KSL Exploration (Yukon) Limited

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

Assessment Report for the Renewal of WEDGE, MICE, BOBO, and FUR Claim Groups, Bonanza Creek – Bear Creek District, Dawson Mining District

NTS Reference: 115 O/14

Geographic Co-ordinates (central):

WEDGE Claims: 139° 07' W, 63° 55' N
MICE Claims: 139° 15' W, 63° 56' N
BOBO Claims: 139° 13' 30" W, 63° 58' N
FUR Claim: 139° 13' 30" W, 63° 59' N

Assessment Work: Geochemical soil surveys, geological data recording, GPS surveys (including surveys on adjacent KLONDIKE, ACT and GAP claims)

February 2005

Authors:

R.G. Adamson and C.M. Thomas
Consulting Geologists and Directors of KSL Exploration (Yukon) Limited

Report prepared for:
The Dawson Mining Recorder
Dawson City, Yukon Territory

KSL Exploration (Yukon) Limited

CONTENTS

1. INTRODUCTION

This report is one of two reports covering gold exploration undertaken in the 2004 field season on the JV Claim Block in the northern half of the Klondike Goldfield. The exploration program is managed by KSL Exploration (Yukon) Limited (KSL Yukon) on behalf of its JV partner PacRim Resources Limited.

This report covers all the soil geochemical surveys completed in 2004 within the JV Claim Block, and a separate report (Adamson and Thomas, 2005 in prep) will provide the results of a major diamond drilling program on the claims. Thus, for the purpose of completeness, this report on the soil geochemical surveys includes work not directly credited to the renewal of the MICE, BOBO, FUR and WEDGE claim groups.

1.1 LOCATION OF CLAIMS

The MICE/BOB/FUR and WEDGE claim groups, the statutory subject of this Assessment Report, are located in the west and south respectively of KSL Yukon's JV Claim Block (Figure 1).

These claims are situated in the northern half of the Klondike Goldfield between Bonanza Creek, Hunker Creek and Bear Creek, centred at 139° 10' W, 63° 56' N.

The claims are all located on NTS 115 0/14 (Grand Forks) and are some 15 to 20 km southeast of Dawson City.

1.2 ACCESS

The area of the claims has excellent access from Dawson City via the Tourist Loop Road from Guggieville and 4-wheel drive tracks along the ridge between Queen Gulch and Gauvin Gulch and up Homestake Gulch. Alternatively, there is an excellent 4-wheel drive track up Bear Creek from the settlement of that name in the Klondike Valley, 10 km east of Dawson City. All the 4-wheel drive tracks join the Heritage (Ridge) Trail which extends northwest to southeast through the JV Claim Block.

1.3 SCHEDULE OF CLAIMS

Appendix 1 contains a list of the MICE, BOBO, FUR and WEDGE claims, the subject of this Assessment Report.

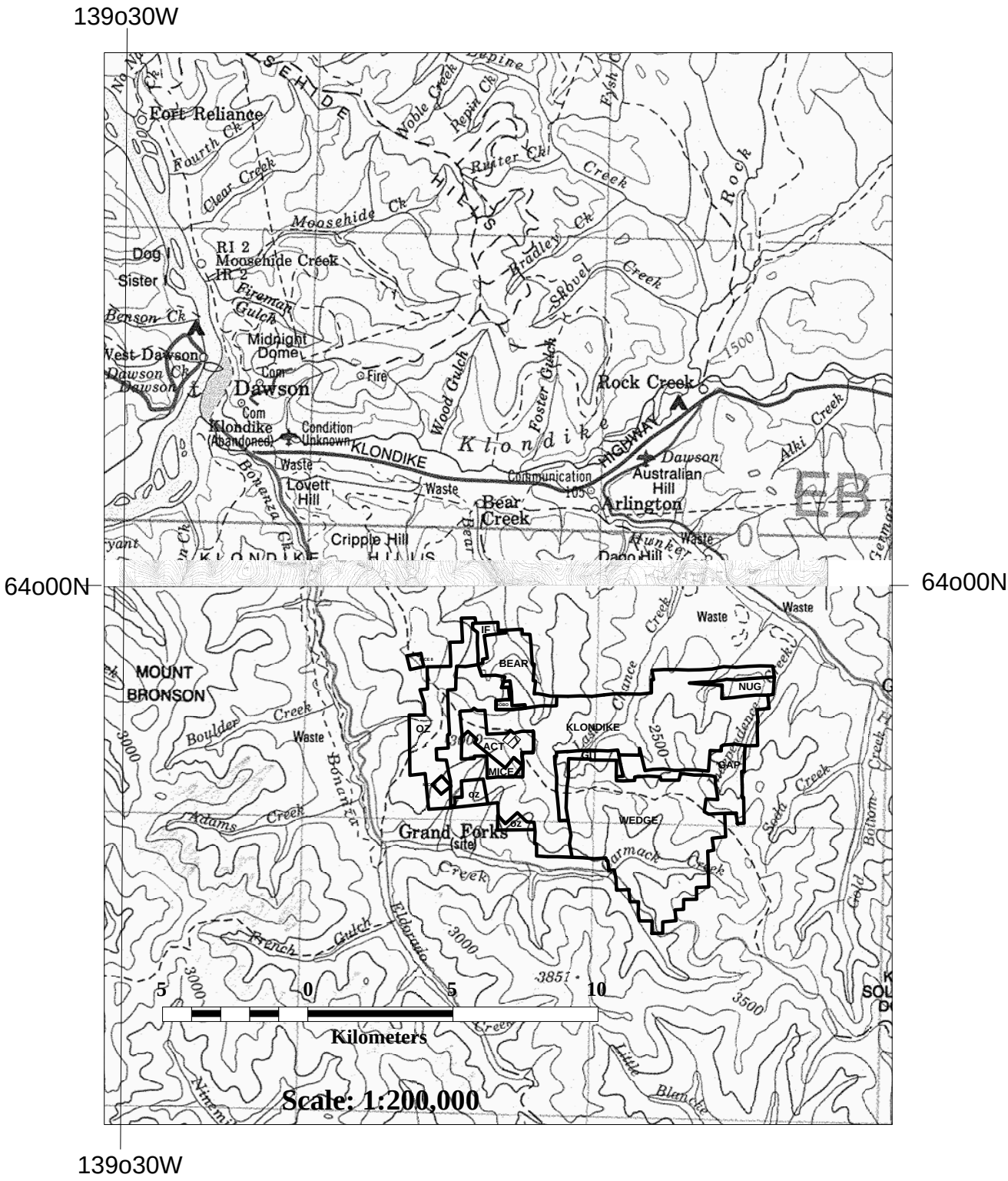
1.4 BASIS FOR CLAIMS

The JV Claim Blocks were staked over the period 1999-2004 in order to explore the northern sector of the Klondike Goldfield for "Pogo" style gold mineralisation as the source of the rich alluvial gold deposits in the adjacent creeks. The claim block is situated in the headwaters of Bonanza Creek, Bear Creek, and Last Chance/lower Hunker creeks, all of which creeks have produced individually over 1 million oz. gold.

2. PREVIOUS EXPLORATION

Previous exploration in this area, prior to the KSL Yukon-PacRim Resources JV staking claims, has been summarised in previous JV exploration reports (Adamson and Thomas, 2000, 2001 and 2002). These reports also provide full details of work conducted by KSL Yukon as the JV operator. All previous work has consisted of surface surveys, largely geochemical [#80 mesh, Mobile Metal Ion (MMI) by KSL Yukon] and limited geophysical (IP) surveys.

In 2000/2001, the Geological Survey of Canada covered the area with a low level (120m) aeromagnetic-radiometric survey at a 500m line spacing. This survey provided no features which, to



KSL EXPLORATION (YUKON) LIMITED

LOCATION - CLAIMS BLOCKS : KLONDIKE, WEDGE, GAP, MICE, OZ et al

FIGURE 1

LEGEND

Aeromagnetic Low

2004 Soil Geochemistry Lines

★ **K121**

GOLD -80# 2004 PPB
Mean=4 Std Dev=7

▲	25 to 1,200	(9)
△	18 to 25	(4)
▲	11 to 18	(15)
*	all others	(398)

ARSENIC -80# 2004 PPM
Mean=30 Std Dev=75

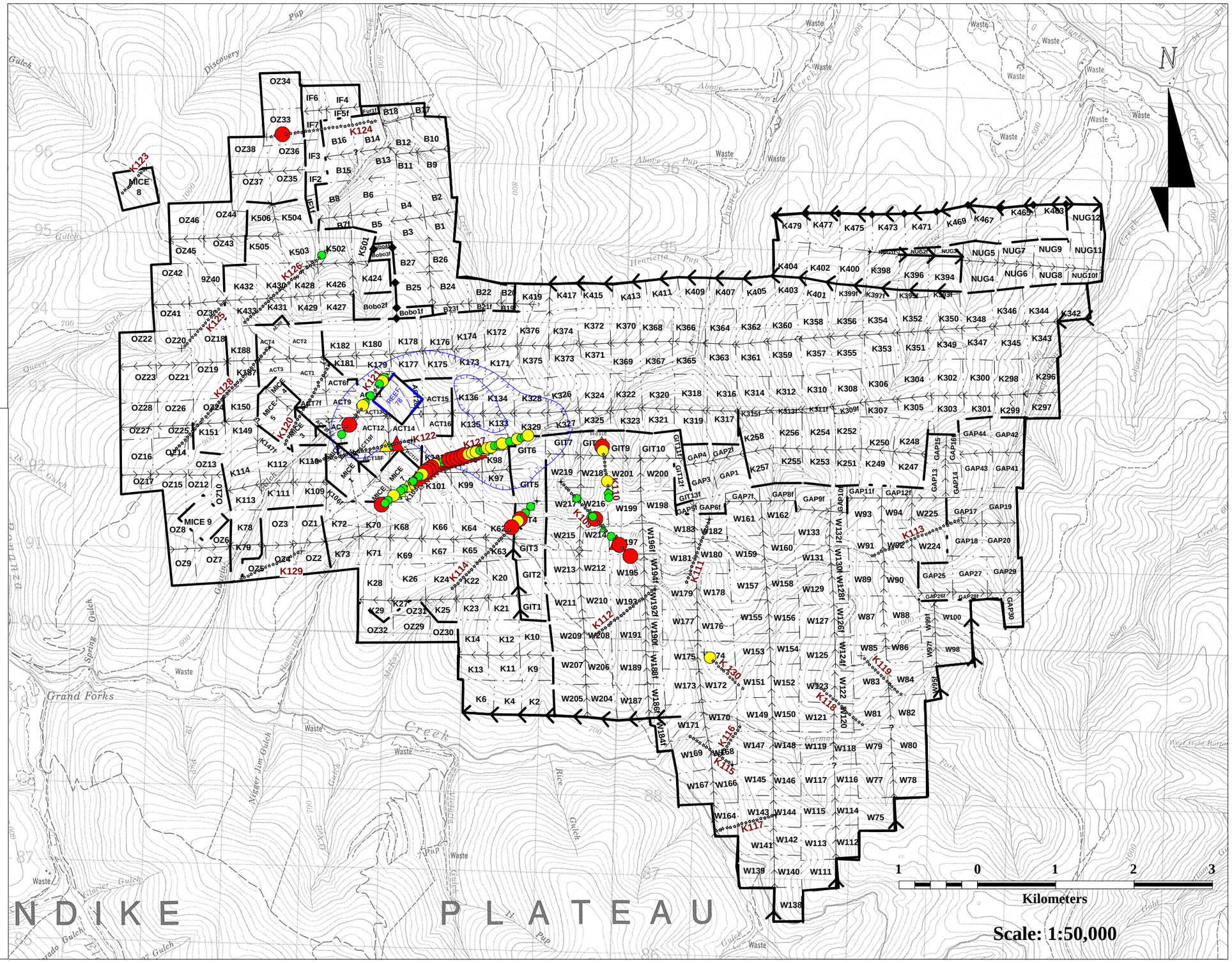
▲	180 to 2,000	(21)
△	105 to 180	(10)
▲	90 to 105	(7)
*	all others	(390)

GOLD MMI 2004 Response Ratios

●	20 to 275	(8)
○	10 to 20	(20)
●	8 to 10	(11)
*	all others	(647)

ARSENIC MMI 2004 Response Ratios

●	20 to 275	(17)
○	10 to 20	(18)
●	5 to 10	(37)
*	all others	(193)



KSL EXPLORATION (YUKON) LIMITED

SOIL GEOCHEMICAL SURVEYS JUNE-AUGUST 2004

CLAIM BLOCKS: KLONDIKE, WEDGE, GAP, MICE, OZ et al

FIGURE 2

date, can be considered significant, although several major features of the aeromagnetic data are poorly understood.

3. 2004 GEOCHEMISTRY FIELD PROGRAM

This soil survey program consisted of 22 traverse lines totalling over 30 line km, with 686 sample points at 50m intervals (Figure 2). All sample points were subject to "A" soil horizon sampling for MMI, enzyme leach, geochemical assaying with 12 lines (436 samples) subject to "B" horizon sampling and standard geochemical assaying.

The MMI enzyme-leach assaying was of two types with MMI-B, 5 element (Au, Ag, Pd, Ni, Co) assaying of 14 lines (501 samples) and the MMI-M5 leach (Au, Ag, As, + 34 elements) for the other 8 lines (185 assays).

Figure 2 provides the location of all the claims, the sample traverses (K109 to K130), sample points and possible significant results for gold and arsenic.

The soil sample sites were surveyed by GPS. Soil types and geological notes were also recorded.

Appendix 2, which consists of the ledger sheets of this data as held in the computer records of KSL Yukon, is attached to this report as a CD. In addition, the Certificates of Analysis are solely reproduced on the CD.

4. COMMENTS

On Figure 2, a magnetic low (GSC, 2001 data) in the district has been plotted. There is a possibly significant correlation of Au and As soil geochemical anomalies associated with this magnetic low feature.

However, soil 'anomalies' also extend south and southeast of the magnetic low on lines K127, 114, 110 and 109 (Figure 2). Outside of this area, isolated high gold/arsenic MMI values (lines K124 and 126 in the northwest and K130 in the southeast) are irrelevant.

There is a relatively good correlation between gold and arsenic anomalies with a lack of any other significant element correlations.

The apparent NNW-trend of soil anomalies and the adjacent magnetic low is considered, in part, an artifact of the distribution of the 2004 survey lines, because previous soil surveys in the northeast (Hester Creek area) of the JV Claim Block (Adamson and Thomas, 2001 and 2002) defined lower order MMI gold and 80- mesh arsenic anomalies.

Diamond core drilling in the vicinity of the major soil anomalies bordering the magnetic low, completed in the 2004 field season, will be the subject of another report (Adamson and Thomas, 2005, in preparation).

References:

Adamson, R.G. and Thomas, C.M., 2000: Assessment Report for Renewal of Klondike and Wedge Claim Blocks, Dawson Mining District. Unpublished report prepared for The Dawson Mining Recorder by Klondike Source Limited.

Adamson, R.G. and Thomas, C.M., 2001: Assessment Report for Renewal of Klondike, Bear and Wedge Claims, Bonanza Creek District, NTS 115-O-14 and 116-B-03. Dawson Mining District. Unpublished report prepared for The Dawson Mining Recorder by Klondike Source Limited.

Adamson, R.G. and Thomas, C.M., 2002: Assessment Report for Renewal of Klondike, Bear and Wedge Claims, Bonanza Creek District, NTS 115-O-14 and 116-B-03. Dawson Mining District. Unpublished report prepared for The Dawson Mining Recorder by Klondike Source Limited.

KSL Exploration (Yukon) Limited

Appendix 1

Schedule of Claims and Renewal Requested

NAME	GRANT NUMBER(S)	PERIOD FOR RENEWAL TO:
WEDGE 75	YC 15979	2005/12/03
WEDGE 77 - 85	YC 15981 - YC 15989	2005/12/03
WEDGE 89	YC 15993	2005/12/03
WEDGE 91- 94	YC 15995 - YC 15998	2005/12/03
WEDGE 95	YC 15999	2005/12/03
WEDGE 97	YC 16000	2005/12/03
WEDGE 98	YC 16001	2005/12/03
WEDGE 99	YC 16002	2004/12/03
WEDGE 100	YC 16003	2004/12/03
WEDGE 111 – 113	YC 16015 – 16017	2006/12/03
WEDGE 114	YC 16018	2005/12/03
WEDGE 115	YC 16019	2006/12/03
WEDGE 116 – 119	YC 16020 – 16023	2005/12/03
WEDGE 120	YC 16024	2005/12/03
WEDGE 121	YC 16025	2005/12/03
WEDGE 122	YC 16026	2004/12/03
WEDGE 123	YC 16027	2005/12/03
WEDGE 124	YC 16208	2004/12/03
WEDGE 125	YC 16029	2005/12/03
WEDGE 126	YC 16030	2004/12/03
WEDGE 127 – 133	YC 16031 – 16037	2005/12/03
WEDGE 138 – 144	YC 16042 – 16048	2006/12/03
WEDGE 145 - 162	YC 16049 - 16066	2005/12/03
MICE 1 – 7	YC 21828 – YC 21834	2006/11/14
MICE 8	YC 21835	2008/11/14
MICE 9	YC 21836	2006/11/01
BOBO 1 – 4	YC 21097 – 21100	2006/09/28
FUR 1	YC 21096	2006/09/28

KSL Exploration (Yukon) Limited

Appendix 2

Soil Sampling Ledgers

ABBREVIATIONS FOR GEOCHEMICAL & GEOLOGICAL NOTATIONS

LAND FORM	
F	Flat
S	0-5 deg slope
S+	5-10 deg slope
S++	>10 deg slope
R	Ridge top
V	Valley floor

STATE	
W	Wet
f	Frozen
pf	Partly frozen
org	Organic
sk	Skeletal

COLOUR	
o	Orange
y	Yellow
r	Red
b	Brown
g	Grey
blk	Black

SOIL COMPOSITION	
cl	clayey
si	silty
s	sandy
gr	gritty
gv	gravelly
r fg	rock fragments

ROCKS ETC.	
s	schist
qte	quartzite
por	porphyry
gd	granodiorite
qv	vein quartz
met	metamorphic
meso	mesothermal
ox	oxidised
lim	limonitic
hem	hematitic
tr	trace
ptly	partly

MINERALS (a>b>c)	
q	quartz
f	feldspar
m	muscovite
ser	sericite
b	biotite
c	chlorite
p	pyrite
carb	carbonaceous

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR
TRAVERSE K109		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 115-0/14		
		Sampled: 9-Jun-04		By:		Sampled: 9-Jun-04		By:
		Sample Interval (m): 50				Sample Interval (m): 5		
	K4114	589226	7091969		S++	15	a <b pf	b
	K4115	589263	7091932		S++	20	a f	b
	K4116	589295	7091895		S++	20	a f	bl
	K4117	589325	7091867		S++	15	a <b	b
	K4118	589363	7091825		S++	20	a b org	b
	K4119	589398	7091793		S++	15	a b org	b
	K4120	589432	7091763					
	K4121	589469	7091720		S++	20	w a org <b	b
	K4122	589507	7091685		S++	20	b <org	b
	K4123	589544	7091645		S++	15	a org	b bl
	K4124	589576	7091614		S++	25	a b org	b
	K4125	589612	7091576		S++	35	a org f	bl
	K4126	589644	7091536		S+	15	a b org pf	b
	K4127	589676	7091506		S	10	a org <b	b
	K4128	589715	7091470		S	10	a org b	bl
	K4129	589747	7091430		R	10	a b org	br g
	K4130	589784	7091396		R	5	a org <b	b
	K4131	589816	7091360		S	5	a org <b	b
	K4132	589855	7091320		S	5	og b a	b
	K4133	589886	7091289		S	5	org ab	b
	K4134	589923	7091257		S+	5	org b	b
	K4135	589958	7091219		S++	20	a org	bl
	K4136	589992	7091184		S++	10	a org b	br
	K4137	590028	7091148		S++	5	a org b	b
	K4138	590067	7091113		S++	5	a org b	br
	K4139	590099	7091078		S++	5	org b	br
	K4140	590135	7091045		S++	5	a org b	br

NOTE: First 500m of line (to NW) appears sericitic and solicified (ser qte), seems to grade into qms. Fi
observed and X-cutting qte + lim stringers and viens. All of slope is rocky talus. ie more resistar

K4120
K4141 Duplicate of Sample K4120

K4130
K4142 Duplicate of Sample K4130

K4140
K4143 Duplicate of Sample K4140

K4114
DUP-K4114

K4126
DUP-K4126

SOIL COMPOSITION	ROCKS	COMMENTS
		Scheme Code
AL, SJ		Analysis Unit
		Detection Limit
si cl	qms lim	
si cl	qms, m qte, weak foliation	very poor soil sample
si cl	qms	poor soil sample
si cl gv	ser qte, very weak fol, tr eup	lots of large rocks
		20m SE is s/c qms,limx
		cutting fractures, minor
si cl	ser qte	folding
si cl gv	ser qte weak fol, X cutting qv lim	
	ser qte weak fol, X cutting Lim q	
	stringers, qms <folding, < hem	
si cl	stainging	poorly developed "b" in area
si cl gr gv	ser, qte, tr eu p, < folding qms	
si cl	no rocks	
si cl gv	qms, tr eu p. Top pf scree slop	
cl si	qms	
si cl gr	lim qms	
si cl gv	qms	
si cl	lim qms	
si cl	large rocks buried	
si gr cl		Dup K4142
si cl	qms	
si cl	lim qms, qv tr hem staining	
si gr cl gv	qv qms	
si cl gr	qms qv	
si cl	no rocks	
si cl	qms	
si cl	qms lim, hem frac	
si cl	ɜsive solicification, very weak fol, lim frac 3 to 4 cm	
si cl	qv. Qms lim , moderate fol	
si cl	qms lim	Dup K4143

rst impression is alteration but could be weakly meta intrusive, lots of smale scale folding
ıt to erosion. very poorly deveoped "b" horizon

Ag MMI-M5 ppb	As MMI-M5 ppb	Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb	Cu MMI-M5 ppb
1	10	0.1	10	1	10	10	5	5	10
<1	35	<0.1	1406	<1	29	28	311	131	161
<1	28	<0.1	1178	<1	42	13	141	70	87
<1	<10	<0.1	1516	<1	45	12	153	46	79
<1	<10	<0.1	758	<1	19	<10	<5	18	16
<1	<10	<0.1	4190	2	39	15	65	16	21
3	47	<0.1	917	3	22	<10	60	33	92
1	<10	<0.1	1440	<1	186	<10	30	23	109
<1	12	<0.1	1904	<1	63	<10	80	16	63
3	<10	<0.1	1092	<1	17	<10	59	31	29
<1	13	<0.1	1006	1	55	<10	20	22	21
<1	10	<0.1	342	1	62	<10	<5	16	43
<1	69	<0.1	705	<1	335	<10	<5	57	662
<1	378	0.3	1686	<1	188	17	109	52	167
2	28	<0.1	1562	3	70	31	5	61	36
1	16	<0.1	3489	<1	27	<10	6	59	<10
2	<10	<0.1	3064	<1	186	67	21	14	75
3	<10	<0.1	4883	<1	132	17	<5	72	54
5	<10	<0.1	2334	<1	171	<10	<5	40	59
14	45	<0.1	7854	3	147	34	46	164	259
6	<10	<0.1	7123	<1	57	<10	<5	59	24
6	<10	0.1	7984	<1	46	<10	9	56	29
12	512	14.2	3739	<1	788	91	148	251	343
1	<10	<0.1	4980	<1	83	<10	13	71	33
7	10	<0.1	5605	<1	138	14	13	194	64
2	24	<0.1	14680	1	272	194	16	273	82
17	300	0.1	5787	3	261	47	145	96	155
133	49	0.2	9298	<1	310	52	642	157	358
1	<10	<0.1	1440	<1	186	<10	30	23	109
1	<10	<0.1	1069	<1	204	10	28	23	93
3	<10	<0.1	4883	<1	132	17	<5	72	54
3	<10	<0.1	5158	<1	141	18	<5	81	56
133	49	0.2	9298	<1	310	52	642	157	358
59	65	<0.1	8060	<1	359	79	764	120	274
<1	35	<0.1	1406	<1	29	28	311	131	161
<1	47	<0.1	1137	<1	34	21	253	103	168
<1	378	0.3	1686	<1	188	17	109	52	167
<1	377	0.2	1163	<1	211	13	104	37	87

Dy MMI-M5 ppb	Er MMI-M5 ppb	Eu MMI-M5 ppb	Gd MMI-M5 ppb	La MMI-M5 ppb	Mg MMI-M5 ppm	Mo MMI-M5 ppb	Nb MMI-M5 ppb	Nd MMI-M5 ppb	Ni MMI-M5 ppb
1	0.5	0.5	1	1	1	5	0.5	1	5
23	12	5.1	35	122	9	11	3.6	181	161
17	8.2	4.5	25	57	9	8	2.2	104	99
18	8.8	4.3	27	67	7	8	1.2	109	81
<1	0.6	<0.5	<1	2	4	<5	2	3	43
6	3.3	1.7	9	48	11	<5	2.9	51	32
9	5.4	2	10	27	6	<5	6.5	43	44
18	13.3	2.2	17	14	14	<5	<0.5	35	48
7	3.8	1.5	11	43	6	<5	1.7	49	26
9	10.7	1.1	7	34	5	<5	<0.5	31	18
4	2.8	0.6	4	11	9	7	1.2	11	31
1	1.3	<0.5	<1	1	7	<5	1	2	34
2	3.3	<0.5	1	3	8	<5	<0.5	3	45
34	21.4	8.8	35	70	18	<5	1.8	122	93
4	3.7	<0.5	1	4	12	<5	1.3	4	44
<1	0.9	<0.5	<1	4	5	<5	1	2	61
12	7.4	0.7	5	2	17	<5	0.5	6	77
7	7.1	<0.5	1	2	22	<5	<0.5	2	120
3	2.8	<0.5	<1	<1	10	<5	<0.5	1	107
21	17.4	2.7	12	25	28	9	4.2	33	284
2	3.3	<0.5	<1	4	14	<5	<0.5	2	71
2	4.5	<0.5	1	7	10	<5	<0.5	4	84
99	179	9.5	64	87	19	<5	<0.5	140	316
3	3.9	<0.5	2	8	27	<5	1.2	6	110
15	12.2	0.7	4	6	24	<5	<0.5	8	254
6	6.8	<0.5	4	4	65	8	1.5	7	416
21	8.6	4.4	23	74	53	6	5	76	264
113	54.8	19.1	108	289	72	<5	1.1	361	356
18	13.3	2.2	17	14	14	<5	<0.5	35	48
15	13.3	1.8	14	13	11	<5	<0.5	31	48
7	7.1	<0.5	1	2	22	<5	<0.5	2	120
5	6.1	<0.5	1	2	24	<5	<0.5	2	145
113	54.8	19.1	108	289	72	<5	1.1	361	356
122	46.7	27	144	327	68	<5	0.9	443	357
23	12	5.1	35	122	9	11	3.6	181	161
19	8.8	5.7	31	98	12	15	4	158	159
34	21.4	8.8	35	70	18	<5	1.8	122	93
33	19	9.4	36	66	23	<5	1	134	79

Pb MMI-M5 ppb	Pd MMI-M5 ppb	Pr MMI-M5 ppb	Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb	Sn MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb
10	1	1	5	1	1	1	1	0.5	3
2321	<1	40	11	<1	40	2	<1	81.7	482
1053	<1	20	<5	<1	26	1	<1	33.9	295
279	<1	22	8	<1	27	<1	<1	59.8	188
27	<1	<1	27	<1	<1	<1	<1	17.5	548
99	<1	11	8	1	11	<1	<1	108	371
713	<1	9	77	1	11	<1	1	99.2	958
238	<1	6	8	1	12	<1	2	40.7	30
41	<1	10	15	<1	11	<1	<1	51.7	454
372	<1	7	21	<1	7	2	<1	68.6	136
80	<1	2	38	<1	3	<1	<1	35.2	326
219	<1	<1	71	<1	<1	<1	<1	11.7	169
96	<1	1	<5	<1	<1	<1	2	<0.5	<3
1866	<1	24	9	<1	35	<1	<1	58.7	326
2179	<1	<1	6	<1	<1	<1	<1	18.5	327
53	<1	<1	19	<1	<1	<1	<1	17.2	404
580	<1	<1	<5	<1	2	1	<1	15.4	329
1492	<1	<1	20	<1	<1	<1	<1	14.6	146
527	<1	<1	9	<1	<1	<1	<1	2	16
1939	<1	6	138	1	10	2	<1	82.4	1150
292	<1	<1	13	<1	<1	<1	<1	10.9	72
131	<1	<1	20	<1	<1	<1	<1	22	43
2867	<1	27	51	2	41	<1	<1	6.6	26
87	<1	1	7	<1	2	<1	<1	19.4	169
747	<1	1	11	<1	3	5	<1	13.6	77
232	1	1	23	<1	2	<1	7	22.6	350
3016	<1	17	17	1	18	3	4	65.1	1920
4621	<1	77	60	<1	85	<1	2	101	439
238	<1	6	8	1	12	<1	2	40.7	30
208	<1	5	10	<1	10	<1	2	27.6	31
1492	<1	<1	20	<1	<1	<1	<1	14.6	146
1142	<1	<1	24	<1	<1	<1	<1	12.1	112
4621	<1	77	60	<1	85	<1	2	101	439
3348	<1	88	65	1	111	<1	<1	84.8	498
2321	<1	40	11	<1	40	2	<1	81.7	482
2419	<1	32	12	1	40	<1	<1	99	507
1866	<1	24	9	<1	35	<1	<1	58.7	326
1535	<1	25	6	<1	39	<1	<1	35.1	195

Tl MMI-M5 ppb	U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
0.5	1	1	5	1	20	5
<0.5	17	<1	122	11	899	35
<0.5	6	<1	95	9	789	26
<0.5	12	<1	98	9	466	40
<0.5	3	<1	<5	1	108	31
<0.5	47	<1	33	4	177	125
<0.5	10	<1	54	6	280	110
<0.5	41	<1	103	15	1187	45
<0.5	26	<1	40	4	56	44
<0.5	29	<1	40	12	77	21
<0.5	36	<1	20	3	99	33
<0.5	2	<1	10	2	1615	22
<0.5	48	<1	14	5	946	<5
<0.5	37	<1	242	22	326	53
<0.5	7	<1	22	4	763	19
<0.5	4	<1	<5	1	<20	14
<0.5	3	<1	65	6	1262	10
<0.5	5	<1	35	7	108	12
<0.5	1	<1	17	4	102	<5
<0.5	26	<1	140	21	756	86
<0.5	5	<1	12	4	81	11
<0.5	7	<1	14	7	56	17
<0.5	65	1	867	272	721	6
<0.5	13	<1	15	5	42	18
<0.5	15	<1	95	12	51	14
<0.5	7	3	31	8	4246	45
<0.5	26	2	104	6	533	93
<0.5	30	<1	564	36	558	69
<0.5	41	<1	103	15	1187	45
<0.5	27	<1	81	15	1247	20
<0.5	5	<1	35	7	108	12
<0.5	5	<1	27	7	142	9
<0.5	30	<1	564	36	558	69
<0.5	30	<1	590	32	920	69
<0.5	17	<1	122	11	899	35
<0.5	26	<1	112	10	1036	69
<0.5	37	<1	242	22	326	53
<0.5	31	<1	242	21	383	50

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K109(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 9-Jun-04			By: AL, SJ		
		Sample Interval (m): 50					
K4114		589226	7091969			25	b org pf
K4115		589263	7091932			25	f b
K4116		589295	7091895			25	b < a f
K4117		589325	7091867			30	b org pf
K4118		589363	7091825			25	b org pf
K4119		589398	7091793			30	b
K4120		589432	7091763			No SAMPLE	
K4121		589469	7091720			30	b <org w
K4122		589507	7091685			35	b < org
K4123		589544	7091645			20	b org a
K4124		589576	7091614			40	b <a
K4125		589612	7091576			20	b
K4126		589644	7091536			30	f b
K4127		589676	7091506			20	b
K4128		589715	7091470			20	b sk
K4129		589747	7091430			15	b <a
K4130		589784	7091396			15	b
K4131		589816	7091360			20	b
K4132		589855	7091320			25	b
K4133		589886	7091289			20	b
K4134		589923	7091257			20	b
K4135		589958	7091219			25	b a org w
K4136		589992	7091184			25	b
K4137		590028	7091148			20	b
K4138		590067	7091113			10	b
K4139		590099	7091078			15	b
K4140		590135	7091045			20	b
K4120							
K4141		Duplicate of Sample K4120					
K4130							
K4142		Duplicate of Sample K4130					
K4140							
K4143		Duplicate of Sample K4140					

NOTE: First 500m of line (to NW) appears sericitic and solicified (ser qte), seems to grade
observed and X-cutting qte + lim stringers and viens. All of slope is rocky talus. ie n

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
b	si cl	qms lim	
b	si cl	qms, m qte, weak foliation	very poor soil sample
b	si cl	qms	poor soil sample
b	gv si cl	ser qte, very weak fol, tr eup	lots of large rocks
b	si cl gv	ser qte	20m SE is s/c qms,limx cutting fractures, minor folding
b	si cl gv	ser qte weak fol, X cutting qv lim	
		ser qte, X cutting lim fractures tr p	all sk rock, DUP K4141
		ser qte weak fol, X cutting Lim q	
b	si cl	stringers, qms <folding, < hem stainging	poorly developed "b" in area
b	si cl gv	ser, qte, tr eu p, < folding qms	
b	si cl	no rocks	
b g	cl si	qms, tr eu p. Top pf scree slop	
b	si gr gv cl	qms	5m away from MMI sample area
g	gr si cl	lim qms	
b rb	gr si cl gv	qms	
b g	si gv cl	lim qms	
b g	cl si gv	large rocks buried	
ob b	gr si cl		Dup K4142
b	cl si	qms	
gb	si cl	lim qms, qv tr hem staining	
ob b	si gr cl gv	qv qms	
b	si cl	qms qv	
g	cl si	no rocks	
b yb	si cl gv	qms	
b	cl si	qms lim, hem frac	
b ob	si cl	vasive solicification, very weak fol, lim frac 3 to 4 cm	
ob	si gr cl gv	qv. Qms lim , moderate fol	
b ob	si	qms lim	Dup K4143

into qms. First impression is alteration but could be weakly meta intrusive, lots of smale scale folding
nore resistant to erosion. very poorly deveoped "b" horizon

Scheme C	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Au	Ag	Al	As	B	Ba	Be	Bi
Analysis U	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	<0.001	0.4	0.51	8	<10	90	<0.5	<2
	<0.001	0.3	0.67	8	<10	100	<0.5	<2
	0.001	0.2	1.07	10	<10	110	<0.5	<2
	<0.001	<0.2	0.62	7	<10	70	<0.5	<2
	0.004	0.2	0.79	7	<10	190	<0.5	<2
	0.003	0.2	0.53	9	<10	70	<0.5	<2
	0.005	0.5	0.63	8	<10	190	<0.5	<2
	0.004	0.7	1.08	10	<10	150	<0.5	<2
	NSS	0.2	0.28	3	<10	110	<0.5	<2
	<0.001	0.4	0.54	4	<10	40	<0.5	<2
	0.027	1.4	1.44	93	<10	210	<0.5	<2
	0.014	1.1	1.34	48	<10	190	<0.5	<2
	0.012	0.4	1.3	60	<10	100	<0.5	<2
	0.001	<0.2	0.96	68	<10	160	<0.5	<2
	0.001	0.2	0.74	7	<10	210	<0.5	<2
	0.001	0.2	0.78	90	<10	110	<0.5	<2
	0.005	0.2	1.4	37	<10	150	<0.5	<2
	0.001	0.3	0.83	32	<10	120	<0.5	<2
	0.002	0.5	1.01	26	<10	150	<0.5	<2
	0.008	0.4	1.38	24	<10	160	<0.5	<2
	0.257	10.2	2.3	396	<10	530	1.1	<2
	0.001	<0.2	0.81	26	<10	190	<0.5	<2
	0.001	0.3	0.9	27	<10	140	<0.5	<2
	0.003	0.3	1.5	52	<10	240	<0.5	<2
	0.004	0.5	0.74	74	<10	150	<0.5	<2
	0.004	0.3	1.44	42	<10	300	0.6	<2
	0.001	0.2	0.78	90	<10	110	<0.5	<2
	0.001	<0.2	0.81	97	<10	150	<0.5	<2
	0.004	0.3	1.44	42	<10	300	0.6	<2
	0.008	0.4	1.35	40	<10	270	0.5	<2

ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %
0.1	<0.5		2	10	7	0.78	<10	<1	0.05
0.11	<0.5		2	10	6	1.01	<10	<1	0.05
0.11	<0.5		5	15	12	1.9	<10	<1	0.06
0.06	<0.5		2	10	6	1.06	<10	<1	0.05
0.12	<0.5		4	12	11	1.34	<10	<1	0.07
0.06	<0.5		2	8	6	0.98	<10	<1	0.05
0.17	<0.5		3	10	15	0.96	<10	<1	0.05
0.07	<0.5		3	12	9	1.43	<10	<1	0.06
0.21	<0.5		1	4	7	0.53	<10	<1	0.05
0.06	<0.5		1	7	8	0.55	<10	<1	0.05
0.4	<0.5		3	13	11	1.56	<10	<1	0.08
0.17	<0.5		3	13	9	1.4	<10	<1	0.07
0.1	<0.5		3	13	10	1.65	<10	<1	0.06
0.07	<0.5		2	10	6	1.28	<10	<1	0.06
0.14	<0.5		1	6	6	0.72	<10	<1	0.07
0.06	<0.5		2	6	4	1.34	<10	<1	0.1
0.09	<0.5		4	17	11	1.98	<10	<1	0.06
0.07	<0.5		1	7	5	0.98	<10	<1	0.07
0.03	<0.5		2	8	13	1.47	<10	<1	0.07
0.06	<0.5		4	16	9	1.74	<10	<1	0.06
1.39		0.5	11	17	24	2.91		10	<1	0.21
0.08	<0.5		2	8	4	1	<10	<1	0.08
0.11	<0.5		3	14	5	1.66	<10	<1	0.07
0.13	<0.5		6	23	12	2.56		10	<1	0.09
0.08	<0.5		1	6	4	1.2	<10	<1	0.1
0.18	<0.5		6	18	8	2.18		10	<1	0.1
0.06	<0.5		2	6	4	1.34	<10	<1	0.1
0.07	<0.5		2	7	5	1.5	<10	<1	0.11
0.18	<0.5		6	18	8	2.18		10	<1	0.1
0.17	<0.5		5	17	8	2.09		10	<1	0.1

ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %
10	0.15	57	1	<0.01	5	310	25	0.02
10	0.21	85	1	<0.01	6	330	38	0.01
30	0.47	226	1	<0.01	11	410	29	0.02
10	0.14	76	<1	<0.01	5	250	17	0.01
30	0.34	100	1	0.01	9	410	27	0.01
20	0.14	48	1	<0.01	5	210	47	0.02
40	0.09	178	<1	0.01	6	630	47	0.04
40	0.23	104	<1	<0.01	7	420	46	0.02
10	0.04	106	<1	0.01	3	950	22	0.09
10	0.05	66	<1	<0.01	2	220	12	0.01
30	0.35	114	<1	<0.01	7	410	99	0.01
20	0.3	124	1	<0.01	9	330	78	<0.01
20	0.25	126	1	<0.01	9	300	144	0.01
20	0.2	108	<1	<0.01	7	290	30	<0.01
20	0.1	251	<1	<0.01	3	260	11	<0.01
30	0.15	154	1	<0.01	4	330	21	<0.01
20	0.32	148	1	<0.01	11	140	37	<0.01
30	0.12	77	<1	<0.01	3	120	22	<0.01
30	0.15	104	1	<0.01	4	160	29	<0.01
20	0.28	133	<1	<0.01	8	130	31	<0.01
70	0.34	1840	1	<0.01	14	1190	230	0.06
20	0.13	69	<1	<0.01	4	110	18	<0.01
20	0.23	133	1	<0.01	8	260	21	<0.01
20	0.38	198	1	<0.01	17	390	21	<0.01
30	0.12	58	1	<0.01	4	310	25	<0.01
20	0.31	337	1	<0.01	12	920	31	<0.01
30	0.15	154	1	<0.01	4	330	21	<0.01
30	0.17	187	1	<0.01	3	340	26	<0.01
20	0.31	337	1	<0.01	12	920	31	<0.01
20	0.31	299	<1	<0.01	11	780	28	<0.01

ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<2		1	12	0.03	<10	<10	16	<10	26
<2		1	13	0.02	<10	<10	21	<10	36
<2		1	19	0.03	<10	<10	26	<10	56
<2		1	9	0.03	<10	<10	28	<10	24
<2		1	15	0.03	<10	<10	21	<10	52
<2		1	11	0.02	<10	<10	17	<10	30
<2	<1		18	0.02	<10	<10	16	<10	20
<2		2	11	0.02	<10	<10	20	<10	34
<2		1	26	0.01	<10	<10	6	<10	11
<2	<1		8	0.01	<10	<10	18	<10	20
<2		2	34	0.02	<10	<10	22	<10	55
<2		2	17	0.02	<10	<10	23	<10	39
<2		1	10	0.02	<10	<10	25	<10	35
<2	<1		9	0.01	<10	<10	20	<10	21
<2	<1		13	0.01	<10	<10	16	<10	14
<2		1	8	0.01	<10	<10	20	<10	22
<2		2	12	0.04	<10	<10	38	<10	34
<2		1	9	0.03	<10	<10	23	<10	17
<2		1	6	0.01	<10	<10	23	<10	28
<2		2	8	0.03	<10	<10	31	<10	30
<2		4	106	0.01	<10	<10	20	<10	114
<2		1	8	0.03	<10	<10	23	<10	16
<2		2	10	0.04	<10	<10	36	<10	29
<2		3	13	0.05	<10	<10	47	<10	59
<2		1	9	0.02	<10	<10	19	<10	24
<2		1	15	0.03	<10	<10	37	<10	43
<2		1	8	0.01	<10	<10	20	<10	22
<2		1	8	0.01	<10	<10	23	<10	26
<2		1	15	0.03	<10	<10	37	<10	43
<2		2	14	0.03	<10	<10	36	<10	41

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K110		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	24-Jun-04	By:		Sampled:	22-Jun-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4269	589735	7092483		S++	25	b w
	K4270	589741	7092429		S++	35	w org
	K4271	589750	7092378		S++	25	w b
	K4272	589759	7092332		S+	35	f org
	K4273	589769	7092286		S+	25	w b
	K4274	589778	7092234		S+	25	w <org
	K4275	589783	7092184		S+	50	c w
	K4276	589786	7092132		S++	35	w pf
	K4277	589799	7092087		S++	25	pf <org b
	K4278	589804	7092038		S++	25	w b
	K4279	589817	7091990		S++	40	b pf org
	K4280	589826	7091935		S++	45	c <b org
	K4281	589828	7091887		S++	35	w <org
	K4282	589836	7091833		S++	20	d b
	K4283	589842	7091782		S++	25	d b

K4270
K4284 Check for K2470

K4279
K4285 Check for K4280

K4271
DUP-K4271

K4283
DUP-K4283

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Ag	As
000 115-0/14				Scheme C	MMI-M5
By:	PL, SJ			Analysis U	ppb
				Detection L	1	10
b	cl si	qte m, p			9	702
lb	cl si	qte m , ser	Dup K4284		4	129
b	cl si gr	qtes lim, p			5	27
b	cl	qms			1	38
g lb	cl si gr	qms, q bands			4	40
lb	cl gr	qte			6	33
g lb	gr si cl	qms	many rocks		4	27
b lb	cl si gr	qms			4	11
b	cl si	qms			5	12
lb	cl si gr	qte m			9	100
lb b	cl si gr	qms	Dup K4285		2	10
b g	gr si cl	qte ser solicified c m			2	28
lb	cl si gr				13	59
b	cl si	qte m ox p			10	62
b	cl si	q qte m			9	81
					4	129
					4	35
					2	10
					2	52
					5	27
					6	24
					9	81
					13	104

Au MMI-M5 ppb	Ba MMI-M5 ppb	Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb	Cu MMI-M5 ppb	Dy MMI-M5 ppb
0.1	10	1	10	10	5	5	10	1
1.4	2172	1	14	<10	266	99	682	17
0.5	1931	<1	24	<10	90	32	332	12
0.3	1654	<1	25	<10	47	27	473	8
0.2	2929	<1	46	12	74	55	582	6
0.2	2703	<1	34	<10	148	91	671	17
0.7	5918	<1	55	<10	236	59	1624	24
0.1	2191	1	30	23	419	52	171	53
0.3	6571	<1	79	<10	43	88	690	4
0.2	4337	<1	83	<10	53	78	680	4
0.7	3762	2	48	<10	1749	92	729	132
<0.1	1440	<1	23	<10	34	13	35	4
0.1	618	1	19	11	135	24	85	36
1.3	2882	1	214	11	1296	327	196	91
1	3986	<1	84	<10	247	62	303	41
1	1476	<1	36	<10	199	40	300	19
0.5	1931	<1	24	<10	90	32	332	12
0.6	2492	<1	27	<10	46	23	305	5
<0.1	1440	<1	23	<10	34	13	35	4
0.1	609	2	14	<10	488	10	55	41
0.3	1654	<1	25	<10	47	27	473	8
0.4	2282	<1	26	<10	54	33	542	7
1	1476	<1	36	<10	199	40	300	19
1.2	2048	<1	31	<10	419	69	224	50

Er MMI-M5 ppb	Eu MMI-M5 ppb	Gd MMI-M5 ppb	La MMI-M5 ppb	Mg MMI-M5 ppm	Mo MMI-M5 ppb	Nb MMI-M5 ppb	Nd MMI-M5 ppb	Ni MMI-M5 ppb
0.5	0.5	1	1	1	5	0.5	1	5
7.1	4.2	20	121	7	6	5.3	111	110
6.9	2.8	13	41	8	6	1.6	53	51
4.4	1.1	8	24	10	<5	1.9	25	57
4.1	1.1	8	42	19	<5	3.5	42	109
9.7	2.5	21	67	12	<5	2.2	62	118
13.9	2.6	27	109	24	<5	1.2	104	164
23	8.8	72	243	7	<5	4	268	61
3.8	0.7	5	20	28	<5	0.6	28	89
4.7	0.6	5	26	29	<5	<0.5	31	121
60.4	35.7	197	767	14	13	5.6	1200	118
1.8	<0.5	4	23	6	<5	1.3	18	25
17.7	3.9	27	73	5	<5	3.9	102	54
38	27.2	169	943	33	<5	2	1123	134
25.2	8	43	167	21	5	2.1	212	70
11.4	4.5	22	126	12	<5	2.3	138	54
6.9	2.8	13	41	8	6	1.6	53	51
3.2	<0.5	5	24	7	<5	0.7	20	40
1.8	<0.5	4	23	6	<5	1.3	18	25
12.8	7	61	328	4	<5	7	234	23
4.4	1.1	8	24	10	<5	1.9	25	57
5	0.7	7	29	11	9	1.6	27	71
11.4	4.5	22	126	12	<5	2.3	138	54
29.4	8.1	49	269	10	<5	2.4	227	66

Pb MMI-M5 ppb	Pd MMI-M5 ppb	Pr MMI-M5 ppb	Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb	Sn MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb
10	1	1	5	1	1	1	1	0.5
495	1	27	112	3	24	<1	<1	321
178	<1	11	39	1	15	<1	<1	121
71	1	6	43	1	7	<1	<1	89.2
48	<1	10	16	2	9	<1	<1	52.6
91	<1	14	37	2	15	<1	<1	97.5
54	<1	24	35	1	23	<1	<1	107
1085	<1	64	42	<1	60	<1	<1	103
<10	<1	6	26	<1	6	<1	<1	44.5
<10	<1	7	10	<1	6	<1	<1	30.1
1050	<1	256	89	3	254	<1	<1	266
13	<1	4	8	<1	4	<1	<1	27.7
2472	<1	21	27	<1	26	<1	<1	94.8
3631	<1	243	41	2	236	<1	6	235
438	2	47	37	1	50	<1	4	170
392	<1	31	48	1	29	<1	2	147
178	<1	11	39	1	15	<1	<1	121
17	<1	5	28	<1	5	<1	2	63.5
13	<1	4	8	<1	4	<1	<1	27.7
1733	2	59	41	1	46	1	<1	89.3
71	1	6	43	1	7	<1	<1	89.2
66	1	7	57	1	6	<1	<1	98.8
392	<1	31	48	1	29	<1	2	147
1897	1	55	68	1	48	<1	<1	184

Ti MMI-M5 ppb	Tl MMI-M5 ppb	U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
3	0.5	1	1	5	1	20	5
1100	<0.5	119	<1	65	6	218	233
418	<0.5	58	<1	64	7	305	90
523	<0.5	23	<1	29	5	93	78
569	<0.5	33	<1	34	5	259	85
825	<0.5	34	<1	71	8	299	123
392	<0.5	55	<1	94	12	180	101
1250	<0.5	30	<1	213	16	658	91
98	<0.5	35	<1	29	5	199	71
114	<0.5	26	<1	33	7	157	59
2190	<0.5	57	<1	937	49	281	278
370	<0.5	6	<1	12	2	<20	25
1180	<0.5	10	<1	205	14	201	82
706	<0.5	20	2	609	33	150	143
578	<0.5	28	<1	311	26	215	124
583	<0.5	25	<1	122	11	53	122
418	<0.5	58	<1	64	7	305	90
127	<0.5	45	<1	20	3	87	40
370	<0.5	6	<1	12	2	<20	25
3550	<0.5	6	<1	121	7	152	76
523	<0.5	23	<1	29	5	93	78
427	<0.5	22	<1	29	5	76	81
583	<0.5	25	<1	122	11	53	122
870	<0.5	26	<1	242	21	735	127

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K110(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 22-Jun-04			By: PL, SJ		
		Sample Interval (m): 50					
K4269		589735	7092483			25	b w
K4271		589750	7092378			25	w b
K4272		589759	7092332			40	w b <org
K4273		589769	7092286			25	w b
K4274		589778	7092234			25	w <org
K4275		589783	7092184			50	c w
K4276		589786	7092132			40	w pf
K4277		589799	7092087			25	pf < org b
K4278		589804	7092038			25	w b
K4279		589817	7091990			40	b pf org
K4280		589826	7091935			45	c <b org
K4281		589828	7091887			35	c <org
K4282		589836	7091833			20	d b
K4283		589847	7091794			25	w org
K4270							
K4284	check for K4270						
K4280							
K4285	Check for K4280						

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme C	Au-ICP21	ME-ICP41
				Analysis U	Au ppm	Ag ppm
b	cl si	qte m, p			0.01	0.2
b	cl si gv	qtes lim, p			0.008	<0.2
g b	cl si gr	qms			0.003	0.5
g lb	cl si gr	qms, q bands			0.004	<0.2
lb	cl gr	qte			0.011	0.2
g	gr si cl	qms	many rocks		0.003	<0.2
b lb	cl si gv	qms			0.004	0.2
b	cl si	qms			0.004	0.3
lb	cl si gr	qte m			0.009	<0.2
lb b	cl si gr	qms	Dup K4285		0.004	0.2
b g	gr si cl	qte ser solicified c m			0.002	<0.2
lb	cl si gr				0.006	<0.2
b	cl si	qte m ox p			0.007	<0.2
lb	cl si gr	q qte m			0.01	<0.2
					0.008	<0.2
					0.002	<0.2

ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm
0.79	134	<10	130	<0.5	<2	0.07	<0.5	3
0.96	15	<10	140	<0.5	<2	0.1	<0.5	4
1	13	<10	280	<0.5	<2	0.13	0.5	4
1.02	10	<10	160	<0.5	<2	0.12	<0.5	5
1.04	8	<10	270	<0.5	<2	0.15	<0.5	4
0.66	5	<10	130	<0.5	<2	0.07	0.5	3
1.22	13	<10	360	<0.5	<2	0.14	<0.5	5
1.32	13	<10	280	<0.5	<2	0.14	<0.5	5
1.05	16	<10	170	<0.5	2	0.12	<0.5	5
0.91	10	<10	170	<0.5	2	0.08	<0.5	3
0.53	9	<10	60	<0.5	2	0.04	<0.5	2
1.02	21	<10	160	<0.5	2	0.15	<0.5	5
1.11	29	<10	200	<0.5	2	0.13	<0.5	4
1.06	52	<10	140	<0.5	<2	0.1	<0.5	5
1.06	79	<10	200	<0.5	<2	0.09	<0.5	5
0.53	9	<10	60	<0.5	2	0.04	<0.5	2

ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm
11	10	1.42	<10	<1	0.08	30	0.18	81	1
14	13	1.73	<10	1	0.06	30	0.24	90	1
15	16	1.64	<10	<1	0.06	40	0.25	72	2
16	12	1.92	<10	1	0.05	30	0.27	124	1
16	18	1.52	<10	1	0.06	40	0.3	78	<1
10	8	0.89	<10	1	0.05	30	0.16	57	<1
16	12	1.73	<10	<1	0.06	20	0.27	122	1
19	21	1.94	<10	2	0.06	30	0.33	104	1
17	13	1.58	<10	1	0.05	30	0.3	99	1
11	10	1.09	<10	2	0.05	30	0.15	53	1
5	4	0.66	<10	<1	0.05	20	0.08	43	<1
14	7	1.54	<10	1	0.06	30	0.27	143	1
15	9	1.66	<10	1	0.06	30	0.31	124	<1
14	10	1.63	<10	1	0.06	30	0.29	125	1
14	13	1.8	<10	1	0.07	30	0.23	87	1
5	4	0.66	<10	<1	0.05	20	0.08	43	<1

ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %
<0.01	8	250	43	0.01	<2	1	21	0.03
<0.01	10	280	35	<0.01	2	2	14	0.03
<0.01	12	330	126	<0.01	3	2	20	0.03
<0.01	11	260	25	<0.01	<2	2	13	0.04
<0.01	12	310	34	<0.01	2	3	17	0.04
<0.01	7	190	21	<0.01	<2	1	9	0.03
<0.01	12	370	26	<0.01	<2	2	16	0.03
<0.01	15	320	19	<0.01	<2	3	18	0.03
<0.01	11	220	21	<0.01	2	3	13	0.04
<0.01	7	320	23	<0.01	<2	<1	12	0.02
<0.01	3	130	19	<0.01	2	1	6	0.03
<0.01	9	250	35	<0.01	<2	2	15	0.03
<0.01	11	240	31	<0.01	<2	2	13	0.04
<0.01	11	220	39	<0.01	<2	2	11	0.03
<0.01	10	320	33	<0.01	2	2	15	0.02
<0.01	3	130	19	<0.01	2	1	6	0.03

ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<10	<10	21	<10	36
<10	<10	28	<10	57
<10	<10	25	<10	59
<10	<10	30	<10	63
<10	<10	27	<10	64
<10	<10	18	<10	44
<10	<10	32	<10	48
<10	<10	35	<10	58
<10	<10	30	<10	41
<10	<10	21	<10	20
<10	<10	19	<10	15
<10	<10	26	<10	38
<10	<10	28	<10	40
<10	<10	26	<10	40
<10	<10	26	<10	57
<10	<10	19	<10	15

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K111		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	10-Jun-04	By:		Sampled:	10-Jun-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4144	591130	7091541		S++	20	a <b pf
	K4145	591119	7091494		S++	35	a org f
	K4146	591101	7091449		S++	35	a b org
	K4147	591087	7091401		S++	5	org b
	K4148	591070	7091357		S++	5	org b
	K4149	591054	7091308		S++	20	a org <b
	K4150	591037	7091262		R	5	b
	K4151	591019	7091214		S	15	org b
	K4152	591005	7091168		S+	5	b org
	K4153	590987	7091113		S++	5	org b
	K4154	590974	7091070		S++	5	a org
	K4155	590960	7091029		S++	5	a org
	K4156	590941	7090981		S++	10	a org <b
	K4157	590924	7090935		S++	10	a org b
	K4158	590911	7090878		S++	10	a org <b
	K4159	590907	7090832		S++	5	a b org
	K4160	590881	7090789		S++ V	5	a org <b
	K4161	590860	7090735		S	5	a b
	K4150						
K4162		Duplicate of Sample K4150					
	K4160						
K4163		Duplicate of Sample K4160					
	K4152						
DUP-K4152							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
000 115-0/14			
By:	AL, SJ		
g	si cl	ser qte	rock strongly solicified, same as start of K109
bl	si cl	qms qlens @nose of fold	
bl	si cl	qms	
bl	si cl	qms	
bl	si gv cl	qms	
bl	si cl	qms	
g ob	cl si	qms	Dup K4162
b	cl si	no rocks	
b	si cl	q lens in qms?	
b	si	qms	
b	si	qms	
b	si cl	qms	
b	si cl	qms	
b	si	qv qms	
b	si s	qms	
b	si	qms	
b	si cl	qms	Dup K4163
b lb	cl si gv	mqs	

	Au	Co	Ni	Pd	Ag
Scheme Code	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Analysis Unit	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	1	3	0.1	0.1
	0.12	4	9	<0.1	2.21
	<0.1	<1	14	<0.1	1.85
	<0.1	9	15	<0.1	1.87
	<0.1	13	33	<0.1	2.11
	<0.1	11	9	<0.1	1.55
	<0.1	12	30	<0.1	1.7
	<0.1	3	9	<0.1	1.55
	<0.1	15	40	<0.1	21.2
	<0.1	5	10	<0.1	46.8
	<0.1	9	16	<0.1	12.4
	0.2	2	155	0.15	23.2
	0.25	3	124	0.17	35.8
	0.15	3	78	0.17	30.2
	<0.1	3	216	0.14	26
	0.17	3	175	0.12	13.9
	0.11	<1	22	<0.1	5.7
	<0.1	2	105	0.11	7.11
	1.6	2	51	<0.1	15.9
	<0.1	3	9	<0.1	1.55
	<0.1	4	10	<0.1	1.39
	<0.1	2	105	0.11	7.11
	<0.1	2	108	0.12	7.93
	<0.1	5	10	<0.1	46.8
	<0.1	5	10	<0.1	47.8

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K111(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 10-Jun-04			By: AL, SJ		
		Sample Interval (m): 50					
K4144		591130	7091541			35	b f
K4145		591119	7091494			40	w b
K4146		591101	7091449			40	b f
K4147		591087	7091401			15	b sk
K4148		591070	7091357			20	b
K4149		591054	7091308			30	b
K4150		591037	7091262			15	b
K4151		591019	7091214			25	b
K4152		591005	7091168			15	b
K4153		590987	7091113			15	b
K4154		590974	7091070			20	b
K4155		590960	7091029			30	b
K4156		590941	7090981			30	b
K4157		590924	7090935			25	b
K4158		590911	7090878			30	b org
K4159		590907	7090832			25	b org
K4160		590881	7090789			30	b <a
K4161		590860	7090735			10	b sk
K4150							
K4162	Duplicate of Sample K4150						
K4160							
K4163	Duplicate of Sample K4160						

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
g	si	ser qte	rock strongly solicified, same as start of K109
bl	cl si	qms qlens @nose of fold	
g b	si cl gr gv	qms	
b	si gr cl gv	qms	
b	si gv cl	qms	
b	si gr cl	qms	
ob	si cl gr gv	qms	Dup K4162
b rb	cl si	no rocks	
rb	si cl gr gv	q lens in qms?	
b yb	si s cl	qms	
gb	gr si gv	qms	
gb	si gr cl	qms	
b gb	si cl gr	qms	
b	si gr cl	qv qms	
b	si s gr gv	qms	
b	si cl	qms	
b	cl si s	qms	Dup K4163
lb	gr gv si cl	mqs	

Scheme Cc	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Au	Ag	Al	As	B	Ba	Be	Bi
Analysis Ur	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	0.009	0.4	1.14	44	<10	380	<0.5	<2
	0.006	0.5	1.56	21	<10	460	<0.5	<2
	0.003	0.3	1.5	14	<10	330	<0.5	<2
	0.003	<0.2	1.09	13	<10	210	<0.5	<2
	0.003	<0.2	1.16	17	<10	200	<0.5	<2
	0.001	<0.2	0.77	4	<10	260	<0.5	<2
	0.007	<0.2	1.86	17	<10	190	<0.5	<2
	0.001	0.5	1.63	22	<10	270	<0.5	<2
	0.003	1	1.04	70	<10	270	<0.5	<2
	0.003	0.4	1.3	19	<10	270	<0.5	<2
	0.003	0.3	1.6	17	<10	430	<0.5	<2
	0.003	0.7	1.88	19	<10	650	0.5	<2
	0.002	0.3	1.64	12	<10	430	<0.5	<2
	0.004	0.4	1.46	56	<10	550	<0.5	<2
	0.002	0.2	0.96	41	<10	310	<0.5	<2
	0.005	0.3	1.22	37	<10	600	0.5	<2
	0.002	0.4	1.1	36	<10	440	<0.5	<2
	0.007	<0.2	1.11	19	<10	220	<0.5	<2
	0.007	<0.2	1.86	17	<10	190	<0.5	<2
	0.003	<0.2	1.87	12	<10	200	<0.5	<2
	0.002	0.4	1.1	36	<10	440	<0.5	<2
	0.003	0.3	1.05	30	<10	490	<0.5	<2

ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %
0.38	<0.5	4	14	11	1.86	<10	1	0.1
0.61	<0.5	6	18	12	2.21	10	<1	0.09
0.22	<0.5	4	19	14	2.01	10	<1	0.08
0.17	<0.5	4	15	10	1.65	<10	<1	0.05
0.15	<0.5	4	17	10	1.78	<10	<1	0.06
0.09	<0.5	2	12	11	1.16	<10	1	0.03
0.11	<0.5	7	27	14	2.75	<10	<1	0.05
0.18	<0.5	6	25	8	2.85	10	<1	0.05
0.13	<0.5	3	14	7	2.05	<10	<1	0.11
0.18	<0.5	5	18	10	2.13	<10	1	0.07
0.45	<0.5	8	22	12	2.46	<10	<1	0.07
0.66	<0.5	8	28	13	2.52	10	<1	0.07
0.29	<0.5	6	24	9	2.07	<10	<1	0.05
0.44	<0.5	7	24	11	2.06	<10	<1	0.11
0.5	<0.5	6	19	7	1.62	<10	<1	0.08
0.96	<0.5	5	15	13	1.71	<10	1	0.1
0.62	<0.5	5	17	9	1.58	<10	1	0.08
0.33	<0.5	5	9	7	1.76	<10	<1	0.11
0.11	<0.5	7	27	14	2.75	<10	<1	0.05
0.11	<0.5	7	27	14	2.7	<10	1	0.05
0.62	<0.5	5	17	9	1.58	<10	1	0.08
0.72	<0.5	5	17	10	1.52	<10	<1	0.07

ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %
30	0.4	180	<1	<0.01	12	610	16	0.02
30	0.46	387	<1	<0.01	15	570	17	0.01
30	0.37	158	1	<0.01	12	430	17	0.01
30	0.36	149	<1	<0.01	12	380	17	<0.01
20	0.34	123	1	<0.01	11	300	15	<0.01
10	0.07	26	<1	<0.01	6	690	10	0.02
10	0.42	152	<1	<0.01	21	170	14	<0.01
10	0.38	316	1	<0.01	12	240	11	<0.01
20	0.26	170	1	<0.01	8	300	11	<0.01
30	0.63	247	1	<0.01	11	410	12	<0.01
20	0.79	778	<1	<0.01	14	870	13	<0.01
40	0.97	700	<1	0.01	16	910	16	0.01
30	1.05	346	<1	<0.01	13	570	13	<0.01
30	0.71	374	<1	<0.01	15	620	15	<0.01
30	0.57	248	<1	<0.01	11	690	14	0.01
40	0.41	257	<1	<0.01	13	530	21	0.02
30	0.58	246	<1	<0.01	9	590	12	0.01
30	0.53	215	1	<0.01	8	450	17	<0.01
10	0.42	152	<1	<0.01	21	170	14	<0.01
10	0.42	154	1	<0.01	20	190	12	<0.01
30	0.58	246	<1	<0.01	9	590	12	0.01
30	0.54	233	<1	<0.01	10	590	11	0.02

ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<2		3	30	0.02	<10	<10	25	<10	59
<2		4	44	0.03	<10	<10	31	<10	64
<2		2	21	0.03	<10	<10	37	<10	48
<2		2	14	0.03	<10	<10	27	<10	38
<2		2	12	0.04	<10	<10	31	<10	38
<2	<1		14	<0.01	<10	<10	13	<10	10
<2		3	11	0.05	<10	<10	48	<10	39
<2		3	16	0.05	<10	<10	65	<10	45
<2		2	11	0.03	<10	<10	40	<10	43
<2		3	13	0.02	<10	<10	27	<10	48
<2		4	29	0.02	<10	<10	25	<10	63
<2		5	43	0.01	<10	<10	25	<10	61
<2		3	19	0.02	<10	<10	20	<10	52
<2		3	32	0.02	<10	<10	26	<10	50
<2		3	32	0.02	<10	<10	18	<10	44
<2		3	67	0.02	<10	<10	22	<10	38
<2		2	41	0.01	<10	<10	18	<10	41
<2		2	24	0.01	<10	<10	19	<10	48
<2		3	11	0.05	<10	<10	48	<10	39
<2		3	12	0.06	<10	<10	48	<10	39
<2		2	41	0.01	<10	<10	18	<10	41
<2		2	48	0.01	<10	<10	17	<10	39

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR
TRAVERSE K112		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 115-0/14		
		Sampled: 9-Jun-04		By:		Sampled: 11-Jun-04		By:
		Sample Interval (m): 50				Sample Interval (m): 50		
K4164		590459	7090630		V	10	a b org	b
K4165		590421	7090606		S++	30	a orb f	b
K4166		590380	7090575		S++	10	a b org w	b
K4167		590346	7090544		S++	20	a org b	b
K4168		590299	7090506		S++	15	org a b	b
K4169		590265	7090479		S++	15	org a b	b
K4170		590226	7090452		S++	5	b org <a	b
K4171		590188	7090411		S++	10	b a org	b
K4172		590151	7090384		S++	10	a b org	b
K4173		590111	7090350		S++	10	b org a	b
K4174		590072	7090315		S++	10	a b org	b lb
K4175		590038	7090285		S++	10	a b org	b lb
K4176		589993	7090252		S++	5	b org <a	b
K4177		589955	7090226		S++	10	b org	b
K4178		589907	7090190		S++	10	org b	b
K4179		589882	7090159		S++	10	a b org	b
K4180		589841	7090124		S++	10	b org	b
K4181		589801	7090097		S++	10	org a <b	b
K4182		589763	7090068		S++	10	a org <b	b
K4183		589724	7090035		S++	5	a org <b	b
K4184		589688	7090005		S+	5	org b a	b g

K4170
K4185 Duplicate of Sample K4170

K4180
K4186 Duplicate of Sample K4180

K4164
DUP-K4164

K4176
DUP-K4176

SOIL COMPOSITION	ROCKS	COMMENTS		Au	Co
			Scheme C	MMI-B	MMI-B
AL, SJ			Analysis U	ppb	ppb
			Detection L	0.1	1
si cl	no rocks			0.12	10
s si cl	no rocks			<0.1	8
cl si	qms			<0.1	10
si cl	qms			<0.1	9
si cl	no rocks	5m uphill from ditch		<0.1	12
si cl	no rocks			<0.1	26
si cl	no rocks	Dup K4185		<0.1	3
cl si	no rocks			<0.1	2
si cl	qv lim, qms, X-cutting lim frac.			<0.1	28
si cl	qms c rich nose of fold			<0.1	14
s si gr cl	qms, small scale folding			<0.1	6
si gr s	qms qv			<0.1	10
gv s si	qms			<0.1	31
si cl	qv lim, qms, X-cutting lim frac.			<0.1	16
cl si	qms			<0.1	36
si cl	qv lim qms			<0.1	7
cl si	qms	Dup K4186		<0.1	17
si cl	qms			<0.1	10
si s	qv			<0.1	13
si cl	qms qv			<0.1	7
si s cl	qms lim qv			<0.1	31
				<0.1	3
				<0.1	3
				<0.1	17
				<0.1	21
				0.12	10
				<0.1	9
				<0.1	31
				<0.1	29

Ni MMI-B ppb	Pd MMI-B ppb	Ag MMI-B ppb
3	0.1	0.1
17	<0.1	0.97
10	0.2	0.34
14	<0.1	2.53
9	<0.1	2.28
10	0.15	2.94
39	<0.1	1.89
8	<0.1	3.91
14	<0.1	4.52
47	<0.1	10.2
12	<0.1	5.32
10	<0.1	3.08
18	<0.1	5.65
43	0.14	70.9
17	<0.1	11.5
54	<0.1	2.69
12	<0.1	1.41
15	<0.1	2.57
10	<0.1	3.23
11	<0.1	0.82
7	<0.1	0.6
14	<0.1	6.09
8	<0.1	3.91
9	<0.1	3.46
15	<0.1	2.57
11	<0.1	5.04
17	<0.1	0.97
16	<0.1	1.16
43	0.14	70.9
38	0.16	61

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K112(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 11-Jun-04			By: AL, SJ		
		Sample Interval (m): 50					
K4164		590459	7090630			15	b pf
K4165		590421	7090606			NO SAMPLE	
K4166		590380	7090575			15	b
K4167		590346	7090544			35	b pf
K4168		590299	7090506			25	b org
K4169		590265	7090479			30	b
K4170		590226	7090452			20	b
K4171		590188	7090411			25	b
K4172		590151	7090384			30	b
K4173		590111	7090350			20	b
K4174		590072	7090315			20	b
K4175		590038	7090285			15	b
K4176		589993	7090252			15	b
K4177		589955	7090226			20	b
K4178		589907	7090190			20	b
K4179		589882	7090159			15	b
K4180		589841	7090124			25	b
K4181		589801	7090097			15	b
K4182		589763	7090068			20	b
K4183		589724	7090035			20	b
K4184		589688	7090005			15	b
K4170							
K4185		Duplicate of Sample K4170					
K4180							
K4186		Duplicate of Sample K4180					

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme C	Au-ICP21
				Analysis U	Au ppm
b	si cl	no rocks			0.01
		no rocks			
b	cl s si	qms			0.001
b	cl gr si	qms			0.001
b	si cl	no rocks	5m uphill from ditch		0.002
b	si cl	no rocks			0.001
b	si cl	no rocks	Dup K4185		0.002
b gb	cl si	no rocks			0.002
b gb	cl si	qv lim, qms, X-cutting lim frac.			0.002
b	cl si qv	qms c rich nose of fold			0.009
lb	gr s si cl	qms, small scale folding			0.002
lb	si s cl	qms qv			0.001
lb	gr gv s si	qms			0.002
b	si cl	qv lim, qms, X-cutting lim frac.			0.003
b yb	cl si	qms			0.002
b	cl si	qv lim qms			0.001
lb	cl si gr	qms	Dup K4186		0.001
ob	si cl gr	qms			0.001
b ob	si cl	qv			0.001
ob	cl si	qms qv			0.003
ob	si cl gv	qms lim qv			0.001
					0.002
					0.002
					0.001
					0.002

ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm
0.4	0.84	31	<10	250	<0.5	<2	0.2	<0.5
<0.2	1.06	7	<10	210	<0.5	<2	0.17	<0.5
0.4	1.12	6	<10	310	<0.5	<2	0.24	<0.5
0.2	1.16	2	<10	390	<0.5	<2	0.41	<0.5
0.3	1.14	5	<10	340	<0.5	<2	0.38	<0.5
0.2	1.16	7	<10	370	<0.5	<2	0.43	<0.5
0.4	1.41	3	<10	440	<0.5	<2	0.6	<0.5
0.5	1.67	9	<10	490	0.6	<2	0.4	<0.5
<0.2	1.1	8	<10	210	<0.5	<2	0.16	<0.5
0.2	1.4	10	<10	300	<0.5	<2	0.3	<0.5
0.5	1.02	6	<10	270	<0.5	<2	0.18	<0.5
0.4	0.86	10	<10	170	<0.5	<2	0.13	<0.5
0.3	1.26	6	<10	250	<0.5	<2	0.16	<0.5
<0.2	1.3	12	<10	210	<0.5	<2	0.14	<0.5
<0.2	1.19	4	<10	180	<0.5	<2	0.11	<0.5
<0.2	1.14	6	<10	210	<0.5	<2	0.11	<0.5
<0.2	1.2	11	<10	140	<0.5	<2	0.07	<0.5
<0.2	1.06	9	<10	220	<0.5	<2	0.06	<0.5
0.2	1.88	18	<10	530	<0.5	<2	0.09	<0.5
<0.2	1.48	27	<10	350	<0.5	<2	0.05	<0.5
0.2	1.16	7	<10	370	<0.5	<2	0.43	<0.5
0.5	1.16	8	<10	390	<0.5	<2	0.48	<0.5
<0.2	1.14	6	<10	210	<0.5	<2	0.11	<0.5
<0.2	1.18	6	<10	220	<0.5	<2	0.12	<0.5

ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %
4	11	6	1.59	<10	<1	0.07	30	0.24
3	14	8	1.58	<10	<1	0.07	20	0.31
4	15	9	1.6	<10	<1	0.08	20	0.32
4	15	9	1.6	<10	<1	0.08	20	0.33
3	14	7	1.47	10	<1	0.07	20	0.32
3	15	8	1.49	<10	1	0.08	20	0.32
4	16	9	1.62	10	<1	0.08	20	0.36
6	19	14	1.99	10	1	0.1	30	0.4
3	15	7	1.6	<10	1	0.08	20	0.35
5	19	9	1.94	10	<1	0.09	20	0.42
4	15	17	1.53	<10	<1	0.07	20	0.3
3	11	10	1.4	<10	<1	0.07	30	0.33
4	17	13	1.71	<10	<1	0.07	20	0.4
4	18	12	1.9	<10	<1	0.05	20	0.4
3	15	10	1.7	<10	<1	0.04	20	0.38
4	15	11	1.59	<10	<1	0.05	30	0.44
3	13	8	1.96	<10	<1	0.05	10	0.48
3	11	6	1.32	10	<1	0.06	20	0.27
5	21	9	2.52	10	<1	0.06	20	0.35
4	13	7	1.98	<10	<1	0.07	30	0.29
3	15	8	1.49	<10	1	0.08	20	0.32
4	14	9	1.51	<10	<1	0.08	30	0.32
4	15	11	1.59	<10	<1	0.05	30	0.44
4	15	11	1.62	<10	<1	0.05	30	0.44

ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
118	2	<0.01	7	570	16	0.02	<2	1
86	1	<0.01	10	350	16	<0.01	<2	2
108	1	<0.01	11	430	15	0.01	<2	1
94	1	<0.01	11	460	16	0.03	<2	2
87	1	<0.01	9	340	16	0.01	<2	2
85	1	<0.01	11	450	17	0.02	<2	2
84	1	<0.01	13	380	22	0.02	<2	2
162	<1	<0.01	14	400	35	<0.01	<2	2
116	1	<0.01	11	290	19	<0.01	<2	2
150	1	<0.01	13	310	20	<0.01	<2	3
134	1	<0.01	11	330	19	<0.01	<2	2
108	1	<0.01	8	270	18	<0.01	<2	1
126	1	<0.01	12	290	15	<0.01	<2	2
122	<1	<0.01	12	230	14	<0.01	<2	2
109	<1	<0.01	9	130	12	<0.01	<2	2
126	1	<0.01	10	150	16	<0.01	<2	2
122	1	<0.01	9	140	18	<0.01	<2	2
77	1	<0.01	6	110	16	<0.01	<2	2
159	1	<0.01	9	190	22	<0.01	<2	3
119	1	<0.01	8	130	18	<0.01	<2	2
85	1	<0.01	11	450	17	0.02	<2	2
82	<1	<0.01	9	490	17	0.03	<2	2
126	1	<0.01	10	150	16	<0.01	<2	2
127	1	<0.01	11	150	16	<0.01	<2	2

ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
17	0.02	<10	<10	28	<10	34
15	0.03	<10	<10	27	<10	37
20	0.02	<10	<10	27	10	38
35	0.02	<10	<10	25	<10	37
31	0.02	<10	<10	25	<10	34
36	0.02	<10	<10	25	<10	35
53	0.02	<10	<10	28	<10	38
37	0.03	<10	<10	33	<10	49
13	0.03	<10	<10	29	<10	40
23	0.04	<10	<10	37	<10	44
18	0.04	<10	<10	27	<10	34
13	0.03	<10	<10	23	<10	36
15	0.04	<10	<10	29	<10	39
13	0.05	<10	<10	36	<10	37
12	0.05	<10	<10	32	<10	33
12	0.05	<10	<10	29	<10	37
8	0.03	<10	<10	30	<10	37
8	0.03	<10	<10	25	<10	23
11	0.04	<10	<10	49	<10	34
8	0.02	<10	<10	34	<10	31
36	0.02	<10	<10	25	<10	35
40	0.02	<10	<10	24	<10	35
12	0.05	<10	<10	29	<10	37
13	0.05	<10	<10	29	<10	37

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K113		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	2-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4320	594347	7091643		S++	25	a org
	K4321	594308	7091610		S++	25	b < a org
	K4322	594263	7091598		S++	25	b < org
	K4323	594217	7091571		S++	25	d org a b
	K4324	594174	7091546		S++	25	a b org
	K4325	594123	7091537		S++	20	d org a b
	K4326	594079	7091507		S++	20	ab org
	K4327	594035	7091489		S++	25	d org a b
	K4328	593986	7091472		S++	20	a b org
	K4329	593942	7091443		S++	20	a d org
	K4330	593902	7091424		S++	25	b d org
	K4331	593851	7091411		S++	20	a b org d
	K4332	593799	7091396		S++	20	a < b org
	K4333	593758	7091367		S++	20	b < a org
	K4334	593709	7091350		S++	25	a b org
	K4335	593662	7091327		S++	30	b <a
	K4336	593616	7091308		S++	25	a org
	K4337	593571	7091288		S++	30	b < a org
	K4338	593523	7091262		S++	15	b d org
	K4339	593479	7091234		S++	15	b < a <org
	K4340	593433	7091221		S++	15	b <<a org
	K4341	593386	7091210		S++	20	b < org
	K4342	593338	7091191		S+	25	a b org
	K4343	593300	7091166		S	20	b < a org
	K4344	593254	7091145		S	10	d ox b
	K4345	593218	7091130		S	20	b
	K4320						
	K4346	Duplicate of K4320					
	K4330						
	K4347	Duplicate of K4330					
	K4340						
	K4348	Duplicate of K4340					
	K4320						
UP-K4320							
	K4332						
UP-K4332							
	K4344						
UP-K4344							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
000 115-0/14			Scheme Code
By: PL, SJ			Analysis Unit
			Detection Limit
g b	si cl gr	folded qte m s, p ox	Frost heave, Dup K4346
lb	si s gr	qms (ser)	
lb	si s gr	qms	
b	si cl gr	qte, qtem, p ox	
b lb	si cl gr	qte m p ox	
b lb	si gr cl	qte ser ox p	
lb b	si gr cl	qte m ox p	
b g	si gr cl	c s Mt (dybase fol)	
lb g	si gr cl	c s Mt (dybase fol)	
b	si cl gr	c s Mt (dybase fol)	
b	si cl gr	c s Mt (dybase fol)	Dup K4347
b lb	si cl gr	c s Mt (dybase fol)	
b <lb	si cl gr	qms qv	
lb/ b	si cl gr	q p ox	
b lb	si cl gr	qms ox	
b lb	cl si gr	qms	
b	cl si gr	q f porph	
b lb	cl si gr	qms p ox	
lb	gr si cl	qms	
lb	si cl gr	qms	
lb b	gr cl si	qte ox m	Dup for K4348
lb	si cl gr	qte m s	
b lb	si cl gr	qms	
ob <b	si cl gr	qms, q	
g ob	si cl gr	qms	
g b	cl si gr	qte m ox	

Au MMI-B ppb 0.1	Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
<0.1	5	4	<0.1	0.65
<0.1	11	12	<0.1	3.03
<0.1	27	20	0.12	1.31
<0.1	26	14	<0.1	2.83
<0.1	12	9	<0.1	6.23
<0.1	8	7	<0.1	1.83
<0.1	17	13	<0.1	1.85
<0.1	9	7	<0.1	1.81
<0.1	22	11	<0.1	1.92
<0.1	20	12	<0.1	18.8
<0.1	14	11	<0.1	6.88
<0.1	9	8	<0.1	7.01
<0.1	15	12	<0.1	4.47
<0.1	11	9	<0.1	3.17
<0.1	15	12	<0.1	2.73
<0.1	16	11	<0.1	0.48
<0.1	30	11	<0.1	0.87
<0.1	8	13	<0.1	0.95
<0.1	5	14	<0.1	0.95
<0.1	4	5	<0.1	0.48
<0.1	6	6	<0.1	1.66
<0.1	4	5	<0.1	0.77
<0.1	6	8	<0.1	0.16
<0.1	9	8	<0.1	0.76
<0.1	10	11	<0.1	1.45
<0.1	13	11	<0.1	2.22
<0.1	5	4	<0.1	0.65
<0.1	6	4	<0.1	0.35
<0.1	14	11	<0.1	6.88
<0.1	12	11	<0.1	9.07
<0.1	6	6	<0.1	1.66
<0.1	7	8	<0.1	0.36
<0.1	5	4	<0.1	0.65
<0.1	5	4	<0.1	0.44
<0.1	15	12	<0.1	4.47
<0.1	14	13	<0.1	5.09
<0.1	10	11	<0.1	1.45
<0.1	11	13	<0.1	1.54

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K114		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,0	
		Sampled:	17-Jun-03	By:		Sampled:	17-Jun-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4235	588924	7091716		S++	20	org a <b
	K4236	588878	7091677		S++	30	org b
	K4237	588848	7091641		S++	40	org <a f
	K4238	588815	7091599		S++	15	org b <a pf
	K4239	588782	7091560		S++	20	org <a?f
	K4240	588752	7091523		S++	20	org a b
	K4241	588714	7091480		S++	30	b org
	K4242	588690	7091453		S++	15	org b <a pf
	K4243	588611	7091373		S++	10	org b a
	K4244	588584	7091340		S++	5	b <org
	K4245	588552	7091303		S++	25	org a b
	K4246	588521	7091268		S++	5	org a b
	K4247	588485	7091231		R	5	a b org
	K4248	588453	7091198		S	5	a org
	K4249	588423	7091160		S++	5	a b org
	K4250	588388	7091123				
	K4251	588354	7091084		S++	10	org a b
	K4252	588321	7091047		S++	5	org a b
	K4253	588289	7091015		S++	5	org b <a pf
	K4254	588251	7090974		S++	5	org b <a pf
	K4255	588215	7090937		S++	5	org a b
	K4256	588182	7090902		S++	5	org a b
	K4257	588150	7090864		S++	5	org a b
	K4258	588115	7090820		S++	5	org b a
	K4259	588081	7090789		S++	5	org b <a pf
	K4260	588048	7090756		S++	5	org b <a pf
	K4261	588012	7090718		S++	5	a org <b
	K4262	587979	7090684		S++	5	b org
	K4263	587947	7090641		S++	5	b org <a
	K4264	587908	7090608		S++	5	org a b
	K4265	587874	7090578		S++	5	b org

NOTE:qtz eye m s = possibly metar
NOTE:All of South slope is blocky c
approximately 1km from end of line

K4240	
K4266	Duplicate of Sample K4240
K4250	
K4267	Duplicate of Sample K4250
K4260	
K4268	Duplicate of Sample K4260
K4235	

DUP-K4235

K4247
DUP-K4247

K4253
DUP-K4259

COLOUR	SOIL COMPOSITION	ROCKS
00 115-0/14		
By:	AL, SJ	
b	si cl	qms ser? Ox
b	si cl	no rocks
b	si	no rocks
b	si cl	no rocks
bl b	si	no rocks
b	si cl	no rocks
b	si cl	q c s + iron carbonite
b	si s	qte m s, qv c lens, q b? m s, pink stain b?hem?, carbonite blebs
b	si s cl	q eye mica s
b	si	q eye m s, f? tr p
bl b	si s cl	q qugene m s, tr eu p
bl g ob	si s cl	q augene s lim
bl g ob	si s	q eye m s lim, tr p
bl	si s	q eyes por
b	si cl	q eye por
b	si s	qv ox
b	si	qms very weathered
b	si cl	qms hem staining, qv very smokey
b	si s	qms very weathered
b	si s	very weathered q eye m s
b	si cl	q eye m s
b g	si	q eye m s
b	si	no rocks
b	si s gr	qv with hem staining
b	si s cl	q eye m s
b bl	si s	qv eu p ox
b	si	no rocks
b	si	no rocks
b	si	no rocks
b	si	q eyes

morphased intrusive

ą eye muscovite shist to qzite, South slope seemed in general more mica along McKay creek changes to muscovite quartz shist.

COMMENTS	Scheme Code	Ag	As	Au	Ba
	Analysis Unit	MMI-M5	MMI-M5	MMI-M5	MMI-M5
	Detection Limit	ppb	ppb	ppb	ppb
		1	10	0.1	10
qv=large rocks		<1	12	<0.1	980
adjacent to creek		2	46	0.3	5889
poor sample (soil)		<1	18	0.1	3769
		1	90	0.4	4528
frozen moss		<1	39	0.1	3965
Dup for K4240		1	216	0.4	4454
		2	161	1.1	4008
		7	211	0.6	5554
100m past last point due to crossing					
a previously sampled line		1	15	<0.1	3021
		<1	13	<0.1	5632
		2	14	<0.1	9806
		<1	<10	<0.1	2508
		1	<10	<0.1	11410
		3	<10	<0.1	14680
		2	<10	<0.1	13370
		30	19	<0.1	7273
		15	23	0.1	21840
		2	<10	<0.1	7293
		46	14	<0.1	16640
		4	11	<0.1	5014
		5	<10	<0.1	12680
		3	<10	<0.1	17350
		5	12	<0.1	27640
		7	33	0.2	8259
		2	<10	<0.1	7236
Dup K4268		5	<10	0.1	5090
		15	26	0.1	8915
		52	14	0.1	4051
		10	12	0.2	21410
		2	<10	<0.1	9471
		4	12	0.3	11230
ceous that north side of line					
		1	216	0.4	4454
		2	457	0.8	7286
		30	19	<0.1	7273
		18	<10	<0.1	4041
		5	<10	0.1	5090
		5	<10	0.1	9865
		<1	12	<0.1	980
		<1	<10	0.1	1077

	1	<10		<0.1	11410
<1		<10		0.1	5699
	46		14	<0.1	16640
	2	<10		0.2	8753

Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb	Cu MMI-M5 ppb	Dy MMI-M5 ppb	Er MMI-M5 ppb	Eu MMI-M5 ppb
1	10	10	5	5	10	1	0.5	0.5
1	23	<10	<5	19	17	<1	<0.5	<0.5
1	64	<10	41	72	28	3	2.2	0.7
<1	41	<10	24	42	20	2	1.2	<0.5
<1	52	<10	58	36	429	4	2.2	1
<1	36	<10	59	30	71	6	3.8	0.7
1	51	<10	101	47	162	9	7.1	1.7
3	82	<10	19	36	131	3	1.5	0.6
3	<10	11	275	71	81	29	12.7	7.4
2	56	24	89	45	92	9	5.5	1.3
<1	121	23	10	87	30	2	3.3	<0.5
2	70	<10	29	188	41	4	3.6	<0.5
1	38	13	<5	72	44	<1	0.9	<0.5
1	199	32	6	122	43	2	2.3	<0.5
1	137	28	5	178	123	7	8.9	<0.5
1	93	21	57	403	55	13	14.1	<0.5
<1	92	37	214	151	497	81	47.7	10
3	286	186	150	1005	402	16	14	<0.5
<1	149	49	31	403	237	36	34	1.2
<1	327	21	181	59	346	82	39.5	10.7
<1	64	21	67	103	159	31	14.3	2.5
<1	218	10	11	324	71	9	10.6	<0.5
1	267	25	11	237	77	3	3.6	<0.5
<1	1090	222	54	179	231	13	7.4	1.1
<1	44	31	370	323	82	43	20.4	8.5
<1	134	<10	19	65	83	13	7.5	<0.5
<1	161	<10	13	172	99	14	9.2	1.1
1	330	111	24	267	215	28	23.1	2.4
<1	187	20	181	259	291	21	10.3	4.4
1	357	43	64	355	796	44	35	1.9
<1	609	36	50	130	154	8	3.4	1.1
<1	377	42	54	189	703	92	80.2	6.6
1	51	<10	101	47	162	9	7.1	1.7
3	131	12	200	117	516	23	17.2	4.1
<1	92	37	214	151	497	81	47.7	10
<1	25	14	263	134	199	40	19	5
<1	161	<10	13	172	99	14	9.2	1.1
<1	173	<10	12	317	83	9	10.3	<0.5
1	23	<10	<5	19	17	<1	<0.5	<0.5
<1	27	10	<5	12	<10	<1	<0.5	<0.5

1	199	32	6	122	43	2	2.3	<0.5	
<1	72	10	<5	51	22	1	1.4	<0.5	
<1	327	21	181	59	346	82	39.5	10.7	
<1	174	<10	17	94	99	8	7.6	<0.5	

Gd MMI-M5 ppb	La MMI-M5 ppb	Mg MMI-M5 ppm	Mo MMI-M5 ppb	Nb MMI-M5 ppb	Nd MMI-M5 ppb	Ni MMI-M5 ppb	Pb MMI-M5 ppb	Pd MMI-M5 ppb
1	1	1	5	0.5	1	5	10	1
<1	<1	8	<5	2.2	2	51	15	<1
3	16	38	<5	1.9	15	71	27	<1
2	11	17	<5	0.5	9	33	19	<1
5	27	21	135	2.4	23	63	22	<1
6	27	14	<5	0.6	21	45	27	<1
9	37	29	5	4.4	41	121	144	<1
3	19	48	12	6.9	13	80	56	<1
40	206	11	11	12.3	156	71	390	<1
9	27	15	<5	3.6	30	63	1234	<1
1	6	31	<5	3.7	6	192	70	<1
3	21	17	17	6.7	12	175	64	1
<1	2	9	6	3.2	1	46	46	<1
<1	3	20	<5	5.1	2	101	37	<1
2	4	26	<5	3.1	3	146	99	<1
7	32	31	<5	1.1	23	261	191	<1
49	39	42	<5	<0.5	126	568	629	<1
8	35	98	7	3.4	22	641	1029	<1
12	15	45	<5	<0.5	18	222	306	<1
67	80	104	<5	1.7	135	371	824	<1
19	32	20	7	0.9	33	163	1160	<1
2	6	65	<5	<0.5	4	346	98	<1
2	8	115	<5	0.9	4	328	48	<1
14	20	171	61	<0.5	26	224	125	<1
51	186	33	7	2.6	192	231	464	<1
6	11	51	<5	0.7	11	146	286	<1
6	6	62	<5	<0.5	11	243	331	<1
14	9	182	6	1.2	32	634	2549	<1
23	88	95	<5	1.5	91	251	696	<1
19	11	175	<5	0.7	31	1525	710	<1
10	13	128	<5	<0.5	18	174	82	<1
36	16	134	<5	<0.5	59	501	705	<1
9	37	29	5	4.4	41	121	144	<1
19	69	80	20	10.4	89	328	318	<1
49	39	42	<5	<0.5	126	568	629	<1
29	61	8	<5	0.7	84	236	443	<1
6	6	62	<5	<0.5	11	243	331	<1
2	7	70	<5	<0.5	6	402	214	<1
<1	<1	8	<5	2.2	2	51	15	<1
<1	2	9	<5	1.5	2	36	<10	<1

<1		3	20	<5		5.1	2	101	37	<1
<1		2	6		7	1.8	1	44	19	<1
	67	80	104	<5		1.7	135	371	824	<1
	3	9	81	<5		0.7	10	252	186	<1

Pr MMI-M5 ppb	Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb	Sn MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb	Tl MMI-M5 ppb
1	5	1	1	1	1	0.5	3	0.5
<1	18	<1	<1	<1	8	16.7	316	<0.5
3	9	<1	4	<1	2	48	216	<0.5
2	12	<1	2	<1	2	15	143	<0.5
5	<5	1	5	<1	<1	27.3	556	<0.5
5	6	1	5	<1	<1	28.7	190	<0.5
9	8	1	9	<1	<1	84.5	623	<0.5
3	62	2	3	<1	<1	62.4	877	<0.5
36	44	3	34	<1	<1	273	1890	<0.5
7	12	<1	7	<1	<1	35.4	1810	<0.5
1	24	1	2	<1	<1	31.8	664	<0.5
3	36	1	3	<1	<1	43.2	3090	<0.5
<1	54	<1	<1	<1	<1	6.8	1550	<0.5
<1	10	1	<1	<1	<1	37.4	893	<0.5
<1	23	<1	1	<1	<1	8.7	907	<0.5
6	26	<1	5	<1	<1	26.5	506	<0.5
20	154	1	39	<1	<1	58.8	248	<0.5
5	209	1	5	<1	<1	45.3	1220	0.5
4	44	<1	6	<1	<1	23.5	172	<0.5
25	62	1	40	<1	<1	65.2	448	<0.5
7	23	<1	9	<1	<1	29.3	485	<0.5
<1	8	<1	1	<1	<1	10.5	61	<0.5
1	<5	<1	1	<1	<1	9.9	294	<0.5
5	245	1	8	<1	<1	2.4	114	<0.5
42	33	1	42	<1	2	45.8	1100	<0.5
2	6	<1	3	<1	3	18.4	222	<0.5
2	10	<1	4	<1	1	24.5	72	<0.5
5	17	1	11	<1	3	54.9	471	<0.5
22	94	<1	21	<1	<1	27	590	<0.5
5	18	1	12	<1	2	64.8	189	<0.5
3	98	<1	6	<1	<1	6.9	76	<0.5
9	20	<1	25	<1	<1	49.8	46	<0.5
9	8	1	9	<1	<1	84.5	623	<0.5
19	11	4	22	<1	1	189	1550	<0.5
20	154	1	39	<1	<1	58.8	248	<0.5
17	93	<1	21	<1	<1	40.4	465	<0.5
2	10	<1	4	<1	1	24.5	72	<0.5
1	14	<1	2	<1	<1	33.9	54	<0.5
<1	18	<1	<1	<1	8	16.7	316	<0.5
<1	19	<1	<1	<1	<1	13.6	275	<0.5

<1	10	1	<1	<1	<1	37.4	893	<0.5
<1	5	<1	<1	<1	<1	16.3	358	<0.5
25	62	1	40	<1	<1	65.2	448	<0.5
2	7	<1	3	<1	<1	22.7	121	<0.5

U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
1	1	5	1	20	5
6	2	<5	<1	77	52
35	<1	21	4	229	60
12	<1	9	1	141	27
25	<1	24	3	201	44
21	<1	27	4	115	24
44	<1	69	8	410	84
42	<1	13	3	466	117
77	1	122	10	662	184
5	<1	35	3	2022	43
6	<1	17	6	519	142
11	<1	19	4	169	97
3	<1	<5	1	1836	48
5	<1	13	3	1425	105
3	<1	47	11	794	78
9	<1	80	18	117	42
12	<1	610	35	405	129
14	<1	119	11	2155	131
14	<1	170	28	540	31
14	<1	412	24	321	85
9	<1	139	9	280	32
5	<1	46	10	142	16
4	<1	16	5	704	57
6	<1	69	6	5885	28
10	1	190	13	286	45
5	<1	60	5	37	19
5	<1	101	8	119	35
7	<1	241	23	715	84
11	<1	114	6	570	61
11	<1	291	28	868	106
3	<1	36	3	179	25
28	<1	777	82	690	46
44	<1	69	8	410	84
90	2	175	21	1466	204
12	<1	610	35	405	129
6	<1	190	11	154	60
5	<1	101	8	119	35
8	<1	71	11	75	39
6	2	<5	<1	77	52
4	<1	<5	<1	138	46

5	<1	13	3	1425	105
2	<1	6	2	369	26
14	<1	412	24	321	85
9	<1	63	8	64	35

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)
TRAVERSE K114(-80)		GRAND FORKS 1:50,000 115-0/14				
		Sampled:	17-Jun-04		By: AL, SJ	
		Sample Interval (m):	50			
K4235		588924	7091716			40
K4236		588878	7091677			45
K4237		588848	7091641			NO sample
K4238		588815	7091599			30
K4239		588782	7091560			NO sample
K4240		588752	7091523			25
K4241		588714	7091480			35
K4242		588690	7091453			25
K4243		588611	7091373			25
K4244		588584	7091340			15
K4245		588552	7091303			30
K4246		588521	7091268			20
K4247		588485	7091231			15
K4248		588453	7091198			10
K4249		588423	7091160			15
K4250		588388	7091123			20
K4251		588354	7091084			25
K4252		588321	7091047			15
K4253		588289	7091015			15
K4254		588251	7090974			15
K4255		588215	7090937			20
K4256		588182	7090902			20
K4257		588150	7090864			20
K4258		588115	7090820			15
K4259		588081	7090789			15
K4260		588048	7090756			15
K4261		588012	7090718			15
K4262		587979	7090684			10
K4263		587947	7090641			15
K4264		587908	7090608			15
K4265		587874	7090578			10

NOTE:qtz eye m s = possibly metamorphased intrusive

NOTE:All of South slope is blocky q eye muscovite schist to qzite , South slope seemed in general more micaceous that north side of line approximately 1km from end of line along McKay

K4266	Duplicate of Sample K4240	NO ASSAYS REC
K4267	Duplicate of Sample K4250	NO ASSAYS REC
K4268	Duplicate of Sample K4260	NO ASSAYS REC

STATE	COLOUR	SOIL COMPOSITION	ROCKS
b	b	gv si cl	qms ser? Ox
b org pf	b	si cl	no rocks
			no rocks
b pf	b	si cl	no rocks
			no rocks
b pf	b	si cl	no rocks
b	b	si cl gr	q c s + iron carbonite
			qte m s, qv c lens, q b? m s, pink
b org pf	b	si cl s gr	stain b?hem?, carbonite blebs
b	b	si cl	q eye mica s
b <org	b	si	q eye m s, f? tr p
b pf	b	si cl	q qugene m s, tr eu p
b	ob	si cl gv	q augene s lim
b	ob	si	q eye m s lim, tr p
b	ob	si cl	q eyes por
b	b ob	si cl gr gv	q eye por
b	ob	si gr	qms ser? Ox
b	ob	si s gr	qv ox
b	ob yb	si s gr gv	qms very weathered
b	ob	si cl	qms hem staining, qv very smokey
b	ob	si s gr	qms very weathered
b	b ob	si s cl	very weathered q eye m s
b	ob	cl si	q eye m s
b	g ob	s si gr	q eye m s
b org	b gb	si cl	no rocks
b	ob	si s cl gr	qv with hem staining
b	ob	s	q eye m s
b	b ob	si cl s	qv eu p ox
b	ob b	si	no rocks
b	b rb	si cl	no rocks
b	b rb	si	no rocks
b	b yb	si cl	q eyes

:EIVED
:EIVED
:EIVED

COMMENTS	Scheme Code	Au-ICP21	ME-ICP41	ME-ICP41
		Au	Ag	Al
	Analysis Unit	ppm	ppm	%
qv=large rocks		0.002	0.6	0.82
adjacent to creek		0.008	0.2	0.83
poor sample (soil)				
		0.01	<0.2	0.79
frozen moss				
Dup for K4240		0.012	0.3	0.87
		0.015	0.4	0.92
		0.022	0.6	0.87
100m past last point due to crossing a previously				
sampled line		0.008	0.4	1.02
		0.006	<0.2	0.87
		0.004	<0.2	0.95
		<0.001	<0.2	0.95
		0.001	<0.2	0.71
		0.001	<0.2	1.08
		0.002	<0.2	1.15
Dup for K4250		0.001	0.3	1.48
		0.001	0.2	1.33
		0.001	<0.2	0.98
		0.002	0.3	1.28
		0.001	<0.2	1.22
		0.001	<0.2	0.84
		0.002	0.2	1.22
		0.002	<0.2	0.51
		0.005	0.3	0.92
		0.003	0.2	1.3
Dup K4268		0.003	0.3	1.66
		0.004	<0.2	0.76
		0.002	0.5	1.14
		0.002	0.3	1.29
		0.052	0.2	1.51
		0.008	<0.2	1.1

ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
12	<10	140	<0.5	<2	0.05	<0.5	1	9
16	<10	290	<0.5	<2	0.08	<0.5	2	8
12	<10	200	<0.5	<2	0.07	<0.5	<1	9
10	<10	390	<0.5	<2	0.14	<0.5	3	11
26	<10	120	<0.5	<2	0.08	<0.5	3	13
30	<10	170	<0.5	<2	0.07	<0.5	3	12
15	<10	340	<0.5	<2	0.09	0.5	4	13
12	<10	170	<0.5	<2	0.07	<0.5	3	12
6	<10	210	<0.5	<2	0.11	<0.5	4	15
15	<10	180	<0.5	<2	0.08	0.5	5	18
11	<10	180	<0.5	<2	0.03	<0.5	3	6
13	<10	200	<0.5	<2	0.07	<0.5	5	16
10	<10	300	<0.5	<2	0.09	<0.5	5	17
12	<10	230	<0.5	<2	0.07	<0.5	11	18
16	<10	180	<0.5	<2	0.08	<0.5	4	14
19	<10	230	<0.5	<2	0.06	<0.5	4	9
13	<10	280	<0.5	<2	0.08	<0.5	4	14
23	<10	260	<0.5	<2	0.06	<0.5	5	16
23	<10	190	<0.5	<2	0.08	<0.5	4	8
19	<10	210	<0.5	<2	0.08	<0.5	4	14
17	<10	190	<0.5	<2	0.07	<0.5	3	5
17	<10	260	<0.5	<2	0.11	<0.5	4	14
18	<10	270	<0.5	<2	0.1	<0.5	5	18
22	<10	300	0.5	<2	0.1	<0.5	7	24
35	<10	170	<0.5	2	0.06	<0.5	3	7
10	<10	240	<0.5	<2	0.13	<0.5	21	19
6	<10	450	<0.5	<2	0.14	<0.5	10	21
8	<10	670	0.5	<2	0.41	<0.5	11	28
13	<10	380	<0.5	<2	0.2	<0.5	6	17

ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm
12	1.1	<10	<1	0.06	20	0.12	75	<1
5	0.94	<10	<1	0.08	20	0.18	72	1
5	0.88	<10	<1	0.07	20	0.17	49	<1
5	0.91	<10	1	0.09	20	0.19	83	1
7	1.19	<10	1	0.09	20	0.2	58	1
8	1.41	<10	1	0.08	40	0.21	114	1
13	1.6	<10	1	0.08	30	0.21	146	1
8	1.47	10	1	0.06	20	0.14	116	1
9	1.54	<10	1	0.06	10	0.26	91	<1
6	3.27	10	1	0.07	10	0.26	325	2
4	1.44	<10	1	0.07	10	0.16	69	1
7	2.62	10	2	0.07	20	0.22	331	1
7	1.98	10	1	0.06	10	0.28	148	1
12	2.47	10	1	0.08	10	0.37	734	1
7	2.22	10	2	0.06	10	0.29	194	1
6	1.56	<10	1	0.07	20	0.25	210	1
9	1.88	10	1	0.09	20	0.27	271	1
8	2.33	10	<1	0.08	20	0.32	239	1
5	1.41	<10	1	0.08	20	0.21	139	1
7	1.84	<10	1	0.08	20	0.29	146	<1
4	0.97	<10	1	0.1	20	0.16	85	<1
8	1.62	<10	<1	0.09	20	0.29	120	1
10	2.1	<10	1	0.07	20	0.36	161	<1
12	2.46	10	1	0.08	10	0.37	215	<1
5	1.35	<10	<1	0.1	30	0.23	77	1
14	2.19	<10	1	0.11	10	0.29	1370	1
13	2.14	<10	2	0.06	10	0.35	940	1
19	2.56	<10	1	0.12	10	0.52	540	1
13	1.8	<10	<1	0.08	20	0.32	209	1

ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %
<0.01	4	460	21	0.02	2	1	7	0.02
<0.01	5	340	12	0.02	2	2	9	0.01
<0.01	6	330	9	0.02	<2	1	8	0.02
<0.01	8	390	14	0.03	<2	1	16	0.02
<0.01	7	440	19	0.03	<2	1	10	0.02
<0.01	8	390	25	0.01	<2	2	8	0.03
<0.01	10	530	31	0.02	2	1	12	0.03
<0.01	8	490	19	0.02	2	<1	9	0.02
<0.01	10	420	9	0.01	<2	<1	13	0.02
<0.01	8	590	16	0.02	2	1	10	0.09
<0.01	4	160	9	0.01	2	1	5	0.03
<0.01	8	370	11	0.01	<2	2	9	0.06
<0.01	9	240	12	<0.01	2	2	10	0.05
<0.01	12	640	13	0.01	3	3	9	0.04
<0.01	8	440	13	0.01	2	2	9	0.04
<0.01	6	250	10	<0.01	2	2	8	0.02
<0.01	9	270	12	<0.01	<2	3	10	0.04
<0.01	10	430	13	<0.01	<2	2	9	0.04
<0.01	6	230	11	<0.01	<2	2	10	0.03
<0.01	8	220	14	<0.01	<2	2	9	0.04
<0.01	5	210	9	<0.01	2	1	9	0.02
<0.01	10	340	10	<0.01	2	2	14	0.04
<0.01	11	170	12	<0.01	<2	2	12	0.04
<0.01	15	210	12	<0.01	<2	3	13	0.06
<0.01	5	140	18	<0.01	2	2	8	0.01
<0.01	13	500	10	<0.01	2	2	13	0.06
<0.01	17	270	8	<0.01	<2	3	14	0.06
<0.01	22	520	12	<0.01	2	3	34	0.06
<0.01	13	290	14	<0.01	<2	3	18	0.04

ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<10	<10	21	<10	22
<10	<10	14	<10	24
<10	<10	13	<10	21
<10	<10	13	<10	29
<10	<10	19	<10	29
<10	<10	22	<10	31
<10	<10	32	<10	36
<10	<10	36	<10	34
<10	<10	32	<10	28
<10	<10	91	<10	34
<10	<10	24	<10	19
<10	<10	60	<10	27
<10	<10	46	<10	30
<10	<10	42	<10	57
<10	<10	40	<10	45
<10	<10	22	<10	36
<10	<10	37	<10	32
<10	<10	40	<10	39
<10	<10	25	<10	27
<10	<10	33	<10	34
<10	<10	16	<10	20
<10	<10	30	<10	32
<10	<10	37	<10	38
<10	<10	48	<10	41
<10	<10	14	<10	29
<10	<10	45	<10	33
<10	<10	46	<10	37
<10	<10	53	<10	55
<10	<10	35	<10	35

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K115		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000	
		Sampled:	24-Jun-04	By:		Sampled:	24-Jun-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4305	591502	7088424		S	10	a org d
	K4306	591462	7088453		R	10	a org d
	K4307	591422	7088469		R	10	a org d
	K4308	591378	7088502		S	10	a ox b d org
	K4309	591337	7088534		S	15	a org
	K4310	591292	7088553		S	15	a org d
	K4311	591249	7088581		S+	15	b <a d org
	K4312	591211	7088614		S++	15	lots org d
	K4313	591169	7088638		S++	20	a b w org
	K4314	591130	7088662		S++	20	a/b w org
	K4315	591082	7088690		S++	25	b <a org w
	K4316	591043	7088716		S++	25	a b org w
	K4317	591001	7088744		S++	20	b w <org <a
	K4318	590957	7088768		S++	20	pf org a <b
	K4310						
	K4319	Check for K4310					
	K4310						
DUP-K4310							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		Au	Co	Ni
115-0/14				Scheme Co	MMI-B	MMI-B	MMI-B
By:	PL, SJ			Analysis Ur	ppb	ppb	ppb
				Detection L	0.1	1	3
b	cl si	qms			<0.1	13	33
b	cl si	qms ox			<0.1	30	29
b	cl si	c s / qte			<0.1	5	10
b g	cl si gr	c s qv ox p			<0.1	7	33
b	cl si	qms ox			<0.1	13	31
b	cl si	qms	Dup K4319		<0.1	6	12
lb <b	si cl gr	qms	lots of rocks		<0.1	2	3
b	cl si	qms			<0.1	5	6
b lb	cl gr gv	qte ser folded			<0.1	12	17
b lb	cl si gr	qte ser			<0.1	51	30
b lb	cl si gr	qte m			0.11	68	80
b lb	cl gr gv	qte m			<0.1	38	39
b	cl si	qms crenulated			<0.1	29	38
b	cl	qms			<0.1	223	114
					<0.1	6	12
					<0.1	7	12
					<0.1	6	12
					<0.1	4	9

Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
<0.1	1.79
<0.1	0.63
<0.1	1.34
0.11	4.09
<0.1	1.17
<0.1	3.87
<0.1	0.82
<0.1	0.25
<0.1	1.77
0.15	1.52
<0.1	4.36
0.12	2.23
0.13	3.82
0.2	1.07
<0.1	3.87
<0.1	2.26
<0.1	3.87
<0.1	3.14

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K115(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 22-Jun-04			By: PL, SJ		
		Sample Interval (m): 50					
K4305		591502	7088424			20	b
K4306		591462	7088453			25	b
K4307		591422	7088469			25	b
K4308		591378	7088502			25	b d
K4309		591337	7088534			25	b
K4310		591292	7088553			25	b <org
K4311		591249	7088581			30	b org
K4312		591211	7088614			30	w b
K4313		591169	7088638			30	w b
K4314		591130	7088662			35	w org
K4315		591082	7088690			35	b w <org
K4316		591043	7088716			35	w b
K4317		591001	7088744			35	w b
K4318		590957	7088768			30	b w org
K4310							
K4319		Check for K4310					

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Co	Au-ICP21	ME-ICP41
				Analysis Ur	Au ppm	Ag ppm
lb	cl si gr	qms			0.002	<0.2
lb	si cl gr	qms ox			0.001	<0.2
b	cl si gr	c s / qte			0.002	<0.2
lb	cl si	c s qv ox p			0.001	<0.2
ob	cl si gr	qms ox			0.004	<0.2
ob	si cl gv	qms	Dup K4319		0.003	<0.2
lob	si gr cl	qms	lots of rocks		0.001	<0.2
lb	cl si gv	qms			0.003	<0.2
lb	cl gr gv	qte ser folded			0.004	<0.2
gr b	cl si	qte ser			0.003	<0.2
lb	cl si gr	qte m			0.003	<0.2
lb	cl si gr	qte m			0.004	<0.2
b	cl si	qms crenulated			0.002	<0.2
b	si cl	qms			0.003	<0.2
					0.003	<0.2
					0.001	<0.2

ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm
0.87	6	<10	160	<0.5	<2	0.06	<0.5	1
0.85	4	<10	160	<0.5	<2	0.04	<0.5	2
2.62	12	<10	180	0.5	<2	0.18	<0.5	12
2.52	8	<10	170	0.6	<2	0.2	<0.5	12
1.8	11	<10	170	<0.5	<2	0.11	<0.5	8
1.28	11	<10	120	<0.5	<2	0.08	<0.5	3
1	5	<10	110	<0.5	<2	0.05	<0.5	3
1.24	7	<10	180	<0.5	<2	0.12	<0.5	4
1.08	8	<10	170	<0.5	<2	0.11	<0.5	3
1.38	7	<10	250	<0.5	<2	0.18	<0.5	4
1.54	6	<10	420	0.5	<2	0.26	<0.5	5
1.22	3	<10	260	<0.5	<2	0.23	<0.5	4
1.19	9	<10	240	<0.5	<2	0.22	<0.5	6
1.26	<2	<10	350	<0.5	<2	0.27	<0.5	5
1.28	11	<10	120	<0.5	<2	0.08	<0.5	3
1.06	11	<10	120	<0.5	<2	0.05	<0.5	3

ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm
10	6	1.18	<10	<1	0.04	10	0.16	63
11	7	1.72	<10	<1	0.03	10	0.17	68
64	22	4.69	10	<1	0.04	10	0.69	328
40	19	3.99	10	1	0.08	10	0.98	422
29	14	2.73	<10	<1	0.04	10	0.39	213
18	7	2.01	10	<1	0.04	10	0.25	111
14	7	1.76	<10	<1	0.05	30	0.27	108
17	11	1.76	<10	<1	0.05	20	0.35	143
15	11	1.64	10	<1	0.05	20	0.33	127
20	14	1.96	<10	<1	0.05	20	0.37	138
20	19	2.16	<10	<1	0.06	20	0.41	224
19	15	1.92	<10	<1	0.05	20	0.39	163
21	13	1.98	<10	<1	0.06	20	0.41	292
19	11	1.86	<10	<1	0.06	20	0.39	350
18	7	2.01	10	<1	0.04	10	0.25	111
10	6	1.54	<10	<1	0.05	20	0.21	118

ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
<1	<0.01	5	180	10	<0.01	<2	1	8
2	<0.01	5	140	30	0.03	2	1	11
1	<0.01	33	670	8	0.01	<2	4	15
2	<0.01	31	540	3	<0.01	<2	4	17
<1	<0.01	21	220	8	<0.01	<2	3	11
1	<0.01	8	160	7	<0.01	<2	2	9
1	<0.01	8	200	18	<0.01	<2	2	7
<1	<0.01	10	290	18	0.01	<2	2	12
1	<0.01	9	270	19	<0.01	<2	2	11
1	0.01	15	310	19	<0.01	<2	3	15
1	<0.01	18	460	21	0.01	<2	3	22
1	0.01	14	450	12	0.01	<2	2	19
1	<0.01	14	540	23	0.01	<2	2	18
1	<0.01	11	540	19	0.03	4	2	23
1	<0.01	8	160	7	<0.01	<2	2	9
1	<0.01	8	140	6	<0.01	<2	2	6

ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
0.03	<10	<10	28	<10	16
0.03	<10	<10	27	<10	19
0.15	<10	<10	113	<10	51
0.08		10	<10	62	<10	66
0.07	<10	<10	51	<10	46
0.06	<10	<10	46	<10	29
0.06	<10	<10	42	<10	34
0.06	<10	<10	36	<10	41
0.05	<10	<10	31	<10	41
0.07	<10	<10	38	<10	47
0.06	<10	<10	37	<10	58
0.06	<10	<10	39	<10	54
0.04	<10	<10	43	<10	54
0.04	<10	<10	38	<10	52
0.06	<10	<10	46	<10	29
0.01	<10	<10	20	<10	27

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K116		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:		By:		Sampled:	4-Jul-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4349	591368	7088573		S++	10	a org
	K4350	591395	7088614		S++	20	a org
	K4351	591428	7088654		S++	30	a org
	K4352	591451	7088694		S++	20	a org w
	K4353	591476	7088737		S++	30	pf a org
	K4354	591504	7088780		S++	25	w org a
	K4355	591533	7088821		S++	25	a org
	K4356	591563	7088864		S++	30	a org w
	K4357	591588	7088909		V/F	25	a org
	K4350						
	K4358	Duplicate of K4350					
	K4356						
DUP-K4356							

COLOUR	SOIL COMPOSITIO	ROCKS	COMMENTS		Au	Co	Ni
000 115-0/14				Scheme Co	MMI-B	MMI-B	MMI-B
By:	PL, SJ			Analysis Ur	ppb	ppb	ppb
				Detection L	0.1	1	3
b	cl si	qms q			<0.1	11	8
b	cl si	qms q	Dup K4358		<0.1	26	22
b	si cl	qms q			<0.1	10	11
b	cl si	qms, c s			<0.1	2	57
b	cl	qms, weakly carb / c s			<0.1	1	21
b	cl si	carb s/ m			<0.1	10	56
b	cl si	qms carb cs			<0.1	2	16
b	cl si gv	qms carb			<0.1	<1	123
b	cl	no rocks			<0.1	<1	43
					<0.1	26	22
					<0.1	28	21
					<0.1	<1	123
					<0.1	<1	133

Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
<0.1	0.16
<0.1	2.19
<0.1	0.91
<0.1	9.52
<0.1	10.1
<0.1	11.9
<0.1	10.8
<0.1	9.25
<0.1	0.6
<0.1	2.19
<0.1	1.63
<0.1	9.25
<0.1	10.4

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K116(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 4-Jul-04			By: PL, SJ		
		Sample Interval (m): 50					
K4349		591368	7088573			10	c
K4350		591395	7088614			20	b
K4351		591428	7088654			30	b
K4352		591451	7088694			20	b
K4353		591476	7088737			30	pf b
K4354		591504	7088780			25	w b
K4355		591533	7088821			25	b w
K4356		591563	7088864			30	b/c
K4357		591588	7088909			25	b org f

K4350
K4358 check for K4350

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Co Analysis Un	Au-ICP21 Au ppm	ME-ICP41 Ag ppm
ob	si cl gv	qms q			0.001	1.5
lb	cl si gr	qms q	Dup K4358		0.004	0.6
lb	cl si gv	qms q			<0.001	0.3
lb gr	cl si gr	qms, c s			0.001	1.1
lb	si cl gv	qms, weakly carb / c s			<0.001	0.5
lb	cl si gr	carb s/ m			<0.001	0.5
lb	cl si gr	qms carb cs			<0.001	0.4
b g	cl si gv	qms carb			<0.001	1
b gr	cl si	no rocks			<0.001	0.3
					0.004	0.6
					0.002	0.3

ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm
1.34	4	<10	100	<0.5	<2	0.06	<0.5	2
1.96	45	<10	160	<0.5	<2	0.27	<0.5	12
2.5	22	<10	260	0.5	<2	0.27	<0.5	14
2.11	11	<10	370	1	<2	0.61	<0.5	9
2.01	18	<10	200	0.7	<2	0.55	<0.5	15
2.1	12	<10	240	0.6	<2	0.46	<0.5	9
2.23	25	<10	260	0.6	<2	0.59	<0.5	14
2.22	36	<10	240	0.6	<2	0.67	<0.5	19
1.44	2	<10	160	<0.5	<2	0.52	<0.5	8
1.96	45	<10	160	<0.5	<2	0.27	<0.5	12
1.98	45	<10	170	<0.5	<2	0.29	<0.5	13

ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm
8	8	1.56	10	<1	0.08	20	0.67	190
67	32	2.92	10	<1	0.04	20	1.23	297
99	32	3.57	10	<1	0.08	10	1.83	570
53	41	3.29	10	<1	0.12	40	1.66	589
50	35	3.63	10	<1	0.13	20	1.47	560
61	29	3.02	10	<1	0.05	20	1.66	301
51	31	3.57	10	<1	0.05	20	1.52	534
51	36	3.61	10	<1	0.06	30	1.54	447
36	14	2.05	10	<1	0.06	10	0.85	212
67	32	2.92	10	<1	0.04	20	1.23	297
67	33	2.96	10	<1	0.04	20	1.23	303

ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
<1	<0.01	5	130	36	0.02	<2	2	5
1	0.01	45	640	11	0.02	<2	5	17
1	<0.01	48	680	13	0.03	<2	9	16
2	<0.01	33	960	33	0.05	<2	5	27
2	<0.01	40	1140	19	0.05	<2	4	25
2	<0.01	38	830	21	0.04	<2	5	21
2	0.01	39	1180	14	0.03	<2	6	28
4	0.01	48	1140	26	0.03	<2	7	33
1	0.01	19	630	18	0.04	<2	3	25
1	0.01	45	640	11	0.02	<2	5	17
1	<0.01	45	630	10	0.01	<2	5	18

ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
0.02	<10	<10	15	<10	72
0.05	<10	<10	61	<10	66
0.07	<10	<10	101	<10	72
0.05	<10	<10	44	<10	158
0.08	<10	<10	69	<10	110
0.07	<10	<10	54	<10	101
0.07	<10	<10	74	<10	98
0.06	<10	<10	79	<10	109
0.07	<10	<10	42	<10	75
0.05	<10	<10	61	<10	66
0.05	<10	<10	61	<10	65

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K117		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 1	
		Sampled:	23-Jun-04	By:		Sampled:	23-Jun-04
		Sample Interval (m):	50			Sample Interval (m):	50
	K4286	592074	7087800		S	15	b d
	K4287	592026	7087786		S	10	a b org
	K4288	591981	7087773		S+	15	a org w
	K4289	591937	7087757		S++	15	a org w
	K4290	591886	7087748		S++	15	b
	K4291	591837	7087728		S++	20	a org w
	K4292	591790	7087716		S++	15	a <b d
	K4293	591745	7087707		S++	20	b <a d
	K4294	591697	7087689		S++	30	a/b org d
	K4295	591644	7087677		S++	25	b <a org
	K4296	591601	7087659		S++	25	b <a org
	K4297	591553	7087637		S++	25	b a d org
	K4298	591501	7087625		S++	25	b a org d
	K4299	591458	7087620		S++	20	org d b
	K4300	591403	7087606		S++	20	d a org
	K4301	591371	7087589		S++	25	b org d
	K4302	591320	7087576		S++	15	d b
	K4290	591886	7087748		S++	15	
	K4303	Check fo K4290					Duplicate of
	K4300	591403	7087606		S++	20	
	K4304	Check for K4300					Duplicate of
	K4286	592074	7087800		S	15	
DUP-K4286							
	K4298	591501	7087625		S++	25	
DUP-K4298							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
115-0/14			Scheme Code
By:	PL, SJ		Analysis Unit
			Detection Limit
g lb	cl si	q bands, qms	
b lb	cl si gr	qte m s	
b lb	cl	c s	
lb	cl	c s	
lb	si cl gv	c s	Dup K4303
b lb	cl si gr	qms	
b <lb	si cl gv	qms qv	
lb b	si cl gv	qte p ox	
b lb	cl si	qv c s	
lb b	si cl gv	c qte	
lb b	si cl gv	c s	
lb b	si cl	c s	
b lb	cl si	dybase with Mt, c s weakly foliated	
lb	si cl	qte p lim blue q eyes	
b	cl	dybase Mt, weakly foliated	Dup K4304
lb	si cl	c s	
b	cl si	qte, p, f m	

K4290

K4300

Au MMI-B ppb 0.1	Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
<0.1	3	7	<0.1	1.52
<0.1	4	3	<0.1	2.73
<0.1	5	7	<0.1	0.62
<0.1	6	6	<0.1	1.7
<0.1	6	10	<0.1	3.94
<0.1	4	16	<0.1	6.47
<0.1	5	6	<0.1	1.12
<0.1	7	7	<0.1	2.77
<0.1	5	9	<0.1	2.78
<0.1	8	16	<0.1	17.9
<0.1	9	14	<0.1	2.41
<0.1	19	25	<0.1	3.45
<0.1	22	15	<0.1	7.48
<0.1	16	19	<0.1	8.32
<0.1	9	74	<0.1	8.69
<0.1	6	143	<0.1	9.97
<0.1	18	63	<0.1	9.43
<0.1	6	10	<0.1	3.94
<0.1	6	10	<0.1	2.2
<0.1	9	74	<0.1	8.69
<0.1	3	44	<0.1	4.67
<0.1	3	7	<0.1	1.52
<0.1	3	6	<0.1	1.44
<0.1	22	15	<0.1	7.48
<0.1	24	18	<0.1	8.17

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K115(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 23-Jun-04			By: PL, SJ		
		Sample Interval (m): 50					
K4286		592074	7087800			15	b d
K4287		592026	7087786			15	b <org
K4288		591981	7087773			25	b
K4289		591937	7087757			30	b w
K4290		591886	7087748			15	b
K4291		591837	7087728			30	b
K4292		591790	7087716			30	b d <org
K4293		591745	7087707			25	b
K4294		591697	7087689			35	b
K4295		591644	7087677			25	b <a org
K4296		591601	7087659			25	b
K4297		591553	7087637			25	b
K4298		591501	7087625			35	b
K4299		591458	7087620			20	org d b
K4300		591403	7087606			30	b <org
K4301		591371	7087589			25	b org d
K4302		591320	7087576			15	d b
K4290							
K4303	Check fo K4290	ASSAYS NOT RECEIVED					
K4300							
K4304	Check for K4300	ASSAYS NOT RECEIVED					

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
b lb	cl si	q bands, qms	
lb	cl si gr	qte m s	
lb	cl si gr	c s	
lb	cl si gr	c s	
lb	si cl gv	c s	Dup K4303
lb	si cl gr	qms	
lb	si cl <gv	qms qv	
lb	si cl gv	qte p ox	
lb	si cl gr	qv c s	
lb	si cl gv	c qte	
lb	si cl	c s	
lb	cl si	c s	
lb	si cl gr	diabase with Mt, c s weakly foliated	
lb	si cl	qte p lim blue q eyes	
lb	si cl	diabase Mt, weakly foliated	Dup K4304
lb	si cl	c s	
b lb	cl si	qte, p, f m	

Scheme Code	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Au	Ag	Al	As	B	Ba	Be	Bi
Analysis Unit	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	0.001	<0.2	0.84	<2	<10	110	<0.5	<2
	<0.001	<0.2	1.48	6	<10	150	<0.5	<2
	0.002	<0.2	1.32	7	<10	150	<0.5	<2
	0.002	<0.2	2.21	13	<10	210	0.6	<2
	0.001	<0.2	2.38	13	<10	260	0.8	<2
	0.004	<0.2	1.59	8	<10	250	0.5	<2
	0.002	<0.2	0.75	6	<10	100	<0.5	<2
	0.002	<0.2	1.02	3	<10	140	<0.5	<2
	0.001	<0.2	1.45	7	<10	160	<0.5	<2
	0.002	<0.2	1.53	<2	<10	220	0.5	<2
	0.002	<0.2	1.36	9	<10	170	<0.5	<2
	0.003	<0.2	2.04	4	<10	250	0.5	<2
	0.002	<0.2	1.52	6	<10	230	<0.5	<2
	0.002	<0.2	1.87	10	<10	190	<0.5	<2
	0.004	<0.2	1.7	7	<10	230	<0.5	<2
	0.002	<0.2	1.66	2	<10	260	<0.5	<2
	0.003	<0.2	1.37	<2	<10	190	<0.5	<2
	0.001	<0.2	2.38	13	<10	260	0.8	<2
	0.004	<0.2	1.7	7	<10	230	<0.5	<2

ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %
0.04	<0.5	1	3	2	0.67	<10	1	0.04
0.08	<0.5	4	16	7	2.13	10	<1	0.04
0.11	<0.5	6	21	10	2.8	10	1	0.04
0.12	<0.5	11	34	18	3.65	10	2	0.06
0.31	<0.5	14	25	16	4.03	10	1	0.16
0.12	<0.5	5	20	13	2.27	<10	<1	0.05
0.06	<0.5	1	10	5	1.26	<10	1	0.03
0.13	<0.5	5	15	9	1.8	<10	<1	0.04
0.13	<0.5	5	18	9	2.3	10	<1	0.04
0.2	<0.5	6	23	13	2.36	<10	<1	0.04
0.18	<0.5	7	22	12	2.19	<10	<1	0.04
0.39	<0.5	11	41	24	3.13	10	<1	0.05
0.38	<0.5	10	30	19	2.59	<10	2	0.04
0.32	<0.5	10	35	15	2.94	10	<1	0.04
0.45	<0.5	12	32	13	2.86	10	1	0.06
0.4	<0.5	10	33	17	2.42	<10	1	0.04
0.36	<0.5	8	28	12	2.33	<10	<1	0.04
0.31	<0.5	14	25	16	4.03	10	1	0.16
0.45	<0.5	12	32	13	2.86	10	1	0.06

ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %
20	0.21	38	<1	<0.01	1	60	8	<0.01
10	0.42	141	<1	<0.01	9	200	8	<0.01
10	0.36	150	1	<0.01	11	710	9	<0.01
10	0.69	267	1	<0.01	21	420	10	<0.01
10	1.42	473	1	<0.01	16	1060	5	0.01
20	0.59	178	1	<0.01	8	220	21	0.01
10	0.18	74	1	<0.01	3	120	16	<0.01
20	0.47	176	1	<0.01	10	240	11	<0.01
10	0.48	169	1	<0.01	11	290	15	<0.01
20	0.62	220	1	<0.01	12	280	10	<0.01
10	0.54	193	<1	<0.01	14	310	7	<0.01
10	0.91	281	<1	0.01	21	550	4	0.01
10	0.71	291	1	0.01	18	690	6	0.01
10	0.82	250	1	0.01	23	700	4	0.01
10	0.77	382	1	0.01	20	870	<2	0.01
10	0.72	440	1	0.01	18	640	5	0.01
10	0.6	221	1	0.01	16	510	6	0.01
10	1.42	473	1	<0.01	16	1060	5	0.01
10	0.77	382	1	0.01	20	870	<2	0.01

ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<2		1	7	0.02	<10	<10	17	<10	15
	2	2	13	0.06	<10	<10	38	<10	37
<2		2	11	0.08	<10	<10	62	<10	29
	2	5	13	0.11	<10	<10	76	<10	50
	3	4	15	0.17	<10	<10	106	<10	57
<2		3	12	0.07	<10	<10	50	<10	35
<2		1	7	0.03	<10	<10	27	<10	17
<2		2	11	0.06	<10	<10	37	<10	32
<2		2	10	0.09	<10	<10	55	<10	33
<2		3	14	0.09	<10	<10	54	<10	38
<2		3	14	0.08	<10	<10	48	<10	38
	2	4	23	0.13	<10	<10	74	<10	52
<2		4	23	0.11	<10	<10	60	<10	47
<2		3	18	0.11	<10	<10	66	<10	49
<2		3	24	0.12	<10	<10	69	<10	46
<2		4	25	0.09	<10	<10	55	<10	47
<2		3	21	0.08	<10	<10	53	<10	45
	3	4	15	0.17	<10	<10	106	<10	57
<2		3	24	0.12	<10	<10	69	<10	46

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K118		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	10-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4405	592533	7089488		S	25	b<a
	K4406	592572	7089456		S	20	b ox org
	K4407	592612	7089425		S	15	bd org
	K4408	592651	7089401		S++	20	b org d
	K4409	592685	7089360		S++	20	bd org
	K4410	592730	7089333		S++	25	d b
	K4411	592765	7089296		S++	20	d b org
	K4412	592805	7089274		S++	20	d b org
	K4413	592843	7089236		S++	20	b org d
	K4414	592881	7089201		S++	20	d b org
	K4415	592920	7089171		S++	20	b d org
	K4416	592947	7089125		S++	20	b d org
	K4417	592985	7089104		S++	20	b
	K4418	593032	7089067		S++	25	b d
	K4419	593066	7089038		S++	20	b org d
	K4420	593107	7089010		S++	20	d org b
	K4421	593149	7088978		S++	25	org b
	K4410						
	K4422	Check for K4410					
	K4420						
	K4423	Check for K4420					
	K4405						
DUP-K4405							
	K4417						
DUP-K4417							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		Au
000 115-0/14				Scheme Code	MMI-B
By:	PL, SJ			Analysis Unit	ppb
				Detection Limit	0.1
lb b	si cl gr	qte ser			<0.1
g	gr si gv	qms lim			<0.1
ob	si cl	cs			0.11
ob	si cl	qms cqs			<0.1
lb g b	gr si cl	qv			<0.1
ob	si cl	q ser s	Dup is K4422		<0.1
lb	si cl gr	meda q			<0.1
lb	gr si cl	meda q p ox/ qte carb			0.22
lb	si cl gr	cs			0.12
lb greenish	cl si	cs pox			0.16
lb	cl si	cs			0.28
lb	si cl gr	cs			<0.1
lb	cl si gr	cs			0.27
rb	si cl	no rocks			<0.1
ob	si cl	cs			<0.1
ob	si cl	cs	Dup is K4423		<0.1
ob	si cl	cs			<0.1
					<0.1
					<0.1
					<0.1
					<0.1
					<0.1
					<0.1
					0.27
					0.29

Co MMI-B ppb 1	Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
5	17	<0.1	33.4
22	7	<0.1	4.13
3	19	<0.1	53
13	15	<0.1	24.1
10	18	<0.1	109
11	45	<0.1	14.6
10	49	<0.1	20.2
2	114	<0.1	23.6
4	93	<0.1	26.4
1	117	<0.1	24.6
7	88	<0.1	25.8
3	41	<0.1	11.3
2	212	<0.1	22.6
5	56	<0.1	75.1
6	23	<0.1	25.7
9	67	<0.1	35.8
3	106	<0.1	11.7
11	45	<0.1	14.6
12	40	<0.1	22.1
9	67	<0.1	35.8
4	81	<0.1	43.5
5	17	<0.1	33.4
5	22	<0.1	38
2	212	<0.1	22.6
2	221	<0.1	21.3

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K119		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	9-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4387	593112	7089852		S++	10	c? Org d
	K4388	593155	7089819		S++	15	b ox a d
	K4389	593197	7089784		S++	25	b org d
	K4390	593220	7089746		S++	20	b org d
	K4391	593263	7089710		S++	20	b org d
	K4392	593298	7089681		S++	20	b org d
	K4393	593331	7089646		S++	20	b d org
	K4394	593372	7089610		S++	20	b d org
	K4395	593405	7089576		S++	20	b org
	K4396	593451	7089536		S++	20	b d
	K4397	593487	7089508		S++	20	d b org
	K4398	593480	7089500		S++	25	d b org
	K4399	593515	7089472		S++	20	b org
	K4400	593550	7089440		S++	20	d b org
	K4401	593585	7089407		S++	25	a b org
	K4402	593633	7089378		V	35	w org a
	K4390						
	K4403	Check for K4390					
	K4400						
	K4404	Check for K4400					
	K4392						
DUP-K4392							
	K4404						
DUP-K4404							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		Au	Co
000 115-0/14				Scheme Co	MMI-B	MMI-B
By:	PL, SJ			Analysis Ur	ppb	ppb
				Detection L	0.1	1
g	s si gv	qte m ox q			<0.1	4
lb	si cl gr	qte p ox			<0.1	3
lb	si cl gv	qte ser pyrolucite			<0.1	9
lb	si cl gr	q meda, c qte	Dup is K4403		<0.1	4
lb	si cl gr	q f p			<0.1	3
lb	si cl gr	qte p ox, c s, qfp			<0.1	7
lb	si cl gr	qfp, qv			<0.1	33
lb	si cl gr	qfp			<0.1	5
rb	si cl gr	qfp hem qv			<0.1	8
lb	si cl gr	qfp hem, qte c specs			0.11	25
lb	gr si cl	qte carb qfp ox			0.22	3
lb	si gr	qfp			<0.1	8
lb	si gr	qfp, qte with m c?			<0.1	7
yb	si cl gr	qfp			<0.1	2
b lb	si cl	qte ox	Dup is K4404		<0.1	7
b	cl	no rocks			<0.1	2
					<0.1	4
					<0.1	5
					<0.1	2
					<0.1	4
					<0.1	7
					<0.1	6
					<0.1	4
					<0.1	4

Ni MMI-B ppb 3	Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
4	<0.1	4.39
9	<0.1	53.2
16	<0.1	3.6
26	<0.1	26.4
26	<0.1	23.8
31	<0.1	20.4
35	<0.1	78.9
30	<0.1	29.3
27	<0.1	29.9
35	<0.1	127
76	<0.1	50.7
42	<0.1	17.4
65	<0.1	15.1
119	<0.1	103
29	<0.1	10.4
62	<0.1	3.08
26	<0.1	26.4
30	<0.1	27.5
119	<0.1	103
79	<0.1	62.6
31	<0.1	20.4
28	<0.1	19.1
79	<0.1	62.6
91	<0.1	61.5

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR
TRAVERSE		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 115-0/14		
		Sampled:		By:		Sampled:		By:
		Sample Interval (m): 50				Sample Interval (m): 50		
K4538		586228	7093377		R	10	a org d	b
K4539		586204	7093327		S	10	a org	b
K4540		586182	7093280		S	20	b <a	gb b
K4541		586158	7093244		S	10	b a org	ob b
K4542		586138	7093194		S	20	a org	b
K4543		586098	7093152		S+	20	a org	b gb
K4544		586101	7093107		S++	30	a b org	ob
K4545		586066	7093067		S++	20	b	yb
K4546		586047	7093022		S++	20	b	yb b
K4547		586026	7092974		S++	10	b <a org	b
K4548		585997	7092927		S++	10	a org	b
K4549		585977	7092884		S++	20	b ox	gb
K4550		585952	7092843		S++	10	b org	ob
K4551		585916	7092807		S++	10	a org	b
K4552		585891	7092760		S++	10	w b org	yb
K4553		585872	7092713		S++	10	b	ob
K4554		585844	7092675		S++	10	b	yb
K4555		585824	7092628		S++	10	b < a	yb b
K4556		585805	7092581		S++	10	b < a	yb
K4557		585776	7092537		S++	15	a org	b
K4558		585759	7092498		S++	10	a org	b
K4559		585739	7092452		S++	10	a org	b
K4560		585711	7092403		S++	20	b < org	yb
K4561		585698	7092358		S++	10	b < a org	yb < b
K4540								
K4562		dup for K4540						
K4550								
K4563		dup K4550						
K4560								
K4564		dup for K4560						
K4543								
DUP-K4543								
K4555								
DUP-K4555								

SOIL COMPOSITION	ROCKS	COMMENTS
PL, SJ		
cl si	qms ox	
cl si	qms qv	
si cl gv	qms ox crenulated	Dup 1
cl si gv	qte ser ox	
cl si	qte ser ox	
cl si gr	qte ser p ox	
cl si gv	q ser s with lim in q bands	
cl si	q ser s ox	
si cl gv	qte ser ox	
cl si gr	qte ser	
si cl gv	q ser s lim	
cl si gr	qte ser	
cl si gr	qte ser	dup 2
cl si	qte ser ox p	
cl si	qte ser	
si cl gr	q ser s	
si cl gr	qte ser	
cl si gr	qte ser lim	
cl si gv	qte ser lim	
cl si	qte banded < ser ox	
si cl	qte ser ox	
cl si	qte ser ox	
si gr cl	qte ser qv	Dup 3
cl si	qte banded p ox	

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
	<0.1	9	5	<0.1	2
	<0.1	7	6	<0.1	1.52
	<0.1	24	11	<0.1	0.71
	<0.1	7	6	<0.1	3.04
	<0.1	28	40	<0.1	11.2
	<0.1	50	32	<0.1	6.84
	0.14	15	7	<0.1	2.99
	<0.1	4	10	<0.1	9.28
	<0.1	3	9	<0.1	21.1
	<0.1	25	30	<0.1	8.37
	<0.1	24	35	<0.1	1.66
	<0.1	4	7	<0.1	2.05
	<0.1	18	12	<0.1	13.9
	<0.1	9	6	<0.1	0.7
	<0.1	9	9	<0.1	2.18
	<0.1	8	12	<0.1	4.8
	<0.1	34	12	<0.1	0.7
	<0.1	57	47	<0.1	5.39
	<0.1	17	17	<0.1	2.48
	<0.1	21	28	<0.1	1.86
	<0.1	9	63	<0.1	7.54
	<0.1	32	66	0.1	11.2
	<0.1	3	58	<0.1	7.45
	<0.1	12	87	<0.1	13
	<0.1	24	11	<0.1	0.71
	<0.1	18	31	0.13	6.31
	<0.1	18	12	<0.1	13.9
	<0.1	4	9	<0.1	24.4
	<0.1	3	58	<0.1	7.45
	<0.1	4	30	<0.1	8.42
	<0.1	50	32	<0.1	6.84
	<0.1	46	30	<0.1	6.72
	<0.1	57	47	<0.1	5.39
	<0.1	50	46	0.11	4.96

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K120 (-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled:			By: PL, SJ		
		Sample Interval (m): 50					
K120							
	K4538	586228	7093377		R	20	b
	K4539	586204	7093327		S	25	b
	K4540	586182	7093280		S	20	b
	K4541	586158	7093244		S	15	b
	K4542	586138	7093194		S	30	b
	K4543	586098	7093152		S+	30	b
	K4544	586101	7093107		S++	50	b
	K4545	586066	7093067		S++	20	b
	K4546	586047	7093022		S++	20	b
	K4547	586026	7092974		S++	30	b
	K4548	585997	7092927		S++	20	b
	K4549	585977	7092884		S++	30	b
	K4550	585952	7092843		S++	30	b org
	K4551	585916	7092807		S++	25	b
	K4552	585891	7092760		S++	30	w b org
	K4553	585872	7092713		S++	25	b
	K4554	585844	7092675		S++	25	b
	K4555	585824	7092628		S++	30	b
	K4556	585805	7092581		S++	25	b
	K4557	585776	7092537		S++	30	b
	K4558	585759	7092498		S++	30	b
	K4559	585739	7092452		S++	25	b
	K4560	585711	7092403		S++	20	b < org
	K4561	585698	7092358		S++	30	b

K4540
K4562 dup for K4540

K4550
K4563 dup K4550

K4560
K4564 dup for K4560

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code
				Analysis Unit
yb	cl si gr	qms ox		
rb	cl si gr	qms qv		
gb	si cl gv	qms ox crenulated	Dup 1	
ob	cl si gv	qte ser ox		
rb	cl si gr	qte ser ox		
yb	cl si gr	qte ser p ox		
gb	cl gv	q ser s with lim in q bands		
ob	cl si	q ser s ox		
yb	si cl gv	qte ser ox		
yb	cl si gv	qte ser		
ob	si cl gv	q ser s lim		
yb	si cl gv	qte ser		
ob	cl si gr	qte ser	dup 2	
ob	cl si gv	qte ser ox p		
yb	cl si	qte ser		
ob	si cl gr	q ser s		
yb	si cl gr	qte ser		
yb	cl si gv	qte ser lim		
yb	cl si gv	qte ser lim		
yb	si cl gr	qte banded < ser ox		
yb	si cl gr	qte ser ox		
yb	cl si	qte ser ox		
yb	si gv cl	qte ser qv	Dup 3	
yb b	cl si gr	qte banded p ox		

Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %
0.004	<0.2	1.3	20	<10	120	<0.5	2	0.1
0.004	0.2	1.28	10	<10	210	<0.5	<2	0.06
0.002	<0.2	1.33	15	<10	220	<0.5	2	0.08
0.001	<0.2	1.51	20	<10	200	<0.5	3	0.06
0.007	0.5	1.88	26	<10	330	<0.5	<2	0.09
<0.001	<0.2	0.95	12	<10	170	<0.5	<2	0.05
0.008	0.2	0.9	21	<10	300	<0.5	<2	0.08
0.002	0.3	1.32	22	<10	320	<0.5	<2	0.06
<0.001	0.3	0.63	8	<10	300	<0.5	<2	0.06
0.001	0.4	0.89	10	<10	260	<0.5	3	0.04
0.001	<0.2	0.98	5	<10	130	<0.5	<2	0.03
0.001	<0.2	1.38	11	<10	170	<0.5	<2	0.06
0.001	0.3	1.76	16	<10	210	<0.5	<2	0.09
<0.001	<0.2	0.88	6	<10	130	<0.5	2	0.06
0.002	<0.2	1.38	9	<10	210	<0.5	<2	0.06
<0.001	0.2	0.75	2	<10	120	<0.5	<2	0.03
<0.001	<0.2	0.93	5	<10	160	<0.5	<2	0.05
NSS	<0.2	0.85	7	<10	140	<0.5	2	0.07
<0.001	<0.2	1.25	9	<10	210	<0.5	<2	0.1
0.001	<0.2	1.1	8	<10	300	<0.5	2	0.26
<0.001	<0.2	1.08	3	<10	260	<0.5	2	0.19
0.002	<0.2	1.35	8	<10	250	<0.5	<2	0.18
0.001	<0.2	0.86	6	<10	160	<0.5	<2	0.15
0.004	<0.2	1.07	14	<10	170	<0.5	<2	0.16
0.002	<0.2	1.33	15	<10	220	<0.5	2	0.08
<0.001	<0.2	1.36	15	<10	220	<0.5	2	0.07
0.001	0.3	1.76	16	<10	210	<0.5	<2	0.09
0.003	0.2	1.78	11	<10	210	<0.5	<2	0.09
0.001	<0.2	0.86	6	<10	160	<0.5	<2	0.15
0.006	<0.2	0.88	4	<10	140	<0.5	3	0.14

ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm
<0.5	4	16	10	1.77	<10	<1	0.03	20
<0.5	3	14	8	1.87	<10	1	0.05	30
<0.5	6	17	13	1.84	<10	<1	0.06	40
<0.5	5	16	15	1.92	<10	<1	0.07	30
<0.5	6	22	14	2.35	<10	<1	0.07	30
<0.5	3	11	6	1.34	<10	<1	0.06	20
<0.5	3	12	8	1.17	<10	<1	0.09	30
<0.5	4	18	7	2.07	<10	<1	0.07	20
<0.5	1	8	4	0.99	<10	<1	0.07	20
<0.5	3	12	8	1.3	<10	<1	0.06	30
<0.5	2	10	7	1.27	<10	<1	0.06	40
<0.5	4	18	10	1.86	<10	<1	0.06	20
<0.5	7	24	12	2.69	10	2	0.07	20
<0.5	2	7	5	1.08	<10	1	0.07	10
<0.5	4	18	8	1.88	<10	<1	0.07	20
<0.5	2	7	5	1.19	<10	1	0.08	10
<0.5	3	11	7	1.42	<10	<1	0.09	20
<0.5	3	12	8	1.34	<10	<1	0.09	30
<0.5	4	18	13	2.05	<10	<1	0.08	20
<0.5	6	20	16	1.9	<10	<1	0.06	20
<0.5	3	16	12	1.71	<10	1	0.05	20
<0.5	5	21	12	2.08	<10	1	0.05	10
<0.5	4	14	7	1.52	<10	2	0.05	20
<0.5	4	15	8	1.75	<10	<1	0.07	20
<0.5	6	17	13	1.84	<10	<1	0.06	40
<0.5	4	17	12	1.74	<10	<1	0.07	30
<0.5	7	24	12	2.69	10	2	0.07	20
<0.5	6	24	11	2.58	<10	<1	0.07	20
<0.5	4	14	7	1.52	<10	2	0.05	20
<0.5	5	14	7	1.54	<10	<1	0.05	20

ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm
0.6	140	<1	<0.01	13	120	16	0.01	<2
0.33	104	<1	<0.01	5	270	13	0.01	<2
0.45	159	<1	<0.01	12	170	16	0.01	<2
0.35	132	<1	<0.01	10	160	17	0.01	2
0.39	287	<1	<0.01	13	200	14	0.01	2
0.31	101	<1	<0.01	6	140	10	0.01	<2
0.31	101	<1	<0.01	7	270	15	0.01	<2
0.33	136	<1	<0.01	10	210	15	0.01	<2
0.12	78	<1	<0.01	2	150	7	0.01	<2
0.26	80	<1	<0.01	8	90	15	0.01	<2
0.19	61	<1	<0.01	5	100	22	0.01	<2
0.26	114	<1	<0.01	11	90	24	<0.01	<2
0.39	231	<1	<0.01	15	200	18	0.01	<2
0.16	42	<1	<0.01	4	60	15	0.01	<2
0.28	124	<1	<0.01	8	110	14	0.01	<2
0.18	73	<1	0.01	5	70	10	0.01	<2
0.22	100	<1	0.01	6	100	14	0.01	<2
0.26	87	<1	0.01	6	80	12	0.01	<2
0.31	122	<1	0.02	12	140	12	0.01	<2
0.37	214	<1	0.02	14	310	7	0.01	<2
0.33	128	<1	0.02	11	260	9	0.02	<2
0.39	142	<1	0.02	14	270	8	0.01	<2
0.27	212	<1	0.02	10	310	13	0.01	<2
0.3	120	<1	0.02	10	340	10	0.01	<2
0.45	159	<1	<0.01	12	170	16	0.01	<2
0.39	135	<1	0.02	10	240	14	0.02	<2
0.39	231	<1	<0.01	15	200	18	0.01	<2
0.39	204	<1	0.02	14	180	20	0.01	<2
0.27	212	<1	0.02	10	310	13	0.01	<2
0.27	161	<1	0.02	9	280	10	0.01	<2

ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
2	13	0.03	<10	<10	28	<10	40
1	9	0.03	<10	<10	39	<10	35
3	11	0.03	<10	<10	31	<10	37
3	9	0.02	<10	<10	28	<10	37
3	11	0.03	<10	<10	41	<10	42
2	7	0.03	<10	<10	21	<10	28
1	11	0.03	<10	<10	19	<10	25
2	8	0.05	<10	<10	42	<10	32
1	8	0.04	<10	<10	28	<10	14
1	7	0.03	<10	<10	21	<10	26
2	7	0.02	<10	<10	18	<10	23
2	7	0.04	<10	<10	34	<10	29
3	10	0.06	<10	<10	52	<10	43
1	11	0.05	<10	<10	16	<10	18
2	8	0.05	<10	<10	39	<10	29
2	5	0.02	<10	<10	16	<10	22
2	8	0.03	<10	<10	25	<10	24
2	9	0.04	<10	<10	22	<10	28
2	12	0.05	<10	<10	37	<10	33
3	20	0.05	<10	<10	36	<10	36
3	17	0.04	<10	<10	29	<10	35
3	16	0.05	<10	<10	41	<10	39
2	12	0.04	<10	<10	27	<10	28
2	13	0.04	<10	<10	34	<10	31
3	11	0.03	<10	<10	31	<10	37
2	10	0.03	<10	<10	35	<10	31
3	10	0.06	<10	<10	52	<10	43
3	10	0.05	<10	<10	49	<10	41
2	12	0.04	<10	<10	27	<10	28
2	12	0.04	<10	<10	27	<10	27

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
K121		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	28-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4515	587001	7093315		S	10	a org
	K4516	586973	7093277		S	20	a org d
	K4517	586939	7093238		S	15	b d
	K4518	586917	7093190		R	15	b <a org
	K4519	586879	7093152		S	15	b < a org
	K4520	586855	7093116		S	15	b a org
	K4521	586826	7093073		S+	15	b a org
	K4522	586791	7093035		S++	10	b < a
	K4523	586765	7093000		S++	15	b a org
	K4524	586728	7092959		S++	15	a org d
	K4525	586705	7092908		S++	15	b < org
	K4526	586673	7092873		S++	10	a org d
	K4527	586655	7092827				
	K4528	586620	7092792		S++	15	a < b org
	K4529	586585	7092751		S++	15	b < a org
	K4530	586564	7092711		S++	20	b a org
	K4531	586534	7092670		S++	20	b<a org
	K4532	586506	7092623		S++	20	a org d
	K4533	586466	7092602		S++	10	b org
	K4534	586442	7092544		S++	25	a org w
	K4535	586414	7092497		S++	35	b a w pf o
	K4520						
	K4536	dup for K4520					
	K4530						
	K4537	dup for K4530					
	K4515						
DUP-K4515							
	K4527						
DUP-K4527							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
000 115-0/14			
By:	PL, SJ		
b	cl si	qms	
b	cl si	qms	
ob	cl si gr	qms b q eyes	
ob b	cl si gr	qv qte ser	
ob b	cl si gr	qte ser	
ob b	cl si gr	qte ser hem	Dup 1
ob b	cl si gr	qte ser lim rescorlite	
ob b	si cl gv	qte ser c in q bands	
ob b	cl sigr	baded qte hem par to bands cross cutting	
b	cl si	qte banded c? or ser? p ox	
ob	si cl gr	qms hem	
b	cl si	qte ser lim rescorlite	
b < ob	cl si	qte ser	
ob	cl si gr	qte ser	
yb b	cl si gr	qte ser ox	dup 2
ob b	cl si	qte m hem	
b	cl si	qte banded hem ser	
yb b	si cl	qms q lim pyrolucite	
b	cl si	qte ser b q eyes p ox	
gb b	cl si gv	qms	

Scheme Code	Ag MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5
Analysis Unit	ppb	ppb	ppb	ppb	ppb	ppm	ppb
Detection Limit	1	10	0.1	10	1	10	10
	8	13	0.6	3650	<1	53	33
	<1	58	<0.1	4725	2	13	<10
	13	122	0.8	3143	<1	15	<10
	11	94	0.3	2899	<1	11	<10
	26	42	0.4	1765	<1	11	<10
	33	44	0.2	1956	<1	<10	10
	11	39	0.2	2753	<1	12	11
	28	51	0.3	2111	1	<10	<10
	6	12	<0.1	2374	<1	<10	12
	7	45	<0.1	4294	1	<10	18
	20	107	0.5	3931	<1	<10	<10
	<1	<10	<0.1	3552	<1	<10	<10
	4	30	0.2	4023	<1	27	<10
	2	<10	<0.1	3464	<1	13	<10
	5	34	0.3	2713	<1	16	<10
	12	<10	0.1	1695	<1	34	<10
	37	213	0.8	4677	<1	<10	48
	19	16	<0.1	5013	<1	86	23
	24	25	0.2	3516	<1	55	18
	2	48	0.2	5559	2	21	35
	7	<10	0.1	3051	<1	19	<10
	33	44	0.2	1956	<1	<10	10
	26.4		0.22			9	
	12	<10	0.1	1695	<1	34	<10
	10.2		<0.1			20	
	8	13	0.6	3650	<1	53	33
	8	18	0.6	4658	<1	80	40
	4	30	0.2	4023	<1	27	<10
	5	34	0.2	5609	<1	50	13

Ce MMI-M5	Co MMI-M5	Cu MMI-M5	Dy MMI-M5	Er MMI-M5	Eu MMI-M5	Gd MMI-M5	La MMI-M5	Mg MMI-M5
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
5	5	10	1	0.5	0.5	1	1	1
18	252	320	287	197	9.3	72	7	20
71	116	82	17	8.8	1.6	11	38	11
307	39	95	46	15.3	8.2	48	155	4
134	30	91	31	10.9	4.3	28	68	4
192	32	70	29	10.6	4.6	30	104	5
200	43	99	51	20.2	5.2	34	61	7
176	64	98	52	19.4	6.5	47	73	11
442	23	100	49	17.1	8	54	216	4
26	66	87	39	20.7	1.8	16	12	11
201	132	184	72	34	5.9	43	114	8
605	36	123	69	23.2	14	91	310	7
15	77	22	5	6.1	<0.5	2	8	12
853	90	124	137	48.3	25	164	362	21
21	129	46	31	23.9	0.9	8	10	13
432	55	80	96	36.9	13.8	94	189	12
19	83	88	53	30	2.3	20	6	10
749	119	1065	274	131	22	156	178	10
240	27	221	81	31.1	8.2	59	45	18
339	51	188	112	40	13.8	97	125	22
526	243	206	121	72.6	16.5	113	172	13
36	53	85	19	15.4	0.8	6	14	9
200	43	99	51	20.2	5.2	34	61	7
19	83	88	53	30	2.3	20	6	10
18	252	320	287	197	9.3	72	7	20
15	280	372	273	205	7.5	62	6	27
853	90	124	137	48.3	25	164	362	21
814	101	159	161	59.3	27.2	184	326	31

Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5	Rb MMI-M5	Sb MMI-M5
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
5	0.5	1	5	10	1	1	5	1
<5	<0.5	43	118	1334	<1	6	33	<1
<5	4.2	37	68	280	<1	8	27	<1
<5	1.4	171	37	1252	<1	36	97	<1
<5	3.8	82	38	704	<1	16	71	<1
<5	2.1	109	17	991	<1	23	44	<1
<5	2.4	96	29	1544	<1	19	53	<1
<5	1.7	134	58	1131	<1	25	20	<1
<5	3.4	206	26	1627	<1	46	54	<1
<5	0.7	24	72	1365	<1	4	11	<1
<5	3.2	114	167	1596	<1	25	15	<1
<5	5.8	386	44	1031	1	83	52	1
<5	<0.5	8	66	39	<1	2	5	<1
<5	1.2	627	99	1045	<1	126	8	<1
<5	<0.5	14	71	283	<1	3	<5	<1
<5	1.2	294	64	848	<1	60	8	<1
<5	<0.5	24	86	480	<1	4	<5	<1
<5	1.3	337	345	994	1	63	74	<1
<5	<0.5	135	144	779	<1	23	23	<1
<5	<0.5	278	136	849	<1	51	<5	<1
7	2	305	131	803	<1	59	21	1
<5	<0.5	17	52	60	<1	4	16	<1
<5	2.4	96	29	1544	<1	19	53	<1
			5		<0.1			
<5	<0.5	24	86	480	<1	4	<5	<1
			13		<0.1			
<5	<0.5	43	118	1334	<1	6	33	<1
<5	<0.5	35	145	1033	<1	4	36	<1
<5	1.2	627	99	1045	<1	126	8	<1
<5	1.3	682	135	1018	<1	129	12	<1

Sm MMI-M5 ppb	Sn MMI-M5 ppb	Sr MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb	Tl MMI-M5 ppb	U MMI-M5 ppb	W MMI-M5 ppb
1	1	10	1	0.5	3	0.5	1	1
25	<1	636	1	84.4	<3	<0.5	38	2
8	<1	349	1	68.9	2110	<0.5	23	<1
38	<1	56	<1	108	774	0.7	13	<1
19	<1	103	<1	77.7	1980	<0.5	12	<1
22	<1	71	<1	72.2	1170	<0.5	8	<1
23	<1	73	<1	148	1270	<0.5	12	<1
32	<1	181	<1	79.8	926	<0.5	9	<1
43	<1	35	<1	171	1800	<0.5	15	<1
8	<1	191	<1	52.6	272	<0.5	14	<1
29	<1	169	<1	163	1160	<0.5	53	<1
81	<1	95	<1	164	3120	<0.5	28	1
2	<1	240	<1	22.6	105	<0.5	13	<1
137	<1	363	<1	84.8	675	<0.5	33	<1
4	<1	229	<1	30.2	61	<0.5	18	<1
70	<1	156	<1	114	553	<0.5	17	<1
9	<1	321	<1	8.1	<3	<0.5	6	<1
102	<1	206	<1	204	867	<0.5	185	2
38	<1	781	<1	41	93	<0.5	21	<1
70	<1	462	<1	75.9	171	<0.5	36	<1
88	<1	379	<1	205	858	<0.5	59	1
4	<1	224	<1	20.6	66	<0.5	15	<1
23	<1	73	<1	148	1270	<0.5	12	<1
9	<1	321	<1	8.1	<3	<0.5	6	<1
25	<1	636	1	84.4	<3	<0.5	38	2
21	<1	654	1	66.9	4	<0.5	30	2
137	<1	363	<1	84.8	675	<0.5	33	<1
148	<1	393	1	64.7	620	<0.5	27	<1

Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
5	1	20	5
1404	117	173	23
60	10	95	60
160	7	24	73
111	5	36	69
112	5	<20	48
178	9	109	47
203	9	211	24
163	8	50	73
144	11	<20	8
254	21	123	43
251	11	37	100
21	5	<20	<5
518	24	120	26
118	17	<20	<5
326	17	116	35
214	16	65	<5
929	70	130	129
288	15	76	8
389	18	123	26
417	59	499	90
64	11	<20	<5
178	9	109	47
214	16	65	<5
1404	117	173	23
1742	121	184	28
518	24	120	26
693	27	142	30

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K122		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000	
		Sampled:	12-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4424	587310	7092449		R	20	b < a org
	K4425	587267	7092436		S	25	b a org w
	K4426	587217	7092431		S	15	b < a org d
	K4427	587168	7092416		S+	15	a org d
	K4428	587116	7092404		S+	15	a org d
	K4429	587070	7092391		S+	15	org d
	K4430	587022	7092376		S++	25	a b org d
	K4431	586975	7092368		S++	20	a org d
	K4432	586926	7092359		S++	10	a org d
	K4433	586876	7092344		S++	25	a b org d
	K4434	586827	7092334		S++	15	a org
	K4435	586779	7092321		S++	10	a < b org d
	K4436	586728	7092310		S++	10	a d org
	K4437	586682	7092295		S++	10	a b org d
	K4438	586634	7092284		S++	15	b < a org
	K4439	586583	7092271		S++	10	a <b org d
	K4440	586537	7092261		S++	25	a org d
	K4441	586485	7092245		S++	20	a org d
	K4442	586443	7092229		S+	15	b
	K4443	586394	7092218		S+	15	a org d
	K4444	586346	7092202		S++	20	org a d
	K4445	586294	7092199		S++	25	a org
	K4446	586242	7092196		S+	30	a org w
	K4447	586196	7092181		S+	10	b < a org
	K4448	586150	7092154		S+	15	b a org d
	K4449	586100	7092152		S+	30	a org
	K4430	587022	7092376				
	K4451	Check for K4430			Duplicate of K4430		
	K4440	586537	7092261				
	K4452	Check for K4440			Duplicate of K4440		
	K4450	586052	7092135				
	K4453	Check for K4450			Duplicate of K4450		
	K4429	587070	7092391				
DUP-K4429							
	K4441	586485	7092245				
DUP-K4441							
	K4453	Check for K4450					
DUP-K4453							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		Au	Co	Ni
115-0/14				Scheme Cc	MMI-B	MMI-B	MMI-B
By:	PL, SJ			Analysis Ur	ppb	ppb	ppb
				Detection L	0.1	1	3
yb b	cl si	qte m			<0.1	10	10
yb b	cl si gr	q m s			<0.1	10	9
yb <b	si cl gr	bull q qte m			<0.1	4	9
b	si cl gv	q m s, qv			<0.1	19	18
b	cl si	qte m p ox			0.16	10	12
b	si cl	qte ser			0.16	12	15
b yb	cl si	qte m lim	Dup is K4451		0.11	11	10
b	si cl gr	q m s			<0.1	15	19
b	si cl	qte m p ox			<0.1	12	13
b <yb	cl si	q m s			<0.1	12	15
b	si cl	q m s, q			<0.1	16	20
b	cl si	q m s			<0.1	9	11
b	si cl	qms, qte m			<0.1	26	20
b yb	si cl	qms			<0.1	32	18
b	s si cl	qms			<0.1	36	15
b	cl si	qms q ser			<0.1	38	27
b	cl si	qte qms	Dup is K4452		<0.1	26	16
b	cl si	qms			<0.1	39	18
b	si cl gr	qms			<0.1	20	78
b	cl si	qms			<0.1	34	53
b	cl si	qms			0.1	32	88
b	si cl	no rocks			<0.1	9	53
b	cl	no rocks			<0.1	3	28
b	cl	no rocks			<0.1	5	25
b	cl	qms			<0.1	5	57
b	cl	no rocks			0.12	5	357
					0.11	11	10
					0.1	9	8
					<0.1	26	16
					<0.1	26	17
					<0.1	3	103
					<0.1	3	65
					0.16	12	15
					0.11	14	19
					<0.1	39	18
					<0.1	37	18
					<0.1	3	65
					<0.1	3	72

Pd MMI-B ppb 0.1	Ag MMI-B ppb 0.1
<0.1	3.29
<0.1	0.48
<0.1	2.63
0.19	2.82
<0.1	7.43
0.19	4.07
<0.1	1.73
<0.1	2.66
<0.1	0.94
<0.1	3.25
<0.1	1.14
<0.1	3.15
0.14	3.09
<0.1	0.73
<0.1	4.13
<0.1	0.41
<0.1	2.43
<0.1	3.12
<0.1	4.88
<0.1	4.3
0.21	8.81
<0.1	4.3
<0.1	2.15
<0.1	3.34
<0.1	3.59
0.15	10.8
<0.1	1.73
<0.1	1.99
<0.1	2.43
<0.1	3.65
<0.1	5.04
<0.1	3.14
0.19	4.07
0.17	3.85
<0.1	3.12
<0.1	3.38
<0.1	3.14
<0.1	3.53

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K122(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 12-Jul-04			By: PL, SJ		
		Sample Interval (m): 50					
K4424		587310	7092449		R	30	b org
K4425		587267	7092436		S	35	b
K4426		587217	7092431		S	15	b org d
K4427		587168	7092416		S+	25	b
K4428		587116	7092404		S+	25	d b <org
K4429		587070	7092391		S+	20	b d
K4430		587022	7092376		S++	35	b
K4431		586975	7092368		S++	35	b
K4432		586926	7092359		S++	20	b
K4433		586876	7092344		S++	35	b d
K4434		586827	7092334		S++	25	b
K4435		586779	7092321		S++	20	b
K4436		586728	7092310		S++	20	b
K4437		586682	7092295		S++	25	b
K4438		586634	7092284		S++	25	b
K4439		586583	7092271		S++	25	b org
K4440		586537	7092261		S++	30	b
K4441		586485	7092245		S++	30	b
K4442		586443	7092229		S+	15	b
K4443		586394	7092218		S+	30	b
K4444		586346	7092202		S++	35	b w
K4445		586294	7092199		S++	NO SAMPLE	N
K4446		586242	7092196		S+	45	b pf
K4447		586196	7092181		S+	30	b
K4448		586150	7092154		S+	30	b
K4449		586100	7092152		S+	40	b pf
K4450		586052	7092135		S+	45	b f

K4430
K4451 Check for K4430

K4440
K4452 Check for K4440

K4450
K4453 Check for K4450

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS	Scheme Code	Au-ICP21	ME-ICP41	
					Au	Ag	
				Analysis Unit	ppm	ppm	
yb	cl si	qte m			0.003	<0.2	
yb	cl si gr	q m s			0.001	<0.2	
yb	si cl gv	bull q qte m			0.001	<0.2	
yb	cl si gr	q m s, qv			0.004		0.3
yb	cl si gr	qte m p ox			0.006	<0.2	
yb	cl si	qte ser			0.015	<0.2	
yb	cl si gr	qte m lim	Dup is K4451		0.004	<0.2	
yb	si cl gr	q m s			0.006	<0.2	
yb	si cl gr	qte m p ox			0.003	<0.2	
yb	cl si	q m s			0.001	<0.2	
yb	si cl gr	q m s, q			<0.001	<0.2	
yb	s si cl	q m s			0.002	<0.2	
yb	si cl gr	qms, qte m			0.002	<0.2	
yb	si cl gr	qms			<0.001	<0.2	
yb	si s cl	qms			0.002	<0.2	
yb	cl si gr	qms q ser			0.007	<0.2	
yb	si cl	qte qms	Dup is K4452		0.002	<0.2	
yb	cl si gr	qms			0.001	<0.2	
lb	si cl gr	qms			0.005	<0.2	
g b	cl si	qms			<0.001	<0.2	
b	cl si	qms			0.018	<0.2	
NO SAMPLE		no rocks					
b	cl	no rocks			0.002	<0.2	
b	cl <si	no rocks			0.001	<0.2	
gb	cl si	qms			0.001	<0.2	
lb	cl si	no rocks			0.002	<0.2	
lb	cl	no rocks	Dup is K4453		0.001	<0.2	
					0.004	<0.2	
					0.017	<0.2	
					0.002	<0.2	
					0.005	<0.2	
					0.001	<0.2	
					0.001	<0.2	

ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm
2.07	49	<10	180	<0.5	<2	0.07	<0.5	8
1.98	31	<10	180	<0.5	<2	0.07	<0.5	6
1.75	75	<10	170	<0.5	<2	0.06	<0.5	5
1.98	72	<10	180	<0.5	<2	0.07	<0.5	7
1.28	250	<10	160	<0.5	<2	0.06	<0.5	4
1.02	89	<10	110	<0.5	<2	0.03	<0.5	2
1.24	90	<10	140	<0.5	<2	0.05	<0.5	4
1.2	105	<10	180	<0.5	<2	0.06	<0.5	4
1.03	85	<10	150	<0.5	<2	0.05	<0.5	3
1.26	79	<10	200	<0.5	<2	0.09	<0.5	4
0.98	84	<10	140	<0.5	<2	0.06	<0.5	3
1.04	55	<10	170	<0.5	<2	0.06	<0.5	5
1.09	42	<10	160	<0.5	<2	0.06	<0.5	4
1.12	50	<10	170	<0.5	<2	0.06	<0.5	4
1.06	48	<10	140	<0.5	<2	0.08	<0.5	4
0.97	30	<10	250	<0.5	<2	0.19	<0.5	6
1.09	38	<10	160	<0.5	<2	0.16	<0.5	5
1.37	35	<10	240	<0.5	<2	0.19	<0.5	5
1.04	20	<10	290	<0.5	<2	0.26	<0.5	5
1.1	14	<10	270	<0.5	<2	0.23	<0.5	5
1.13	13	<10	290	<0.5	<2	0.34	<0.5	5
1.12	9	<10	250	<0.5	2	0.57	<0.5	7
1.61	20	<10	440	0.5	<2	0.38	<0.5	9
1.16	14	<10	290	<0.5	2	0.31	<0.5	5
0.88	11	<10	260	<0.5	2	0.41	<0.5	6
1.18	14	<10	360	<0.5	3	0.45	<0.5	8
1.24	90	<10	140	<0.5	<2	0.05	<0.5	4
1.26	87	<10	160	<0.5	<2	0.05	<0.5	5
1.09	38	<10	160	<0.5	<2	0.16	<0.5	5
1.12	38	<10	180	<0.5	<2	0.16	<0.5	4
1.18	14	<10	360	<0.5	3	0.45	<0.5	8
1.03	13	<10	320	<0.5	<2	0.4	<0.5	7

ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm
28	12	3.19	10	<1	0.04	10	0.46	282
22	9	2.99	10	<1	0.06	20	0.64	175
20	12	2.43	10	<1	0.05	20	0.4	157
25	13	3.02	10	<1	0.06	10	0.38	226
13	9	1.98	<10	<1	0.06	20	0.23	129
10	7	1.72	<10	<1	0.06	20	0.2	99
14	23	1.73	<10	<1	0.05	20	0.28	138
14	13	1.73	<10	<1	0.05	20	0.27	141
12	9	1.56	<10	<1	0.05	20	0.23	121
15	13	1.76	<10	<1	0.06	20	0.28	108
10	8	1.43	<10	<1	0.05	20	0.24	103
13	11	1.62	<10	<1	0.05	20	0.26	153
13	10	1.61	<10	<1	0.04	20	0.26	129
13	10	1.67	10	<1	0.05	10	0.26	144
13	9	1.64	<10	<1	0.05	10	0.27	113
15	14	1.64	<10	<1	0.04	20	0.33	143
14	14	1.7	<10	<1	0.05	20	0.3	129
18	10	1.95	<10	<1	0.05	20	0.36	117
16	13	1.66	<10	<1	0.04	20	0.36	163
15	10	1.54	<10	<1	0.04	10	0.33	119
19	11	1.71	<10	<1	0.04	10	0.42	130
20	11	1.9	<10	1	0.04	10	0.41	213
26	18	2.74	<10	<1	0.05	20	0.54	317
18	12	1.84	<10	1	0.04	20	0.38	130
18	10	1.66	<10	<1	0.04	10	0.36	297
20	15	2.05	<10	1	0.04	10	0.44	293
14	23	1.73	<10	<1	0.05	20	0.28	138
17	9	1.84	<10	<1	0.05	20	0.28	154
14	14	1.7	<10	<1	0.05	20	0.3	129
16	11	1.74	<10	<1	0.05	20	0.29	130
20	15	2.05	<10	1	0.04	10	0.44	293
18	13	1.8	<10	1	0.04	10	0.38	293

ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
2	<0.01	14	220	15	<0.01	<2	3	10
1	<0.01	11	240	13	<0.01	<2	3	11
1	<0.01	10	200	14	0.01	<2	2	8
1	<0.01	15	230	18	0.01	<2	3	10
1	<0.01	7	150	19	<0.01	<2	2	9
1	<0.01	6	250	10	<0.01	2	2	6
<1	<0.01	8	110	22	<0.01	2	2	8
1	<0.01	9	130	17	<0.01	<2	2	10
<1	<0.01	7	150	12	0.01	<2	2	8
1	<0.01	9	180	15	<0.01	<2	2	12
<1	<0.01	6	110	12	<0.01	<2	2	9
1	<0.01	10	140	13	<0.01	<2	2	9
1	<0.01	8	120	13	<0.01	<2	2	8
1	<0.01	9	180	13	<0.01	<2	2	9
1	<0.01	11	280	10	<0.01	<2	2	10
1	<0.01	12	360	10	<0.01	<2	3	17
1	<0.01	10	410	11	<0.01	<2	2	15
1	<0.01	11	420	10	<0.01	<2	2	17
<1	0.01	11	470	9	<0.01	<2	3	21
1	<0.01	12	510	7	0.01	<2	2	19
1	0.01	13	520	10	0.01	<2	3	24
1	0.01	14	670	7	0.03	<2	3	32
1	0.01	19	690	11	0.03	<2	3	26
1	0.01	12	570	9	0.02	<2	3	22
1	0.01	12	730	6	0.01	<2	2	26
1	0.01	17	670	7	0.02	2	3	31
<1	<0.01	8	110	22	<0.01	2	2	8
<1	<0.01	8	110	13	0.01	<2	2	7
1	<0.01	10	410	11	<0.01	<2	2	15
1	<0.01	10	420	9	0.01	<2	2	14
1	0.01	17	670	7	0.02	2	3	31
1	0.01	14	640	7	0.02	<2	2	27

ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
0.06	<10	<10	58	<10	49
0.04	<10	<10	48	<10	48
0.04	<10	<10	45	<10	39
0.04	<10	<10	53	<10	46
0.02	<10	<10	32	<10	31
0.03	<10	<10	29	<10	28
0.03	<10	<10	30	<10	46
0.03	<10	<10	31	<10	31
0.03	<10	<10	29	<10	28
0.03	<10	<10	32	<10	30
0.03	<10	<10	23	<10	29
0.03	<10	<10	28	<10	31
0.04	<10	<10	29	<10	29
0.04	<10	<10	31	<10	33
0.04	<10	<10	30	<10	36
0.04	<10	<10	30	<10	41
0.04	<10	<10	29	<10	42
0.05	<10	<10	37	<10	45
0.04	<10	<10	32	<10	44
0.04	<10	<10	31	<10	37
0.05	<10	<10	38	<10	45
0.04	<10	<10	38	<10	50
0.05	<10	<10	50	<10	62
0.04	<10	<10	36	<10	45
0.05	<10	<10	35	<10	43
0.05	<10	<10	40	<10	52
0.03	<10	<10	30	<10	46
0.03	<10	<10	31	<10	32
0.04	<10	<10	29	<10	42
0.04	<10	<10	30	<10	41
0.05	<10	<10	40	<10	52
0.04	<10	<10	37	<10	48

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K123		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 11	
		Sampled:	8-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4375	583838	7095834		S+	20	b < a d org
	K4376	583805	7095798		S+	20	b < a
	K4377	583770	7095764		S++	20	b org d
	K4378	583738	7095728		S++	20	b org d
	K4379	583698	7095687		S++	10	b org d
	K4380	583674	7095645		S++	15	b d org
	K4381	583640	7095608		S++	10	b d org
	K4382	583626	7095587		S++	10	b d org
	K4383	583609	7095567		S++	10	b d org
	K4384	583571	7095536		S++	10	b d org
	K4385	583539	7095500		S++	10	b d org
	K4386	Check for K4380					
DUP-K4380							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS		Au	Co
15-0/14				Scheme Code	MMI-B	MMI-B
By:	PL, SJ			Analysis Unit	ppb	ppb
				Detection Limit	0.1	1
b < db	si cl	qte m			<0.1	18
lb b	si cl	qte m			<0.1	40
lb	si cl	qte m			<0.1	40
lb	si cl	qte m			<0.1	45
lb	si cl	qte m p ox			<0.1	4
lb	si cl	qte m hem	Dup is K4386		<0.1	2
lb	si cl	qte m			<0.1	12
lb	si cl	qte m			<0.1	6
lb	si cl	qte m p ox			<0.1	12
lb	si cl	qte m hem			<0.1	17
lb	si cl gv	qte , pox			<0.1	32
					<0.1	3
					<0.1	2

Ni MMI-B	Pd MMI-B	Ag MMI-B
ppb	ppb	ppb
3	0.1	0.1
21	<0.1	7.53
19	<0.1	2.2
22	<0.1	2.48
27	<0.1	0.96
18	<0.1	8.52
22	<0.1	6.68
15	<0.1	1.81
18	<0.1	7.21
15	<0.1	2.84
17	<0.1	2
23	<0.1	2.34
22	<0.1	8.68
24	<0.1	7.29

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K124		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,(	
		Sampled:	5-Aug-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
K4618		585362	7096259		S+	10	a org
K4619		585418	7096267		S++	10	b org
K4620		585466	7096283		S++	10	a org
K4621		585517	7096291		S++	15	a org
K4622		585562	7096300		S++	15	a org d
K4623		585609	7096302		S++	30	a org d
K4624		585665	7096315		S+	25	b?
K4625		585723	7096321		S++	10	a org
K4626		585760	7096332		S++	20	b a org
K4627		585807	7096329		S++	10	b a org
K4628		585858	7096347		S++	10	b < a d
K4629		585904	7096351		S+	15	b a org
K4630		585956	7096360		S+	15	b org
K4631		586006	7096368		S	15	b org
K4632		586053	7096379		S+	25	a org
K4633		586101	7096388		S+	25	a org
K4634		586153	7096397		S	20	a org
K4635		586202	7096406		S	20	a org
K4636		586255	7096408		S	20	b < a org
K4637		586302	7096423		S	20	a org m
K4638		586357	7096422		S	25	moist a org
K4639		586403	7096436		S	15	b a org
K4640		586451	7096440		S	40	a < org
K4641		586504	7096452		S	25	a
K4642		586547	7096467		S+	25	a b org
K4643		586596	7096475		S++	25	b w < org
K4644		586650	7096494		S++	15	c org
K4645		586695	7096484		S++	35	b a org
K4646		586741	7096501		S++	20	ab
K4645		586695	7096484		S++	35	b a org
K4620							
K4647			Dup for K4620				
K4630							
K4648			Dup for K4630				
K4640							
K4649			Dup for K4640				
K4621							
K4633							

K4645

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
000 115-0/14			
By:	PL, SJ		
bl	cl si	ox qte with q eyes weakly fol, qfp?	
lb	cl si gr	qv carb s	
b	cl si	qv ox, carb s	dup 1
yb	cl si	carb s	
b	cl si	no rocks	
b	cl si	ox carbs	
gb	cl si gv	carbs ox lim	
b	cl si	qte ser b q eyes lim p	
lb b	cl si gr	fol qte, b q eyes lim m?	
yb b	cl si gr	qte ser p lim	
yb <b	si cl gr	q ser s	
b lb	si cl gr	qte m/c? foliated	
yb	si cl gr	no rocks	Dup 2
yb	cl si gr	ox s b q eyes c?	
bl	cl	q ser s lim ox p	
bl	cl si	qte fol q eyes c? f k? fine grain p folintrusive?	
bl	cl	lim q s, qte ser b q eyes bleached	
bl	cl si	qte s q eyes fol, lim	
yb bl	cl	qv	
b	cl	qv lim	
bl	cl	no rocks	
bl yb	cl	no rocks	
b	cl	no rocks	Dup 3
b	cl	no rocks	
yb b	cl gr	meda q ser ox p	
lb	cl	qte ser lim p ox	
lb	gr si gv	qte fol ser lim ox p	
lb b	cl si gv	qte ser lim solicified q stringers	
lb b	si cl gv	qte ser lim	
lb b	cl si gv	qte ser lim solicified q stringers	

Scheme Code	Ag MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5	Ca MMI-M5	Cd MMI-M5	Ce MMI-M5
Analysis Unit	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb
Detection Limit	1	10	0.1	10	1	10	10	5
	2	<10	<0.1	4569	<1	91	<10	<5
	12	<10	0.1	9482	<1	217	36	592
	15	<10	<0.1	6936	<1	143	54	68
	8	257	0.7	19245	1	137	254	1055
	5	39	<0.1	12450	<1	124	228	566
	21	<10	0.2	11767	<1	255	167	174
	30	<10	0.2	6049	<1	380	123	97
	6	<10	<0.1	4431	<1	283	241	16
	15	<10	0.2	6512	<1	256	144	1511
	8	<10	<0.1	2405	<1	218	162	21
	14	<10	<0.1	5948	<1	426	37	164
	5	<10	<0.1	5133	<1	282	86	12
	23	<10	0.3	8315	<1	323	<10	97
	6	<10	0.3	8751	<1	413	38	195
	3	<10	0.1	4585	<1	417	31	47
	<1	<10	0.2	2398	<1	342	171	34
	<1	<10	<0.1	1756	<1	338	17	28
	3	<10	0.2	3675	<1	457	24	73
	5	<10	0.2	4376	<1	479	18	63
	<1	<10	0.1	2555	<1	348	28	11
	4	<10	0.1	2207	<1	282	39	20
	2	<10	0.1	2434	<1	314	32	25
	4	<10	0.2	2960	<1	252	27	20
	5	<10	0.1	3403	<1	362	26	28
	5	<10	0.2	2936	<1	392	37	29
	5	<10	0.3	5854	<1	404	55	35
	7	33	0.1	7882	7	159	<10	3470
	9	<10	0.1	5804	<1	418	34	59
	3	<10	<0.1	4157	<1	401	60	114
	9	<10	0.1	5804	<1	418	34	59
	15	<10	<0.1	6936	<1	143	54	68
	19	<10	0.1	9629	<1	246	79	59
	23	<10	0.3	8315	<1	323	<10	97
	21	<10	0.3	7484	<1	303	22	81
	4	<10	0.2	2960	<1	252	27	20
	3	<10	0.2	2230	<1	201	19	7
	8	257	0.7	19245	1	137	254	1055
DUP-K4621	8	287	0.5	28793	1	167	305	839
	<1	<10	0.2	2398	<1	342	171	34
DUP-K4633	<1	<10	0.1	2477	<1	333	147	41

	9	<10	0.1	5804	<1	418	34	59
DUP-K4645	9	<10	0.1	6030	<1	413	44	87

Co MMI-M5	Cu MMI-M5	Dy MMI-M5	Er MMI-M5	Eu MMI-M5	Gd MMI-M5	La MMI-M5	Mg MMI-M5	Mo MMI-M5
ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
5	10	1	0.5	0.5	1	1	1	5
85	<10	1	5.5	<0.5	<1	<1	8	<5
60	272	148	88.3	12.5	113	342	11	<5
29	180	213	130	9.1	88	24	8	<5
1919	510	346	222	42.2	269	381	153	6
3892	272	158	105	17.9	112	232	73	10
213	589	115	82.3	7.5	72	83	23	<5
32	361	56	44.6	4.5	36	44	10	<5
67	314	110	112	2.8	27	6	7	<5
99	336	318	132	50	360	524	28	<5
141	253	36	34.6	1.1	13	6	9	<5
49	125	55	28.7	6.5	47	81	24	<5
88	327	82	58.9	1.9	22	5	14	<5
60	217	62	35.7	3.8	37	55	16	<5
137	335	97	70.6	7.7	66	84	23	<5
36	114	32	31.8	2	19	11	18	<5
298	104	24	22.7	1.4	12	11	44	<5
81	83	19	20.4	1.1	10	7	21	<5
68	117	37	33.4	2.4	21	17	42	<5
168	408	16	10.7	2	15	24	41	<5
167	155	12	14.4	<0.5	6	3	20	<5
114	169	22	16	1.2	12	9	26	<5
122	154	17	12.4	1.4	12	11	41	<5
333	447	61	52.5	1.8	19	7	18	<5
246	171	25	20	1.6	13	11	24	<5
144	301	10	6.7	1	8	12	48	<5
255	538	28	34.9	1.3	13	11	28	<5
81	106	150	50.1	30	219	1162	50	<5
39	126	30	27.9	1.3	14	17	24	<5
115	225	63	59.6	2.4	28	28	21	<5
39	126	30	27.9	1.3	14	17	24	<5
29	180	213	130	9.1	88	24	8	<5
57	254	212	135	7.8	79	21	13	<5
60	217	62	35.7	3.8	37	55	16	<5
118	234	82	45.2	4.6	46	41	17	<5
333	447	61	52.5	1.8	19	7	18	<5
340	333	17	28.1	0.5	4	2	18	<5
1919	510	346	222	42.2	269	381	153	6
2043	795	331	259	32.8	212	325	216	7
298	104	24	22.7	1.4	12	11	44	<5
268	115	30	24.4	1.9	17	13	48	<5

39	126	30	27.9	1.3	14	17	24	<5
53	145	44	36.8	2.4	23	23	33	<5

Nb MMI-M5 ppb	Nd MMI-M5 ppb	Ni MMI-M5 ppb	Pb MMI-M5 ppb	Pd MMI-M5 ppb	Pr MMI-M5 ppb	Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb
0.5	1	5	10	1	1	5	1	1
<0.5	<1	48	10	<1	<1	11	<1	<1
<0.5	310	238	250	<1	75	<5	<1	60
<0.5	87	140	392	<1	14	<5	<1	33
3.6	739	640	369	2	139	<5	2	213
2.3	348	201	220	1	71	19	1	92
<0.5	118	618	262	<1	24	<5	<1	32
<0.5	65	387	129	<1	12	5	<1	18
<0.5	22	206	48	<1	3	<5	<1	9
<0.5	1016	497	609	<1	193	7	<1	271
<0.5	12	220	191	<1	2	<5	<1	5
0.6	140	147	217	<1	26	15	<1	34
<0.5	17	202	513	<1	3	8	<1	7
<0.5	66	173	257	<1	13	8	<1	18
<0.5	141	291	216	<1	27	<5	<1	38
<0.5	26	214	80	<1	4	17	<1	9
<0.5	20	144	266	<1	4	28	<1	6
<0.5	15	97	44	<1	2	6	<1	5
<0.5	37	414	73	<1	6	16	<1	12
<0.5	39	235	84	<1	7	8	<1	10
<0.5	7	145	126	<1	1	14	<1	3
<0.5	17	110	313	<1	3	9	<1	6
<0.5	23	102	178	<1	4	11	<1	7
<0.5	20	295	258	<1	3	10	<1	7
<0.5	24	304	84	<1	4	9	<1	8
<0.5	21	172	142	<1	4	28	<1	6
<0.5	23	357	301	<1	4	10	<1	7
3.4	1152	76	4619	1	251	81	1	216
<0.5	24	133	668	<1	5	21	<1	7
<0.5	42	154	1211	<1	8	39	<1	12
<0.5	24	133	668	<1	5	21	<1	7
<0.5	87	140	392	<1	14	<5	<1	33
<0.5	79	211	344	<1	12	<5	<1	30
<0.5	66	173	257	<1	13	8	<1	18
<0.5	73	216	359	<1	13	12	<1	21
<0.5	20	295	258	<1	3	10	<1	7
<0.5	7	237	108	<1	1	14	<1	2
3.6	739	640	369	2	139	<5	2	213
4.8	618	1010	329	1	113	<5	3	172
<0.5	20	144	266	<1	4	28	<1	6
<0.5	28	146	337	<1	5	22	<1	10

<0.5	24	133	668	<1	5	21	<1	7
<0.5	43	141	948	<1	8	19	<1	13

Sn MMI-M5 ppb	Sr MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb	Tl MMI-M5 ppb	U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb
1	10	1	0.5	3	0.5	1	1	5
<1	1053	<1	2.4	<3	<0.5	2	<1	<5
<1	1498	<1	5.9	<3	<0.5	18	<1	575
<1	1412	<1	8.5	<3	<0.5	10	1	887
<1	5080	2	555	1200	<0.5	252	3	1238
<1	2266	2	222	860	<0.5	166	2	581
<1	3321	2	14	<3	<0.5	47	1	445
<1	2145	<1	3.8	<3	<0.5	9	<1	212
<1	1722	<1	3.9	<3	<0.5	33	1	453
<1	1351	<1	153	33	<0.5	215	1	1378
<1	1225	<1	8.3	<3	<0.5	29	<1	150
<1	1889	9	16.7	<3	<0.5	23	1	256
<1	1859	6	4.7	<3	<0.5	7	<1	441
<1	1671	4	8.1	<3	<0.5	11	<1	330
1	2662	2	9.5	<3	<0.5	33	<1	520
<1	3437	3	1.2	<3	<0.5	38	<1	175
2	4165	3	4	<3	<0.5	97	<1	109
<1	2250	2	1.2	<3	<0.5	98	<1	107
1	4607	4	1.6	<3	<0.5	49	<1	185
<1	3111	2	3.8	<3	<0.5	30	<1	76
<1	2725	1	0.9	<3	<0.5	17	<1	67
<1	1708	<1	4.6	<3	<0.5	28	<1	118
<1	1994	1	5.7	5	<0.5	19	<1	98
<1	2215	1	3.8	<3	<0.5	24	<1	364
<1	2354	1	4.3	<3	<0.5	29	<1	134
<1	2611	1	5.1	<3	<0.5	21	<1	46
<1	2728	3	5.6	<3	<0.5	32	<1	158
<1	686	2	399	664	<0.5	61	1	651
<1	2155	2	9.1	<3	<0.5	34	<1	129
<1	2057	1	6.4	<3	<0.5	74	<1	284
<1	2155	2	9.1	<3	<0.5	34	<1	129
<1	1412	<1	8.5	<3	<0.5	10	1	887
<1	2114	<1	6	<3	<0.5	12	1	1165
<1	1671	4	8.1	<3	<0.5	11	<1	330
<1	1759	1	11.8	<3	<0.5	13	<1	436
<1	2215	1	3.8	<3	<0.5	24	<1	364
<1	1934	1	4.6	<3	<0.5	26	<1	101
<1	5080	2	555	1200	<0.5	252	3	1238
1	5082	3	500	1270	<0.5	244	3	1547
2	4165	3	4	<3	<0.5	97	<1	109
<1	4044	2	5.2	<3	<0.5	116	<1	130

<1	2155	2	9.1	<3	<0.5	34	<1	129
<1	2247	1	11.2	<3	<0.5	41	<1	160

Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
1	20	5
12	49	<5
50	251	<5
71	590	<5
169	1133	497
75	2234	116
53	1190	<5
29	347	<5
75	108	<5
67	1001	33
24	571	<5
16	227	<5
30	1319	<5
18	104	<5
41	603	<5
21	33	<5
17	4951	<5
14	88	<5
21	102	<5
6	153	<5
10	75	<5
10	1135	<5
7	463	<5
32	376	<5
12	222	<5
4	396	<5
26	617	<5
23	114	121
19	183	<5
42	474	<5
19	183	<5
71	590	<5
71	895	<5
18	104	<5
22	262	<5
32	376	<5
26	194	<5
169	1133	497
201	1226	521
17	4951	<5
18	4550	<5

19	183	<5	
25	204		8

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K125		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,	
		Sampled:	19-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4496	584343	7093538		S++	20	d b
	K4497	584384	7093572		S++	25	b org
	K4498	584414	7093604		S++	20	b org
	K4499	584448	7093647		S++	20	b org
	K4500	584480	7093686		S++	20	b org
	K4501	584515	7093718		S++	20	b
	K4502	584543	7093760		S++	20	b w
	K4503	584580	7093795		S++	20	b org
	K4504	584612	7093836		S++	20	b <a
	K4505	584640	7093871		S++	20	a b org
	K4506	584674	7093914		S++	20	ab org
	K4507	584714	7093949		S++	20	b org
	K4508	584744	7093980		S++	20	b org
	K4509	584776	7094018		S++	20	b org
	K4510	584805	7094054		S++	20	b <a org
	K4511	584837	7094109		S++	15	b
	K4512	584868	7094137		S++	15	b org
	K4500						
	K4513	dup for K4500					
	K4510						
	K4514	dup for K4510					
	K4496						
DUP-K4496							
	K4508						
DUP-K4508							

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
000 115-0/14			
By: PL, SJ			
lb	cl si gr	qte m lim specs	
lb	cl si	qte c blebs b? gb blebs fg, pyrolucite?	
lb	cl si gr	qte m ox p	
lb	si cl	qms with < hem	
lb	si cl gr	qte m	dup K4513
lb	si cl gr	qms	
lb	si cl gr	qms	
lb	cl si gr	qms	
yb <b	si cl gr	qte m ox p	
b lg	si cl gr	qte m c blebs	
b lb	si cl gr	qte ser lim	
lb	si cl gr	qte m ox	
lb	si cl	qte ox p ser blue q eyes	
lb	si cl gr	qte ser lim parellel to fol	
lb <b	si cl	qte ser hem	dup K4514
ob	si cl gv	qte ser ox p hem	
ob	si cl gr	qte	

	Au	Co	Ni	Pd	Ag
Scheme Code	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
Analysis Unit	ppb	ppb	ppb	ppb	ppb
Detection Limit	0.1	1	3	0.1	0.1
	<0.1	4	17	<0.1	4.06
	<0.1	35	12	<0.1	5.03
	<0.1	9	19	<0.1	8.36
	<0.1	12	7	0.14	1.09
	<0.1	5	14	<0.1	3.1
	<0.1	12	13	<0.1	2.97
	<0.1	16	16	<0.1	1.86
	<0.1	7	11	<0.1	4.56
	<0.1	7	10	<0.1	2.59
	<0.1	22	15	0.1	0.17
	<0.1	16	10	<0.1	0.28
	<0.1	20	15	<0.1	2.17
	<0.1	31	17	<0.1	5.49
	<0.1	7	11	<0.1	3.76
	<0.1	3	12	<0.1	9.26
	<0.1	3	4	<0.1	10.1
	<0.1	5	11	<0.1	9.94
	<0.1	5	14	<0.1	3.1
	<0.1	9	19	<0.1	3.2
	<0.1	3	12	<0.1	9.26
	<0.1	3	10	<0.1	9.8
	<0.1	4	17	<0.1	4.06
	<0.1	5	14	<0.1	3.95
	<0.1	31	17	<0.1	5.49
	<0.1	28	14	<0.1	4.87

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR
TRAVERSE K126		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 115-0/1		
		Sampled:	4-Aug-04	By:		Sampled:		By:
		Sample Interval (m):	50			Sample Interval (m):	50	
K4586		586172	7094838		S++	40	a org	b
K4587		586137	7094807		S++	30	b a org	yb b
K4588		586101	7094772		S++	40	a b	b
K4589		586067	7094737		S++	15	b org	yb b
K4590		586035	7094703		S++	30	b d < org	yb b
K4591		585982	7094680		S++	20	c?	yb b
K4592		585961	7094635		S++	20	a	b
K4593		585918	7094615		S++	40	a org	b
K4594		585859	7094562		S++	50	a org	b
K4595		585836	7094547		S++	20	b org	b
K4596		585799	7094491		S++	30	a org	b
K4597		585764	7094473		S++	35	a org	b
K4598		585724	7094453		S++	30	a org	b
K4599		585691	7094409		S++	30	a org	b
K4600		585654	7094378		S++	20	a org	b
K4601		585612	7094339		S++	20	a org	b
K4602		585576	7094318		S++	10	b a	lb b
K4603		585542	7094278		S++	25	b	lb b
K4604		585501	7094246		S++	10	a org	b
K4605		585470	7094205		S++	30	a org	b
K4606		585434	7094168		S++	30	b	yb b
K4607		585398	7094140		S++	10	b < a < org	yb b
K4608		585366	7094103		S++	10	b a	yb / b
K4609		585333	7094067		S++	20	b < a org	yb b
K4610		585295	7094033		S++	30	a org	b
K4611		585251	7094001		S++	10	a org	b
K4612		585212	7093966		S++	25	b org	ob
K4613		585178	7093932		S+	15	a org	b
K4614		585141	7093896		R	10	b	ob
K4615		dup for K4590						
K4616		Dup for K4600						
K4617		dup for K4610						

SOIL COMPOSITION	ROCKS	COMMENTS
L4		
PL, SJ		
cl	qms crenulated	
cl	qms	
cl gr	qte m ox	
cl si gr	qms	
gv gr si	qms	Dup 1
cl	q,s	
cl	qte m lim par to fol	
cl	qte bleached b q eyes ox p (falsid fol ibtrusive)?	
cl	qte m ox	
si cl	banded qte ox, banded qte ox	
cl	qv qms ox	
cl	qms lim crenulated qv ox	
cl	no rocks	
cl	qms ox	
cl	qte m	Dup 2
cl si gr	qms qv	
cl si gr	qms	
si cl gr	qms lim	
cl	qms 5% bl q eyes	poor soil sample
cl	no rocks	
s si gv	qte ser	
si cl gr	qte lim qv ox	
cl si gr	qte m ox	
cl si gr	qte m ox p lim	
cl	qte <mb q eyes	Dup 3
cl	qte ser p ox	
cl si gr	qte bleached b q eyes ox p (falsid fol ibtrusive)?	
cl	qms ox	
si cl gr	qte ser kayspar b q eyes (fol intrusive?)	

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
	0.11	3	102	0.13	2.88
	0.44	50	253	<0.1	3.41
	<0.1	11	7	0.14	1.41
	<0.1	13	13	0.1	1.73
	<0.1	13	18	<0.1	3.08
	<0.1	29	33	0.12	1.7
	<0.1	39	52	0.1	5.41
	<0.1	9	8	<0.1	0.96
	<0.1	8	12	<0.1	1.95
	<0.1	14	7	<0.1	2.32
	<0.1	5	<3	<0.1	0.61
	<0.1	10	9	0.13	1.29
	<0.1	17	14	<0.1	2.64
	<0.1	10	6	0.11	0.72
	<0.1	22	31	0.1	2.19
	<0.1	28	45	<0.1	3.67
	<0.1	6	49	<0.1	5.39
	<0.1	8	45	<0.1	7.51
	<0.1	14	26	<0.1	0.86
	<0.1	11	13	<0.1	2.51
	<0.1	22	43	0.11	3.3
	<0.1	15	9	<0.1	6.14
	<0.1	11	12	<0.1	3.15
	<0.1	3	9	<0.1	2.75
	<0.1	2	38	<0.1	19.1
	<0.1	8	5	<0.1	0.31
	<0.1	5	5	<0.1	0.24
	<0.1	4	7	<0.1	0.54
	<0.1	8	4	<0.1	0.83

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K126 (-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 4-Aug-04			By: PL, SJ		
		Sample Interval (m): 50					
K4586		586172	7094838		S++	50	b
K4587		586137	7094807		S++	40	w b org
K4588		586101	7094772		S++	50	b
K4589		586067	7094737		S++	15	b org
K4590		586035	7094703		S++	30	b d < org
K4591		585982	7094680		S++	20	c?
K4592		585961	7094635		S++	no sample	no sample
K4593		585918	7094615		S++	50	b/c?
K4594		585859	7094562		S++	no sample	no sample
K4595		585836	7094547		S++	20	b org
K4596		585799	7094491		S++	50	b org
K4597		585764	7094473		S++	60	b?
K4598		585724	7094453		S++	40	b < org
K4599		585691	7094409		S++	40	b
K4600		585654	7094378		S++	30	b
K4601		585612	7094339		S++	no sample	no sample
K4602		585576	7094318		S++	15	b org
K4603		585542	7094278		S++	25	b
K4604		585501	7094246		S++	no sample	c?
K4605		585470	7094205		S++	no sample	no sample
K4606		585434	7094168		S++	30	b
K4607		585398	7094140		S++	20	b
K4608		585366	7094103		S++	20	b
K4609		585333	7094067		S++	25	b
K4610		585295	7094033		S++	60	b a
K4611		585251	7094001		S++	20	b org
K4612		585212	7093966		S++	40	b
K4613		585178	7093932		S+	25	b
K4614		585141	7093896		R	25	b

K4590
K4615 dup for K4590

K4600
K4616 Dup for K4600

K4610
K4617 dup for K4610

COLOUR	SOIL COMPOSITION	ROCKS
yb	cl si gr	qms crenulated
yb	cl si gr	qms
yb	si cl gr	qte m ox
yb	cl gr	qms
yb	cl si gr	qms
yb	gv gr si	q,s
no sample	no sample	qte m lim par to fol
yb	gv gr si	qte bleached b q eyes ox p (falsid fol ibtrusive)?
no sample	no sample	qte m ox
b	si cl gr	banded qte ox, banded qte ox
yb	cl si gr	qv qms ox
lb	gv cl gr	qms lim crenulated qv ox
lb	cl si gr	no rocks
lb	si cl gr	qms ox
lb	cl si gv	qte m
no sample	no sample	qms qv
lb	si cl gr	qms
lb	si cl gv	qms lim
lb	gv s cl	qms 5% bl q eyes
no sample	no sample	no rocks
yb	s si gv	qte ser
yb	si cl gr	qte lim qv ox
yb	cl si gr	qte m ox
yb	cl gr si	qte m ox p lim
b yb	cl si gr	qte <mb q eyes
lb	cl si	qte ser p ox
ob	cl si	qte bleached b q eyes ox p (felsic fol intrusive)?
ob	si cl gr	qms ox
yb	si gv cl	qte ser kayspar b q eyes (fol intrusive?)

COMMENTS	Scheme Code	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analysis Unit	Au ppm	Ag ppm	Al %	As ppm	B ppm
		0.008	<0.2	1.14	83	<10
		0.009	<0.2	0.75	61	<10
		0.009	<0.2	0.48	42	<10
		<0.001	<0.2	0.61	6	<10
		0.001	<0.2	1.13	4	<10
		<0.001	<0.2	0.83	5	<10
		0.002	<0.2	1.05	2	<10
		0.001	<0.2	0.77	6	<10
		0.001	0.2	0.77	5	<10
		0.001	<0.2	0.9	6	<10
		<0.001	0.2	1.06	6	<10
		0.006	<0.2	0.9	10	<10
Dup 2		0.006	<0.2	0.84	5	<10
		<0.001	<0.2	0.89	6	<10
		0.001	0.3	1.1	6	<10
poor soil sample		<0.001	<0.2	0.91	2	<10
		<0.001	<0.2	0.73	6	<10
		<0.001	<0.2	1.22	6	<10
		<0.001	<0.2	0.95	7	<10
		0.001	<0.2	1.1	8	<10
Dup 3		<0.001	0.3	0.79	3	<10
		<0.001	<0.2	0.88	3	<10
		0.014	<0.2	1.42	6	<10
		0.003	<0.2	1.4	10	<10
		0.003	<0.2	1.22	3	<10
		0.001	<0.2	1.13	4	<10
		0.001	<0.2	1.01	3	<10
		0.006	<0.2	0.84	5	<10
		0.001	<0.2	0.83	<2	<10
		<0.001	0.3	0.79	3	<10
		<0.001	0.2	0.79	<2	<10

ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
230	<0.5	<2	0.46	<0.5	6	19	16	2.14
170	<0.5	2	0.14	<0.5	2	5	12	1.32
70	<0.5	2	0.04	<0.5	2	4	6	0.94
100	<0.5	2	0.09	<0.5	1	5	6	0.97
160	<0.5	<2	0.2	<0.5	4	12	12	1.53
180	<0.5	2	0.14	<0.5	4	5	9	1.54
110	<0.5	<2	0.1	<0.5	2	6	7	1.28
110	<0.5	<2	0.12	<0.5	2	7	6	1.1
90	<0.5	2	0.09	<0.5	2	9	5	1.06
160	<0.5	<2	0.14	<0.5	3	11	6	1.14
240	<0.5	<2	0.18	<0.5	3	11	6	1.3
170	<0.5	3	0.14	<0.5	2	10	6	1.48
110	<0.5	<2	0.14	<0.5	3	9	3	1.1
190	<0.5	2	0.22	<0.5	2	9	4	1.14
360	<0.5	<2	0.28	<0.5	3	11	7	1.21
160	<0.5	2	0.12	<0.5	2	10	7	1.16
120	<0.5	2	0.13	<0.5	3	10	6	1.14
150	<0.5	2	0.12	<0.5	4	16	10	1.68
150	<0.5	2	0.14	<0.5	4	15	10	1.5
150	<0.5	<2	0.13	<0.5	3	15	11	1.55
180	<0.5	2	0.12	<0.5	2	8	11	0.87
150	<0.5	2	0.1	<0.5	1	13	7	1.04
140	<0.5	2	0.12	<0.5	6	21	11	2.1
150	<0.5	2	0.09	<0.5	4	19	8	2.06
120	<0.5	<2	0.1	<0.5	5	17	11	1.76
160	<0.5	<2	0.2	<0.5	4	12	12	1.53
170	<0.5	<2	0.2	<0.5	4	10	8	1.38
110	<0.5	<2	0.14	<0.5	3	9	3	1.1
120	<0.5	<2	0.13	<0.5	3	7	4	1.11
180	<0.5	2	0.12	<0.5	2	8	11	0.87
170	<0.5	<2	0.11	<0.5	2	9	9	0.9

ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm
<10	<1	0.1	30	0.61	258	<1	0.03	17
<10	<1	0.1	70	0.17	40	<1	0.01	4
<10	<1	0.07	30	0.1	34	<1	0.01	3
<10	<1	0.08	40	0.23	59	<1	0.01	5
<10	<1	0.09	40	0.59	99	<1	0.02	7
<10	<1	0.09	50	0.41	166	<1	0.02	6
<10	<1	0.07	50	0.59	99	<1	0.01	3
<10	1	0.06	40	0.25	49	<1	0.02	5
<10	<1	0.05	20	0.18	67	<1	0.02	5
<10	<1	0.05	20	0.25	91	<1	0.02	6
<10	<1	0.05	20	0.32	76	<1	0.02	8
<10	1	0.06	30	0.32	69	<1	0.02	7
<10	<1	0.06	20	0.35	90	<1	0.02	6
<10	<1	0.04	10	0.44	74	<1	0.02	6
<10	2	0.04	20	0.41	77	<1	0.02	8
<10	<1	0.05	10	0.37	92	<1	0.01	7
<10	1	0.05	20	0.26	84	<1	0.02	5
<10	<1	0.06	20	0.3	108	<1	0.02	10
<10	<1	0.05	20	0.31	120	<1	0.02	11
<10	<1	0.06	20	0.31	98	<1	0.02	10
<10	1	0.07	20	0.17	85	<1	0.02	4
<10	<1	0.06	10	0.17	53	<1	0.02	4
<10	<1	0.06	10	0.36	177	<1	0.02	13
<10	<1	0.06	10	0.35	128	<1	0.02	12
<10	<1	0.06	30	0.35	112	1	0.01	11
<10	<1	0.09	40	0.59	99	<1	0.02	7
<10	<1	0.08	40	0.51	134	<1	0.01	5
<10	<1	0.06	20	0.35	90	<1	0.02	6
<10	<1	0.05	30	0.4	127	<1	0.01	4
<10	1	0.07	20	0.17	85	<1	0.02	4
<10	<1	0.06	20	0.18	73	1	0.01	4

ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm
670	11	0.02	<2		3	29	0.06 <10	<10
360	23	0.02	<2		3	17	0.01 <10	<10
170	15	0.01	<2		2	7	0.01 <10	<10
310	12	0.01	<2		2	9	0.01 <10	<10
610	13	0.02	<2		3	17	0.03 <10	<10
540	17	0.01	<2		3	17	<0.01 <10	<10
270	19	0.02	<2		2	11	0.01 <10	<10
240	13	0.02	<2		2	14	0.03 <10	<10
200	11	0.02	<2		1	11	0.02 <10	<10
240	14	0.02	<2		2	15	0.03 <10	<10
260	13	0.02	<2		2	20	0.02 <10	<10
330	17	0.02	<2		2	15	0.03 <10	<10
220	8	0.02	<2		2	15	0.03 <10	<10
340	4	0.02	<2		2	21	0.02 <10	<10
410	12	0.03	<2		2	30	0.02 <10	<10
300	10	0.02	<2		1	15	0.02 <10	<10
350	8	0.01	<2		1	12	0.03 <10	<10
270	14	0.02	<2		2	12	0.05 <10	<10
280	8	0.01	<2		2	12	0.05 <10	<10
280	15	0.02	<2		2	14	0.04 <10	<10
350	12	0.02	<2	<1		15	0.02 <10	<10
330	12	0.02	<2	<1		13	0.02 <10	<10
280	13	0.02	<2		2	13	0.05 <10	<10
140	15	0.02	<2		2	12	0.05 <10	<10
180	21	0.01	<2		2	10	0.05 <10	<10
610	13	0.02	<2		3	17	0.03 <10	<10
600	14	0.01	<2		3	17	0.02 <10	<10
220	8	0.02	<2		2	15	0.03 <10	<10
220	11	0.01	<2		2	14	0.02 <10	<10
350	12	0.02	<2	<1		15	0.02 <10	<10
320	14	0.01	<2		1	13	0.02 <10	<10

ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
34	<10	62
8	<10	39
9	<10	24
9	<10	32
16	<10	55
11	<10	45
12	<10	52
18	<10	29
17	<10	22
20	<10	27
22	<10	31
24	<10	31
23	<10	30
18	<10	33
17	<10	33
19	<10	33
19	<10	26
32	<10	33
28	<10	33
29	<10	30
17	<10	17
23	<10	18
40	<10	36
40	<10	33
30	<10	33
16	<10	55
13	<10	47
23	<10	30
18	<10	35
17	<10	17
17	<10	18

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K127		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,0	
		Sampled: 14-Jun-04		By:		Sampled: 14-Jun-04	
		Sample Interval (m): 50				Sample Interval (m): 50	
K4187		587656	7092161		S	10	a b org
K4188		587709	7092181		S	10	org b
K4189		587749	7092198		S+	15	org b
K4190		587796	7092211		S++	5	a org <b
K4191		587846	7092227		S++	10	b a org
K4192		587895	7092239		S++	10	b org
K4193		587942	7092259		S++	15	org a b
K4194		587985	7092277		S++	5	org b
K4195		588036	7092288		S++	10	b org <a
K4196		588084	7092307		S++	10	org a b
K4197		588131	7092320		S++	10	org b <a
K4198		588180	7092339		S++	5	b org
K4199		588227	7092352		S++	10	org a b
K4200		588273	7092370		S++	10	b org
K4201		588325	7092382		S++	10	org a b
K4202		588366	7092404		S++	10	a org b
K4203		588416	7092418		S++	5	org a <b
K4204		588464	7092434		S++	5	a org
K4205		588511	7092450		S++	5	a org <b
K4206		588557	7092465		S++	5	org <a
K4207		588607	7092482		S++	5	org a b
K4208		588654	7092497		S++	10	org a <b
K4209		588701	7092512		S++	5	org a <b
K4210		588746	7092528		S++	10	org b <a
K4211		588791	7092547		S++	10	org b
K4215		587609	7092145		R	5	b org <a
K4216		587569	7092108		S	5	org a <b
K4217		587530	7092078		S+	5	org a
K4218		587491	7092049		S++	15	a b org
K4219		587454	7092017		S++	5	org a b
K4220		587412	7091988		S++	20	a b org
K4221		587374	7091958		S++	5	b org
K4222		587337	7091923		S++	5	org b
K4223		587295	7091892		S++	10	org b <a
K4224		587258	7091860		S++	5	org a b
K4225		587218	7091828		S++	10	org a b
K4226		587182	7091798		S++	5	org a b
K4227		587140	7091761		S++	5	b org
K4228		587097	7091736		S++	10	org b
K4229		587060	7091700		S++	5	b org <a
K4230		587026	7091673		S++	5	org a b
K4231		586989	7091637		S++	5	a b
K4232		586946	7091616		S++	5	a org

K4190

K4212 Duplicate for K4190

K4200
K4213 Duplicae for K4200

K4210
K4214 Duplicate for K4210

K4220
K4233 Duplicate for K4220

K4230
K4234 Duplicatefor K4230

K4193
DUP-K4193

K4205
DUP-K4205

K4217
DUP-K4217

K4229
DUP-K4229

COLOUR	SOIL COMPOSITION	ROCKS
00 115-0/14		
By:	AL, SJ	
b	cl si	qms
b	si cl	qms ser?
b	si cl	qv ser s X-cutting lim stringers
b	si cl	qms qv with lim stingers
b lb	si cl gr	qms
b	si cl gr gv	qms
b	si	mqs
b	si s gr gv	qms tr p
b	si cl	qms
b	si cl	lim qms
b	si cl	ox qms
b	cl si	wms
b	si	qms
b	s si cl	qms ser?
b	cl si	qv ser s X-cutting lim stringers
bl g	cl si	qms, tr p, X-cutting Q stringer
b	si s gr gv	qv
b bl	si cl	qms
bl b	si	qms
b	si s gr gv	qv - not Bull, with vuggy lim fractures, mqs
b	si s gr gv	vuggy q lens in m s, lim q
bl b	si s gr gv	qv, qms
b g	si s gr gv	qms
b	si cl	qms
gb	si	q s lim well developed, crenulation cleva
b	si cl	qms lim
b	si	ns, qv with vuggy lim x-cutting lim stringe
b	si	qms lim redish ox
b	si cl	qms
b	si cl	qms
b	si cl	qms
b ob	si cl gr	qms
b	si s cl	qms
b	si l gr	qms ox
b	si cl	qms
b	si cl	no rock
b	si cl	qv lim
b	s si	qms ox bull q
b	si cl	qms
b	si cl	qv
b bl	si s cl	qms ox
b	si cl	no rock
b bl	si cl	q

COMMENTS		Ag	As	Au	Ba
	Scheme Co	MMI-M5	MMI-M5	MMI-M5	MMI-M5
	Analysis Ur	ppb	ppb	ppb	ppb
	Detection L	1	10	0.1	10
		3	67	<0.1	2596
		<1	70	0.2	4736
		<1	316	0.1	2858
	Dup K4212	9	215	0.2	5950
		2	271	0.2	3904
		9	243	0.5	2647
		1	340	<0.1	2027
		5	163	0.2	3531
		4	99	0.1	3844
		2	101	0.1	3541
		1	84	<0.1	4054
		5	78	0.2	6251
		15	177	0.3	5659
	Dup K4213	13	97	0.3	2857
		2	54	<0.1	2972
		3	73	<0.1	4920
		5	167	0.2	5332
		2	41	<0.1	4974
to this point (including) qv has been Bull Quartz		21	84	0.1	8291
s		9	40	<0.1	7966
		5	163	<0.1	6508
		3	66	0.1	6056
		8	66	0.1	9067
		20	160	0.3	5177
ıge		14	134	<0.1	5127
		4	205	<0.1	2229
rs		5	363	0.1	9720
		5	197	<0.1	10610
		2	107	0.1	5310
		1	54	<0.1	4353
	Dup K4233	5	34	0.1	6752
		4	50	0.1	4344
		1	43	<0.1	5396
		2	28	<0.1	7234
		1	58	<0.1	6337
		2	64	<0.1	5382
		3	13	<0.1	7378
		29	139	0.1	3695
		8	23	<0.1	5162
		6	90	0.3	12340
	Dup K4234	28	65	0.1	9975
		31	198	0.1	7757
		4	47	0.2	5685
		9	215	0.2	5950

	3	50	0.1	4715
	13	97	0.3	2857
	7	122	0.3	2840
	20	160	0.3	5177
	16	125	0.2	5686
	5	34	0.1	6752
	4	17	<0.1	7763
	28	65	0.1	9975
	3	56	0.2	9263
	1	340	<0.1	2027
<1		241	<0.1	2542
	21	84	0.1	8291
	11	85	0.1	6523
	5	197	<0.1	10610
	6	196	0.1	12130
	6	90	0.3	12340
	22	69	0.3	11080

Bi MMI-M5 ppb	Ca MMI-M5 ppm	Cd MMI-M5 ppb	Ce MMI-M5 ppb	Co MMI-M5 ppb	Cu MMI-M5 ppb	Dy MMI-M5 ppb	Er MMI-M5 ppb	Eu MMI-M5 ppb
1	10	10	5	5	10	1	0.5	0.5
<1	82	16	<5	134	19	2	2	<0.5
<1	49	<10	<5	41	18	<1	<0.5	<0.5
<1	22	<10	16	44	48	2	1.5	<0.5
<1	54	28	168	214	173	60	36.8	7.9
<1	69	16	29	152	53	11	8.5	1.3
<1	12	<10	65	56	112	7	5.1	1.2
<1	58	<10	6	59	27	1	0.9	<0.5
<1	78	21	41	159	64	21	14.5	2.2
<1	73	<10	11	73	45	4	6.6	<0.5
<1	58	<10	8	68	18	1	2.4	<0.5
<1	105	14	9	126	20	2	2	<0.5
<1	106	11	10	74	19	1	0.6	<0.5
<1	118	22	55	282	127	50	34.3	5
<1	78	31	21	114	64	23	16.9	1.5
<1	62	<10	8	75	1504	2	2.5	<0.5
<1	64	<10	62	83	12	2	1.8	<0.5
1	57	<10	63	106	46	8	5.3	1.2
<1	51	14	9	111	22	3	5.2	<0.5
2	127	60	57	321	78	32	31.1	2.1
1	185	38	26	189	107	15	18.1	1
2	160	67	104	184	129	27	20.6	3.9
2	77	17	56	123	33	9	6.7	0.9
2	95	21	175	211	65	36	26.7	3.2
2	134	32	153	143	105	33	25.3	5.4
3	73	31	214	222	142	63	38.3	7.3
<1	13	12	21	93	109	4	3.7	<0.5
3	103	30	16	216	41	3	2.2	<0.5
1	86	15	31	327	36	5	3.2	<0.5
<1	48	<10	9	205	23	1	1.9	<0.5
<1	61	<10	<5	98	29	1	2.3	<0.5
<1	72	<10	7	67	66	<1	1	<0.5
<1	59	<10	7	107	36	3	3.7	<0.5
<1	54	<10	7	260	20	3	2.4	<0.5
<1	69	<10	14	89	26	2	1.7	<0.5
1	56	<10	17	200	18	3	3.4	<0.5
<1	95	<10	9	74	57	1	1.8	<0.5
<1	154	22	<5	273	13	1	1.6	<0.5
<1	95	23	181	90	109	31	15.5	8.9
<1	86	21	11	366	45	8	7	<0.5
1	207	107	240	764	529	103	93.1	11.5
<1	339	107	811	140	232	180	83.2	36.1
1	420	249	534	335	225	74	29.7	16.9
<1	776	131	355	252	248	231	186	32
<1	54	28	168	214	173	60	36.8	7.9

<1		44	14	16	169	49	8	8	<0.5
<1		78	31	21	114	64	23	16.9	1.5
<1		102	13	11	58	28	2	2.6	<0.5
	2	134	32	153	143	105	33	25.3	5.4
	2	139	29	129	135	85	32	24.8	3.6
<1		72	<10	7	67	66	<1	1	<0.5
<1		98	<10	5	36	18	<1	0.9	<0.5
<1		339	107	811	140	232	180	83.2	36.1
<1		259	114	108	567	320	100	78.5	7.2
<1		58	<10	6	59	27	1	0.9	<0.5
<1		92	12	<5	62	16	<1	<0.5	<0.5
	2	127	60	57	321	78	32	31.1	2.1
	1	158	40	32	214	57	20	18.3	1.5
	1	86	15	31	327	36	5	3.2	<0.5
	1	93	23	39	411	30	5	4.1	<0.5
	1	207	107	240	764	529	103	93.1	11.5
<1		177	61	277	542	359	148	92.6	10.1

Gd MMI-M5 ppb	La MMI-M5 ppb	Mg MMI-M5 ppm	Mo MMI-M5 ppb	Nb MMI-M5 ppb	Nd MMI-M5 ppb	Ni MMI-M5 ppb	Pb MMI-M5 ppb	Pd MMI-M5 ppb
1	1	1	5	0.5	1	5	10	1
<1	1	24	<5	0.9	2	90	27	<1
<1	3	20	<5	0.7	2	33	<10	<1
2	9	8	<5	3.5	6	51	27	<1
47	81	10	8	3.2	103	270	1352	1
7	14	16	<5	1	18	123	99	<1
7	32	3	<5	1.2	28	71	123	<1
<1	3	16	<5	6.8	3	103	73	<1
15	17	18	<5	1	28	176	567	<1
2	6	14	<5	0.6	5	99	116	<1
1	4	15	<5	<0.5	4	60	<10	<1
1	5	28	<5	1.3	5	116	31	<1
1	7	25	<5	<0.5	5	61	14	<1
30	23	27	<5	1.4	44	333	1059	<1
10	9	21	<5	0.7	17	121	860	<1
1	4	20	14	<0.5	5	80	62	<1
3	67	18	<5	0.8	20	57	20	<1
8	41	16	8	1.8	26	158	99	<1
1	5	13	<5	2.3	4	102	76	<1
13	27	29	8	2	35	345	1306	<1
5	13	47	<5	2.1	16	353	367	<1
17	43	45	8	7.8	57	329	573	<1
8	32	19	<5	2.4	27	195	124	<1
24	93	22	8	3.3	82	350	521	1
27	84	38	8	7.8	108	265	1530	<1
51	103	13	10	9.1	130	336	3419	<1
3	14	7	<5	5.9	8	115	178	<1
2	8	32	<5	5.4	8	341	81	<1
4	16	24	<5	1.6	12	231	40	<1
1	5	21	<5	1	5	103	14	<1
<1	3	25	<5	0.9	2	129	34	<1
<1	4	27	<5	<0.5	3	98	<10	<1
1	4	27	<5	1	4	152	124	<1
1	4	18	<5	1.4	3	118	43	<1
2	8	22	<5	<0.5	6	89	10	<1
2	10	21	<5	0.9	7	143	33	<1
1	5	35	<5	<0.5	4	73	<10	<1
<1	2	35	<5	<0.5	2	195	17	<1
36	72	30	<5	1.5	132	155	1349	<1
3	6	28	<5	<0.5	6	158	282	<1
50	44	88	<5	1.4	102	453	1592	<1
201	250	71	<5	0.8	451	368	2816	<1
87	135	70	8	3.2	210	156	1733	<1
180	143	84	<5	<0.5	276	232	529	1
47	81	10	8	3.2	103	270	1352	1

3	8	10	<5		0.6	7	146	201	<1
10	9	21	<5		0.7	17	121	860	<1
2	6	32	<5		1.2	6	58	35	<1
27	84	38		8	7.8	108	265	1530	<1
21	75	36		6	6.8	77	290	1446	<1
<1	4	27	<5		<0.5	3	98	<10	<1
<1	3	36	<5		<0.5	3	89	<10	<1
201	250	71	<5		0.8	451	368	2816	<1
46	28	66		6	<0.5	56	364	1904	<1
<1	3	16	<5		6.8	3	103	73	<1
<1	2	22	<5		4.8	2	96	14	<1
13	27	29		8	2	35	345	1306	<1
9	17	32		6	1.8	20	214	466	<1
4	16	24	<5		1.6	12	231	40	<1
5	20	30	<5		1.5	15	292	50	<1
50	44	88	<5		1.4	102	453	1592	<1
75	39	55	<5		0.5	89	327	1885	<1

Pr MMI-M5 ppb	Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb	Sn MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb	Tl MMI-M5 ppb
1	5	1	1	1	1	0.5	3	0.5
<1	26	<1	<1	<1	<1	8.7	279	<0.5
<1	32	<1	<1	<1	<1	11.9	106	<0.5
2	41	<1	1	<1	<1	26.9	679	<0.5
20	84	1	30	<1	<1	74.3	1730	<0.5
4	29	<1	5	<1	<1	27.9	207	<0.5
7	83	1	6	<1	<1	41	442	<0.5
<1	23	<1	1	2	<1	20.3	552	<0.5
6	19	1	9	3	<1	38.1	315	<0.5
1	9	<1	1	<1	<1	18.7	174	<0.5
<1	9	<1	<1	<1	<1	16	181	<0.5
1	6	1	1	2	<1	25.1	135	<0.5
1	<5	<1	1	<1	<1	15	109	<0.5
8	23	2	18	<1	<1	69.7	481	<0.5
3	10	<1	6	<1	<1	42.1	215	<0.5
<1	8	1	1	5	<1	21.5	146	<0.5
9	20	<1	2	1	<1	16.8	178	<0.5
6	35	2	6	2	7	60.3	750	<0.5
<1	24	<1	1	<1	2	29.7	293	<0.5
7	102	2	9	<1	2	91	742	<0.5
3	21	1	4	<1	1	73.6	350	<0.5
11	23	2	17	<1	<1	163	1330	<0.5
6	12	2	6	<1	<1	96.2	719	<0.5
19	35	1	19	<1	<1	120	936	<0.5
22	18	2	28	1	<1	163	1580	<0.5
27	36	2	38	<1	<1	164	2440	<0.5
2	30	1	2	<1	<1	37.5	2640	0.5
2	124	1	2	<1	<1	47.7	1120	0.7
3	68	<1	3	<1	<1	33.2	536	<0.5
1	20	<1	1	<1	<1	27.8	176	<0.5
<1	11	<1	<1	<1	<1	12.8	160	<0.5
<1	16	<1	<1	<1	<1	10.5	82	<0.5
<1	13	<1	1	<1	<1	16.8	170	<0.5
<1	<5	<1	<1	<1	<1	24.1	224	<0.5
1	7	<1	1	1	<1	18.1	173	<0.5
2	15	<1	2	<1	<1	25.6	210	<0.5
<1	<5	<1	<1	<1	<1	17.4	182	<0.5
<1	5	<1	<1	<1	<1	10.3	22	<0.5
25	20	1	35	<1	3	45.6	492	<0.5
1	6	<1	2	<1	3	26.2	82	<0.5
17	33	2	39	<1	2	118	593	<0.5
85	28	2	127	<1	<1	51.9	455	<0.5
40	84	2	62	<1	<1	48.1	1180	<0.5
52	33	1	102	<1	<1	41.1	78	<0.5
20	84	1	30	<1	<1	74.3	1730	<0.5

2	51	<1		2	<1		<1		21.2	229	<0.5
3	10	<1		6	<1		<1		42.1	215	<0.5
1	9	<1		2	<1		<1		40.3	199	<0.5
22	18		2	28		1	<1		163	1580	<0.5
17	15		2	18	<1		<1		137	1400	<0.5
<1	16	<1		<1	<1		<1		10.5	82	<0.5
<1	13	<1		<1	<1		<1		9	56	<0.5
85	28		2	127	<1		<1		51.9	455	<0.5
10	37		1	24	<1		<1		41.5	235	<0.5
<1	23	<1		1		2	<1		20.3	552	<0.5
<1	14	<1		<1	<1		<1		11.3	329	<0.5
7	102		2	9	<1			2	91	742	<0.5
4	50		2	6	<1		<1		65.4	729	<0.5
3	68	<1		3	<1		<1		33.2	536	<0.5
4	138	<1		4	<1		<1		35.9	467	<0.5
17	33		2	39	<1			2	118	593	<0.5
15	27		1	35	<1		<1		84.6	485	<0.5

U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
1	1	5	1	20	5
4	<1	13	3	44	15
4	<1	<5	<1	34	19
8	<1	8	2	48	43
60	<1	260	30	591	93
28	<1	59	12	272	42
16	<1	34	6	58	56
7	<1	7	2	119	54
17	<1	108	14	183	37
14	<1	20	8	47	19
14	<1	6	4	33	13
19	<1	11	4	281	36
15	<1	7	1	211	36
63	<1	247	37	914	72
22	<1	138	16	197	29
24	<1	10	5	1036	24
19	<1	12	3	103	28
45	2	34	7	181	91
14	<1	13	8	68	38
70	<1	196	37	403	106
66	<1	103	25	458	119
105	<1	171	26	658	197
86	<1	35	8	192	98
114	<1	156	31	236	112
88	<1	221	29	193	177
76	<1	293	32	242	142
11	<1	20	3	225	111
29	<1	19	3	495	148
25	<1	22	3	236	83
19	<1	9	3	96	49
12	<1	10	3	98	35
9	<1	6	2	57	42
7	<1	25	5	299	49
9	<1	13	2	141	40
15	<1	9	4	55	30
26	<1	15	4	46	35
18	<1	6	3	86	35
15	<1	8	4	144	15
25	2	213	14	328	66
33	<1	37	8	2224	30
113	1	732	92	1092	141
49	<1	809	54	993	76
55	<1	343	20	3243	109
61	1	1234	188	625	67
60	<1	260	30	591	93

24	<1		39	11	161	37
22	<1		138	16	197	29
25	<1		16	5	113	60
88	<1		221	29	193	177
80		3	187	28	398	151
9	<1		6	2	57	42
10	<1		5	3	50	39
49	<1		809	54	993	76
77	<1		495	72	2213	73
7	<1		7	2	119	54
6	<1	<5		<1	169	60
70	<1		196	37	403	106
58	<1		108	20	318	94
25	<1		22	3	236	83
28	<1		30	4	214	93
113		1	732	92	1092	141
70	<1		681	61	706	82

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K127(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 14-Jun-04			By: AL, SJ		
		Sample Interval (m): 50					
K4187		587656	7092161			20	b
K4188		587709	7092181			20	b
K4190		587749	7092198			15	b
K4190		587796	7092211			20	b <org
K4191		587846	7092227			15	b w
K4192		587895	7092239			15	b
K4193		587942	7092259			30	b
K4194		587985	7092277			15	b
K4195		588036	7092288			20	b
K4196		588084	7092307			25	b pf
K4197		588131	7092320			30	b org
K4198		588180	7092339			15	b
K4199		588227	7092352			15	b
K4200		588273	7092370			20	b
K4201		588325	7092382			25	b
K4202		588366	7092404			25	b
K4203		588416	7092418			20	b
K4204		588464	7092434			20	b
K4205		588511	7092450			20	b
K4206		588557	7092465			15	b
K4207		588607	7092482			25	b
K4208		588654	7092497			25	b
K4209		588701	7092512			30	b
K4210		588746	7092528			25	b
K4211		588791	7092547			30	b
K4215		587609	7092145			15	b
K4216		587569	7092108			15	b
K4217		587530	7092078			315	b
K4218		587491	7092049			25	b
K4219		587454	7092017			25	b
K4220		587412	7091988			30	b f
K4221		587374	7091958			15	b ob
K4222		587337	7091923			15	b
K4223		587295	7091892			20	b w
K4224		587258	7091860			20	b
K4225		587218	7091828			25	b
K4226		587182	7091798			20	b
K4227		587140	7091761			10	b
K4228		587097	7091736			30	b
K4229		587060	7091700			20	b
K4230		587026	7091673			20	b
K4231		586989	7091637			15	b
K4232		586946	7091616			20	b
K4190							

K4212 DUPLICATE for K4190

K4200
K4213 DUPLICATE for K4200

K4210
K4214 DUPLICATE for K4210

K4220
K4233 DUPLICATE for K4220

K4230
K4234 DUPLICATE for K4230

COLOUR	SOIL COMPOSITION	ROCKS
b ob	cl si	qms
b ob	cl si gr	qms ser?
b ob	si s gr cl	qv ser s X-cutting lim stringers
b ob	cl si	qms qv with lim stingers
b ob	si cl gr	qms
b ob	si cl gr gv	qms
b ob	si cl	mqs
b ob	s si gr gv	qms tr p
b ob	si cl gr	qms
b gb	si cl	lim qms
b	cl si	ox qms
b	cl si s	wms
b	si cl	qms
b	s gr si cl	qms ser?
b	si cl gr	qv ser s X-cutting lim stringers
gb	si cl	qms, tr p, X-cutting Q stringer
b	si s cl	qv
lb	si cl gr	qms
b	si	qms
b ob	s si gr gv	qv - not Bull, with vuggy lim fractures, mqs
b	si s cl gr	vuggy q lens in m s, lim q
b gb	si cl	qv, qms
g yb	si	qms
b	si cl	qms
ob	si gr gv	ser q s lim well developed, crenulation clevage
b ob	si cl	qms lim
b ob	si cl gr	qms, qv with vuggy lim x-cutting lim stringers
b ob	cl si	qms lim redish ox
b	si cl	qms
b ob	cl si gr	qms
b	si s cl	qms
b ob	cl si gr	qms
b ob	s si cl	qms
b ob	si cl	qms ox
b	si gr cl	qms
b	s si gr cl	no rock
b ob	si s gr cl	qv lim
b	s gr si cl	qms ox bull q
b	s gr si cl	qms
b	si cl	qv
b	si s cl gr	qms ox
b	si cl	no rock
b	si s cl	q

COMMENTS	Scheme Code	Au-ICP21	ME-ICP41	ME-ICP41
		Au	Ag	Al
	Analysis Unit	ppm	ppm	%
		0.01	0.3	2.31
		0.038	<0.2	1.58
		0.012	<0.2	1.28
Dup K4212		0.009	<0.2	1.21
		0.021	0.2	1.18
		0.008	<0.2	1.21
		0.009	<0.2	1.42
		0.007	<0.2	0.81
		0.009	0.3	1.46
		0.003	0.9	1.29
		0.009	0.6	1.42
		0.013	0.7	1.48
		0.012	0.5	1.06
Dup K4213		0.08	0.4	0.99
		0.009	0.4	0.86
		0.01	0.8	1.19
		0.004	0.2	0.96
		0.01	0.3	1.02
to this point (including) qv has been Bull Quartz		0.006	0.4	0.88
		0.002	<0.2	0.99
		0.003	0.2	0.65
		0.006	<0.2	0.78
		0.004	0.3	0.93
		0.004	0.4	0.99
		0.003	0.3	0.79
		0.008	0.2	1.86
		0.007	0.4	1.29
		0.003	0.3	1.44
		0.005	0.4	1.39
		0.006	0.4	1.51
Dup K4233		0.003	0.6	1.62
		0.028	0.2	1.31
		0.004	<0.2	1.26
		0.004	0.2	1
		0.003	<0.2	0.85
		0.003	<0.2	0.92
		0.003	0.3	0.98
		0.004	0.3	0.91
		0.003	0.6	1.04
		0.006	0.7	1.25
Dup K4234		0.008	0.5	1.08
		0.003	1.2	1.18
		0.003	0.2	0.99
		0.009	<0.2	1.21

0.009	0.2	1.44
0.08	0.4	0.99
0.009	0.4	1.08
0.004	0.4	0.99
0.005	0.5	1.06
0.003	0.6	1.62
0.005	0.5	1.58
0.008	0.5	1.08
0.004	0.4	1.1

ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
453	<10	260	0.5	<2	0.2	<0.5	12	60
245	<10	190	<0.5	<2	0.13	<0.5	8	35
245	<10	170	<0.5	<2	0.1	<0.5	5	20
227	<10	230	<0.5	<2	0.11	<0.5	5	19
198	<10	200	<0.5	<2	0.19	<0.5	5	21
195	<10	160	<0.5	<2	0.15	<0.5	5	20
295	<10	150	<0.5	<2	0.15	<0.5	6	20
257	<10	200	<0.5	<2	0.17	<0.5	5	11
276	<10	200	<0.5	<2	0.14	<0.5	5	21
193	<10	250	<0.5	<2	0.13	<0.5	4	18
208	<10	230	<0.5	<2	0.11	<0.5	4	19
208	<10	230	<0.5	<2	0.12	<0.5	5	19
162	<10	170	<0.5	<2	0.11	<0.5	3	15
159	<10	140	<0.5	<2	0.11	<0.5	3	14
102	<10	140	<0.5	<2	0.1	<0.5	3	11
100	<10	240	<0.5	<2	0.09	<0.5	3	15
108	<10	130	<0.5	<2	0.09	<0.5	3	12
116	<10	140	<0.5	<2	0.09	<0.5	3	14
82	<10	140	<0.5	<2	0.09	<0.5	2	10
68	<10	130	<0.5	<2	0.08	<0.5	3	14
41	<10	120	<0.5	<2	0.07	<0.5	2	8
36	<10	120	<0.5	<2	0.08	<0.5	2	10
41	<10	120	<0.5	<2	0.09	<0.5	2	11
40	<10	110	<0.5	<2	0.09	<0.5	3	13
55	<10	90	<0.5	<2	0.07	<0.5	2	11
429	<10	320	<0.5	<2	0.09	<0.5	5	22
657	<10	190	<0.5	<2	0.07	<0.5	3	14
271	<10	250	<0.5	<2	0.09	<0.5	5	20
313	<10	280	<0.5	<2	0.1	<0.5	5	20
239	<10	230	<0.5	<2	0.09	<0.5	5	19
191	<10	340	<0.5	<2	0.11	<0.5	5	20
201	<10	170	<0.5	<2	0.05	<0.5	5	17
156	<10	200	<0.5	<2	0.07	<0.5	4	16
129	<10	180	<0.5	<2	0.06	<0.5	3	11
159	<10	160	<0.5	<2	0.07	<0.5	3	9
99	<10	190	<0.5	<2	0.09	<0.5	3	11
140	<10	180	<0.5	<2	0.08	<0.5	4	12
92	<10	160	<0.5	<2	0.07	<0.5	3	11
88	<10	220	<0.5	<2	0.1	<0.5	5	13
68	<10	270	<0.5	<2	0.14	<0.5	4	16
71	<10	220	<0.5	<2	0.18	<0.5	4	15
55	<10	250	<0.5	<2	0.17	<0.5	5	15
18	<10	230	<0.5	<2	0.32	<0.5	5	13
227	<10	230	<0.5	<2	0.11	<0.5	5	19

256	<10	230	0.5	<2	0.12	<0.5	5	22
159	<10	140	<0.5	<2	0.11	<0.5	3	14
154	<10	140	<0.5	<2	0.12	<0.5	4	14
40	<10	110	<0.5	<2	0.09	<0.5	3	13
45	<10	120	<0.5	<2	0.09	<0.5	2	14
191	<10	340	<0.5	<2	0.11	<0.5	5	20
205	<10	320	<0.5	<2	0.11	<0.5	5	19
71	<10	220	<0.5	<2	0.18	<0.5	4	15
71	<10	230	<0.5	<2	0.18	<0.5	5	15

ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm
13	3.5	10	<1	0.15	10	1.48	251	1
12	2.52	<10	<1	0.11	20	0.89	228	1
10	2.24	<10	<1	0.08	20	0.35	178	1
16	2.01	10	<1	0.09	20	0.28	158	1
15	2.01	<10	<1	0.07	20	0.39	174	1
11	2.01	<10	<1	0.06	20	0.36	168	1
10	2.28	10	<1	0.07	20	0.36	234	1
11	1.56	<10	<1	0.08	20	0.44	211	<1
11	2.29	10	<1	0.08	10	0.43	158	1
18	1.82	<10	<1	0.09	20	0.37	118	1
16	1.99	<10	<1	0.08	20	0.38	122	1
14	2.09	<10	1	0.11	20	0.45	146	1
9	1.67	<10	<1	0.08	20	0.37	116	<1
8	1.6	<10	1	0.07	20	0.36	110	<1
8	1.32	<10	<1	0.09	30	0.35	104	<1
15	1.42	<10	<1	0.09	20	0.27	77	1
6	1.48	<10	<1	0.07	20	0.32	88	<1
7	1.68	<10	<1	0.09	20	0.26	98	1
6	1.34	<10	<1	0.09	20	0.24	84	<1
7	1.6	<10	<1	0.06	20	0.25	103	<1
6	1.04	<10	<1	0.08	30	0.16	61	<1
7	1.23	<10	<1	0.06	30	0.2	69	<1
9	1.38	<10	<1	0.06	30	0.21	73	<1
7	1.4	<10	<1	0.04	20	0.21	74	<1
7	1.37	<10	<1	0.05	20	0.18	68	<1
11	2.7	10	1	0.05	10	0.32	178	<1
8	1.95	<10	<1	0.07	20	0.24	146	<1
12	2.23	10	1	0.07	10	0.33	211	<1
14	2.02	<10	1	0.07	10	0.38	161	<1
9	2.1	<10	<1	0.07	20	0.4	196	<1
12	2.17	10	<1	0.08	10	0.38	154	<1
11	1.97	<10	<1	0.06	20	0.41	169	<1
10	1.98	<10	<1	0.07	20	0.37	168	<1
8	1.54	<10	<1	0.09	30	0.34	130	<1
7	1.39	<10	1	0.09	30	0.33	151	<1
7	1.32	<10	1	0.07	20	0.32	113	<1
7	1.67	<10	<1	0.07	20	0.31	134	<1
6	1.37	<10	<1	0.07	20	0.27	120	<1
11	1.74	<10	<1	0.09	20	0.32	211	<1
9	1.81	<10	1	0.09	20	0.37	173	<1
10	1.73	<10	<1	0.08	20	0.33	178	<1
9	1.7	<10	1	0.1	20	0.31	248	<1
11	1.55	<10	<1	0.08	30	0.48	202	<1
16	2.01	10	<1	0.09	20	0.28	158	1

18	2.35	10	1	0.1	20	0.3	194	<1
8	1.6	<10	1	0.07	20	0.36	110	<1
8	1.67	<10	<1	0.07	20	0.37	116	<1
7	1.4	<10	<1	0.04	20	0.21	74	<1
16	1.5	<10	<1	0.04	20	0.22	78	<1
12	2.17	10	<1	0.08	10	0.38	154	<1
12	2.24	10	<1	0.08	10	0.38	164	<1
10	1.73	<10	<1	0.08	20	0.33	178	<1
10	1.77	<10	<1	0.08	20	0.34	196	<1

ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %
0.01	19	240	20	<0.01	<2		6	22	0.12
<0.01	15	200	19	<0.01	<2		4	14	0.08
<0.01	12	250	15	<0.01	<2		2	11	0.04
<0.01	14	310	24	<0.01	<2		1	12	0.04
<0.01	15	470	19	<0.01	<2		2	16	0.06
<0.01	14	330	16	<0.01	<2		2	13	0.05
<0.01	14	340	20	<0.01	<2		2	13	0.04
<0.01	12	390	23	<0.01		2	2	15	0.04
<0.01	14	330	22	<0.01	<2		2	14	0.05
<0.01	11	430	22	0.01	<2		1	14	0.02
<0.01	12	320	21	<0.01	<2		1	12	0.03
<0.01	11	280	26	<0.01	<2		2	13	0.04
<0.01	9	220	14	<0.01	<2		2	12	0.04
<0.01	11	290	18	<0.01	<2		2	11	0.03
<0.01	8	320	17	<0.01	<2		1	11	0.03
<0.01	9	250	23	<0.01	<2		2	11	0.03
<0.01	8	250	16	<0.01	<2		2	9	0.03
<0.01	9	230	24	<0.01	<2		1	9	0.03
<0.01	8	220	16	<0.01	<2		1	9	0.03
<0.01	7	160	19	<0.01	<2		2	8	0.04
<0.01	4	230	17	<0.01	<2		1	7	0.02
<0.01	7	250	21	<0.01	<2		1	8	0.03
<0.01	6	240	47	<0.01	<2		2	9	0.03
<0.01	6	160	38	<0.01	<2		2	9	0.04
<0.01	6	180	61	0.01	<2		1	8	0.03
0.01	13	210	13	0.01	<2		3	11	0.05
<0.01	8	180	15	0.02	<2		2	12	0.03
0.01	12	240	11	0.01	<2		2	12	0.05
0.01	14	240	14	0.01	<2		2	13	0.03
0.01	11	140	13	<0.01	<2		2	10	0.04
0.01	10	260	16	0.01	<2		2	13	0.03
<0.01	9	120	16	<0.01	<2		2	7	0.04
<0.01	9	170	13	<0.01	<2		2	9	0.04
<0.01	7	220	16	<0.01	<2		1	8	0.03
0.01	6	210	14	<0.01	<2		1	9	0.03
<0.01	7	220	13	<0.01	<2		1	10	0.03
<0.01	7	210	10	<0.01	<2		1	9	0.03
<0.01	7	160	14	<0.01	<2		1	8	0.03
<0.01	8	370	27	<0.01	<2		1	12	0.03
<0.01	9	360	12	<0.01	<2		2	15	0.03
<0.01	9	390	27	<0.01	<2		2	15	0.03
<0.01	8	420	18	<0.01	<2		2	16	0.03
0.01	9	440	12	0.01	<2		2	30	0.03
<0.01	14	310	24	<0.01	<2		1	12	0.04

0.01	15	390	25	0.01	<2	1	13	0.04
<0.01	11	290	18	<0.01	<2	2	11	0.03
<0.01	8	300	15	<0.01	<2	2	12	0.03
<0.01	6	160	38	<0.01	<2	2	9	0.04
<0.01	7	160	47	<0.01	<2	2	9	0.04
0.01	10	260	16	0.01	<2	2	13	0.03
0.01	10	260	17	0.01	<2	2	13	0.04
<0.01	9	390	27	<0.01	<2	2	15	0.03
0.01	10	450	26	<0.01	<2	2	16	0.04

ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
<10	<10	62	<10	60
<10	<10	42	<10	50
<10	<10	39	<10	41
<10	<10	40	<10	41
<10	<10	37	<10	50
<10	<10	36	<10	46
<10	<10	43	<10	49
<10	<10	20	<10	49
<10	<10	42	<10	50
<10	<10	31	<10	44
<10	<10	34	<10	42
<10	<10	33	<10	53
<10	<10	29	<10	42
<10	<10	26	<10	40
<10	<10	18	<10	39
<10	<10	27	<10	32
<10	<10	25	<10	37
<10	<10	30	<10	34
<10	<10	22	<10	30
<10	<10	31	<10	31
<10	<10	16	<10	25
<10	<10	20	<10	30
<10	<10	23	<10	34
<10	<10	30	<10	29
<10	<10	25	<10	31
<10	<10	60	<10	40
<10	<10	35	<10	34
<10	<10	50	<10	41
<10	<10	36	<10	40
<10	<10	40	<10	40
<10	<10	45	<10	38
<10	<10	29	<10	43
<10	<10	32	<10	40
<10	<10	21	<10	35
<10	<10	18	<10	35
<10	<10	20	<10	30
<10	<10	29	<10	31
<10	<10	21	<10	30
<10	<10	27	<10	42
<10	<10	32	<10	41
<10	<10	30	<10	42
<10	<10	32	<10	35
<10	<10	23	<10	37
<10	<10	40	<10	41

<10	<10	45	<10	46
<10	<10	26	<10	40
<10	<10	28	<10	41
<10	<10	30	<10	29
<10	<10	31	<10	40
<10	<10	45	<10	38
<10	<10	45	<10	38
<10	<10	30	<10	42
<10	<10	32	<10	43

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K128		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 1	
		Sampled:	13-Jul-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
K4454		585461	7093582		R	15	a b d
K4455		585422	7093549		R	15	a org d
K4456		585400	7093506		S	15	b ox d org
K4457		585360	7093469		S	15	b ox org d
K4458		585328	7093432		S	10	b, b ox d
K4459		585299	7093395		S+	10	a org d
K4460		585267	7093359		S+	10	a org <b d
K4461		585239	7093317		S+	15	a org d
K4462		585202	7093281		S+	15	a d
K4463		585168	7093243		S+	10	a d org
K4464		585136	7093204		S+	10	a d org
K4465		585108	7093159		S+	10	a org d
K4466		585070	7093126		S+	10	a <org d
K4467		585040	7093091		S+	20	a d org
K4468		585002	7093056		S+	10	a org d
K4469		584964	7093018		S+	10	a org d
K4470		584937	7092983		S	10	a d
K4471		584902	7092947		S	10	a org d
K4472		584873	7092898		S	10	a org d
K4473		584836	7092867		S	10	a org d
K4474		584807	7092829		S	10	b <a org d
K4475		584762	7092799		S	10	a org d
K4476		584736	7092755		S	10	a org d
K4477		584703	7092718		S	10	a org d
K4478		584677	7092677		S	10	a org d
K4479		584631	7092644		S	10	a org d
K4480		584613	7092603		S	10	a org d
K4481		584574	7092566		S	10	a org d
K4482		584541	7092521		S	10	a org d
K4483		584511	7092486		S	10	a org d
K4484		584477	7092451		F	10	a org d
K4485		584447	7092413		F	10	a org d
K4486		584419	7092374		F	10	a org d
K4487		584383	7092333		F	10	a org d
K4488		584344	7092299		F	15	a d
K4489		584311	7092263		F	20	a org d
K4490		584288	7092224		F	15	a org d
K4491		584253	7092180		F	10	a org d
K4492		Check for K4460					
K4493		Check for K4470					
K4494		Check for K4480					
K4495		Check for K4490					

DUP-K4477
DUP-K4489

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
15-0/14			
By:	PL, SJ		
b <yb	cl si	qte ser	
b	si cl	qte ser, weakly fol	
g ob	si cl	qte ser ox p	
yb g	gr si cl	qte ser ox p , weakly fol	
yb g	si gr cl	qte ser fol	
b	si cl	qte ser	
yb	cl si	qte ser, q with epodite? Bands, p ox	Dup is K4492
b	si cl	qte ser b	
b	si cl gr	qte ser q met bull	
b	si cl	qte ser	
b	cl si	qte ser	
b	cl si	qte ser	
b	cl si	qte ser p ox	
b	cl si	qte m p ox	
b	si cl	qte lim streaks par to fol/ser	
b	si cl	qte ser lim b?	
rb	si cl	q lim pyrolucite?	Dup is K4493
b	si cl	qte ser lim	
b	cl si	qv hem	
b	si cl	qte lim ser	
b yb	si cl gr	qte ser blue q eyes	
b	si cl	qte ser	
b	si cl	q ser s	
b	si cl	q m s	
b	cl si	qte ser	
b	si cl	qte ser lim par to fol	
b	si cl	q m s blue q eyes, ox p	Dup is K4494
b	cl si	qte m ox	
b	si cl	qms	
b	cl si	q ox p, qte ser lim specs	
b	si cl	qte ser ox lim par to fol	
b	si cl	q ser s blue q eyes	
y g b	cl si	q lim pyrolucite?	
yb	si cl	qte ser	
b	si gr cl	qte ser p ox	
b	si cl	gneissic solicified qte p ox	
b	cl si	qte ser lim	Dup is K4495
b	cl si	qte ser q met bull	

Scheme Co
Analysis Ur
Detection L

Au MMI-B	Co MMI-B	Ni MMI-B	Pd MMI-B	Ag MMI-B
ppb	ppb	ppb	ppb	ppb
0.1	1	3	0.1	0.1
<0.1	13	12	<0.1	0.86
<0.1	7	12	0.11	0.86
<0.1	5	6	<0.1	0.29
<0.1	6	16	0.12	15.7
<0.1	3	10	<0.1	1.7
<0.1	24	23	0.2	1.02
<0.1	12	10	<0.1	0.98
<0.1	10	11	<0.1	1.45
<0.1	10	10	<0.1	4.98
<0.1	9	9	<0.1	0.72
<0.1	8	9	<0.1	1.29
<0.1	22	16	0.13	3.28
<0.1	5	7	<0.1	0.38
<0.1	10	15	0.18	0.41
<0.1	16	18	0.15	2.55
<0.1	19	18	<0.1	0.61
<0.1	10	13	<0.1	24
<0.1	17	14	<0.1	1.61
<0.1	11	15	0.17	1.43
<0.1	23	31	<0.1	1.47
<0.1	7	7	<0.1	0.39
<0.1	23	21	<0.1	0.88
<0.1	37	23	0.2	0.89
<0.1	19	15	0.2	0.75
<0.1	11	7	<0.1	0.34
<0.1	8	8	<0.1	0.28
<0.1	31	20	0.16	0.27
<0.1	14	14	<0.1	10.4
<0.1	31	28	<0.1	0.21
<0.1	24	24	0.2	0.73
<0.1	12	12	<0.1	<0.1
<0.1	63	31	0.15	0.23
<0.1	7	15	<0.1	1.44
<0.1	19	18	<0.1	0.25
<0.1	17	17	0.15	0.35
<0.1	8	11	<0.1	0.42
<0.1	26	23	0.18	0.24
<0.1	18	20	0.14	0.86
<0.1	13	10	<0.1	0.11
0.11	5	14	<0.1	52.9
<0.1	19	14	0.13	0.28
<0.1	15	16	0.18	0.76
<0.1	19	16	<0.1	0.86
<0.1	9	14	<0.1	0.27

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K128(-80)		GRAND FORKS 1:50,000 115-0/14					
		Sampled: 13-Jul-04			By: PL, SJ		
		Sample Interval (m): 50					
K4454		585461	7093582		R	25	b
K4455		585422	7093549		R	35	b
K4456		585400	7093506		S	35	b
K4457		585360	7093469		S	25	b org
K4458		585328	7093432		S	25	b
K4459		585299	7093395		S+	25	b
K4460		585267	7093359		S+	25	b d
K4461		585239	7093317		S+	30	b
K4462		585202	7093281		S+	25	b
K4463		585168	7093243		S+	25	b
K4464		585136	7093204		S+	30	b
K4465		585108	7093159		S+	30	b org d
K4466		585070	7093126		S+	30	b
K4467		585040	7093091		S+	30	b
K4468		585002	7093056		S+	40	b
K4469		584964	7093018		S+	25	b
K4470		584937	7092983		S	30	b
K4471		584902	7092947		S	20	b
K4472		584873	7092898		S	25	b
K4473		584836	7092867		S	25	b c?
K4474		584807	7092829		S	20	b
K4475		584762	7092799		S	25	b c?
K4476		584736	7092755		S	25	b
K4477		584703	7092718		S	25	b
K4478		584677	7092677		S	20	b b ox
K4479		584631	7092644		S	30	c
K4480		584613	7092603		S	30	b
K4481		584574	7092566		S	20	b
K4482		584541	7092521		S	25	b
K4483		584511	7092486		S	30	b
K4484		584477	7092451		F	25	b
K4485		584447	7092413		F	25	b
K4486		584419	7092374		F	25	b w
K4487		584383	7092333		F	20	b
K4488		584344	7092299		F	25	b
K4489		584311	7092263		F	30	b
K4490		584288	7092224		F	35	b
K4491		584253	7092180		F	25	b

K4460
K4492 Check for K4460

K4470
K4493 Check for K4470

K4480
K4494 Check for K4480

K4490
K4495 Check for K4490

COLOUR	SOIL COMPOSITION	ROCKS	COMMENTS
yb	si cl	qte ser	
yb	si gr cl	qte ser, weakly fol	
ob	si cl gr	qte ser ox p	
yb	gr sil cl	qte ser ox p , weakly fol	
yb	si gr cl	qte ser fol	
yb	si cl gr	qte ser	
yb	si cl	qte ser, q with epodite? Bands, p ox	Dup is K4492
ob	si cl	qte ser b	
yb	si gr cl	qte ser q met bull	
ob	si cl gr	qte ser	
yb	si cl gr	qte ser	
ob	cl si	qte ser	
lb gb	cl si	qte ser p ox	
yb	si cl	qte m p ox	
yb	si gr cl	qte lim streaks par to fol/ser	
ob	cl si	qte ser lim b?	
yb	si cl gr	q lim pyrolucite?	Dup is K4493
yb	si cl gr	qte ser lim	
b	cl si	qv hem	
yb	si cl gr	qte lim ser	
yb	si cl gv	qte ser blue q eyes	
yb	si gr cl	qte ser	
yb	si cl gr	q ser s	
yb	cl si gr	q m s	
b bg	si cl gr	qte ser	
yb	s si gr	qte ser lim par to fol	
yb	si cl gr	q m s blue q eyes, ox p	Dup is K4494
yb	cl si gr	qte m ox	
yb	cl si gr	qms	
yb	si cl gr	q ox p, qte ser lim specs	
yb	si cl gr	qte ser ox lim par to fol	
yb	si cl gr	q ser s blue q eyes	
y g b	cl si	q lim pyrolucite?	
yb	si cl gr	qte ser	
yb	si cl gr	qte ser p ox	
yb	si cl gv	gneissic solicified qte p ox	
yb	cl si gv	qte ser lim	Dup is K4495
yb	cl si gr	qte ser q met bull	

Scheme Code

Analysis Unit

Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %
0.001	<0.2	1.62	8	<10	200	<0.5	<2	0.12
<0.001	<0.2	1.54	10	<10	260	0.5	<2	0.09
<0.001	<0.2	1.24	9	<10	180	<0.5	2	0.05
<0.001	0.2	1.19	6	<10	230	<0.5	<2	0.06
<0.001	<0.2	0.46	2	<10	120	<0.5	<2	0.01
<0.001	<0.2	0.73	4	<10	150	<0.5	<2	0.06
<0.001	<0.2	0.83	3	<10	110	<0.5	2	0.05
0.001	0.4	1.42	9	<10	170	<0.5	2	0.06
<0.001	0.2	0.87	4	<10	140	<0.5	2	0.04
<0.001	0.3	1.61	9	<10	210	<0.5	<2	0.07
<0.001	0.2	1.02	4	<10	170	<0.5	2	0.04
<0.001	<0.2	1.6	9	<10	230	<0.5	3	0.08
<0.001	<0.2	1.32	4	<10	300	<0.5	<2	0.11
0.001	<0.2	1.59	7	<10	290	<0.5	<2	0.08
<0.001	<0.2	0.48	2	<10	120	<0.5	<2	0.02
0.001	<0.2	2.42	11	<10	430	0.5	2	0.1
<0.001	0.3	1.68	5	<10	360	<0.5	2	0.06
0.004	0.3	1.02	4	<10	120	<0.5	<2	0.03
0.003	0.3	1.84	7	<10	220	<0.5	2	0.08
<0.001	<0.2	0.44	<2	<10	110	<0.5	<2	0.03
<0.001	<0.2	2.07	7	<10	260	0.5	<2	0.09
<0.001	<0.2	1.11	2	<10	110	<0.5	<2	0.04
<0.001	<0.2	1.58	6	<10	290	<0.5	2	0.08
<0.001	<0.2	1.2	4	<10	170	<0.5	2	0.09
<0.001	<0.2	1.36	5	<10	160	<0.5	2	0.08
<0.001	<0.2	0.6	<2	<10	120	<0.5	2	0.02
<0.001	0.2	0.69	2	<10	200	<0.5	2	0.03
<0.001	<0.2	1.21	3	<10	140	<0.5	<2	0.06
<0.001	<0.2	0.77	<2	<10	110	<0.5	<2	0.05
0.004	<0.2	0.99	<2	<10	190	<0.5	<2	0.03
<0.001	<0.2	1.02	<2	<10	130	<0.5	<2	0.05
<0.001	<0.2	1.58	2	<10	220	<0.5	<2	0.06
0.002	<0.2	0.87	<2	<10	130	<0.5	<2	0.06
<0.001	<0.2	0.79	<2	<10	90	<0.5	<2	0.03
<0.001	<0.2	0.92	4	<10	130	<0.5	<2	0.06
<0.001	<0.2	0.63	<2	<10	90	<0.5	<2	0.05
<0.001	<0.2	0.84	<2	<10	110	<0.5	<2	0.05
<0.001	<0.2	0.92	<2	<10	140	<0.5	<2	0.05
<0.001	<0.2	0.83	3	<10	110	<0.5	2	0.05
<0.001	<0.2	0.93	2	<10	130	<0.5	<2	0.06
<0.001	0.3	1.68	5	<10	360	<0.5	2	0.06
0.001	0.2	1.91	3	<10	460	<0.5	<2	0.07

<0.001		0.2	0.69	2	<10	200	<0.5		2	0.03
<0.001		0.3	0.71	2	<10	250	<0.5	<2		0.03
<0.001	<0.2		0.84	<2	<10	110	<0.5	<2		0.05
<0.001	<0.2		0.91	<2	<10	130	<0.5	<2		0.05

ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm
<0.5	7	19	10	2.61	10	1	0.07	10
<0.5	5	20	10	2.82	10	<1	0.09	20
<0.5	4	13	7	2.73	<10	<1	0.09	10
<0.5	4	13	7	1.92	<10	<1	0.08	10
<0.5	2	3	3	0.86	<10	1	0.06	10
<0.5	3	9	5	1.22	<10	1	0.07	10
<0.5	3	9	3	1.19	<10	1	0.05	10
<0.5	6	19	7	2.72	10	1	0.08	10
<0.5	3	8	5	1.21	<10	1	0.06	20
<0.5	5	21	9	2.41	10	1	0.05	10
<0.5	3	9	11	1.26	<10	<1	0.08	20
<0.5	5	21	9	2.61	10	<1	0.08	20
<0.5	4	17	8	1.89	10	1	0.05	20
<0.5	5	23	9	2.27	10	1	0.06	20
<0.5	2	4	3	0.66	<10	<1	0.08	20
<0.5	10	34	16	3.06	<10	<1	0.04	10
<0.5	6	22	13	2.07	<10	1	0.03	10
<0.5	3	8	18	1.24	<10	<1	0.03	20
<0.5	6	26	10	2.48	10	1	0.04	20
<0.5	2	3	3	0.54	<10	<1	0.06	20
<0.5	6	27	9	2.75	10	1	0.03	10
<0.5	3	7	5	1.36	<10	1	0.03	30
<0.5	6	22	17	2.59	<10	1	0.05	10
<0.5	4	15	8	1.73	<10	1	0.06	10
<0.5	5	20	6	2.74	10	<1	0.06	10
<0.5	2	6	4	0.7	<10	<1	0.09	20
<0.5	2	4	4	0.99	<10	1	0.11	20
<0.5	4	17	7	1.78	<10	<1	0.06	10
<0.5	2	8	4	1.2	<10	<1	0.11	10
<0.5	2	8	7	1.36	<10	<1	0.08	20
<0.5	2	14	5	1.58	<10	<1	0.08	20
<0.5	3	17	7	1.79	<10	<1	0.08	20
<0.5	1	9	5	0.96	<10	1	0.09	40
<0.5	1	9	5	0.83	<10	1	0.05	20
<0.5	2	12	5	1.28	<10	<1	0.06	20
<0.5	2	10	6	0.94	<10	1	0.05	20
<0.5	2	15	8	1.18	<10	1	0.04	20
<0.5	2	10	8	1.34	<10	<1	0.11	40
<0.5	3	9	3	1.19	<10	1	0.05	10
<0.5	2	11	4	1.32	<10	<1	0.05	10
<0.5	6	22	13	2.07	<10	1	0.03	10
<0.5	6	26	16	2.26	10	1	0.04	20

<0.5	2	4	4	0.99	<10		1	0.11	20
<0.5	1	4	4	1.04	<10		1	0.11	20
<0.5	2	15	8	1.18	<10		1	0.04	20
<0.5	3	16	9	1.29	<10	<1		0.05	20

ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm
0.46	147	<1	<0.01	12	240	14	0.01	<2
0.31	168	1	<0.01	11	330	20	0.01	<2
0.22	145	1	<0.01	7	330	13	0.01	<2
0.18	123	1	<0.01	6	190	18	0.01	<2
0.05	27	<1	<0.01	1	140	9	0.01	<2
0.15	83	<1	<0.01	5	70	13	0.01	2
0.14	82	<1	<0.01	2	80	12	<0.01	<2
0.33	254	1	<0.01	8	380	21	0.01	<2
0.14	67	<1	<0.01	3	90	13	0.01	<2
0.3	158	1	<0.01	10	160	21	0.01	<2
0.24	61	<1	<0.01	5	110	18	0.01	<2
0.34	181	1	<0.01	10	370	19	0.01	<2
0.22	92	<1	<0.01	5	420	16	0.01	<2
0.35	148	1	<0.01	9	160	20	0.01	<2
0.1	33	<1	<0.01	2	100	10	0.01	<2
0.41	240	1	<0.01	20	300	21	0.01	<2
0.32	176	1	<0.01	13	130	31	0.01	<2
0.38	65	<1	<0.01	5	80	61	0.01	2
0.34	182	1	<0.01	11	150	23	0.01	<2
0.07	18	<1	<0.01	1	110	12	0.01	<2
0.36	154	1	<0.01	12	230	13	0.01	<2
0.48	63	<1	<0.01	4	200	12	0.01	<2
0.38	160	<1	<0.01	11	210	6	0.01	<2
0.33	89	<1	<0.01	6	160	9	0.01	<2
0.32	133	1	<0.01	8	250	12	0.01	<2
0.09	45	<1	<0.01	4	100	8	0.01	<2
0.14	52	<1	<0.01	3	150	14	0.01	<2
0.33	96	1	<0.01	9	100	14	0.01	2
0.23	72	<1	<0.01	4	140	12	<0.01	2
0.34	68	<1	<0.01	5	170	14	<0.01	2
0.23	78	<1	<0.01	6	130	20	<0.01	<2
0.29	134	1	<0.01	7	120	20	<0.01	3
0.45	59	<1	<0.01	2	100	18	<0.01	2
0.14	51	1	<0.01	5	50	18	<0.01	2
0.2	82	1	<0.01	5	60	15	<0.01	2
0.17	63	<1	<0.01	5	40	14	<0.01	2
0.22	84	1	<0.01	7	80	19	<0.01	3
0.45	117	1	<0.01	5	110	19	<0.01	2
0.14	82	<1	<0.01	2	80	12	<0.01	<2
0.17	100	1	<0.01	5	80	13	<0.01	3
0.32	176	1	<0.01	13	130	31	0.01	<2
0.37	195	1	<0.01	16	130	39	<0.01	3

0.14	52	<1	<0.01	3	150	14	0.01	<2	
0.14	48	<1	<0.01	2	140	14	<0.01		3
0.22	84	1	<0.01	7	80	19	<0.01		3
0.23	94	<1	<0.01	8	80	21	<0.01		2

ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
	3	14	0.04	<10	<10	46	<10	39
	3	10	0.05	<10	<10	48	<10	38
	3	6	0.02	<10	<10	33	<10	33
	2	6	0.02	<10	<10	30	<10	29
	1	3	0.01	<10	<10	13	<10	16
	1	7	0.03	<10	<10	25	<10	21
	1	7	0.03	<10	<10	27	<10	18
	2	8	0.05	<10	<10	47	<10	49
	1	6	0.02	<10	<10	24	<10	19
	2	9	0.05	<10	<10	47	<10	34
	2	7	0.02	<10	<10	18	<10	29
	2	9	0.04	<10	<10	45	<10	40
	2	12	0.04	<10	<10	43	<10	22
	2	10	0.05	<10	<10	51	<10	34
<1		4	0.01	<10	<10	9	<10	13
	3	12	0.06	<10	<10	52	<10	51
	3	8	0.05	<10	<10	43	<10	52
	1	6	0.02	<10	<10	20	<10	61
	3	9	0.06	<10	<10	55	<10	39
	1	4	0.01	<10	<10	9	<10	12
	3	10	0.07	<10	<10	62	<10	35
	1	6	0.01	<10	<10	17	<10	33
	4	9	0.02	<10	<10	34	<10	42
	2	9	0.04	<10	<10	32	<10	30
	2	9	0.06	<10	<10	50	<10	32
	1	4	0.02	<10	<10	14	<10	12
	1	5	0.01	<10	<10	9	<10	18
	2	7	0.03	<10	<10	32	<10	32
	1	6	0.03	<10	<10	18	<10	27
	1	5	0.01	<10	<10	15	<10	28
	1	6	0.03	<10	<10	32	<10	24
	2	7	0.03	<10	<10	34	<10	33
	1	7	0.03	<10	<10	14	<10	27
	1	4	0.02	<10	<10	15	<10	13
	1	7	0.03	<10	<10	29	<10	19
	1	6	0.03	<10	<10	21	<10	17
	1	7	0.04	<10	<10	26	<10	21
	1	8	0.05	<10	<10	16	<10	43
	1	7	0.03	<10	<10	27	<10	18
	1	8	0.03	<10	<10	30	<10	20
	3	8	0.05	<10	<10	43	<10	52
	3	10	0.05	<10	<10	49	<10	57

1	5	0.01	<10	<10	9	<10	18
1	5	0.01	<10	<10	10	<10	17
1	7	0.04	<10	<10	26	<10	21
2	7	0.04	<10	<10	28	<10	23

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE
TRAVERSE K129		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,	
		Sampled:	2-Aug-04	By:		Sampled:	
		Sample Interval (m):	50			Sample Interval (m):	50
	K4565	585939	7091000		R	20	b
	K4566	585895	7090977		S	20	b d
	K4567	585851	7090957		S	15	b d
	K4568	585804	7090927		S+	10	a org
	K4569	585758	7090903		S++	30	b < a
	K4570	585711	7090885		S++	15	b < org
	K4571	585667	7090859		S++	15	b < org
	K4572	585628	7090834		S++	20	a org
	K4573	585580	7090820		S++	40	a org < b
	K4574	585532	7090802		S++	35	a org
	K4575	585484	7090781		S++	30	a org
	K4576	585442	7090755		S++	35	a org
	K4577	585403	7090737		S++	30	a w
	K4578	585350	7090711		S++	20	a org w
	K4579	585304	7090688		S++	15	a ox b org
	K4580	585267	7090664		S++	50	a w org
	K4581	585219	7090646		S++	30	a? < org
	K4582	585178	7090623		S++	40	a org d
	K4570						
	K4583		Dup for K4570				
	K4580						
	K4584		Dup K4580				
	K4572						
DUP-K4572							
	K4584						
DUP-K4584							

COLOUR	SOIL COMPOSITION	ROCKS
000 115-0/14		
By:	PL, SJ	
rb	si cl gr	qv ox
rb	si cl	qv ox, qms
gb	cl si gr	ox s, cs? Q bands ox
b	cl si gr	qv meta q ox
rb < b	si cl gr	qms ox
lb	si cl	qms ox
rb gb	cl si gr	qv ox s
b	cl si gr	qms ox
bl < lb	cl si gr	qms ox
b	cl	ox s
b	cl	no rocks
b	cl	no rocks
bl < lb	cl	no rocks
bl < lb	cl	no rocks
b lb	cl si gr	no rocks
bl	cl	no rocks
b	cl	no rocks
b	cl	no rocks

COMMENTS	Scheme Code	Ag MMI-M5	As MMI-M5	Au MMI-M5	Ba MMI-M5	Bi MMI-M5
	Analysis Unit	ppb	ppb	ppb	ppb	ppb
	Detection Limit	1	10	0.1	10	1
		31	20	0.1	3911	<1
		91	19	0.2	4244	<1
		30	17	0.2	6337	<1
		2	<10	<0.1	4976	<1
		2	<10	<0.1	2745	<1
Dup 1		16	<10	0.5	12034	<1
		35	<10	0.5	14480	<1
		17	<10	0.3	12671	<1
		2	<10	0.1	4896	<1
		13	<10	0.2	8219	<1
		1	11	0.1	5325	<1
		<1	13	<0.1	9452	<1
		1	<10	<0.1	2941	<1
		2	<10	0.1	2105	<1
		25	25	0.3	11840	<1
Dup 2		2	11	0.2	5161	<1
		12	<10	0.3	4944	<1
		1	16	0.2	7638	<1
		16	<10	0.5	12034	<1
		16	<10	0.4	13613	<1
		2	11	0.2	5161	<1
		<1	<10	0.1	4323	<1
		17	<10	0.3	12671	<1
		16	<10	0.2	11078	<1
		<1	<10	0.1	4323	<1
		1	<10	0.1	4671	<1

Ca MMI-M5	Cd MMI-M5	Ce MMI-M5	Co MMI-M5	Cu MMI-M5	Dy MMI-M5	Er MMI-M5	Eu MMI-M5	Gd MMI-M5
ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
10	10	5	5	10	1	0.5	0.5	1
57	<10	227	32	86	34	11.2	4.2	33
65	<10	184	90	161	18	6	3	19
147	13	769	66	172	96	31.7	19.7	128
47	13	12	181	39	9	5.8	<0.5	3
22	<10	39	99	47	13	6.6	1.2	9
307	<10	640	358	435	134	85	12.1	102
315	<10	2661	57	391	163	69.8	22.4	189
323	52	83	157	463	86	64.4	3.6	39
294	59	39	199	292	51	37.8	2.2	23
272	37	60	133	356	94	64.4	4.2	43
312	209	39	361	355	28	26	2.2	20
222	169	115	1000	105	41	24.1	4	30
288	164	<5	130	212	11	12.3	<0.5	4
313	56	<5	211	2201	<1	0.9	<0.5	<1
423	76	32	334	1307	35	25.3	2.1	22
240	63	73	274	185	32	16.4	3.3	26
392	29	33	325	1213	7	4.1	0.9	7
558	536	50	320	478	17	11.8	2	15
307	<10	640	358	435	134	85	12.1	102
304	<10	587	271	404	164	94.8	14.5	127
240	63	73	274	185	32	16.4	3.3	26
204	83	51	285	125	25	14.5	2.2	18
323	52	83	157	463	86	64.4	3.6	39
272	58	85	174	408	101	64.1	4.6	49
204	83	51	285	125	25	14.5	2.2	18
215	80	56	286	205	26	13.8	2.4	19

La MMI-M5	Mg MMI-M5	Mo MMI-M5	Nb MMI-M5	Nd MMI-M5	Ni MMI-M5	Pb MMI-M5	Pd MMI-M5	Pr MMI-M5
ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	1	5	0.5	1	5	10	1	1
125	17	<5	5	123	73	768	<1	27
98	42	<5	3.7	84	71	665	<1	19
504	62	<5	2	593	157	850	<1	123
6	46	<5	0.9	7	97	209	<1	1
19	19	<5	2.5	24	73	205	<1	5
361	22	<5	<0.5	365	262	382	<1	80
1496	33	<5	<0.5	958	135	711	<1	240
37	15	<5	<0.5	55	494	468	<1	10
17	16	<5	<0.5	28	179	271	<1	5
24	15	<5	<0.5	47	262	285	<1	8
12	56	7	<0.5	33	295	166	<1	6
42	70	<5	1	72	160	132	<1	13
1	16	<5	<0.5	3	186	82	<1	<1
<1	21	10	<0.5	2	561	<10	<1	<1
11	174	14	1.1	27	954	457	<1	4
24	65	7	0.8	53	276	91	<1	9
12	48	5	<0.5	23	363	24	<1	4
17	123	10	1	35	467	224	<1	6
361	22	<5	<0.5	365	262	382	<1	80
331	26	<5	<0.5	335	242	308	<1	74
24	65	7	0.8	53	276	91	<1	9
17	55	<5	0.6	37	207	77	<1	6
37	15	<5	<0.5	55	494	468	<1	10
34	18	<5	<0.5	63	392	592	<1	11
17	55	<5	0.6	37	207	77	<1	6
18	56	<5	0.6	40	231	74	<1	7

Rb MMI-M5 ppb	Sb MMI-M5 ppb	Sm MMI-M5 ppb	Sn MMI-M5 ppb	Sr MMI-M5 ppb	Te MMI-M5 ppb	Th MMI-M5 ppb	Ti MMI-M5 ppb	Tl MMI-M5 ppb
5	1	1	1	10	1	0.5	3	0.5
26	<1	25	<1	401	1	43	2000	<0.5
16	<1	15	<1	447	<1	41.4	1890	<0.5
23	<1	115	<1	889	<1	62.9	962	<0.5
17	<1	2	<1	533	<1	13.3	183	<0.5
14	<1	7	<1	248	<1	27.9	612	<0.5
18	<1	67	<1	1919	<1	6.4	8	<0.5
35	<1	134	<1	2293	<1	30.2	62	<0.5
19	<1	16	<1	2551	<1	5.1	<3	<0.5
23	<1	9	<1	1482	<1	5	<3	<0.5
15	<1	17	<1	1756	<1	6	<3	<0.5
114	<1	11	<1	2291	2	6.2	19	<0.5
38	<1	21	<1	1575	<1	49.2	205	<0.5
17	<1	1	<1	1282	<1	0.9	<3	<0.5
23	<1	<1	<1	827	<1	<0.5	<3	<0.5
544	2	9	2	4453	3	4.6	51	<0.5
25	<1	17	<1	1311	<1	23.6	144	<0.5
10	<1	6	<1	1471	<1	4.5	<3	<0.5
128	1	11	<1	3417	6	10.2	71	<0.5
18	<1	67	<1	1919	<1	6.4	8	<0.5
18	<1	71	<1	1926	2	6.9	14	<0.5
25	<1	17	<1	1311	<1	23.6	144	<0.5
13	<1	12	<1	1222	3	24.1	100	<0.5
19	<1	16	<1	2551	<1	5.1	<3	<0.5
21	<1	21	<1	2297	<1	7.1	<3	<0.5
13	<1	12	<1	1222	3	24.1	100	<0.5
12	<1	13	<1	1258	<1	24.8	102	<0.5

U MMI-M5 ppb	W MMI-M5 ppb	Y MMI-M5 ppb	Yb MMI-M5 ppb	Zn MMI-M5 ppb	Zr MMI-M5 ppb
1	1	5	1	20	5
6	<1	169	4	35	40
5	<1	91	3	124	45
11	<1	454	14	465	47
3	<1	48	4	369	9
6	<1	63	4	232	27
11	<1	648	46	115	<5
19	<1	899	27	42	29
9	<1	467	35	490	<5
15	<1	258	21	981	<5
21	<1	479	35	939	<5
16	<1	153	24	8812	6
37	<1	212	15	1424	54
8	<1	68	9	2501	<5
3	<1	<5	<1	557	<5
13	1	148	17	2302	21
38	<1	168	9	1473	49
17	<1	29	3	483	<5
27	<1	96	9	3923	26
11	<1	648	46	115	<5
10	1	762	48	88	<5
38	<1	168	9	1473	49
49	<1	129	9	1841	39
9	<1	467	35	490	<5
9	<1	525	35	545	<5
49	<1	129	9	1841	39
49	<1	134	8	1672	40

SAMPLE No	GPS W'PT	UTM COORDS EAST	NORTH	ELEV	LAND FORM	DEPTH (cm)	STATE	COLOUR	SOIL COMPOSITION
TRAVERSE K130		GRAND FORKS 1:50,000 115-0/14				GRAND FORKS 1:50,000 115-0/14			
		Sampled: 7-Jul-04		By:		Sampled:		By: PL, SJ	
		Sample Interval (m): 50				Sample Interval (m): 50			
K4359		591107	7089846		S++	30	b <a d org	lb b	si cl gr
K4360		591151	7089814		S++	25	d org a	b	si cl
K4361		591187	7089779		S	25	org a d	b	si cl
K4362		591226	7089740		S	20	b < a d org	lb b	cl si gr
K4363		591268	7089713		S	20	b a d org	b lb	si cl gr
K4364		591297	7089669		S+	10	a b org	b lb	si cl
K4365		591336	7089642		S+	20	d org a	bg	si cl
K4366		591364	7089615		S+	20	b a d org	lb b	si cl
K4367		591413	7089584		S+	20	b <a d org	lb<b	si cl
K4368		591445	7089537		S+	20	a org d	b	si cl
K4369		591482	7089509		S++	25	a org d	b	si cl
K4370		591512	7089474		S++	25	b a d org	lb b	cl si gr
K4371		591556	7089443		F	30	a org w	bl	cl
K4372		591613	7089398		V	30	w b a org	lb b	si cl
K4360									
K4373		Check for K4360							
K4370									
K4374		Check for K4370							
K4368									
DUP-K4368									

NOTE: This line was not intended, however samples did go in for assay.

ROCKS	COMMENTS		Au	Co	Ni	Pd	Ag
		Scheme Code	MMI-B	MMI-B	MMI-B	MMI-B	MMI-B
		Analysis Unit	ppb	ppb	ppb	ppb	ppb
		Detection Limit	0.1	1	3	0.1	0.1
qte carb, smokey q			<0.1	23	37	<0.1	26.9
qte carb lim	Dup is K4373		0.64	3	48	<0.1	62.7
qte carb lim			0.34	2	197	<0.1	34.8
qte car p ox			<0.1	8	29	<0.1	18.3
qte carb			<0.1	5	12	<0.1	29
qte carb lim			<0.1	40	27	<0.1	24.4
qte carb lim, bull qv pox			<0.1	37	20	<0.1	44.2
q smokey			<0.1	6	47	<0.1	13.6
carb s			0.15	16	24	<0.1	67.9
q s, ate carb			<0.1	35	83	<0.1	7.5
ate carb, q			<0.1	23	40	0.1	12.5
qms, qte carb	Dup is K4374		<0.1	8	57	<0.1	17.5
q ser s			<0.1	<1	65	<0.1	2.64
no rocks			<0.1	9	22	<0.1	2.42
			0.64	3	48	<0.1	62.7
			0.59	2	64	<0.1	61.2
			<0.1	8	57	<0.1	17.5
			<0.1	8	77	<0.1	20.2
			<0.1	35	83	<0.1	7.5
			<0.1	32	79	<0.1	8.09

KSL Exploration (Yukon) Limited

Appendix 3

Certificates of Analysis

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Date: 15-JUL-2004
Account: KSLEXP

CERTIFICATE VA04040760

Project: Klondike

P.O. No.:

This report is for 85 Soil samples submitted to our lab in Vancouver, BC, Canada on 30-JUN-2004.

The following have access to data associated with this certificate:

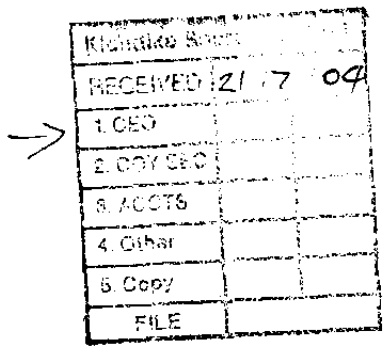
R ADAMSON	ROBERT ADAMSON	PETER LUDWIDG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-42	Screen to -180 um, discard plu
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES



To: **KSL EXPLORATION (YUKON) LTD**
ATTN: R ADAMSON
LEVEL 10
80 ARTHUR STREET
NORTH SYDNEY NSW 2060 AUSTRALI

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

Signature:

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Date: 15-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
-4235		0.10	0.002	0.6	0.82	12	<10	140	<0.5	<2	0.05	<0.5	1	9	12	1.10
-4236		0.16	0.008	0.2	0.83	16	<10	290	<0.5	<2	0.08	<0.5	2	8	5	0.94
-4237		Not Recvd														
-4238		0.14	0.010	<0.2	0.79	12	<10	200	<0.5	<2	0.07	<0.5	<1	9	5	0.88
-4239		Not Recvd														
-4240		0.14	0.012	0.3	0.87	10	<10	390	<0.5	<2	0.14	<0.5	3	11	5	0.91
-4241		0.16	0.015	0.4	0.92	26	<10	120	<0.5	<2	0.08	<0.5	3	13	7	1.19
-4242		0.24	0.022	0.6	0.87	30	<10	170	<0.5	<2	0.07	<0.5	3	12	8	1.41
-4243		0.10	0.008	0.4	1.02	15	<10	340	<0.5	<2	0.09	0.5	4	13	13	1.60
-4244		0.18	0.006	<0.2	0.87	12	<10	170	<0.5	<2	0.07	<0.5	3	12	8	1.47
-4245		0.20	0.004	<0.2	0.95	6	<10	210	<0.5	<2	0.11	<0.5	4	15	9	1.54
-4246		0.16	<0.001	<0.2	0.95	15	<10	180	<0.5	<2	0.08	0.5	5	18	6	3.27
-4247		0.30	0.001	<0.2	0.71	11	<10	180	<0.5	<2	0.03	<0.5	3	6	4	1.44
-4248		0.22	0.001	<0.2	1.08	13	<10	200	<0.5	<2	0.07	<0.5	5	16	7	2.62
-4249		0.26	0.002	<0.2	1.15	10	<10	300	<0.5	<2	0.09	<0.5	5	17	7	1.98
-4250		0.22	0.001	0.3	1.48	12	<10	230	<0.5	<2	0.07	<0.5	11	18	12	2.47
-4251		0.28	0.001	0.2	1.33	16	<10	180	<0.5	<2	0.08	<0.5	4	14	7	2.22
-4252		0.26	0.001	<0.2	0.98	19	<10	230	<0.5	<2	0.06	<0.5	4	9	6	1.56
-4253		0.30	0.002	0.3	1.28	13	<10	280	<0.5	<2	0.08	<0.5	4	14	9	1.88
-4254		0.30	0.001	<0.2	1.22	23	<10	260	<0.5	<2	0.06	<0.5	5	16	8	2.33
-4255		0.30	0.001	<0.2	0.84	23	<10	190	<0.5	<2	0.08	<0.5	4	8	5	1.41
-4256		0.32	0.002	0.2	1.22	19	<10	210	<0.5	<2	0.08	<0.5	4	14	7	1.84
-4257		0.32	0.002	<0.2	0.51	17	<10	190	<0.5	<2	0.07	<0.5	3	5	4	0.97
-4258		0.24	0.005	0.3	0.92	17	<10	260	<0.5	<2	0.11	<0.5	4	14	8	1.62
-4259		0.32	0.003	0.2	1.30	18	<10	270	<0.5	<2	0.10	<0.5	5	18	10	2.10
-4260		0.20	0.003	0.3	1.66	22	<10	300	0.5	<2	0.10	<0.5	7	24	12	2.46
-4261		0.34	0.004	<0.2	0.76	35	<10	170	<0.5	2	0.06	<0.5	3	7	5	1.35
-4262		0.20	0.002	0.5	1.14	10	<10	240	<0.5	<2	0.13	<0.5	21	19	14	2.19
-4263		0.24	0.002	0.3	1.29	6	<10	450	<0.5	<2	0.14	<0.5	10	21	13	2.14
-4264		0.26	0.052	0.2	1.51	8	<10	670	0.5	<2	0.41	<0.5	11	28	19	2.56
-4265		0.30	0.008	<0.2	1.10	13	<10	380	<0.5	<2	0.20	<0.5	6	17	13	1.80
-4266		0.14	0.009	0.2	0.83	11	<10	390	<0.5	2	0.14	<0.5	3	10	4	0.89
-4267		0.20	0.001	0.2	1.42	13	<10	200	<0.5	<2	0.07	<0.5	9	18	10	2.40
-4268		0.24	0.003	0.3	1.80	15	<10	310	0.5	<2	0.10	<0.5	8	26	13	2.60
-4269		0.40	0.010	0.2	0.79	134	<10	130	<0.5	<2	0.07	<0.5	3	11	10	1.42
-4270		0.20	0.008	<0.2	1.06	79	<10	200	<0.5	<2	0.09	<0.5	5	14	13	1.80
-4271		0.28	0.008	<0.2	0.96	15	<10	140	<0.5	<2	0.10	<0.5	4	14	13	1.73
-4272		0.30	0.003	0.5	1.00	13	<10	280	<0.5	<2	0.13	0.5	4	15	16	1.64
-4273		0.26	0.004	<0.2	1.02	10	<10	160	<0.5	<2	0.12	<0.5	5	16	12	1.92
-4274		0.22	0.011	0.2	1.04	8	<10	270	<0.5	<2	0.15	<0.5	4	18	18	1.52

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Date: 15-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
-4235		<10	<1	0.06	20	0.12	75	<1	<0.01	4	460	21	0.02	2	1	7
-4236		<10	<1	0.08	20	0.18	72	1	<0.01	5	340	12	0.02	2	2	9
-4237																
-4238		<10	<1	0.07	20	0.17	49	<1	<0.01	6	330	9	0.02	<2	1	8
-4239																
-4240		<10	1	0.09	20	0.19	83	1	<0.01	8	390	14	0.03	<2	1	16
-4241		<10	1	0.09	20	0.20	58	1	<0.01	7	440	19	0.03	<2	1	10
-4242		<10	1	0.08	40	0.21	114	1	<0.01	8	390	25	0.01	<2	2	8
-4243		<10	1	0.08	30	0.21	146	1	<0.01	10	530	31	0.02	2	1	12
-4244		10	1	0.06	20	0.14	116	1	<0.01	8	490	19	0.02	2	<1	9
-4245		<10	1	0.06	10	0.26	91	<1	<0.01	10	420	9	0.01	<2	<1	13
-4246		10	1	0.07	10	0.26	325	2	<0.01	8	590	16	0.02	2	1	10
-4247		<10	1	0.07	10	0.16	69	1	<0.01	4	160	9	0.01	2	1	5
-4248		10	2	0.07	20	0.22	331	1	<0.01	8	370	11	0.01	<2	2	9
-4249		10	1	0.06	10	0.28	148	1	<0.01	9	240	12	<0.01	2	2	10
-4250		10	1	0.08	10	0.37	734	1	<0.01	12	640	13	0.01	3	3	9
-4251		10	2	0.06	10	0.29	194	1	<0.01	8	440	13	0.01	2	2	9
-4252		<10	1	0.07	20	0.25	210	1	<0.01	6	250	10	<0.01	2	2	8
-4253		10	1	0.09	20	0.27	271	1	<0.01	9	270	12	<0.01	<2	3	10
-4254		10	<1	0.08	20	0.32	239	1	<0.01	10	430	13	<0.01	<2	2	9
-4255		<10	1	0.08	20	0.21	139	1	<0.01	6	230	11	<0.01	<2	2	10
-4256		<10	1	0.08	20	0.29	146	<1	<0.01	8	220	14	<0.01	<2	2	9
-4257		<10	1	0.10	20	0.16	85	<1	<0.01	5	210	9	<0.01	2	1	9
-4258		<10	<1	0.09	20	0.29	120	1	<0.01	10	340	10	<0.01	2	2	14
-4259		<10	1	0.07	20	0.36	161	<1	<0.01	11	170	12	<0.01	<2	2	12
-4260		10	1	0.08	10	0.37	215	<1	<0.01	15	210	12	<0.01	<2	3	13
-4261		<10	<1	0.10	30	0.23	77	1	<0.01	5	140	18	<0.01	2	2	8
-4262		<10	1	0.11	10	0.29	1370	1	<0.01	13	500	10	<0.01	2	2	13
-4263		<10	2	0.06	10	0.35	940	1	<0.01	17	270	8	<0.01	<2	3	14
-4264		<10	1	0.12	10	0.52	540	1	<0.01	22	520	12	<0.01	2	3	34
-4265		<10	<1	0.08	20	0.32	209	1	<0.01	13	290	14	<0.01	<2	3	18
-4266		<10	1	0.08	20	0.19	89	<1	<0.01	8	390	14	<0.01	<2	1	15
-4267		10	1	0.07	10	0.37	563	1	<0.01	12	580	11	<0.01	2	3	8
-4268		10	<1	0.07	10	0.41	226	1	<0.01	17	190	12	<0.01	2	3	13
-4269		<10	<1	0.08	30	0.18	81	1	<0.01	8	250	43	0.01	<2	1	21
-4270		<10	1	0.07	30	0.23	87	1	<0.01	10	320	33	<0.01	2	2	15
-4271		<10	1	0.06	30	0.24	90	1	<0.01	10	280	35	<0.01	2	2	14
-4272		<10	<1	0.06	40	0.25	72	2	<0.01	12	330	126	<0.01	3	2	20
-4273		<10	1	0.05	30	0.27	124	1	<0.01	11	260	25	<0.01	<2	2	13
-4274		<10	1	0.06	40	0.30	78	<1	<0.01	12	310	34	<0.01	2	3	17

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Date: 15-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K-4235		0.02	<10	<10	21	<10	22
K-4236		0.01	<10	<10	14	<10	24
K-4237							
K-4238		0.02	<10	<10	13	<10	21
K-4239							
K-4240		0.02	<10	<10	13	<10	29
K-4241		0.02	<10	<10	19	<10	29
K-4242		0.03	<10	<10	22	<10	31
K-4243		0.03	<10	<10	32	<10	36
K-4244		0.02	<10	<10	36	<10	34
K-4245		0.02	<10	<10	32	<10	28
K-4246		0.09	<10	<10	91	<10	34
K-4247		0.03	<10	<10	24	<10	19
K-4248		0.06	<10	<10	60	<10	27
K-4249		0.05	<10	<10	46	<10	30
K-4250		0.04	<10	<10	42	<10	57
K-4251		0.04	<10	<10	40	<10	45
K-4252		0.02	<10	<10	22	<10	36
K-4253		0.04	<10	<10	37	<10	32
K-4254		0.04	<10	<10	40	<10	39
K-4255		0.03	<10	<10	25	<10	27
K-4256		0.04	<10	<10	33	<10	34
K-4257		0.02	<10	<10	16	<10	20
K-4258		0.04	<10	<10	30	<10	32
K-4259		0.04	<10	<10	37	<10	38
K-4260		0.06	<10	<10	48	<10	41
K-4261		0.01	<10	<10	14	<10	29
K-4262		0.06	<10	<10	45	<10	33
K-4263		0.06	<10	<10	46	<10	37
K-4264		0.06	<10	<10	53	<10	55
K-4265		0.04	<10	<10	35	<10	35
K-4266		0.02	<10	<10	12	<10	28
K-4267		0.04	<10	<10	40	<10	52
K-4268		0.06	<10	<10	50	<10	44
K-4269		0.03	<10	<10	21	<10	36
K-4270		0.02	<10	<10	26	<10	57
K-4271		0.03	<10	<10	28	<10	57
K-4272		0.03	<10	<10	25	<10	59
K-4273		0.04	<10	<10	30	<10	63
K-4274		0.04	<10	<10	27	<10	64

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
K-4275		0.28	0.003	<0.2	0.66	5	<10	130	<0.5	<2	0.07	0.5	3	10	8	0.89
K-4276		0.20	0.004	0.2	1.22	13	<10	360	<0.5	<2	0.14	<0.5	5	16	12	1.73
K-4277		0.12	0.004	0.3	1.32	13	<10	280	<0.5	<2	0.14	<0.5	5	19	21	1.94
K-4278		0.30	0.009	<0.2	1.05	16	<10	170	<0.5	2	0.12	<0.5	5	17	13	1.58
K-4279		0.16	0.004	0.2	0.91	10	<10	170	<0.5	2	0.08	<0.5	3	11	10	1.09
K-4280		0.28	0.002	<0.2	0.53	9	<10	60	<0.5	2	0.04	<0.5	2	5	4	0.66
K-4281		0.34	0.006	<0.2	1.02	21	<10	160	<0.5	2	0.15	<0.5	5	14	7	1.54
K-4282		0.30	0.007	<0.2	1.11	29	<10	200	<0.5	2	0.13	<0.5	4	15	9	1.66
K-4283		0.36	0.010	<0.2	1.06	52	<10	140	<0.5	<2	0.10	<0.5	5	14	10	1.63
K-4284		0.18	0.006	<0.2	1.02	69	<10	180	<0.5	<2	0.09	<0.5	4	14	12	1.66
K-4285		0.34	0.003	<0.2	0.47	9	<10	60	<0.5	<2	0.03	<0.5	2	5	4	0.59
K-4286		0.36	0.001	<0.2	0.84	<2	<10	110	<0.5	<2	0.04	<0.5	1	3	2	0.67
K-4287		0.32	<0.001	<0.2	1.48	6	<10	150	<0.5	<2	0.08	<0.5	4	16	7	2.13
K-4288		0.22	0.002	<0.2	1.32	7	<10	150	<0.5	<2	0.11	<0.5	6	21	10	2.80
K-4289		0.34	0.002	<0.2	2.21	13	<10	210	0.6	<2	0.12	<0.5	11	34	18	3.65
K-4290		0.36	0.001	<0.2	2.38	13	<10	260	0.8	<2	0.31	<0.5	14	25	16	4.03
K-4291		0.34	0.004	<0.2	1.59	8	<10	250	0.5	<2	0.12	<0.5	5	20	13	2.27
K-4292		0.34	0.002	<0.2	0.75	6	<10	100	<0.5	<2	0.06	<0.5	1	10	5	1.26
K-4293		0.34	0.002	<0.2	1.02	3	<10	140	<0.5	<2	0.13	<0.5	5	15	9	1.80
K-4294		0.28	0.001	<0.2	1.45	7	<10	160	<0.5	<2	0.13	<0.5	5	18	9	2.30
K-4295		0.34	0.002	<0.2	1.53	<2	<10	220	0.5	<2	0.20	<0.5	6	23	13	2.36
K-4296		0.34	0.002	<0.2	1.36	9	<10	170	<0.5	<2	0.18	<0.5	7	22	12	2.19
K-4297		0.26	0.003	<0.2	2.04	4	<10	250	0.5	<2	0.39	<0.5	11	41	24	3.13
K-4298		0.36	0.002	<0.2	1.52	6	<10	230	<0.5	<2	0.38	<0.5	10	30	19	2.59
K-4299		0.38	0.002	<0.2	1.87	10	<10	190	<0.5	<2	0.32	<0.5	10	35	15	2.94
K-4300		0.32	0.004	<0.2	1.70	7	<10	230	<0.5	<2	0.45	<0.5	12	32	13	2.86
K-4301		0.38	0.002	<0.2	1.66	2	<10	260	<0.5	<2	0.40	<0.5	10	33	17	2.42
K-4302		0.36	0.003	<0.2	1.37	<2	<10	190	<0.5	<2	0.36	<0.5	8	28	12	2.33
K-4303		0.36	0.002	<0.2	2.01	4	<10	210	0.6	<2	0.24	<0.5	10	24	15	3.55
K-4304		0.34	0.002	<0.2	1.80	5	<10	230	<0.5	<2	0.43	<0.5	11	32	14	2.87
K-4305		0.38	0.002	<0.2	0.87	6	<10	160	<0.5	<2	0.06	<0.5	1	10	6	1.18
K-4306		0.32	0.001	<0.2	0.85	4	<10	160	<0.5	<2	0.04	<0.5	2	11	7	1.72
K-4307		0.28	0.002	<0.2	2.62	12	<10	180	0.5	<2	0.18	<0.5	12	64	22	4.69
K-4308		0.30	0.001	<0.2	2.52	8	<10	170	0.6	<2	0.20	<0.5	12	40	19	3.99
K-4309		0.26	0.004	<0.2	1.80	11	<10	170	<0.5	<2	0.11	<0.5	8	29	14	2.73
K-4310		0.28	0.003	<0.2	1.28	11	<10	120	<0.5	<2	0.08	<0.5	3	18	7	2.01
K-4311		0.22	0.001	<0.2	1.00	5	<10	110	<0.5	<2	0.05	<0.5	3	14	7	1.76
K-4312		0.36	0.003	<0.2	1.24	7	<10	180	<0.5	<2	0.12	<0.5	4	17	11	1.76
K-4313		0.32	0.004	<0.2	1.08	8	<10	170	<0.5	<2	0.11	<0.5	3	15	11	1.64
K-4314		0.30	0.003	<0.2	1.38	7	<10	250	<0.5	<2	0.18	<0.5	4	20	14	1.96

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K-4275		<10	1	0.05	30	0.16	57	<1	<0.01	7	190	21	<0.01	<2	1	9
K-4276		<10	<1	0.06	20	0.27	122	1	<0.01	12	370	26	<0.01	<2	2	16
K-4277		<10	2	0.06	30	0.33	104	1	<0.01	15	320	19	<0.01	<2	3	18
K-4278		<10	1	0.05	30	0.30	99	1	<0.01	11	220	21	<0.01	2	3	13
K-4279		<10	2	0.05	30	0.15	53	1	<0.01	7	320	23	<0.01	<2	<1	12
K-4280		<10	<1	0.05	20	0.08	43	<1	<0.01	3	130	19	<0.01	2	1	6
K-4281		<10	1	0.06	30	0.27	143	1	<0.01	9	250	35	<0.01	<2	2	15
K-4282		<10	1	0.06	30	0.31	124	<1	<0.01	11	240	31	<0.01	<2	2	13
K-4283		<10	1	0.06	30	0.29	125	1	<0.01	11	220	39	<0.01	<2	2	11
K-4284		<10	1	0.07	30	0.22	79	1	<0.01	10	300	30	<0.01	<2	2	15
K-4285		<10	1	0.05	20	0.07	39	<1	<0.01	3	150	18	<0.01	<2	<1	6
K-4286		<10	1	0.04	20	0.21	38	<1	<0.01	1	60	8	<0.01	<2	1	7
K-4287		10	<1	0.04	10	0.42	141	<1	<0.01	9	200	8	<0.01	2	2	13
K-4288		10	1	0.04	10	0.36	150	1	<0.01	11	710	9	<0.01	<2	2	11
K-4289		10	2	0.06	10	0.69	267	1	<0.01	21	420	10	<0.01	2	5	13
K-4290		10	1	0.16	10	1.42	473	1	<0.01	16	1060	5	0.01	3	4	15
K-4291		<10	<1	0.05	20	0.59	178	1	<0.01	8	220	21	0.01	<2	3	12
K-4292		<10	1	0.03	10	0.18	74	1	<0.01	3	120	16	<0.01	<2	1	7
K-4293		<10	<1	0.04	20	0.47	176	1	<0.01	10	240	11	<0.01	<2	2	11
K-4294		10	<1	0.04	10	0.48	169	1	<0.01	11	290	15	<0.01	<2	2	10
K-4295		<10	<1	0.04	20	0.62	220	1	<0.01	12	280	10	<0.01	<2	3	14
K-4296		<10	<1	0.04	10	0.54	193	<1	<0.01	14	310	7	<0.01	<2	3	14
K-4297		10	<1	0.05	10	0.91	281	<1	0.01	21	550	4	0.01	2	4	23
K-4298		<10	2	0.04	10	0.71	291	1	0.01	18	690	6	0.01	<2	4	23
K-4299		10	<1	0.04	10	0.82	250	1	0.01	23	700	4	0.01	<2	3	18
K-4300		10	1	0.06	10	0.77	382	1	0.01	20	870	<2	0.01	<2	3	24
K-4301		<10	1	0.04	10	0.72	440	1	0.01	18	640	5	0.01	<2	4	25
K-4302		<10	<1	0.04	10	0.60	221	1	0.01	16	510	6	0.01	<2	3	21
K-4303		10	<1	0.10	10	1.11	376	1	<0.01	14	930	2	0.01	2	4	13
K-4304		10	1	0.06	10	0.81	321	1	0.01	20	810	2	0.01	<2	3	24
K-4305		<10	<1	0.04	10	0.16	63	<1	<0.01	5	180	10	<0.01	<2	1	8
K-4306		<10	<1	0.03	10	0.17	68	2	<0.01	5	140	30	0.03	2	1	11
K-4307		10	<1	0.04	10	0.69	328	1	<0.01	33	670	8	0.01	<2	4	15
K-4308		10	1	0.08	10	0.96	422	2	<0.01	31	540	3	<0.01	<2	4	17
K-4309		<10	<1	0.04	10	0.39	213	<1	<0.01	21	220	8	<0.01	<2	3	11
K-4310		10	<1	0.04	10	0.25	111	1	<0.01	8	160	7	<0.01	<2	2	9
K-4311		<10	<1	0.05	30	0.27	108	1	<0.01	8	200	18	<0.01	<2	2	7
K-4312		<10	<1	0.05	20	0.35	143	<1	<0.01	10	290	18	0.01	<2	2	12
K-4313		10	<1	0.05	20	0.33	127	1	<0.01	9	270	19	<0.01	<2	2	11
K-4314		<10	<1	0.05	20	0.37	138	1	0.01	15	310	19	<0.01	<2	3	15

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K-4275		0.03	<10	<10	18	<10	44
K-4276		0.03	<10	<10	32	<10	48
K-4277		0.03	<10	<10	35	<10	58
K-4278		0.04	<10	<10	30	<10	41
K-4279		0.02	<10	<10	21	<10	20
K-4280		0.03	<10	<10	19	<10	15
K-4281		0.03	<10	<10	26	<10	38
K-4282		0.04	<10	<10	28	<10	40
K-4283		0.03	<10	<10	26	<10	40
K-4284		0.02	<10	<10	25	<10	55
K-4285		0.02	<10	<10	16	<10	13
K-4286		0.02	<10	<10	17	<10	15
K-4287		0.06	<10	<10	38	<10	37
K-4288		0.08	<10	<10	62	<10	29
K-4289		0.11	<10	<10	76	<10	50
K-4290		0.17	<10	<10	106	<10	57
K-4291		0.07	<10	<10	50	<10	35
K-4292		0.03	<10	<10	27	<10	17
K-4293		0.06	<10	<10	37	<10	32
K-4294		0.09	<10	<10	55	<10	33
K-4295		0.09	<10	<10	54	<10	38
K-4296		0.08	<10	<10	48	<10	38
K-4297		0.13	<10	<10	74	<10	52
K-4298		0.11	<10	<10	60	<10	47
K-4299		0.11	<10	<10	66	<10	49
K-4300		0.12	<10	<10	69	<10	46
K-4301		0.09	<10	<10	55	<10	47
K-4302		0.08	<10	<10	53	<10	45
K-4303		0.14	<10	<10	94	<10	49
K-4304		0.11	<10	<10	65	<10	47
K-4305		0.03	<10	<10	28	<10	16
K-4306		0.03	<10	<10	27	<10	19
K-4307		0.15	<10	<10	113	<10	51
K-4308		0.06	10	<10	62	<10	66
K-4309		0.07	<10	<10	51	<10	46
K-4310		0.06	<10	<10	46	<10	29
K-4311		0.06	<10	<10	42	<10	34
K-4312		0.06	<10	<10	36	<10	41
K-4313		0.05	<10	<10	31	<10	41
K-4314		0.07	<10	<10	38	<10	47

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K-4315		0.30	0.003	<0.2	1.54	6	<10	420	0.5	<2	0.26	<0.5	5	20	19	2.16
K-4316		0.36	0.004	<0.2	1.22	3	<10	260	<0.5	<2	0.23	<0.5	4	19	15	1.92
K-4317		0.26	0.002	<0.2	1.19	9	<10	240	<0.5	<2	0.22	<0.5	6	21	13	1.98
K-4318		0.20	0.003	<0.2	1.26	<2	<10	350	<0.5	<2	0.27	<0.5	5	19	11	1.86
K-4319		0.30	0.001	<0.2	1.06	11	<10	120	<0.5	<2	0.05	<0.5	3	10	6	1.54

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Date: 15-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K-4315		<10	<1	0.06	20	0.41	224	1	<0.01	18	460	21	0.01	<2	3	22
K-4316		<10	<1	0.05	20	0.39	163	1	0.01	14	450	12	0.01	<2	2	19
K-4317		<10	<1	0.06	20	0.41	292	1	<0.01	14	540	23	0.01	<2	2	18
K-4318		<10	<1	0.06	20	0.39	350	1	<0.01	11	540	19	0.03	4	2	23
K-4319		<10	<1	0.05	20	0.21	118	1	<0.01	8	140	6	<0.01	<2	2	6

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Project: Klondike

CERTIFICATE OF ANALYSIS VA04040760

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K-4315		0.06	<10	<10	37	<10	58
K-4316		0.06	<10	<10	39	<10	54
K-4317		0.04	<10	<10	43	<10	54
K-4318		0.04	<10	<10	38	<10	52
K-4319		0.01	<10	<10	20	<10	27

SGS

CERTIFICATE OF ANALYSIS

Work Order: 078253

To: **KSL Exploration Limited**
Attn: R G Adamson
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 15/07/04

Copy 1 to :

P.O. No.	:	
Project No.	:	KLONDIKE
No. of Samples	:	34 Soil (MMI)
Date Submitted	:	30/06/04
Report Comprises	:	Cover Sheet plus Pages 1 to 2

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

FOR Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 078253 **Date:** 15/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4286	<0.1	3	7	<0.1	1.52
K4287	<0.1	4	3	<0.1	2.73
K4288	<0.1	5	7	<0.1	0.62
K4289	<0.1	6	6	<0.1	1.70
K4290	<0.1	6	10	<0.1	3.94
K4291	<0.1	4	16	<0.1	6.47
K4292	<0.1	5	6	<0.1	1.12
K4293	<0.1	7	7	<0.1	2.77
K4294	<0.1	5	9	<0.1	2.78
K4295	<0.1	8	16	<0.1	17.9
K4296	<0.1	9	14	<0.1	2.41
K4297	<0.1	19	25	<0.1	3.45
K4298	<0.1	22	15	<0.1	7.48
K4299	<0.1	16	19	<0.1	8.32
K4300	<0.1	9	74	<0.1	8.69
K4301	<0.1	6	143	<0.1	9.97
K4302	<0.1	18	63	<0.1	9.43
K4303	<0.1	6	10	<0.1	2.20
K4304	<0.1	3	44	<0.1	4.67
K4305	<0.1	13	33	<0.1	1.79
K4306	<0.1	30	29	<0.1	0.63
K4307	<0.1	5	10	<0.1	1.34
K4308	<0.1	7	33	0.11	4.09
K4309	<0.1	13	31	<0.1	1.17
K4310	<0.1	6	12	<0.1	3.87
K4311	<0.1	2	3	<0.1	0.82
K4312	<0.1	5	6	<0.1	0.25
K4313	<0.1	12	17	<0.1	1.77
K4314	<0.1	51	30	0.15	1.52
K4315	0.11	68	80	<0.1	4.36

SGS

Work Order: 078253 **Date:** 15/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4316	<0.1	38	39	0.12	2.23
K4317	<0.1	29	38	0.13	3.82
K4318	<0.1	223	114	0.20	1.07
K4319	<0.1	7	12	<0.1	2.26
*Dup K4286	<0.1	3	6	<0.1	1.44
*Dup K4298	<0.1	24	18	<0.1	8.17
*Dup K4310	<0.1	4	9	<0.1	3.14
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.1	34	161	27.6	18.1

SGS

[illegible]		
[illegible]		
7. Other		
8. Copy		
FILE		

CERTIFICATE OF ANALYSIS

Work Order: 078254

To: **KSL Exploration Limited**
Attn: **R G Adamson**
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 06/08/04

Copy 1 to :

P.O. No.	:	
Project No.	:	KLONDIKE
No. of Samples	:	51 Soil (MMI)
Date Submitted	:	30/06/04
Report Comprises	:	Cover Sheet plus Pages 1 to 6

Note:
Duplicate results outside acceptance criteria due to sample inhomogeneity.

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4235	<1	12	<0.1	980	1	23	<10	<5	19	17	<1	<0.5	<0.5	<1	<1
K4236	2	46	0.3	5889	1	64	<10	41	72	28	3	2.2	0.7	3	16
K4237	<1	18	0.1	3769	<1	41	<10	24	42	20	2	1.2	<0.5	2	11
K4238	1	90	0.4	4528	<1	52	<10	58	36	429	4	2.2	1.0	5	27
K4239	<1	39	0.1	3965	<1	36	<10	59	30	71	6	3.8	0.7	6	27
K4240	1	216	0.4	4454	1	51	<10	101	47	162	9	7.1	1.7	9	37
K4241	2	161	1.1	4008	3	82	<10	19	36	131	3	1.5	0.6	3	19
K4242	7	211	0.6	5554	3	<10	11	275	71	81	29	12.7	7.4	40	206
K4243	1	15	<0.1	3021	2	56	24	89	45	92	9	5.5	1.3	9	27
K4244	<1	13	<0.1	5632	<1	121	23	10	87	30	2	3.3	<0.5	1	6
K4245	2	14	<0.1	9806	2	70	<10	29	188	41	4	3.6	<0.5	3	21
K4246	<1	<10	<0.1	2508	1	38	13	<5	72	44	<1	0.9	<0.5	<1	2
K4247	1	<10	<0.1	11410	1	199	32	6	122	43	2	2.3	<0.5	<1	3
K4248	3	<10	<0.1	14680	1	137	28	5	178	123	7	8.9	<0.5	2	4
K4249	2	<10	<0.1	13370	1	93	21	57	403	55	13	14.1	<0.5	7	32
K4250	30	19	<0.1	7273	<1	92	37	214	151	497	81	47.7	10.0	49	39
K4251	15	23	0.1	21840	3	286	186	150	1005	402	16	14.0	<0.5	8	35
K4252	2	<10	<0.1	7293	<1	149	49	31	403	237	36	34.0	1.2	12	15
K4253	46	14	<0.1	16640	<1	327	21	181	59	346	82	39.5	10.7	67	80
K4254	4	11	<0.1	5014	<1	64	21	67	103	159	31	14.3	2.5	19	32
K4255	5	<10	<0.1	12680	<1	218	10	11	324	71	9	10.6	<0.5	2	6
K4256	3	<10	<0.1	17350	1	267	25	11	237	77	3	3.6	<0.5	2	8
K4257	5	12	<0.1	27640	<1	1090	222	54	179	231	13	7.4	1.1	14	20
K4258	7	33	0.2	8259	<1	44	31	370	323	82	43	20.4	8.5	51	186
K4259	2	<10	<0.1	7236	<1	134	<10	19	65	83	13	7.5	<0.5	6	11
K4260	5	<10	0.1	5090	<1	161	<10	13	172	99	14	9.2	1.1	6	6
K4261	15	26	0.1	8915	1	330	111	24	267	215	28	23.1	2.4	14	9
K4262	52	14	0.1	4051	<1	187	20	181	259	291	21	10.3	4.4	23	88
K4263	10	12	0.2	21410	1	357	43	64	355	796	44	35.0	1.9	19	11
K4264	2	<10	<0.1	9471	<1	609	36	50	130	154	8	3.4	1.1	10	13

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4265	4	12	0.3	11230	<1	377	42	54	189	703	92	80.2	6.6	36	16
K4266	2	457	0.8	7286	3	131	12	200	117	516	23	17.2	4.1	19	69
K4267	18	<10	<0.1	4041	<1	25	14	263	134	199	40	19.0	5.0	29	61
K4268	5	<10	0.1	9865	<1	173	<10	12	317	83	9	10.3	<0.5	2	7
K4269	9	702	1.4	2172	1	14	<10	266	99	682	17	7.1	4.2	20	121
K4270	4	129	0.5	1931	<1	24	<10	90	32	332	12	6.9	2.8	13	41
K4271	5	27	0.3	1654	<1	25	<10	47	27	473	8	4.4	1.1	8	24
K4272	1	38	0.2	2929	<1	46	12	74	55	582	6	4.1	1.1	8	42
K4273	4	40	0.2	2703	<1	34	<10	148	91	671	17	9.7	2.5	21	67
K4274	6	33	0.7	5918	<1	55	<10	236	59	1624	24	13.9	2.6	27	109
K4275	4	27	0.1	2191	1	30	23	419	52	171	53	23.0	8.8	72	243
K4276	4	11	0.3	6571	<1	79	<10	43	88	690	4	3.8	0.7	5	20
K4277	5	12	0.2	4337	<1	83	<10	53	78	680	4	4.7	0.6	5	26
K4278	9	100	0.7	3762	2	48	<10	1749	92	729	132	60.4	35.7	197	767
K4279	2	10	<0.1	1440	<1	23	<10	34	13	35	4	1.8	<0.5	4	23
K4280	2	28	0.1	618	1	19	11	135	24	85	36	17.7	3.9	27	73
*Blk BLANK	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1
*Std MMISRM14	19	10	48.7	72	<1	303	<10	19	60	772	3	0.9	1.0	5	4
K4281	13	59	1.3	2882	1	214	11	1296	327	196	91	38.0	27.2	169	943
K4282	10	62	1.0	3986	<1	84	<10	247	62	303	41	25.2	8.0	43	167
K4283	9	81	1.0	1476	<1	36	<10	199	40	300	19	11.4	4.5	22	126
K4284	4	35	0.6	2492	<1	27	<10	46	23	305	5	3.2	<0.5	5	24
K4285	2	52	0.1	609	2	14	<10	488	10	55	41	12.8	7.0	61	328
*Dup K4235	<1	<10	0.1	1077	<1	27	10	<5	12	<10	<1	<0.5	<0.5	<1	2
*Dup K4247	<1	<10	0.1	5699	<1	72	10	<5	51	22	1	1.4	<0.5	<1	2
*Dup K4259	2	<10	0.2	8753	<1	174	<10	17	94	99	8	7.6	<0.5	3	9
*Dup K4271	6	24	0.4	2282	<1	26	<10	54	33	542	7	5.0	0.7	7	29
*Dup K4283	13	104	1.2	2048	<1	31	<10	419	69	224	50	29.4	8.1	49	269
*Blk BLANK	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Std MMISRM14	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4235	<5	2.2	2	51	15	<1	<1	18	<1	<1	<1	8	16.7	316	<0.5
K4236	<5	1.9	15	71	27	<1	3	9	<1	4	<1	2	48.0	216	<0.5
K4237	<5	0.5	9	33	19	<1	2	12	<1	2	<1	2	15.0	143	<0.5
K4238	135	2.4	23	63	22	<1	5	<5	1	5	<1	<1	27.3	556	<0.5
K4239	<5	0.6	21	45	27	<1	5	6	1	5	<1	<1	28.7	190	<0.5
K4240	5	4.4	41	121	144	<1	9	8	1	9	<1	<1	84.5	623	<0.5
K4241	12	6.9	13	80	56	<1	3	62	2	3	<1	<1	62.4	877	<0.5
K4242	11	12.3	156	71	390	<1	36	44	3	34	<1	<1	273	1890	<0.5
K4243	<5	3.6	30	63	1234	<1	7	12	<1	7	<1	<1	35.4	1810	<0.5
K4244	<5	3.7	6	192	70	<1	1	24	1	2	<1	<1	31.8	664	<0.5
K4245	17	6.7	12	175	64	1	3	36	1	3	<1	<1	43.2	3090	<0.5
K4246	6	3.2	1	46	46	<1	<1	54	<1	<1	<1	<1	6.8	1550	<0.5
K4247	<5	5.1	2	101	37	<1	<1	10	1	<1	<1	<1	37.4	893	<0.5
K4248	<5	3.1	3	146	99	<1	<1	23	<1	1	<1	<1	8.7	907	<0.5
K4249	<5	1.1	23	261	191	<1	6	26	<1	5	<1	<1	26.5	506	<0.5
K4250	<5	<0.5	126	568	629	<1	20	154	1	39	<1	<1	58.8	248	<0.5
K4251	7	3.4	22	641	1029	<1	5	209	1	5	<1	<1	45.3	1220	0.5
K4252	<5	<0.5	18	222	306	<1	4	44	<1	6	<1	<1	23.5	172	<0.5
K4253	<5	1.7	135	371	824	<1	25	62	1	40	<1	<1	65.2	448	<0.5
K4254	7	0.9	33	163	1160	<1	7	23	<1	9	<1	<1	29.3	485	<0.5
K4255	<5	<0.5	4	346	98	<1	<1	8	<1	1	<1	<1	10.5	61	<0.5
K4256	<5	0.9	4	328	48	<1	1	<5	<1	1	<1	<1	9.9	294	<0.5
K4257	61	<0.5	26	224	125	<1	5	245	1	8	<1	<1	2.4	114	<0.5
K4258	7	2.6	192	231	464	<1	42	33	1	42	<1	2	45.8	1100	<0.5
K4259	<5	0.7	11	146	286	<1	2	6	<1	3	<1	3	18.4	222	<0.5
K4260	<5	<0.5	11	243	331	<1	2	10	<1	4	<1	1	24.5	72	<0.5
K4261	6	1.2	32	634	2549	<1	5	17	1	11	<1	3	54.9	471	<0.5
K4262	<5	1.5	91	251	696	<1	22	94	<1	21	<1	<1	27.0	590	<0.5
K4263	<5	0.7	31	1525	710	<1	5	18	1	12	<1	2	64.8	189	<0.5
K4264	<5	<0.5	18	174	82	<1	3	98	<1	6	<1	<1	6.9	76	<0.5

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4265	<5	<0.5	59	501	705	<1	9	20	<1	25	<1	<1	49.8	46	<0.5
K4266	20	10.4	89	328	318	<1	19	11	4	22	<1	1	189	1550	<0.5
K4267	<5	0.7	84	236	443	<1	17	93	<1	21	<1	<1	40.4	465	<0.5
K4268	<5	<0.5	6	402	214	<1	1	14	<1	2	<1	<1	33.9	54	<0.5
K4269	6	5.3	111	110	495	1	27	112	3	24	<1	<1	321	1100	<0.5
K4270	6	1.6	53	51	178	<1	11	39	1	15	<1	<1	121	418	<0.5
K4271	<5	1.9	25	57	71	1	6	43	1	7	<1	<1	89.2	523	<0.5
K4272	<5	3.5	42	109	48	<1	10	16	2	9	<1	<1	52.6	569	<0.5
K4273	<5	2.2	62	118	91	<1	14	37	2	15	<1	<1	97.5	825	<0.5
K4274	<5	1.2	104	164	54	<1	24	35	1	23	<1	<1	107	392	<0.5
K4275	<5	4.0	268	61	1085	<1	64	42	<1	60	<1	<1	103	1250	<0.5
K4276	<5	0.6	28	89	<10	<1	6	26	<1	6	<1	<1	44.5	98	<0.5
K4277	<5	<0.5	31	121	<10	<1	7	10	<1	6	<1	<1	30.1	114	<0.5
K4278	13	5.6	1200	118	1050	<1	256	89	3	254	<1	<1	266	2190	<0.5
K4279	<5	1.3	18	25	13	<1	4	8	<1	4	<1	<1	27.7	370	<0.5
K4280	<5	3.9	102	54	2472	<1	21	27	<1	26	<1	<1	94.8	1180	<0.5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<1	<1	<1	<0.5	<3	<0.5
*Std MMISRM14	31	<0.5	13	328	139	60	2	258	1	4	<1	2	19.7	4	<0.5
K4281	<5	2.0	1123	134	3631	<1	243	41	2	236	<1	6	235	706	<0.5
K4282	5	2.1	212	70	438	2	47	37	1	50	<1	4	170	578	<0.5
K4283	<5	2.3	138	54	392	<1	31	48	1	29	<1	2	147	583	<0.5
K4284	<5	0.7	20	40	17	<1	5	28	<1	5	<1	2	63.5	127	<0.5
K4285	<5	7.0	234	23	1733	2	59	41	1	46	1	<1	89.3	3550	<0.5
*Dup K4235	<5	1.5	2	36	<10	<1	<1	19	<1	<1	<1	<1	13.6	275	<0.5
*Dup K4247	7	1.8	1	44	19	<1	<1	5	<1	<1	<1	<1	16.3	358	<0.5
*Dup K4259	<5	0.7	10	252	186	<1	2	7	<1	3	<1	<1	22.7	121	<0.5
*Dup K4271	9	1.6	27	71	66	1	7	57	1	6	<1	<1	98.8	427	<0.5
*Dup K4283	<5	2.4	227	66	1897	1	55	68	1	48	<1	<1	184	870	<0.5
*Blk BLANK	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
*Std MMISRM14	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4235	2	<5	<1	77	52
K4236	<1	21	4	229	60
K4237	<1	9	1	141	27
K4238	<1	24	3	201	44
K4239	<1	27	4	115	24
K4240	<1	69	8	410	84
K4241	<1	13	3	466	117
K4242	1	122	10	662	184
K4243	<1	35	3	2022	43
K4244	<1	17	6	519	142
K4245	<1	19	4	169	97
K4246	<1	<5	1	1836	48
K4247	<1	13	3	1425	105
K4248	<1	47	11	794	78
K4249	<1	80	18	117	42
K4250	<1	610	35	405	129
K4251	<1	119	11	2155	131
K4252	<1	170	28	540	31
K4253	<1	412	24	321	85
K4254	<1	139	9	280	32
K4255	<1	46	10	142	16
K4256	<1	16	5	704	57
K4257	<1	69	6	5885	28
K4258	1	190	13	286	45
K4259	<1	60	5	37	19
K4260	<1	101	8	119	35
K4261	<1	241	23	715	84
K4262	<1	114	6	570	61
K4263	<1	291	28	868	106
K4264	<1	36	3	179	25

SGS

Work Order: 078254 **Date:** 06/08/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4265	<1	777	82	690	46
K4266	2	175	21	1466	204
K4267	<1	190	11	154	60
K4268	<1	71	11	75	39
K4269	<1	65	6	218	233
K4270	<1	64	7	305	90
K4271	<1	29	5	93	78
K4272	<1	34	5	259	85
K4273	<1	71	8	299	123
K4274	<1	94	12	180	101
K4275	<1	213	16	658	91
K4276	<1	29	5	199	71
K4277	<1	33	7	157	59
K4278	<1	937	49	281	278
K4279	<1	12	2	<20	25
K4280	<1	205	14	201	82
*Blk BLANK	<1	<5	<1	<20	<5
*Std MMISRM14	3	9	<1	442	16
K4281	2	609	33	150	143
K4282	<1	311	26	215	124
K4283	<1	122	11	53	122
K4284	<1	20	3	87	40
K4285	<1	121	7	152	76
*Dup K4235	<1	<5	<1	138	46
*Dup K4247	<1	6	2	369	26
*Dup K4259	<1	63	8	64	35
*Dup K4271	<1	29	5	76	81
*Dup K4283	<1	242	21	735	127
*Blk BLANK	n.a.	n.a.	n.a.	n.a.	n.a.
*Std MMISRM14	n.a.	n.a.	n.a.	n.a.	n.a.

SGS

1. CEO		
2. COY SEC		
3. ACCTS		
4. Other		
5. Copy		
FILE		

CERTIFICATE OF ANALYSIS

Work Order: 078484

To: KSL Exploration Limited
Attn: Peter Kslexplyuk
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 24/07/04

Copy 1 to : info@klondikesource.com.au

P.O. No. :
Project No. :
No. of Samples : 85 Soil (MMI)
Date Submitted : 14/07/04
Report Comprises : Cover Sheet plus
Pages 1 to 4

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 078484 **Date:** 24/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4320	<0.1	5	4	<0.1	0.65
K4321	<0.1	11	12	<0.1	3.03
K4322	<0.1	27	20	0.12	1.31
K4323	<0.1	26	14	<0.1	2.83
K4324	<0.1	12	9	<0.1	6.23
K4325	<0.1	8	7	<0.1	1.83
K4326	<0.1	17	13	<0.1	1.85
K4327	<0.1	9	7	<0.1	1.81
K4328	<0.1	22	11	<0.1	1.92
K4329	<0.1	20	12	<0.1	18.8
K4330	<0.1	14	11	<0.1	6.88
K4331	<0.1	9	8	<0.1	7.01
K4332	<0.1	15	12	<0.1	4.47
K4333	<0.1	11	9	<0.1	3.17
K4334	<0.1	15	12	<0.1	2.73
K4335	<0.1	16	11	<0.1	0.48
K4336	<0.1	30	11	<0.1	0.87
K4337	<0.1	8	13	<0.1	0.95
K4338	<0.1	5	14	<0.1	0.95
K4339	<0.1	4	5	<0.1	0.48
K4340	<0.1	6	6	<0.1	1.66
K4341	<0.1	4	5	<0.1	0.77
K4342	<0.1	6	8	<0.1	0.16
K4343	<0.1	9	8	<0.1	0.76
K4344	<0.1	10	11	<0.1	1.45
K4345	<0.1	13	11	<0.1	2.22
K4346	<0.1	6	4	<0.1	0.35
K4347	<0.1	12	11	<0.1	9.07
K4348	<0.1	7	8	<0.1	0.36
K4349	<0.1	11	8	<0.1	0.16

SGS

Work Order: 078484 **Date:** 24/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4350	<0.1	26	22	<0.1	2.19
K4351	<0.1	10	11	<0.1	0.91
K4352	<0.1	2	57	<0.1	9.52
K4353	<0.1	1	21	<0.1	10.1
K4354	<0.1	10	56	<0.1	11.9
K4355	<0.1	2	16	<0.1	10.8
K4356	<0.1	<1	123	<0.1	9.25
K4357	<0.1	<1	43	<0.1	0.60
K4358	<0.1	28	21	<0.1	1.63
K4359	<0.1	23	37	<0.1	26.9
K4360	0.64	3	48	<0.1	62.7
K4361	0.34	2	197	<0.1	34.8
K4362	<0.1	8	29	<0.1	18.3
K4363	<0.1	5	12	<0.1	29.0
K4364	<0.1	40	27	<0.1	24.4
K4365	<0.1	37	20	<0.1	44.2
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.5	38	202	36.3	20.2
K4366	<0.1	6	47	<0.1	13.6
K4367	0.15	16	24	<0.1	67.9
K4368	<0.1	35	83	<0.1	7.50
K4369	<0.1	23	40	0.10	12.5
K4370	<0.1	8	57	<0.1	17.5
K4371	<0.1	<1	65	<0.1	2.64
K4372	<0.1	9	22	<0.1	2.42
K4373	0.59	2	64	<0.1	61.2
K4374	<0.1	8	77	<0.1	20.2
K4375	<0.1	18	21	<0.1	7.53
K4376	<0.1	40	19	<0.1	2.20
K4377	<0.1	40	22	<0.1	2.48

SGS

Work Order: 078484 **Date:** 24/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4378	<0.1	45	27	<0.1	0.96
K4379	<0.1	4	18	<0.1	8.52
K4380	<0.1	2	22	<0.1	6.68
K4381	<0.1	12	15	<0.1	1.81
K4382	<0.1	6	18	<0.1	7.21
K4383	<0.1	12	15	<0.1	2.84
K4384	<0.1	17	17	<0.1	2.00
K4385	<0.1	32	23	<0.1	2.34
K4386	<0.1	3	22	<0.1	8.68
K4387	<0.1	4	4	<0.1	4.39
K4388	<0.1	3	9	<0.1	53.2
K4389	<0.1	9	16	<0.1	3.60
K4390	<0.1	4	26	<0.1	26.4
K4391	<0.1	3	26	<0.1	23.8
K4392	<0.1	7	31	<0.1	20.4
K4393	<0.1	33	35	<0.1	78.9
K4394	<0.1	5	30	<0.1	29.3
K4395	<0.1	8	27	<0.1	29.9
K4396	0.11	25	35	<0.1	127
K4397	0.22	3	76	<0.1	50.7
K4398	<0.1	8	42	<0.1	17.4
K4399	<0.1	7	65	<0.1	15.1
K4400	<0.1	2	119	<0.1	103
K4401	<0.1	7	29	<0.1	10.4
K4402	<0.1	2	62	<0.1	3.08
K4403	<0.1	5	30	<0.1	27.5
K4404	<0.1	4	79	<0.1	62.6
*Dup K4320	<0.1	5	4	<0.1	0.44
*Dup K4332	<0.1	14	13	<0.1	5.09
*Dup K4344	<0.1	11	13	<0.1	1.54

SGS

Work Order: 078484 **Date:** 24/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Dup K4356	<0.1	<1	133	<0.1	10.4
*Dup K4368	<0.1	32	79	<0.1	8.09
*Dup K4380	<0.1	2	24	<0.1	7.29
*Dup K4392	<0.1	6	28	<0.1	19.1
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	41.2	38	220	40.3	19.8
*Dup K4404	<0.1	4	91	<0.1	61.5
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.5	37	215	38.4	19.6

SGS

[illegible]		
[illegible]		
4. Other		
5. Copy		
FILE		

CERTIFICATE OF ANALYSIS

Work Order: 078665

To: **KSL Exploration Limited**
Attn: Peter Kslexplyuk
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 28/07/04

Copy 1 to :

P.O. No.	:	
Project No.	:	Klondike
No. of Samples	:	91 Soil (MMI)
Date Submitted	:	21/07/04
Report Comprises	:	Cover Sheet plus Pages 1 to 4

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By : [signature]

For Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

Subject to SGS General Terms and Conditions

SGS

Work Order: 078665 **Date:** 28/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4405	<0.1	5	17	<0.1	33.4
K4406	<0.1	22	7	<0.1	4.13
K4407	0.11	3	19	<0.1	53.0
K4408	<0.1	13	15	<0.1	24.1
K4409	<0.1	10	18	<0.1	109
K4410	<0.1	11	45	<0.1	14.6
K4411	<0.1	10	49	<0.1	20.2
K4412	0.22	2	114	<0.1	23.6
K4413	0.12	4	93	<0.1	26.4
K4414	0.16	1	117	<0.1	24.6
K4415	0.28	7	88	<0.1	25.8
K4416	<0.1	3	41	<0.1	11.3
K4417	0.27	2	212	<0.1	22.6
K4418	<0.1	5	56	<0.1	75.1
K4419	<0.1	6	23	<0.1	25.7
K4420	<0.1	9	67	<0.1	35.8
K4421	<0.1	3	106	<0.1	11.7
K4422	<0.1	12	40	<0.1	22.1
K4423	<0.1	4	81	<0.1	43.5
K4424	<0.1	10	10	<0.1	3.29
K4425	<0.1	10	9	<0.1	0.48
K4426	<0.1	4	9	<0.1	2.63
K4427	<0.1	19	18	0.19	2.82
K4428	0.16	10	12	<0.1	7.43
K4429	0.16	12	15	0.19	4.07
K4430	0.11	11	10	<0.1	1.73
K4431	<0.1	15	19	<0.1	2.66
K4432	<0.1	12	13	<0.1	0.94
K4433	<0.1	12	15	<0.1	3.25
K4434	<0.1	16	20	<0.1	1.14

SGS

Work Order: 078665 **Date:** 28/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4435	<0.1	9	11	<0.1	3.15
K4436	<0.1	26	20	0.14	3.09
K4437	<0.1	32	18	<0.1	0.73
K4438	<0.1	36	15	<0.1	4.13
K4439	<0.1	38	27	<0.1	0.41
K4440	<0.1	26	16	<0.1	2.43
K4441	<0.1	39	18	<0.1	3.12
K4442	<0.1	20	78	<0.1	4.88
K4443	<0.1	34	53	<0.1	4.30
K4444	0.10	32	88	0.21	8.81
K4445	<0.1	9	53	<0.1	4.30
K4446	<0.1	3	28	<0.1	2.15
K4447	<0.1	5	25	<0.1	3.34
K4448	<0.1	5	57	<0.1	3.59
K4449	0.12	5	357	0.15	10.8
K4450	<0.1	3	103	<0.1	5.04
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	41.1	34	180	28.8	20.4
K4451	0.10	9	8	<0.1	1.99
K4452	<0.1	26	17	<0.1	3.65
K4453	<0.1	3	65	<0.1	3.14
K4454	<0.1	13	12	<0.1	0.86
K4455	<0.1	7	12	0.11	0.86
K4456	<0.1	5	6	<0.1	0.29
K4457	<0.1	6	16	0.12	15.7
K4458	<0.1	3	10	<0.1	1.70
K4459	<0.1	24	23	0.20	1.02
K4460	<0.1	12	10	<0.1	0.98
K4461	<0.1	10	11	<0.1	1.45
K4462	<0.1	10	10	<0.1	4.98

SGS

Work Order: 078665 **Date:** 28/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4463	<0.1	9	9	<0.1	0.72
K4464	<0.1	8	9	<0.1	1.29
K4465	<0.1	22	16	0.13	3.28
K4466	<0.1	5	7	<0.1	0.38
K4467	<0.1	10	15	0.18	0.41
K4468	<0.1	16	18	0.15	2.55
K4469	<0.1	19	18	<0.1	0.61
K4470	<0.1	10	13	<0.1	24.0
K4471	<0.1	17	14	<0.1	1.61
K4472	<0.1	11	15	0.17	1.43
K4473	<0.1	23	31	<0.1	1.47
K4474	<0.1	7	7	<0.1	0.39
K4475	<0.1	23	21	<0.1	0.88
K4476	<0.1	37	23	0.20	0.89
K4477	<0.1	19	15	0.20	0.75
K4478	<0.1	11	7	<0.1	0.34
K4479	<0.1	8	8	<0.1	0.28
K4480	<0.1	31	20	0.16	0.27
K4481	<0.1	14	14	<0.1	10.4
K4482	<0.1	31	28	<0.1	0.21
K4483	<0.1	24	24	0.20	0.73
K4484	<0.1	12	12	<0.1	<0.1
K4485	<0.1	63	31	0.15	0.23
K4486	<0.1	7	15	<0.1	1.44
K4487	<0.1	19	18	<0.1	0.25
K4488	<0.1	17	17	0.15	0.35
K4489	<0.1	8	11	<0.1	0.42
K4490	<0.1	26	23	0.18	0.24
K4491	<0.1	18	20	0.14	0.86
K4492	<0.1	13	10	<0.1	0.11

SGS

Work Order: 078665 **Date:** 28/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4493	0.11	5	14	<0.1	52.9
K4494	<0.1	19	14	0.13	0.28
K4495	<0.1	15	16	0.18	0.76
*Dup K4405	<0.1	5	22	<0.1	38.0
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.9	35	187	29.7	20.4
*Dup K4417	0.29	2	221	<0.1	21.3
*Dup K4429	0.11	14	19	0.17	3.85
*Dup K4441	<0.1	37	18	<0.1	3.38
*Dup K4453	<0.1	3	72	<0.1	3.53
*Dup K4465	<0.1	23	15	0.17	3.82
*Dup K4477	<0.1	19	16	<0.1	0.86
*Dup K4489	<0.1	9	14	<0.1	0.27
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.9	33	183	29.2	19.9

SGS

CERTIFICATE OF ANALYSIS

Work Order: 079225

To: **KSL Exploration Limited**
Attn: Peter Kslexplyuk
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 09/09/04

Copy 1 to :

P.O. No.	:	
Project No.	:	Klondike
No. of Samples	:	73 Soil (MMI)
Date Submitted	:	11/08/04
Report Comprises	:	Cover Sheet plus Pages 1 to 9

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4515	8	13	0.6	3650	<1	53	33	18	252	320	287	197	9.3	72	7
K4516	<1	58	<0.1	4725	2	13	<10	71	116	82	17	8.8	1.6	11	38
K4517	13	122	0.8	3143	<1	15	<10	307	39	95	46	15.3	8.2	48	155
K4518	11	94	0.3	2899	<1	11	<10	134	30	91	31	10.9	4.3	28	68
K4519	26	42	0.4	1765	<1	11	<10	192	32	70	29	10.6	4.6	30	104
K4520	33	44	0.2	1956	<1	<10	10	200	43	99	51	20.2	5.2	34	61
K4521	11	39	0.2	2753	<1	12	11	176	64	98	52	19.4	6.5	47	73
K4522	28	51	0.3	2111	1	<10	<10	442	23	100	49	17.1	8.0	54	216
K4523	6	12	<0.1	2374	<1	<10	12	26	66	87	39	20.7	1.8	16	12
K4524	7	45	<0.1	4294	1	<10	18	201	132	184	72	34.0	5.9	43	114
K4525	20	107	0.5	3931	<1	<10	<10	605	36	123	69	23.2	14.0	91	310
K4526	<1	<10	<0.1	3552	<1	<10	<10	15	77	22	5	6.1	<0.5	2	8
K4527	4	30	0.2	4023	<1	27	<10	853	90	124	137	48.3	25.0	164	362
K4528	2	<10	<0.1	3464	<1	13	<10	21	129	46	31	23.9	0.9	8	10
K4529	5	34	0.3	2713	<1	16	<10	432	55	80	96	36.9	13.8	94	189
K4530	12	<10	0.1	1695	<1	34	<10	19	83	88	53	30.0	2.3	20	6
K4531	37	213	0.8	4677	<1	<10	48	749	119	1065	274	131	22.0	156	178
K4532	19	16	<0.1	5013	<1	86	23	240	27	221	81	31.1	8.2	59	45
K4533	24	25	0.2	3516	<1	55	18	339	51	188	112	40.0	13.8	97	125
K4534	2	48	0.2	5559	2	21	35	526	243	206	121	72.6	16.5	113	172
K4535	7	<10	0.1	3051	<1	19	<10	36	53	85	19	15.4	0.8	6	14
K4618	2	<10	<0.1	4569	<1	91	<10	<5	85	<10	1	5.5	<0.5	<1	<1
K4619	12	<10	0.1	9482	<1	217	36	592	60	272	148	88.3	12.5	113	342
K4620	15	<10	<0.1	6936	<1	143	54	68	29	180	213	130	9.1	88	24
K4621	8	257	0.7	19250	1	137	254	1055	1919	510	346	222	42.2	269	381
K4622	5	39	<0.1	12450	<1	124	228	566	3892	272	158	105	17.9	112	232
K4623	21	<10	0.2	11770	<1	255	167	174	213	589	115	82.3	7.5	72	83
K4624	30	<10	0.2	6049	<1	380	123	97	32	361	56	44.6	4.5	36	44
K4625	6	<10	<0.1	4431	<1	283	241	16	67	314	110	112	2.8	27	6
K4626	15	<10	0.2	6512	<1	256	144	1511	99	336	318	132	50.0	360	524

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4627	8	<10	<0.1	2405	<1	218	162	21	141	253	36	34.6	1.1	13	6
K4628	14	<10	<0.1	5948	<1	426	37	164	49	125	55	28.7	6.5	47	81
K4629	5	<10	<0.1	5133	<1	282	86	12	88	327	82	58.9	1.9	22	5
K4630	23	<10	0.3	8315	<1	323	<10	97	60	217	62	35.7	3.8	37	55
K4631	6	<10	0.3	8751	<1	413	38	195	137	335	97	70.6	7.7	66	84
K4632	3	<10	0.1	4585	<1	417	31	47	36	114	32	31.8	2.0	19	11
K4633	<1	<10	0.2	2398	<1	342	171	34	298	104	24	22.7	1.4	12	11
K4634	<1	<10	<0.1	1756	<1	338	17	28	81	83	19	20.4	1.1	10	7
K4635	3	<10	0.2	3675	<1	457	24	73	68	117	37	33.4	2.4	21	17
K4636	5	<10	0.2	4376	<1	479	18	63	168	408	16	10.7	2.0	15	24
K4637	<1	<10	0.1	2555	<1	348	28	11	167	155	12	14.4	<0.5	6	3
K4638	4	<10	0.1	2207	<1	282	39	20	114	169	22	16.0	1.2	12	9
K4639	2	<10	0.1	2434	<1	314	32	25	122	154	17	12.4	1.4	12	11
K4640	4	<10	0.2	2960	<1	252	27	20	333	447	61	52.5	1.8	19	7
K4641	5	<10	0.1	3403	<1	362	26	28	246	171	25	20.0	1.6	13	11
K4642	5	<10	0.2	2936	<1	392	37	29	144	301	10	6.7	1.0	8	12
*Blk BLANK	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1
*Std MMISRM14	22	15	42.7	63	<1	326	10	17	54	795	3	0.9	1.0	6	4
K4643	5	<10	0.3	5854	<1	404	55	35	255	538	28	34.9	1.3	13	1
K4644	7	33	0.1	7882	7	159	<10	3470	81	106	150	50.1	30.0	219	116
K4645	9	<10	0.1	5804	<1	418	34	59	39	126	30	27.9	1.3	14	17
K4646	3	<10	<0.1	4157	<1	401	60	114	115	225	63	59.6	2.4	28	28
K4647	19	<10	0.1	9629	<1	246	79	59	57	254	212	135	7.8	79	2
K4648	21	<10	0.3	7484	<1	303	22	81	118	234	82	45.2	4.6	46	4
K4649	3	<10	0.2	2230	<1	201	19	7	340	333	17	28.1	0.5	4	3
K4565	31	20	0.1	3911	<1	57	<10	227	32	86	34	11.2	4.2	33	12
K4566	91	19	0.2	4244	<1	65	<10	184	90	161	18	6.0	3.0	19	9
K4567	30	17	0.2	6337	<1	147	13	769	66	172	96	31.7	19.7	128	50
K4568	2	<10	<0.1	4976	<1	47	13	12	181	39	9	5.8	<0.5	3	1
K4569	2	<10	<0.1	2745	<1	22	<10	39	99	47	13	6.6	1.2	9	1

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4570	16	<10	0.5	12030	<1	307	<10	640	358	435	134	85.0	12.1	102	361
K4571	35	<10	0.5	14480	<1	315	<10	2661	57	391	163	69.8	22.4	189	1496
K4572	17	<10	0.3	12670	<1	323	52	83	157	463	86	64.4	3.6	39	37
K4573	2	<10	0.1	4896	<1	294	59	39	199	292	51	37.8	2.2	23	17
K4574	13	<10	0.2	8219	<1	272	37	60	133	356	94	64.4	4.2	43	24
K4575	1	11	0.1	5325	<1	312	209	39	361	355	28	26.0	2.2	20	12
K4576	<1	13	<0.1	9452	<1	222	169	115	1000	105	41	24.1	4.0	30	42
K4577	1	<10	<0.1	2941	<1	288	164	<5	130	212	11	12.3	<0.5	4	1
K4578	2	<10	0.1	2105	<1	313	56	<5	211	2201	<1	0.9	<0.5	<1	<1
K4579	25	25	0.3	11840	<1	423	76	32	334	1307	35	25.3	2.1	22	11
K4580	2	11	0.2	5161	<1	240	63	73	274	185	32	16.4	3.3	26	24
K4581	12	<10	0.3	4944	<1	392	29	33	325	1213	7	4.1	0.9	7	12
K4582	1	16	0.2	7638	<1	558	536	50	320	478	17	11.8	2.0	15	17
K4583	16	<10	0.4	13610	<1	304	<10	587	271	404	164	94.8	14.5	127	331
K4584	<1	<10	0.1	4323	<1	204	83	51	285	125	25	14.5	2.2	18	17
*Dup K4515	8	18	0.6	4658	<1	80	40	15	280	372	273	205	7.5	62	6
*Dup K4527	5	34	0.2	5609	<1	50	13	814	101	159	161	59.3	27.2	184	326
*Dup K4621	8	287	0.5	28790	1	167	305	839	2043	795	331	259	32.8	212	325
*Dup K4633	<1	<10	0.1	2477	<1	333	147	41	268	115	30	24.4	1.9	17	13
*Dup K4645	9	<10	0.1	6030	<1	413	44	87	53	145	44	36.8	2.4	23	23
*Dup K4572	16	<10	0.2	11080	<1	272	58	85	174	408	101	64.1	4.6	49	34
*Dup K4584	1	<10	0.1	4671	<1	215	80	56	286	205	26	13.8	2.4	19	18
*Blk BLANK	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1
*Std MMISRM14	22	17	42.6	69	<1	322	<10	17	53	788	3	1.1	1.0	6	4

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4515	<5	<0.5	43	118	1334	<1	6	33	<1	25	<1	1	84.4	<3	<0.5
K4516	<5	4.2	37	68	280	<1	8	27	<1	8	<1	1	68.9	2110	<0.5
K4517	<5	1.4	171	37	1252	<1	36	97	<1	38	<1	<1	108	774	0.7
K4518	<5	3.8	82	38	704	<1	16	71	<1	19	<1	<1	77.7	1980	<0.5
K4519	<5	2.1	109	17	991	<1	23	44	<1	22	<1	<1	72.2	1170	<0.5
K4520	<5	2.4	96	29	1544	<1	19	53	<1	23	<1	<1	148	1270	<0.5
K4521	<5	1.7	134	58	1131	<1	25	20	<1	32	<1	<1	79.8	926	<0.5
K4522	<5	3.4	206	26	1627	<1	46	54	<1	43	<1	<1	171	1800	<0.5
K4523	<5	0.7	24	72	1365	<1	4	11	<1	8	<1	<1	52.6	272	<0.5
K4524	<5	3.2	114	167	1596	<1	25	15	<1	29	<1	<1	163	1160	<0.5
K4525	<5	5.8	386	44	1031	1	83	52	1	81	<1	<1	164	3120	<0.5
K4526	<5	<0.5	8	66	39	<1	2	5	<1	2	<1	<1	22.6	105	<0.5
K4527	<5	1.2	627	99	1045	<1	126	8	<1	137	<1	<1	84.8	675	<0.5
K4528	<5	<0.5	14	71	283	<1	3	<5	<1	4	<1	<1	30.2	61	<0.5
K4529	<5	1.2	294	64	848	<1	60	8	<1	70	<1	<1	114	553	<0.5
K4530	<5	<0.5	24	86	480	<1	4	<5	<1	9	<1	<1	8.1	<3	<0.5
K4531	<5	1.3	337	345	994	1	63	74	<1	102	<1	<1	204	867	<0.5
K4532	<5	<0.5	135	144	779	<1	23	23	<1	38	<1	<1	41.0	93	<0.5
K4533	<5	<0.5	278	136	849	<1	51	<5	<1	70	<1	<1	75.9	171	<0.5
K4534	7	2.0	305	131	803	<1	59	21	1	88	<1	<1	205	858	<0.5
K4535	<5	<0.5	17	52	60	<1	4	16	<1	4	<1	<1	20.6	66	<0.5
K4618	<5	<0.5	<1	48	10	<1	<1	11	<1	<1	<1	<1	2.4	<3	<0.5
K4619	<5	<0.5	310	238	250	<1	75	<5	<1	60	<1	<1	5.9	<3	<0.5
K4620	<5	<0.5	87	140	392	<1	14	<5	<1	33	<1	<1	8.5	<3	<0.5
K4621	6	3.6	739	640	369	2	139	<5	2	213	<1	2	555	1200	<0.5
K4622	10	2.3	348	201	220	1	71	19	1	92	<1	2	222	860	<0.5
K4623	<5	<0.5	118	618	262	<1	24	<5	<1	32	<1	2	14.0	<3	<0.5
K4624	<5	<0.5	65	387	129	<1	12	5	<1	18	<1	<1	3.8	<3	<0.5
K4625	<5	<0.5	22	206	48	<1	3	<5	<1	9	<1	<1	3.9	<3	<0.5
K4626	<5	<0.5	1016	497	609	<1	193	7	<1	271	<1	<1	153	33	<0.5

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4627	<5	<0.5	12	220	191	<1	2	<5	<1	5	<1	<1	8.3	<3	<0.5
K4628	<5	0.6	140	147	217	<1	26	15	<1	34	<1	9	16.7	<3	<0.5
K4629	<5	<0.5	17	202	513	<1	3	8	<1	7	<1	6	4.7	<3	<0.5
K4630	<5	<0.5	66	173	257	<1	13	8	<1	18	<1	4	8.1	<3	<0.5
K4631	<5	<0.5	141	291	216	<1	27	<5	<1	38	1	2	9.5	<3	<0.5
K4632	<5	<0.5	26	214	80	<1	4	17	<1	9	<1	3	1.2	<3	<0.5
K4633	<5	<0.5	20	144	266	<1	4	28	<1	6	2	3	4.0	<3	<0.5
K4634	<5	<0.5	15	97	44	<1	2	6	<1	5	<1	2	1.2	<3	<0.5
K4635	<5	<0.5	37	414	73	<1	6	16	<1	12	1	4	1.6	<3	<0.5
K4636	<5	<0.5	39	235	84	<1	7	8	<1	10	<1	2	3.8	<3	<0.5
K4637	<5	<0.5	7	145	126	<1	1	14	<1	3	<1	1	0.9	<3	<0.5
K4638	<5	<0.5	17	110	313	<1	3	9	<1	6	<1	<1	4.6	<3	<0.5
K4639	<5	<0.5	23	102	178	<1	4	11	<1	7	<1	1	5.7	5	<0.5
K4640	<5	<0.5	20	295	258	<1	3	10	<1	7	<1	1	3.8	<3	<0.5
K4641	<5	<0.5	24	304	84	<1	4	9	<1	8	<1	1	4.3	<3	<0.5
K4642	<5	<0.5	21	172	142	<1	4	28	<1	6	<1	1	5.1	<3	<0.5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<1	<1	<1	<0.5	<3	<0.5
*Std MMISRM14	31	<0.5	18	291	204	39	2	279	1	6	<1	1	21.3	<3	<0.5
K4643	<5	<0.5	23	357	301	<1	4	10	<1	7	<1	3	5.6	<3	<0.5
K4644	<5	3.4	1152	76	4619	1	251	81	1	216	<1	2	399	664	<0.5
K4645	<5	<0.5	24	133	668	<1	5	21	<1	7	<1	2	9.1	<3	<0.5
K4646	<5	<0.5	42	154	1211	<1	8	39	<1	12	<1	1	6.4	<3	<0.5
K4647	<5	<0.5	79	211	344	<1	12	<5	<1	30	<1	<1	6.0	<3	<0.5
K4648	<5	<0.5	73	216	359	<1	13	12	<1	21	<1	1	11.8	<3	<0.5
K4649	<5	<0.5	7	237	108	<1	1	14	<1	2	<1	1	4.6	<3	<0.5
K4565	<5	5.0	123	73	768	<1	27	26	<1	25	<1	1	43.0	2000	<0.5
K4566	<5	3.7	84	71	665	<1	19	16	<1	15	<1	<1	41.4	1890	<0.5
K4567	<5	2.0	593	157	850	<1	123	23	<1	115	<1	<1	62.9	962	<0.5
K4568	<5	0.9	7	97	209	<1	1	17	<1	2	<1	<1	13.3	183	<0.5
K4569	<5	2.5	24	73	205	<1	5	14	<1	7	<1	<1	27.9	612	<0.5

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4570	<5	<0.5	365	262	382	<1	80	18	<1	67	<1	<1	6.4	8	<0.5
K4571	<5	<0.5	958	135	711	<1	240	35	<1	134	<1	<1	30.2	62	<0.5
K4572	<5	<0.5	55	494	468	<1	10	19	<1	16	<1	<1	5.1	<3	<0.5
K4573	<5	<0.5	28	179	271	<1	5	23	<1	9	<1	<1	5.0	<3	<0.5
K4574	<5	<0.5	47	262	285	<1	8	15	<1	17	<1	<1	6.0	<3	<0.5
K4575	7	<0.5	33	295	166	<1	6	114	<1	11	<1	2	6.2	19	<0.5
K4576	<5	1.0	72	160	132	<1	13	38	<1	21	<1	<1	49.2	205	<0.5
K4577	<5	<0.5	3	186	82	<1	<1	17	<1	1	<1	<1	0.9	<3	<0.5
K4578	10	<0.5	2	561	<10	<1	<1	23	<1	<1	<1	<1	<0.5	<3	<0.5
K4579	14	1.1	27	954	457	<1	4	544	2	9	2	3	4.6	51	<0.5
K4580	7	0.8	53	276	91	<1	9	25	<1	17	<1	<1	23.6	144	<0.5
K4581	5	<0.5	23	363	24	<1	4	10	<1	6	<1	<1	4.5	<3	<0.5
K4582	10	1.0	35	467	224	<1	6	128	1	11	<1	6	10.2	71	<0.5
K4583	<5	<0.5	335	242	308	<1	74	18	<1	71	<1	2	6.9	14	<0.5
K4584	<5	0.6	37	207	77	<1	6	13	<1	12	<1	3	24.1	100	<0.5
*Dup K4515	<5	<0.5	35	145	1033	<1	4	36	<1	21	<1	1	66.9	4	<0.5
*Dup K4527	<5	1.3	682	135	1018	<1	129	12	<1	148	<1	1	64.7	620	<0.5
*Dup K4621	7	4.8	618	1010	329	1	113	<5	3	172	1	3	500	1270	<0.5
*Dup K4633	<5	<0.5	28	146	337	<1	5	22	<1	10	<1	2	5.2	<3	<0.5
*Dup K4645	<5	<0.5	43	141	948	<1	8	19	<1	13	<1	1	11.2	<3	<0.5
*Dup K4572	<5	<0.5	63	392	592	<1	11	21	<1	21	<1	<1	7.1	<3	<0.5
*Dup K4584	<5	0.6	40	231	74	<1	7	12	<1	13	<1	<1	24.8	102	<0.5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<1	<1	1	<0.5	<3	<0.5
*Std MMISRM14	30	<0.5	17	296	201	40	2	275	1	6	<1	<1	21.9	<3	<0.5

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4515	2	1404	117	173	23
K4516	<1	60	10	95	60
K4517	<1	160	7	24	73
K4518	<1	111	5	36	69
K4519	<1	112	5	<20	48
K4520	<1	178	9	109	47
K4521	<1	203	9	211	24
K4522	<1	163	8	50	73
K4523	<1	144	11	<20	8
K4524	<1	254	21	123	43
K4525	1	251	11	37	100
K4526	<1	21	5	<20	<5
K4527	<1	518	24	120	26
K4528	<1	118	17	<20	<5
K4529	<1	326	17	116	35
K4530	<1	214	16	65	<5
K4531	2	929	70	130	129
K4532	<1	288	15	76	8
K4533	<1	389	18	123	26
K4534	1	417	59	499	90
K4535	<1	64	11	<20	<5
K4618	<1	<5	12	49	<5
K4619	<1	575	50	251	<5
K4620	1	887	71	590	<5
K4621	3	1238	169	1133	497
K4622	2	581	75	2234	116
K4623	1	445	53	1190	<5
K4624	<1	212	29	347	<5
K4625	1	453	75	108	<5
K4626	1	1378	67	1001	33

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4627	<1	150	24	571	<5
K4628	1	256	16	227	<5
K4629	<1	441	30	1319	<5
K4630	<1	330	18	104	<5
K4631	<1	520	41	603	<5
K4632	<1	175	21	33	<5
K4633	<1	109	17	4951	<5
K4634	<1	107	14	88	<5
K4635	<1	185	21	102	<5
K4636	<1	76	6	153	<5
K4637	<1	67	10	75	<5
K4638	<1	118	10	1135	<5
K4639	<1	98	7	463	<5
K4640	<1	364	32	376	<5
K4641	<1	134	12	222	<5
K4642	<1	46	4	396	<5
*Blk BLANK	<1	<5	<1	<20	<5
*Std MMISRM14	<1	13	<1	467	16
K4643	<1	158	26	617	<5
K4644	1	651	23	114	121
K4645	<1	129	19	183	<5
K4646	<1	284	42	474	<5
K4647	1	1165	71	895	<5
K4648	<1	436	22	262	<5
K4649	<1	101	26	194	<5
K4565	<1	169	4	35	40
K4566	<1	91	3	124	45
K4567	<1	454	14	465	47
K4568	<1	48	4	369	9
K4569	<1	63	4	232	27

SGS

Work Order: 079225 **Date:** 09/09/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4570	<1	648	46	115	<5
K4571	<1	899	27	42	29
K4572	<1	467	35	490	<5
K4573	<1	258	21	981	<5
K4574	<1	479	35	939	<5
K4575	<1	153	24	8812	6
K4576	<1	212	15	1424	54
K4577	<1	68	9	2501	<5
K4578	<1	<5	<1	557	<5
K4579	1	148	17	2302	21
K4580	<1	168	9	1473	49
K4581	<1	29	3	483	<5
K4582	<1	96	9	3923	26
K4583	1	762	48	88	<5
K4584	<1	129	9	1841	39
*Dup K4515	2	1742	121	184	28
*Dup K4527	<1	693	27	142	30
*Dup K4621	3	1547	201	1226	521
*Dup K4633	<1	130	18	4550	<5
*Dup K4645	<1	160	25	204	8
*Dup K4572	<1	525	35	545	<5
*Dup K4584	<1	134	8	1672	40
*Blk BLANK	<1	<5	<1	<20	<5
*Std MMISRM14	<1	13	<1	471	13

CERTIFICATE OF ANALYSIS

Work Order: 079226

To: **KSL Exploration Limited**
Attn: Peter Kslexplyuk
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 09/09/04

Copy 1 to : info@klondikesource.com.au

P.O. No. :
Project No. : Klondike
No. of Samples : 80 Soil (MMI)
Date Submitted : 11/08/04
Report Comprises : Cover Sheet plus
Pages 1 to 4

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 079226 **Date:** 09/09/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4496	<0.1	4	17	<0.1	4.06
K4497	<0.1	35	12	<0.1	5.03
K4498	<0.1	9	19	<0.1	8.36
K4499	<0.1	12	7	0.14	1.09
K4500	<0.1	5	14	<0.1	3.10
K4501	<0.1	12	13	<0.1	2.97
K4502	<0.1	16	16	<0.1	1.86
K4503	<0.1	7	11	<0.1	4.56
K4504	<0.1	7	10	<0.1	2.59
K4505	<0.1	22	15	0.10	0.17
K4506	<0.1	16	10	<0.1	0.28
K4507	<0.1	20	15	<0.1	2.17
K4508	<0.1	31	17	<0.1	5.49
K4509	<0.1	7	11	<0.1	3.76
K4510	<0.1	3	12	<0.1	9.26
K4511	<0.1	3	4	<0.1	10.1
K4512	<0.1	5	11	<0.1	9.94
K4513	<0.1	9	19	<0.1	3.20
K4514	<0.1	3	10	<0.1	9.80
K4538	<0.1	9	5	<0.1	2.00
K4539	<0.1	7	6	<0.1	1.52
K4540	<0.1	24	11	<0.1	0.71
K4541	<0.1	7	6	<0.1	3.04
K4542	<0.1	28	40	<0.1	11.2
K4543	<0.1	50	32	<0.1	6.84
K4544	0.14	15	7	<0.1	2.99
K4545	<0.1	4	10	<0.1	9.28
K4546	<0.1	3	9	<0.1	21.1
K4547	<0.1	25	30	<0.1	8.37
K4548	<0.1	24	35	<0.1	1.66

SGS

Work Order: 079226 **Date:** 09/09/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4549	<0.1	4	7	<0.1	2.05
K4550	<0.1	18	12	<0.1	13.9
K4551	<0.1	9	6	<0.1	0.70
K4552	<0.1	9	9	<0.1	2.18
K4553	<0.1	8	12	<0.1	4.80
K4554	<0.1	34	12	<0.1	0.70
K4555	<0.1	57	47	<0.1	5.39
K4556	<0.1	17	17	<0.1	2.48
K4557	<0.1	21	28	<0.1	1.86
K4558	<0.1	9	63	<0.1	7.54
K4559	<0.1	32	66	0.10	11.2
K4560	<0.1	3	58	<0.1	7.45
K4561	<0.1	12	87	<0.1	13.0
K4562	<0.1	18	31	0.13	6.31
K4563	<0.1	4	9	<0.1	24.4
K4564	<0.1	4	30	<0.1	8.42
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	42.2	32	142	41.7	18.3
K4586	0.11	3	102	0.13	2.88
K4587	0.44	50	253	<0.1	3.41
K4588	<0.1	11	7	0.14	1.41
K4589	<0.1	13	13	0.10	1.73
K4590	<0.1	13	18	<0.1	3.08
K4591	<0.1	29	33	0.12	1.70
K4592	<0.1	39	52	0.10	5.41
K4593	<0.1	9	8	<0.1	0.96
K4594	<0.1	8	12	<0.1	1.95
K4595	<0.1	14	7	<0.1	2.32
K4596	<0.1	5	<3	<0.1	0.61
K4597	<0.1	10	9	0.13	1.29

SGS

Work Order: 079226 **Date:** 09/09/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4598	<0.1	17	14	<0.1	2.64
K4599	<0.1	10	6	0.11	0.72
K4600	<0.1	22	31	0.10	2.19
K4601	<0.1	28	45	<0.1	3.67
K4602	<0.1	6	49	<0.1	5.39
K4603	<0.1	8	45	<0.1	7.51
K4604	<0.1	14	26	<0.1	0.86
K4605	<0.1	11	13	<0.1	2.51
K4606	<0.1	22	43	0.11	3.30
K4607	<0.1	15	9	<0.1	6.14
K4608	<0.1	11	12	<0.1	3.15
K4609	<0.1	3	9	<0.1	2.75
K4610	<0.1	2	38	<0.1	19.1
K4611	<0.1	8	5	<0.1	0.31
K4612	<0.1	5	5	<0.1	0.24
K4613	<0.1	4	7	<0.1	0.54
K4614	<0.1	8	4	<0.1	0.83
K4615	<0.1	15	14	<0.1	3.72
K4616	<0.1	4	44	0.11	12.9
K4617	<0.1	23	31	<0.1	2.06
K4536	0.22	9	5	<0.1	26.4
K4537	<0.1	20	13	<0.1	10.2
*Dup K4496	<0.1	5	14	<0.1	3.95
*Dup K4508	<0.1	28	14	<0.1	4.87
*Dup K4543	<0.1	46	30	<0.1	6.72
*Dup K4555	<0.1	50	46	0.11	4.96
*Dup K4588	<0.1	10	6	0.11	1.33
*Dup K4600	<0.1	20	32	<0.1	2.12
*Dup K4612	<0.1	6	4	<0.1	0.22
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1

SGS

Work Order: 079226 **Date:** 09/09/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
*Std MMISRM14	43.2	32	195	44.9	18.7

CERTIFICATE OF ANALYSIS

Work Order: 078109

To: **KSL** Exploration Limited
Attn: R G Adamson
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 06/08/04

Copy 1 to :

P.O. No.	:	
Project No.	:	KLONDIKE
No. of Samples	:	78 Soil (MMI)
Date Submitted	:	21/06/04
Report Comprises	:	Cover Sheet plus Pages 1 to 9

Note:
Duplicate results outside acceptance criteria due to sample inhomogeneity.

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By :

Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4114	<1	35	<0.1	1406	<1	29	28	311	131	161	23	12.0	5.1	35	122
K4115	<1	28	<0.1	1178	<1	42	13	141	70	87	17	8.2	4.5	25	57
K4116	<1	<10	<0.1	1516	<1	45	12	153	46	79	18	8.8	4.3	27	67
K4117	<1	<10	<0.1	758	<1	19	<10	<5	18	16	<1	0.6	<0.5	<1	2
K4118	<1	<10	<0.1	4190	2	39	15	65	16	21	6	3.3	1.7	9	48
K4119	3	47	<0.1	917	3	22	<10	60	33	92	9	5.4	2.0	10	27
K4120	1	<10	<0.1	1440	<1	186	<10	30	23	109	18	13.3	2.2	17	14
K4121	<1	12	<0.1	1904	<1	63	<10	80	16	63	7	3.8	1.5	11	43
K4122	3	<10	<0.1	1092	<1	17	<10	59	31	29	9	10.7	1.1	7	34
K4123	<1	13	<0.1	1006	1	55	<10	20	22	21	4	2.8	0.6	4	11
K4124	<1	10	<0.1	342	1	62	<10	<5	16	43	1	1.3	<0.5	<1	1
K4125	<1	69	<0.1	705	<1	335	<10	<5	57	662	2	3.3	<0.5	1	3
K4126	<1	378	0.3	1686	<1	188	17	109	52	167	34	21.4	8.8	35	70
K4127	2	28	<0.1	1562	3	70	31	5	61	36	4	3.7	<0.5	1	4
K4128	1	16	<0.1	3489	<1	27	<10	6	59	<10	<1	0.9	<0.5	<1	4
K4129	2	<10	<0.1	3064	<1	186	67	21	14	75	12	7.4	0.7	5	2
K4130	3	<10	<0.1	4883	<1	132	17	<5	72	54	7	7.1	<0.5	1	2
K4131	5	<10	<0.1	2334	<1	171	<10	<5	40	59	3	2.8	<0.5	<1	<1
K4132	14	45	<0.1	7854	3	147	34	46	164	259	21	17.4	2.7	12	25
K4133	6	<10	<0.1	7123	<1	57	<10	<5	59	24	2	3.3	<0.5	<1	4
K4134	6	<10	0.1	7984	<1	46	<10	9	56	29	2	4.5	<0.5	1	7
K4135	12	512	14.2	3739	<1	788	91	148	251	343	99	179	9.5	64	87
K4136	1	<10	<0.1	4980	<1	83	<10	13	71	33	3	3.9	<0.5	2	8
K4137	7	10	<0.1	5605	<1	138	14	13	194	64	15	12.2	0.7	4	6
K4138	2	24	<0.1	14680	1	272	194	16	273	82	6	6.8	<0.5	4	4
K4139	17	300	0.1	5787	3	261	47	145	96	155	21	8.6	4.4	23	74
K4140	133	49	0.2	9298	<1	310	52	642	157	358	113	54.8	19.1	108	289
K4141	1	<10	<0.1	1069	<1	204	10	28	23	93	15	13.3	1.8	14	13
K4142	3	<10	<0.1	5158	<1	141	18	<5	81	56	5	6.1	<0.5	1	2
K4143	59	65	<0.1	8060	<1	359	79	764	120	274	122	46.7	27.0	144	327

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4187	3	67	<0.1	2596	<1	82	16	<5	134	19	2	2.0	<0.5	<1	1
K4188	<1	70	0.2	4736	<1	49	<10	<5	41	18	<1	<0.5	<0.5	<1	3
K4189	<1	316	0.1	2858	<1	22	<10	16	44	48	2	1.5	<0.5	2	9
K4190	9	215	0.2	5950	<1	54	28	168	214	173	60	36.8	7.9	47	81
K4191	2	271	0.2	3904	<1	69	16	29	152	53	11	8.5	1.3	7	14
K4192	9	243	0.5	2647	<1	12	<10	65	56	112	7	5.1	1.2	7	32
K4193	1	340	<0.1	2027	<1	58	<10	6	59	27	1	0.9	<0.5	<1	3
K4194	5	163	0.2	3531	<1	78	21	41	159	64	21	14.5	2.2	15	17
K4195	4	99	0.1	3844	<1	73	<10	11	73	45	4	6.6	<0.5	2	6
K4196	2	101	0.1	3541	<1	58	<10	8	68	18	1	2.4	<0.5	1	4
K4197	1	84	<0.1	4054	<1	105	14	9	126	20	2	2.0	<0.5	1	5
K4198	5	78	0.2	6251	<1	106	11	10	74	19	1	0.6	<0.5	1	7
K4199	15	177	0.3	5659	<1	118	22	55	282	127	50	34.3	5.0	30	23
K4200	13	97	0.3	2857	<1	78	31	21	114	64	23	16.9	1.5	10	9
K4201	2	54	<0.1	2972	<1	62	<10	8	75	1504	2	2.5	<0.5	1	4
K4202	3	73	<0.1	4920	<1	64	<10	62	83	12	2	1.8	<0.5	3	67
*Blk BLANK	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1
*Std MMISRM14	20	17	35.7	67	<1	395	11	25	54	799	2	0.8	1.4	5	5
K4203	5	167	0.2	5332	1	57	<10	63	106	46	8	5.3	1.2	8	41
K4204	2	41	<0.1	4974	<1	51	14	9	111	22	3	5.2	<0.5	1	5
K4205	21	84	0.1	8291	2	127	60	57	321	78	32	31.1	2.1	13	27
K4206	9	40	<0.1	7966	1	185	38	26	189	107	15	18.1	1.0	5	13
K4207	5	163	<0.1	6508	2	160	67	104	184	129	27	20.6	3.9	17	43
K4208	3	66	0.1	6056	2	77	17	56	123	33	9	6.7	0.9	8	32
K4209	8	66	0.1	9067	2	95	21	175	211	65	36	26.7	3.2	24	93
K4210	20	160	0.3	5177	2	134	32	153	143	105	33	25.3	5.4	27	84
K4211	14	134	<0.1	5127	3	73	31	214	222	142	63	38.3	7.3	51	103
K4212	3	50	0.1	4715	<1	44	14	16	169	49	8	8.0	<0.5	3	8
K4213	7	122	0.3	2840	<1	102	13	11	58	28	2	2.6	<0.5	2	6
K4214	16	125	0.2	5686	2	139	29	129	135	85	32	24.8	3.6	21	75

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Ag	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Gd	La
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1
Units.	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4215	4	205	<0.1	2229	<1	13	12	21	93	109	4	3.7	<0.5	3	14
K4216	5	363	0.1	9720	3	103	30	16	216	41	3	2.2	<0.5	2	8
K4217	5	197	<0.1	10610	1	86	15	31	327	36	5	3.2	<0.5	4	16
K4218	2	107	0.1	5310	<1	48	<10	9	205	23	1	1.9	<0.5	1	5
K4219	1	54	<0.1	4353	<1	61	<10	<5	98	29	1	2.3	<0.5	<1	3
K4220	5	34	0.1	6752	<1	72	<10	7	67	66	<1	1.0	<0.5	<1	4
K4221	4	50	0.1	4344	<1	59	<10	7	107	36	3	3.7	<0.5	1	4
K4222	1	43	<0.1	5396	<1	54	<10	7	260	20	3	2.4	<0.5	1	4
K4223	2	28	<0.1	7234	<1	69	<10	14	89	26	2	1.7	<0.5	2	8
K4224	1	58	<0.1	6337	1	56	<10	17	200	18	3	3.4	<0.5	2	10
K4225	2	64	<0.1	5382	<1	95	<10	9	74	57	1	1.8	<0.5	1	5
K4226	3	13	<0.1	7378	<1	154	22	<5	273	13	1	1.6	<0.5	<1	2
K4227	29	139	0.1	3695	<1	95	23	181	90	109	31	15.5	8.9	36	72
K4228	8	23	<0.1	5162	<1	86	21	11	366	45	8	7.0	<0.5	3	6
K4229	6	90	0.3	12340	1	207	107	240	764	529	103	93.1	11.5	50	44
K4230	28	65	0.1	9975	<1	339	107	811	140	232	180	83.2	36.1	201	250
K4231	31	198	0.1	7757	1	420	249	534	335	225	74	29.7	16.9	87	135
K4232	4	47	0.2	5685	<1	776	131	355	252	248	231	186	32.0	180	143
K4233	4	17	<0.1	7763	<1	98	<10	5	36	18	<1	0.9	<0.5	<1	3
K4234	3	56	0.2	9263	<1	259	114	108	567	320	100	78.5	7.2	46	28
*Dup K4114	<1	47	<0.1	1137	<1	34	21	253	103	168	19	8.8	5.7	31	98
*Dup K4126	<1	377	0.2	1163	<1	211	13	104	37	87	33	19.0	9.4	36	66
*Dup K4139	44	227	<0.1	6804	3	288	43	264	102	186	26	12.0	4.9	27	127
*Dup K4193	<1	241	<0.1	2542	<1	92	12	<5	62	16	<1	<0.5	<0.5	<1	2
*Dup K4205	11	85	0.1	6523	1	158	40	32	214	57	20	18.3	1.5	9	17
*Dup K4217	6	196	0.1	12130	1	93	23	39	411	30	5	4.1	<0.5	5	20
*Dup K4229	22	69	0.3	11080	<1	177	61	277	542	359	148	92.6	10.1	75	39
*Blk BLANK	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1
*Std MMISRM14	22	15	35.9	63	<1	373	12	27	64	865	2	1.0	1.4	5	5

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4114	11	3.6	181	161	2321	<1	40	11	<1	40	2	<1	81.7	482	<0.5
K4115	8	2.2	104	99	1053	<1	20	<5	<1	26	1	<1	33.9	295	<0.5
K4116	8	1.2	109	81	279	<1	22	8	<1	27	<1	<1	59.8	188	<0.5
K4117	<5	2.0	3	43	27	<1	<1	27	<1	<1	<1	<1	17.5	548	<0.5
K4118	<5	2.9	51	32	99	<1	11	8	1	11	<1	<1	108	371	<0.5
K4119	<5	6.5	43	44	713	<1	9	77	1	11	<1	1	99.2	958	<0.5
K4120	<5	<0.5	35	48	238	<1	6	8	1	12	<1	2	40.7	30	<0.5
K4121	<5	1.7	49	26	41	<1	10	15	<1	11	<1	<1	51.7	454	<0.5
K4122	<5	<0.5	31	18	372	<1	7	21	<1	7	2	<1	68.6	136	<0.5
K4123	7	1.2	11	31	80	<1	2	38	<1	3	<1	<1	35.2	326	<0.5
K4124	<5	1.0	2	34	219	<1	<1	71	<1	<1	<1	<1	11.7	169	<0.5
K4125	<5	<0.5	3	45	96	<1	1	<5	<1	<1	<1	2	<0.5	<3	<0.5
K4126	<5	1.8	122	93	1866	<1	24	9	<1	35	<1	<1	58.7	326	<0.5
K4127	<5	1.3	4	44	2179	<1	<1	6	<1	<1	<1	<1	18.5	327	<0.5
K4128	<5	1.0	2	61	53	<1	<1	19	<1	<1	<1	<1	17.2	404	<0.5
K4129	<5	0.5	6	77	580	<1	<1	<5	<1	2	1	<1	15.4	329	<0.5
K4130	<5	<0.5	2	120	1492	<1	<1	20	<1	<1	<1	<1	14.6	146	<0.5
K4131	<5	<0.5	1	107	527	<1	<1	9	<1	<1	<1	<1	2.0	16	<0.5
K4132	9	4.2	33	284	1939	<1	6	138	1	10	2	<1	82.4	1150	<0.5
K4133	<5	<0.5	2	71	292	<1	<1	13	<1	<1	<1	<1	10.9	72	<0.5
K4134	<5	<0.5	4	84	131	<1	<1	20	<1	<1	<1	<1	22.0	43	<0.5
K4135	<5	<0.5	140	316	2867	<1	27	51	2	41	<1	<1	6.6	26	<0.5
K4136	<5	1.2	6	110	87	<1	1	7	<1	2	<1	<1	19.4	169	<0.5
K4137	<5	<0.5	8	254	747	<1	1	11	<1	3	5	<1	13.6	77	<0.5
K4138	8	1.5	7	416	232	1	1	23	<1	2	<1	7	22.6	350	<0.5
K4139	6	5.0	76	264	3016	<1	17	17	1	18	3	4	65.1	1920	<0.5
K4140	<5	1.1	361	356	4621	<1	77	60	<1	85	<1	2	101	439	<0.5
K4141	<5	<0.5	31	48	208	<1	5	10	<1	10	<1	2	27.6	31	<0.5
K4142	<5	<0.5	2	145	1142	<1	<1	24	<1	<1	<1	<1	12.1	112	<0.5
K4143	<5	0.9	443	357	3348	<1	88	65	1	111	<1	<1	84.8	498	<0.5

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4187	<5	0.9	2	90	27	<1	<1	26	<1	<1	<1	<1	8.7	279	<0.5
K4188	<5	0.7	2	33	<10	<1	<1	32	<1	<1	<1	<1	11.9	106	<0.5
K4189	<5	3.5	6	51	27	<1	2	41	<1	1	<1	<1	26.9	679	<0.5
K4190	8	3.2	103	270	1352	1	20	84	1	30	<1	<1	74.3	1730	<0.5
K4191	<5	1.0	18	123	99	<1	4	29	<1	5	<1	<1	27.9	207	<0.5
K4192	<5	1.2	28	71	123	<1	7	83	1	6	<1	<1	41.0	442	<0.5
K4193	<5	6.8	3	103	73	<1	<1	23	<1	1	2	<1	20.3	552	<0.5
K4194	<5	1.0	28	176	567	<1	6	19	1	9	3	<1	38.1	315	<0.5
K4195	<5	0.6	5	99	116	<1	1	9	<1	1	<1	<1	18.7	174	<0.5
K4196	<5	<0.5	4	60	<10	<1	<1	9	<1	<1	<1	<1	16.0	181	<0.5
K4197	<5	1.3	5	116	31	<1	1	6	1	1	2	<1	25.1	135	<0.5
K4198	<5	<0.5	5	61	14	<1	1	<5	<1	1	<1	<1	15.0	109	<0.5
K4199	<5	1.4	44	333	1059	<1	8	23	2	18	<1	<1	69.7	481	<0.5
K4200	<5	0.7	17	121	860	<1	3	10	<1	6	<1	<1	42.1	215	<0.5
K4201	14	<0.5	5	80	62	<1	<1	8	1	1	5	<1	21.5	146	<0.5
K4202	<5	0.8	20	57	20	<1	9	20	<1	2	1	<1	16.8	178	<0.5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<1	2	<1	<0.5	<3	<0.5
*Std MMISRM14	36	<0.5	20	355	135	50	3	301	2	6	<1	<1	19.9	<3	<0.5
K4203	8	1.8	26	158	99	<1	6	35	2	6	2	7	60.3	750	<0.5
K4204	<5	2.3	4	102	76	<1	<1	24	<1	1	<1	2	29.7	293	<0.5
K4205	8	2.0	35	345	1306	<1	7	102	2	9	<1	2	91.0	742	<0.5
K4206	<5	2.1	16	353	367	<1	3	21	1	4	<1	1	73.6	350	<0.5
K4207	8	7.8	57	329	573	<1	11	23	2	17	<1	<1	163	1330	<0.5
K4208	<5	2.4	27	195	124	<1	6	12	2	6	<1	<1	96.2	719	<0.5
K4209	8	3.3	82	350	521	1	19	35	1	19	<1	<1	120	936	<0.5
K4210	8	7.8	108	265	1530	<1	22	18	2	28	1	<1	163	1580	<0.5
K4211	10	9.1	130	336	3419	<1	27	36	2	38	<1	<1	164	2440	<0.5
K4212	<5	0.6	7	146	201	<1	2	51	<1	2	<1	<1	21.2	229	<0.5
K4213	<5	1.2	6	58	35	<1	1	9	<1	2	<1	<1	40.3	199	<0.5
K4214	6	6.8	77	290	1446	<1	17	15	2	18	<1	<1	137	1400	<0.5

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sm	Sn	Te	Th	Ti	Tl
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	1	1	1	0.5	3	0.5
Units.	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
K4215	<5	5.9	8	115	178	<1	2	30	1	2	<1	<1	37.5	2640	0.5
K4216	<5	5.4	8	341	81	<1	2	124	1	2	<1	<1	47.7	1120	0.7
K4217	<5	1.6	12	231	40	<1	3	68	<1	3	<1	<1	33.2	536	<0.5
K4218	<5	1.0	5	103	14	<1	1	20	<1	1	<1	<1	27.8	176	<0.5
K4219	<5	0.9	2	129	34	<1	<1	11	<1	<1	<1	<1	12.8	160	<0.5
K4220	<5	<0.5	3	98	<10	<1	<1	16	<1	<1	<1	<1	10.5	82	<0.5
K4221	<5	1.0	4	152	124	<1	<1	13	<1	1	<1	<1	16.8	170	<0.5
K4222	<5	1.4	3	118	43	<1	<1	<5	<1	<1	<1	<1	24.1	224	<0.5
K4223	<5	<0.5	6	89	10	<1	1	7	<1	1	1	<1	18.1	173	<0.5
K4224	<5	0.9	7	143	33	<1	2	15	<1	2	<1	<1	25.6	210	<0.5
K4225	<5	<0.5	4	73	<10	<1	<1	<5	<1	<1	<1	<1	17.4	182	<0.5
K4226	<5	<0.5	2	195	17	<1	<1	5	<1	<1	<1	<1	10.3	22	<0.5
K4227	<5	1.5	132	155	1349	<1	25	20	1	35	<1	3	45.6	492	<0.5
K4228	<5	<0.5	6	158	282	<1	1	6	<1	2	<1	3	26.2	82	<0.5
K4229	<5	1.4	102	453	1592	<1	17	33	2	39	<1	2	118	593	<0.5
K4230	<5	0.8	451	368	2816	<1	85	28	2	127	<1	<1	51.9	455	<0.5
K4231	8	3.2	210	156	1733	<1	40	84	2	62	<1	<1	48.1	1180	<0.5
K4232	<5	<0.5	276	232	529	1	52	33	1	102	<1	<1	41.1	78	<0.5
K4233	<5	<0.5	3	89	<10	<1	<1	13	<1	<1	<1	<1	9.0	56	<0.5
K4234	6	<0.5	56	364	1904	<1	10	37	1	24	<1	<1	41.5	235	<0.5
*Dup K4114	15	4.0	158	159	2419	<1	32	12	1	40	<1	<1	99.0	507	<0.5
*Dup K4126	<5	1.0	134	79	1535	<1	25	6	<1	39	<1	<1	35.1	195	<0.5
*Dup K4139	8	4.1	118	374	5060	<1	30	30	1	24	<1	<1	70.5	1940	<0.5
*Dup K4193	<5	4.8	2	96	14	<1	<1	14	<1	<1	<1	<1	11.3	329	<0.5
*Dup K4205	6	1.8	20	214	466	<1	4	50	2	6	<1	<1	65.4	729	<0.5
*Dup K4217	<5	1.5	15	292	50	<1	4	138	<1	4	<1	<1	35.9	467	<0.5
*Dup K4229	<5	0.5	89	327	1885	<1	15	27	1	35	<1	<1	84.6	485	<0.5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<1	1	<1	<0.5	<3	<0.5
*Std MMISRM14	34	<0.5	22	423	163	59	3	333	1	7	<1	<1	22.7	<3	<0.5

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4114	<1	122	11	899	35
K4115	<1	95	9	789	26
K4116	<1	98	9	466	40
K4117	<1	<5	1	108	31
K4118	<1	33	4	177	125
K4119	<1	54	6	280	110
K4120	<1	103	15	1187	45
K4121	<1	40	4	56	44
K4122	<1	40	12	77	21
K4123	<1	20	3	99	33
K4124	<1	10	2	1615	22
K4125	<1	14	5	946	<5
K4126	<1	242	22	326	53
K4127	<1	22	4	763	19
K4128	<1	<5	1	<20	14
K4129	<1	65	6	1262	10
K4130	<1	35	7	108	12
K4131	<1	17	4	102	<5
K4132	<1	140	21	756	86
K4133	<1	12	4	81	11
K4134	<1	14	7	56	17
K4135	1	867	272	721	6
K4136	<1	15	5	42	18
K4137	<1	95	12	51	14
K4138	3	31	8	4246	45
K4139	2	104	6	533	93
K4140	<1	564	36	558	69
K4141	<1	81	15	1247	20
K4142	<1	27	7	142	9
K4143	<1	590	32	920	69

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4187	<1	13	3	44	15
K4188	<1	<5	<1	34	19
K4189	<1	8	2	48	43
K4190	<1	260	30	591	93
K4191	<1	59	12	272	42
K4192	<1	34	6	58	56
K4193	<1	7	2	119	54
K4194	<1	108	14	183	37
K4195	<1	20	8	47	19
K4196	<1	6	4	33	13
K4197	<1	11	4	281	36
K4198	<1	7	1	211	36
K4199	<1	247	37	914	72
K4200	<1	138	16	197	29
K4201	<1	10	5	1036	24
K4202	<1	12	3	103	28
*Blk BLANK	<1	<5	<1	<20	<5
*Std MMISRM14	<1	12	<1	506	11
K4203	2	34	7	181	91
K4204	<1	13	8	68	38
K4205	<1	196	37	403	106
K4206	<1	103	25	458	119
K4207	<1	171	26	658	197
K4208	<1	35	8	192	98
K4209	<1	156	31	236	112
K4210	<1	221	29	193	177
K4211	<1	293	32	242	142
K4212	<1	39	11	161	37
K4213	<1	16	5	113	60
K4214	3	187	28	398	151

SGS

Work Order: 078109 **Date:** 06/08/04 **FINAL**

Element.	W	Y	Yb	Zn	Zr
Method.	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units.	ppb	ppb	ppb	ppb	ppb
K4215	<1	20	3	225	111
K4216	<1	19	3	495	148
K4217	<1	22	3	236	83
K4218	<1	9	3	96	49
K4219	<1	10	3	98	35
K4220	<1	6	2	57	42
K4221	<1	25	5	299	49
K4222	<1	13	2	141	40
K4223	<1	9	4	55	30
K4224	<1	15	4	46	35
K4225	<1	6	3	86	35
K4226	<1	8	4	144	15
K4227	2	213	14	328	66
K4228	<1	37	8	2224	30
K4229	1	732	92	1092	141
K4230	<1	809	54	993	76
K4231	<1	343	20	3243	109
K4232	1	1234	188	625	67
K4233	<1	5	3	50	39
K4234	<1	495	72	2213	73
*Dup K4114	<1	112	10	1036	69
*Dup K4126	<1	242	21	383	50
*Dup K4139	<1	134	8	430	112
*Dup K4193	<1	<5	<1	169	60
*Dup K4205	<1	108	20	318	94
*Dup K4217	<1	30	4	214	93
*Dup K4229	<1	681	61	706	82
*Blk BLANK	<1	<5	<1	<20	<5
*Std MMISRM14	<1	13	<1	478	16

CERTIFICATE OF ANALYSIS

Work Order: 078110

To: **KSL Exploration Limited**
Attn: R G Adamson
Level 10
80 Arthur Street
NORTH SYDNEY
NSW/AUSTRALIA/2060

Date : 15/07/04

Copy 1 to :

P.O. No. :
Project No. : KLONDIKE
No. of Samples : 47 Soil (MMI)
Date Submitted : 21/06/04
Report Comprises : Cover Sheet plus
Pages 1 to 2

Distribution of unused material:
Pulps: STORE
Rejects: STORE

Certified By : Jerrette Turner
For: Tim Elliott, Operations Manager

ISO 9002 REGISTERED

ISO 17025 Accredited for Specific Tests. SCC No. 456

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

SGS

Work Order: 078110 **Date:** 15/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
LH4110	<0.1	19	36	<0.1	2.71
LH4111	<0.1	7	114	<0.1	9.91
LH4112	<0.1	4	4	<0.1	3.25
LH4113	<0.1	11	15	<0.1	1.05
K4144	0.12	4	9	<0.1	2.21
K4145	<0.1	<1	14	<0.1	1.85
K4146	<0.1	9	15	<0.1	1.87
K4147	<0.1	13	33	<0.1	2.11
K4148	<0.1	11	9	<0.1	1.55
K4149	<0.1	12	30	<0.1	1.70
K4150	<0.1	3	9	<0.1	1.55
K4151	<0.1	15	40	<0.1	21.2
K4152	<0.1	5	10	<0.1	46.8
K4153	<0.1	9	16	<0.1	12.4
K4154	0.20	2	155	0.15	23.2
K4155	0.25	3	124	0.17	35.8
K4156	0.15	3	78	0.17	30.2
K4157	<0.1	3	216	0.14	26.0
K4158	0.17	3	175	0.12	13.9
K4159	0.11	<1	22	<0.1	5.70
K4160	<0.1	2	105	0.11	7.11
K4161	1.60	2	51	<0.1	15.9
K4162	<0.1	4	10	<0.1	1.39
K4163	<0.1	2	108	0.12	7.93
K4164	0.12	10	17	<0.1	0.97
K4165	<0.1	8	10	0.20	0.34
K4166	<0.1	10	14	<0.1	2.53
K4167	<0.1	9	9	<0.1	2.28
K4168	<0.1	12	10	0.15	2.94
K4169	<0.1	26	39	<0.1	1.89

SGS

Work Order: 078110 **Date:** 15/07/04 **FINAL**

Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
K4170	<0.1	3	8	<0.1	3.91
K4171	<0.1	2	14	<0.1	4.52
K4172	<0.1	28	47	<0.1	10.2
K4173	<0.1	14	12	<0.1	5.32
K4174	<0.1	6	10	<0.1	3.08
K4175	<0.1	10	18	<0.1	5.65
K4176	<0.1	31	43	0.14	70.9
K4177	<0.1	16	17	<0.1	11.5
K4178	<0.1	36	54	<0.1	2.69
K4179	<0.1	7	12	<0.1	1.41
K4180	<0.1	17	15	<0.1	2.57
K4181	<0.1	10	10	<0.1	3.23
K4182	<0.1	13	11	<0.1	0.82
K4183	<0.1	7	7	<0.1	0.60
K4184	<0.1	31	14	<0.1	6.09
K4185	<0.1	3	9	<0.1	3.46
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	45.4	34	152	28.5	20.9
K4186	<0.1	21	11	<0.1	5.04
*Dup LH4110	<0.1	20	41	<0.1	3.07
*Dup K4152	<0.1	5	10	<0.1	47.8
*Dup K4164	<0.1	9	16	<0.1	1.16
*Dup K4176	<0.1	29	38	0.16	61.0
*Blk BLANK	<0.1	<1	<3	<0.1	<0.1
*Std MMISRM14	40.1	31	146	26.7	18.8

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
This copy reported on 1-FEB-2005
Account: KSLEXP

CERTIFICATE VA04053363

Project: Klondike

P.O. No.:

This report is for 59 Soil samples submitted to our lab in Vancouver, BC, Canada on 10-AUG-2004.

The following have access to data associated with this certificate:

R ADAMSON PETER LUDWIDG	ROBERT ADAMSON	R ADAMSON

SAMPLE PREPARATION

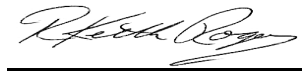
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-42	Screen to -180 um, discard plu

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **KSL EXPLORATION (YUKON) LTD**
ATTN: R ADAMSON
LEVEL 10, 80 ARTHUR ST
NORTH SYDNEY NSW 2060
AUSTRALIA

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

Signature: 

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
K4538		0.26	0.004	<0.2	1.30	20	<10	120	<0.5	2	0.10	<0.5	4	16	10	1.77
K4539		0.26	0.004	0.2	1.28	10	<10	210	<0.5	<2	0.06	<0.5	3	14	8	1.87
K4540		0.28	0.002	<0.2	1.33	15	<10	220	<0.5	2	0.08	<0.5	6	17	13	1.84
K4541		0.26	0.001	<0.2	1.51	20	<10	200	<0.5	3	0.06	<0.5	5	16	15	1.92
K4542		0.30	0.007	0.5	1.88	26	<10	330	<0.5	<2	0.09	<0.5	6	22	14	2.35
K4543		0.30	<0.001	<0.2	0.95	12	<10	170	<0.5	<2	0.05	<0.5	3	11	6	1.34
K4544		0.28	0.008	0.2	0.90	21	<10	300	<0.5	<2	0.08	<0.5	3	12	8	1.17
K4545		0.28	0.002	0.3	1.32	22	<10	320	<0.5	<2	0.06	<0.5	4	18	7	2.07
K4546		0.26	<0.001	0.3	0.63	8	<10	300	<0.5	<2	0.06	<0.5	1	8	4	0.99
K4547		0.30	0.001	0.4	0.89	10	<10	260	<0.5	3	0.04	<0.5	3	12	8	1.30
K4548		0.28	0.001	<0.2	0.98	5	<10	130	<0.5	<2	0.03	<0.5	2	10	7	1.27
K4549		0.24	0.001	<0.2	1.38	11	<10	170	<0.5	<2	0.06	<0.5	4	18	10	1.86
K4550		0.30	0.001	0.3	1.76	16	<10	210	<0.5	<2	0.09	<0.5	7	24	12	2.69
K4551		0.28	<0.001	<0.2	0.88	6	<10	130	<0.5	2	0.06	<0.5	2	7	5	1.08
K4552		0.28	0.002	<0.2	1.38	9	<10	210	<0.5	<2	0.06	<0.5	4	18	8	1.88
K4553		0.30	<0.001	0.2	0.75	2	<10	120	<0.5	<2	0.03	<0.5	2	7	5	1.19
K4554		0.28	<0.001	<0.2	0.93	5	<10	160	<0.5	<2	0.05	<0.5	3	11	7	1.42
K4555		0.34	NSS	<0.2	0.85	7	<10	140	<0.5	2	0.07	<0.5	3	12	8	1.34
K4556		0.30	<0.001	<0.2	1.25	9	<10	210	<0.5	<2	0.10	<0.5	4	18	13	2.05
K4557		0.28	0.001	<0.2	1.10	8	<10	300	<0.5	2	0.26	<0.5	6	20	16	1.90
K4558		0.28	<0.001	<0.2	1.08	3	<10	260	<0.5	2	0.19	<0.5	3	16	12	1.71
K4559		0.40	0.002	<0.2	1.35	8	<10	250	<0.5	<2	0.18	<0.5	5	21	12	2.08
K4560		0.52	0.001	<0.2	0.86	6	<10	160	<0.5	<2	0.15	<0.5	4	14	7	1.52
K4561		0.36	0.004	<0.2	1.07	14	<10	170	<0.5	<2	0.16	<0.5	4	15	8	1.75
K4562		0.24	<0.001	<0.2	1.36	15	<10	220	<0.5	2	0.07	<0.5	4	17	12	1.74
K4563		0.28	0.003	0.2	1.78	11	<10	210	<0.5	<2	0.09	<0.5	6	24	11	2.58
K4564		0.48	0.006	<0.2	0.88	4	<10	140	<0.5	3	0.14	<0.5	5	14	7	1.54
K4586		0.28	0.008	<0.2	1.14	83	<10	230	<0.5	<2	0.46	<0.5	6	19	16	2.14
K4587		0.32	0.009	<0.2	0.75	61	<10	170	<0.5	2	0.14	<0.5	2	5	12	1.32
K4588		0.30	0.009	<0.2	0.48	42	<10	70	<0.5	2	0.04	<0.5	2	4	6	0.94
K4589		0.32	<0.001	<0.2	0.61	6	<10	100	<0.5	2	0.09	<0.5	1	5	6	0.97
K4590		0.34	0.001	<0.2	1.13	4	<10	160	<0.5	<2	0.20	<0.5	4	12	12	1.53
K4591		0.32	<0.001	<0.2	0.83	5	<10	180	<0.5	2	0.14	<0.5	4	5	9	1.54
K4592		Not Recvd														
K4593		0.36	0.002	<0.2	1.05	2	<10	110	<0.5	<2	0.10	<0.5	2	6	7	1.28
K4594		Not Recvd														
K4595		0.24	0.001	<0.2	0.77	6	<10	110	<0.5	<2	0.12	<0.5	2	7	6	1.10
K4596		0.32	0.001	0.2	0.77	5	<10	90	<0.5	2	0.09	<0.5	2	9	5	1.06
K4597		0.32	0.001	<0.2	0.90	6	<10	160	<0.5	<2	0.14	<0.5	3	11	6	1.14
K4598		0.22	<0.001	0.2	1.06	6	<10	240	<0.5	<2	0.18	<0.5	3	11	6	1.30

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
K4538		<10	<1	0.03	20	0.60	140	<1	<0.01	13	120	16	0.01	<2	2	13
K4539		<10	1	0.05	30	0.33	104	<1	<0.01	5	270	13	0.01	<2	1	9
K4540		<10	<1	0.06	40	0.45	159	<1	<0.01	12	170	16	0.01	<2	3	11
K4541		<10	<1	0.07	30	0.35	132	<1	<0.01	10	160	17	0.01	2	3	9
K4542		<10	<1	0.07	30	0.39	287	<1	<0.01	13	200	14	0.01	2	3	11
K4543		<10	<1	0.06	20	0.31	101	<1	<0.01	6	140	10	0.01	<2	2	7
K4544		<10	<1	0.09	30	0.31	101	<1	<0.01	7	270	15	0.01	<2	1	11
K4545		<10	<1	0.07	20	0.33	136	<1	<0.01	10	210	15	0.01	<2	2	8
K4546		<10	<1	0.07	20	0.12	78	<1	<0.01	2	150	7	0.01	<2	1	8
K4547		<10	<1	0.06	30	0.26	80	<1	<0.01	8	90	15	0.01	<2	1	7
K4548		<10	<1	0.06	40	0.19	61	<1	<0.01	5	100	22	0.01	<2	2	7
K4549		<10	<1	0.06	20	0.26	114	<1	<0.01	11	90	24	<0.01	<2	2	7
K4550		10	2	0.07	20	0.39	231	<1	<0.01	15	200	18	0.01	<2	3	10
K4551		<10	1	0.07	10	0.16	42	<1	<0.01	4	60	15	0.01	<2	1	11
K4552		<10	<1	0.07	20	0.28	124	<1	<0.01	8	110	14	0.01	<2	2	8
K4553		<10	1	0.08	10	0.18	73	<1	0.01	5	70	10	0.01	<2	2	5
K4554		<10	<1	0.09	20	0.22	100	<1	0.01	6	100	14	0.01	<2	2	8
K4555		<10	<1	0.09	30	0.26	87	<1	0.01	6	80	12	0.01	<2	2	9
K4556		<10	<1	0.08	20	0.31	122	<1	0.02	12	140	12	0.01	<2	2	12
K4557		<10	<1	0.06	20	0.37	214	<1	0.02	14	310	7	0.01	<2	3	20
K4558		<10	1	0.05	20	0.33	128	<1	0.02	11	260	9	0.02	<2	3	17
K4559		<10	1	0.05	10	0.39	142	<1	0.02	14	270	8	0.01	<2	3	16
K4560		<10	2	0.05	20	0.27	212	<1	0.02	10	310	13	0.01	<2	2	12
K4561		<10	<1	0.07	20	0.30	120	<1	0.02	10	340	10	0.01	<2	2	13
K4562		<10	<1	0.07	30	0.39	135	<1	0.02	10	240	14	0.02	<2	2	10
K4563		<10	<1	0.07	20	0.39	204	<1	0.02	14	180	20	0.01	<2	3	10
K4564		<10	<1	0.05	20	0.27	161	<1	0.02	9	280	10	0.01	<2	2	12
K4586		<10	<1	0.10	30	0.61	258	<1	0.03	17	670	11	0.02	<2	3	29
K4587		<10	<1	0.10	70	0.17	40	<1	0.01	4	360	23	0.02	<2	3	17
K4588		<10	<1	0.07	30	0.10	34	<1	0.01	3	170	15	0.01	<2	2	7
K4589		<10	<1	0.08	40	0.23	59	<1	0.01	5	310	12	0.01	<2	2	9
K4590		<10	<1	0.09	40	0.59	99	<1	0.02	7	610	13	0.02	<2	3	17
K4591		<10	<1	0.09	50	0.41	166	<1	0.02	6	540	17	0.01	<2	3	17
K4592																
K4593		<10	<1	0.07	50	0.59	99	<1	0.01	3	270	19	0.02	<2	2	11
K4594																
K4595		<10	1	0.06	40	0.25	49	<1	0.02	5	240	13	0.02	<2	2	14
K4596		<10	<1	0.05	20	0.18	67	<1	0.02	5	200	11	0.02	<2	1	11
K4597		<10	<1	0.05	20	0.25	91	<1	0.02	6	240	14	0.02	<2	2	15
K4598		<10	<1	0.05	20	0.32	76	<1	0.02	8	260	13	0.02	<2	2	20

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K4538		0.03	<10	<10	28	<10	40
K4539		0.03	<10	<10	39	<10	35
K4540		0.03	<10	<10	31	<10	37
K4541		0.02	<10	<10	28	<10	37
K4542		0.03	<10	<10	41	<10	42
K4543		0.03	<10	<10	21	<10	28
K4544		0.03	<10	<10	19	<10	25
K4545		0.05	<10	<10	42	<10	32
K4546		0.04	<10	<10	28	<10	14
K4547		0.03	<10	<10	21	<10	26
K4548		0.02	<10	<10	18	<10	23
K4549		0.04	<10	<10	34	<10	29
K4550		0.06	<10	<10	52	<10	43
K4551		0.05	<10	<10	16	<10	18
K4552		0.05	<10	<10	39	<10	29
K4553		0.02	<10	<10	16	<10	22
K4554		0.03	<10	<10	25	<10	24
K4555		0.04	<10	<10	22	<10	28
K4556		0.05	<10	<10	37	<10	33
K4557		0.05	<10	<10	36	<10	36
K4558		0.04	<10	<10	29	<10	35
K4559		0.05	<10	<10	41	<10	39
K4560		0.04	<10	<10	27	<10	28
K4561		0.04	<10	<10	34	<10	31
K4562		0.03	<10	<10	35	<10	31
K4563		0.05	<10	<10	49	<10	41
K4564		0.04	<10	<10	27	<10	27
K4586		0.06	<10	<10	34	<10	62
K4587		0.01	<10	<10	8	<10	39
K4588		0.01	<10	<10	9	<10	24
K4589		0.01	<10	<10	9	<10	32
K4590		0.03	<10	<10	16	<10	55
K4591		<0.01	<10	<10	11	<10	45
K4592							
K4593		0.01	<10	<10	12	<10	52
K4594							
K4595		0.03	<10	<10	18	<10	29
K4596		0.02	<10	<10	17	<10	22
K4597		0.03	<10	<10	20	<10	27
K4598		0.02	<10	<10	22	<10	31

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
K4599		0.30	0.006	<0.2	0.90	10	<10	170	<0.5	3	0.14	<0.5	2	10	6	1.48
K4600		0.28	0.006	<0.2	0.84	5	<10	110	<0.5	<2	0.14	<0.5	3	9	3	1.10
K4601		Not Recvd														
K4602		0.22	<0.001	<0.2	0.89	6	<10	190	<0.5	2	0.22	<0.5	2	9	4	1.14
K4603		0.32	0.001	0.3	1.10	6	<10	360	<0.5	<2	0.28	<0.5	3	11	7	1.21
K4604		0.32	<0.001	<0.2	0.91	2	<10	160	<0.5	2	0.12	<0.5	2	10	7	1.16
K4605		Not Recvd														
K4606		0.38	<0.001	<0.2	0.73	6	<10	120	<0.5	2	0.13	<0.5	3	10	6	1.14
K4607		0.30	<0.001	<0.2	1.22	6	<10	150	<0.5	2	0.12	<0.5	4	16	10	1.68
K4608		0.40	<0.001	<0.2	0.95	7	<10	150	<0.5	2	0.14	<0.5	4	15	10	1.50
K4609		0.44	0.001	<0.2	1.10	8	<10	150	<0.5	<2	0.13	<0.5	3	15	11	1.55
K4610		0.28	<0.001	0.3	0.79	3	<10	180	<0.5	2	0.12	<0.5	2	8	11	0.87
K4611		0.22	<0.001	<0.2	0.88	3	<10	150	<0.5	2	0.10	<0.5	1	13	7	1.04
K4612		0.32	0.014	<0.2	1.42	6	<10	140	<0.5	2	0.12	<0.5	6	21	11	2.10
K4613		0.42	0.003	<0.2	1.40	10	<10	150	<0.5	2	0.09	<0.5	4	19	8	2.06
K4614		0.38	0.003	<0.2	1.22	3	<10	120	<0.5	<2	0.10	<0.5	5	17	11	1.76
K4615		0.30	0.001	<0.2	1.01	3	<10	170	<0.5	<2	0.20	<0.5	4	10	8	1.38
K4616		0.32	0.001	<0.2	0.83	<2	<10	120	<0.5	<2	0.13	<0.5	3	7	4	1.11
K4617		0.24	<0.001	0.2	0.79	<2	<10	170	<0.5	<2	0.11	<0.5	2	9	9	0.90

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
K4599		<10	1	0.06	30	0.32	69	<1	0.02	7	330	17	0.02	<2	2	15
K4600		<10	<1	0.06	20	0.35	90	<1	0.02	6	220	8	0.02	<2	2	15
K4601																
K4602		<10	<1	0.04	10	0.44	74	<1	0.02	6	340	4	0.02	<2	2	21
K4603		<10	2	0.04	20	0.41	77	<1	0.02	8	410	12	0.03	<2	2	30
K4604		<10	<1	0.05	10	0.37	92	<1	0.01	7	300	10	0.02	<2	1	15
K4605																
K4606		<10	1	0.05	20	0.26	84	<1	0.02	5	350	8	0.01	<2	1	12
K4607		<10	<1	0.06	20	0.30	108	<1	0.02	10	270	14	0.02	<2	2	12
K4608		<10	<1	0.05	20	0.31	120	<1	0.02	11	280	8	0.01	<2	2	12
K4609		<10	<1	0.06	20	0.31	98	<1	0.02	10	280	15	0.02	<2	2	14
K4610		<10	1	0.07	20	0.17	85	<1	0.02	4	350	12	0.02	<2	<1	15
K4611		<10	<1	0.06	10	0.17	53	<1	0.02	4	330	12	0.02	<2	<1	13
K4612		<10	<1	0.06	10	0.36	177	<1	0.02	13	280	13	0.02	<2	2	13
K4613		<10	<1	0.06	10	0.35	128	<1	0.02	12	140	15	0.02	<2	2	12
K4614		<10	<1	0.06	30	0.35	112	1	0.01	11	180	21	0.01	<2	2	10
K4615		<10	<1	0.08	40	0.51	134	<1	0.01	5	600	14	0.01	<2	3	17
K4616		<10	<1	0.05	30	0.40	127	<1	0.01	4	220	11	0.01	<2	2	14
K4617		<10	<1	0.06	20	0.18	73	1	0.01	4	320	14	0.01	<2	1	13

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 20-AUG-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04053363

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K4599		0.03	<10	<10	24	<10	31
K4600		0.03	<10	<10	23	<10	30
K4601							
K4602		0.02	<10	<10	18	<10	33
K4603		0.02	<10	<10	17	<10	33
K4604		0.02	<10	<10	19	<10	33
K4605							
K4606		0.03	<10	<10	19	<10	26
K4607		0.05	<10	<10	32	<10	33
K4608		0.05	<10	<10	28	<10	33
K4609		0.04	<10	<10	29	<10	30
K4610		0.02	<10	<10	17	<10	17
K4611		0.02	<10	<10	23	<10	18
K4612		0.05	<10	<10	40	<10	36
K4613		0.05	<10	<10	40	<10	33
K4614		0.05	<10	<10	30	<10	33
K4615		0.02	<10	<10	13	<10	47
K4616		0.02	<10	<10	18	<10	35
K4617		0.02	<10	<10	17	<10	18

Comments: NSS is non-sufficient sample.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

CERTIFICATE VA04046528

Project: Klondike

P.O. No.:

This report is for 72 Soil samples submitted to our lab in Vancouver, BC, Canada on 20-JUL-2004.

The following have access to data associated with this certificate:

ROBERT ADAMSON	PETER LUDWIDG	

SAMPLE PREPARATION

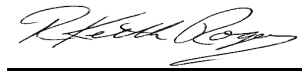
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-42	Screen to -180 um, discard plu

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **KSL EXPLORATION (YUKON) LTD**
ATTN: ROBERT ADAMSON
PO BOX 959
DAWSON CITY YT Y0B 1G0

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

Signature: 

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K4424		0.30	0.003	<0.2	2.07	49	<10	180	<0.5	<2	0.07	<0.5	8	28	12	3.19
K4425		0.30	0.001	<0.2	1.98	31	<10	180	<0.5	<2	0.07	<0.5	6	22	9	2.99
K4426		0.30	0.001	<0.2	1.75	75	<10	170	<0.5	<2	0.06	<0.5	5	20	12	2.43
K4427		0.32	0.004	0.3	1.98	72	<10	180	<0.5	<2	0.07	<0.5	7	25	13	3.02
K4428		0.34	0.006	<0.2	1.28	250	<10	160	<0.5	<2	0.06	<0.5	4	13	9	1.98
K4429		0.36	0.015	<0.2	1.02	89	<10	110	<0.5	<2	0.03	<0.5	2	10	7	1.72
K4430		0.36	0.004	<0.2	1.24	90	<10	140	<0.5	<2	0.05	<0.5	4	14	23	1.73
K4431		0.44	0.006	<0.2	1.20	105	<10	180	<0.5	<2	0.06	<0.5	4	14	13	1.73
K4432		0.30	0.003	<0.2	1.03	85	<10	150	<0.5	<2	0.05	<0.5	3	12	9	1.56
K4433		0.32	0.001	<0.2	1.26	79	<10	200	<0.5	<2	0.09	<0.5	4	15	13	1.76
K4434		0.28	<0.001	<0.2	0.98	84	<10	140	<0.5	<2	0.06	<0.5	3	10	8	1.43
K4435		0.40	0.002	<0.2	1.04	55	<10	170	<0.5	<2	0.06	<0.5	5	13	11	1.62
K4436		0.44	0.002	<0.2	1.09	42	<10	160	<0.5	<2	0.06	<0.5	4	13	10	1.61
K4437		0.34	<0.001	<0.2	1.12	50	<10	170	<0.5	<2	0.06	<0.5	4	13	10	1.67
K4438		0.38	0.002	<0.2	1.06	48	<10	140	<0.5	<2	0.08	<0.5	4	13	9	1.64
K4439		0.40	0.007	<0.2	0.97	30	<10	250	<0.5	<2	0.19	<0.5	6	15	14	1.64
K4440		0.26	0.002	<0.2	1.09	38	<10	160	<0.5	<2	0.16	<0.5	5	14	14	1.70
K4441		0.36	0.001	<0.2	1.37	35	<10	240	<0.5	<2	0.19	<0.5	5	18	10	1.95
K4442		0.36	0.005	<0.2	1.04	20	<10	290	<0.5	<2	0.26	<0.5	5	16	13	1.66
K4443		0.34	<0.001	<0.2	1.10	14	<10	270	<0.5	<2	0.23	<0.5	5	15	10	1.54
K4444		0.30	0.018	<0.2	1.13	13	<10	290	<0.5	<2	0.34	<0.5	5	19	11	1.71
K4445		Not Recvd														
K4446		0.30	0.002	<0.2	1.12	9	<10	250	<0.5	2	0.57	<0.5	7	20	11	1.90
K4447		0.36	0.001	<0.2	1.61	20	<10	440	0.5	<2	0.38	<0.5	9	26	18	2.74
K4448		0.32	0.001	<0.2	1.16	14	<10	290	<0.5	2	0.31	<0.5	5	18	12	1.84
K4449		0.36	0.002	<0.2	0.88	11	<10	260	<0.5	2	0.41	<0.5	6	18	10	1.66
K4450		0.22	0.001	<0.2	1.18	14	<10	360	<0.5	3	0.45	<0.5	8	20	15	2.05
K4451		0.28	0.017	<0.2	1.26	87	<10	160	<0.5	<2	0.05	<0.5	5	17	9	1.84
K4452		0.24	0.005	<0.2	1.12	38	<10	180	<0.5	<2	0.16	<0.5	4	16	11	1.74
K4453		0.28	0.001	<0.2	1.03	13	<10	320	<0.5	<2	0.40	<0.5	7	18	13	1.80
K4454		0.20	0.001	<0.2	1.62	8	<10	200	<0.5	<2	0.12	<0.5	7	19	10	2.61
K4455		0.38	<0.001	<0.2	1.54	10	<10	260	0.5	<2	0.09	<0.5	5	20	10	2.82
K4456		0.34	<0.001	<0.2	1.24	9	<10	180	<0.5	2	0.05	<0.5	4	13	7	2.73
K4457		0.30	<0.001	0.2	1.19	6	<10	230	<0.5	<2	0.06	<0.5	4	13	7	1.92
K4458		0.36	<0.001	<0.2	0.46	2	<10	120	<0.5	<2	0.01	<0.5	2	3	3	0.86
K4459		0.36	<0.001	<0.2	0.73	4	<10	150	<0.5	<2	0.06	<0.5	3	9	5	1.22
K4460		0.34	<0.001	<0.2	0.83	3	<10	110	<0.5	2	0.05	<0.5	3	9	3	1.19
K4461		0.38	0.001	0.4	1.42	9	<10	170	<0.5	2	0.06	<0.5	6	19	7	2.72
K4462		0.38	<0.001	0.2	0.87	4	<10	140	<0.5	2	0.04	<0.5	3	8	5	1.21
K4463		0.48	<0.001	0.3	1.61	9	<10	210	<0.5	<2	0.07	<0.5	5	21	9	2.41

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K4424		10	<1	0.04	10	0.46	282	2	<0.01	14	220	15	<0.01	<2	3	10
K4425		10	<1	0.06	20	0.64	175	1	<0.01	11	240	13	<0.01	<2	3	11
K4426		10	<1	0.05	20	0.40	157	1	<0.01	10	200	14	0.01	<2	2	8
K4427		10	<1	0.06	10	0.38	226	1	<0.01	15	230	18	0.01	<2	3	10
K4428		<10	<1	0.06	20	0.23	129	1	<0.01	7	150	19	<0.01	<2	2	9
K4429		<10	<1	0.06	20	0.20	99	1	<0.01	6	250	10	<0.01	2	2	6
K4430		<10	<1	0.05	20	0.28	138	<1	<0.01	8	110	22	<0.01	2	2	8
K4431		<10	<1	0.05	20	0.27	141	1	<0.01	9	130	17	<0.01	<2	2	10
K4432		<10	<1	0.05	20	0.23	121	<1	<0.01	7	150	12	0.01	<2	2	8
K4433		<10	<1	0.06	20	0.28	108	1	<0.01	9	180	15	<0.01	<2	2	12
K4434		<10	<1	0.05	20	0.24	103	<1	<0.01	6	110	12	<0.01	<2	2	9
K4435		<10	<1	0.05	20	0.26	153	1	<0.01	10	140	13	<0.01	<2	2	9
K4436		<10	<1	0.04	20	0.26	129	1	<0.01	8	120	13	<0.01	<2	2	8
K4437		10	<1	0.05	10	0.26	144	1	<0.01	9	180	13	<0.01	<2	2	9
K4438		<10	<1	0.05	10	0.27	113	1	<0.01	11	280	10	<0.01	<2	2	10
K4439		<10	<1	0.04	20	0.33	143	1	<0.01	12	360	10	<0.01	<2	3	17
K4440		<10	<1	0.05	20	0.30	129	1	<0.01	10	410	11	<0.01	<2	2	15
K4441		<10	<1	0.05	20	0.36	117	1	<0.01	11	420	10	<0.01	<2	2	17
K4442		<10	<1	0.04	20	0.36	163	<1	0.01	11	470	9	<0.01	<2	3	21
K4443		<10	<1	0.04	10	0.33	119	1	<0.01	12	510	7	0.01	<2	2	19
K4444		<10	<1	0.04	10	0.42	130	1	0.01	13	520	10	0.01	<2	3	24
K4445																
K4446		<10	1	0.04	10	0.41	213	1	0.01	14	670	7	0.03	<2	3	32
K4447		<10	<1	0.05	20	0.54	317	1	0.01	19	690	11	0.03	<2	3	26
K4448		<10	1	0.04	20	0.38	130	1	0.01	12	570	9	0.02	<2	3	22
K4449		<10	<1	0.04	10	0.36	297	1	0.01	12	730	6	0.01	<2	2	26
K4450		<10	1	0.04	10	0.44	293	1	0.01	17	670	7	0.02	2	3	31
K4451		<10	<1	0.05	20	0.28	154	<1	<0.01	8	110	13	0.01	<2	2	7
K4452		<10	<1	0.05	20	0.29	130	1	<0.01	10	420	9	0.01	<2	2	14
K4453		<10	1	0.04	10	0.38	293	1	0.01	14	640	7	0.02	<2	2	27
K4454		10	1	0.07	10	0.46	147	<1	<0.01	12	240	14	0.01	<2	3	14
K4455		10	<1	0.09	20	0.31	168	1	<0.01	11	330	20	0.01	<2	3	10
K4456		<10	<1	0.09	10	0.22	145	1	<0.01	7	330	13	0.01	<2	3	6
K4457		<10	<1	0.08	10	0.18	123	1	<0.01	6	190	18	0.01	<2	2	6
K4458		<10	1	0.06	10	0.05	27	<1	<0.01	1	140	9	0.01	<2	1	3
K4459		<10	1	0.07	10	0.15	83	<1	<0.01	5	70	13	0.01	2	1	7
K4460		<10	1	0.05	10	0.14	82	<1	<0.01	2	80	12	<0.01	<2	1	7
K4461		10	1	0.08	10	0.33	254	1	<0.01	8	380	21	0.01	<2	2	8
K4462		<10	1	0.06	20	0.14	67	<1	<0.01	3	90	13	0.01	<2	1	6
K4463		10	1	0.05	10	0.30	158	1	<0.01	10	160	21	0.01	<2	2	9

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K4424		0.06	<10	<10	58	<10	49
K4425		0.04	<10	<10	48	<10	48
K4426		0.04	<10	<10	45	<10	39
K4427		0.04	<10	<10	53	<10	46
K4428		0.02	<10	<10	32	<10	31
K4429		0.03	<10	<10	29	<10	28
K4430		0.03	<10	<10	30	<10	46
K4431		0.03	<10	<10	31	<10	31
K4432		0.03	<10	<10	29	<10	28
K4433		0.03	<10	<10	32	<10	30
K4434		0.03	<10	<10	23	<10	29
K4435		0.03	<10	<10	28	<10	31
K4436		0.04	<10	<10	29	<10	29
K4437		0.04	<10	<10	31	<10	33
K4438		0.04	<10	<10	30	<10	36
K4439		0.04	<10	<10	30	<10	41
K4440		0.04	<10	<10	29	<10	42
K4441		0.05	<10	<10	37	<10	45
K4442		0.04	<10	<10	32	<10	44
K4443		0.04	<10	<10	31	<10	37
K4444		0.05	<10	<10	38	<10	45
K4445							
K4446		0.04	<10	<10	38	<10	50
K4447		0.05	<10	<10	50	<10	62
K4448		0.04	<10	<10	36	<10	45
K4449		0.05	<10	<10	35	<10	43
K4450		0.05	<10	<10	40	<10	52
K4451		0.03	<10	<10	31	<10	32
K4452		0.04	<10	<10	30	<10	41
K4453		0.04	<10	<10	37	<10	48
K4454		0.04	<10	<10	46	<10	39
K4455		0.05	<10	<10	48	<10	38
K4456		0.02	<10	<10	33	<10	33
K4457		0.02	<10	<10	30	<10	29
K4458		0.01	<10	<10	13	<10	16
K4459		0.03	<10	<10	25	<10	21
K4460		0.03	<10	<10	27	<10	18
K4461		0.05	<10	<10	47	<10	49
K4462		0.02	<10	<10	24	<10	19
K4463		0.05	<10	<10	47	<10	34

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K4464		0.40	<0.001	0.2	1.02	4	<10	170	<0.5	2	0.04	<0.5	3	9	11	1.26
K4465		0.34	<0.001	<0.2	1.60	9	<10	230	<0.5	3	0.08	<0.5	5	21	9	2.61
K4466		0.34	<0.001	<0.2	1.32	4	<10	300	<0.5	<2	0.11	<0.5	4	17	8	1.89
K4467		0.30	0.001	<0.2	1.59	7	<10	290	<0.5	<2	0.08	<0.5	5	23	9	2.27
K4468		0.46	<0.001	<0.2	0.48	2	<10	120	<0.5	<2	0.02	<0.5	2	4	3	0.66
K4469		0.32	0.001	<0.2	2.42	11	<10	430	0.5	2	0.10	<0.5	10	34	16	3.06
K4470		0.40	<0.001	0.3	1.68	5	<10	360	<0.5	2	0.06	<0.5	6	22	13	2.07
K4471		0.40	0.004	0.3	1.02	4	<10	120	<0.5	<2	0.03	<0.5	3	8	18	1.24
K4472		0.36	0.003	0.3	1.84	7	<10	220	<0.5	2	0.08	<0.5	6	26	10	2.48
K4473		0.40	<0.001	<0.2	0.44	<2	<10	110	<0.5	<2	0.03	<0.5	2	3	3	0.54
K4474		0.34	<0.001	<0.2	2.07	7	<10	260	0.5	<2	0.09	<0.5	6	27	9	2.75
K4475		0.34	<0.001	<0.2	1.11	2	<10	110	<0.5	<2	0.04	<0.5	3	7	5	1.36
K4476		0.36	<0.001	<0.2	1.58	6	<10	290	<0.5	2	0.08	<0.5	6	22	17	2.59
K4477		0.50	<0.001	<0.2	1.20	4	<10	170	<0.5	2	0.09	<0.5	4	15	8	1.73
K4478		0.34	<0.001	<0.2	1.36	5	<10	160	<0.5	2	0.08	<0.5	5	20	6	2.74
K4479		0.36	<0.001	<0.2	0.60	<2	<10	120	<0.5	2	0.02	<0.5	2	6	4	0.70
K4480		0.36	<0.001	0.2	0.69	2	<10	200	<0.5	2	0.03	<0.5	2	4	4	0.99
K4481		0.36	<0.001	<0.2	1.21	3	<10	140	<0.5	<2	0.06	<0.5	4	17	7	1.78
K4482		0.52	<0.001	<0.2	0.77	<2	<10	110	<0.5	<2	0.05	<0.5	2	8	4	1.20
K4483		0.32	0.004	<0.2	0.99	<2	<10	190	<0.5	<2	0.03	<0.5	2	8	7	1.36
K4484		0.44	<0.001	<0.2	1.02	<2	<10	130	<0.5	<2	0.05	<0.5	2	14	5	1.58
K4485		0.36	<0.001	<0.2	1.58	2	<10	220	<0.5	<2	0.06	<0.5	3	17	7	1.79
K4486		0.40	0.002	<0.2	0.87	<2	<10	130	<0.5	<2	0.06	<0.5	1	9	5	0.96
K4487		0.42	<0.001	<0.2	0.79	<2	<10	90	<0.5	<2	0.03	<0.5	1	9	5	0.83
K4488		0.48	<0.001	<0.2	0.92	4	<10	130	<0.5	<2	0.06	<0.5	2	12	5	1.28
K4489		0.44	<0.001	<0.2	0.63	<2	<10	90	<0.5	<2	0.05	<0.5	2	10	6	0.94
K4490		0.40	<0.001	<0.2	0.84	<2	<10	110	<0.5	<2	0.05	<0.5	2	15	8	1.18
K4491		0.40	<0.001	<0.2	0.92	<2	<10	140	<0.5	<2	0.05	<0.5	2	10	8	1.34
K4492		0.40	<0.001	<0.2	0.93	2	<10	130	<0.5	<2	0.06	<0.5	2	11	4	1.32
K4493		0.42	0.001	0.2	1.91	3	<10	460	<0.5	<2	0.07	<0.5	6	26	16	2.26
K4494		0.38	<0.001	0.3	0.71	2	<10	250	<0.5	<2	0.03	<0.5	1	4	4	1.04
K4495		0.36	<0.001	<0.2	0.91	<2	<10	130	<0.5	<2	0.05	<0.5	3	16	9	1.29

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K4464		<10	<1	0.08	20	0.24	61	<1	<0.01	5	110	18	0.01	<2	2	7
K4465		10	<1	0.08	20	0.34	181	1	<0.01	10	370	19	0.01	<2	2	9
K4466		10	1	0.05	20	0.22	92	<1	<0.01	5	420	16	0.01	<2	2	12
K4467		10	1	0.06	20	0.35	148	1	<0.01	9	160	20	0.01	<2	2	10
K4468		<10	<1	0.08	20	0.10	33	<1	<0.01	2	100	10	0.01	<2	<1	4
K4469		<10	<1	0.04	10	0.41	240	1	<0.01	20	300	21	0.01	<2	3	12
K4470		<10	1	0.03	10	0.32	176	1	<0.01	13	130	31	0.01	<2	3	8
K4471		<10	<1	0.03	20	0.38	65	<1	<0.01	5	80	61	0.01	2	1	6
K4472		10	1	0.04	20	0.34	182	1	<0.01	11	150	23	0.01	<2	3	9
K4473		<10	<1	0.06	20	0.07	18	<1	<0.01	1	110	12	0.01	<2	1	4
K4474		10	1	0.03	10	0.36	154	1	<0.01	12	230	13	0.01	<2	3	10
K4475		<10	1	0.03	30	0.48	63	<1	<0.01	4	200	12	0.01	<2	1	6
K4476		<10	1	0.05	10	0.38	160	<1	<0.01	11	210	6	0.01	<2	4	9
K4477		<10	1	0.06	10	0.33	89	<1	<0.01	6	160	9	0.01	<2	2	9
K4478		10	<1	0.06	10	0.32	133	1	<0.01	8	250	12	0.01	<2	2	9
K4479		<10	<1	0.09	20	0.09	45	<1	<0.01	4	100	8	0.01	<2	1	4
K4480		<10	1	0.11	20	0.14	52	<1	<0.01	3	150	14	0.01	<2	1	5
K4481		<10	<1	0.06	10	0.33	96	1	<0.01	9	100	14	0.01	2	2	7
K4482		<10	<1	0.11	10	0.23	72	<1	<0.01	4	140	12	<0.01	2	1	6
K4483		<10	<1	0.08	20	0.34	68	<1	<0.01	5	170	14	<0.01	2	1	5
K4484		<10	<1	0.08	20	0.23	78	<1	<0.01	6	130	20	<0.01	<2	1	6
K4485		<10	<1	0.08	20	0.29	134	1	<0.01	7	120	20	<0.01	3	2	7
K4486		<10	1	0.09	40	0.45	59	<1	<0.01	2	100	18	<0.01	2	1	7
K4487		<10	1	0.05	20	0.14	51	1	<0.01	5	50	18	<0.01	2	1	4
K4488		<10	<1	0.06	20	0.20	82	1	<0.01	5	60	15	<0.01	2	1	7
K4489		<10	1	0.05	20	0.17	63	<1	<0.01	5	40	14	<0.01	2	1	6
K4490		<10	1	0.04	20	0.22	84	1	<0.01	7	80	19	<0.01	3	1	7
K4491		<10	<1	0.11	40	0.45	117	1	<0.01	5	110	19	<0.01	2	1	8
K4492		<10	<1	0.05	10	0.17	100	1	<0.01	5	80	13	<0.01	3	1	8
K4493		10	1	0.04	20	0.37	195	1	<0.01	16	130	39	<0.01	3	3	10
K4494		<10	1	0.11	20	0.14	48	<1	<0.01	2	140	14	<0.01	3	1	5
K4495		<10	<1	0.05	20	0.23	94	<1	<0.01	8	80	21	<0.01	2	2	7

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 31-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04046528

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K4464		0.02	<10	<10	18	<10	29
K4465		0.04	<10	<10	45	<10	40
K4466		0.04	<10	<10	43	<10	22
K4467		0.05	<10	<10	51	<10	34
K4468		0.01	<10	<10	9	<10	13
K4469		0.06	<10	<10	52	<10	51
K4470		0.05	<10	<10	43	<10	52
K4471		0.02	<10	<10	20	<10	61
K4472		0.06	<10	<10	55	<10	39
K4473		0.01	<10	<10	9	<10	12
K4474		0.07	<10	<10	62	<10	35
K4475		0.01	<10	<10	17	<10	33
K4476		0.02	<10	<10	34	<10	42
K4477		0.04	<10	<10	32	<10	30
K4478		0.06	<10	<10	50	<10	32
K4479		0.02	<10	<10	14	<10	12
K4480		0.01	<10	<10	9	<10	18
K4481		0.03	<10	<10	32	<10	32
K4482		0.03	<10	<10	18	<10	27
K4483		0.01	<10	<10	15	<10	28
K4484		0.03	<10	<10	32	<10	24
K4485		0.03	<10	<10	34	<10	33
K4486		0.03	<10	<10	14	<10	27
K4487		0.02	<10	<10	15	<10	13
K4488		0.03	<10	<10	29	<10	19
K4489		0.03	<10	<10	21	<10	17
K4490		0.04	<10	<10	26	<10	21
K4491		0.05	<10	<10	16	<10	43
K4492		0.03	<10	<10	30	<10	20
K4493		0.05	<10	<10	49	<10	57
K4494		0.01	<10	<10	10	<10	17
K4495		0.04	<10	<10	28	<10	23

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: **KSL EXPLORATION (YUKON) LTD**
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 26-JUL-2004
Account: KSLEXP

CERTIFICATE VA04044369

Project: Klondike

P.O. No.:

This report is for 10 Soil samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2004.

The following have access to data associated with this certificate:

R ADAMSON	PETER LUDWIDG	

SAMPLE PREPARATION

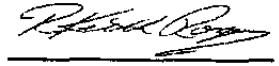
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-42	Screen to -180 um, discard plu

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **KSL EXPLORATION (YUKON) LTD**
ATTN: PETER LUDWIDG
LEVEL 10, 80 ARTHUR ST
NORTH SYDNEY NSW 2060 AUSTRALIA

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

Signature: 

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 26-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04044369

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
K4349		0.34	0.001	1.5	1.34	4	<10	100	<0.5	<2	0.06	<0.5	2	8	8	1.56
K4350		0.32	0.004	0.6	1.96	45	<10	160	<0.5	<2	0.27	<0.5	12	67	32	2.92
K4351		0.38	<0.001	0.3	2.50	22	<10	260	0.5	<2	0.27	<0.5	14	99	32	3.57
K4352		0.36	0.001	1.1	2.11	11	<10	370	1.0	<2	0.61	<0.5	9	53	41	3.29
K4353		0.40	<0.001	0.5	2.01	18	<10	200	0.7	<2	0.55	<0.5	15	50	35	3.63
K4354		0.42	<0.001	0.5	2.10	12	<10	240	0.6	<2	0.46	<0.5	9	61	29	3.02
K4355		0.50	<0.001	0.4	2.23	25	<10	260	0.6	<2	0.59	<0.5	14	51	31	3.57
K4356		0.34	<0.001	1.0	2.22	36	<10	240	0.6	<2	0.67	<0.5	19	51	36	3.61
K4357		0.24	<0.001	0.3	1.44	2	<10	160	<0.5	<2	0.52	<0.5	8	36	14	2.05
K4358		0.34	0.002	0.3	1.98	45	<10	170	<0.5	<2	0.29	<0.5	13	67	33	2.96

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 26-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04044369

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
K4349		10	<1	0.08	20	0.67	190	<1	<0.01	5	130	36	0.02	<2	2	5
K4350		10	<1	0.04	20	1.23	297	1	0.01	45	640	11	0.02	<2	5	17
K4351		10	<1	0.08	10	1.83	570	1	<0.01	48	680	13	0.03	<2	9	16
K4352		10	<1	0.12	40	1.66	589	2	<0.01	33	960	33	0.05	<2	5	27
K4353		10	<1	0.13	20	1.47	560	2	<0.01	40	1140	19	0.05	<2	4	25
K4354		10	<1	0.05	20	1.66	301	2	<0.01	38	830	21	0.04	<2	5	21
K4355		10	<1	0.05	20	1.52	534	2	0.01	39	1180	14	0.03	<2	6	28
K4356		10	<1	0.06	30	1.54	447	4	0.01	48	1140	26	0.03	<2	7	33
K4357		10	<1	0.06	10	0.85	212	1	0.01	19	630	18	0.04	<2	3	25
K4358		10	<1	0.04	20	1.23	303	1	<0.01	45	630	10	0.01	<2	5	18

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: KSL EXPLORATION (YUKON) LTD
PO BOX 959
DAWSON CITY YT Y0B 1G0

Finalized Date: 26-JUL-2004
Account: KSLEXP

Project: Klondike

CERTIFICATE OF ANALYSIS VA04044369

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
K4349		0.02	<10	<10	15	<10	72
K4350		0.05	<10	<10	61	<10	66
K4351		0.07	<10	<10	101	<10	72
K4352		0.05	<10	<10	44	<10	158
K4353		0.08	<10	<10	69	<10	110
K4354		0.07	<10	<10	54	<10	101
K4355		0.07	<10	<10	74	<10	98
K4356		0.06	<10	<10	79	<10	109
K4357		0.07	<10	<10	42	<10	75
K4358		0.05	<10	<10	61	<10	65

KSL Exploration (Yukon) Limited

Appendix 4

Expenditure Statement

FUR 1, BOBO 1 to 4:		C$	C$
Sampling, GPS, geology:			
P. Ledwidge	1 day @ $350/day	350	
Field assistant:	1 day @ $225/day	225	
Vehicle hire:	1 day @ $100 / day	100	
Analytical Costs:			
11 MMI-M5 assays	@ $33	363	
11 80# assays	@ $21.85	240	
Compilation, Planning, etc::			
1 hour	@ $200/hour	200	
Expenses (freight, consumables)::		25	
TOTAL:			1,503

MICE 1 to 9:		C$	C$
Sampling, GPS, geology:			
P. Ledwidge	2 days @ $350/day	700	
Field assistant:	2 days @ $225/day	450	
Vehicle hire:	2 days @ $100 /day	200	
Analytical Costs:			
19 MMI-B assays	@ $23	437	
12 MMI-M5 assays	@ $33	396	
7 80# assays	@ $21.85	153	
Compilation, Planning, etc:			
2 hour	@ $200/hour	400	
Expenses (freight, consumables):		50	
TOTAL:			2,786

WEDGE:		C$	C$
Sampling, GPS, geology:			
P. Ledwidge	15 days @ $350/day	5,250	
Field assistant:	15 days @ $225/day	3,375	
Vehicle hire:	15 days @ $100 / day	1,500	
Analytical Costs:			
58 MMI-M5 assays	@ $33	1,914	
150 MMI-B assays	@ $23	3,450	
136 80# assays	@ $21.85	2,972	
Compilation, Planning, etc::			
10 hours	@ $200/hour	2,000	
Expenses (freight, consumables)::		150	
TOTAL:			20,611

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 the Renewal of WEDGE, MICE, BOBO, and FUR Claim Groups, Bonanza Creek – Bear Creek Distict, Dawson Mining District. NTS Reference: 115 O/14. Geographic Co-ordinates (central): WEDGE Claims: 139° 07' W, 63° 55' N, MICE Claims: 139° 15' W, 63° 56' N, BOBO Claims: 139° 13' 30" W, 63° 58' N, FUR Claim: 139° 13' 30" W, 63° 59' N: Assessment Work: Geochemical soil surveys, geological data recording, GPS surveys (including surveys on adjacent KLONDIKE, ACT and GAP claims)*", dated February 2005.

My professional experience comprises some thirtyfive 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 (40 years membership) and of the Mining Industry Consultants Association (Australia) (10 years membership).
I was admitted to the status of Chartered Practising Geologist (AusIMM) in February 2000.

I am a director of KSL Exploration (Yukon) Limited and CEO of the parent company Klondike Source Limited.

MEMBER MINERAL INDUSTRY CONSULTANTS ASSOCIATION
R. G. ADAMSON
17.4.98
AUSTRALIA

January 31, 2005 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 the Renewal of WEDGE, MICE, BOBO, and FUR Claim Groups, Bonanza Creek – Bear Creek Distict, Dawson Mining District. NTS Reference: 115 O/14. Geographic Co-ordinates (central): WEDGE Claims: 139° 07' W, 63° 55' N, MICE Claims: 139° 15' W, 63° 56' N, BOBO Claims: 139° 13' 30" W, 63° 58' N, FUR Claim: 139° 13' 30" W, 63° 59' N: Assessment Work: Geochemical soil surveys, geological data recording, GPS surveys (including surveys on adjacent KLONDIKE, ACT and GAP claims)*", dated February 2005.

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 and a director of KSL Exploration (Yukon) Limited.

Signed

.....

C M Thomas

January 31, 2005