

KSL Exploration (Yukon) Limited

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094268

ASSESSMENT REPORT

for Renewal of
KSL, STRIKE and HIT Claims,
NTS 115-O-10 and 115-O-15, Dawson Mining District

November, 2001

by

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and
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Prepared for: The Dawson Mining Recorder,
Dawson City, Yukon Territory

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ENCLOSURES

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APPENDICES (pocket at rear)

Appendix I Soil Geochemical Master Ledger
Appendix II Certificates of Analysis
Appendix III 1 x 1.44mb diskette containing 2 files:
 KSLLEDGER00.XLS (Soil Geochemical Master Ledger)
 TRPLOT.PDF (Bar chart plots of MMI & -80# data by traverse)

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1 INTRODUCTION

1.1 Location and Tenements

This report covers geochemical soil sampling work in the year to mid-June 2001 on the KSL, STRIKE and HIT claim groups in the southeastern sector of the Klondike goldfield (Figure 1).

The KSL group of claims (KSL 1 to 74) are located to the north of Upper Dominion Creek on NTS 115-O-15; the STRIKE 1 to 31 claims in the headwaters of Gold Run Creek on the same NTS 1:50,000 scale map sheet. Half the HIT group (claims 1 - 46) of the 83 claim block are located on NTS 115-O-10.

It should be noted that a subsequent report, in 2001/2002 will provide data on completion of the survey of the remainder HIT claim group.

1.2 Company Background

The three claim groups (KSL, HIT and STRIKE) are registered in the name of KSL Exploration (Yukon) Limited ("KSL Exploration"), a wholly owned subsidiary of Klondike Source Limited ("KSL") which is an Australian public company. KSL has a farm-in agreement with Barramundi Gold Limited ("BAM") over a large claim block in the northwestern sector of the Klondike goldfield. The KSL Exploration claims and the KSL-BAM farm-in form KSL's Klondike Source hardrock gold exploration project.

2 TECHNICAL BACKGROUND

2.1 Project Exploration Concepts and Program

The geology of the Klondike Goldfield remains little known and even less understood.

In 1999, KSL undertook a district-scale structural study based on public domain information, including 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. That work included the area of the KSL Exploration claims, the subject of this report. It is described in an earlier Assessment Report relating to the Klondike and Wedge Claim Blocks of BAM (Adamson and Thomas, 2000).

This work defined the major structural elements in the Klondike Schist, as follows:

- 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 km² 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.

KSL recognised some differences in the geology and geophysical signatures between the SE and NW sectors of the Klondike Goldfield. Only continuing and more definitive exploration such as drilling will reveal the significance of these differences.

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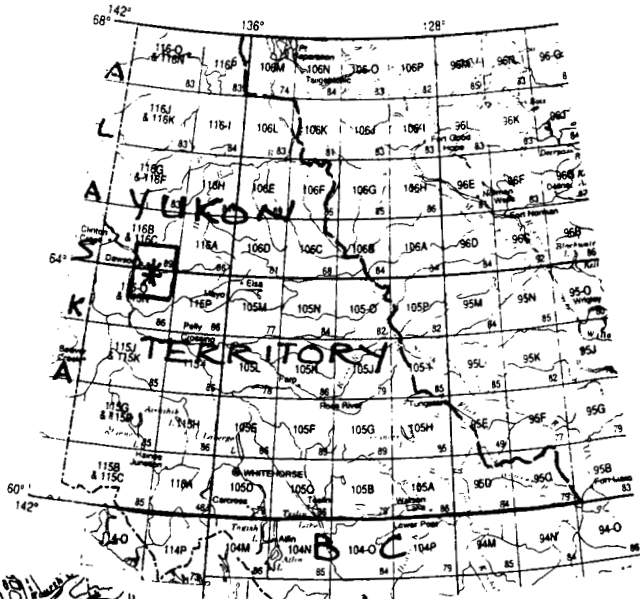
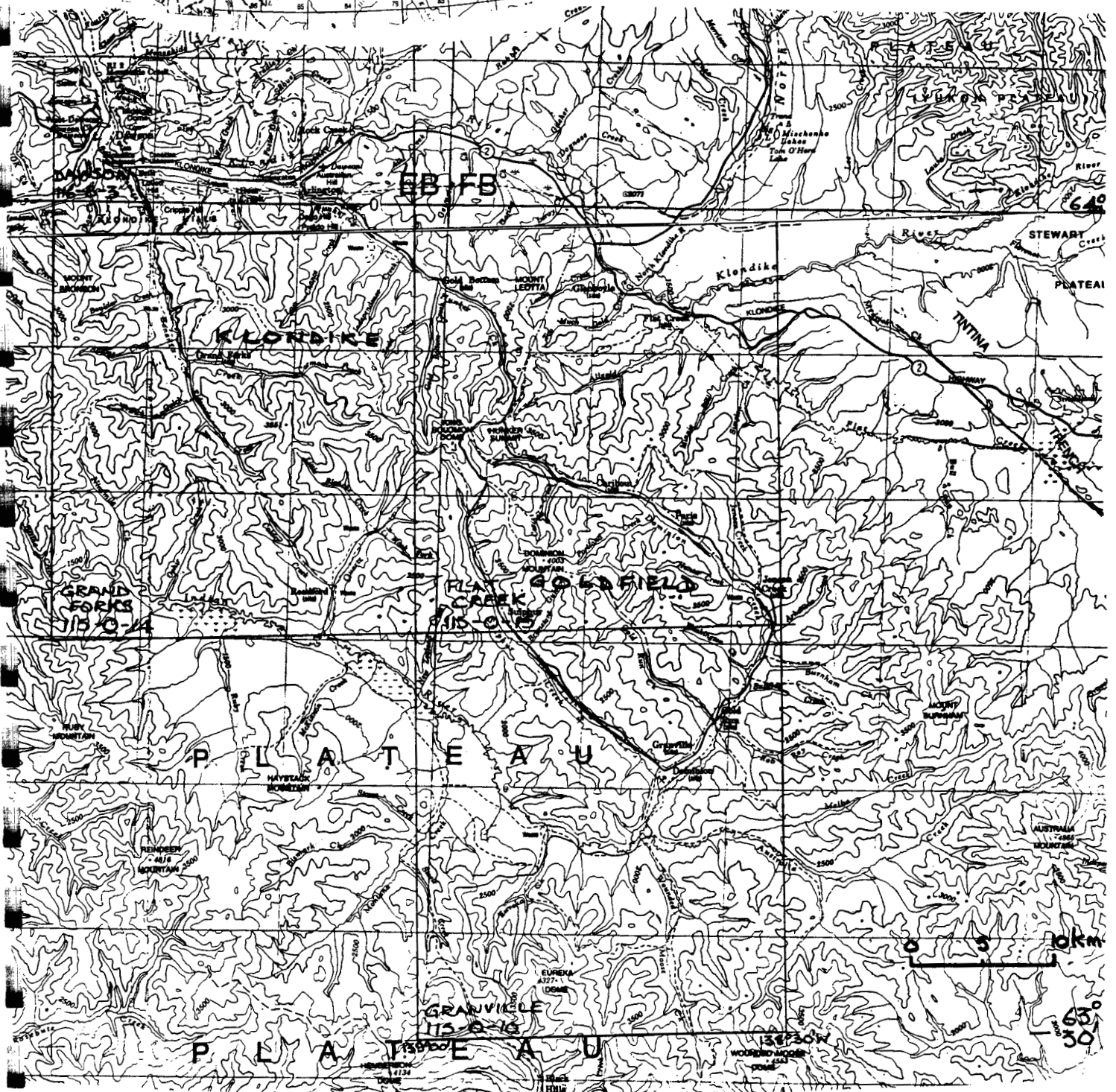


Figure 1:

Location Map Klondike Goldfield



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2.2 Historic Exploration

At present, very little data is publicly available at present regarding previous exploration of these claim blocks or neighbouring districts.

It would seem likely that the KSL claim blocks north of Dominion Creek cover areas where no systematic hardrock gold exploration has been attempted previously.

The STRIKE and HIT claim groups have previously been held under Quartz Claim tenure, but only data for part of the HIT claim group was discovered post the July 2nd, 2001 release of old "Assessment Reports". This data does not cover the southern part (1 - 46 claims) which are the subject of this report.

3 SOIL GEOCHEMICAL SURVEY

3.1 Methodology

Examination of the limited database of historic exploration programs indicated that standard -80 mesh soil sampling, nominally of a B horizon, had generally provided very spotty results. Typically these were characterised as isolated higher values occurring sporadically within generally low background areas. In addition, there was little apparent correlation between analyses from the two major geochemical laboratories used for analysis of soil samples from these surveys. The lack of clear and coherent anomalies and inconsistent analyses from these standard soil surveys had not permitted definition of drilling targets.

Field observations by KSL indicate that soils in the Klondike Hills are generally immature. They are typified by weakly developed B and/or C profiles with negligible ferruginisation (indicating limited vertical cationic transport) which underlie a shallow but ubiquitous A horizon at the base of a thick humic (moss) overburden. The better development of B/C horizons is confined to the ridge crests; even there, they consist dominantly of little-oxidised rock fragments and subordinate gritty silt and minor non-plastic clay. On many of the hill slopes, rock slides and boulder fields are common, silt/clay fractions are rare to absent and permafrost frequently encountered.

It is quite clear that standard -80# soil sampling in these chemically inactive and poorly developed soils is highly unlikely to provide consistent and interpretable geochemical data. The only consistent element of the "soils" of the Klondike Hills is the virtually ever present, but thin, A horizon underlying the moss blanket.

In reviewing soil geochemical survey methods it was noted that the relatively new Mobile Metal Ion (MMI) geochemical technique had not been applied in the Yukon. The method is an Australian development of original Russian geochemical research. Essentially, it aims to collect and measure the very low concentrations of ions which have moved in the weathering zone and that are only weakly or loosely attached to surface soil particles. It is believed that Mobile Metal Ions are transported from buried mineralised bodies to the surface. Samples are taken from the A horizon at a constant, shallow depth (5 to 15 cm) below surface. This avoids B horizon sampling problems and enables reasonably consistent sampling across varied soil conditions.

In the MMI laboratory process, weakly-held adsorbed metal ions are leached from the soils using proprietary solvents. These are then analysed using sensitive ICPMS instrumentation to report Mobile Metal Ions as parts per billion. MMI Technology licenses certain laboratories world-wide to undertake the laboratory analysis. The Canadian subsidiary of SGS International, XRAL Laboratories in Toronto, is a licensed MMI laboratory.

The method has been treated with some reservation in Australia where -80 mesh B horizon sampling is an accepted and effective method in deeply leached and lateritised terrains. However, in northern Europe, including permafrost terrain in Scandinavia, various MMI orientation surveys over known mineralisation have provided convincing evidence of its capabilities. That evidence, together

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with the A horizon sampling methodology suggested to KSL that MMI soil geochemistry could be particularly effectively in the prevailing soil conditions of the Klondike Goldfield.

3.2 MMI Orientation

KSL lacked access to a gold mineralised locality in the Yukon suitable for a controlled MMI soil geochemical orientation survey. As a substitute, in early June 2000, an initial "orientation-type" survey was carried out over three localities having structures with potential for gold mineralisation in the Klondike claim group (Adamson and Thomas, 2001).

Dr Russell Birrell, the Managing Director of MMI Technology Pty Ltd, Perth, Western Australia was engaged as MMI consultant. The initial "orientation-type" geochemical sampling was conducted under his field supervision. Samples were taken in A horizon soils at 15 to 20 cm below base of moss blanket. A mattock was used to chop a small opening in the moss blanket and to make a shallow excavation in the underlying A horizon soil. Sample intervals of 25m, 50m and 100m were examined. Samples of approximately 250g mass were air-freighted to Toronto, Ontario for MMI analyses by XRAL Laboratories.

Differing MMI extractants are employed to prepare solutions for analysis for three groups of elements:

- (i) Precious Metals: gold, silver, palladium plus nickel and cobalt.
- (ii) Base Metals: copper, lead, zinc and cadmium
- (iii) Precious Metal Pathfinders: arsenic, antimony, mercury, selenium, molybdenum, tellurium, iron and bismuth

Valid anomalies for gold and silver were identified on some traverses. The principal conclusions from this survey were:

- (a) 50m sampling will reasonably define areas of interpretative/exploration interest; 100 to 200m sampling may suffice for regional reconnaissance.
- (b) Digests and analytical schemes could be reduced to:

Digest B (Au Ag Ni Co)

Digest F (As Se Te Bi)

3.3 MMI and -80 Mesh Soil Geochemical Sampling Program

3.3.1 Design and Location of Survey

The traverse lines were selected and oriented to cover a number of structural and stratigraphic features, in order of importance:

- (1) NW-dipping thrusts
- (2) Nasina Formation - Klondike Schist contact
- (3) Other structures and areas of apparent prospectivity.

Enclosures 2-4 show the location at 1:50,000 scale of all traverse lines that were sampled in the KSL, Hit and Strike claims during the 2000 field season, together with MMI gold anomalies and -80# gold anomalies.

3.3.2 Survey Procedures

It was decided to carry out the production survey at 50m sample intervals and to continue using XRAL Laboratories of Toronto but 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

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and silver anomalies with gold pathfinder elements (arsenic, antimony, tellurium) or with bismuth, an inferred Tintina Gold Belt pathfinder.

It was decided to undertake some parallel, limited -80 mesh soil sampling. This was confined to lines along ridge crests where a suitable "B" horizon is more commonly present. Samples were collected unsieved, air dried and airfreighted to ALS Chemex Laboratories, Vancouver for sieving to -80 mesh and analysis. Analyses were generally for gold only, at detection limit 1 ppb. On selected lines (those where MMI orientation had analysed base metal and pathfinder suites) a wider range of metals was analysed for comparative purposes.

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 to 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 GPS 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 KSLLEDGER00.xls (Excel 97 Workbook) on the diskette in Appendix III.

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

3.3.3 MMI Data Presentation

To maximize 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, eg. time and temperature;
- Allow splicing of different data batches or data from varying regolith situations;
- 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.

Calculating MMI Response Ratios:

- 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

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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 (TRPLOT.PDF) on the diskette in Appendix III.

Response Ratio data was then imported to MapInfo tables for statistical analysis, location and plan plotting of anomalous data onto NTS map sheet raster images. Plans showing location of MMI and -80 mesh gold and MMI silver anomalies are presented as Enclosures 2, 3 & 4, respectively.

3.3.4 -80 mesh Soil Gold Data Presentation

No manipulation of this limited dataset was undertaken.

Raw ppb gold values are presented as bar charts to facilitate simple visual comparison with the MMI gold and silver bar chart for the same traverse.

REFERENCES

- Adamson, R.G. and Thomas, C.M., 2000: Assessment Report, Klondike and Wedge Claim Blocks, Dawson Mining District. Unpub. report prepared for the Dawson Mining Recorder, Dawson City, Yukon Territory by Klondike Source Limited.
- 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, STRIKE, HIT CLAIM GROUPS**Expenditure Statement**

1	Personnel			
	23 team days			
	P. Ledwidge, Geologist	@ \$300	per day	\$6,900
	Field Assistant	@ \$225	per day	\$5,175
	Planning & supervision (R G Adamson/C M Thomas)			
	6 days	@ \$700	per day	<u>\$4,200</u>
				<u>\$16,275</u>
1.2	Expenses			
	Analytical costs			\$7,128
	Freight			\$501
	Maps			\$74
	Office supplies			\$169
	Computer rent			\$30
	Insurance			\$290
	Payroll			\$156
	Field equipment			\$214
	Communications (telephone/fax)			\$342
	Office/accomodation			\$480
	Vehicle hire			\$2,304
	Fuel			<u>\$275</u>
				<u>\$11,963</u>
2	Data Interpretation; Report compilation			
2.1	Professional costs			
	3 days	@ \$700	per day	\$2,100
2.2	Expenses			
	Photocopying, plan printing			<u>\$70</u>
				<u>\$2,170</u>
TOTAL:				<u><u>\$30,408</u></u>

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AUTHORS' PROFESSIONAL STATEMENTS

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I, **Robert Gerard Adamson** declare that I am co-author of the report entitled "Assessment Report for Renewal of KSL, Strike and Hit Claims, Dominion Creek—Gold Run Creek District, NTS 115-O-10 and 115-O-15, 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.



November 16, 2001

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*

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I, **Colin Maguire Thomas** declare that I am co-author of the report entitled "Assessment Report for Renewal of KSL, Strike and Hit Claims, Dominion Creek—Gold Run Creek District, NTS 115-O-10 and 115-O-15, Dawson Mining District" dated June, 2001.

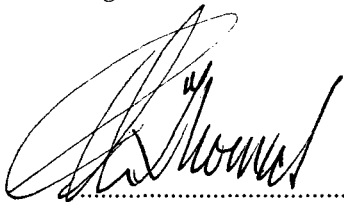
I graduated with 2nd Class (Div.1) Honours in Geology from the University of St Andrews, Scotland in 1960.

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

November 16, 2001

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APPENDIX I

Soil Geochemical Master Ledger

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

TRAVERSE LH1B LH1B GRAND FORKS 1:50,000 115-0/14
 Sampled: 25-Sep-00 By: [unclear] pl sj

Scheme Code
 Analysis Unit

											Au MMI-B ppb	Co MMI-B ppb	Ni MMI-B ppb	Pd MMI-B ppb	Ag MMI-B ppb
	H - 10										-0.1	8	21	-0.1	90.4
	H - 44 dupl of	H - 10									-0.1	8	16	-0.1	45.6
	H - 20										-0.1	1	54	-0.1	115
	H - 45 dupl of	H - 20									-0.1	5	22	-0.1	58.9
	H - 30										-0.1	5	21	-0.1	18.3
	H - 46 dupl of	H - 30									-0.1	5	23	-0.1	30.3
	H - 40										0.11	9	17	-0.1	58.4
	H - 47 dupl of	H - 40									0.16	11	21	0.1	77.9
H 01											-0.1	16	45	0.11	41
DUP-H 01											-0.1	15	39	-0.1	34.3
H 13											-0.1	9	32	-0.1	13.2
DUP-H 13											-0.1	10	35	-0.1	12.3
H 25											-0.1	8	54	-0.1	37.8
DUP-H 25											-0.1	8	50	-0.1	36.9
H 37											-0.1	2	36	-0.1	101
DUP-H 37											-0.1	2	40	-0.1	78.9

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

TRAVERSE LH2
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 25-Sep-00 By: p l s j
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	28	29	-0.1	10.1
-0.1	3	27	0.12	2.91
-0.1	33	17	-0.1	2.02
-0.1	7	21	-0.1	19
0.12	13	104	-0.1	20.7
-0.1	-1	153	-0.1	1.58
-0.1	3	87	-0.1	11.3
-0.1	2	101	-0.1	19.4
-0.1	33	17	-0.1	2.02
-0.1	32	23	-0.1	4.03
-0.1	3	27	0.12	2.91
-0.1	3	22	-0.1	2.38

H - 48 H48	610006	7067836	839	S++	30	org	rb	si cl	no rocks	
H - 49 H49	610050	7067820		S++	25	org	b	si cl	no rocks	
H - 50 H50	610090	7067800		S++	30	org	br b	si cl	oxs	
H - 51 H51	610150	7067780		S++	25	org	ob	gr si cl	cs	
H - 52 H52	610192	7067770	788	S++	25	org	yb	gv si cl	cqs	
H - 53 H53	610230	7067750		S++	25	org	b yb	si cl	qv weathered s	
H - 54 H54	610280	7067730		S++	20	org	r yb	si cl	no rocks	
H - 55 H55	610324	7067712	768	S++	25	org	yb	si cl	no rocks	
H - 50										
H - 56 dupl of	H - 50									

H 49
 DUP-H 49

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

TRAVERSE LK1a

GRAND FORKS 1:50,000 115-0/14

Sampled: 22-Aug-00

By: [pl,cmt,sj]

Sample Interval (m): 100

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1

LC-001	1	613289.3	7083637	1058	R	10		b yb	si cl	black qte	B min A
LC-002	2	613252.3	7083544		R	20	org	gb yb	si cl	qms qv hem	BC
LC-003	3	613233.9	7083442		R	15	org	gb yb	si cl	b c q s lim blebs	BC
LC-004	4	613213.3	7083339		R	15	org	gb yb	si cl	qms garnets	BC
LC-005	5	613165	7083245		R	15	org min	gb yb	si cl	qms garnets	BC
LC-006	6	613132.8	7083150		R	15	org	b yb	si cl	ox s lim garnets	AB
LC-007	7	613070.4	7083072		R	20	sk org	b yb	gr si cl	black qte foliated b?	2-3% lim blebs AB
LC-008	8	612997.2	7082998		R	15	org	b yb	si cl	black qte lim blebs	AB
LC-009	9	612944.7	7082906		R	15		b yb	si cl	qms lim	B minA
LC-010	10	612888.7	7082819	1081	R	20		yb	si cl	qms garnets b?	B
LC-011 for		LC - 10									

-0.1	3	21	-0.1	14.6
-0.1	7	23	-0.1	4.27
0.11	2	20	-0.1	1.47
-0.1	3	12	-0.1	0.74
-0.1	2	19	-0.1	4.29
-0.1	5	19	-0.1	1.23
-0.1	6	25	0.11	2.88
-0.1	3	14	-0.1	4.86
-0.1	4	10	-0.1	1.67
-0.1	7	16	-0.1	4.9
0.54	2	19	-0.1	14.3
-0.1	3	21	-0.1	14.6
-0.1	3	18	-0.1	16.2

LC-01
DUP-LC-01

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

TRAVERSE LK1a(-80)

GRAND FORKS 1:50,000 115-0/14

Sampled: 22-Aug-00

By: pl,cmt,sj

Sample Interval (m): 100

Au
ppb

LC -001	1	613289.3	7083637	1058	R	25		yb	si cl	black qte	B min A	<6
LC -002	2	613252.3	7083544.2		R	20		gb yb	si cl	qms qv hem	BC	5
LC -003	3	613233.9	7083442.4		R	20	org	gb yb	si cl	b c q s lim blebs	BC	2
LC -004	4	613213.3	7083338.7		R	20	org	gb yb	si cl	qms garnets	BC	2
LC -005	5	613165	7083245		R	20	org min	gb yb	si cl	qms garnets	BC	10
LC -006	6	613132.8	7083149.8		R	25	org	b yb	si cl	ox s lim garnets	AB	3
LC -007	7	613070.4	7083072.2		R	30	sk org	yb	gr si cl	black qte foliated b?	2-3% lim blebs AB	4
LC -008	8	612997.2	7082998.4		R	25		yb	si cl	black qte lim blebs	AB	7
LC -009	9	612944.7	7082905.5		R	25		yb	si cl	qms lim	B minA	7
LC -010	10	612888.7	7082818.5	1081	R	20		yb	si cl	qms garnets b?	B	11

SAMPLE No	GPS W/Pt	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRaverse LK1b		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 12-Sep-00									
		Sample Interval (m): 50									
LC -019 LC - 19	613293.3	7083695.8	1059	R	20	org	b gb	si cl	q b s ox		
LC -020 LC - 20	613306.1	7083743.6		R	20	org	yb	si cl	qms b?		
LC -021 LC - 21	613302.6	7083789.5		R	25	org	b yb	si cl	qms		
LC -022 LC - 22	613285	7083844.5		R	20	org	yb	si cl	qte m s p fgb		
LC -023 LC - 23	613299	7083895.3	1074	R	20		yb	si cl	qms ox b?		
LC -024 LC - 24	613297.6	7083949.6		R	20	org	b yb	si cl	qms		
LC -025 LC - 25	613268.2	7083995.2		R	20	org	b yb	si cl	qms		
LC -026 LC - 26	613242	7084028.4		S	20		yb	cl si	qms		
LC -027 LC - 27	613213.8	7084069.3	1043	S	25	org	g yb	si cl	qms b?		
LC -028 LC - 28	613190.7	7084111.5		S+	25		yb	s si	qms b?		
LC -029 LC - 29	613163.3	7084154.2		S+	30	org	b	si cl	qms		
LC -030 LC - 30	613144.4	7084202		S+	30		b yb	s si gr	qv tiny chips qms?		
LC -031 LC - 31	613116.6	7084241	1015	S++	25		yb	gr si cl	qms qv		
LC -032 LC - 32	613088.5	7084287.9		S++	25		b yb	cl si s	qv qms ox		
LC -033 LC - 33	613062.3	7084327		S+	20	org	b	gr si cl	blk qte lim	5% bleached p	
LC -034 LC - 34	613029.9	7084368.9		S+	20	org	yb	si cl	blk qte ox lim p		
LC -035 LC - 35	613008.9	7084411.8	988	S+	25		gb	si cl	blk qte lim p		
LC -036 LC - 36	612982.6	7084458.7		S+	25		gb	si cl	blk qte lim p		
LC -037 LC - 37	612948.7	7084498.8		S+	25		yb	si cl	blk qte lim p		
LC -038 LC - 38	612921.3	7084542.7		S+	20		yb	si cl	blk qte weakly lim p		
LC -039 LC - 39	612895.8	7084591.4	942	S+	25		g yb	s si cl	qms /gneiss lim bands		
LC -040 LC - 40	612872.8	7084638.4		S+	25		yb	s gr si cl	qms	poor dev	
LC -041 LC - 41	612859.5	7084675.7		S+	25		yb	gr si cl	qte ser s		
LC -042 LC - 42	612841	7084715.7		S+	25		yb	si cl	qte ser/s ox		
LC -043 LC - 43	612828.7	7084769.7	926	S+	25		yb	s si cl	qms		
LC -044 LC - 44	612811.1	7084818.1		S+	25	wet	yb	si cl	qte b s / gneiss ox		
LC -045 LC - 45	612798.9	7084866.1		S+	30	w org	b yb	si cl	qms		
LC -046 LC - 46	612786.2	7084911.1		S+	25	w org	yb	si cl	qv		
LC -047 LC - 47	612773.8	7084955.5	891	S+	25	org	yb	si cl	white banded qte ox p	& qv	
LC -048 LC - 48	612762.9	7085009		S++	25	wet	yb	si cl	blk qte lim blebs		
LC -049 LC - 49	612746.7	7085054.5		S++	25	wet	yb	si cl	ox qte		
LC -050 LC - 50	612734.6	7085105.5		S++	25	wet	yb	si cl	qms ox b?		
LC -051 LC - 51	612715.4	7085155.6	850	S++	25	org	yb	si cl	qms ox b?		
LC -052 LC - 52	612697.6	7085195.7		S++	30		gb yb	gr si cl	qms b NOT perpen	to foliation	
LC -053 LC - 53	612677.8	7085253.6		S++	30	wet	yb	si cl	blk qte lim qv		
LC -054 LC - 54	612665	7085296.2		S++	25	wet	yb	si cl	no rocks		
LC -055 LC - 55	612647.8	7085339.9	819	S++	30	wet	yb	si cl	qms ox b?		
LC -056 LC - 56	612626.3	7085388.7		S++	30	wet	yb	si cl	qv		
LC -057 LC - 57	612617.7	7085436.3		S++	25	w org	b yb	si cl	no rocks		
LC -058 LC - 58	612605.1	7085485.5		S++	25		yb	si cl	no rocks		
LC -059 LC - 59	612593.9	7085533.6	798	S++	25		b yb	si cl	tiny qms chips qv		
LC -060 LC - 60	612590	7085583.7		S++	25	w org	yb	si cl	no rocks		
LC -061 LC - 61	612580.9	7085632.4		S+	20	org	b yb	si cl	no rocks		
LC -062 LC - 62	612558.9	7085678.3		S+	30	w org	yb	si cl	no rocks		
LC -063 LC - 63	612542.7	7085725.5	767	S+	20	org	b yb	cl s si	qv		
LC -064 LC - 64	612531.2	7085774.8		S+	20		b yb	si cl	qms		
LC -065 LC - 65	612506.7	7085818.8	743	S+	25		yb	cl si s	qms		

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	13	7	-0.1	0.12
-0.1	12	19	0.12	1.55
-0.1	3	11	-0.1	0.85
-0.1	3	6	0.1	0.28
-0.1	5	13	-0.1	2.36
-0.1	10	12	-0.1	0.27
-0.1	8	9	-0.1	0.49
-0.1	10	13	-0.1	-0.1
-0.1	4	10	0.15	6.18
0.11	14	18	-0.1	3.26
-0.1	1	246	0.15	8.23
-0.1	20	44	-0.1	2.82
-0.1	4	12	-0.1	1.08
-0.1	5	10	0.12	1.3
0.13	5	17	0.12	9.19
0.17	9	10	0.14	3.51
0.43	59	32	0.15	349
-0.1	20	28	-0.1	11.1
-0.1	15	21	0.14	4.7
-0.1	24	27	-0.1	9.38
-0.1	7	15	0.1	23.6
-0.1	4	6	0.15	1.04
-0.1	8	7	-0.1	3.79
-0.1	5	8	-0.1	0.99
-0.1	7	10	-0.1	1.17
0.12	33	57	-0.1	6.76
-0.1	25	90	-0.1	6.41
-0.1	37	26	-0.1	20.3
-0.1	31	45	-0.1	10.5
-0.1	12	98	-0.1	6.75
-0.1	31	43	-0.1	169
-0.1	74	41	-0.1	2.02
-0.1	31	23	-0.1	0.96
-0.1	16	19	0.11	2.99
-0.1	42	58	-0.1	3.78
-0.1	27	31	-0.1	2.71
-0.1	33	42	0.14	6.18
-0.1	42	153	-0.1	10.4
-0.1	37	38	-0.1	2.45
-0.1	14	20	-0.1	2.34
-0.1	28	23	-0.1	1.75
0.16	45	569	-0.1	9
0.11	96	61	0.14	2.28
0.11	18	25	0.11	2.34
-0.1	9	12	-0.1	0.37
-0.1	15	28	-0.1	1.03
-0.1	40	17	-0.1	1.51

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

LC - 020											
LC -066 for		LC - 020									
LC- 030											
LC -067 for		LC- 030									
LC - 040											
LC -068 dupl of		LC - 040									
LC - 050											
LC -069 dupl of		LC - 050									
LC - 060											
LC -070 dupl of		LC - 060									
LC 019											
DUP-LC 019											
LC 031											
DUP-LC 031											
LC 043											
DUP-LC 043											
LC 055											
DUP-LC 055											
LC 067											
DUP-LC 067											

COMMENTS:
ROCK CHANGE FREQUENTLY
MAYBE GNEISS, AND WE SEE DIFFERENT BANDS OF IT.
SOME BANDS BLOCKY QTE, OTHERS SCHIST,
OTHERS WHITE QTE.

Au	Co	Ni	Pd	Ag
-0.1	12	19	0.12	1.55
-0.1	22	22	-0.1	1.8
-0.1	20	44	-0.1	2.82
-0.1	18	42	0.11	2.49
-0.1	4	6	0.15	1.04
-0.1	7	8	-0.1	1.6
-0.1	74	41	-0.1	2.02
0.19	78	68	0.15	5
0.16	45	569	-0.1	9
0.28	7	564	0.15	9.49
-0.1	13	7	-0.1	0.12
-0.1	15	9	-0.1	0.21
-0.1	4	12	-0.1	1.08
-0.1	4	13	-0.1	0.96
-0.1	7	10	-0.1	1.17
-0.1	8	12	-0.1	1.12
-0.1	33	42	0.14	6.18
-0.1	38	49	0.11	3.62
-0.1	18	42	0.11	2.49
-0.1	22	43	-0.1	2.5

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

TRVERSE L1c GRAND FORKS 1:50,000 115-0/14
 Sampled: 23-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1

LC - 158 lc158	613067	7081001	795	S++	20	org	ob	cl si	qv		-0.1	6	84	-0.1	23.9
LC - 159 lc159	613070	7081060		S++	25	org	b	cl si	cs		-0.1	2	108	-0.1	6.09
LC - 160 lc160	613080	7081110		S++	25	org	ob	si cl	ox p ox s		-0.1	1	66	-0.1	7.24
LC - 161 lc161	613080	7081160		S++	25	org	rb	si cl	no rocks		-0.1	1	50	-0.1	8.95
LC - 162 lc162	613083	7081207	833	S++	25	org	rb	si cl	qv		-0.1	3	27	-0.1	9.5
LC - 163 lc163	613090	7081260		S++	25	org	rb	si cl	qtem/s foliated q band	m	-0.1	63	122	-0.1	7.41
LC - 164 lc164	613090	7081310		S++	25	org	rb	si cl	milky blue q eyes qv	locally	-0.1	13	77	-0.1	15.8
LC - 165 lc165	613100	7081360		S++	25	org	rb	si cl	qv		-0.1	-1	109	-0.1	27.2
LC - 166 lc166	613104	7081408	868	S++	25	org	rb	si cl	no rocks		-0.1	-1	71	-0.1	15.5
LC - 167 lc167	613110	7081460		S	20	org	rb	gv cl s	qvcs		-0.1	2	26	-0.1	14.3
LC - 168 lc168	613110	7081500		S+	25	org	yb	si cl	qms		0.18	50	88	-0.1	30
LC - 169 lc169	613120	7081550		S+	25	org	rb	si cl	qms		0.15	18	48	-0.1	18.3
LC - 170 lc170	613127	7081604	856	S++	25	org	rb	si cl	cs ox		-0.1	2	57	-0.1	27.9
LC - 171 lc171	613130	7081660		S++	25	org	yb	si cl	smokey q		-0.1	1	39	-0.1	11.2
LC - 172 lc172	613140	7081710		S++	25	org	yb	si cl	q ser/s lim blebs qv		0.26	-1	48	-0.1	52.1
LC - 173 lc173	613140	7081760		S+	25	org	yb	si cl	no rocks		-0.1	5	42	-0.1	8.51
LC - 174 lc174	613144	7081804	938	S+	25	org	rb	si cl	q band hem		-0.1	4	29	-0.1	9.02
LC - 175 lc175	613150	7081850		S+	25	org	rb	si cl	qms hem		-0.1	34	26	-0.1	5.75
LC - 176 lc176	613151	7081901	940	S	25	org	rb	si cl	cs?		-0.1	-1	68	-0.1	11.7

LC - 160
 LC - 177 dupl of LC - 160
 -0.1 1 66 -0.1 7.24
 -0.1 -1 88 -0.1 6.36

LC - 170
 LC - 178 dupl of LC - 170
 -0.1 2 57 -0.1 27.9
 -0.1 5 60 -0.1 28.2

LC 161
 DUP-LC 161
 -0.1 1 50 -0.1 8.95
 -0.1 1 44 -0.1 7.46

LC 173
 DUP-LC 173
 -0.1 5 42 -0.1 8.51
 -0.1 5 38 -0.1 8.16

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

TRAVERSE LK4		GRAND FORKS 1:50,000 115-0/14									
		Sampled: 15-Sep-00		By:	pl sj						
		Sample Interval (m): 50									
LC - 105	LC105	613788.7	7082966.6	935	S++	20	org	yb	si cl	no rocks	
LC - 106	LC106	613738.8	7082988.1		S++	25	org	b	si cl	no rocks	
LC - 107	LC107	613687	7083012.5		S++	25	org	yb	si cl	no rocks	
LC - 108	LC108	613641	7083028.2		S++	20	org	yb	si cl	no rocks	
LC - 109	LC109	613600.9	7083044.1	958	S++	20	org	g yb	si cl	no rocks	
LC - 110	LC110	613548.8	7083060.8		S++	20	org	yb	si cl	no rocks	
LC - 111	LC111	613498.1	7083075.1		S++	20	org	yb	si cl	blk qte	
LC - 112	LC112	613458.8	7083097		S++	25	org	g yb	si cl	qv qms	
LC - 113	LC113	613408.8	7083108.3	1001	S++	25		yb	si cl	qte lim brecciated? Mb	amphiboles lim
LC - 114	LC114	613358.3	7083125.1		S++	25		yb	si cl	blk qte hem q bands	par to fol
LC - 115	LC115	613315.8	7083116.4		S++	25	org	b yb	si cl	qmbs	
LC - 116	LC116	613266.6	7083141.5		S++	25		yb	si cl	qms garnets b?	
LC - 117	LC117	613217.8	7083161.9	1026	S++	20	org	gb yb	si cl	qms (garnets?) hem	
LC - 118	LC118	613170.2	7083173.9		R	20		yb	si cl	qm garnets s (c?b?)	
LC - 119	LC119	613115.8	7083179.7	1041	R	20	org	b yb gb	si cl	weathered qms grey qte	lim blebs
LC - 110											
LC - 120	dupl of	LC - 110									

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.12	1	104	-0.1	10.2
-0.1	1	80	0.14	2.72
-0.1	5	38	0.1	2.92
-0.1	3	81	0.1	5.38
-0.1	4	44	0.13	4.8
0.1	27	49	-0.1	1.13
0.15	6	48	0.1	3.82
-0.1	33	60	-0.1	3.56
-0.1	9	55	0.12	7.5
-0.1	9	52	-0.1	8
-0.1	12	23	-0.1	9.27
-0.1	5	27	-0.1	1.64
-0.1	12	21	-0.1	0.28
-0.1	6	11	-0.1	0.59
-0.1	8	16	0.13	9.07
0.1	27	49	-0.1	1.13
-0.1	13	46	-0.1	1.34
-0.1	12	23	-0.1	9.27
-0.1	12	23	-0.1	7.02

LC 115
DUP-LC 115

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

TRAVERSE LK5 GRAND FORKS 1:50,000 115-0/14

Sampled: 22-Aug-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	5	48	-0.1	16.4
0.12	1	17	-0.1	1.14
-0.1	6	22	-0.1	1.76
-0.1	20	48	0.14	6.31
-0.1	45	75	-0.1	19.6
-0.1	13	36	-0.1	13.6
-0.1	6	101	-0.1	14.1
0.12	1	17	-0.1	1.14
-0.1	2	19	-0.1	1.33

LC-012	12	613204	7082420	1005	S	20	org	yb	cl si	bi q s lim	B
LC-013	13	613257.6	7082420.8		S+	20		yb	si cl	bi qte ox garnets	B
LC-014	14	613300.8	7082414		S++	25		yb	cl si s	qv lim p	B
LC-015	15	613356	7082412.5		S++	20	org	b yb	si gr cl	black qte foliated lim	b? AB
LC-016	16	613405.3	7082416.1		S++	25		b yb	si s cl	ox qte	AB
LC-017	17	613452	7082417.8		S++	20		b yb	si s cl	qv lim p	AB
LC-018	18	613499.3	7082415.8		S++	15		b yb	si s cl	q s lim	AB

LC-13
DUP-LC-13

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

TRAVERSE LK7 LK7 GRAND FORKS 1:50,000 115-0/14
 Sampled: 22-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code	Au MMI-B	Co MMI-B	Ni MMI-B	Pd MMI-B	Ag MMI-B
Analysis Unit	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	1	3	0.1	0.1
LC - 121 lc121	0.11	4	42	-0.1	37.5
LC - 122 lc122	-0.1	10	37	0.1	40
LC - 123 lc123	0.42	21	37	0.11	29.7
LC - 124 lc124	0.12	14	33	-0.1	13.6
LC - 125 lc125	0.41	26	73	0.1	23.2
LC - 126 lc126	-0.1	11	22	-0.1	2.16
LC - 127 lc127	0.23	15	18	0.1	4.22
LC - 128 lc128	-0.1	17	59	-0.1	15.3
LC - 129 lc129	-0.1	20	23	-0.1	3.98
LC - 130 lc130	-0.1	6	15	-0.1	5.98
LC - 131 lc131	-0.1	16	14	-0.1	4.09
LC - 132 lc132	0.17	18	24	-0.1	6.46
LC - 133 lc133	-0.1	3	18	-0.1	5.22
LC - 134 lc134	-0.1	3	10	0.15	1.86
LC - 135 lc135	-0.1	3	11	-0.1	4.15
LC - 136 lc136	-0.1	2	11	-0.1	2.46
LC - 137 lc137	-0.1	3	8	-0.1	2.59
LC - 138 lc138	-0.1	31	12	-0.1	2.14
LC - 139 lc139	-0.1	11	15	-0.1	4.47
LC - 140 lc140	0.27	45	609	0.26	59.3
LC - 130	-0.1	6	15	-0.1	5.98
LC - 141 dupl of LC - 130	0.13	6	16	-0.1	13.6
LC - 140	0.27	45	609	0.26	59.3
LC - 142 dupl of LC - 140	0.19	11	515	0.29	36.2
LC 125	0.41	26	73	0.1	23.2
DUP-LC 125	0.48	23	62	-0.1	20
LC 137	-0.1	3	8	-0.1	2.59
DUP-LC 137	-0.1	2	8	-0.1	2.65

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

TRVERSE LK8 GRAND FORKS 1:50,000 115-0/14
 Sampled: 22-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.1	43	96	-0.1	6.44
-0.1	20	44	-0.1	4.47
-0.1	48	47	0.15	3.93
-0.1	64	49	0.1	2.94
-0.1	54	40	0.1	2.18
-0.1	19	70	-0.1	6.64
-0.1	11	87	-0.1	8.27
0.13	26	171	0.11	1.25
0.21	17	289	0.12	33.3
-0.1	15	29	-0.1	4.22
-0.1	12	29	-0.1	5.7
-0.1	19	23	-0.1	1.55
-0.1	8	26	-0.1	2.58
-0.1	4	16	-0.1	1.3
0.13	26	171	0.11	1.25
0.12	2	124	0.14	6.59
-0.1	11	87	-0.1	8.27
-0.1	13	98	-0.1	7.18

LC - 143 lc143	611872	7084162	769	S++	40	w org	b	si cl	no rocks	
LC - 144 lc144	611840	7084140		S++	35	w org	b	si cl	no rocks	
LC - 145 lc145	611790	7084120		S++	35	w org	b yb	s cl	no rocks	
LC - 146 lc146	611740	7084090		S++	30	org	b grb	si cl	no rocks	
LC - 147 lc147	611689	7084069	819	S++	35	org	b	si cl	no rocks	
LC - 148 lc148	611640	7084040		S++	40	org	b	si cl	no rocks	
LC - 149 lc149	611600	7084020		S++	30	org	b gb	si cl	no rocks	
LC - 150 lc150	611540	7084010		S++	35	org	gb	gr si cl	white qte b //fol	
LC - 151 lc151	611504	7083985	860	S++	35	org	yb	gr si cl	qms	
LC - 152 lc152	611470	7083970		S++	30	org	yb	si cl	qms	
LC - 153 lc153	611420	7083940		S++	30	org	b	si cl	white qte b //fol	
LC - 154 lc154	611380	7083930		S++	30		b yb	gr si cl	qv qms ox	
LC - 155 lc155	611330	7083910		S++	25		rb	cl s si	gv ox qms	
LC - 156 lc156	611276	7083884	908	S++	30	org	o grb	si cl	qms ox	
LC - 150										
LC - 157 dupl of	LC - 150									

LC 149
 DUP-LC 149

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

TRAVERSE LK9 GRAND FORKS 1:50,000 115-0/14
 Sampled: 13-Sep-00 By: [unclear] pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.15	24	48	-0.1	1.78
-0.1	23	41	-0.1	1.7
-0.1	10	21	-0.1	0.37
-0.1	16	39	-0.1	2.46
0.13	12	34	0.11	0.81
0.11	23	47	-0.1	1.04
0.12	24	151	-0.1	2.75
-0.1	22	40	-0.1	3.19
-0.1	42	56	0.12	1.97
0.27	12	660	-0.1	32.2
0.22	18	1120	0.11	29.3
-0.1	11	23	-0.1	0.59
-0.1	11	23	0.11	2.86
0.17	27	40	-0.1	12.9
0.15	25	44	-0.1	14.9
-0.1	16	39	-0.1	2.46
-0.1	17	32	-0.1	2.84
-0.1	11	23	0.11	2.86
-0.1	11	21	-0.1	1.7
-0.1	16	39	-0.1	2.46
-0.1	19	38	-0.1	2.56

LC - 88	LC88	612037	7083767.3	827	S++	50	w org	b yb	si cl	no rocks	heavy moss
LC - 89	LC89	611994.8	7083738.3		S++	40	org	b yb	si cl	no rocks	heavy moss
LC - 90	LC90	611952.5	7083709.3		S++	50	f orgmajor	b yb	si cl	no rocks	heavy moss
LC - 91	LC91	611910.4	7083685		S++	45	f org	b yb	si cl	no rocks	heavy moss
LC - 92	LC92	611863.7	7083655.9	878	S++	45	f org	b yb	?? Too frozen	no rocks	heavy moss
LC - 93	LC93	611817	7083639.2		S++	50	f org	grb	si cl	no rocks	heavy moss
LC - 94	LC94	611766.2	7083614.1		S++	45	f org	grb	si cl	no rocks	heavy moss
LC - 95	LC95	611728.6	7083594.8		S++	40	org	b yb	si cl	no rocks	heavy moss
LC - 96	LC96	611679.5	7083573.9	928	S++	40	w org	b yb	si cl	no rocks	heavy moss
LC - 97	LC97	611635.9	7083553.8		S++	25	org	y gb	si cl	m q s	heavy moss
LC - 98	LC98	611589.8	7083544.4		S++	35	w org	grb	si cl	no rocks	heavy moss
LC - 99	LC99	611540.2	7083521.1		S++	30	org	b yb	si cl	qms	heavy moss
LC - 100	LC100	611495.3	7083501	960	S++	20	w org	yb	si cl	blk qte 30% lim blebs	lighter moss
LC - 101	LC101	611454.1	7083470.2		S++	25		yb	si cl	qms	lighter moss
epoLC - 102	LC102	611421.5	7083438.5	967	S++	25		yb	si cl	qms	lighter moss

COMMENTS:
 Frozen at bottom of the hill. rock changed
 little where encountered.

LC 091
 DUP-LC 091

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

TRAVERSE LK10 GRAND FORKS 1:50,000 115-0/14

Sampled: 13-Sep-00 By: pl sj
Sample interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1

LC - 71	LC71	611595.5	7083049.9	1008	R	20	org	g gb	gv si cl	qv hem		-0.1	9	23	-0.1	16.1
LC - 72	LC72	611641	7083068.2		R	20	org	g yb	gr si cl	q bands slightly smoky	c or b?	0.16	14	52	0.14	18.6
LC - 73	LC73	611685.1	7083083.6		R	20	org	b yb	si cl	qms lim blebs		0.14	7	35	-0.1	20.1
LC - 74	LC74	611737.6	7083106.4		R	20		gb yb	si cl	qms lim blebs		-0.1	4	26	0.14	1.71
LC - 75	LC75	611783.5	7083121.2	995	S++	25		gb yb	gr si cl	ms weakly carb		0.21	11	34	-0.1	2.55
LC - 76	LC76	611832.4	7083148		S++	25		g yb	si cl	green q c s		0.1	19	36	0.12	4.39
LC - 77	LC77	611873.5	7083166.9		S++	25		gr yb	gr si cl	green q c s		0.11	40	52	0.12	35.4
LC - 78	LC78	611916.1	7083185.1		S++	25		yb	si cl	Fe carb lim ultramafic	s dark gr talc	-0.1	2	781	0.15	6.96
LC - 79	LC79	611964.8	7083210.2	976	S++	25		yb	si cl	" " " " " "	" " " " " " , magnet	-0.1	7	315	-0.1	5.63
LC - 80	LC80	612003.9	7083231.3		S++	20		yb	gr si cl	qms ox qv		0.15	10	1270	-0.1	10.3
LC - 81	LC81	612049.8	7083253.9		S++	30	org	yb	si cl	ultramafic 40% lim		0.1	67	223	0.13	7.14
LC - 82	LC82	612097.4	7083280.1		S++	35	org	yb	si cl	" " " " " "		-0.1	30	105	-0.1	6.06
LC - 83	LC83	612140.5	7083307.4	918	S++	20	w org	yb	si cl	qms c?		0.2	82	215	-0.1	5.37
LC - 84	LC84	612186.6	7083326.4		S++	35	w org	yb	si cl	no rocks		0.2	425	200	-0.1	1.91
EOLLC - 85	LC85	612232.1	7083352	902	S++	35	w org	yb	si cl	no rocks		-0.1	52	98	-0.1	6.53

LC - 71
LC - 86 dupl of

LC - 71

COMMENTS:
Chlorite is present near ultramafic. Ultramafic has strong Fe carb alteration (limonitic)

LC - 80
LC - 87 dupl of

LC - 80

LC 079
DUP-LC 079

-0.1	9	23	-0.1	16.1
-0.1	15	19	-0.1	20.4
0.15	10	1270	-0.1	10.3
-0.1	88	120	-0.1	5.02
-0.1	7	315	-0.1	5.63
-0.1	7	306	-0.1	5.61

SAMPLE No	GPS WPT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE LK11		GRAND FORKS 1-50,000 115-0/14									
		Sampled: 08-Jun-01		By: P.L. & A.D.							
		Sample Interval (m): 50									

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1

K2001		615696.9	7082499.7	S	20	PF,A	b	si cl	ms	Start of K11	0.21	15	237	<0.1	3.34
K2002		615730	7082541.6	S	25	PF,A	gy b,b	si cl	ms		0.21	94	275	<0.1	4.6
K2003		615755.6	7082585.7	S	25	F,A	b	si cl	-		0.19	13	89	0.1	0.12
K2004		615786.6	7082624.5	S+	20	W,B,A	yb	gr si cl	qv		0.29	116	109	<0.1	2.73
K2005		615817.6	7082664.5	S+	30	W,B,A	yb	gr si cl	qms		0.2	19	32	0.1	2.12
K2006		615848	7082705.7	S	20	A,B	b	si cl	car s	very little B	0.17	11	271	0.1	14.6
K2007		615876.6	7082754.7	S+	20	B	ob	gr s si	qms, ox		0.31	23	23	0.2	1.17
K2008		615905.4	7082788	S	20	W,B,<A	yb	si cl	qv		0.44	14	19	0.1	0.69
K2009		615935.5	7082824.4	S	15	W,B,<A	yb	si cl	qv		0.31	25	29	<0.1	3.9
K2010		615960.3	7082866	S	15	B	ob,g	g si s	qv	minor org,check 1					
K2011		615992.5	7082910.9	S	20	W,B	yb	si cl	qv, ox		0.29	9	20	<0.1	1.55
K2012		616024.1	7082948.6	S	15	B	ob	gr si s	ms		<0.1	7	13	<0.1	0.53
K2013		616052	7082986.1	S	15	B	yb	s si	qv, ox		<0.1	7	30	<0.1	0.51
K2014		616076.5	7083030.7	S	15	B	yb	cl si	qv		0.1	30	26	<0.1	1.1
K2015		616106.2	7083076.6	S+	20	B	b	si cl	qv	minor org	<0.1	11	11	<0.1	0.64
K2016		616133.3	7083113.5	S+	15	B,A	ob	gr cl si	qv		0.18	5	13	<0.1	0.25
K2017		616166.7	7083153.1	S	15	B	yb,g	s si	qms		<0.1	3	6	<0.1	0.24
K2018		616196.6	7083193.1	S+	20	B	yb	g s si	qms, qv		<0.1	10	9	<0.1	0.95
K2019		616220.9	7083237.6	S+	20	B	yb	si cl	ox, cs,qv, bi?		<0.1	11	13	<0.1	0.36
K2020		616251.7	7083274.7	S+	25	F,B,A	yb	si cl	cs, bi?	check 2-K2035	<0.1	30	94	<0.1	3.28
K2021		616284.3	7083314.2	S	20	W,B,A	yb	cl si	qms		<0.1	55	41	<0.1	1.09
K2022		616309.1	7083355.8	S	30	F,B,A	b	si cl	-		<0.1	15	17	<0.1	0.57
K2023		616341.8	7083400.7	S	15	B	g,b	cl	-	End of K11	0.18	112	364	<0.1	6.78
K2010											0.21	8	7	<0.1	1.61
K2034										check K2010	<0.1	12	5	<0.1	5.82
K2020											<0.1	30	94	<0.1	3.28
K2035										check K2020	0.14	28	66	<0.1	2.62
K2001											0.21	15	237	<0.1	3.34
DUP-K2001											0.13	12	200	<0.1	2.9
K2013											<0.1	7	30	<0.1	0.51
DUP-K2013											<0.1	9	27	<0.1	0.3

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au	Co	Ni	Pd	Ag	
		EAST	NORTH	ELEV									MMI-B	MMI-B	MMI-B	MMI-B	MMI-B	
TRAVERSE LK13		GRAND FORKS 1:50,000 115-0/14											ppb	ppb	ppb	ppb	ppb	
		Sampled: 08-Jun-01			By: P.L & A.D.								Detection Limit	0.1	1	3	0.1	0.1
		Sample Interval (m): 50																
K2024		615896	7082636.9		S	15	B	yb	si cl	qms	Start of K13		<0.1	130	6	<0.1	2.75	
K2025		615939.8	7082614.6		S	15	B, <A	yb	si cl	qms			<0.1	6	33	0.1	2.03	
K2026		615988.2	7082590.1		S+	25	B,A	rb	si s	cars			<0.1	38	176	0.2	9.17	
K2027		616033.8	7082572		S++	20	B,A	b,yb	gr si cl	qms			0.37	205	342	0.2	14.2	
K2028		616079.8	7082557		S++	25	W,B,A	yb	si cl	qms			0.2	68	167	<0.1	12.3	
K2029		616127.5	7082535.4		S+	20	W,B	yb	gr cl si	qms			0.21	4	89	0.2	4.48	
K2030		616176	7082509.7		S+	25	B,A	yb	gr cl si	ms	check 3-K2036		0.17	164	201	0.1	15	
K2031		616217.2	7082494.5		S++	25	W,B,A	yb	gr si cl	qv	minor A		<0.1	68	204	<0.1	6.24	
K2032		616264.1	7082468.7		S++	30	W,A,B,org	yb,b	si cl	qms			0.15	165	484	<0.1	0.22	
K2033		616307.3	7082450.5		S++	20	W,B,org	yb	si cl	-	End of K13		0.23	93	142	0.2	5.67	
K2036		check K2030											<0.1	160	465	<0.1	7.26	
K2030													0.17	164	201	0.1	15	

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

TRAVERSE LK14a GRAND FORKS 1:50,000 115-0/14

Sampled: 16-Sep-00

By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.2	3	17	-0.1	7.94
-0.1	13	13	-0.1	1.1
-0.1	4	12	-0.1	0.5
0.14	20	24	-0.1	3.08
0.13	3	19	-0.1	1.48
-0.1	5	27	-0.1	2.57
-0.1	8	10	-0.1	0.62
0.17	16	24	-0.1	7.37
0.11	8	24	-0.1	0.27
0.2	5	15	-0.1	0.8
0.2	5	15	-0.1	0.8
-0.1	6	22	-0.1	1.3
0.2	3	17	-0.1	7.94
-0.1	3	16	-0.1	6.8

N - 01 N01	616522	7080798.9	1079	R	15	org	rb	si cl	qbs	
N - 02 N02	616511	7080847.5		R	20	org	ob gb	si cl	smokey qv	
N - 03 N03	616508.4	7080895.9		R	15	org	yb gb	si cl	gbs	
N - 04 N04	616492.5	7080948		R	20		yb gb	si cl	qv	
N - 05 N05	616479.1	7080993.5		R	25	org	yb	si cl	no rocks	
N - 06 N06	616471.1	7081046.5	1067	R	20	org	ob gb	si cl	ox s	
N - 07 N07	616461.5	7081098.2		R	20	org	ob gb	si cl	ox s	
N - 08 N08	616466.9	7081145.6		R	20	org	yb	si cl	qv lim	
N - 09 N09	616448.5	7081192.8		R	25	org	b	si cl	no rocks	
N - 10 N10	616434.6	7081240.2	1048	R	25	org	g yb	si cl	ox s	

N - 10
N - 11 dupl of

N - 10

COMMENTS:

LK14a&b
Mostly QMS with bio and garnets

N 01
DUP-N 01

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

TRAVERSE LK14b
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 16-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

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

												0.1	1	3	0.1	0.1
N - 26	N26	616542	7080749	1073	R	20	org	ob	si cl	no rocks		0.2	23	30	-0.1	8.18
N - 27 N27		616584.4	7080662.4		S++	20		ob	cl	qbs (garnets?)		0.13	11	13	-0.1	3.86
N - 28 N28		616606	7080616		S++	25		rb	gv si cl	qbs		0.21	34	14	-0.1	2.42
N - 29 N29		616629.8	7080570.8		S++	20		rb	si cl	no rocks		0.25	2	84	-0.1	9.28
N - 30 N30		616653.2	7080532.2	1050	S++	25		rb	si cl	no rocks		0.22	15	33	-0.1	2.12
N - 31 N31		616669.2	7080477.7		S++	25	org	b yb	si cl	no rocks		0.33	4	134	-0.1	14.5
N - 32 N32		616688.5	7080434.8		S++	25	org	b	si cl	no rocks		0.23	3	92	-0.1	4.64
N - 33 N33		616709.1	7080385.3		S++	25	org	b yb	si cl	qms ox		0.26	3	134	-0.1	7.44
N - 34 N34		616725.9	7080339.8	1006	S++	25	org	b yb	si cl	qv		0.23	2	133	-0.1	7.17
N - 35 N35		616741.8	7080288.4		S++	25	org	b	si cl	no rocks		0.27	2	260	-0.1	3.44
N - 36 N36		616764.5	7080244.9		S++	25	org	b yb	si cl	qms		0.24	3	145	-0.1	12.2
N - 37 N37		616782.1	7080199.5		S++	20	org	b	si cl	ox s		0.29	7	368	-0.1	3.61
N - 38 N38		616811.2	7080156.3	965	S++	25	org	rb	si cl	cs		0.14	3	36	-0.1	2.27
N - 39 N39		616831	7080113.4		S++	25	org	ob	si cl	qv		0.19	9	123	-0.1	4.75
N - 40 N40		616854	7080063.4		S++	20	org	b yb	si cl	no rocks		0.12	2	100	-0.1	1.41
eoN - 41 N41		616854	7080063	940	S++	20	org	b yb	si cl	qb garnets		-0.1	71	32	-0.1	0.85
N - 30												0.22	15	33	-0.1	2.12
N - 42 dupl of	N - 30											-0.1	13	29	-0.1	1.21
N - 40												0.12	2	100	-0.1	1.41
N - 43 dupl of	N - 40											0.19	2	82	-0.1	3.87
COMMENTS: LK14a&b Mostly QMS with bio and garnets																
S 30												0.22	15	33	-0.1	2.12
DUP-S 30												-0.1	6	26	-0.1	1.6
S 42												-0.1	13	29	-0.1	1.21
DUP-S 42												-0.1	4	9	-0.1	8.09

SAMPLE No	GPS W'PT	UTM COORDS			LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
		EAST	NORTH	ELEV							
TRAVERSE LK15		GRAND FORKS 1:50,000 115-0/14									
		Sampled: Sept 16 00		By: pl sj							
		Sample Interval (m): 50									
N - 12 N12		617126.3	7081036.8	960	S++	25		yb	gr si cl	qmb garnets	
N - 13 N13		617081.5	7081017.8		S++	20		yb	si cl	ox qm (bminor)s	
N - 14 N14		617032.6	7081004.6		S++	20	org	yb	gr si cl	qte m /s (bminor)	
N - 15 N15		616990.4	7080976.1		S++	25	org	yb	gr si cl	small chips q ser/s qv	
N - 16 N16		616937.5	7080970.5	980	S++	25	org	gb yb	si cl	qmcs ox	
N - 17 N17		616892.2	7080951.5		S++	25	org	gb yb	si cl	c s	
N - 18 N18		616844.6	7080934.1		S++	20		b yb	si cl	qmcs qv	
N - 19 N19		616799.7	7080912.1		S++	25		b	si cl	qms (garnets min) b	
N - 20 N20		616750.9	7080889.4	1045	S++	30	org	b yb	si cl	qte m garnets s	
N - 21 N21		616702	7080861.2		S++	25		b yb	si cl	qv	
N - 22 N22		616658.1	7080856		S++	30	org	b yb	si cl	no rocks	
N - 23 N23		616615.3	7080834.7		S++	25		ob	si cl	qmsb qv radiating amphiboles ox	
eoIN - 24 N24		616566.7	7080811.3	1074	S+	25		yb	si cl	no rocks	

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.2	7	15	-0.1	1.18
0.14	5	12	-0.1	4.27
0.13	9	21	-0.1	2.37
0.15	52	27	-0.1	2.09
0.12	10	14	-0.1	1.53
0.14	6	21	-0.1	0.76
-0.1	5	11	-0.1	2.78
-0.1	2	60	-0.1	7.31
0.28	8	46	-0.1	4.34
0.21	2	67	-0.1	12.2
0.37	3	144	-0.1	13.9
-0.1	10	9	-0.1	0.81
0.2	16	35	-0.1	1.71
0.28	8	46	-0.1	4.34
0.24	13	36	-0.1	4.81
0.14	5	12	-0.1	4.27
-0.1	3	10	-0.1	3.8
0.24	13	36	-0.1	4.81
0.14	12	47	-0.1	4.08

N - 20
N - 25 dupl of N - 20

N 13
DUP-N 13

N 25
DUP-N 25

LK15
QMS +- bio or chlorite and garnet. Very weathered and hard to see. One location has chlorite shist possible mafic dyke.

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

TRAVERSE LS1
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 18-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1

S - 01 S1	609710	7074696.3	872	S++	20	org	yb	si s gr	qms	
S - 02 S2	609733.9	7074658.3		S++	20	org	yb	cl si	qms qv	
S - 03 S3	609756.6	7074613		S++	20	org	yb	cl si	qv	
S - 04 S4	609777.3	7074566.5		S++	20	org	yb	s cl si	qms	
S - 05 S5	609793.1	7074521.6		S++	20		yb	si cl	qms	
eoIS - 06 S6	609829.4	7074468.4		S++	35		grb yb	si cl	qms ox	

0.16	18	117	-0.1	5.62
-0.1	4	25	-0.1	11.3
-0.1	2	53	-0.1	16.3
-0.1	14	134	-0.1	22.1
0.23	9	41	-0.1	6.75
0.16	42	267	-0.1	15.6

DUP-N 01 -0.1 3 16 -0.1 6.8

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

TRAVERSE LS2		GRAND FORKS 1:50,000 115-0/14									
		Sampled: Sep19/9/00t		By:	pl sj						
		Sample Interval (m): 50									
S - 25	S25	610054.1	7074589.9	841	S+	20	org	g yb	si cl	ox s	
S - 26	S26	610074.6	7074548.2		S+	20		g yb	si cl	qms	
S - 27	S27	610097.2	7074498.7		S++	25		yb	si cl	qms qv	
S - 28	S28	610117.3	7074453.9		S++	25		yb	si cl	no rocks	well dev
S - 29	S29	610141.2	7074405.1	805	S++	25		yb	s cl si	qms	poor dev
S - 30	S30	610166.1	7074366.5		S++	20	org	rb	si cl	qv qms ox	
S - 31	S31	610184	7074316.3		S++	25		yb	si cl	qms	
S - 32	S32	610199.1	7074271.4	752	S++	25	w	yb	si cl	qms	
S - 30											
S - 33	dupl of	S - 30									
S 30											
DUP-S 30											

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.13	7	25	-0.1	6.43
-0.1	6	20	-0.1	10.8
0.19	9	36	-0.1	2.3
0.13	5	40	-0.1	1.84
0.17	22	53	-0.1	2.58
-0.1	5	22	-0.1	1.45
-0.1	3	54	-0.1	5.24
0.14	9	46	-0.1	3.98
-0.1	5	22	-0.1	1.45
-0.1	5	30	-0.1	3.74
-0.1	5	22	-0.1	1.45
-0.1	6	26	-0.1	1.6

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PO Box 2703
Whitehorse, Yukon Y1A 2C6

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

TRVERSE LS3 GRAND FORKS 1:50,000 115-0/14

Sampled: 18-Sep-00 By: pl sj

Sample Interval (m): 50

Scheme Code
Analysis Unit
Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
0.21	18	263	-0.1	9.01
0.16	15	26	-0.1	2.53
-0.1	14	29	-0.1	3.37
-0.1	31	43	-0.1	2.82
0.1	27	45	-0.1	4.87
-0.1	6	21	-0.1	7.02
0.27	3	19	-0.1	5.98
0.13	25	24	-0.1	7.78
0.23	19	50	-0.1	85.3
0.1	27	45	-0.1	4.87
0.18	30	85	-0.1	8.32

S - 07 S7	609649	7074200.1	791	F	35	org	b	si cl	no rocks
S - 08 S8	609669.7	7074161.3		S+	40	org	b	cl	no rocks
S - 09 S9	609689.8	7074114.2		S+	40	org	b	cl	no rocks
S - 10 S10	609713.2	7074067.7		S+	30	org	b yb	si cl	cs ox
S - 11 S11	609738.8	7074023.2	819	S+	25	w	yb	gr si cl	qv ox s
S - 12 S12	609760.9	7073981.5		S+	20		yb	g cl si	qv ox s
S - 13 S13	609788.9	7073937		S+	25		yb	si cl	ox s
S - 14 S14	609807.6	7073888		S++	20	org	yb	si cl	qms
S - 15 S15	609841	7073841.3		S++	20		yb	si cl	no rocks
S - 011									
S - 16 dupl of	S - 011								

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

TRAVERSE LS4 GRAND FORKS 1:50,000 115-0/14

Sampled: 18-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code	Au	Co	Ni	Pd	Ag
Analysis Unit	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Detection Limit	ppb	ppb	ppb	ppb	ppb
	0.1	1	3	0.1	0.1
	0.12	9	34	-0.1	8.29
	-0.1	19	44	-0.1	6.08
	0.22	10	41	-0.1	4.71
	0.14	6	17	-0.1	3.21
	-0.1	4	9	-0.1	2.21
	-0.1	2	9	-0.1	2.1
	0.11	1	5	-0.1	0.43
	0.14	6	17	-0.1	3.21
	0.16	6	13	-0.1	2.81
	-0.1	19	44	-0.1	6.08
	-0.1	17	38	-0.1	5.52

S - 17 S17	610249.8	7073777.8	772	S++	20	org	g yb	cl si	qv	
S - 18 S18	610218.3	7073815		S++	25	org	yb	si cl	qv	
S - 19 S19	610197.8	7073864.5		S++	25	org	yb	si cl	no rocks	
S - 20 S20	610178.4	7073911.1		S++	20	org	yb	si cl	s qv qms (c?)	
S - 21 S21	610157.5	7073954.6	808	S++	20	org	ob	si cl	qv	
S - 22 S22	610133.2	7074000.4		S++	20		yb	si cl	qms	
S - 23 S23	610098.5	7074053.1	797	S++	20		ob	s cl si	qms ox	
S - 20										
S - 24 dupl of	S - 20									

S 18
 DUP-S 18

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

TRaverse LS5
 GRAND FORKS 1:50,000 115-0/14
 Sampled: 19-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code	Au	Co	Ni	Pd	Ag
Analysis Unit	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Detection Limit	ppb	ppb	ppb	ppb	ppb
	0.1	1	3	0.1	0.1
	0.18	14	212	-0.1	12
	0.17	129	54	-0.1	3.67
	0.18	11	21	-0.1	39.9
	0.15	9	21	-0.1	24.6
	0.18	9	22	-0.1	37.5
	-0.1	6	10	-0.1	5.97
	-0.1	5	10	-0.1	2.35
	0.24	32	343	-0.1	7.77
	0.12	98	128	-0.1	9.44
	0.29	131	247	-0.1	1.46
	-0.1	11	44	-0.1	1.97
	0.23	9	317	-0.1	15.3
	-0.1	11	44	-0.1	1.97
	0.16	33	101	-0.1	5.17
	0.18	9	22	-0.1	37.5
	-0.1	7	18	-0.1	37.7

S - 50 S50	610788	7073128.5	776	S++	25	org	b yb	si cl	no rock	
S - 51 S51	610754.9	7073174		S++	25	org	yb	si cl	qms	
S - 52 S52	610731.4	7073210.3		S++	25		ob	si cl	qms	
S - 53 S53	610702.9	7073251.7		S++	25		ob	gr si cl	qv qms ox	
S - 54 S54	610673.3	7073295	816	S+	20		bob	gr si cl	qv qms	
S - 55 S55	610622.1	7073373.3		R	25		yb	gr cl si	qv	
S - 56 S56	610594.4	7073417.2		S++	25		b yb	si cl	qv	
S - 57 S57	610566.9	7073469.5	808	S++	30	w	grb	si cl	no rock	HEAVY MOSS
S - 58 S58	610543.8	7073508.7		S++	40	org	grb	cl	no rock	HEAVY MOSS
S - 59 S59	610517.7	7073549.1		S++	50	f org	grb	si cl	no rock	HEAVY MOSS
S - 60 S60	610494.1	7073588.4	772	S++	40	org	grb	si cl	no rock	HEAVY MOSS
S - 61 for	S - 50									
S - 60										
S - 62 dupl of	S - 60									

S 54
 DUP-S 54

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

TRaverse LS6 GRAND FORKS 1:50,000 115-0/14
 Sampled: 19-Sep-00 By: pl sj
 Sample Interval (m): 50

Scheme Code
 Analysis Unit
 Detection Limit

Au	Co	Ni	Pd	Ag
MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
-0.1	10	37	-0.1	1.4
-0.1	5	7	-0.1	1.38
-0.1	5	11	-0.1	0.72
-0.1	1	6	-0.1	0.19
-0.1	3	8	-0.1	0.71
-0.1	2	7	-0.1	0.32
-0.1	4	6	-0.1	0.65
-0.1	3	8	-0.1	0.95
-0.1	3	8	-0.1	6.68
-0.1	5	14	-0.1	15.5
-0.1	5	7	-0.1	30.9
-0.1	5	7	-0.1	5.12
-0.1	5	8	-0.1	8.27
-0.1	4	14	-0.1	4.82
0.11	12	40	-0.1	2.12
-0.1	4	6	-0.1	0.65
-0.1	5	6	-0.1	0.51
-0.1	3	8	-0.1	6.68
-0.1	4	9	-0.1	8.09

S - 34 S34	610999.9	7073650.4	720	S++	30	org	bgb	si cl	q ser s	
S - 35 S35	610924.7	7073585		S++	25		yb	s cl si	qte ser/s	
S - 36 S36	610889.3	7073553.2		S++	30	org	b yb	s cl si	qm/ser s	
S - 37 S37	610848.2	7073524.2		S++	25		yb	s cl si	q ser s	
S - 38 S38	610811	7073489.4	787	S++	25		yb	gr cl si	q ser s	
S - 39 S39	610771.5	7073454.5		S++	25		gb yb	s si si cl	qv qte ser/s	
S - 40 S40	610734.1	7073419.7		S++	20	org min	yb	si s	qms	
S - 41 S41	610695.3	7073385.5		S+	25		gb yb	cl si	q ser s	
S - 42 S42	610653.6	7073358.3	829	R	20		ob	si cl	qv	
S - 43 S43	610615.3	7073332.4		R	20		ob	si cl	qte c/s	
S - 44 S44	610572.7	7073301.6		R	20		ob	gr cl si	qms ox s	
S - 45 S45	610535.4	7073271.6		R	30		rb ob	cl si	qms	
S - 46 S46	610490.5	7073231.7	824	S	25		g yb	si cl	qv	
S - 47 S47	610447.5	7073204.5		S	20		ob	s si si cl	qms	
eoIS - 48 S48	610448	7073204	808	S	25	org	yb	si cl	qms ox s	

S - 40
 S - 49 dupl of S - 40

S 42
 DUP-S 42

APPENDIX II

Certificates of Analysis



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 060944

To: KSL Exploration Limited
Attn: R G Adamson
11th. Floor
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

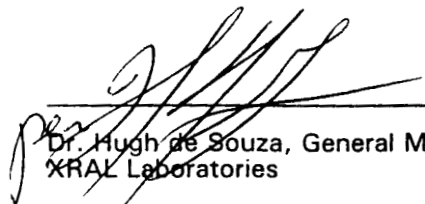
Date : 09/11/00

Copy 1 to :
Copy 2 to :
P.O. No. :
Project No. :
No. of Samples : 90 Soil (MMI)
Date Submitted : 05/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Discarded After 90 Days Unless Instructed!!!
Rejects: Discarded After 90 Days Unless Instructed!!!

Certified By :



Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

XRAL**XRAL Laboratories**
A Division of SGS Canada Inc.

Work Order: 060944

Date: 09/11/00

FINAL

Page 1 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
K-1010	0.12	11	27	<0.1	12.3
K-1011	0.17	12	27	0.14	6.90
K-1012	0.10	7	24	0.14	5.20
K-1013	0.15	7	18	0.15	5.13
K-1014	0.12	14	27	0.13	3.10
K-1015	0.16	11	28	0.11	6.90
K-1016	0.13	12	24	0.13	5.96
K-1017	<0.1	10	29	0.13	4.99
K-1018	0.11	23	29	0.11	5.89
K-1019	0.12	20	48	0.13	3.20
K-1020	<0.1	31	43	0.14	4.28
K-1021	<0.1	7	77	0.10	7.79
K-1022	0.18	158	223	<0.1	4.46
K-1023	0.23	176	470	0.14	6.68
K-1024	0.27	147	305	<0.1	2.11
K-1025	0.24	44	137	0.12	4.46
K-1026	0.34	138	285	<0.1	9.31
K-1027	0.48	93	352	0.14	4.35
K-1028	0.29	97	118	0.12	3.75
K-1029	<0.1	32	41	0.15	2.96
K-1030	<0.1	18	29	0.12	7.53
K-1031	<0.1	15	32	0.15	1.87
K-1032	<0.1	13	19	0.13	4.15
K-1033	0.22	9	39	<0.1	14.9
K-1034	<0.1	13	19	<0.1	8.85
K-1035	<0.1	17	87	0.13	6.54
K-1036	0.20	3	1260	0.12	20.9
K-1037	0.57	13	701	0.12	22.0
K-1038	<0.1	1	112	0.11	1.44
K-1039	0.20	5	530	<0.1	13.3
K-1040	<0.1	11	144	0.11	7.36
K-1041	<0.1	9	61	<0.1	0.40
K-1042	<0.1	82	269	<0.1	2.95
K-1043	0.13	41	73	0.11	5.78
K-1044	<0.1	4	104	<0.1	6.59
K-1045	<0.1	4	191	0.13	12.3
K-1046	<0.1	9	19	<0.1	11.1
K-1047	0.12	31	72	<0.1	6.61
K-1048	<0.1	12	39	<0.1	5.00
K-1049	0.20	118	416	<0.1	2.32
W-093	<0.1	7	19	<0.1	6.31
W-094	<0.1	7	17	<0.1	2.06
W-095	<0.1	24	19	0.11	1.26
W-096	<0.1	8	19	<0.1	1.03
W-097	<0.1	5	12	<0.1	0.11



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Work Order: 060944

Date: 09/11/00

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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
W-098	<0.1	8	20	<0.1	0.52
W-099	<0.1	4	12	<0.1	0.50
W-100	<0.1	4	10	<0.1	0.62
W-101	<0.1	2	11	<0.1	1.65
W-102	<0.1	3	6	<0.1	1.76
W-103	<0.1	5	13	<0.1	0.38
W-104	<0.1	9	21	0.15	0.48
W-105	<0.1	9	17	<0.1	1.60
W-106	<0.1	5	17	<0.1	8.05
W-107	<0.1	11	20	<0.1	3.56
W-108	<0.1	6	14	<0.1	3.31
W-109	<0.1	5	18	0.10	2.36
W-110	0.13	26	25	<0.1	11.7
W-111	<0.1	40	26	<0.1	3.88
W-112	<0.1	22	29	<0.1	4.29
W-113	<0.1	20	41	0.11	1.36
W-114	<0.1	16	38	0.11	2.26
W-115	<0.1	11	49	<0.1	1.67
W-116	<0.1	10	15	<0.1	6.13
W-117	<0.1	8	19	<0.1	0.36
W-118	<0.1	8	23	0.11	0.61
W-119	<0.1	12	18	0.12	1.72
W-120	0.11	51	29	<0.1	1.40
W-121	<0.1	7	11	<0.1	1.66
W-122	<0.1	2	9	<0.1	0.55
W-123	<0.1	24	22	<0.1	6.32
W-124	<0.1	18	15	0.15	3.59
LC-01	<0.1	3	21	<0.1	14.6
LC-02	<0.1	7	23	<0.1	4.27
LC-03	0.11	2	20	<0.1	1.47
LC-04	<0.1	3	12	<0.1	0.74
LC-05	<0.1	2	19	<0.1	4.29
LC-06	<0.1	5	19	<0.1	1.23
LC-07	<0.1	6	25	0.11	2.88
LC-08	<0.1	3	14	<0.1	4.86
LC-09	<0.1	4	10	<0.1	1.67
LC-10	<0.1	7	16	<0.1	4.90
LC-11	0.54	2	19	<0.1	14.3
LC-12	<0.1	5	48	<0.1	16.4
LC-13	0.12	1	17	<0.1	1.14
LC-14	<0.1	6	22	<0.1	1.76
LC-15	<0.1	20	48	0.14	6.31
LC-16	<0.1	45	75	<0.1	19.6
LC-17	<0.1	13	36	<0.1	13.6
LC-18	<0.1	6	101	<0.1	14.1



XRAL Laboratories
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Work Order: 060944

Date: 09/11/00

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Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K-1010	<0.1	10	23	<0.1	10.6
*Dup K-1022	0.15	138	203	<0.1	4.14
*Dup K-1034	<0.1	11	17	<0.1	8.37
*Dup K-1046	<0.1	7	17	0.13	10.8
*Dup W-101	<0.1	2	12	0.10	1.44
*Dup W-113	<0.1	17	32	<0.1	1.20
*Dup LC-01	<0.1	3	18	<0.1	16.2
*Dup LC-13	<0.1	2	19	<0.1	1.33



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 061249

To: KSL Exploration Limited
Attn: R G Adamson
11th. Floor
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 09/11/00

Copy 1 to :

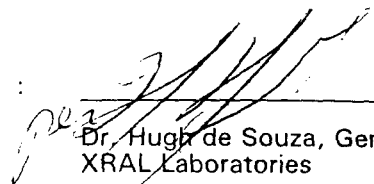
Copy 2 to :

P.O. No. :
Project No. : STRIKE/KSL/KLONDIKE
No. of Samples : 102 Soil(MMI)
Date Submitted : 25/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By :



Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 061249

Date: 09/11/00

FINAL

Page 1 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
LC 019	<0.1	13	7	<0.1	0.12
LC 020	<0.1	12	19	0.12	1.55
LC 021	<0.1	3	11	<0.1	0.85
LC 022	<0.1	3	6	0.10	0.28
LC 023	<0.1	5	13	<0.1	2.36
LC 024	<0.1	10	12	<0.1	0.27
LC 025	<0.1	8	9	<0.1	0.49
LC 026	<0.1	10	13	<0.1	<0.1
LC 027	<0.1	4	10	0.15	6.18
LC 028	0.11	14	18	<0.1	3.26
LC 029	<0.1	1	246	0.15	8.23
LC 030	<0.1	20	44	<0.1	2.82
LC 031	<0.1	4	12	<0.1	1.08
LC 032	<0.1	5	10	0.12	1.30
LC 033	0.13	5	17	0.12	9.19
LC 034	0.17	9	10	0.14	3.51
LC 035	0.43	59	32	0.15	349
LC 036	<0.1	20	28	<0.1	11.1
LC 037	<0.1	15	21	0.14	4.70
LC 038	<0.1	24	27	<0.1	9.38
LC 039	<0.1	7	15	0.10	23.6
LC 040	<0.1	4	6	0.15	1.04
LC 041	<0.1	8	7	<0.1	3.79
LC 042	<0.1	5	8	<0.1	0.99
LC 043	<0.1	7	10	<0.1	1.17
LC 044	0.12	33	57	<0.1	6.76
LC 045	<0.1	25	90	<0.1	6.41
LC 046	<0.1	37	26	<0.1	20.3
LC 047	<0.1	31	45	<0.1	10.5
LC 048	<0.1	12	98	<0.1	6.75
LC 049	<0.1	31	43	<0.1	169
LC 050	<0.1	74	41	<0.1	2.02
LC 051	<0.1	31	23	<0.1	0.96
LC 052	<0.1	16	19	0.11	2.99
LC 053	<0.1	42	58	<0.1	3.78
LC 054	<0.1	27	31	<0.1	2.71
LC 055	<0.1	33	42	0.14	6.18
LC 056	<0.1	42	153	<0.1	10.4
LC 057	<0.1	37	38	<0.1	2.45
LC 058	<0.1	14	20	<0.1	2.34
LC 059	<0.1	28	23	<0.1	1.75
LC 060	0.16	45	569	<0.1	9.00
LC 061	0.11	96	61	0.14	2.28
LC 062	0.11	18	25	0.11	2.34
LC 063	<0.1	9	12	<0.1	0.37



XRAL Laboratories
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Work Order: 061249

Date: 09/11/00

FINAL

Page 2 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
LC 064	<0.1	15	28	<0.1	1.03
LC 065	<0.1	40	17	<0.1	1.51
LC 066	<0.1	22	22	<0.1	1.80
LC 067	<0.1	18	42	0.11	2.49
LC 068	<0.1	7	8	<0.1	1.60
LC 069	0.19	78	68	0.15	5.00
LC 070	0.28	7	564	0.15	9.49
LC 071	<0.1	9	23	<0.1	16.1
LC 072	0.16	14	52	0.14	18.6
LC 073	0.14	7	35	<0.1	20.1
LC 074	<0.1	4	26	0.14	1.71
LC 075	0.21	11	34	<0.1	2.55
LC 076	0.10	19	36	0.12	4.39
LC 077	0.11	40	52	0.12	35.4
LC 078	<0.1	2	781	0.15	6.96
LC 079	<0.1	7	315	<0.1	5.63
LC 080	0.15	10	1270	<0.1	10.3
LC 081	0.10	67	223	0.13	7.14
LC 082	<0.1	30	105	<0.1	6.06
LC 083	0.20	82	215	<0.1	5.37
LC 084	0.20	425	200	<0.1	1.91
LC 085	<0.1	52	98	<0.1	6.53
LC 086	<0.1	15	19	<0.1	20.4
LC 087	<0.1	88	120	<0.1	5.02
LC 088	0.15	24	48	<0.1	1.78
LC 089	<0.1	23	41	<0.1	1.70
LC 090	<0.1	10	21	<0.1	0.37
LC 091	<0.1	16	39	<0.1	2.46
LC 092	0.13	12	34	0.11	0.81
LC 093	0.11	23	47	<0.1	1.04
LC 094	0.12	24	151	<0.1	2.75
LC 095	<0.1	22	40	<0.1	3.19
LC 096	<0.1	42	56	0.12	1.97
LC 097	0.27	12	660	<0.1	32.2
LC 098	0.22	18	1120	0.11	29.3
LC 099	<0.1	11	23	<0.1	0.59
LC 100	<0.1	11	23	0.11	2.86
LC 101	0.17	27	40	<0.1	12.9
LC 102	0.15	25	44	<0.1	14.9
LC 103	<0.1	17	32	<0.1	2.84
LC 104	<0.1	11	21	<0.1	1.70
LC 105	0.12	1	104	<0.1	10.2
LC 106	<0.1	1	80	0.14	2.72
LC 107	<0.1	5	38	0.10	2.92
LC 108	<0.1	3	81	0.10	5.38



XRAL Laboratories
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Work Order: 061249

Date: 09/11/00

FINAL

Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
LC 109	<0.1	4	44	0.13	4.80
LC 110	0.10	27	49	<0.1	1.13
LC 111	0.15	6	48	0.10	3.82
LC 112	<0.1	33	60	<0.1	3.56
LC 113	<0.1	9	55	0.12	7.50
LC 114	<0.1	9	52	<0.1	8.00
LC 115	<0.1	12	23	<0.1	9.27
LC 116	<0.1	5	27	<0.1	1.64
LC 117	<0.1	12	21	<0.1	0.28
LC 118	<0.1	6	11	<0.1	0.59
LC 119	<0.1	8	16	0.13	9.07
LC 120	<0.1	13	46	<0.1	1.34
*Dup LC 019	<0.1	15	9	<0.1	0.21
*Dup LC 031	<0.1	4	13	<0.1	0.96
*Dup LC 043	<0.1	8	12	<0.1	1.12
*Dup LC 055	<0.1	38	49	0.11	3.62
*Dup LC 067	<0.1	22	43	<0.1	2.50
*Dup LC 079	<0.1	7	306	<0.1	5.61
*Dup LC 091	<0.1	19	38	<0.1	2.56
*Dup LC 103	<0.1	14	27	<0.1	2.50
*Dup LC 115	<0.1	12	23	<0.1	7.02



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 061250

To: **KSL Exploration Limited**
Attn: **R G Adamson**
11th. Floor
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 09/11/00

Copy 1 to :

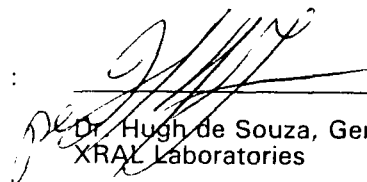
Copy 2 to :

P.O. No. :
Project No. : Kbrdike/KSL/Strike
No. of Samples : 105 Soil(MMI)
Date Submitted : 25/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 061250 Date: 09/11/00

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Page 1 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
N 01	0.20	3	17	<0.1	7.94
N 02	<0.1	13	13	<0.1	1.10
N 03	<0.1	4	12	<0.1	0.50
N 04	0.14	20	24	<0.1	3.08
N 05	0.13	3	19	<0.1	1.48
N 06	<0.1	5	27	<0.1	2.57
N 07	<0.1	8	10	<0.1	0.62
N 08	0.17	16	24	<0.1	7.37
N 09	0.11	8	24	<0.1	0.27
N 10	0.20	5	15	<0.1	0.80
N 11	<0.1	6	22	<0.1	1.30
N 12	0.20	7	15	<0.1	1.18
N 13	0.14	5	12	<0.1	4.27
N 14	0.13	9	21	<0.1	2.37
N 15	0.15	52	27	<0.1	2.09
N 16	0.12	10	14	<0.1	1.53
N 17	0.14	6	21	<0.1	0.76
N 18	<0.1	5	11	<0.1	2.78
N 19	<0.1	2	60	<0.1	7.31
N 20	0.28	8	46	<0.1	4.34
N 21	0.21	2	67	<0.1	12.2
N 22	0.37	3	144	<0.1	13.9
N 23	<0.1	10	9	<0.1	0.81
N 24	0.20	16	35	<0.1	1.71
N 25	0.24	13	48	<0.1	4.81
N 26	0.20	23	30	<0.1	8.18
N 27	0.13	11	13	<0.1	3.86
N 28	0.21	34	14	<0.1	2.42
N 29	0.25	2	84	<0.1	9.28
N 30	0.22	15	33	<0.1	2.12
N 31	0.33	4	134	<0.1	14.5
N 32	0.23	3	92	<0.1	4.64
N 33	0.26	3	134	<0.1	7.44
N 34	0.23	2	133	<0.1	7.17
N 35	0.27	2	260	<0.1	3.44
N 36	0.24	3	145	<0.1	12.2
N 37	0.29	7	368	<0.1	3.61
N 38	0.14	3	36	<0.1	2.27
N 39	0.19	9	123	<0.1	4.75
N 40	0.12	2	100	<0.1	1.41
N 41	<0.1	71	32	<0.1	0.85
N 42	<0.1	13	29	<0.1	1.21
N 43	0.19	2	82	<0.1	3.87
S 01	0.16	18	117	<0.1	5.62
S 02	<0.1	4	25	<0.1	11.3



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 061250

Date: 09/11/00

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Page 2 of 3

Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
S 03	<0.1	2	53	<0.1	16.3
S 04	<0.1	14	134	<0.1	22.1
S 05	0.23	9	41	<0.1	6.75
S 06	0.16	42	267	<0.1	15.6
S 07	0.21	18	263	<0.1	9.01
S 08	0.16	15	26	<0.1	2.53
S 09	<0.1	14	29	<0.1	3.37
S 10	<0.1	31	43	<0.1	2.82
S 11	0.10	27	45	<0.1	4.87
S 12	<0.1	6	21	<0.1	7.02
S 13	0.27	3	19	<0.1	5.98
S 14	0.13	25	24	<0.1	7.78
S 15	0.23	19	50	<0.1	85.3
S 16	0.18	30	85	<0.1	8.32
S 17	0.12	9	34	<0.1	8.29
S 18	<0.1	19	44	<0.1	6.08
S 19	0.22	10	41	<0.1	4.71
S 20	0.14	6	17	<0.1	3.21
S 21	<0.1	4	9	<0.1	2.21
S 22	<0.1	2	9	<0.1	2.10
S 23	0.11	1	5	<0.1	0.43
S 24	0.16	6	13	<0.1	2.81
S 25	0.13	7	25	<0.1	6.43
S 26	<0.1	6	20	<0.1	10.8
S 27	0.19	9	36	<0.1	2.30
S 28	0.13	5	40	<0.1	1.84
S 29	0.17	22	53	<0.1	2.58
S 30	<0.1	5	22	<0.1	1.45
S 31	<0.1	3	54	<0.1	5.24
S 32	0.14	9	46	<0.1	3.98
S 33	<0.1	5	30	<0.1	3.74
S 34	<0.1	10	37	<0.1	1.40
S 35	<0.1	5	7	<0.1	1.38
S 36	<0.1	5	11	<0.1	0.72
S 37	<0.1	1	6	<0.1	0.19
S 38	<0.1	3	8	<0.1	0.71
S 39	<0.1	2	7	<0.1	0.32
S 40	<0.1	4	6	<0.1	0.65
S 41	<0.1	3	8	<0.1	0.95
S 42	<0.1	3	8	<0.1	6.68
S 43	<0.1	3	8	<0.1	15.5
S 44	<0.1	5	14	<0.1	30.9
S 45	<0.1	5	7	<0.1	5.12
S 46	<0.1	5	8	<0.1	8.27
S 47	<0.1	4	14	<0.1	4.82



XRAL Laboratories
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Work Order: 061250

Date: 09/11/00

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Page 3 of 3

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
S 48	0.11	12	40	<0.1	2.12
S 49	<0.1	5	6	<0.1	0.51
S 50	0.18	14	212	<0.1	12.0
S 51	0.17	129	54	<0.1	3.67
S 52	0.18	11	21	<0.1	39.9
S 53	0.15	9	21	<0.1	24.6
S 54	0.18	9	22	<0.1	37.5
S 55	<0.1	6	10	<0.1	5.97
S 56	<0.1	5	10	<0.1	2.35
S 57	0.24	32	343	<0.1	7.77
S 58	0.12	98	128	<0.1	9.44
S 59	0.29	131	247	<0.1	1.46
S 60	<0.1	11	44	<0.1	1.97
S 61	0.23	9	317	<0.1	15.3
S 62	0.16	33	101	<0.1	5.17
*Dup N 01	<0.1	3	16	<0.1	6.80
*Dup N 13	<0.1	3	10	<0.1	3.80
*Dup N 25	0.14	12	47	<0.1	4.08
*Dup N 37	0.21	5	410	<0.1	3.86
*Dup S 06	0.13	45	321	<0.1	16.8
*Dup S 18	<0.1	17	38	<0.1	5.52
*Dup S 30	<0.1	6	26	<0.1	1.60
*Dup S 42	<0.1	4	9	<0.1	8.09
*Dup S 54	<0.1	7	18	<0.1	37.7



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 061251

To: **KSL Exploration Limited**
Attn: **R G Adamson**
11th. Floor
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 09/11/00

Copy 1 to :

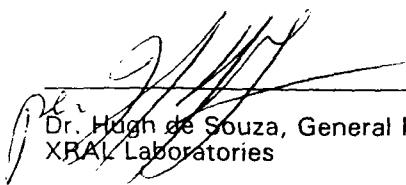
Copy 2 to :

P.O. No. :
Project No. : STRIKE/KSL/KLONDIKE
No. of Samples : 3 Soil(MMI)
Date Submitted : 25/09/00
Report Comprises : Cover Sheet plus
Pages 1 to 1

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By :


Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



XRAL Laboratories
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Work Order: 061251 Date: 09/11/00

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Page 1 of 1

Element.	Au	Pt	Pd
Method.	FA301	FA301	FA301
Det.Lim.	1	10	1
Units.	ppb	ppb	ppb
RRN-01	<1	<10	2
LCR-01	<1	10	4
CHC-01	<1	<10	1
*Dup RRN-01	<1	<10	1



XRAL Laboratories
A Division of SGS Canada Inc.

1885 Leslie Street
Don Mills, Ontario
Canada M3B 3J4
Telephone (416) 445-5755
Fax (416) 445-4152

CERTIFICATE OF ANALYSIS

Work Order: 061540

To: KSL Exploration Limited
Attn: R G Adamson
11th. Floor
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 22/11/00

Copy 1 to :
Copy 2 to :
P.O. No. :
Project No. :
No. of Samples : 114 Soil(MMI)
Date Submitted : 16/10/00
Report Comprises : Cover Sheet plus
Pages 1 to 3

Distribution of unused material:

Pulps: Store.
Rejects: Store.

Certified By :

Dr. Hugh de Souza, General Manager
XRAL Laboratories

ISO 9002 REGISTERED

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion



XRAL Laboratories
A Division of SGS Canada Inc.

Work Order: 061540

Date: 22/11/00

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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
H 01	<0.1	16	45	0.11	41.0
H 02	<0.1	18	32	<0.1	30.3
H 03	<0.1	6	63	<0.1	20.7
H 04	<0.1	4	12	<0.1	15.5
H 05	<0.1	13	15	<0.1	34.1
H 06	<0.1	6	20	<0.1	70.7
H 07	0.10	3	90	<0.1	33.2
H 08	<0.1	6	25	<0.1	23.2
H 09	<0.1	7	21	<0.1	11.6
H 10	<0.1	8	21	<0.1	90.4
H 11	<0.1	9	14	<0.1	125
H 12	<0.1	4	38	<0.1	26.1
H 13	<0.1	9	32	<0.1	13.2
H 14	<0.1	5	66	<0.1	84.8
H 15	<0.1	9	25	<0.1	20.8
H 16	0.26	7	14	<0.1	136
H 17	0.12	4	16	<0.1	54.8
H 18	0.17	1	30	<0.1	60.2
H 19	<0.1	<1	26	<0.1	81.8
H 20	<0.1	1	54	<0.1	115
H 21	0.68	3	15	<0.1	213
H 22	<0.1	1	25	<0.1	61.1
H 23	<0.1	5	26	<0.1	23.7
H 24	<0.1	7	21	<0.1	15.3
H 25	<0.1	8	54	<0.1	37.8
H 26	0.28	8	17	<0.1	25.2
H 27	<0.1	2	12	<0.1	15.4
H 28	<0.1	20	12	0.11	5.44
H 29	<0.1	11	17	<0.1	18.8
H 30	<0.1	5	21	<0.1	18.3
H 31	0.11	4	23	0.14	9.48
H 32	<0.1	10	20	<0.1	17.1
H 33	<0.1	6	28	<0.1	27.8
H 34	<0.1	13	21	<0.1	45.5
H 35	<0.1	12	16	<0.1	11.7
H 36	<0.1	8	14	<0.1	49.5
H 37	<0.1	2	36	<0.1	101
H 38	<0.1	4	14	<0.1	50.1
H 39	<0.1	27	39	<0.1	38.8
H 40	0.11	9	17	<0.1	58.4
H 41	<0.1	13	21	<0.1	6.89
H 42	<0.1	12	24	0.19	6.11
H 43	<0.1	4	14	<0.1	14.0
H 44	<0.1	8	16	<0.1	45.6
H 45	<0.1	5	22	<0.1	58.9



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Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
H 46	<0.1	5	23	<0.1	30.3
H 47	0.16	11	21	0.10	77.9
H 48	<0.1	28	29	<0.1	10.1
H 49	<0.1	3	27	0.12	2.91
H 50	<0.1	33	17	<0.1	2.02
H 51	<0.1	7	21	<0.1	19.0
H 52	0.12	13	104	<0.1	20.7
H 53	<0.1	<1	153	<0.1	1.58
H 54	<0.1	3	87	<0.1	11.3
H 55	<0.1	2	101	<0.1	19.4
H 56	<0.1	32	23	<0.1	4.03
LC 121	0.11	4	42	<0.1	37.5
LC 122	<0.1	10	37	0.10	40.0
LC 123	0.42	21	37	0.11	29.7
LC 124	0.12	14	33	<0.1	13.6
LC 125	0.41	26	73	0.10	23.2
LC 126	<0.1	11	22	<0.1	2.16
LC 127	0.23	15	18	0.10	4.22
LC 128	<0.1	17	59	<0.1	15.3
LC 129	<0.1	20	23	<0.1	3.98
LC 130	<0.1	6	15	<0.1	5.98
LC 131	<0.1	16	14	<0.1	4.09
LC 132	0.17	18	24	<0.1	6.46
LC 133	<0.1	3	18	<0.1	5.22
LC 134	<0.1	3	10	0.15	1.86
LC 135	<0.1	3	11	<0.1	4.15
LC 136	<0.1	2	11	<0.1	2.46
LC 137	<0.1	3	8	<0.1	2.59
LC 138	<0.1	31	12	<0.1	2.14
LC 139	<0.1	11	15	<0.1	4.47
LC 140	0.27	45	609	0.26	59.3
LC 141	0.13	6	16	<0.1	13.6
LC 142	0.19	11	515	0.29	36.2
LC 143	0.10	43	96	<0.1	6.44
LC 144	<0.1	20	44	<0.1	4.47
LC 145	<0.1	48	47	0.15	3.93
LC 146	<0.1	64	49	0.10	2.94
LC 147	<0.1	54	40	0.10	2.18
LC 148	<0.1	19	70	<0.1	6.64
LC 149	<0.1	11	87	<0.1	8.27
LC 150	0.13	26	171	0.11	1.25
LC 151	0.21	17	289	0.12	33.3
LC 152	<0.1	15	29	<0.1	4.22
LC 153	<0.1	12	29	<0.1	5.70
LC 154	<0.1	19	23	<0.1	1.55



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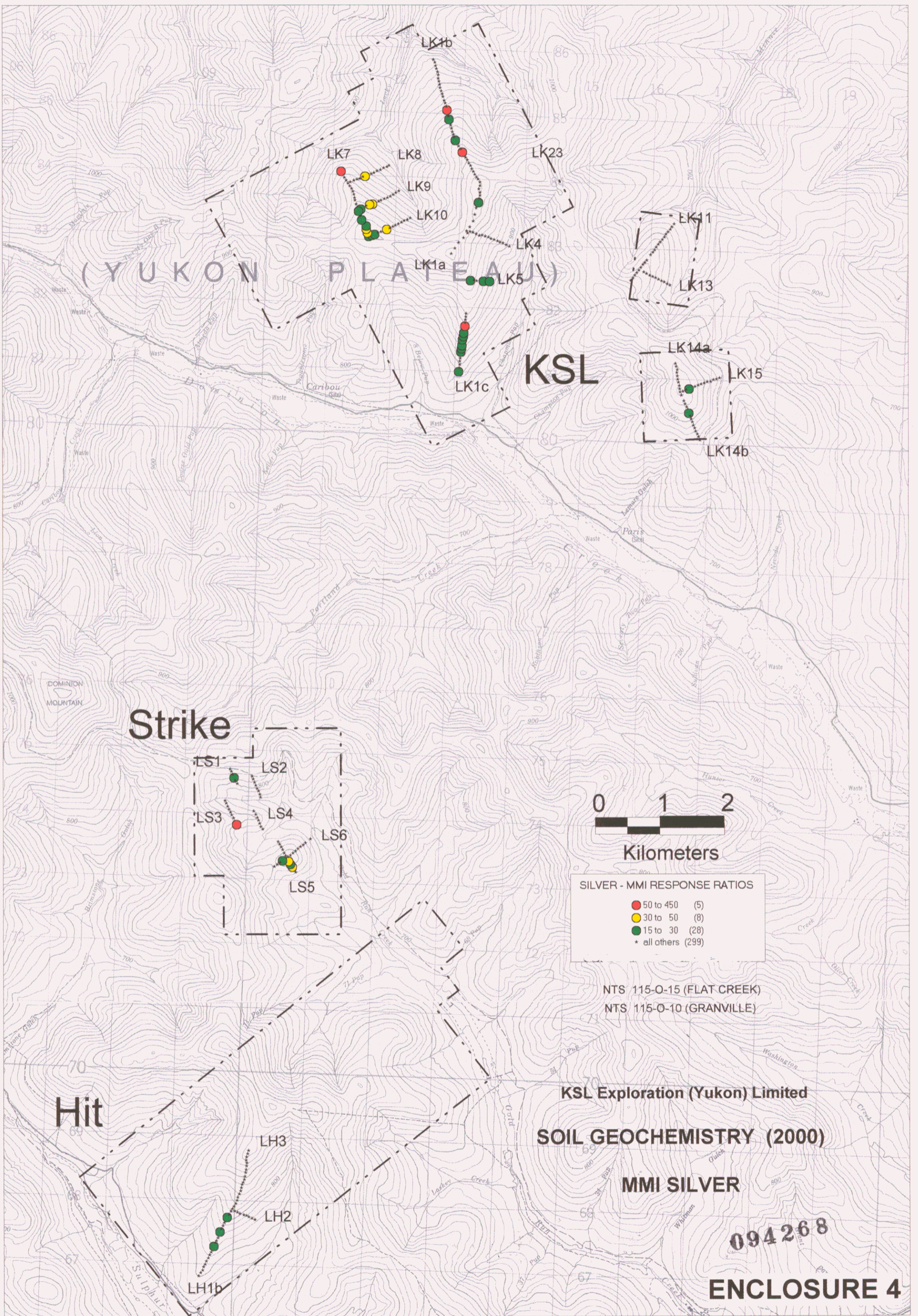
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Element. Method. Det.Lim. Units.	Au MMI-B 0.1 ppb	Co MMI-B 1 ppb	Ni MMI-B 3 ppb	Pd MMI-B 0.1 ppb	Ag MMI-B 0.1 ppb
LC 155	<0.1	8	26	<0.1	2.58
LC 156	<0.1	4	16	<0.1	1.30
LC 157	0.12	2	124	0.14	6.59
LC 158	<0.1	6	84	<0.1	23.9
LC 159	<0.1	2	108	<0.1	6.09
LC 160	<0.1	1	66	<0.1	7.24
LC 161	<0.1	1	50	<0.1	8.95
LC 162	<0.1	3	27	<0.1	9.50
LC 163	<0.1	63	122	<0.1	7.41
LC 164	<0.1	13	77	<0.1	15.8
LC 165	<0.1	<1	109	<0.1	27.2
LC 166	<0.1	<1	71	<0.1	15.5
LC 167	<0.1	2	26	<0.1	14.3
LC 168	0.18	50	88	<0.1	30.0
LC 169	0.15	18	48	<0.1	18.3
LC 170	<0.1	2	57	<0.1	27.9
LC 171	<0.1	1	39	<0.1	11.2
LC 172	0.26	<1	48	<0.1	52.1
LC 173	<0.1	5	42	<0.1	8.51
LC 174	<0.1	4	29	<0.1	9.02
LC 175	<0.1	34	26	<0.1	5.75
LC 176	<0.1	<1	68	<0.1	11.7
LC 177	<0.1	<1	88	<0.1	6.36
LC 178	<0.1	5	60	<0.1	28.2
*Dup H 01	<0.1	15	39	<0.1	34.3
*Dup H 13	<0.1	10	35	<0.1	12.3
*Dup H 25	<0.1	8	50	<0.1	36.9
*Dup H 37	<0.1	2	40	<0.1	78.9
*Dup H 49	<0.1	3	22	<0.1	2.38
*Dup LC 125	0.48	23	62	<0.1	20.0
*Dup LC 137	<0.1	2	8	<0.1	2.65
*Dup LC 149	<0.1	13	98	<0.1	7.18
*Dup LC 161	<0.1	1	44	<0.1	7.46
*Dup LC 173	<0.1	5	38	<0.1	8.16

APPENDIX III

1 x 1.44mb diskette containing 2 files:

KSLLEDGER00.XLS (Soil Geochemical Master Ledger)
TRPLOT.PDF (Bar chart plots of MMI & -80# data by traverse))



(YUKON PLATEAU)

KSL

Strike



SILVER - MMI RESPONSE RATIOS

● 50 to 450	(5)
● 30 to 50	(8)
● 15 to 30	(28)
• all others	(299)

NTS 115-O-15 (FLAT CREEK)
NTS 115-O-10 (GRANVILLE)

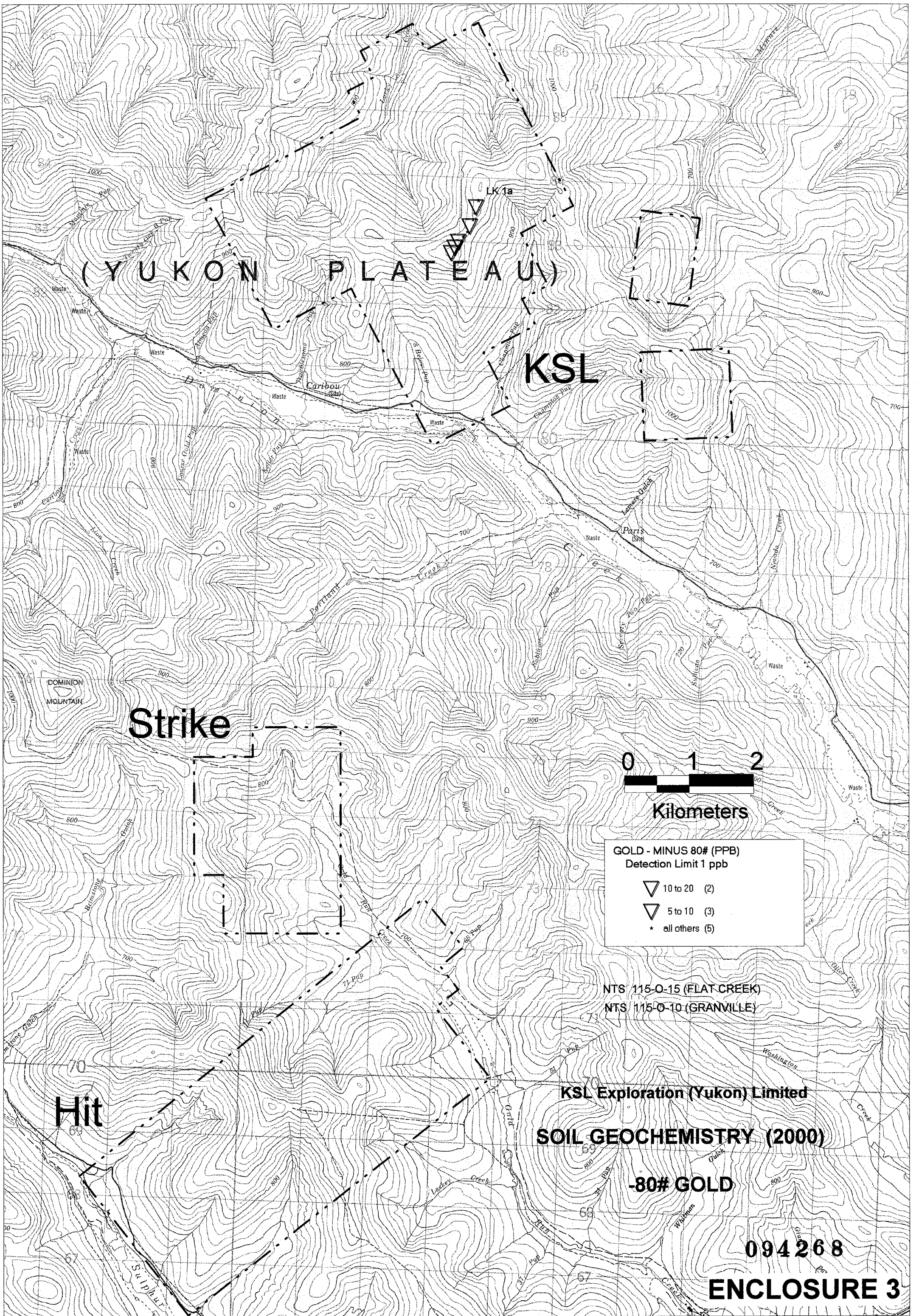
Hit

KSL Exploration (Yukon) Limited
SOIL GEOCHEMISTRY (2000)

MMI SILVER

094268

ENCLOSURE 4

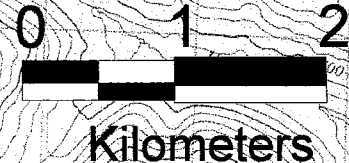


(YUKON PLATEAU)

KSL

Strike

Hit



GOLD - MINUS 80# (PPB)
Detection Limit 1 ppb

- ▽ 10 to 20 (2)
- △ 5 to 10 (3)
- * all others (5)

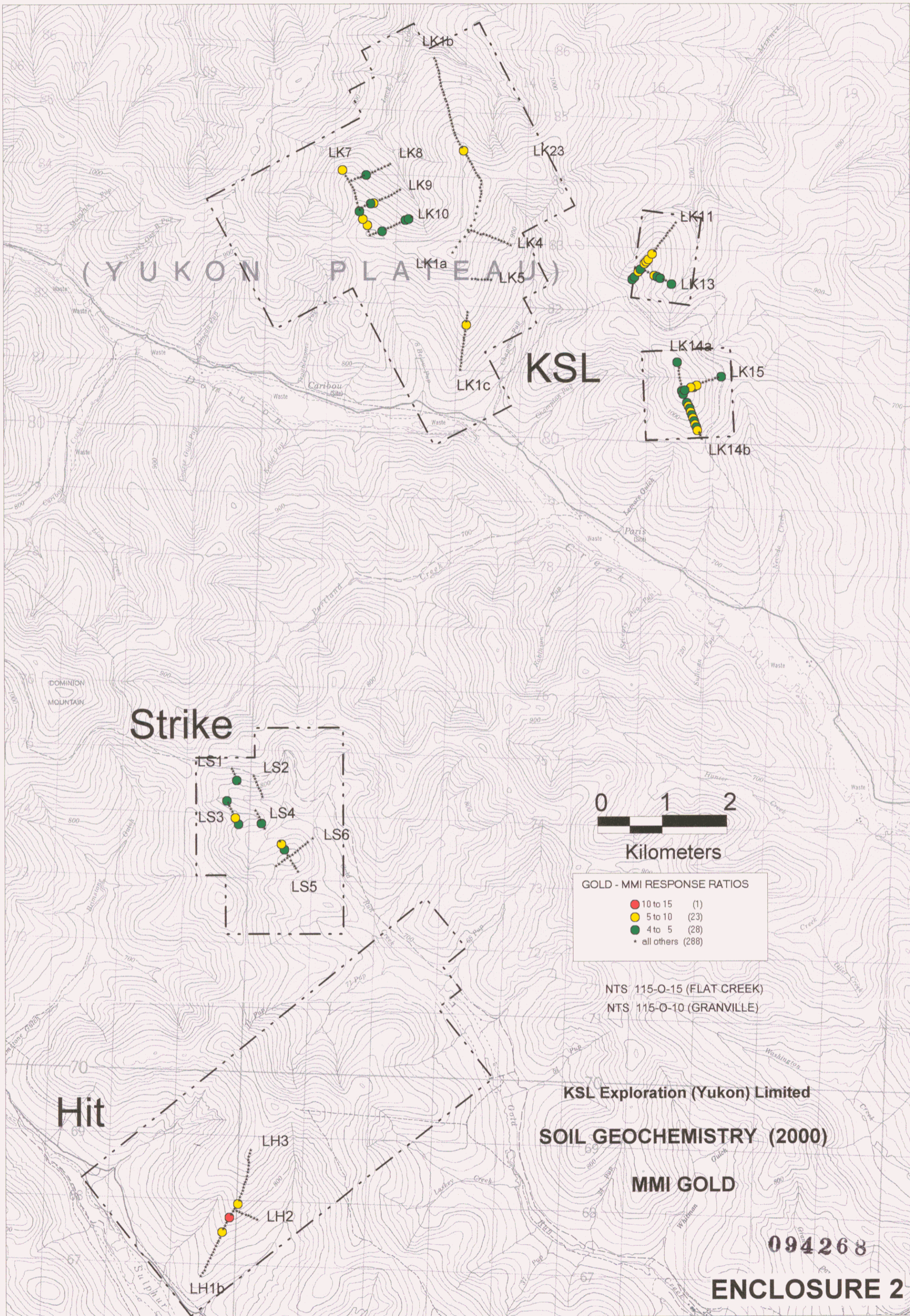
NTS 115-0-15 (FLAT CREEK)
NTS 115-0-10 (GRANVILLE)

KSL Exploration (Yukon) Limited
SOIL GEOCHEMISTRY (2000)

-80# GOLD

094268

ENCLOSURE 3



(YUKON PLATEAU)

KSL

Strike

Hit



GOLD - MMI RESPONSE RATIOS

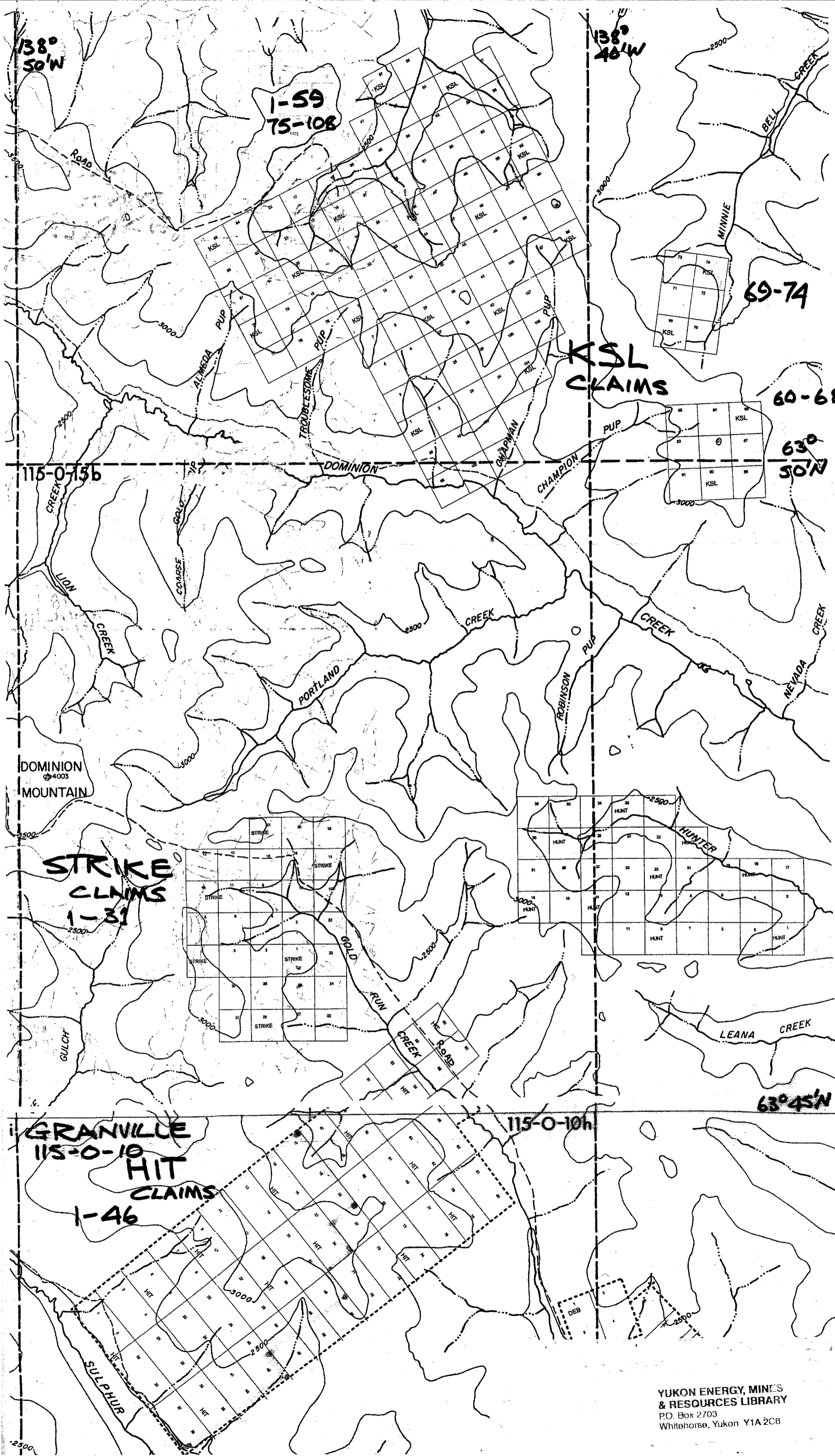
● 10 to 15	(1)
● 5 to 10	(23)
● 4 to 5	(28)
*	all others (288)

NTS 115-O-15 (FLAT CREEK)
NTS 115-O-10 (GRANVILLE)

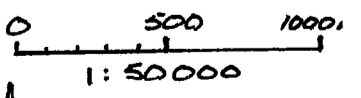
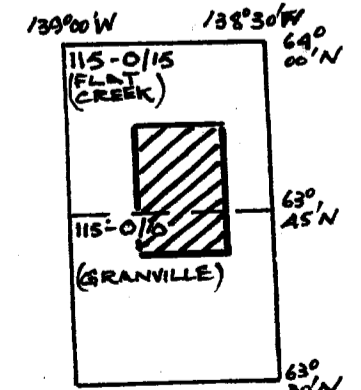
KSL Exploration (Yukon) Limited
SOIL GEOCHEMISTRY (2000)
MMI GOLD

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ENCLOSURE 2



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1

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