016		1.7	6.62	11	0.2	<0.1							
K4017		0.3	13.6	8	0.2	<0.1							
K4018		1.8	15.5	8	0.2	<0.1							
K4019		2.1	29.5	11	0.3	<0.1							
K4020		5.5	13.4	33	0.3	<0.1							
K4021		2.9	7.69	13	0.3	<0.1							
K4022		50.6	7.72	19	0.3	<0.1							
K4023		7.2	7.37	6	0.2	<0.1							
K4024		<0.1	19.8	12	0.4	<0.1							
K4025		0.4	13.8	8	0.3	<0.1							
K4026		<0.1	10.7	6	0.2	<0.1							
K4027		3.8	13.6	15	0.3	<0.1							
K4028		2.7	23.0	29	0.6	<0.1							
K4029		0.7	17.1	11	0.3	<0.1							
K4030		0.5	16.0	9	0.5	<0.1							

Batch: PH20126  
 Sub Batch: 0  
 Date of Issue: 11/10/2002  
 Client:  
 Client Reference:

# CERTIFICATE OF ANALYSIS



SAMPLE	Element	Ag	Co	Ni	Pd	Au							
	Unit Method LOR	ppb ME-MS10 0.1	ppb ME-MS10 0.25	ppb ME-MS10 3	ppb ME-MS10 0.1	ppb ME-MS10 0.1							
K4031		0.6	10.5	8	0.3	<0.1							
K4032		1.4	10.5	7	0.3	<0.1							
K4033		1.5	19.4	12	0.2	<0.1							
K4034		2.2	18.8	23	0.2	<0.1							
K4035		3.5	21.5	17	0.3	<0.1							
K4036		1.2	15.5	29	0.5	<0.1							
K4037		2.8	11.9	29	0.4	<0.1							
K4038		23.5	44.0	265	0.8	1.5							
K4039		7.5	24.2	137	0.9	0.4							
K4040		10.1	40.0	66	0.7	<0.1							
K4041		3.5	35.1	43	0.8	<0.1							
K4042		4.0	51.1	85	0.7	<0.1							
K4043		3.2	19.3	29	0.5	<0.1							
K4044		5.7	15.1	69	0.4	<0.1							
K4045		2.8	162	52	<0.1	<0.1							
K4046		5.8	41.4	173	0.2	<0.1							
K4047		16.2	21.8	109	0.3	0.2							
K4048		2.2	7.24	18	<0.1	<0.1							
K4049		3.4	8.50	16	<0.1	<0.1							
K4050		2.6	15.5	43	<0.1	<0.1							
K4051		4.0	17.2	47	<0.1	<0.1							
K4052		1.6	37.6	40	0.1	<0.1							
K4053		2.2	49.8	44	0.1	<0.1							
K4054		2.1	49.9	75	0.2	0.1							
K4055		0.8	37.1	23	0.1	<0.1							
K4056		3.1	34.1	73	0.2	<0.1							
K4057		1.3	19.1	53	0.1	<0.1							
K4058		0.3	8.15	20	<0.1	<0.1							
K4059		1.3	28.3	65	<0.1	<0.1							
K4060		0.4	10.2	62	0.1	<0.1							

Batch: ██████████ PH20126  
 Sub Batch: ██████████ 0  
 Date of Issue: 11/10/2002  
 Client:  
 Client Reference:

# CERTIFICATE OF ANALYSIS



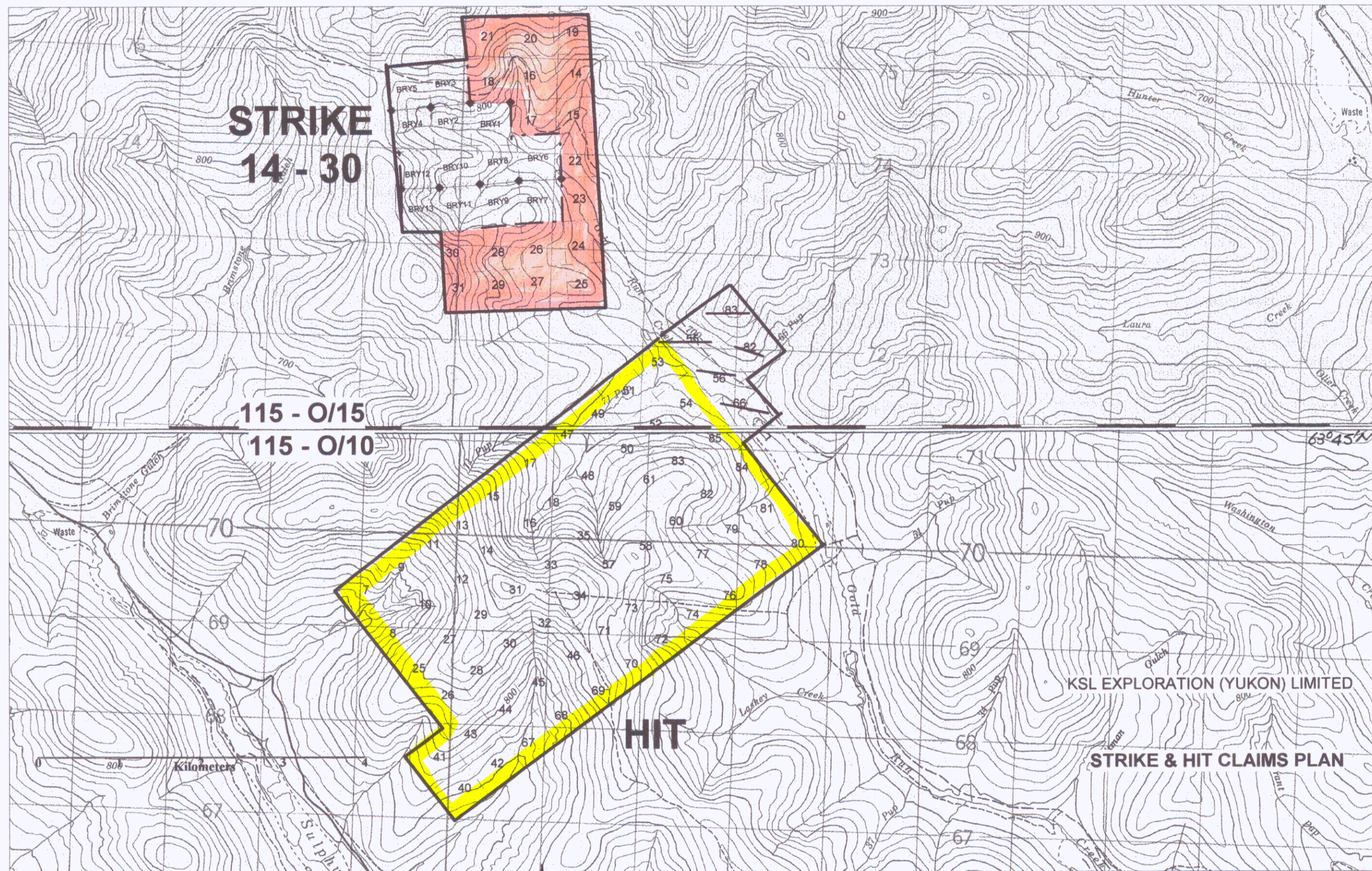
SAMPLE	Element	Ag	Co	Ni	Pd	Au							
	Unit Method LOR	ppb ME-MS10 0.1	ppb ME-MS10 0.25	ppb ME-MS10 3	ppb ME-MS10 0.1	ppb ME-MS10 0.1							
K4061		0.7	16.1	53	0.1	<0.1							
K4062		1.8	34.9	50	<0.1	<0.1							
K4063		1.0	41.0	59	0.3	<0.1							
K4064		3.1	32.3	137	0.3	<0.1							
K4065		2.1	24.8	84	0.2	<0.1							
K4066		1.5	21.4	142	0.3	<0.1							
K4067		2.4	22.7	183	0.6	<0.1							
K4068		1.8	10.6	201	0.4	<0.1							
K4069		1.5	5.45	112	0.2	<0.1							
K4070		5.5	27.6	391	0.5	<0.1							
K4071		8.0	40.3	528	0.6	<0.1							
K4072		6.0	48.6	601	0.9	<0.1							
K4073		4.5	19.7	525	0.6	<0.1							
K4074		7.7	8.36	103	0.6	<0.1							
K4075		10.4	6.16	38	0.3	<0.1							
K4076		11.7	5.06	35	0.2	<0.1							
K4077		15.6	12.9	49	0.2	<0.1							
K4078		6.3	16.6	38	0.4	<0.1							
K4079		4.0	21.7	32	0.3	<0.1							
K4080		10.1	20.6	32	0.3	<0.1							
K4081		7.6	20.0	44	0.3	<0.1							
K4082		8.8	31.8	51	0.4	0.1							
K4083		5.4	31.7	30	0.4	<0.1							
K4084		12.1	30.7	66	0.2	<0.1							
K4085		7.3	49.1	26	0.3	<0.1							
K4086		2.5	51.9	25	0.2	<0.1							
K4087		7.1	77.9	96	0.4	0.1							
K4088		4.8	69.5	41	0.2	<0.1							
K4089		1.4	9.08	12	<0.1	<0.1							
K4090		1.1	26.5	22	0.3	<0.1							

Batch:            PH20126  
 Sub Batch:            0  
 Date of Issue: 11/10/2002  
 Client:  
 Client Reference:

# CERTIFICATE OF ANALYSIS



SAMPLE	Element	Ag	Co	Ni	Pd	Au							
	Unit Method LOR	ppb ME-MS10 0.1	ppb ME-MS10 0.25	ppb ME-MS10 3	ppb ME-MS10 0.1	ppb ME-MS10 0.1							
K4091		5.1	23.6	33	0.3	0.3							
K4092		14.9	31.7	52	0.3	0.4							
K4093		2.1	15.9	15	0.2	<0.1							
K4094		0.2	12.6	41	0.3	<0.1							
K4095		0.5	30.1	31	0.4	<0.1							
K4096		<0.1	27.6	18	0.5	<0.1							
K4097		0.2	16.8	15	0.2	<0.1							
K4098		1.9	24.6	17	0.2	<0.1							
K4099		0.4	114	34	0.5	0.1							
K4100		0.4	46.3	27	0.5	<0.1							
K4101		0.1	94.2	36	0.5	0.1							
K4102		1.7	34.4	20	0.4	0.2							
K4103		2.7	27.6	16	0.4	0.2							
K4104		31.9	18.2	15	0.3	0.5							
K4105		16.0	17.0	9	0.3	<0.1							
K4106		30.3	7.04	10	0.3	0.2							
K4107		3.6	6.94	15	0.1	<0.1							
K4108		9.4	11.5	22	0.2	<0.1							
K4109		25.6	6.58	9	0.2	<0.1							
K4110		24.9	4.15	11	0.2	<0.1							
K4111		57.9	3.28	22	0.2	0.2							
K4112		40.4	2.04	50	0.4	0.1							
K4113		31.9	3.93	32	0.2	0.2							
K4114		36.5	6.62	20	0.3	0.1							
K4115		15.8	4.97	12	0.1	0.1							
K4116		23.0	4.99	17	0.2	0.1							
K4117		19.2	6.94	26	0.3	0.1							
K4118		26.7	6.69	15	0.1	<0.1							
K4119		33.4	24.1	28	0.4	<0.1							
K4120		13.1	72.2	88	0.4	0.5							



KSL EXPLORATION (YUKON) LIMITED

STRIKE & HIT CLAIMS PLAN

